

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061980.D
 Acq On : 16 Mar 2019 17:30
 Operator : VA/AP
 Sample : VF0316SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 6:19:22 PM

Quant Time: Mar 22 03:35:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	249938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	397405	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	339965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	184847	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	89963	50.00	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	4.11	113	135652	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	7.56	98	352767	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
62) 4-Bromofluorobenzene	11.41	95	148572	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	55114	20.685	ug/l	92
3) Chloromethane	1.09	50	57389	21.195	ug/l	93
4) Vinyl Chloride	1.15	62	59577	22.750	ug/l	99
5) Bromomethane	1.32	94	36379	19.775	ug/l	95
6) Chloroethane	1.40	64	28166	20.835	ug/l	99
7) Trichlorofluoromethane	1.47	101	74453	21.460	ug/l	99
8) Diethyl Ether	1.63	74	16454	21.334	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.84	101	56263	23.018	ug/l	93
10) Methyl Iodide	1.91	142	94418m	22.064	ug/l	
11) Tert butyl alcohol	2.58	59	11512	104.567	ug/l	97
12) 1,1-Dichloroethene	1.80	96	47730	22.626	ug/l	99
13) Acrolein	2.00	56	12554	105.631	ug/l	91
14) Allyl chloride	2.09	41	59603	22.135	ug/l	99
15) Acrylonitrile	2.94	53	32891	98.246	ug/l	91
16) Acetone	2.24	43	46340	114.701	ug/l	95
17) Carbon Disulfide	1.82	76	139455m	22.870	ug/l	
18) Methyl Acetate	2.35	43	15565	17.001	ug/l	92
19) Methyl tert-butyl Ether	2.43	73	78736	20.599	ug/l	99
20) Methylene Chloride	2.18	84	49547m	23.505	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	50376	22.884	ug/l	95
22) Diisopropyl ether	2.80	45	142845	22.054	ug/l	96
23) Vinyl Acetate	3.19	43	290458	113.759	ug/l	99
24) 1,1-Dichloroethane	2.87	63	80728	21.436	ug/l	98
25) 2-Butanone	4.33	43	79506	99.367	ug/l	95
26) 2,2-Dichloropropane	3.60	77	36837	20.737	ug/l	87
27) cis-1,2-Dichloroethene	3.48	96	56694	20.433	ug/l	93
28) Bromochloromethane	3.72	49	32614	20.870	ug/l	86
29) Tetrahydrofuran	4.07	42	36439	104.719	ug/l	97
30) Chloroform	3.86	83	90818	21.283	ug/l	95
31) Cyclohexane	3.70	56	82348m	22.134	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	58089	20.498	ug/l	94
36) 1,1-Dichloropropene	4.28	75	72190	20.116	ug/l	93
37) Ethyl Acetate	4.11	43	30017	18.628	ug/l	94
38) Carbon Tetrachloride	3.99	117	51703	19.713	ug/l #	89

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	85122	20.204	ug/l	96
40) Benzene	4.64	78	188363	19.808	ug/l	96
41) Methacrylonitrile	4.75	41	18108	21.033	ug/l #	91
42) 1,2-Dichloroethane	4.94	62	48401	20.446	ug/l	97
43) Isopropyl Acetate	6.95	43	34282	17.981	ug/l #	87
44) Trichloroethene	5.50	130	60829	20.882	ug/l	96
45) 1,2-Dichloropropane	6.24	63	44807	19.910	ug/l	96
46) Dibromomethane	6.09	93	25700	19.197	ug/l	92
47) Bromodichloromethane	6.38	83	61605	19.519	ug/l #	93
48) Methyl methacrylate	6.72	41	19824	16.089	ug/l #	69
49) 1,4-Dioxane	6.72	88	3691	336.763	ug/l #	66
51) 4-Methyl-2-Pentanone	8.26	43	131717	97.291	ug/l	96
52) Toluene	7.62	92	111050	19.113	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	50592	18.987	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	66363	19.087	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	32333	19.939	ug/l	96
56) Ethyl methacrylate	8.62	69	35130	19.057	ug/l	96
57) 1,3-Dichloropropane	8.85	76	52504	19.410	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.29	63	33080	99.074	ug/l	94
59) 2-Hexanone	9.49	43	98648	100.683	ug/l	100
60) Dibromochloromethane	8.72	129	44129	19.602	ug/l	91
61) 1,2-Dibromoethane	8.99	107	34589	19.885	ug/l	89
64) Tetrachloroethene	8.15	164	50117	20.281	ug/l	91
65) Chlorobenzene	9.79	112	127605	20.160	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	53150	21.663	ug/l	95
67) Ethyl Benzene	9.90	91	220675	20.362	ug/l	98
68) m/p-Xylenes	10.13	106	169707	41.635	ug/l	91
69) o-Xylene	10.71	106	87596	20.084	ug/l	97
70) Styrene	10.79	104	122304	20.241	ug/l	98
71) Bromoform	10.77	173	26013	20.962	ug/l #	91
73) Isopropylbenzene	11.13	105	258365	20.232	ug/l	99
74) N-amyl acetate	11.37	43	60036	20.517	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	42853	20.330	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	27345	18.552	ug/l	93
77) Bromobenzene	11.49	156	59664	20.175	ug/l	91
78) n-propylbenzene	11.59	91	303476	20.667	ug/l	95
79) 2-Chlorotoluene	11.72	91	170129	20.526	ug/l	94
80) 1,3,5-Trimethylbenzene	11.83	105	199943	19.382	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	12436m	19.072	ug/l	
82) 4-Chlorotoluene	11.89	91	171312	20.439	ug/l	93
83) tert-Butylbenzene	12.13	119	218929	20.293	ug/l	100
84) 1,2,4-Trimethylbenzene	12.20	105	204070	19.750	ug/l	94
85) sec-Butylbenzene	12.31	105	294728	20.220	ug/l	99
86) p-Isopropyltoluene	12.46	119	255584	21.014	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	121736	20.944	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	115810	20.701	ug/l	97
89) n-Butylbenzene	12.84	91	237822	20.809	ug/l	96
90) Hexachloroethane	12.92	117	56575	20.383	ug/l	86
91) 1,2-Dichlorobenzene	12.94	146	111013	20.621	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	5746	16.987	ug/l	89

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Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 03:22:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	77864	20.770	µg/l	93
94) Hexachlorobutadiene	14.19	225	50768	20.399	µg/l	97
95) Naphthalene	14.46	128	128002	18.985	µg/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	69506	20.153	µg/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

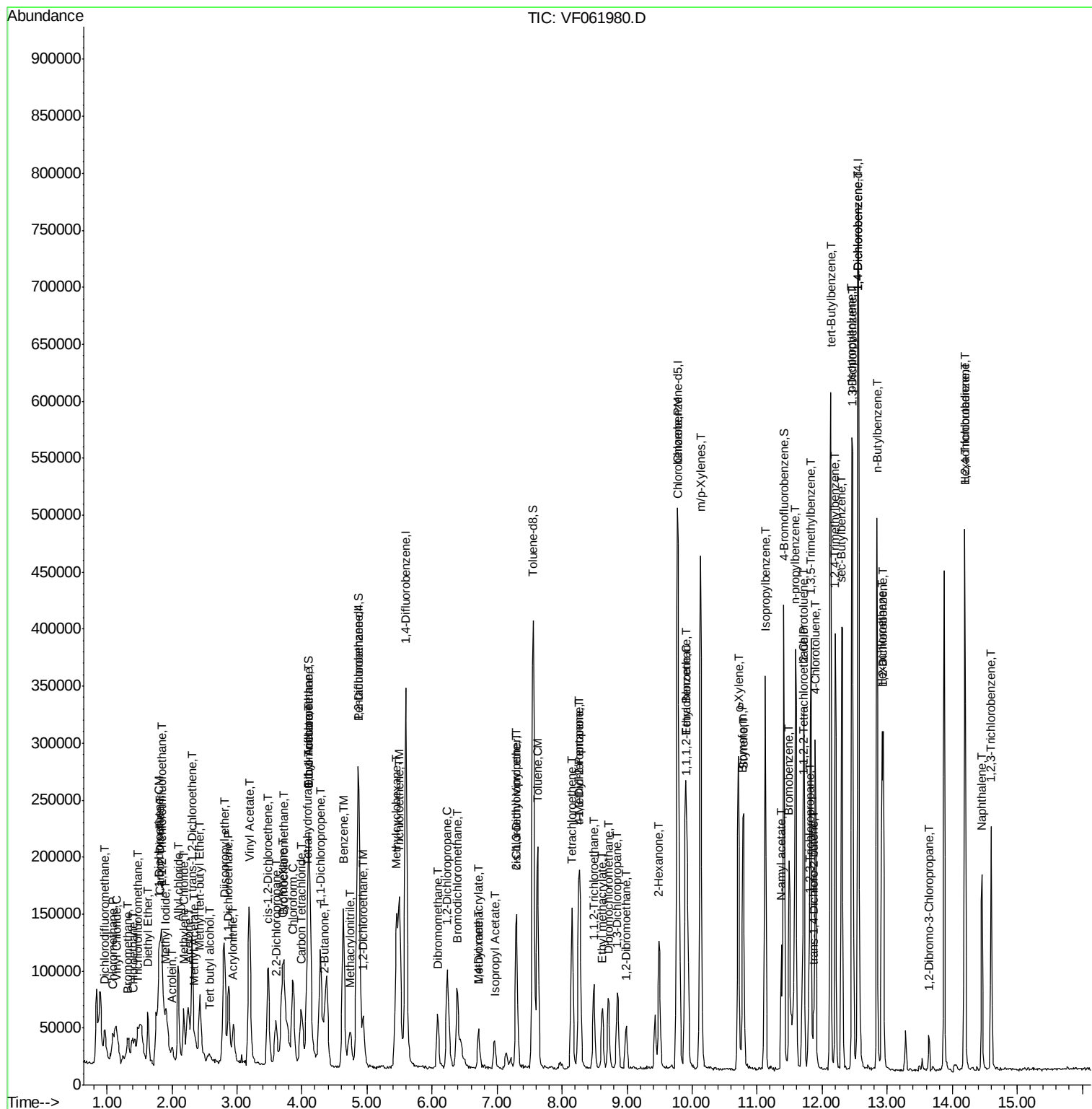
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031619\
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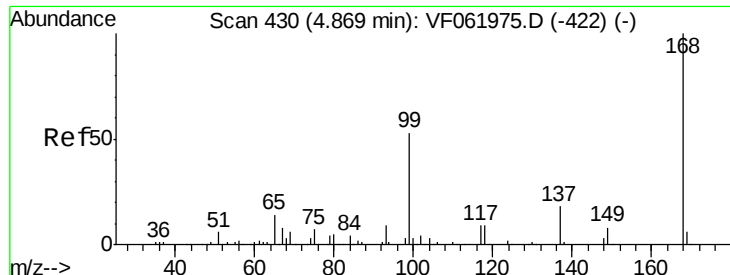
Instrument :
 MSVOA_F
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion:168 Resp: 249938

Ion Ratio Lower Upper

168 100

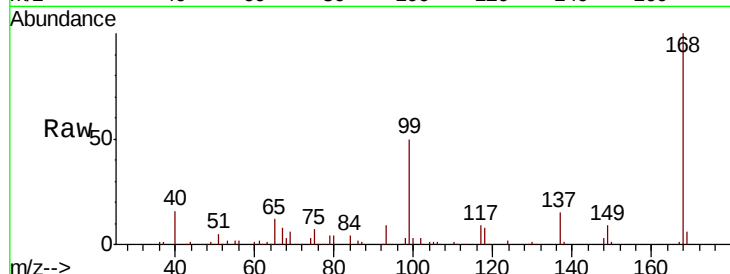
99 50.4 42.4 63.6

Manual Integrations

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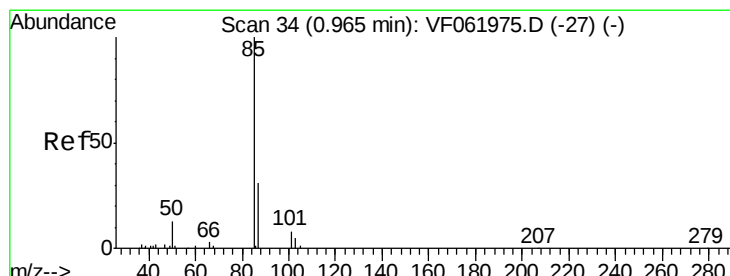
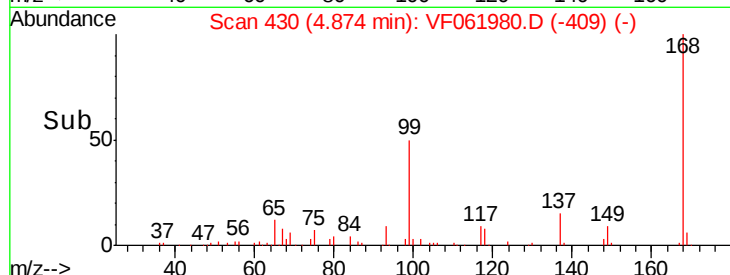
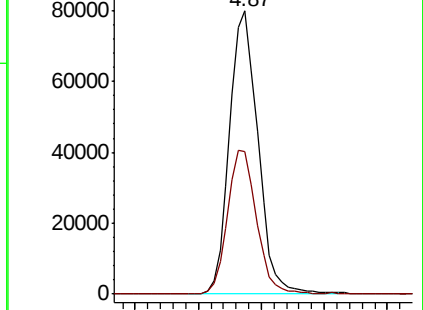
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 20.685 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061980.D

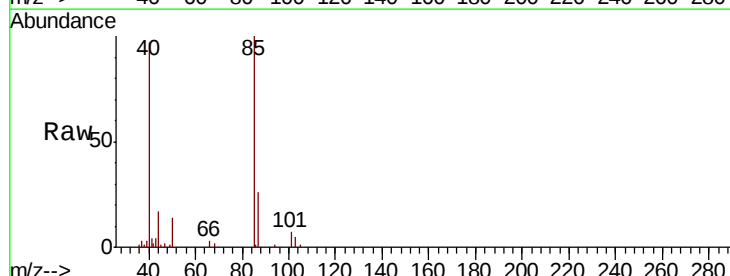
Acq: 16 Mar 2019 17:30

Tgt Ion: 85 Resp: 55114

Ion Ratio Lower Upper

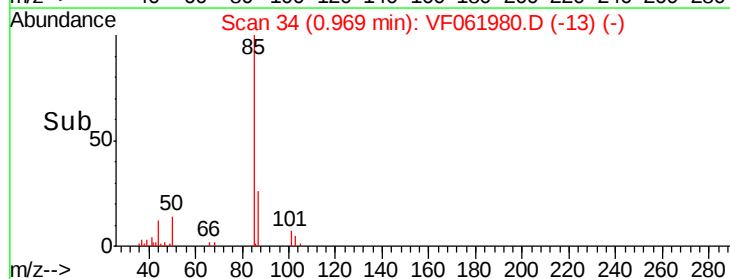
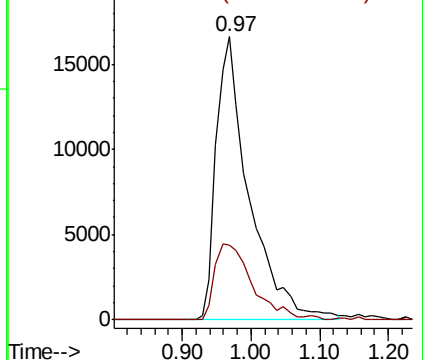
85 100

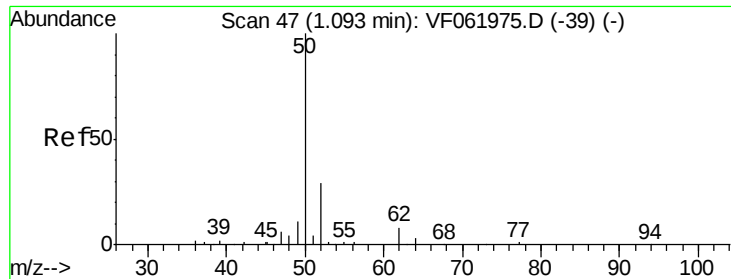
87 26.4 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 21.195 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion: 50 Resp: 57389

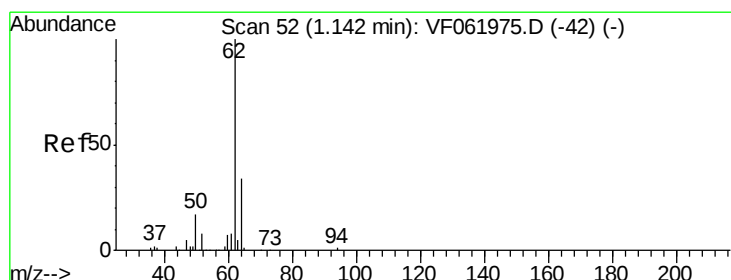
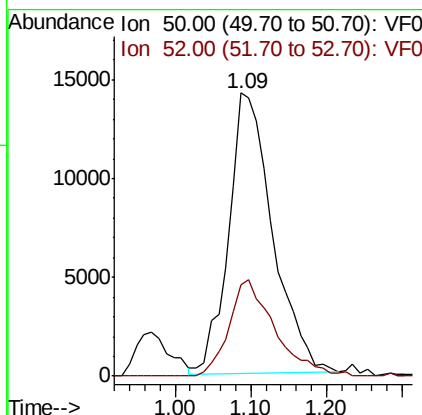
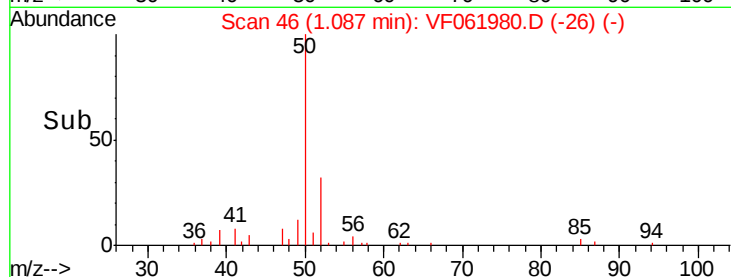
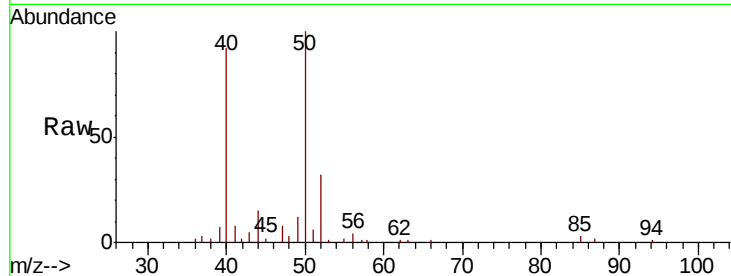
Ion Ratio Lower Upper

50 100

52 32.2 22.6 34.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 22.750 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061980.D

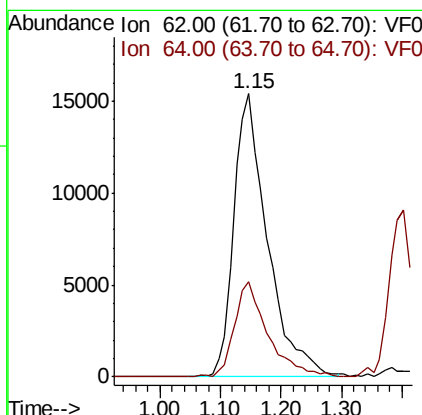
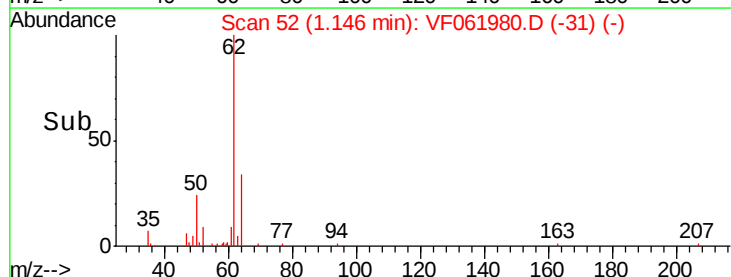
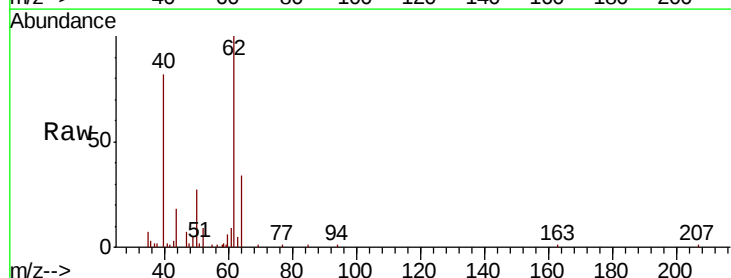
Acq: 16 Mar 2019 17:30

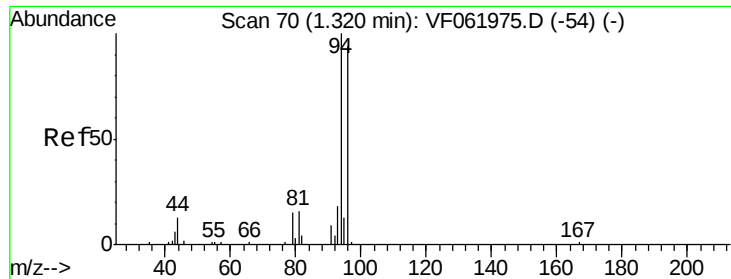
Tgt Ion: 62 Resp: 59577

Ion Ratio Lower Upper

62 100

64 33.8 27.4 41.2





#5

Bromomethane

Concen: 19.775 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 36379

Ion Ratio Lower Upper

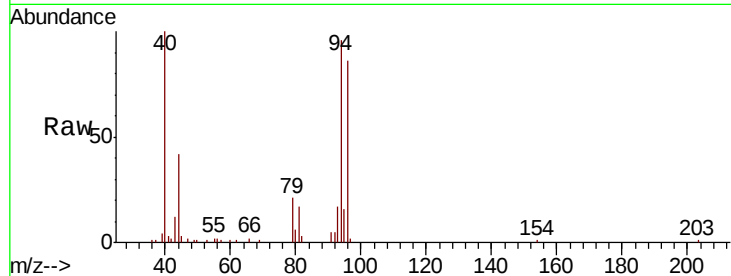
94 100

96 89.3 75.0 112.6

Manual Integrations
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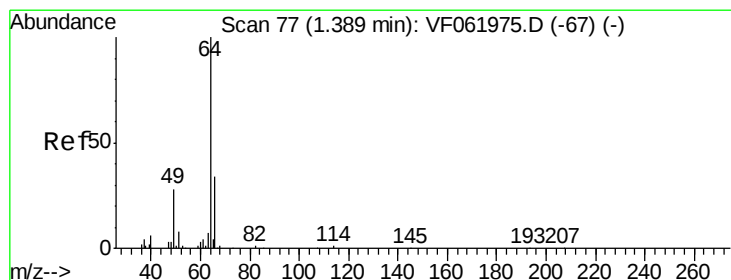
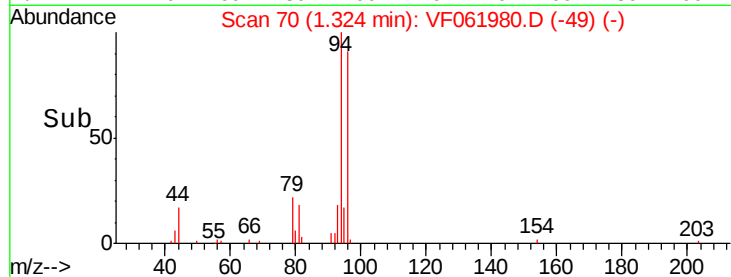
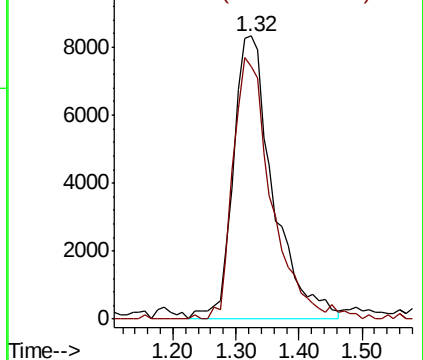
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 20.835 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061980.D

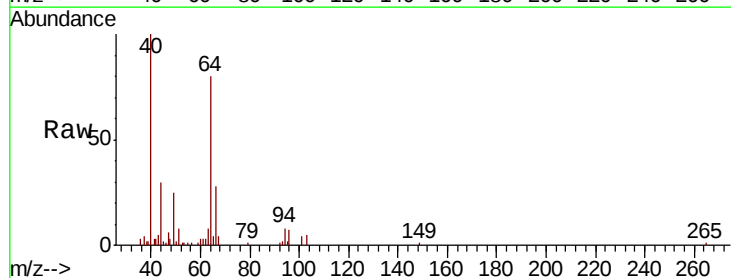
Acq: 16 Mar 2019 17:30

Tgt Ion: 64 Resp: 28166

Ion Ratio Lower Upper

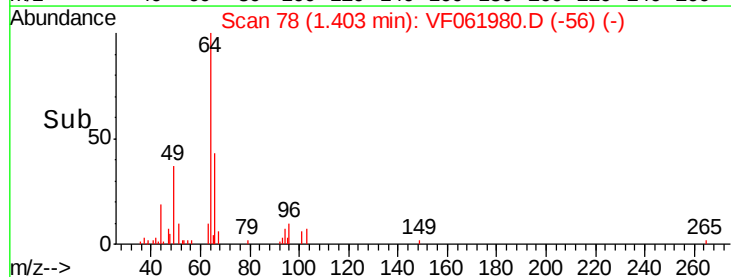
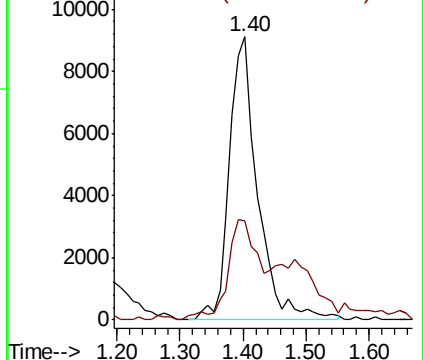
64 100

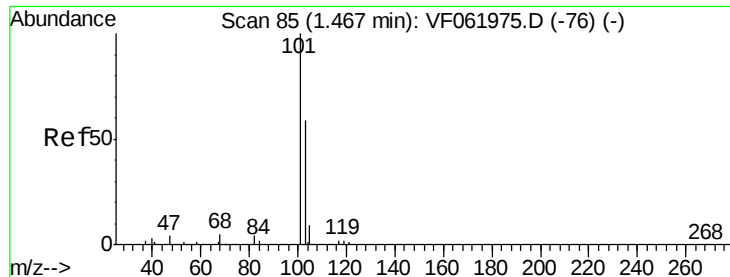
66 35.2 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

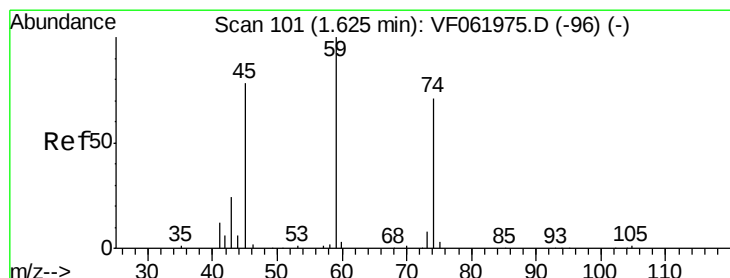
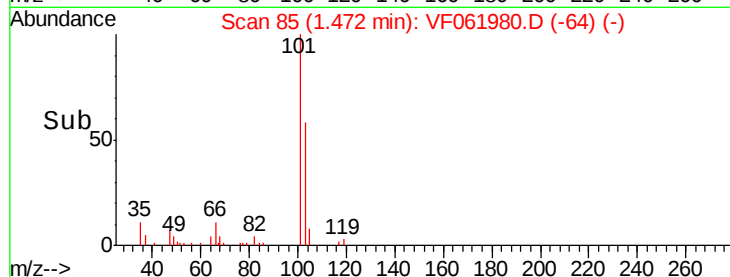
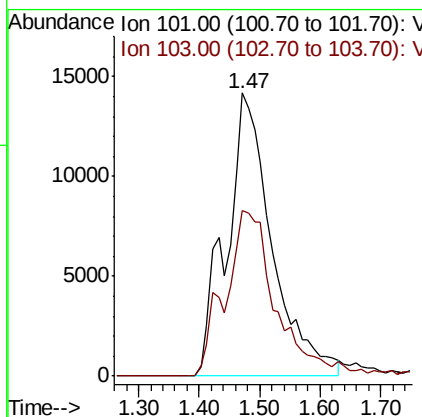
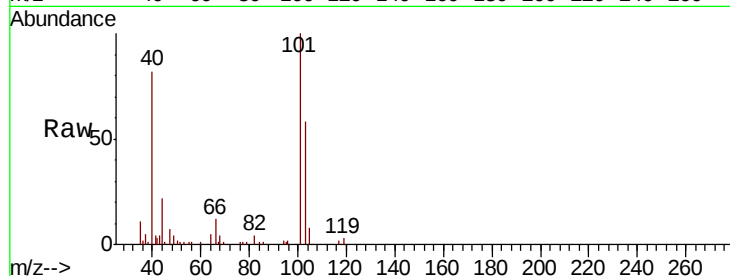
Trichlorofluoromethane
Concen: 21.460 ug/l
RT: 1.47 min Scan# 85
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	58.5	47.3	70.9	

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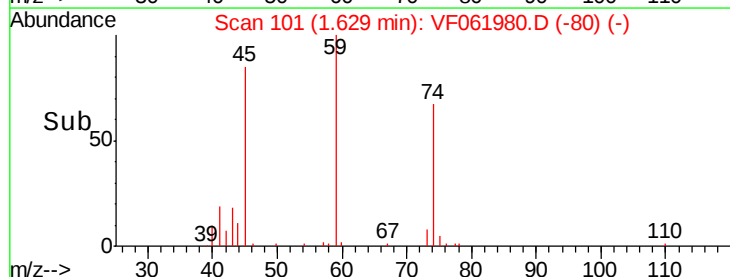
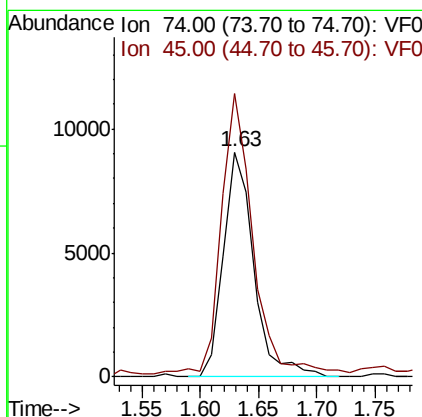
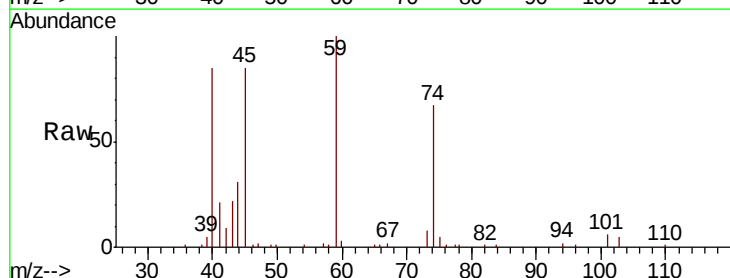
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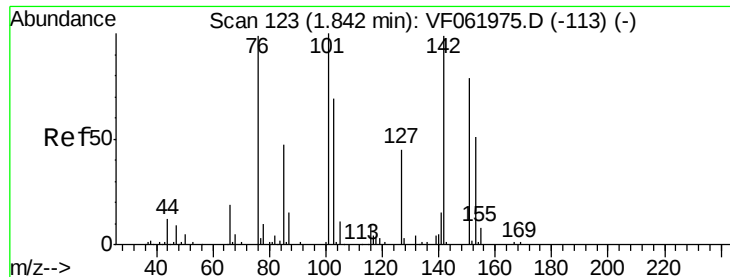


#8

Diethyl Ether
Concen: 21.334 ug/l
RT: 1.63 min Scan# 101
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	126.0	56.3	168.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.018 ug/l

RT: 1.84 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

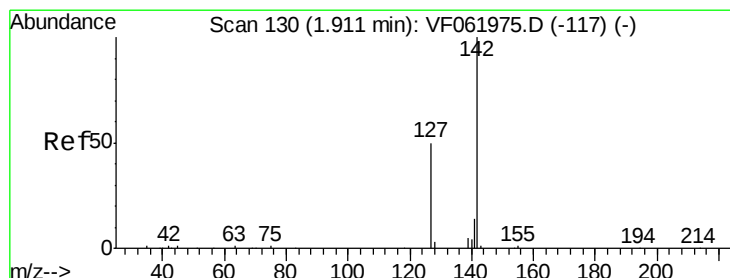
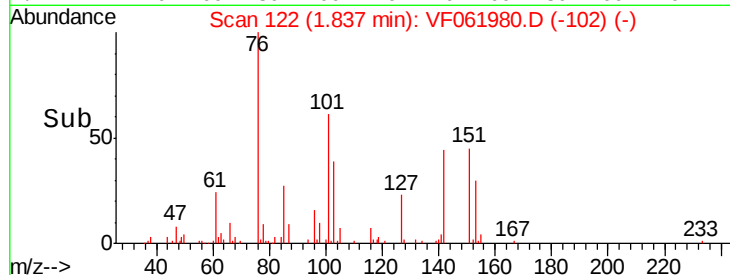
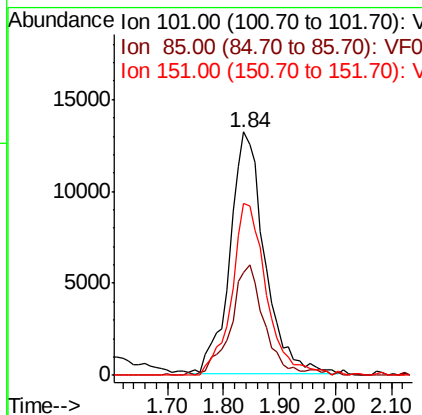
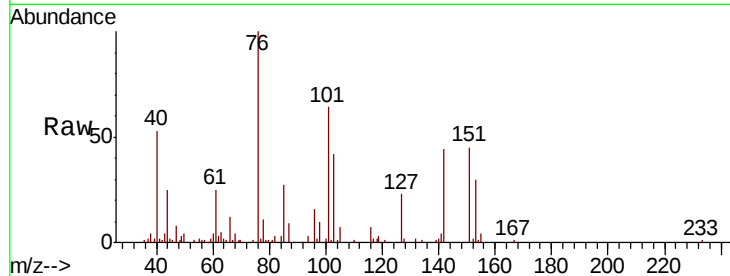
ClientSampleId :

VF0316SBS01

Tot Ion:	101	Resp:	56263
Ion Ratio	Lower	Upper	
101	100		
85	42.2	36.8	55.2
151	70.4	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 22.064 ug/l m

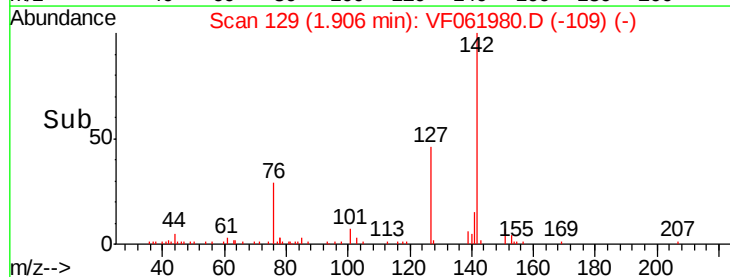
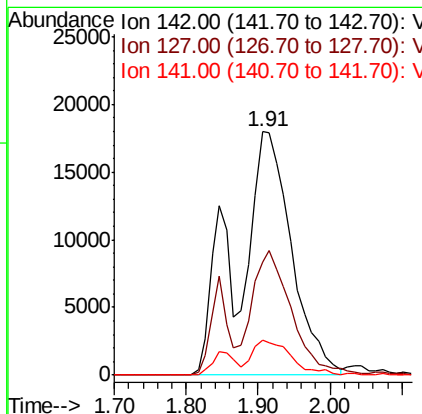
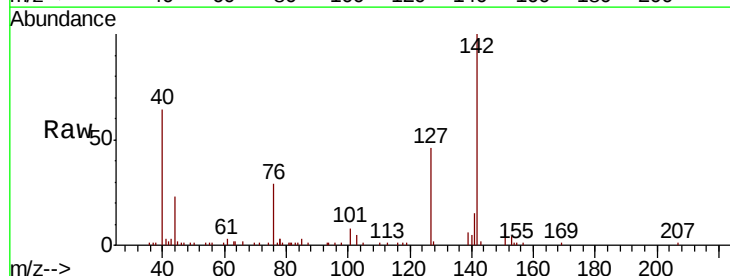
RT: 1.91 min Scan# 129

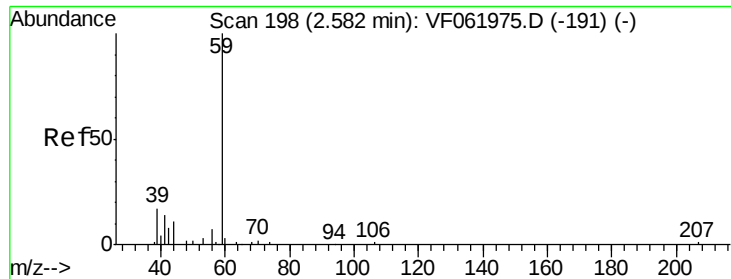
Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Tgt Ion:	142	Resp:	94418
Ion Ratio	Lower	Upper	
142	100		
127	46.5	39.7	59.5
141	14.5	10.8	16.2





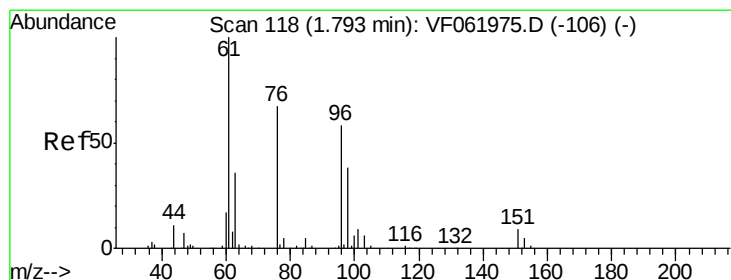
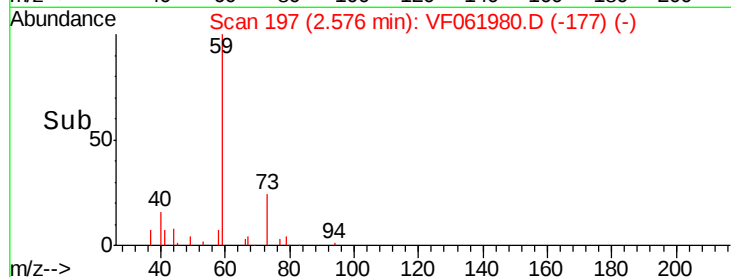
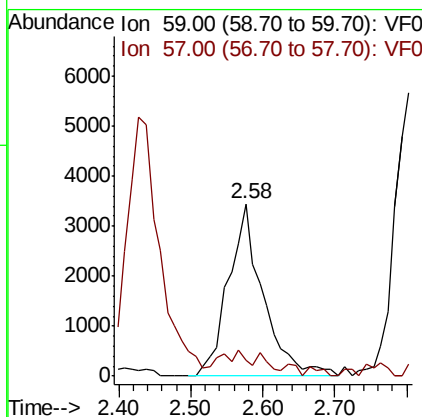
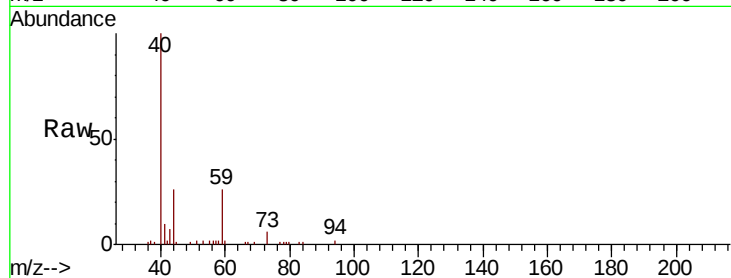
#11
Tert butyl alcohol
Concen: 104.567 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion: 59 Resp: 11512
Ion Ratio Lower Upper
59 100
57 9.6 8.7 13.1

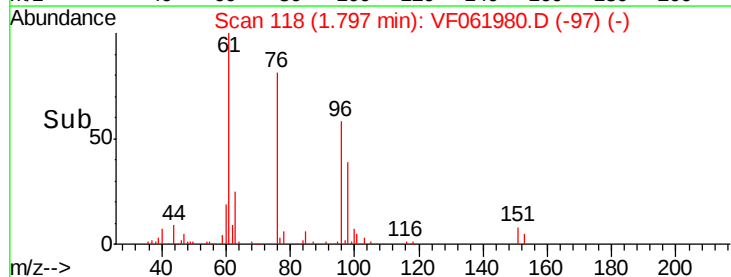
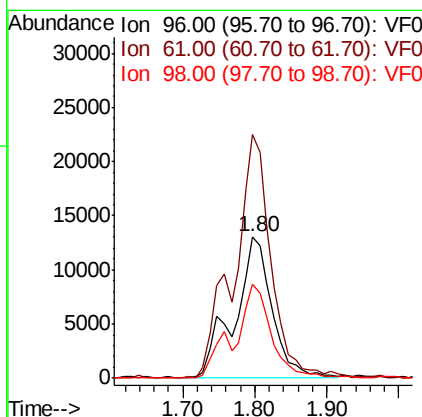
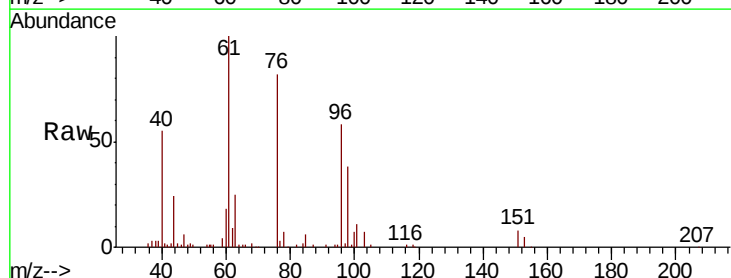
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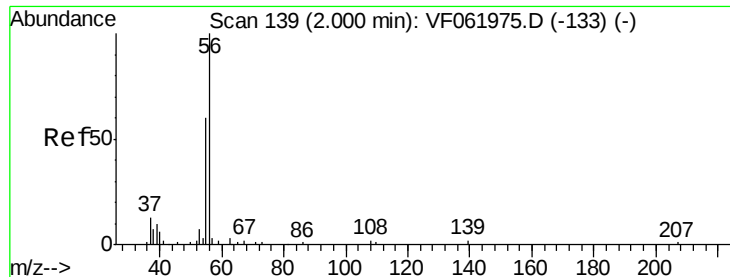
MMDadoda
3/22/2019 6:19:22 PM



#12
1,1-Dichloroethene
Concen: 22.626 ug/l
RT: 1.80 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion: 96 Resp: 47730
Ion Ratio Lower Upper
96 100
61 172.2 138.6 208.0
98 66.1 53.2 79.8





#13

Acrolein

Concen: 105.631 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion: 56 Resp: 12554

Ion Ratio Lower Upper

56 100

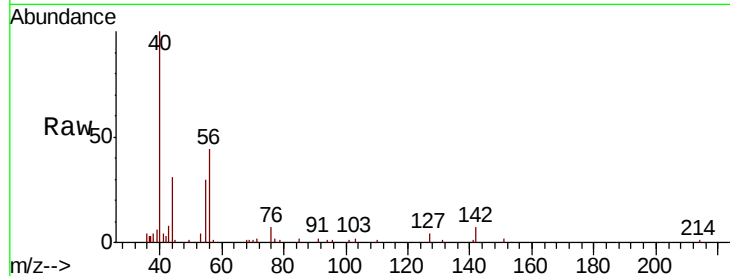
55 67.9 49.1 73.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.00

5000

4000

3000

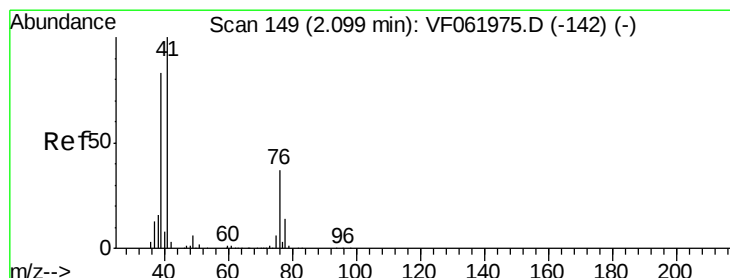
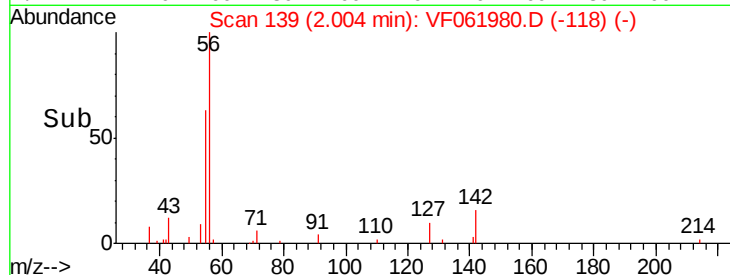
2000

1000

0

1.90 1.95 2.00 2.05 2.10

Time-->



#14

Allyl chloride

Concen: 22.135 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

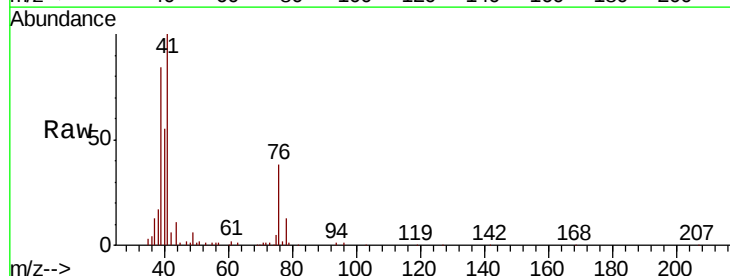
Tgt Ion: 41 Resp: 59603

Ion Ratio Lower Upper

41 100

39 83.8 66.8 100.2

76 37.9 31.1 46.7



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.09

30000

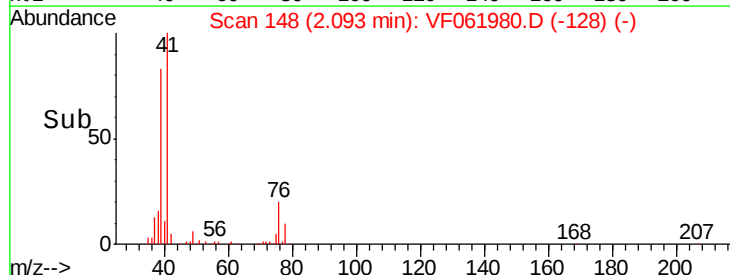
20000

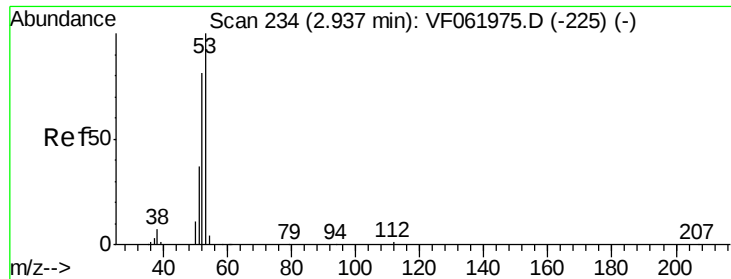
10000

0

2.00 2.05 2.10 2.15

Time-->





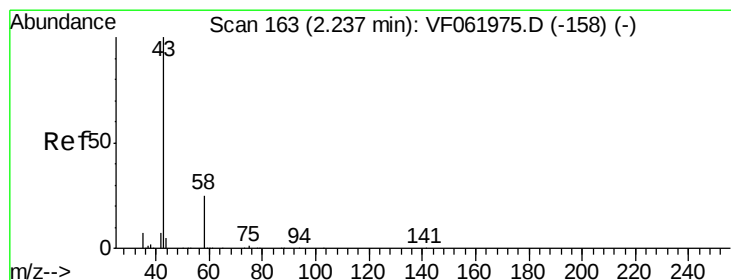
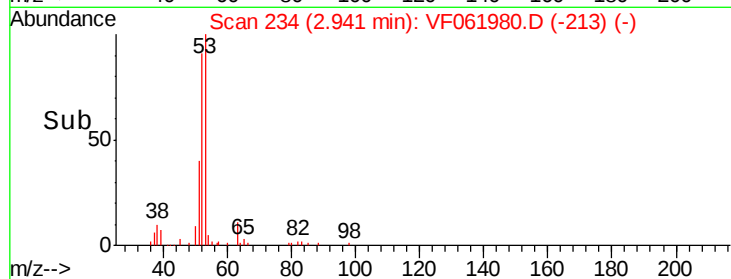
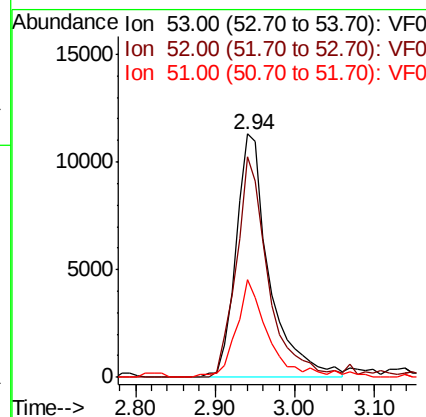
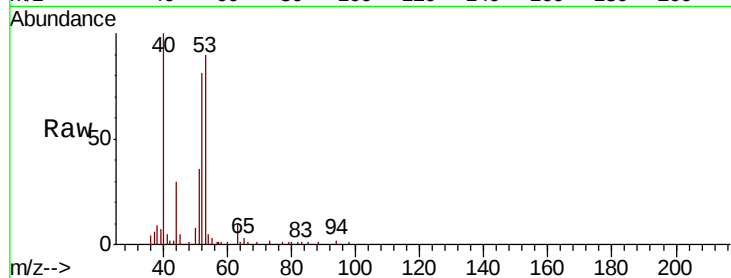
#15
 Acrylonitrile
 Concen: 98.246 ug/l
 RT: 2.94 min Scan# 234
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tot Ion:	53	Resp:	32891
Ion	Ratio	Lower	Upper
53	100		
52	90.6	64.4	96.6
51	40.1	30.3	45.5

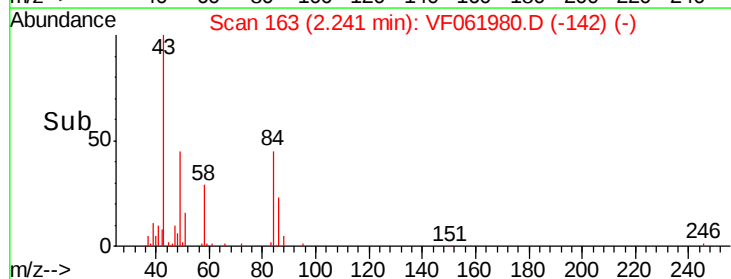
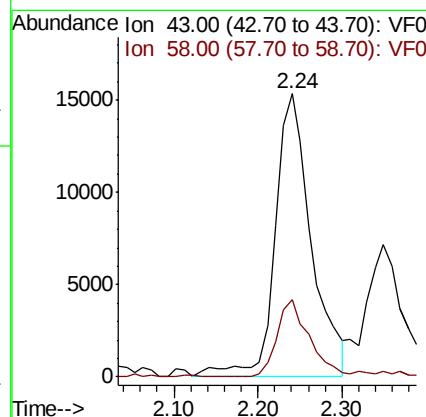
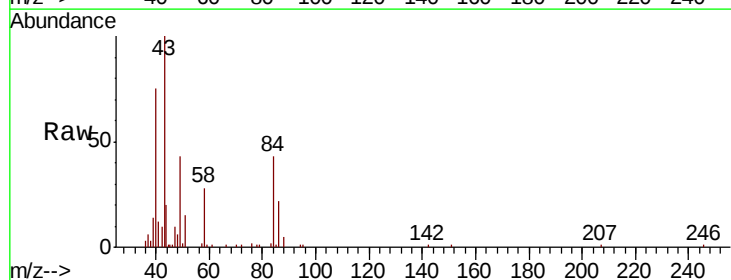
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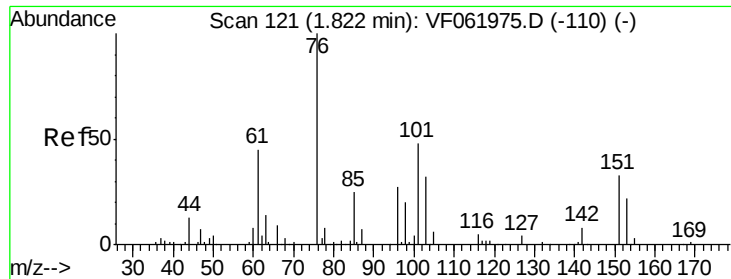
MMDadoda
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#16
 Acetone
 Concen: 114.701 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Tgt Ion:	43	Resp:	46340
Ion	Ratio	Lower	Upper
43	100		
58	27.5	19.9	29.9





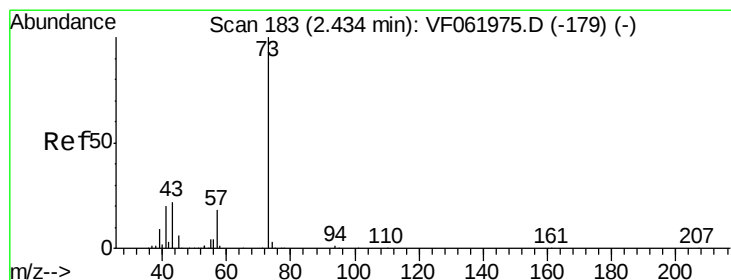
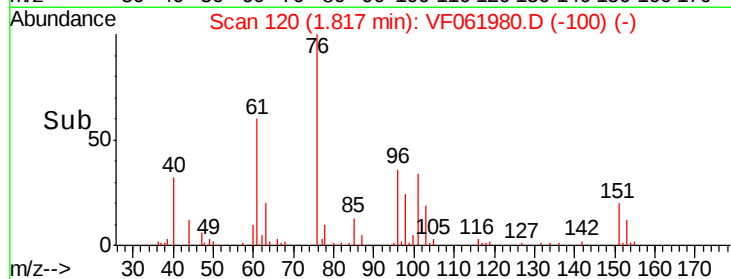
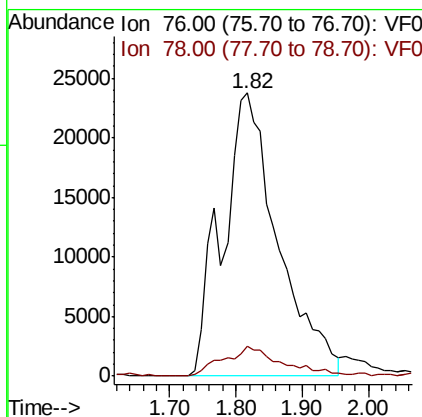
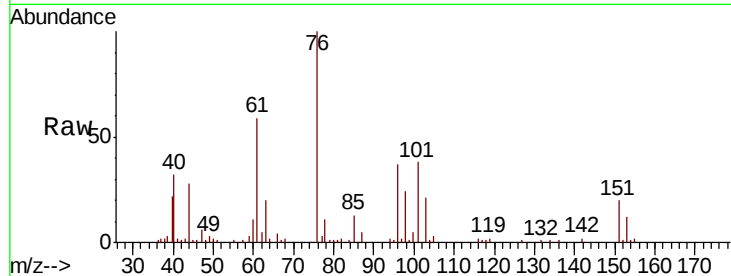
#17
Carbon Disulfide
Concen: 22.870 ug/l m
RT: 1.82 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion: 76 Resp: 139455
Ion Ratio Lower Upper
76 100
78 10.8 6.8 10.2#

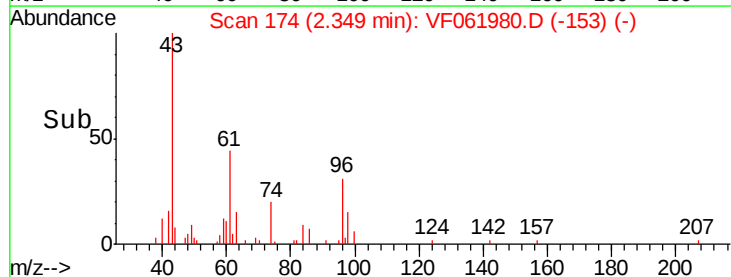
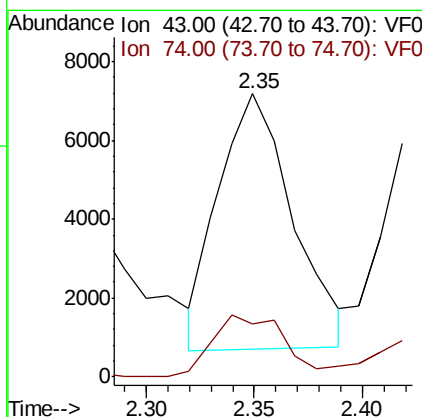
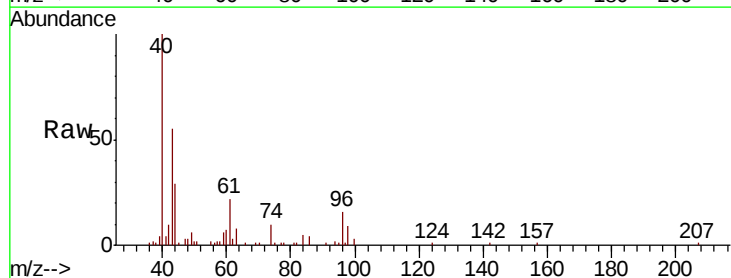
Manual Integrations
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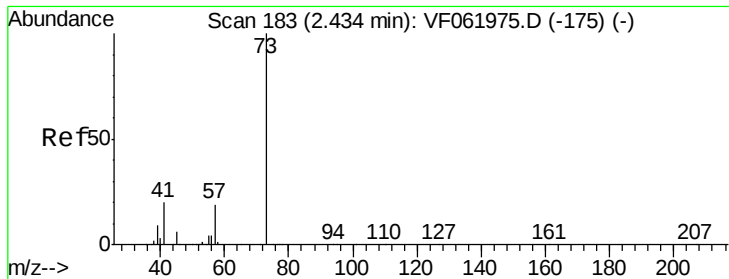
MMDadoda
3/22/2019 6:19:22 PM



#18
Methyl Acetate
Concen: 17.001 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion: 43 Resp: 15565
Ion Ratio Lower Upper
43 100
74 18.8 18.3 27.5





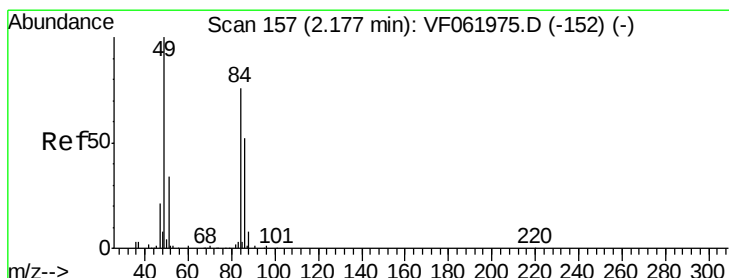
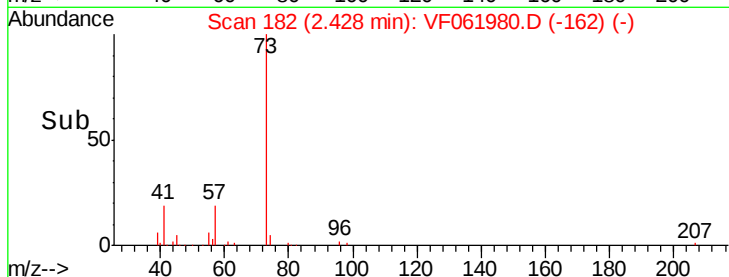
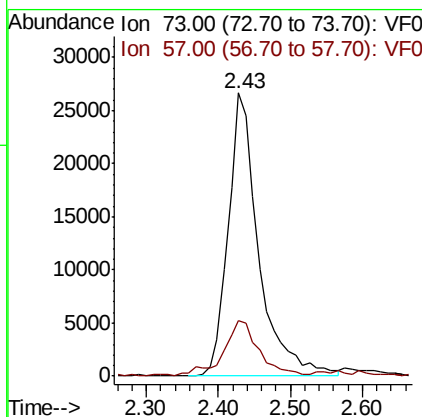
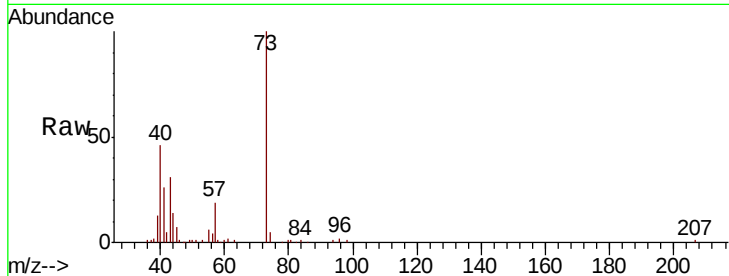
#19
Methvl tert-butvl Ether
Concen: 20.599 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.5	15.3	22.9

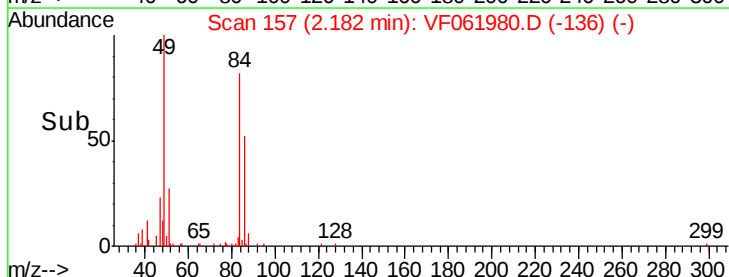
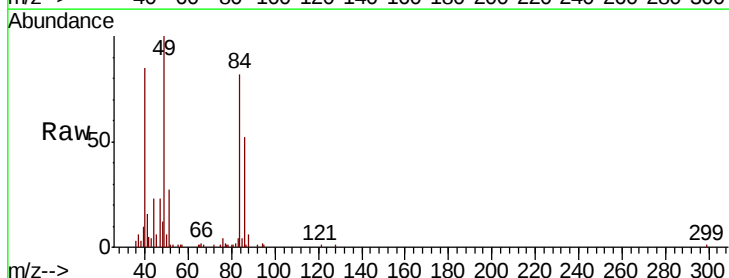
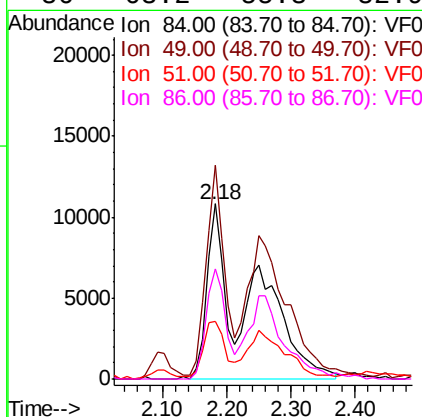
Manual Integrations
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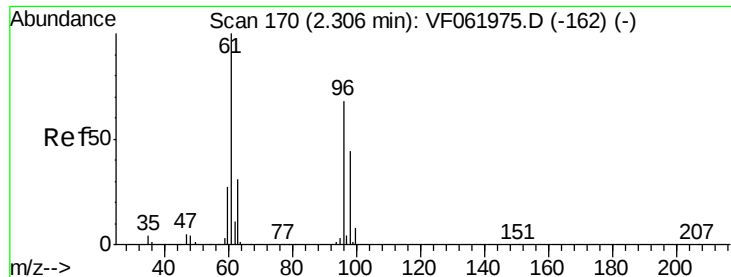
MMDadoda
3/22/2019 6:19:22 PM



#20
Methylene Chloride
Concen: 23.505 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.1	107.0	160.6
51	33.1	37.2	55.8#
86	63.2	55.3	82.9





#21

trans-1,2-Dichloroethene

Concen: 22.884 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

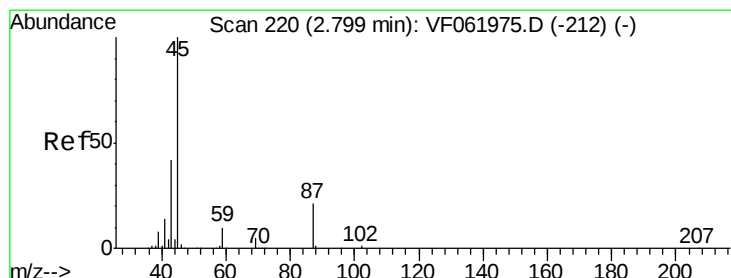
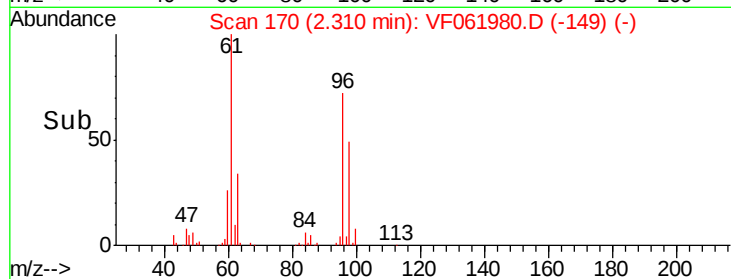
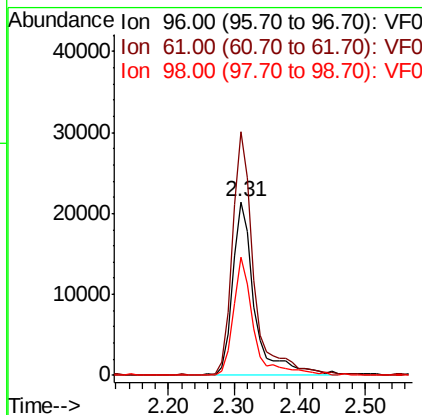
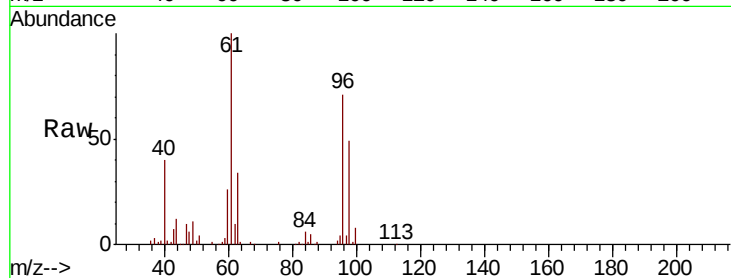
ClientSampleId :

VF0316SBS01

Tot Ion:	96	Resp:	50376
Ion	Ratio	Lower	Upper
96	100		
61	140.4	117.4	176.2
98	68.1	51.2	76.8

Manual Integrations
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MMDadoda
3/22/2019 6:19:22 PM



#22

Diisopropyl ether

Concen: 22.054 ug/l

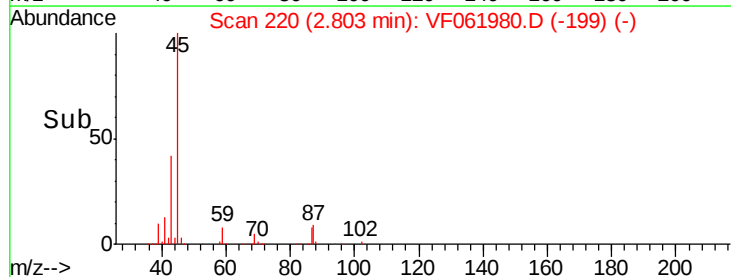
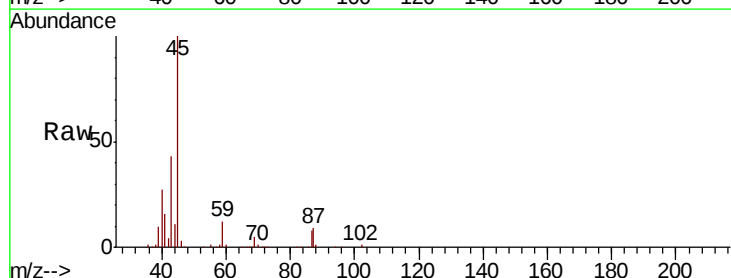
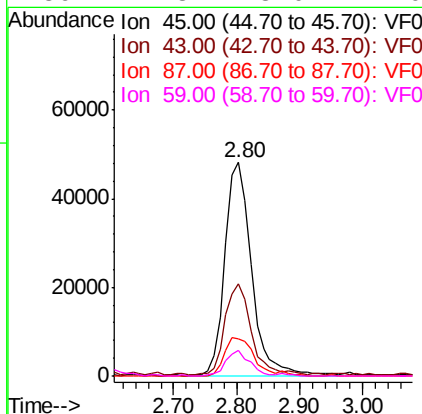
RT: 2.80 min Scan# 220

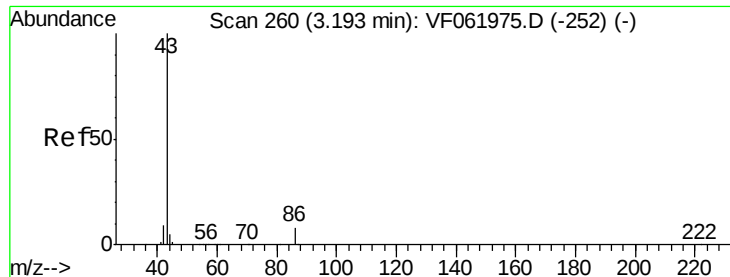
Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Tgt Ion:	45	Resp:	142845
Ion	Ratio	Lower	Upper
45	100		
43	43.2	33.7	50.5
87	17.3	17.1	25.7
59	11.8	8.0	12.0





#23

Vinyl Acetate

Concen: 113.759 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion: 43 Resp: 290458

Ion Ratio Lower Upper

43 100

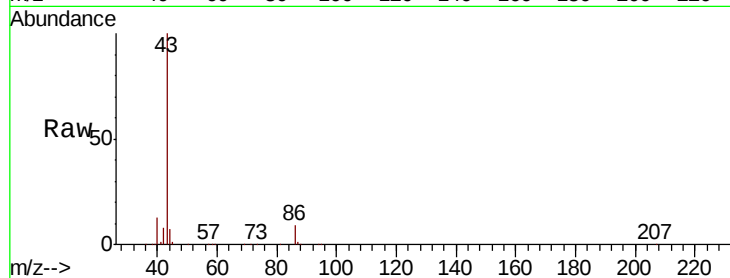
86 8.5 6.5 9.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.19

120000

100000

80000

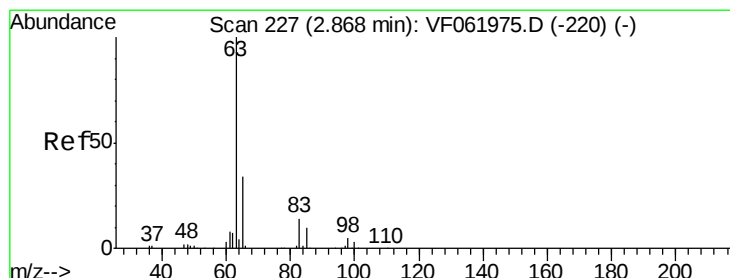
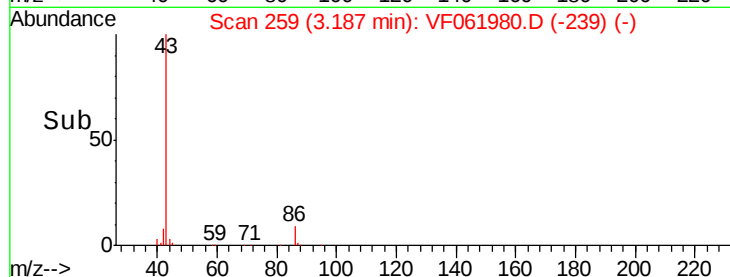
60000

40000

20000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 21.436 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

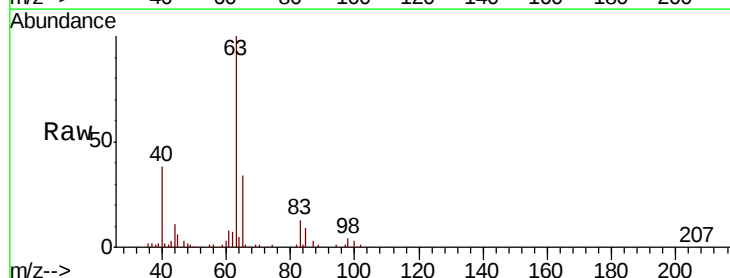
Tgt Ion: 63 Resp: 80728

Ion Ratio Lower Upper

63 100

98 4.4 2.7 8.1

100 3.1 1.7 5.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.87

40000

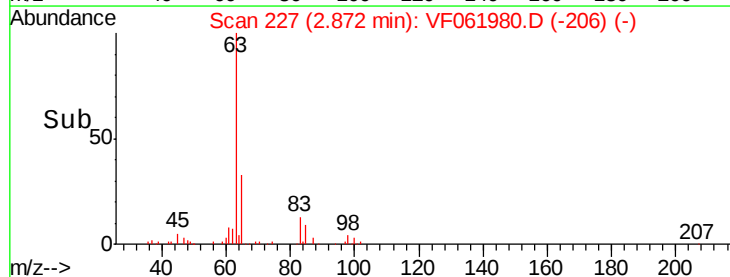
30000

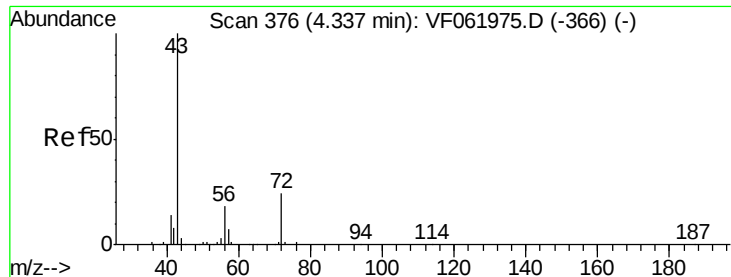
20000

10000

0

Time--> 2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 99.367 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion: 43 Resp: 79506

Ion Ratio Lower Upper

43 100

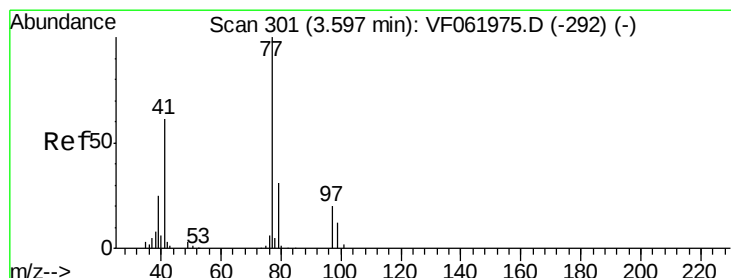
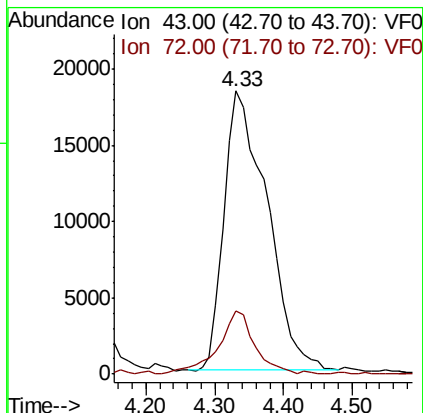
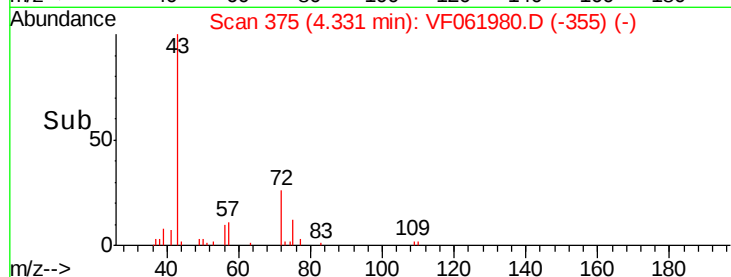
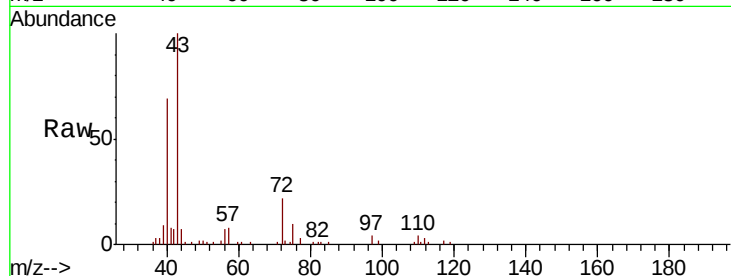
72 22.4 19.8 29.6

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#26

2,2-Dichloropropane

Concen: 20.737 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.00 min

Lab File: VF061980.D

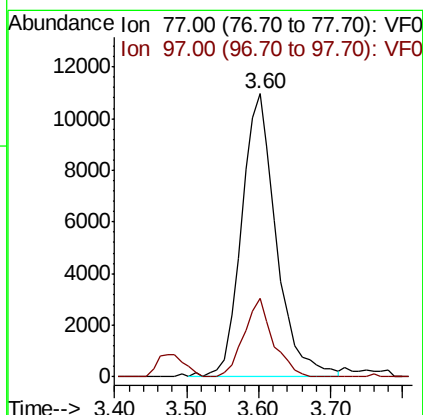
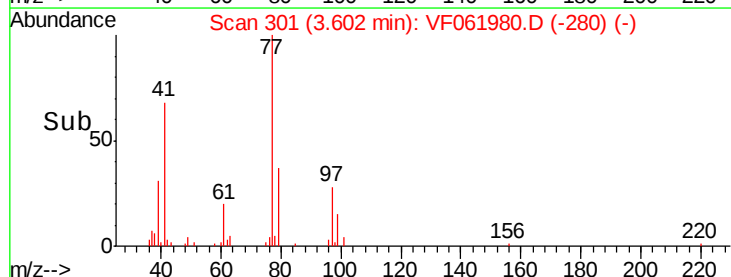
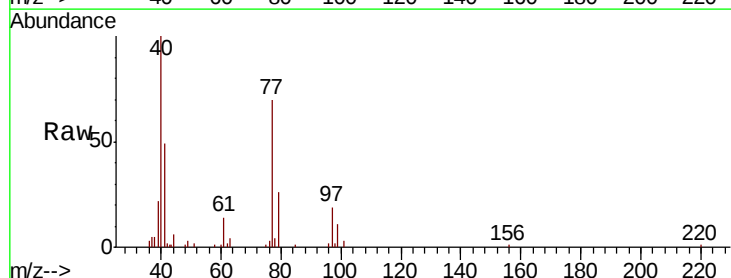
Acq: 16 Mar 2019 17:30

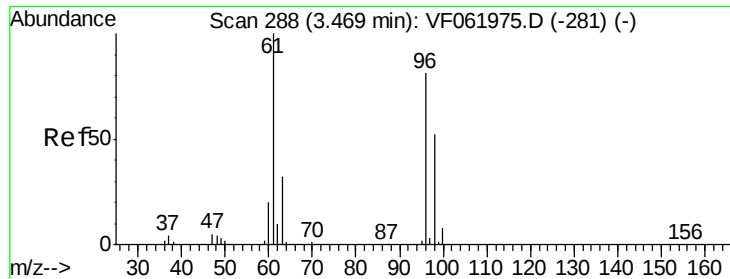
Tgt Ion: 77 Resp: 36837

Ion Ratio Lower Upper

77 100

97 27.8 10.8 32.4





#27

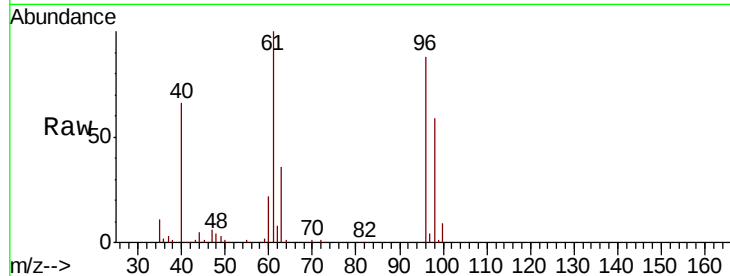
cis-1,2-Dichloroethene
Concen: 20.433 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

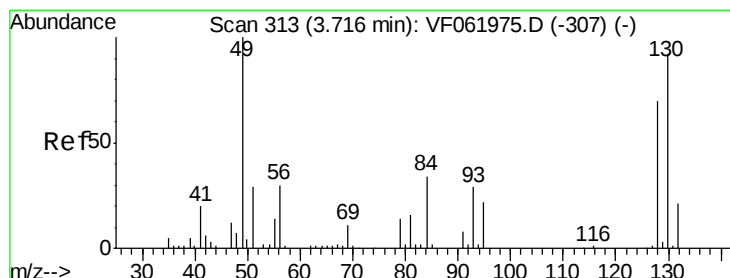
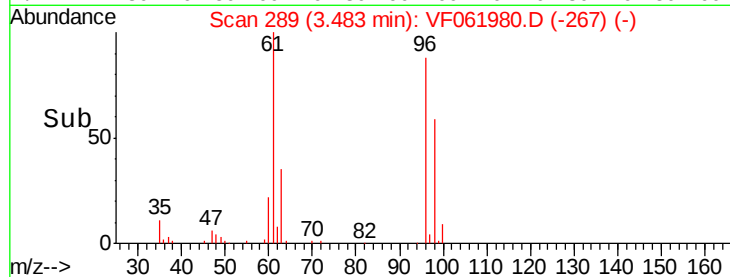
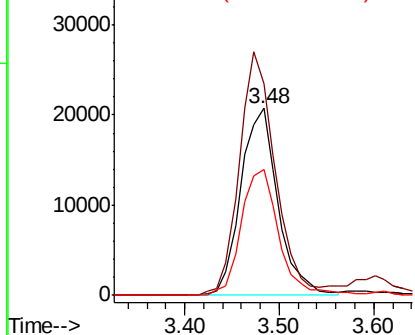
Tot Ion	Ratio	Lower	Upper
96	100		
61	113.3	0.0	246.6
98	67.1	0.0	129.2

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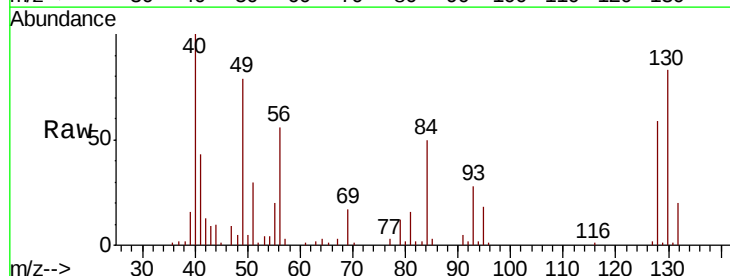
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



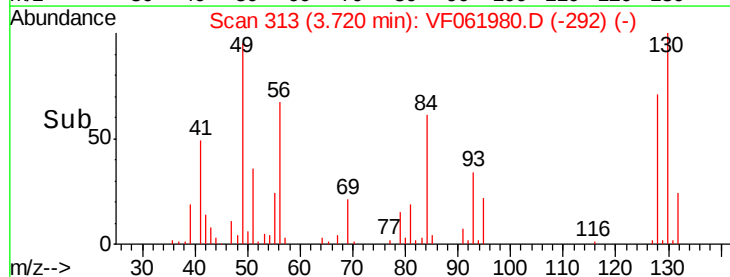
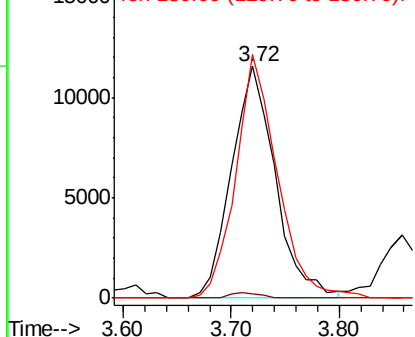
#28

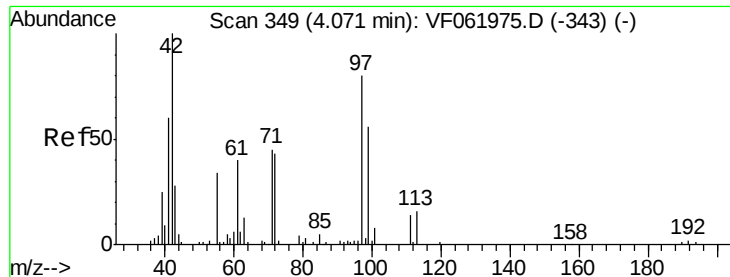
Bromochloromethane
Concen: 20.870 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	5.8
130	105.2	73.1	109.7



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





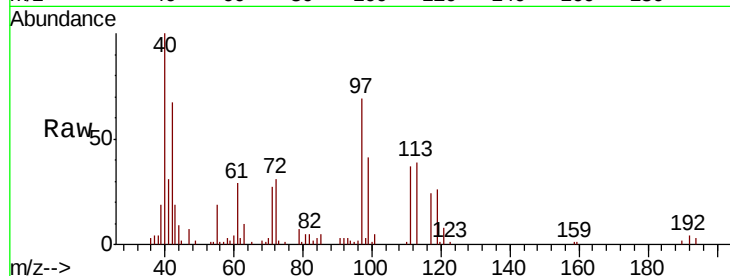
#29
Tetrahydrofuran
Concen: 104.719 ug/l
RT: 4.07 min Scan# 349
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

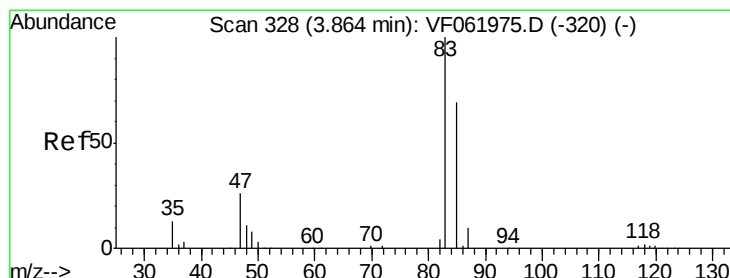
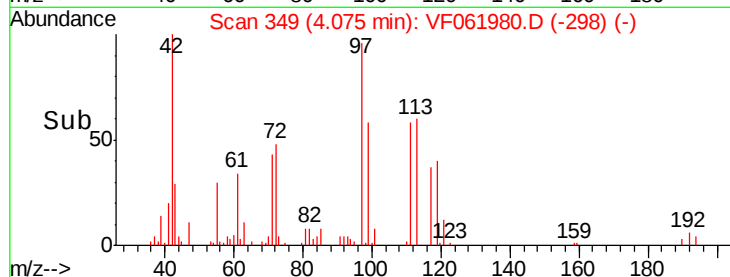
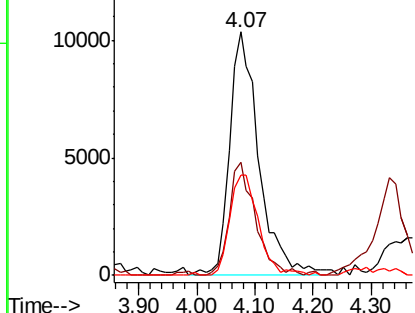
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.0	51.0
71	40.5	34.2	51.4

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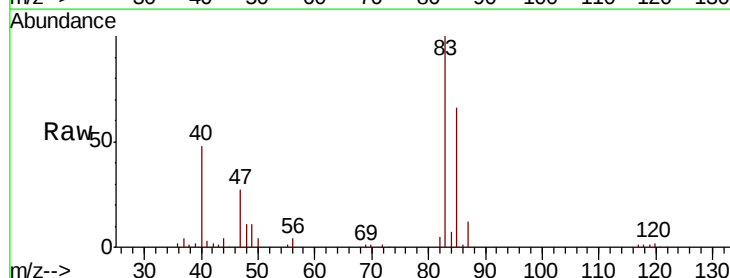


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

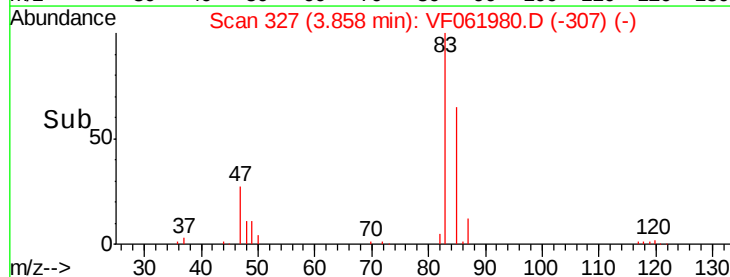
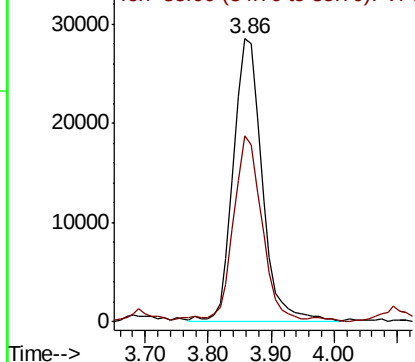


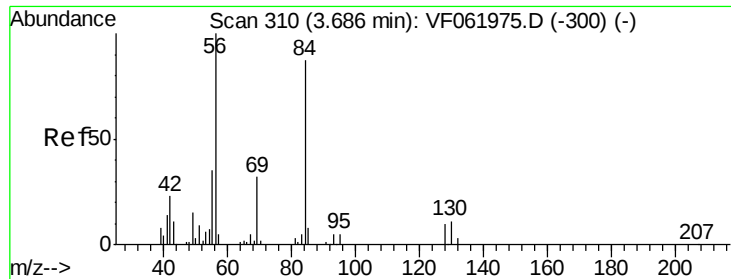
#30
Chloroform
Concen: 21.283 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	55.5	83.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





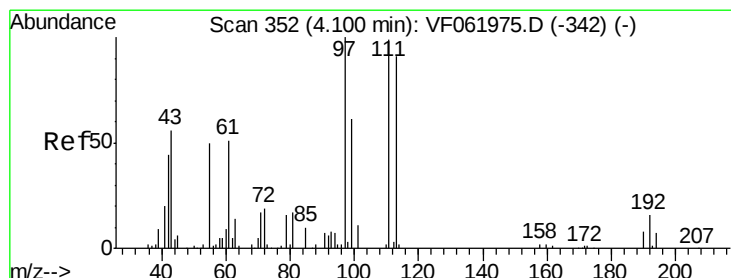
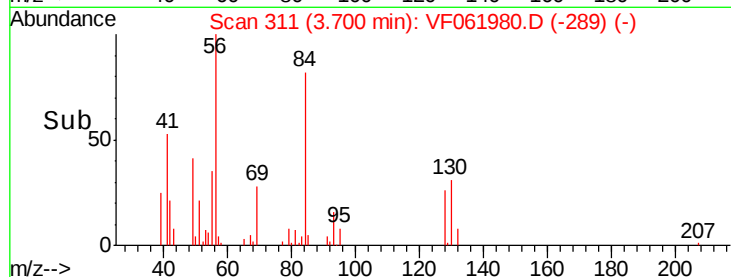
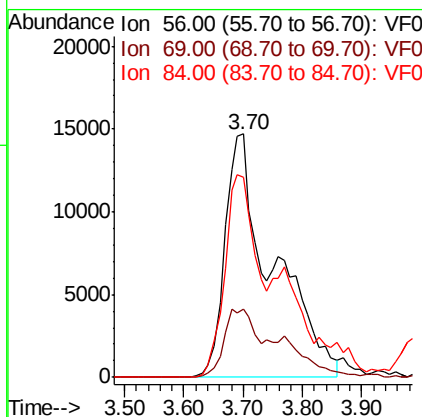
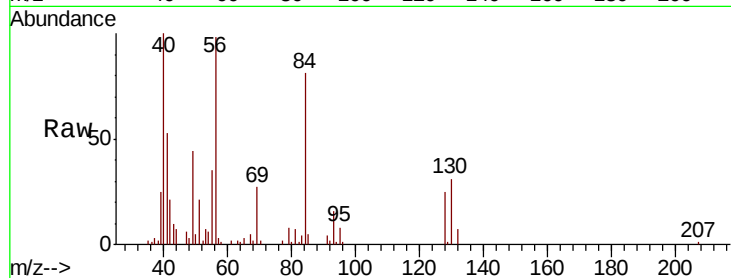
#31
Cvclohexane
Concen: 22.134 ug/l m
RT: 3.70 min Scan# 311
Delta R.T. 0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	25.8	38.8
84	82.3	69.5	104.3

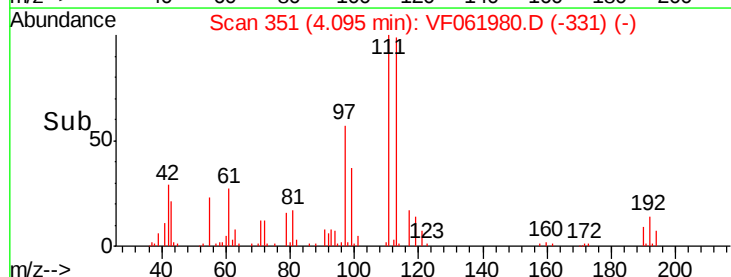
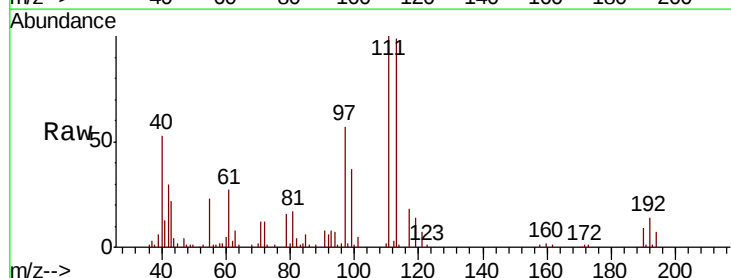
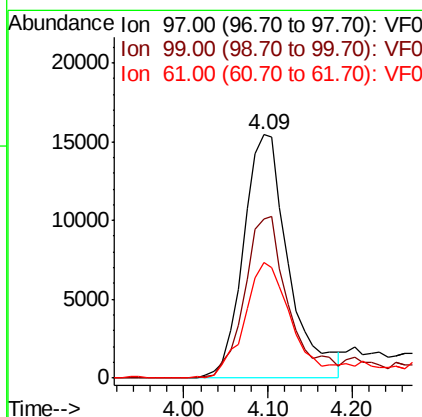
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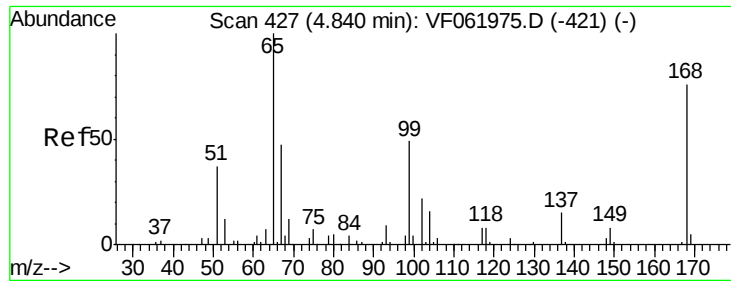
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#32
1,1,1-Trichloroethane
Concen: 20.498 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	49.0	73.4
61	47.6	41.4	62.0





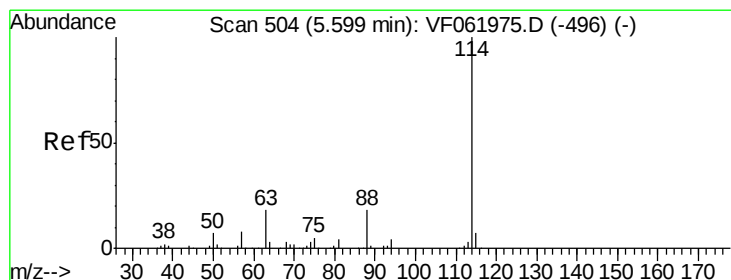
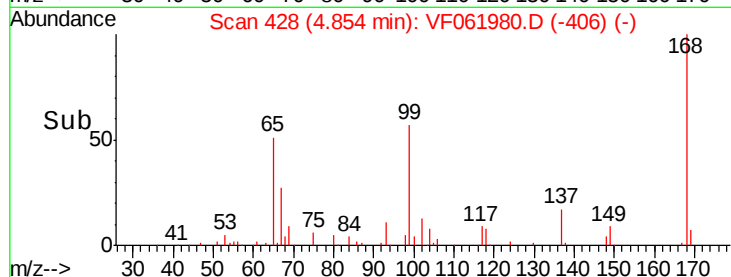
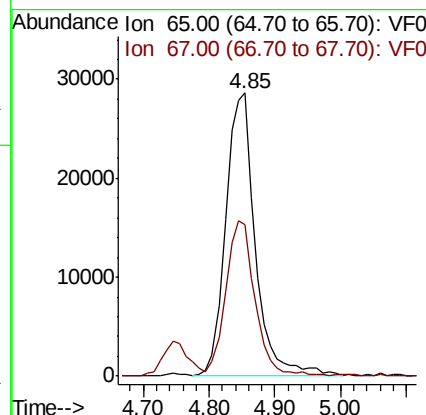
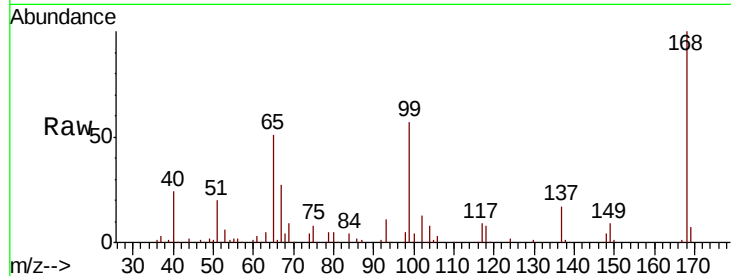
#33
 1,2-Dichloroethane-d4
 Concen: 50.003 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	89963		
67	53.5	0.0	109.4	

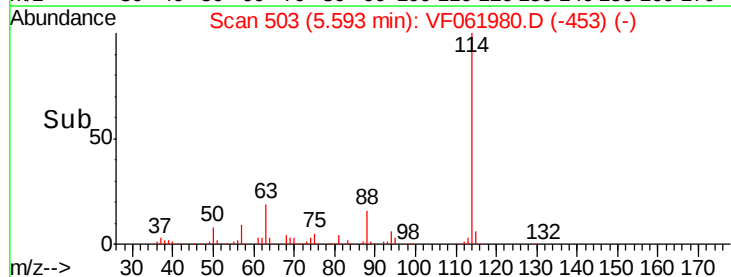
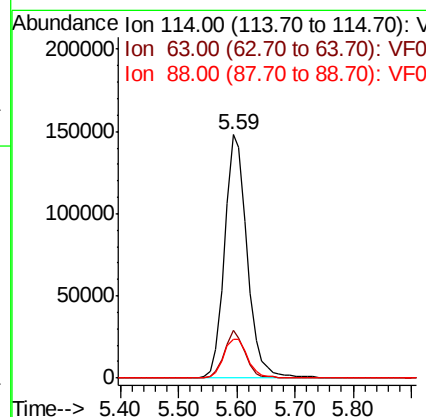
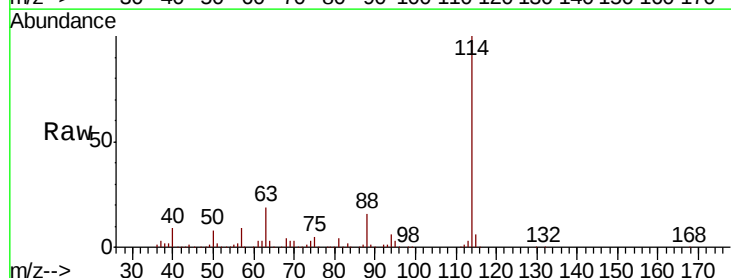
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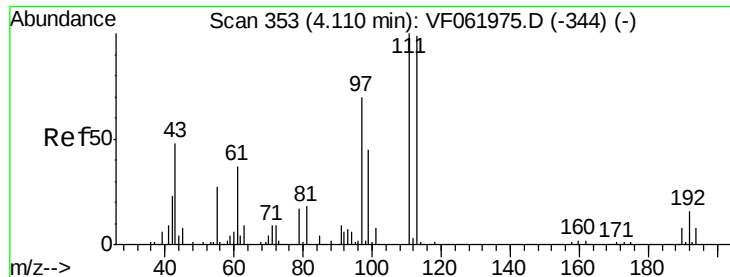
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	397405		
63	19.4	0.0	36.4	
88	15.8	0.0	36.4	





#35

Dibromofluoromethane

Concen: 50.832 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

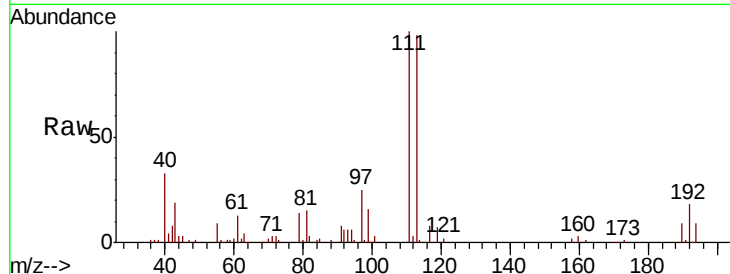
ClientSampleId :

VF0316SBS01

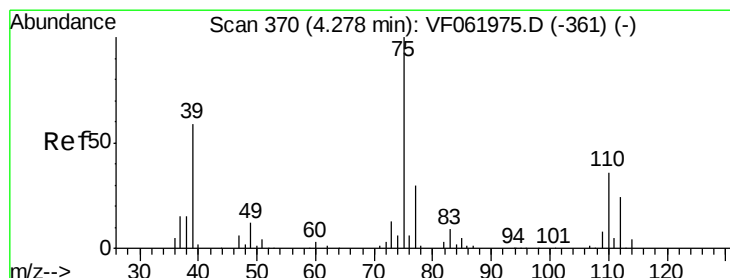
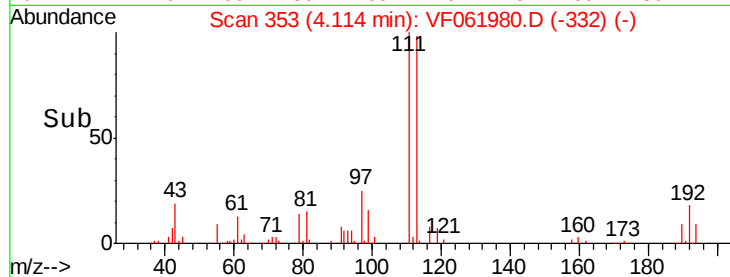
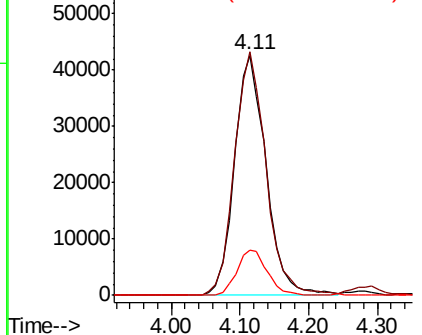
Tot Ion:	113	Resp:	135652
Ion Ratio	Lower	Upper	
113	100		
111	101.5	80.8	121.2
192	18.6	13.0	19.6

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Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.116 ug/l

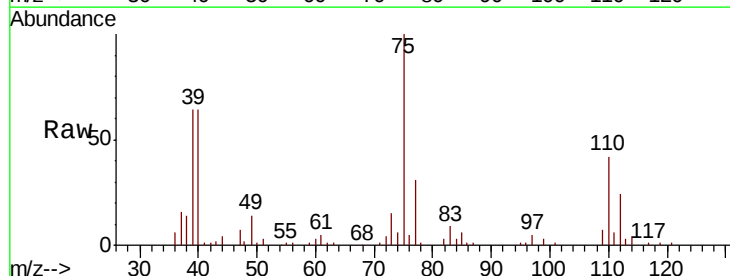
RT: 4.28 min Scan# 370

Delta R.T. 0.00 min

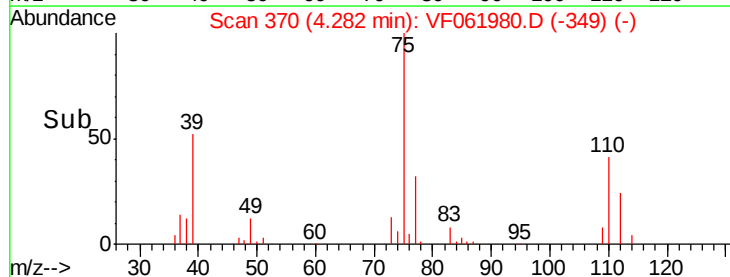
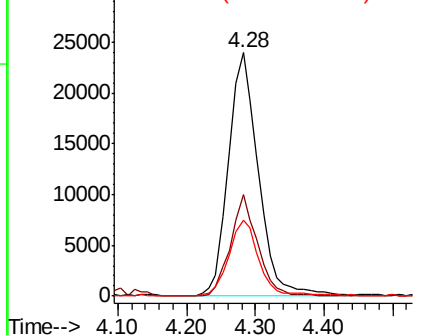
Lab File: VF061980.D

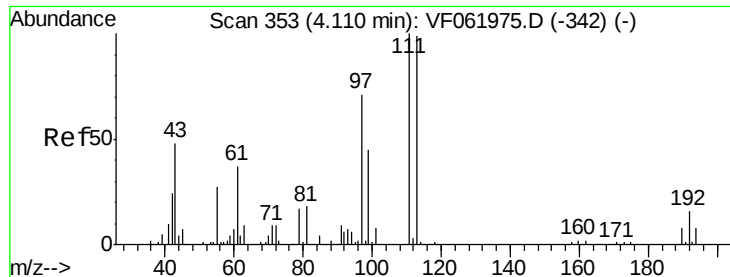
Acq: 16 Mar 2019 17:30

Tgt Ion:	75	Resp:	72190
Ion Ratio	Lower	Upper	
75	100		
110	41.5	17.8	53.3
77	31.4	24.2	36.2



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 18.628 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

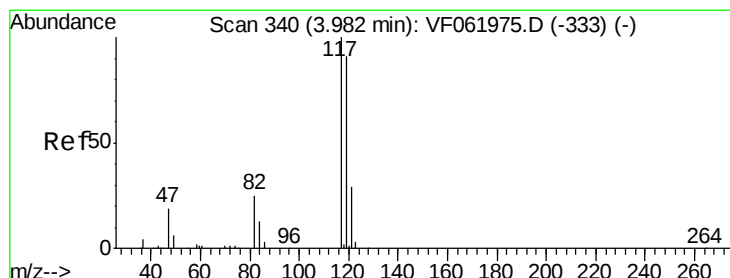
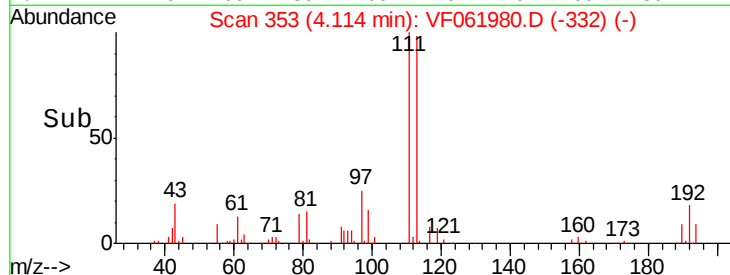
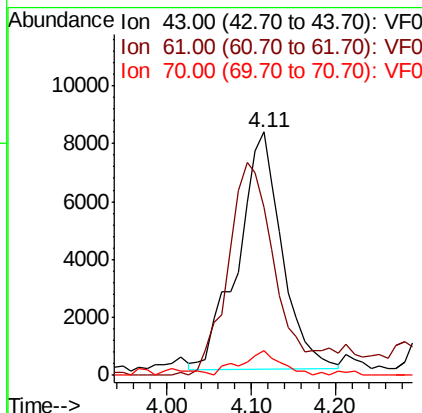
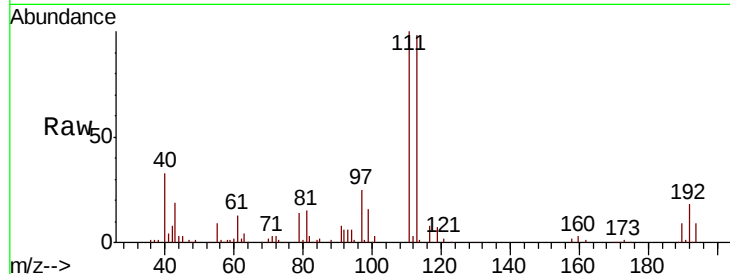
ClientSampleId :

VF0316SBS01

Tot Ion:	43	Resp:	30017
Ion	Ratio	Lower	Upper
43	100		
61	69.0	59.8	89.6
70	10.1	7.8	11.8

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#38

Carbon Tetrachloride

Concen: 19.713 ug/l

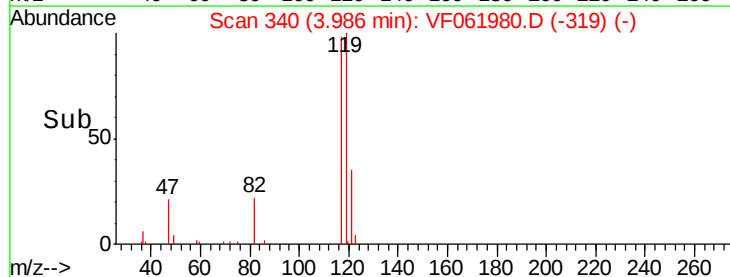
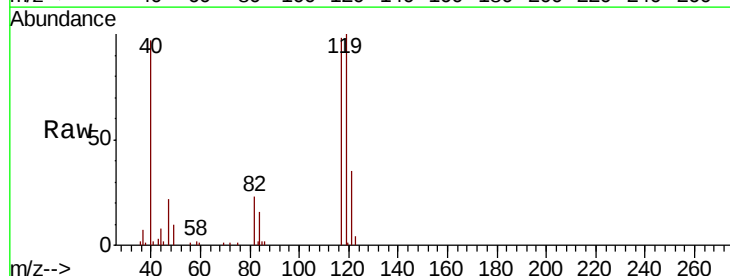
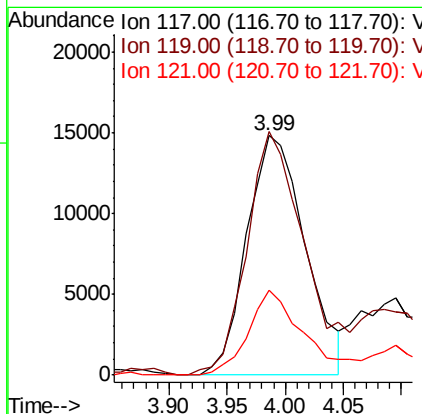
RT: 3.99 min Scan# 340

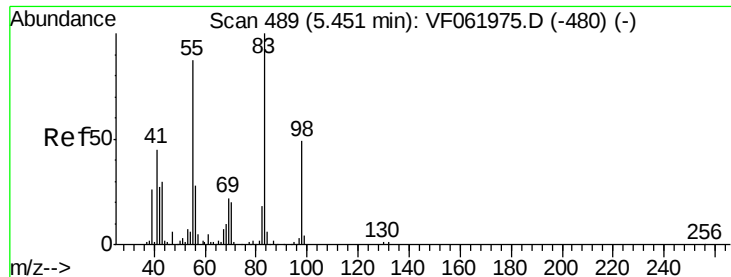
Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Tgt Ion:	117	Resp:	51703
Ion	Ratio	Lower	Upper
117	100		
119	101.7	73.0	109.4
121	35.4	23.0	34.6#





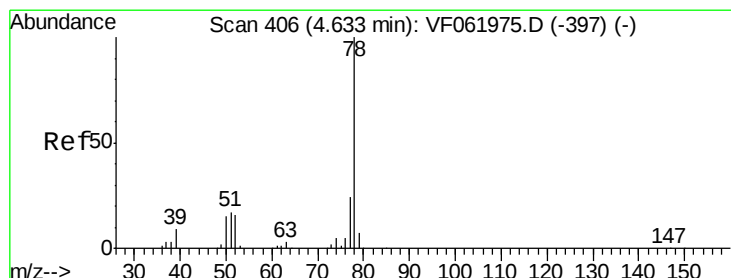
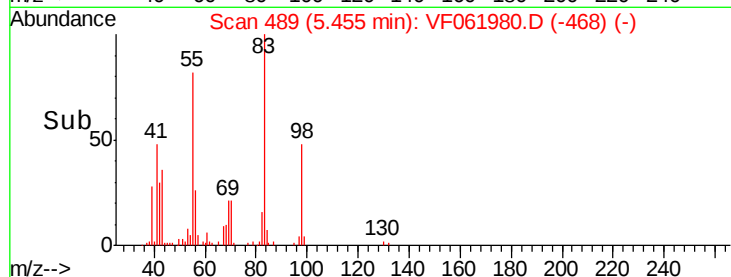
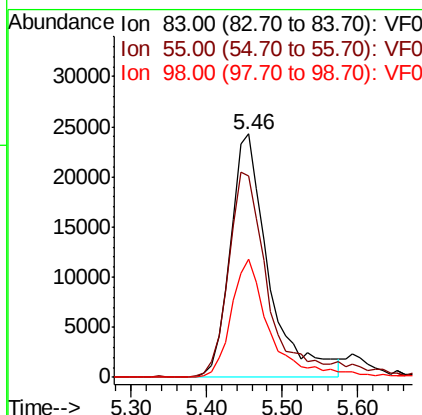
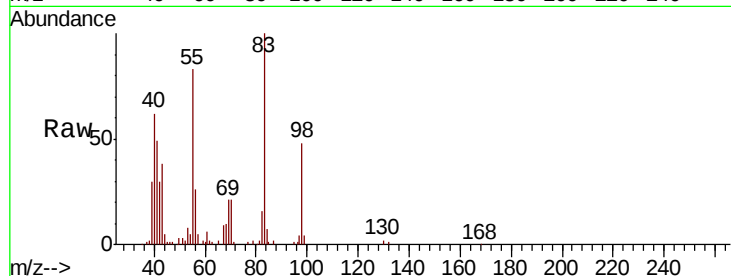
#39
Methvlcvclohexane
Concen: 20.204 ug/l
RT: 5.46 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion	83	Resp	85122
Ion	Ratio	Lower	Upper
83	100		
55	82.5	69.7	104.5
98	48.5	39.4	59.0

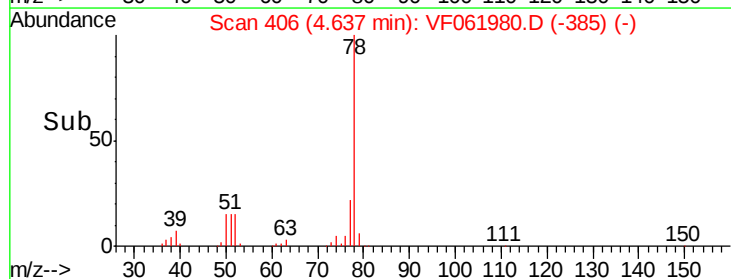
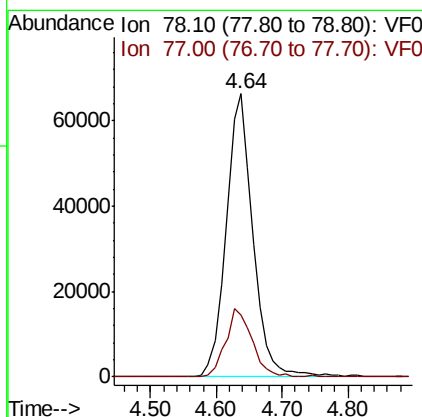
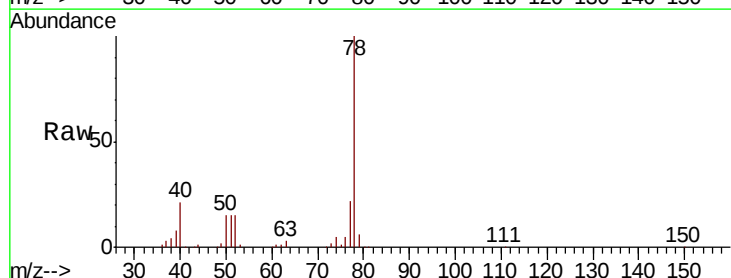
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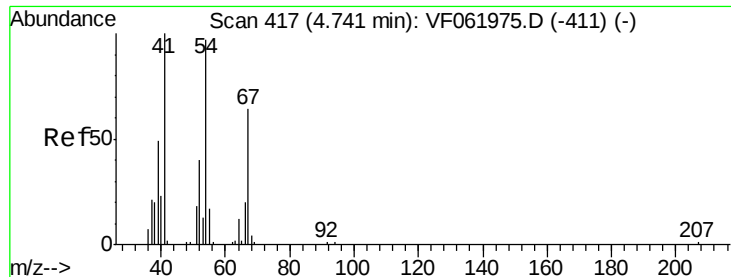
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#40
Benzene
Concen: 19.808 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion	78	Resp	188363
Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.0	28.4





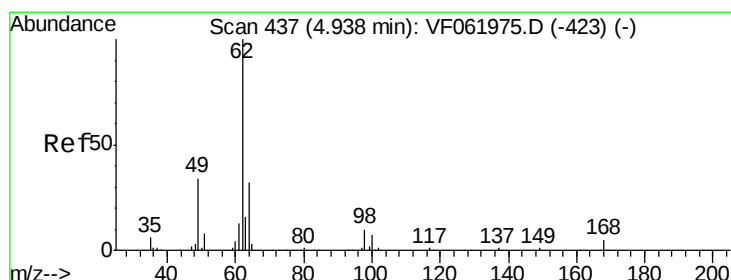
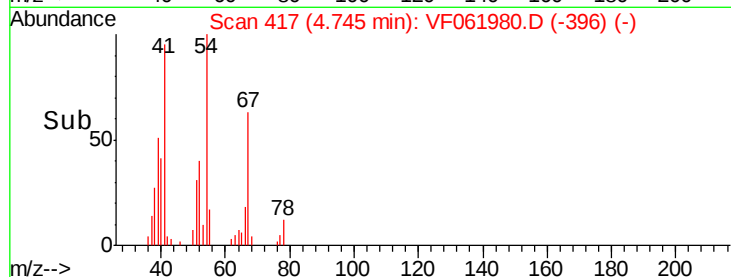
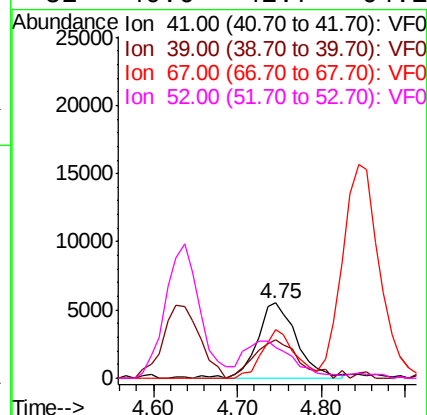
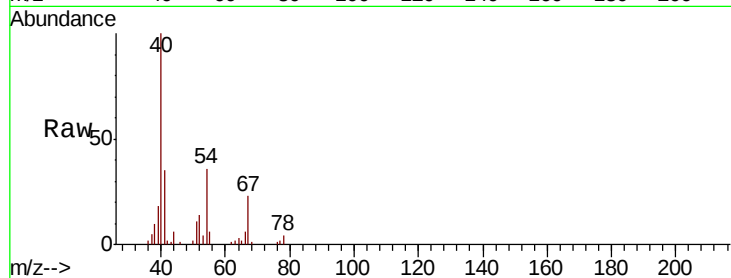
#41
Methacrylonitrile
Concen: 21.033 ug/l
RT: 4.75 min Scan# 417
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.8	46.2	69.4
67	64.4	49.8	74.8
52	40.6	42.7	64.1#

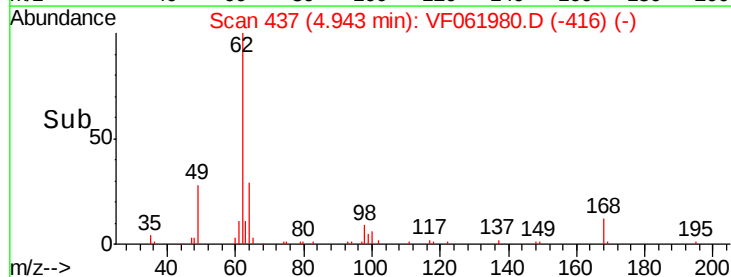
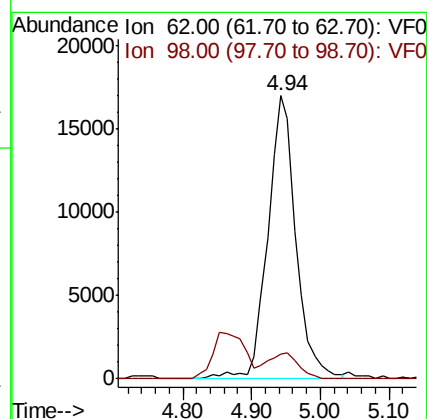
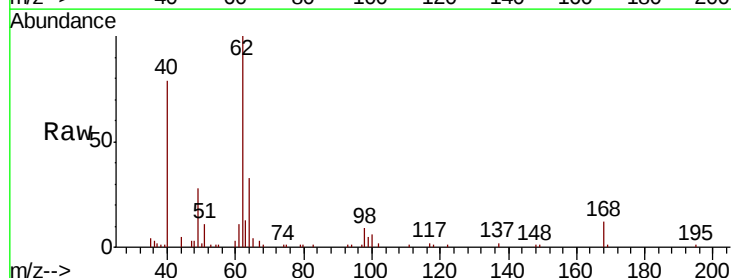
Manual Integrations
APPROVED

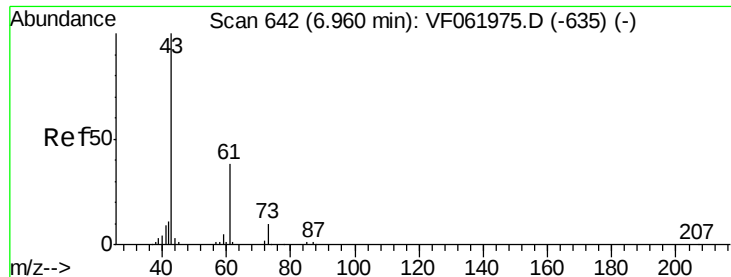
MMDadoda
3/22/2019 6:19:22 PM



#42
1,2-Dichloroethane
Concen: 20.446 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.8





#43

Isopropyl Acetate

Concen: 17.981 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

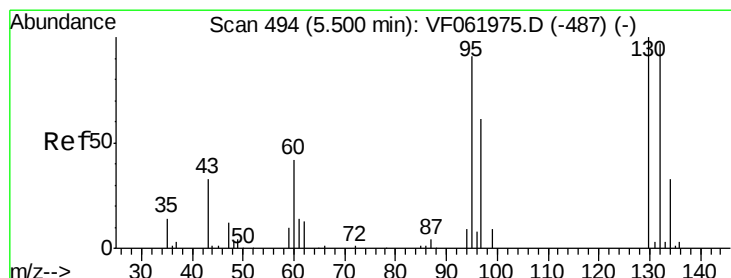
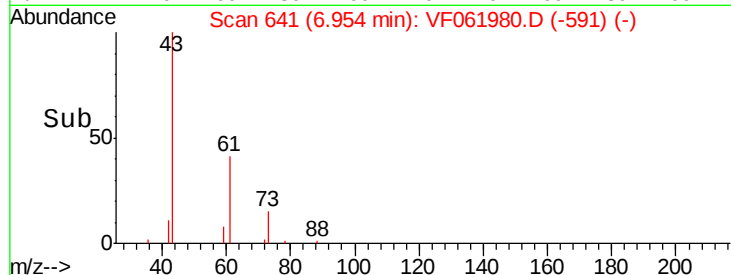
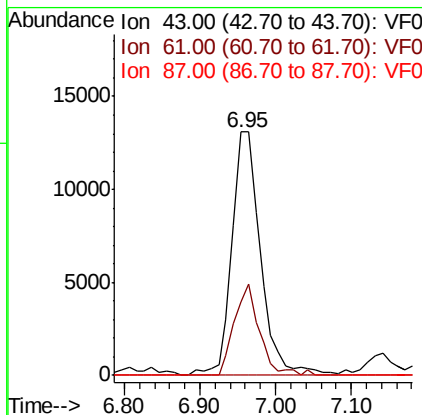
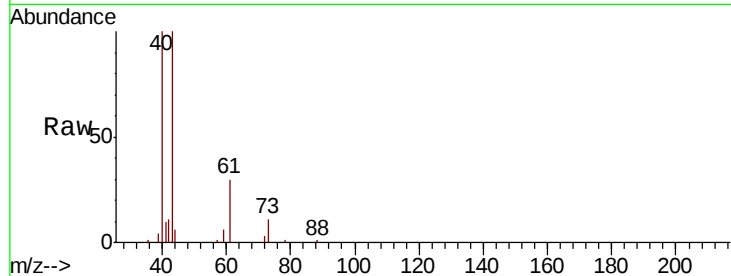
ClientSampleId :

VF0316SBS01

Tot Ion:	43	Resp:	34282
Ion	Ratio	Lower	Upper
43	100		
61	30.0	30.1	45.1#
87	0.0	0.4	0.6#

Manual Integrations
APPROVED

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#44

Trichloroethene

Concen: 20.882 ug/l

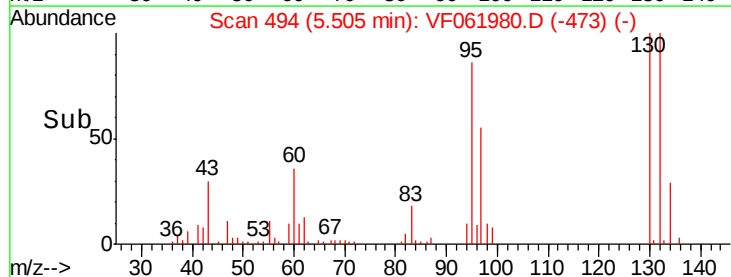
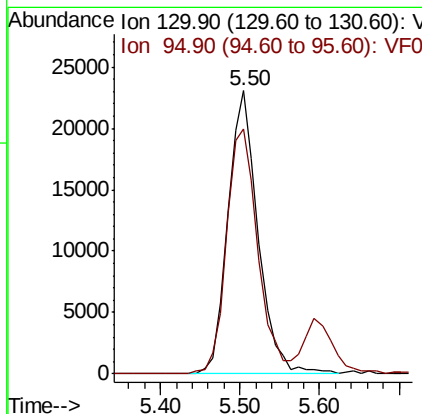
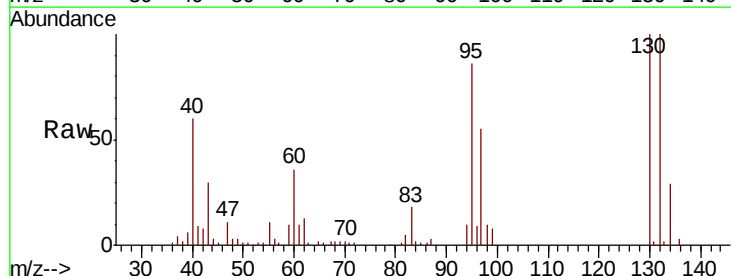
RT: 5.50 min Scan# 494

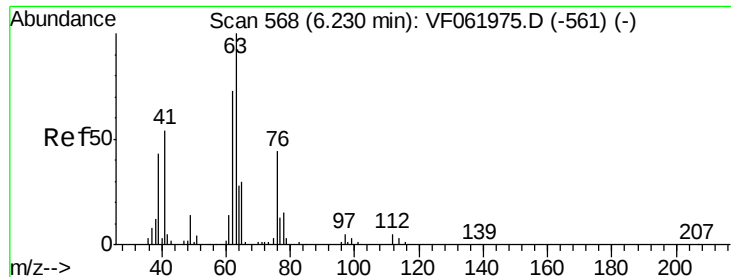
Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Tgt Ion:	130	Resp:	60829
Ion	Ratio	Lower	Upper
130	100		
95	86.5	0.0	181.4





#45

1,2-Dichloropropane

Concen: 19.910 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion: 63 Resp: 44807

Ion Ratio Lower Upper

63 100

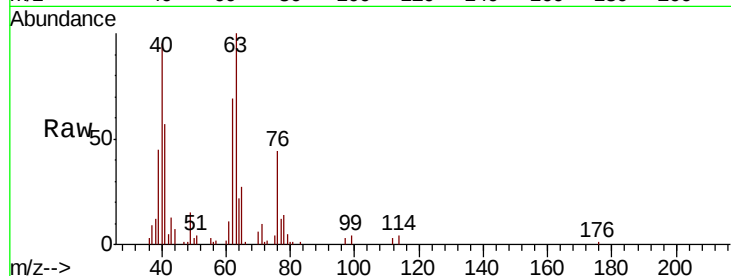
65 27.3 23.7 35.5

Manual Integrations

APPROVED

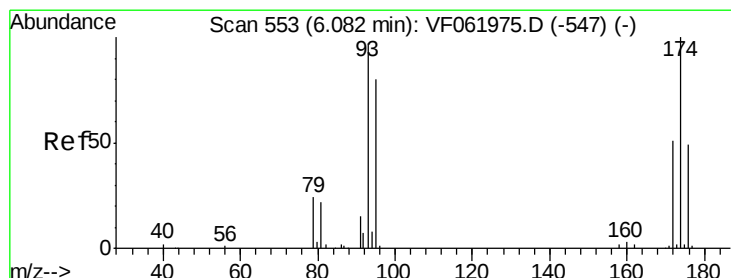
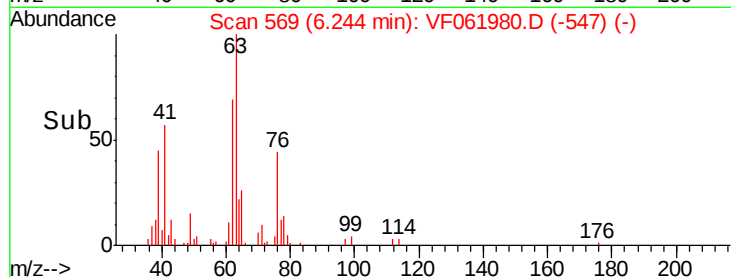
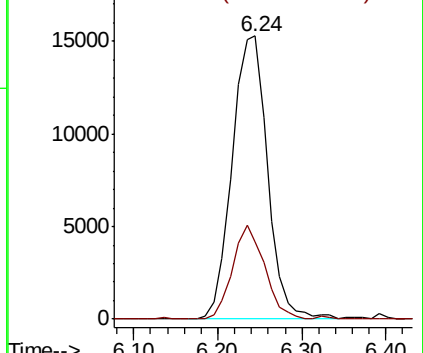
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 19.197 ug/l

RT: 6.09 min Scan# 553

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

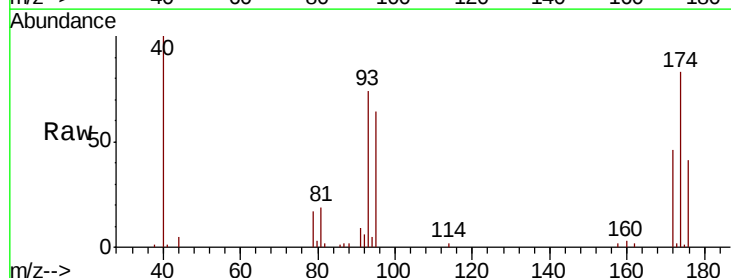
Tgt Ion: 93 Resp: 25700

Ion Ratio Lower Upper

93 100

95 86.7 65.7 98.5

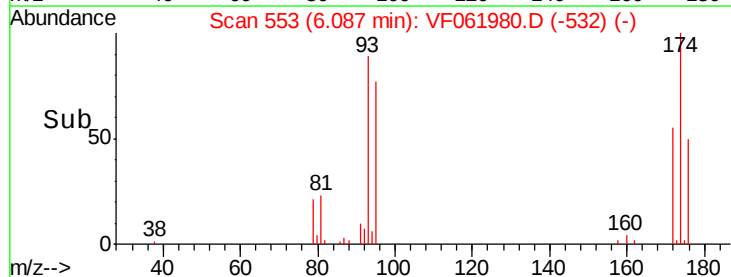
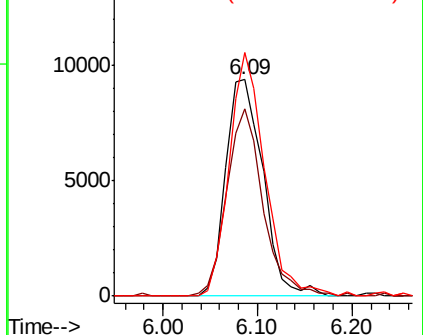
174 112.5 82.2 123.4

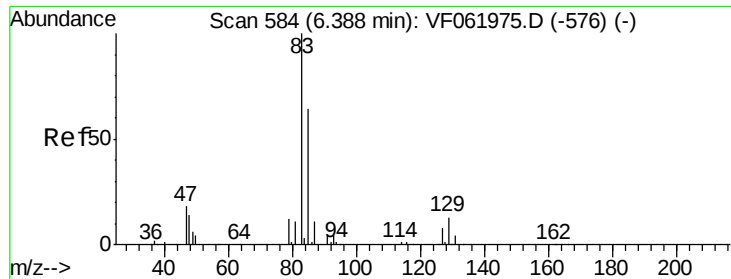


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 19.519 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

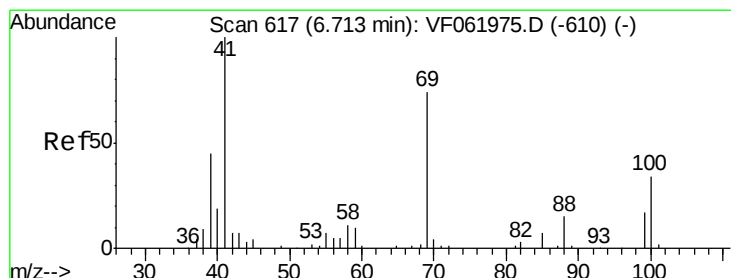
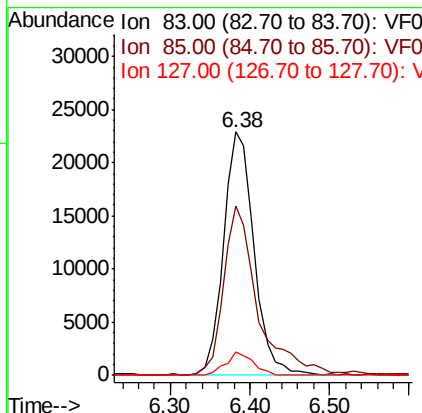
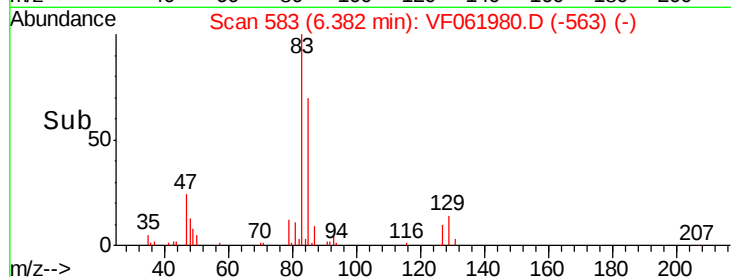
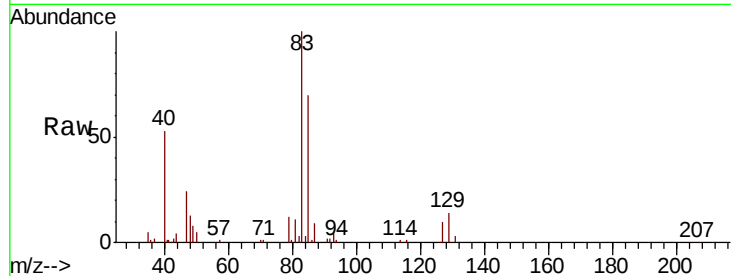
ClientSampleId :

VF0316SBS01

Tot Ion:	83	Resp:	61605
Ion Ratio	Lower	Upper	
83	100		
85	69.7	51.4	77.2
127	9.8	6.5	9.7#

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.089 ug/l

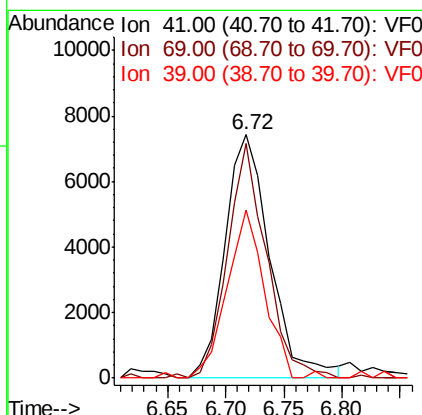
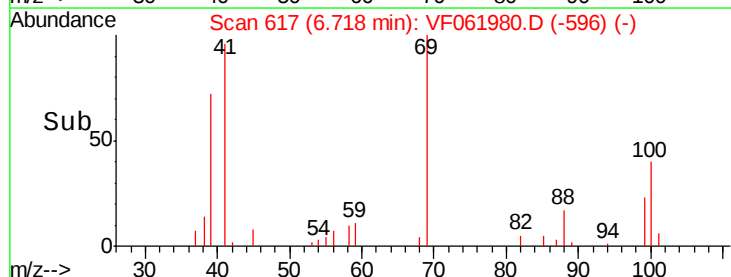
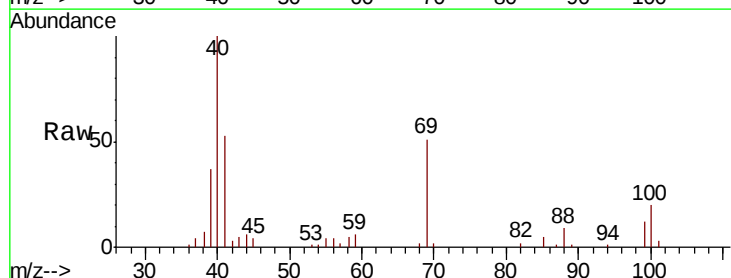
RT: 6.72 min Scan# 617

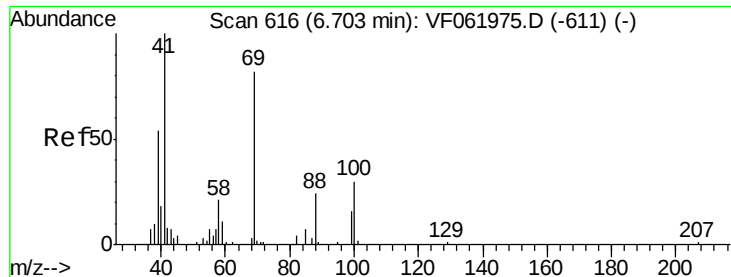
Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Tgt Ion:	41	Resp:	19824
Ion Ratio	Lower	Upper	
41	100		
69	96.2	59.0	88.6#
39	68.9	35.6	53.4#





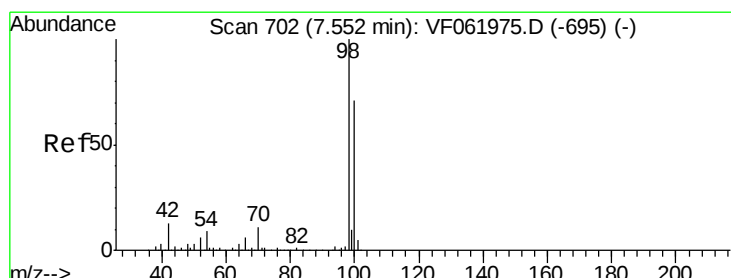
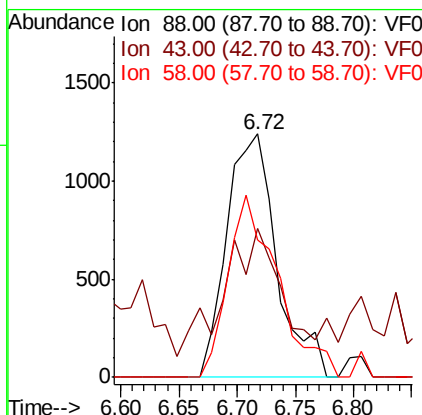
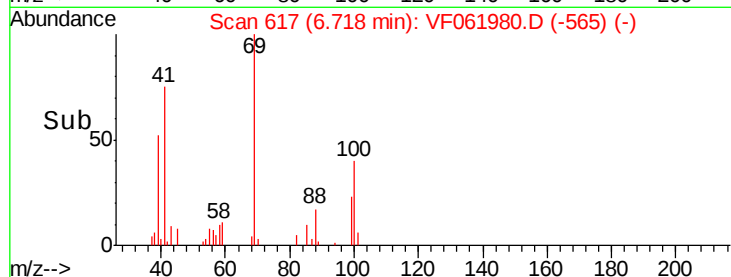
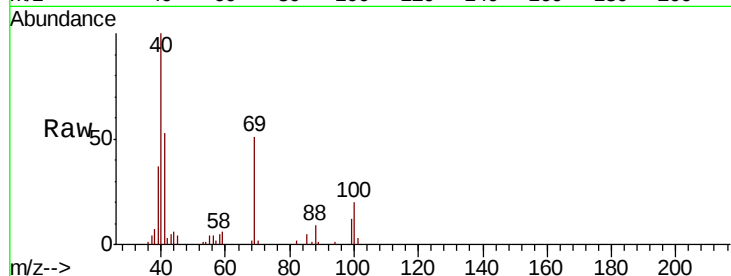
#49
1,4-Dioxane
Concen: 336.763 ug/l
RT: 6.72 min Scan# 617
Delta R.T. 0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	3691		
43	61.2		31.2	46.8#
58	56.3		69.9	104.9#

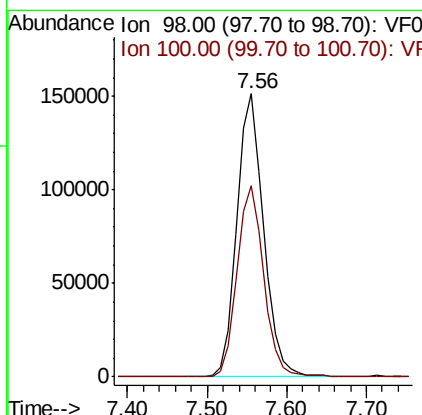
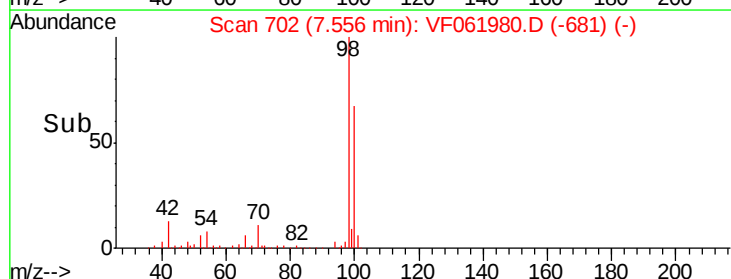
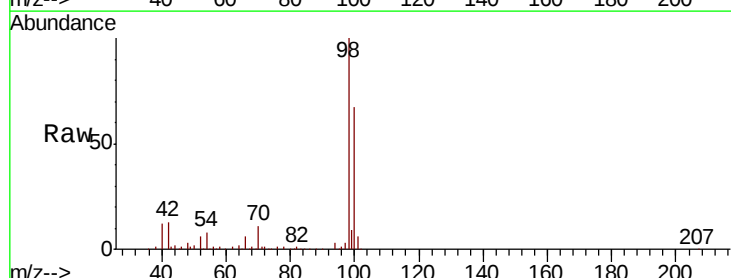
Manual Integrations
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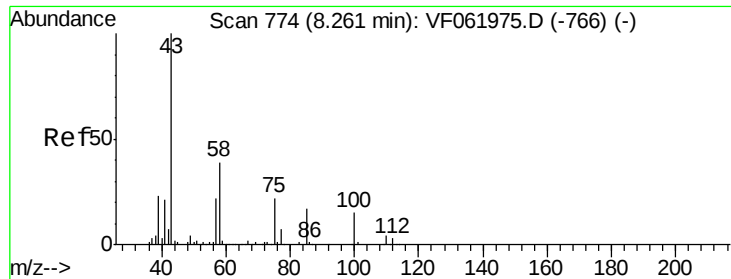
MMDadoda
3/22/2019 6:19:22 PM



#50
Toluene-d8
Concen: 45.219 ug/l
RT: 7.56 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	352767		
100	67.4		56.8	85.2





#51

4-Methyl-2-Pentanone

Concen: 97.291 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion: 43 Resp: 131717

Ion Ratio Lower Upper

43 100

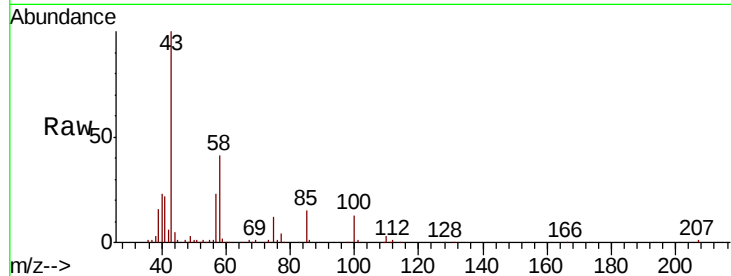
58 41.3 31.1 46.7

Manual Integrations

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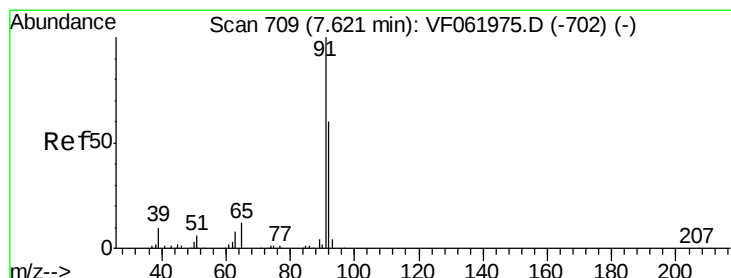
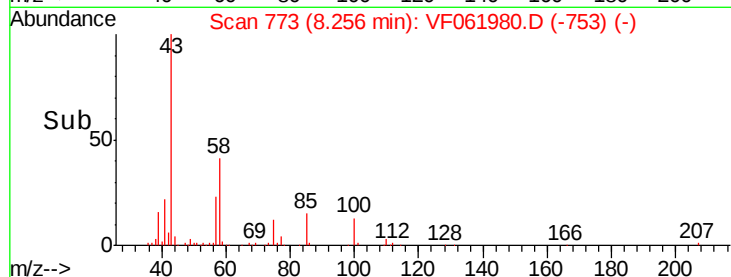
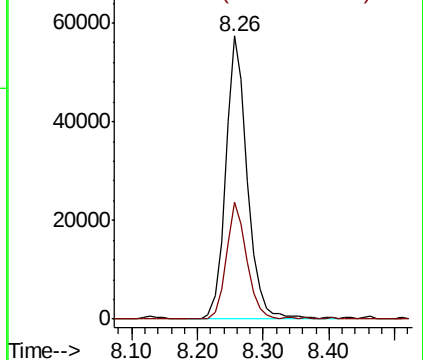
MMDadoda

3/22/2019 6:19:22 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.113 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061980.D

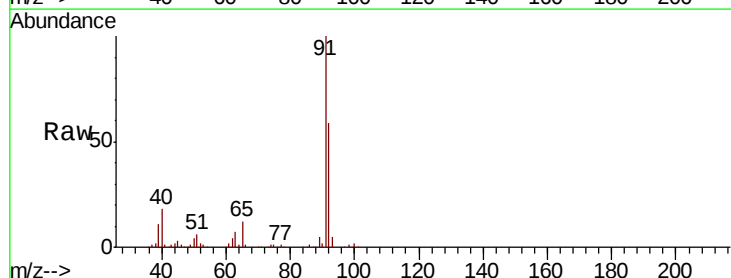
Acq: 16 Mar 2019 17:30

Tgt Ion: 92 Resp: 111050

Ion Ratio Lower Upper

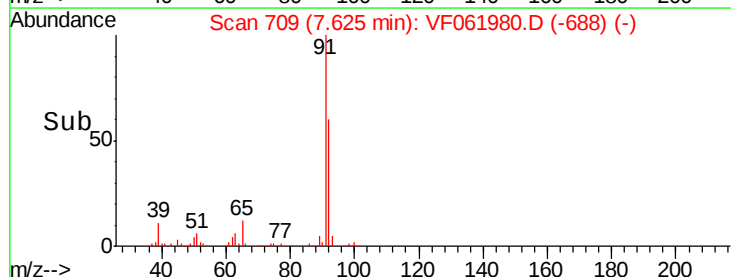
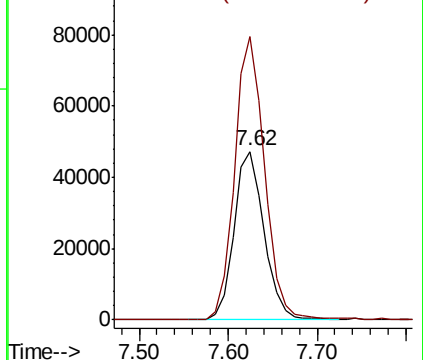
92 100

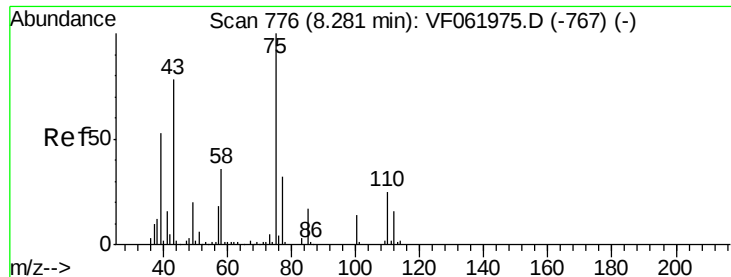
91 168.1 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





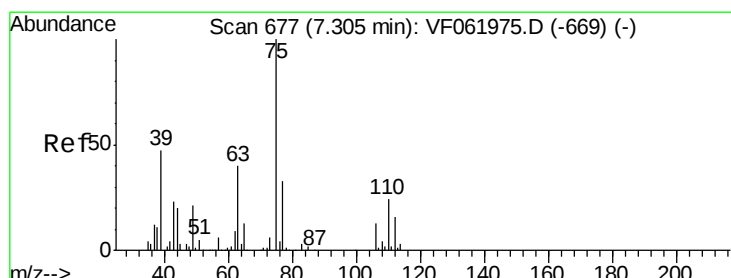
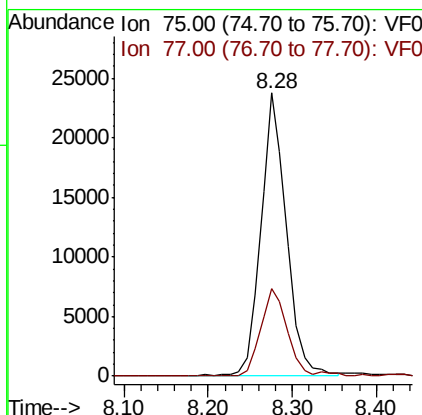
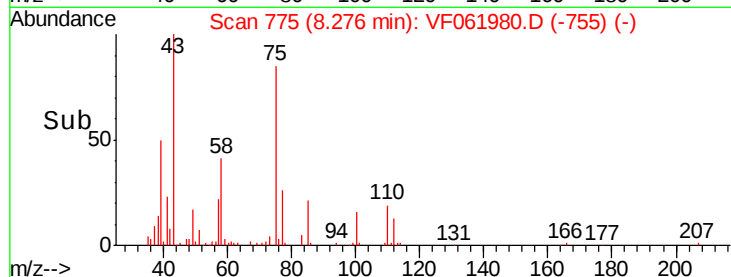
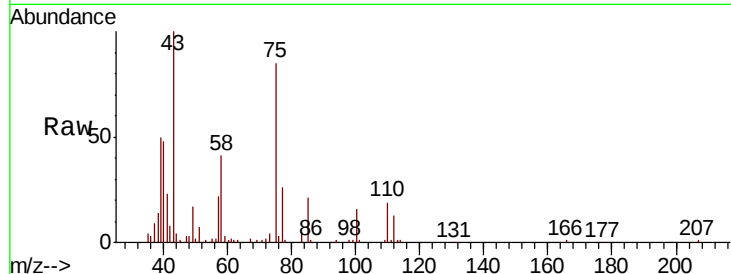
#53
t-1,3-Dichloropropene
Concen: 18.987 ug/l
RT: 8.28 min Scan# 775
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion: 75 Resp: 50592
Ion Ratio Lower Upper
75 100
77 30.8 25.5 38.3

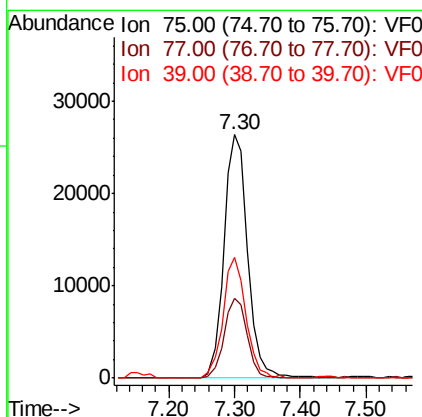
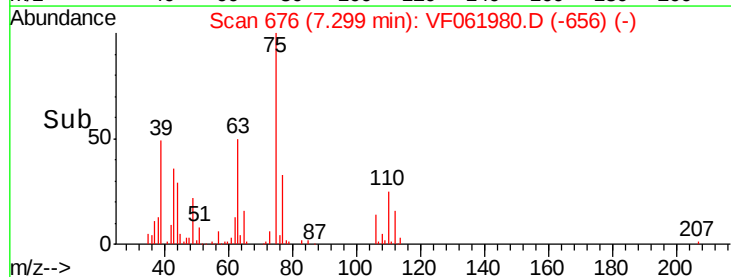
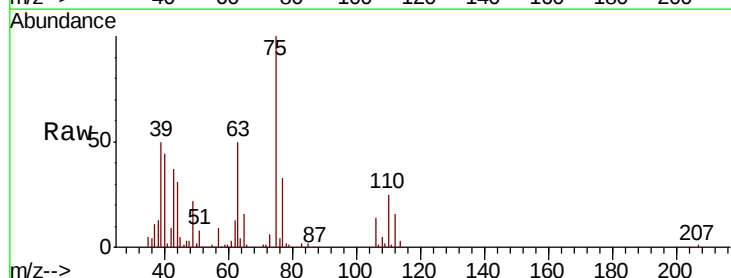
Manual Integrations
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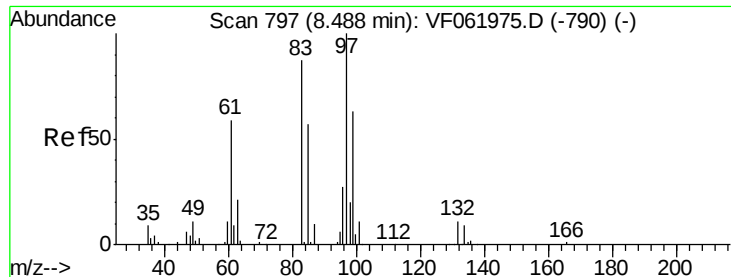
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.087 ug/l
RT: 7.30 min Scan# 676
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion: 75 Resp: 66363
Ion Ratio Lower Upper
75 100
77 32.9 26.4 39.6
39 49.5 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 19.939 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

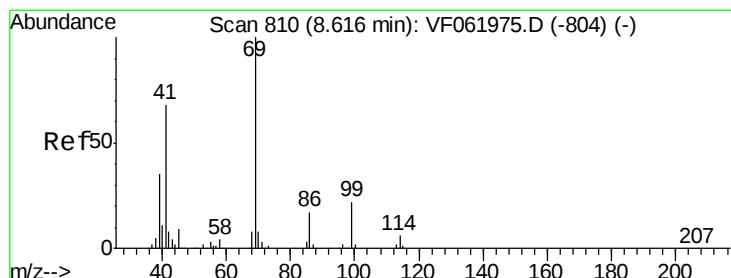
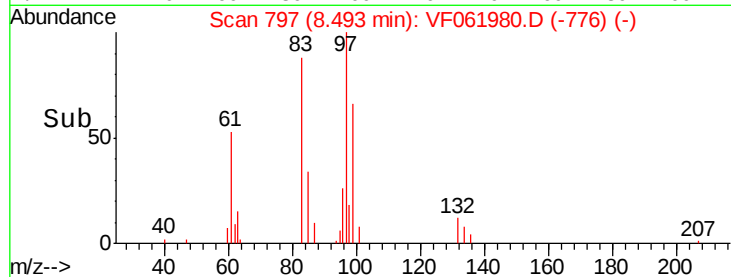
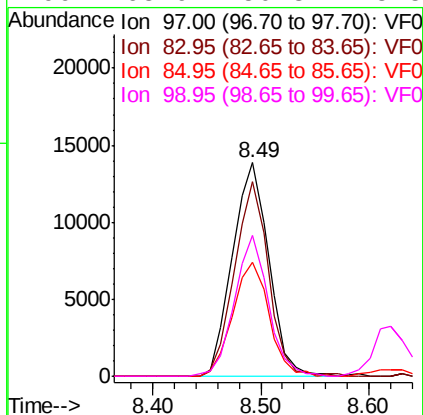
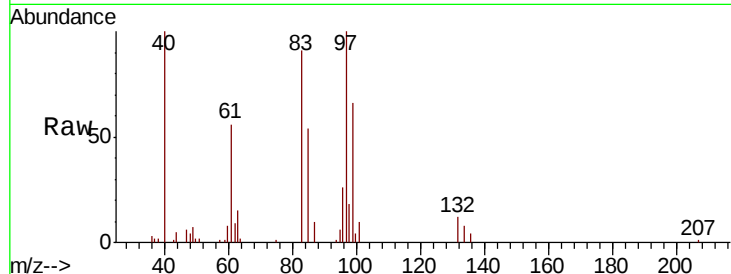
ClientSampleId :

VF0316SBS01

Tot Ion:	97	Resp:	32333
Ion	Ratio	Lower	Upper
97	100		
83	91.4	69.7	104.5
85	53.6	45.8	68.6
99	65.9	50.3	75.5

Manual Integrations
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3/22/2019 6:19:22 PM



#56

Ethyl methacrylate

Concen: 19.057 ug/l

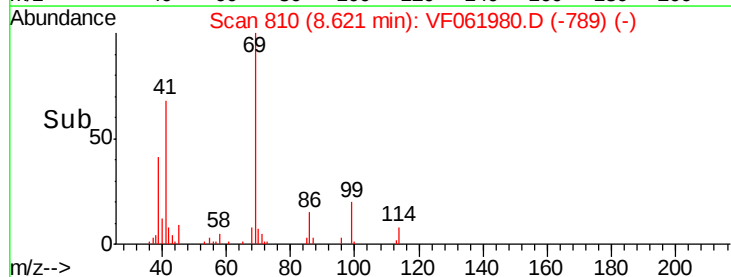
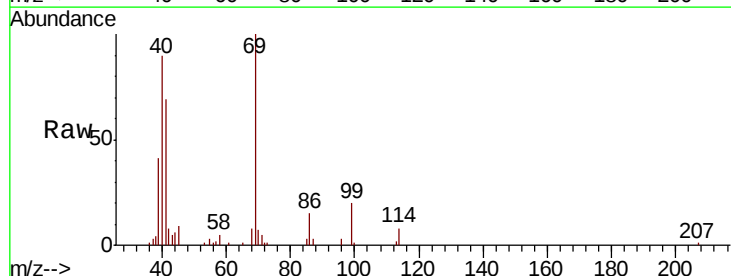
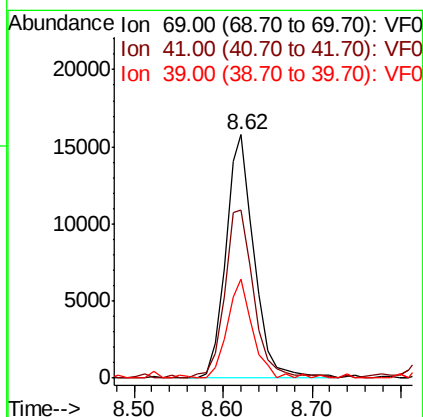
RT: 8.62 min Scan# 810

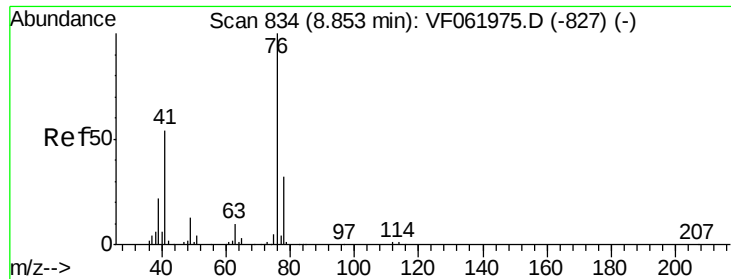
Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Tgt Ion:	69	Resp:	35130
Ion	Ratio	Lower	Upper
69	100		
41	69.3	54.7	82.1
39	40.5	27.9	41.9





#57

1,3-Dichloropropane

Concen: 19.410 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion: 76 Resp: 52504

Ion Ratio Lower Upper

76 100

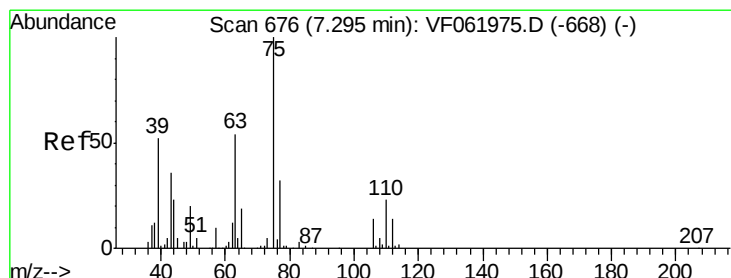
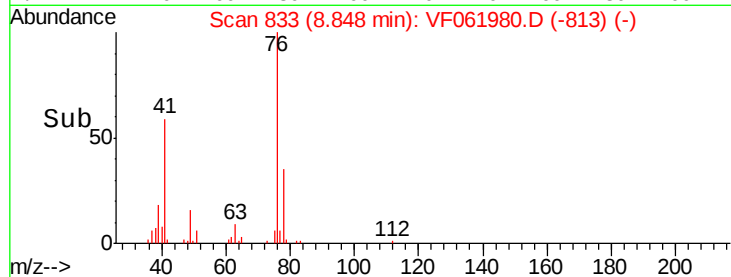
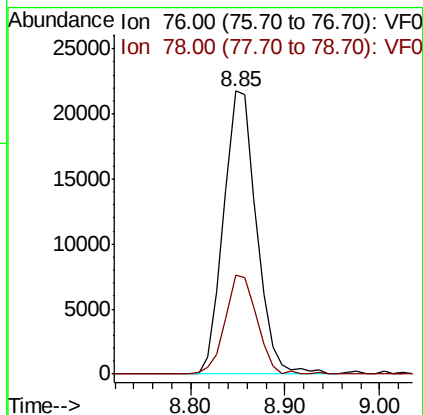
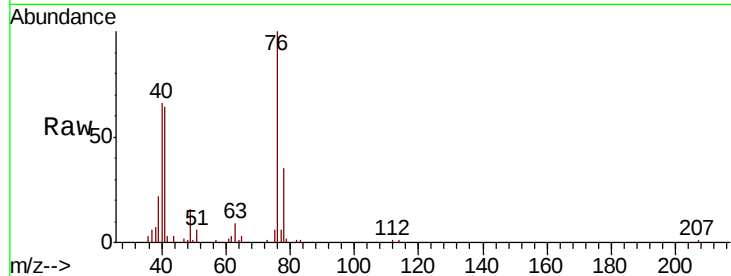
78 35.0 25.4 38.2

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#58

2-Chloroethyl Vinyl ether

Concen: 99.074 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061980.D

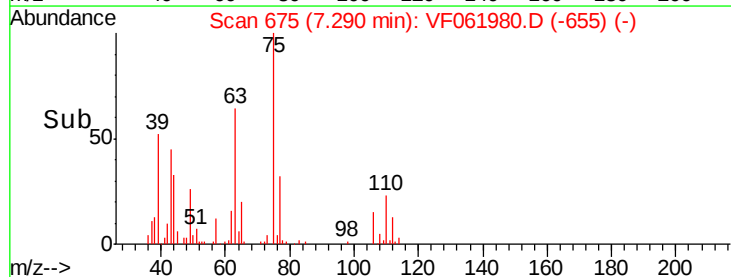
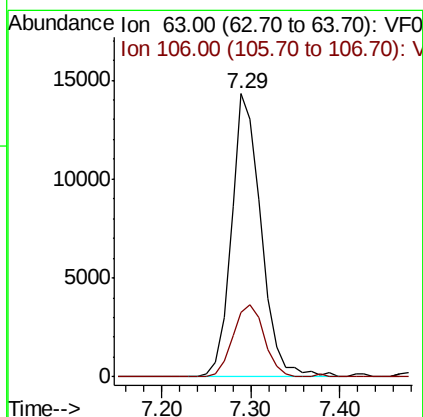
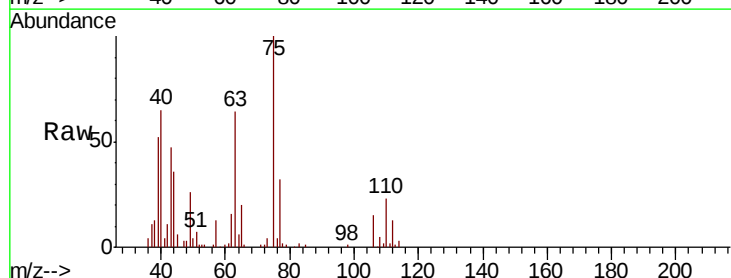
Acq: 16 Mar 2019 17:30

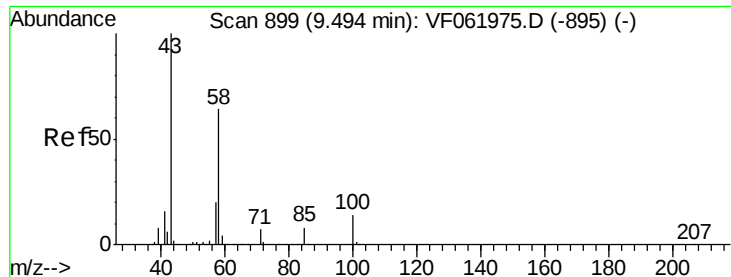
Tgt Ion: 63 Resp: 33080

Ion Ratio Lower Upper

63 100

106 23.0 20.9 31.3





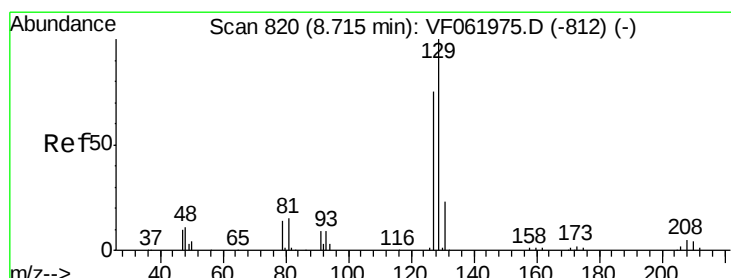
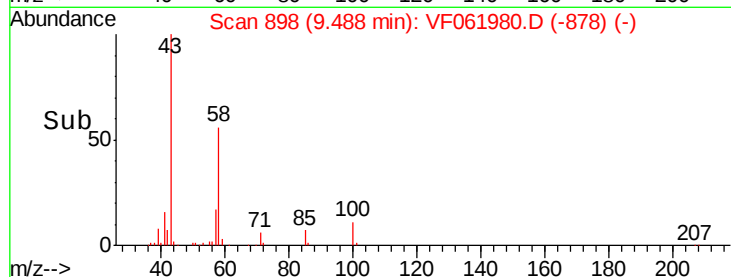
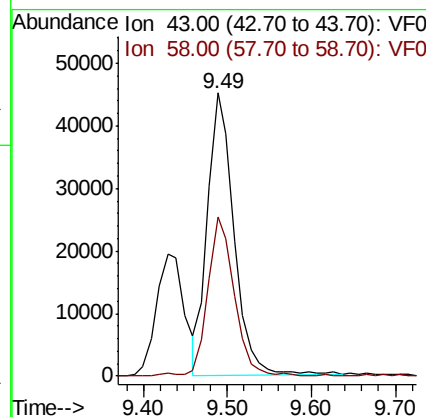
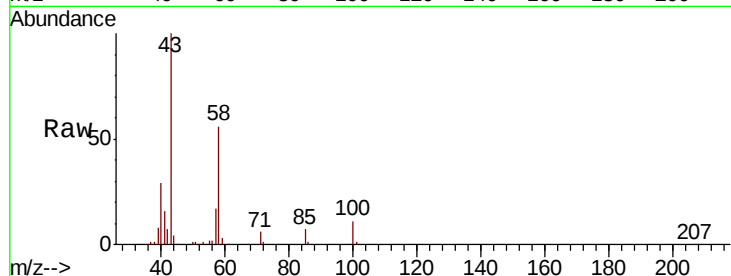
#59
2-Hexanone
Concen: 100.683 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion: 43 Resp: 98648
Ion Ratio Lower Upper
43 100
58 56.5 28.4 85.2

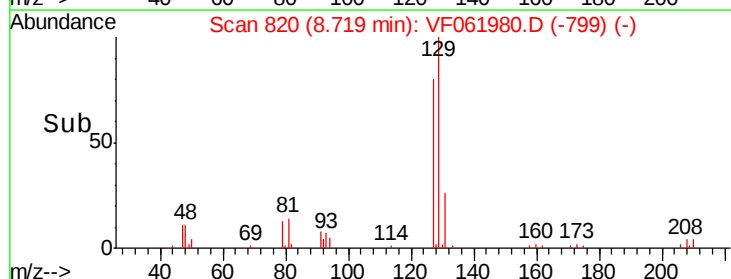
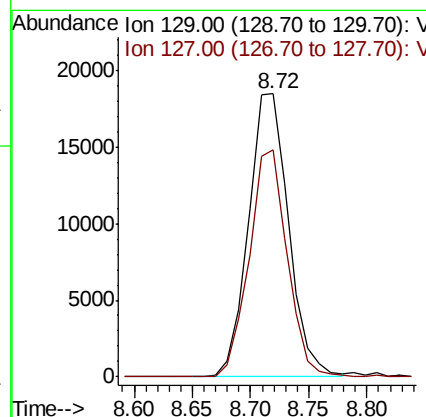
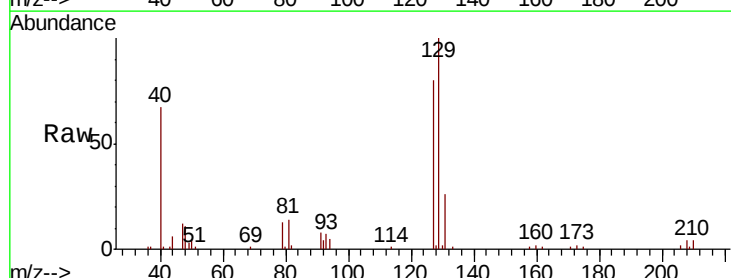
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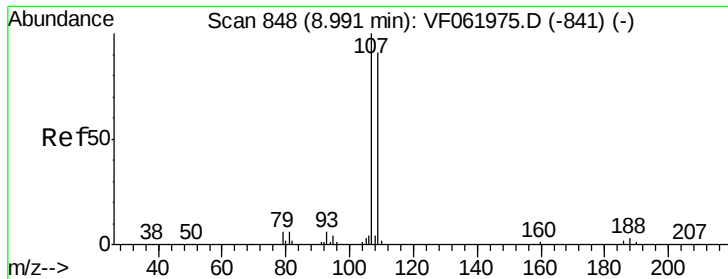
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#60
Dibromochloromethane
Concen: 19.602 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion: 129 Resp: 44129
Ion Ratio Lower Upper
129 100
127 82.5 37.3 111.8





#61

1,2-Dibromoethane

Concen: 19.885 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion:107 Resp: 34589

Ion Ratio Lower Upper

107 100

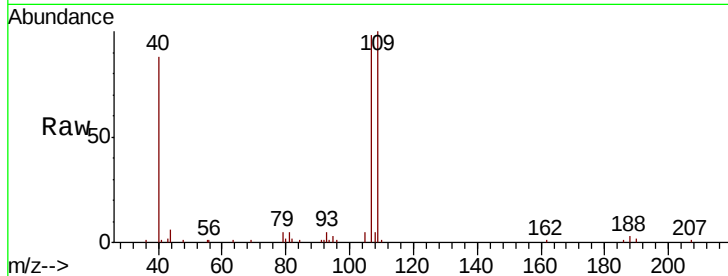
109 101.6 72.8 109.2

Manual Integrations

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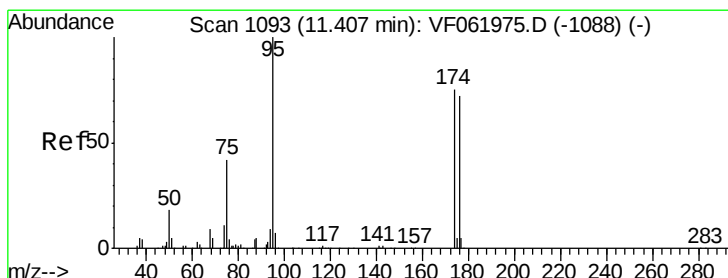
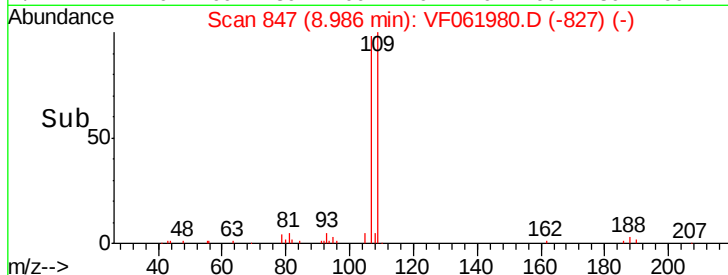
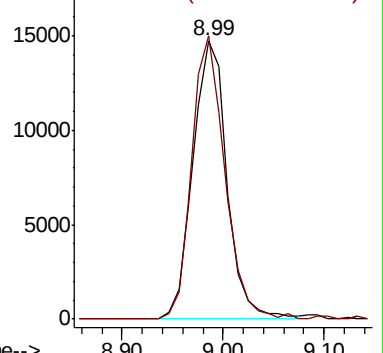
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.940 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

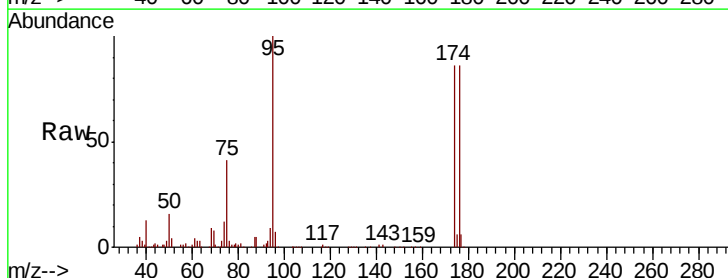
Tgt Ion: 95 Resp: 148572

Ion Ratio Lower Upper

95 100

174 86.0 0.0 149.4

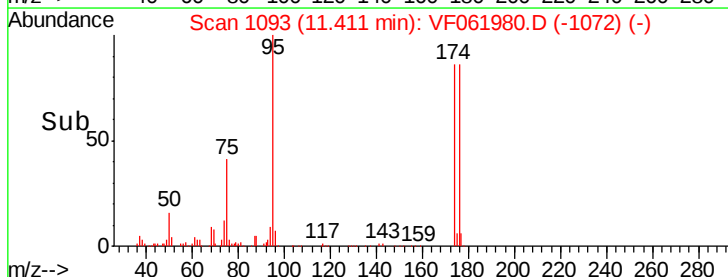
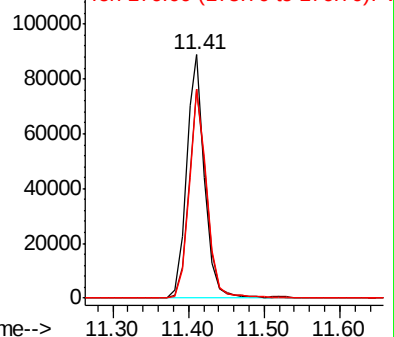
176 85.8 0.0 143.4

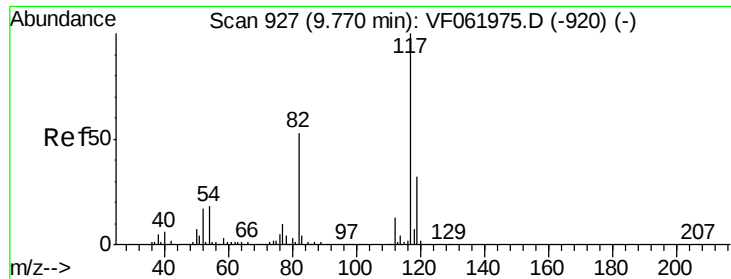


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





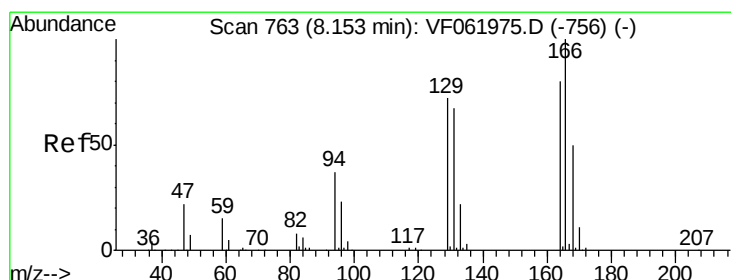
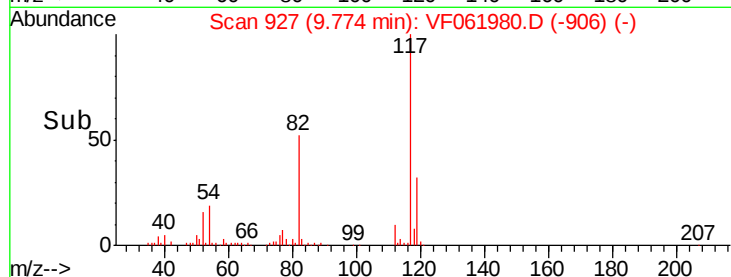
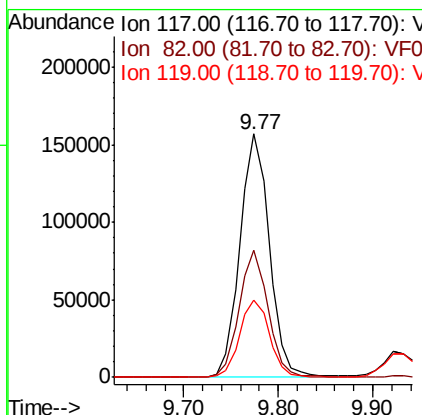
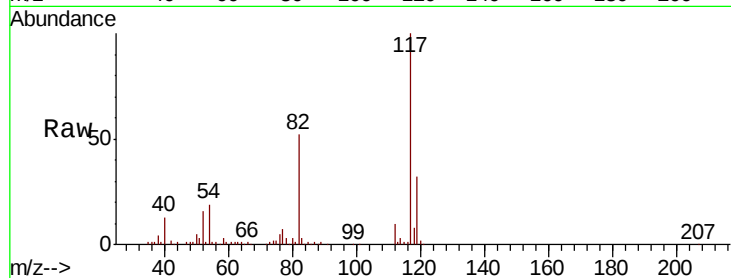
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	339965		
82	52.3		42.5	63.7
119	31.8		25.4	38.0

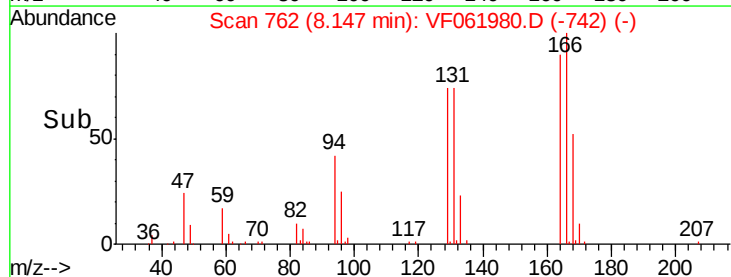
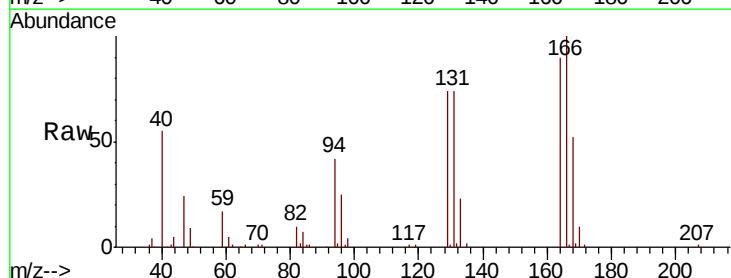
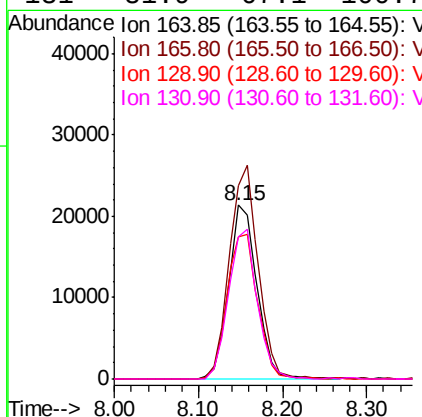
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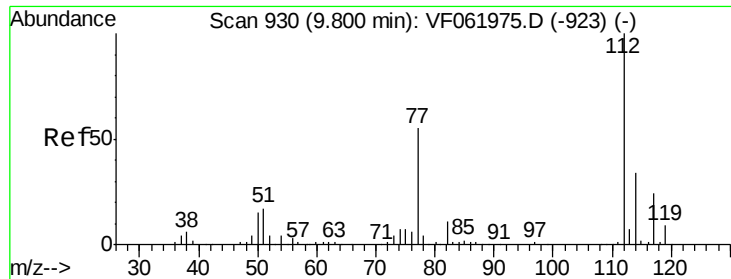
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#64
Tetrachloroethene
Concen: 20.281 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50117		
166	110.8		100.0	150.0
129	81.9		72.4	108.6
131	81.9		67.1	100.7





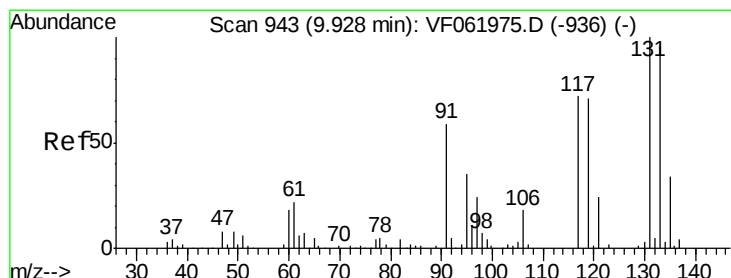
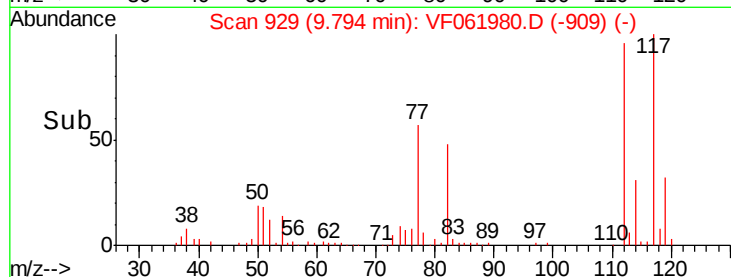
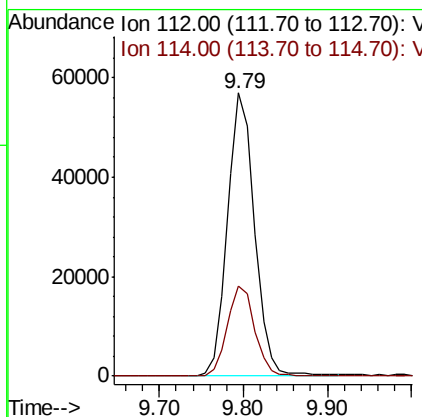
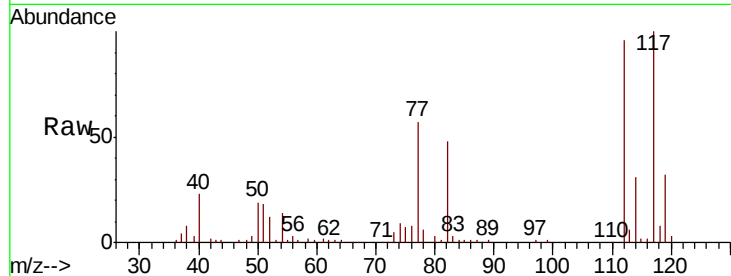
#65
Chlorobenzene
Concen: 20.160 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion:112 Resp: 127605
Ion Ratio Lower Upper
112 100
114 32.1 26.9 40.3

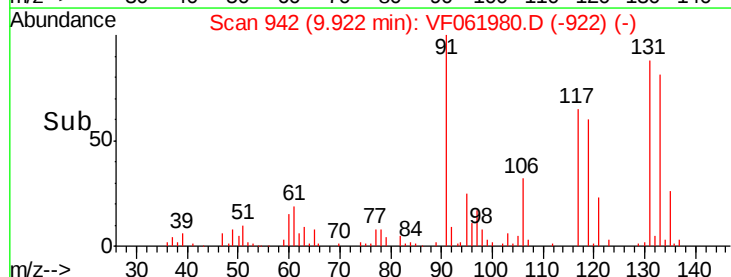
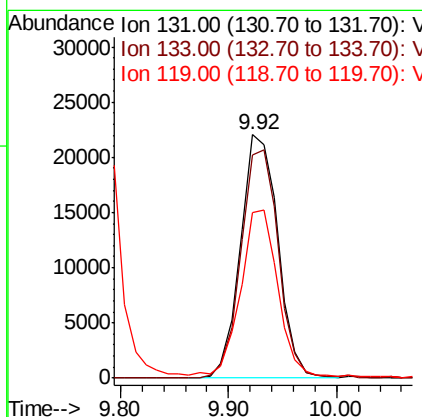
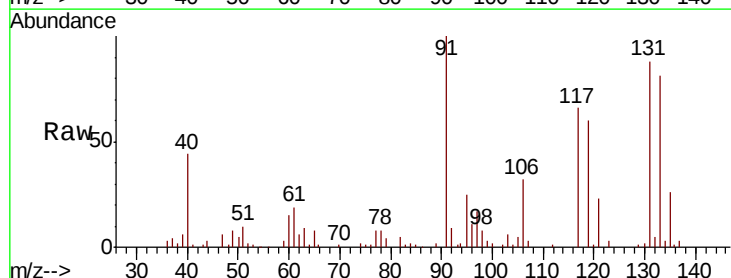
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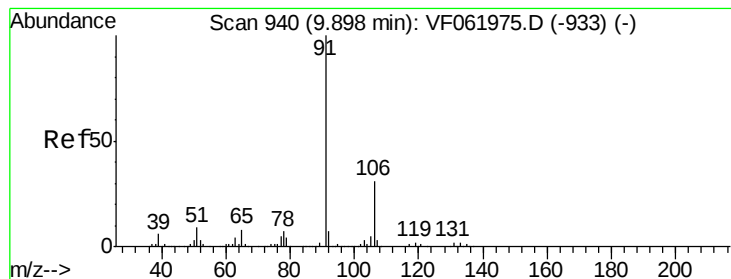
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.663 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion:131 Resp: 53150
Ion Ratio Lower Upper
131 100
133 91.8 48.0 144.2
119 68.0 35.9 107.7





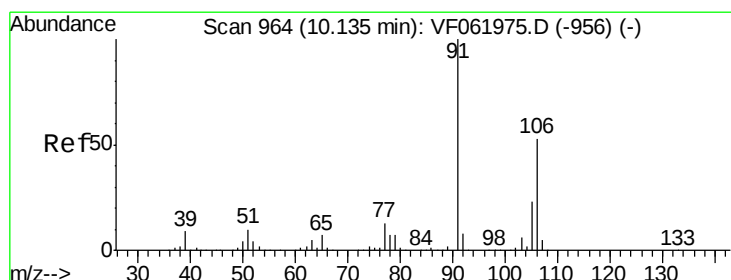
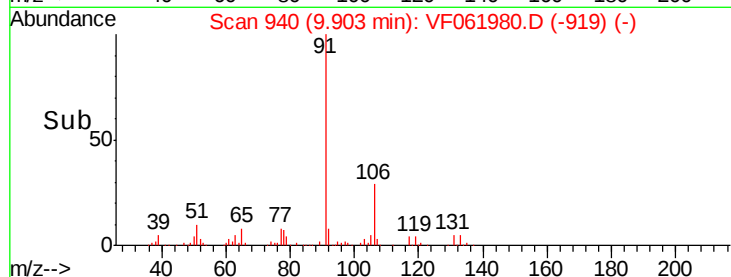
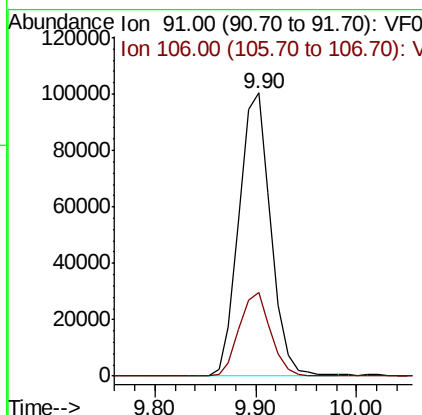
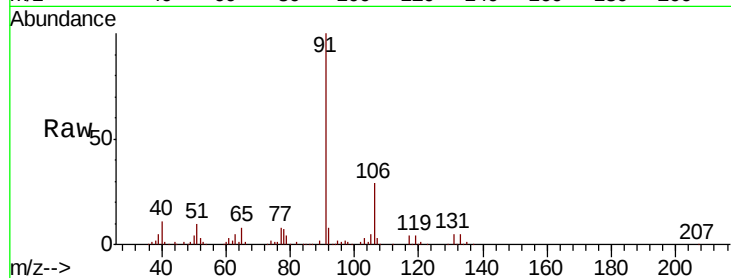
#67
Ethyl Benzene
Concen: 20.362 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion: 91 Resp: 220675
Ion Ratio Lower Upper
91 100
106 29.4 24.4 36.6

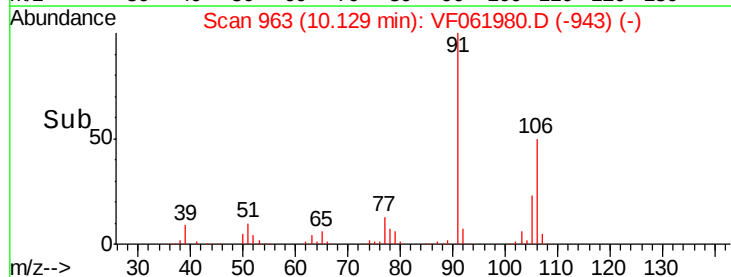
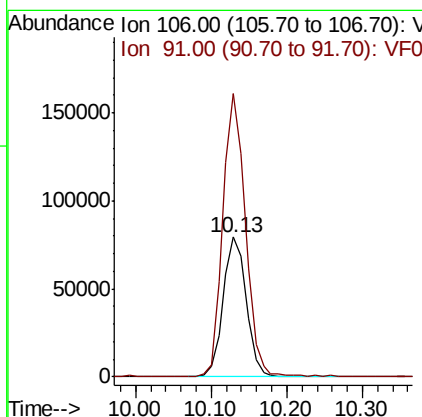
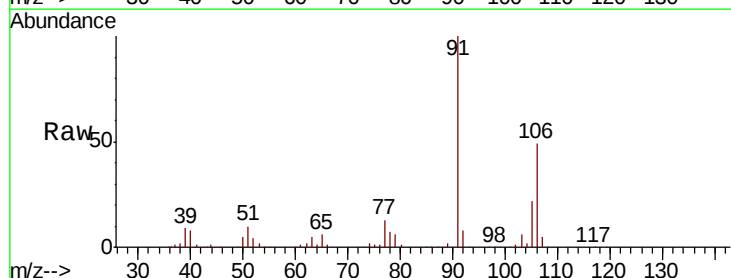
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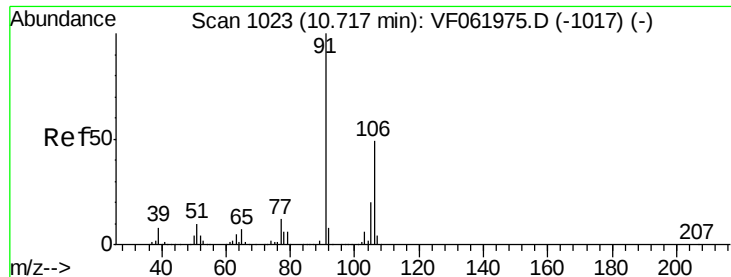
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#68
m/p-Xylenes
Concen: 41.635 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion: 106 Resp: 169707
Ion Ratio Lower Upper
106 100
91 202.5 151.9 227.9





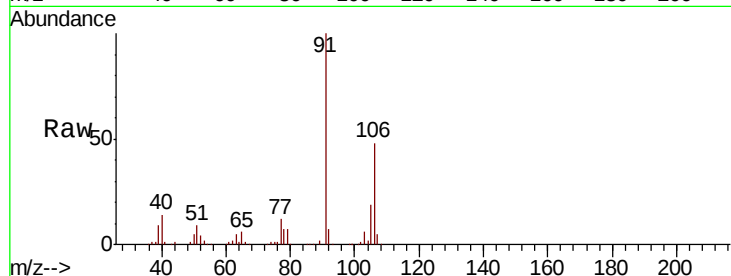
#69
o-Xylene
Concen: 20.084 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

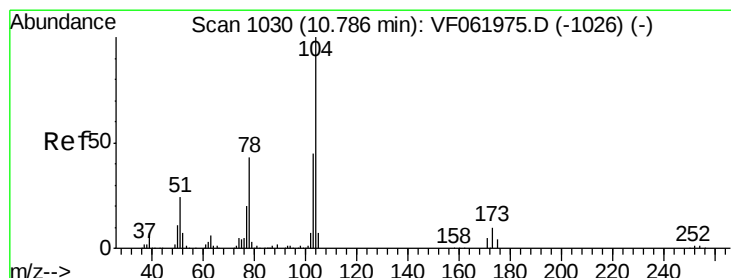
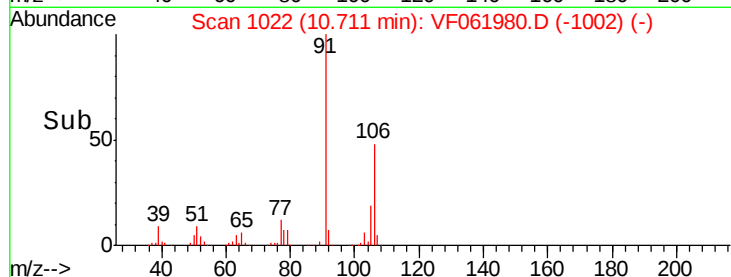
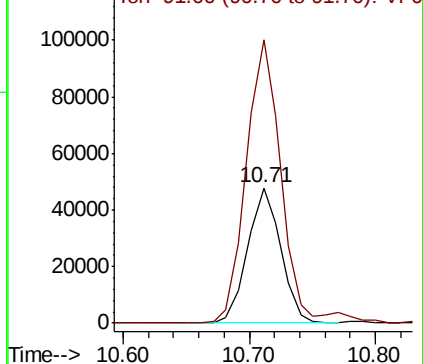
Tot Ion:106 Resp: 87596
Ion Ratio Lower Upper
106 100
91 209.8 102.3 306.8

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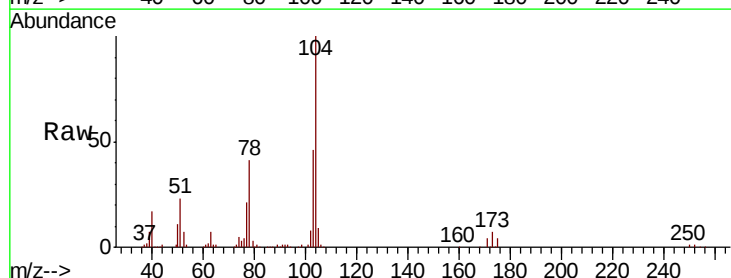


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

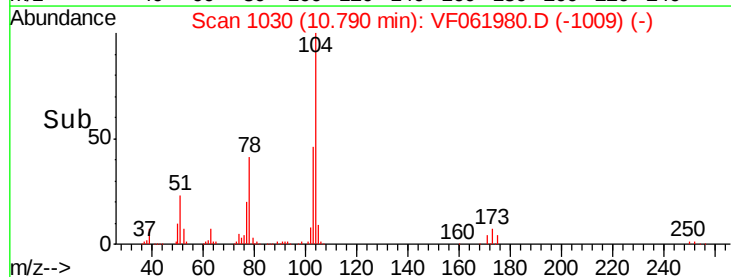
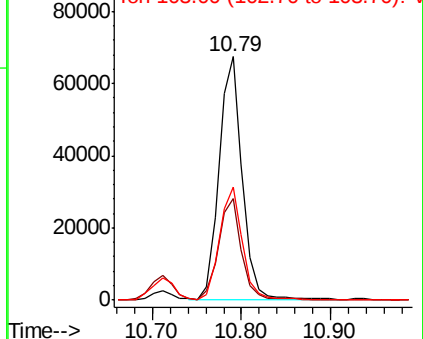


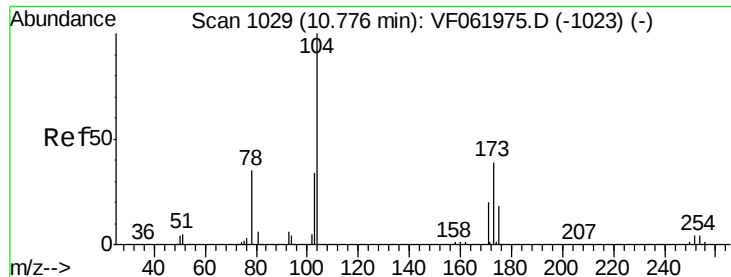
#70
Styrene
Concen: 20.241 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion:104 Resp: 122304
Ion Ratio Lower Upper
104 100
78 41.5 34.7 52.1
103 46.3 36.6 54.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.962 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

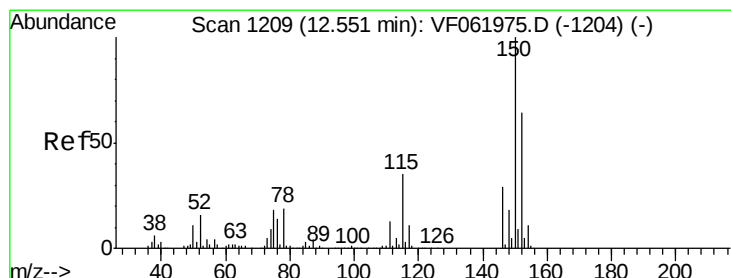
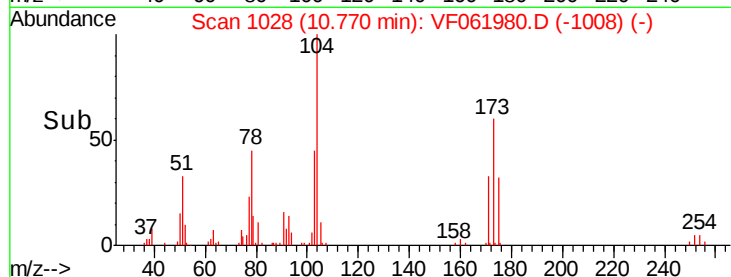
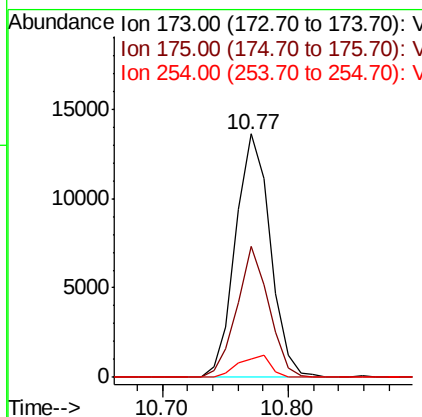
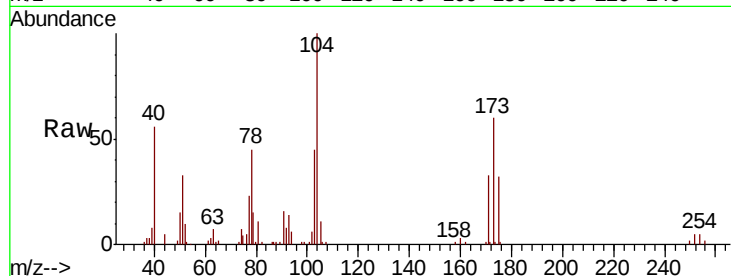
ClientSampleId :

VF0316SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	53.7	23.7	71.1
254	7.5	7.8	11.8

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

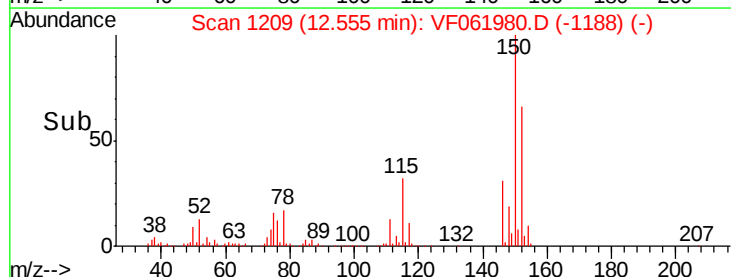
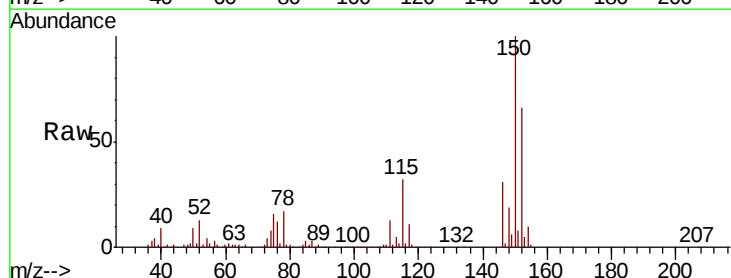
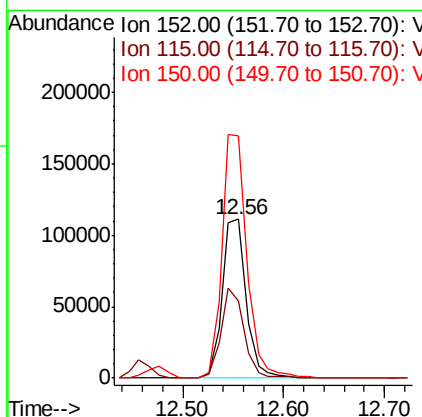
RT: 12.56 min Scan# 1209

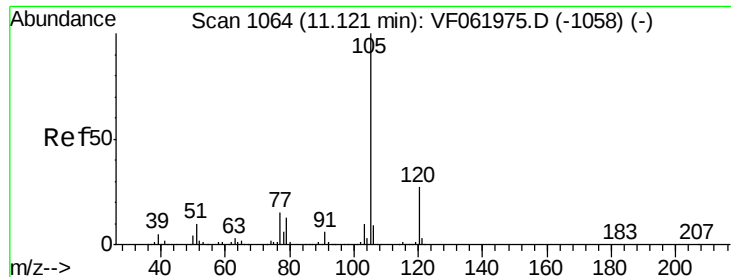
Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.1	27.3	81.9
150	152.5	0.0	316.2





#73

Isopropylbenzene

Concen: 20.232 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion:105 Resp: 258365

Ion Ratio Lower Upper

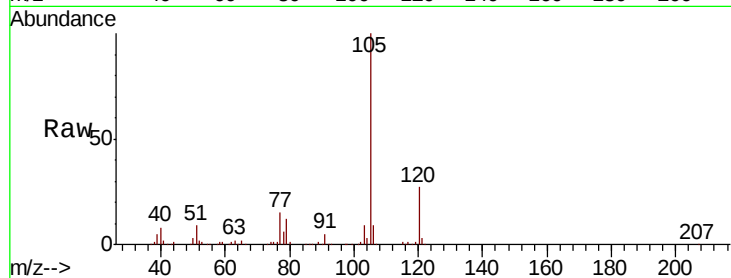
105 100

120 27.2 13.8 41.3

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.13

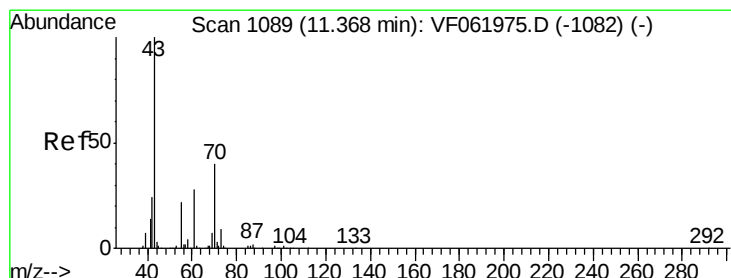
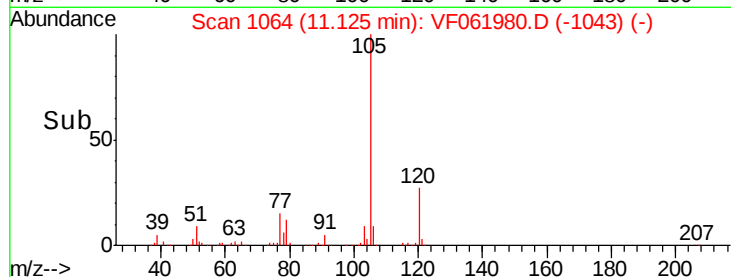
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.517 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Tgt Ion: 43 Resp: 60036

Ion Ratio Lower Upper

43 100

70 34.7 31.9 47.9

55 21.5 17.9 26.9

61 29.8 22.2 33.2

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

60000

50000

40000

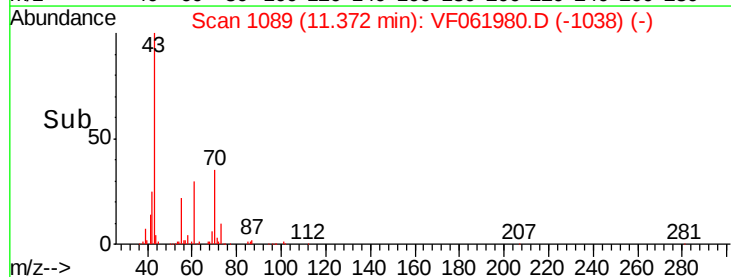
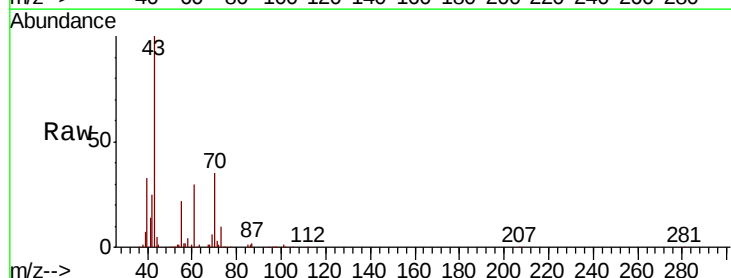
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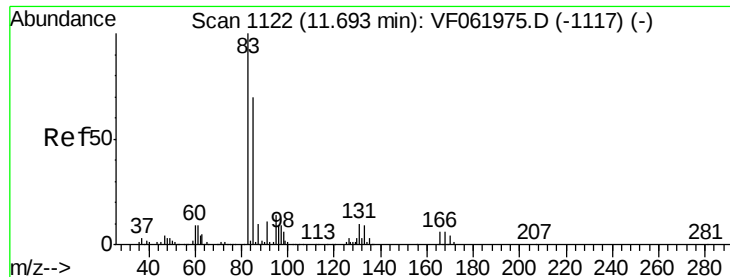
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.330 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

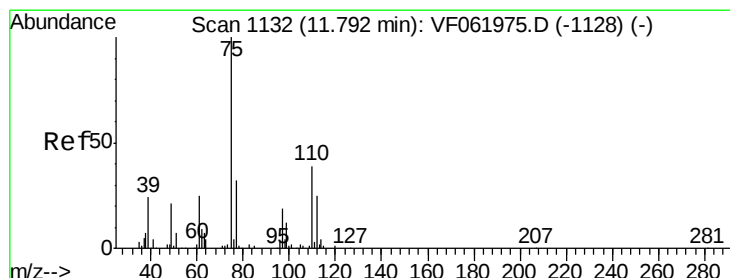
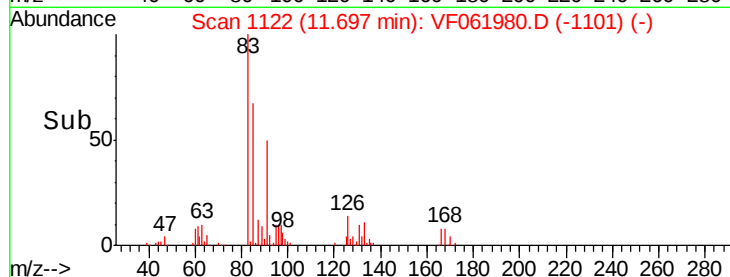
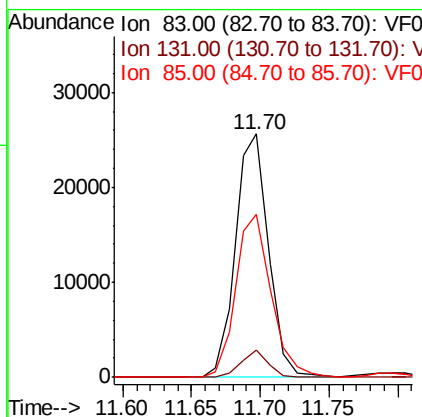
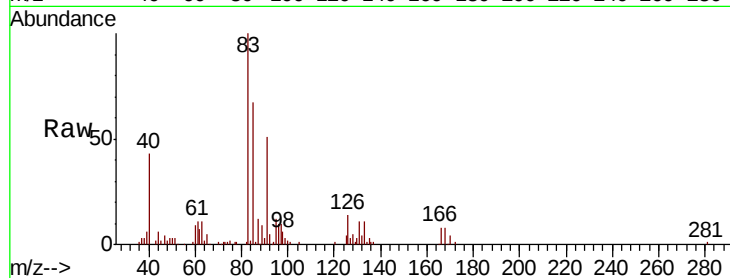
ClientSampleId :

VF0316SBS01

Tot Ion:	83	Resp:	42853
Ion Ratio	Lower	Upper	
83	100		
131	11.4	4.9	14.7
85	66.8	35.3	105.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.552 ug/l

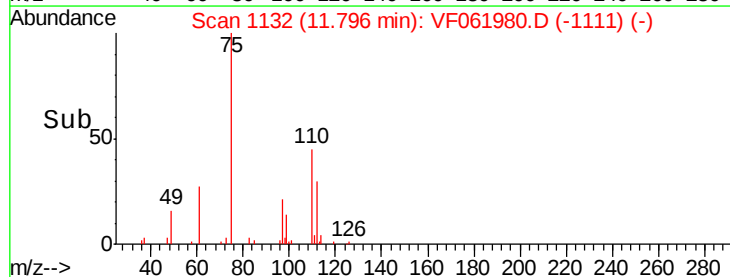
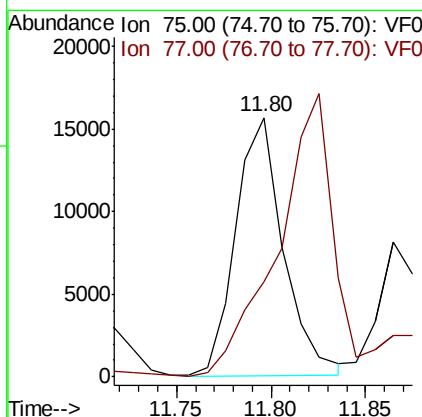
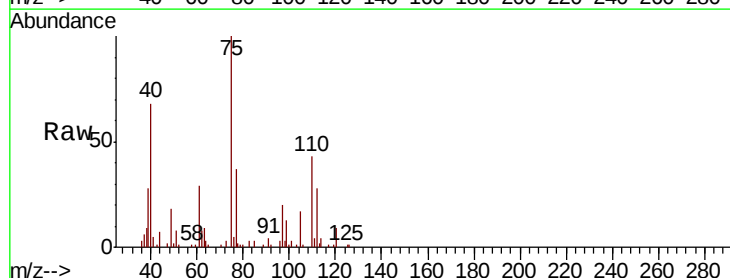
RT: 11.80 min Scan# 1132

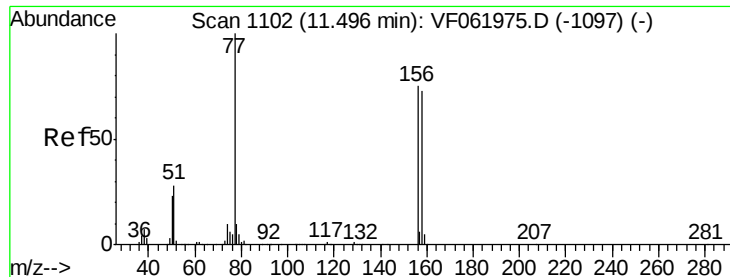
Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Tgt Ion:	75	Resp:	27345
Ion Ratio	Lower	Upper	
75	100		
77	36.8	16.4	49.2





#77

Bromobenzene

Concen: 20.175 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

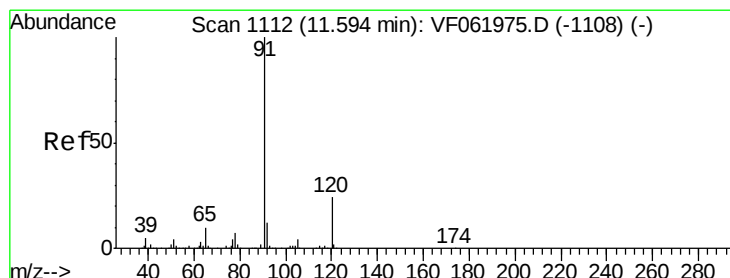
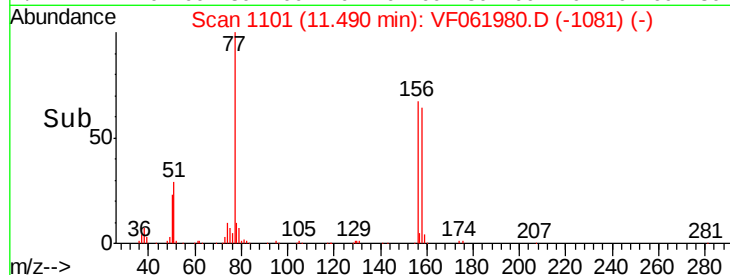
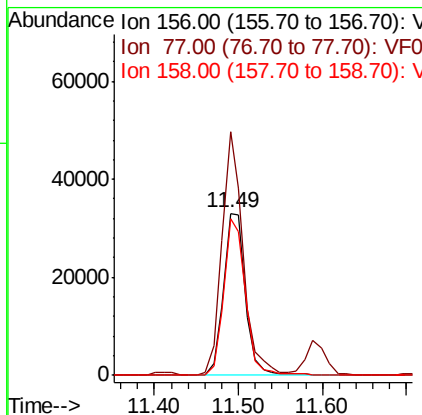
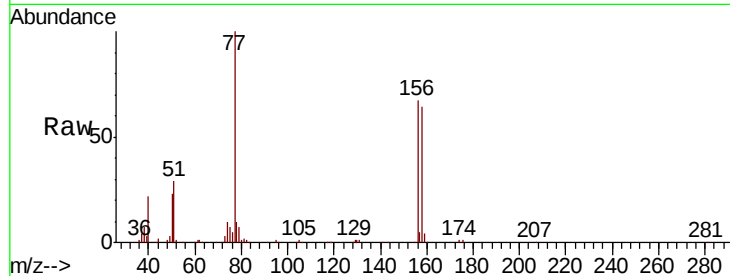
ClientSampleId :

VF0316SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	150.2	67.0	201.0	
158	96.3	48.9	146.7	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.667 ug/l

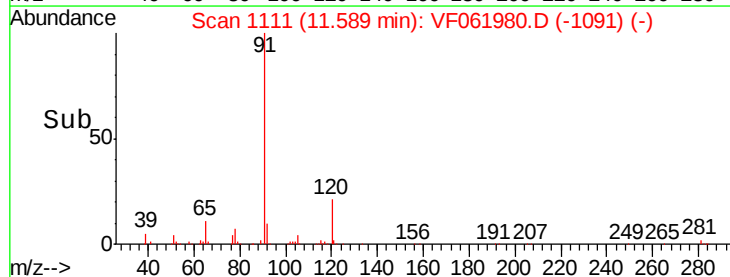
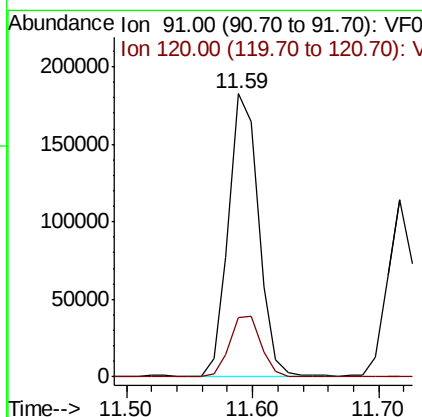
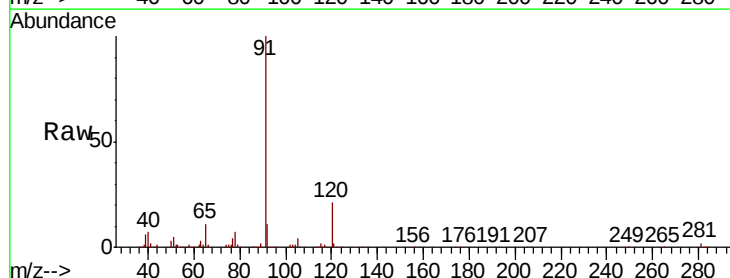
RT: 11.59 min Scan# 1111

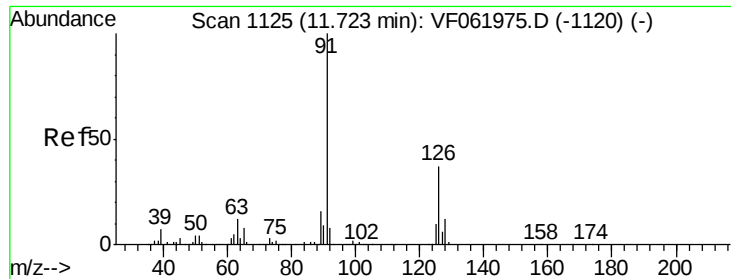
Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.1	11.8	35.3	





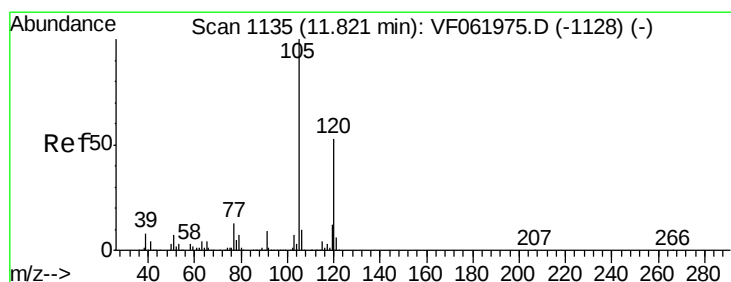
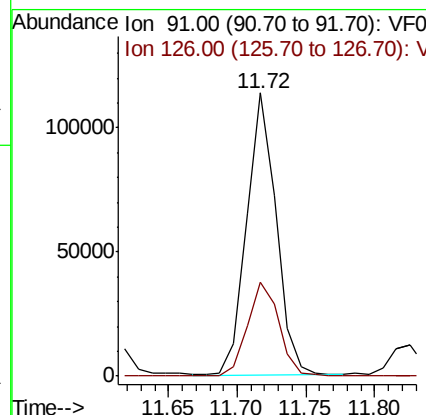
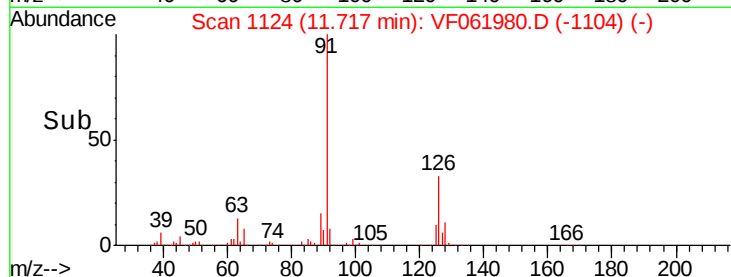
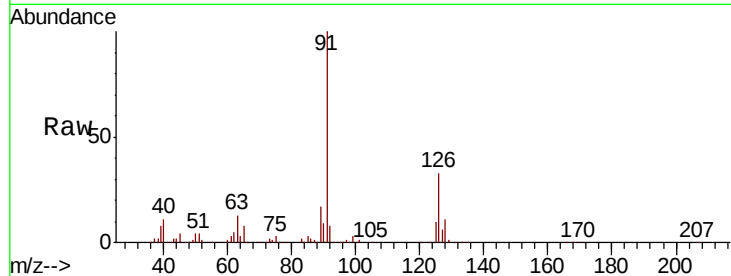
#79
 2-Chlorotoluene
 Concen: 20.526 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tot Ion: 91 Resp: 170129
 Ion Ratio Lower Upper
 91 100
 126 33.1 18.4 55.2

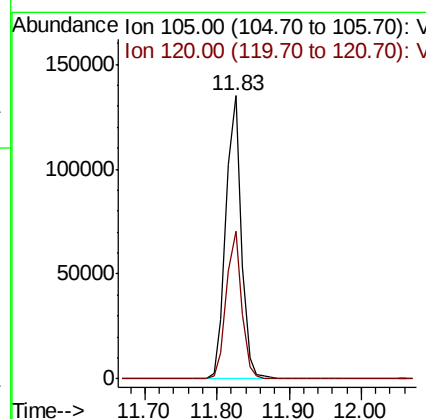
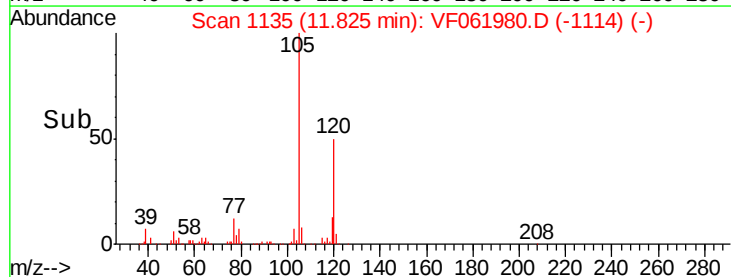
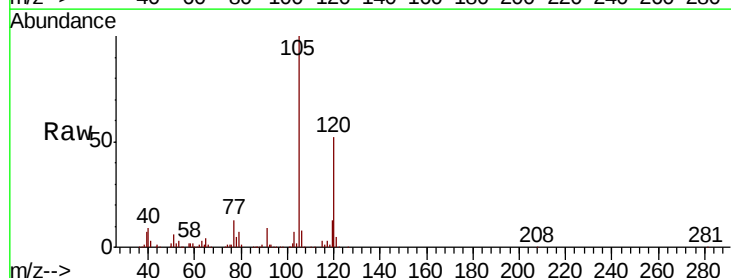
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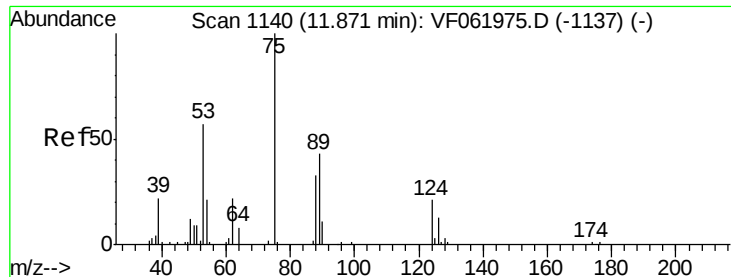
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.382 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Tgt Ion: 105 Resp: 199943
 Ion Ratio Lower Upper
 105 100
 120 52.1 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 19.072 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

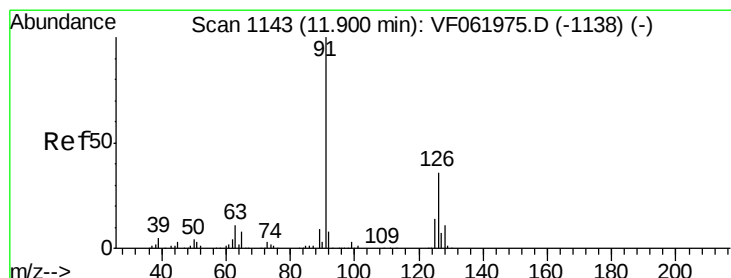
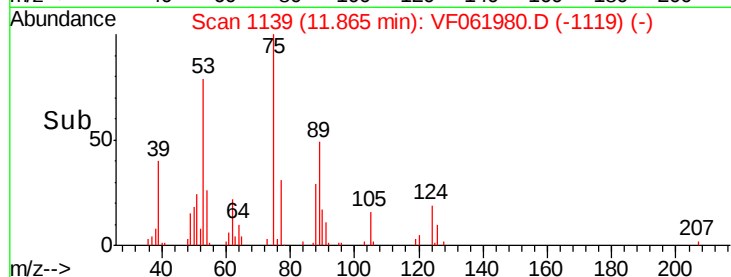
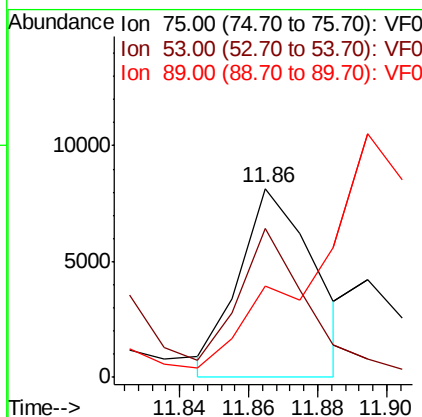
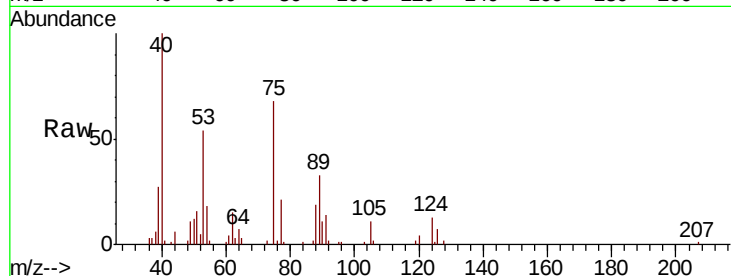
ClientSampleId :

VF0316SBS01

Tot Ion:	75	Resp:	12436
Ion Ratio	Lower	Upper	
75	100		
53	78.9	49.0	73.6#
89	48.5	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.439 ug/l

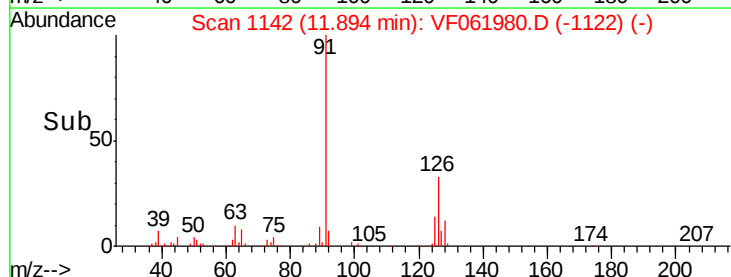
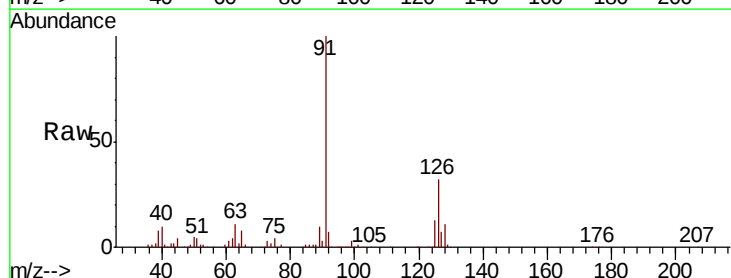
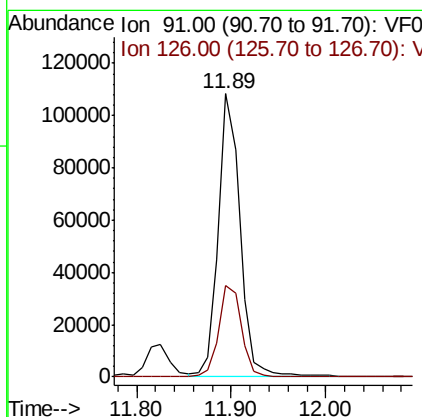
RT: 11.89 min Scan# 1142

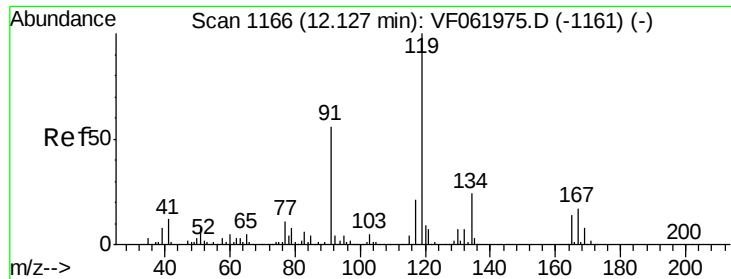
Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Tgt Ion:	91	Resp:	171312
Ion Ratio	Lower	Upper	
91	100		
126	32.2	18.1	54.1





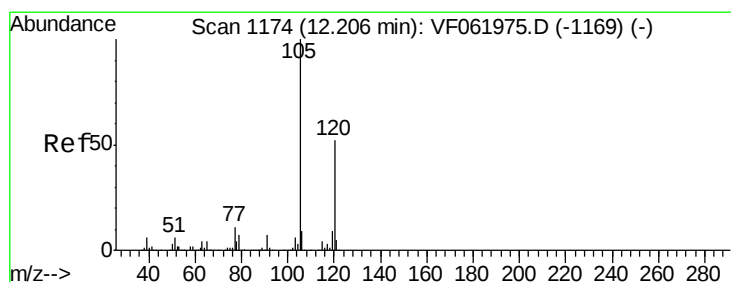
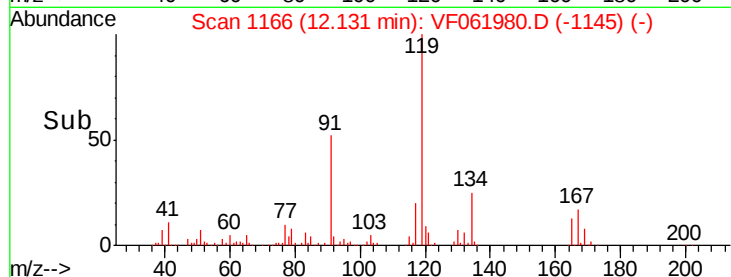
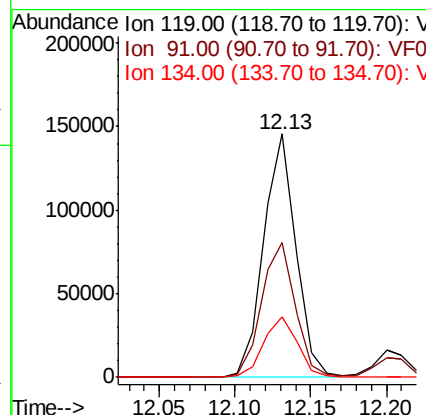
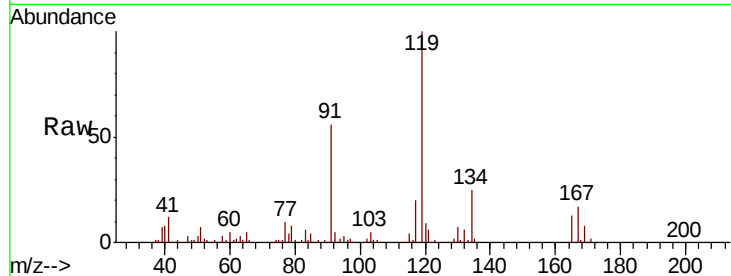
#83
tert-Butylbenzene
Concen: 20.293 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	218929		
91	55.5	27.9	83.6	
134	25.0	12.3	36.8	

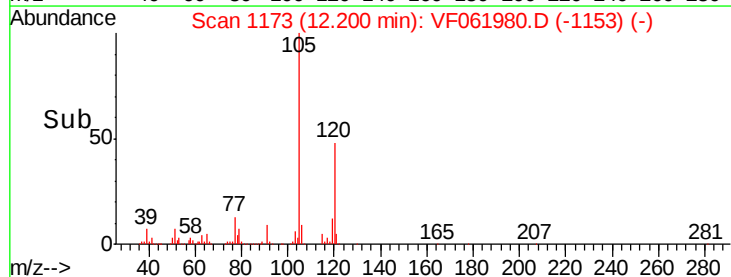
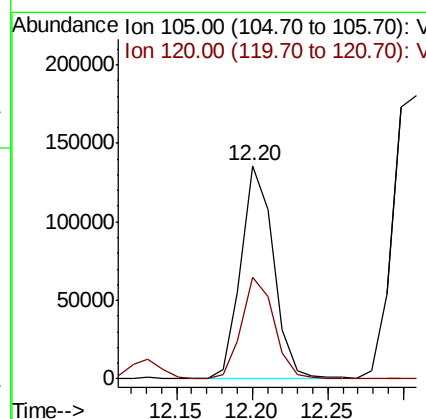
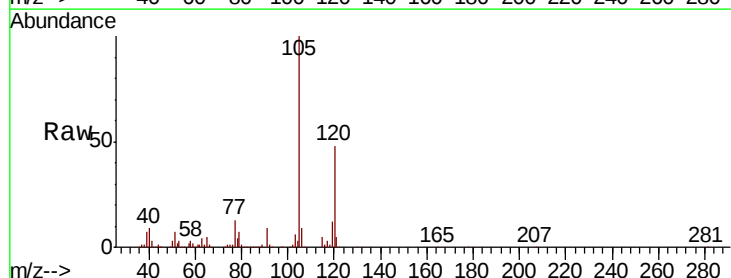
Manual Integrations
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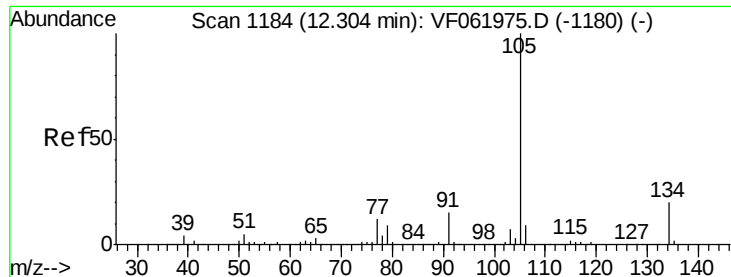
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.750 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	204070		
120	47.7	25.9	77.8	





#85

sec-Butylbenzene

Concen: 20.220 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion:105 Resp: 294728

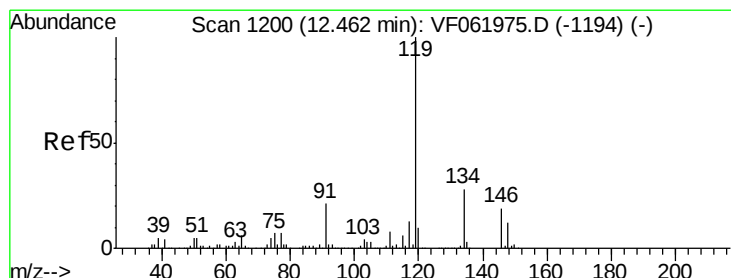
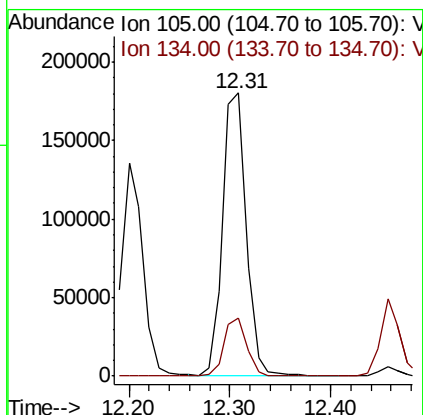
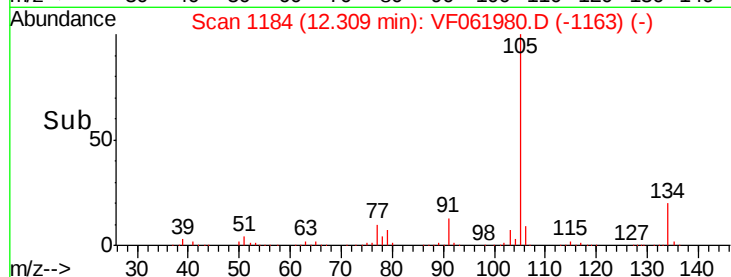
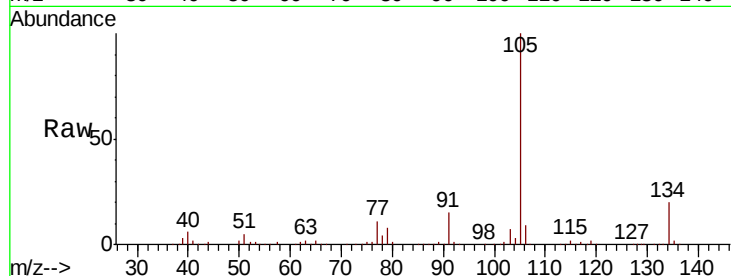
Ion Ratio Lower Upper

105 100

134 20.4 10.0 29.8

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#86

p-Isopropyltoluene

Concen: 21.014 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

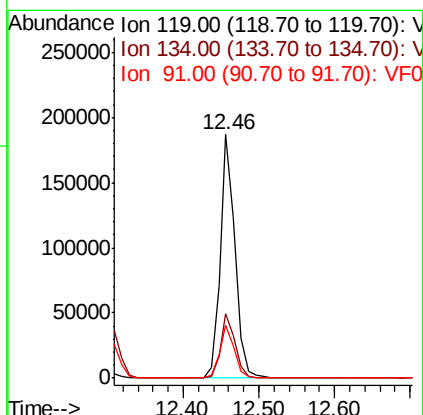
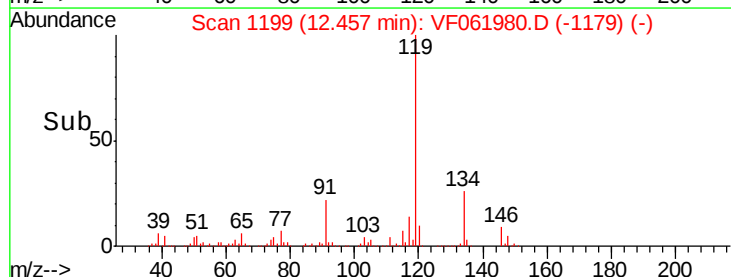
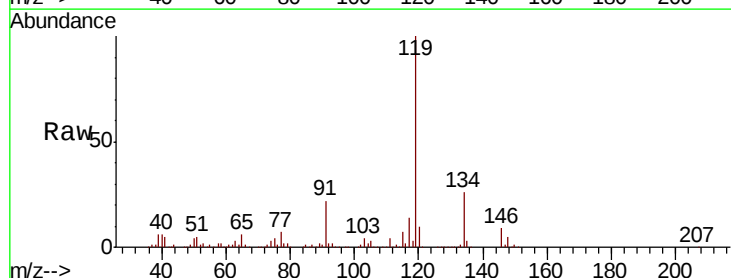
Tgt Ion:119 Resp: 255584

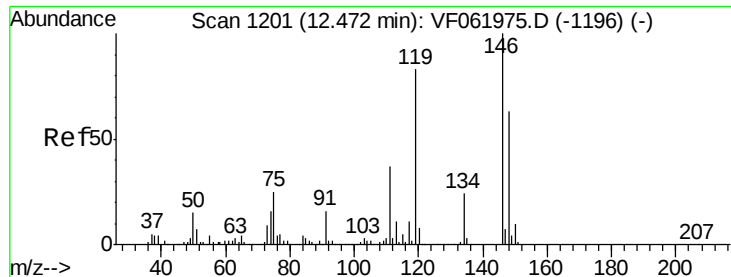
Ion Ratio Lower Upper

119 100

134 26.3 13.9 41.7

91 21.7 10.4 31.1





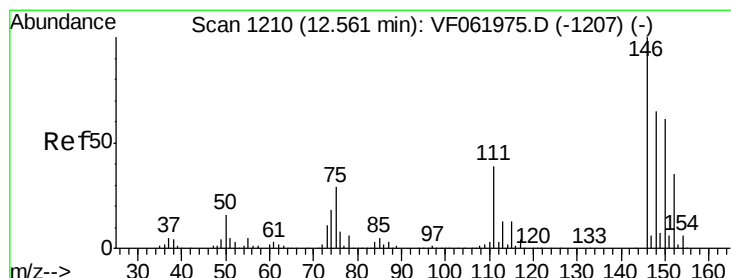
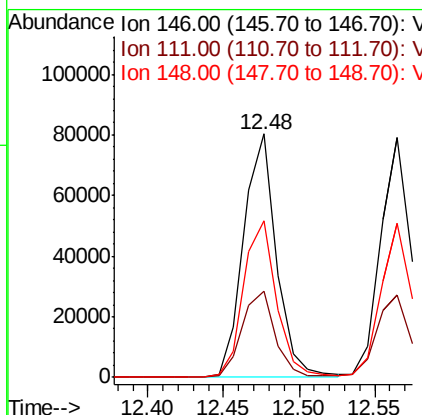
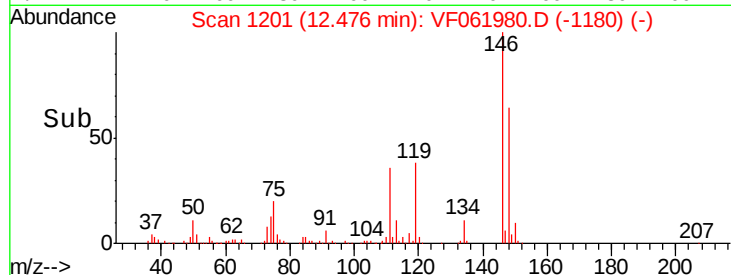
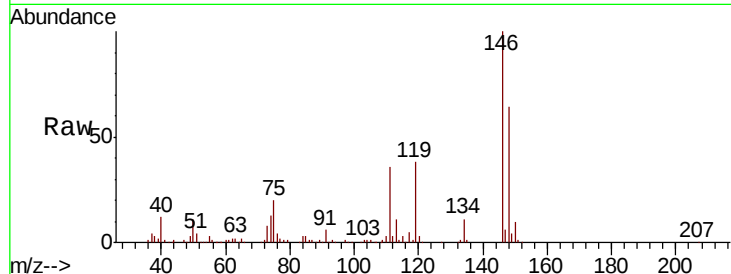
#87
 1,3-Dichlorobenzene
 Concen: 20.944 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampled :
 VF0316SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.6	55.8
148	64.4	31.3	93.9

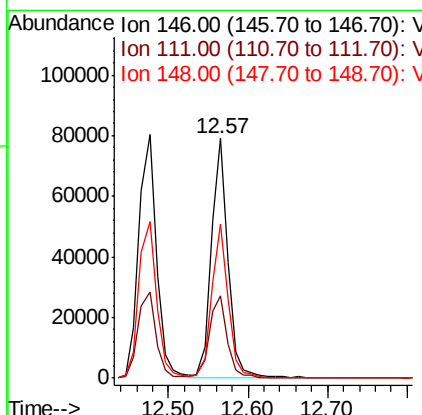
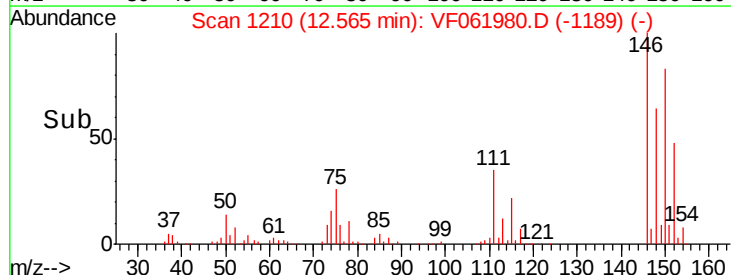
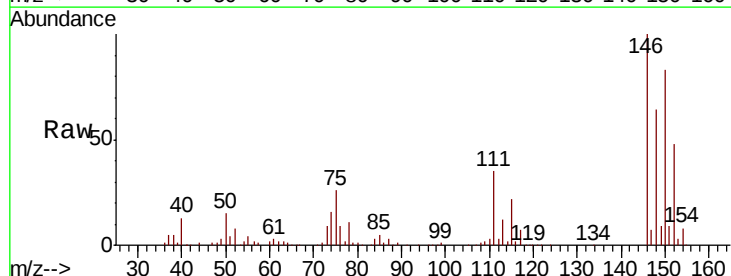
Manual Integrations
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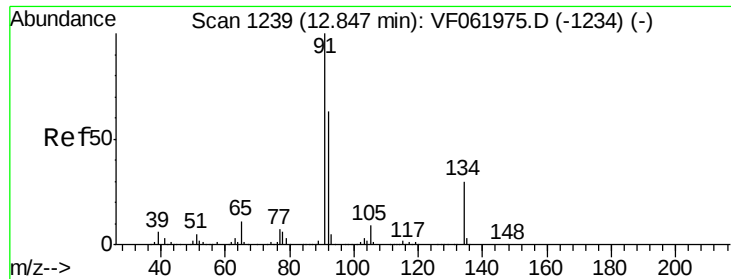
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#88
 1,4-Dichlorobenzene
 Concen: 20.701 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	19.4	58.1
148	64.5	32.4	97.0





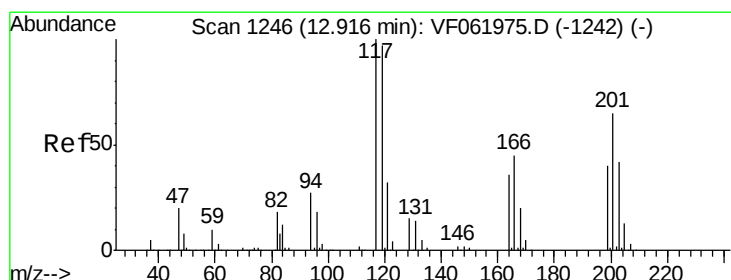
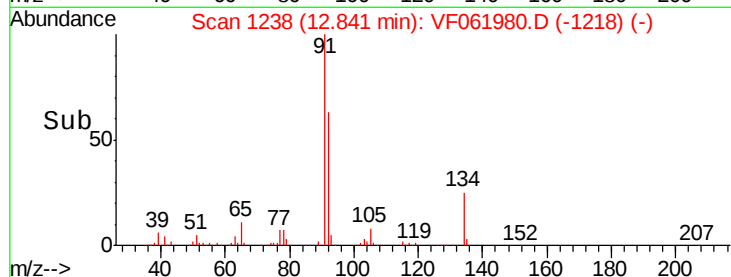
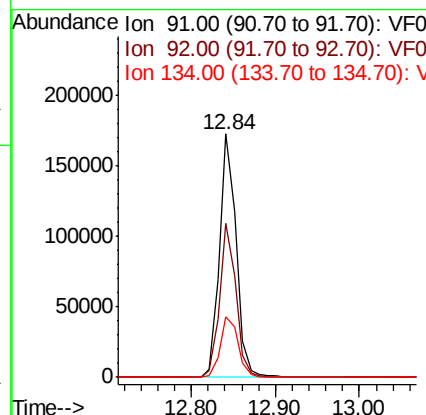
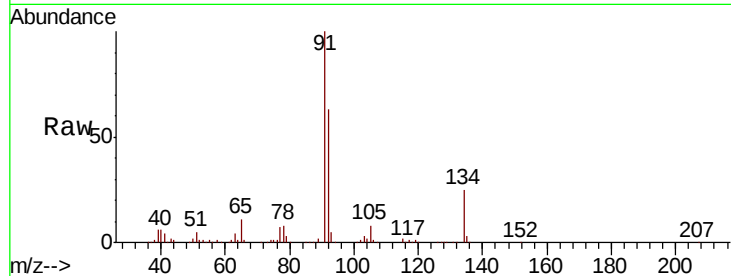
#89
n-Butylbenzene
Concen: 20.809 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.1	31.7	95.1
134	24.7	15.1	45.3

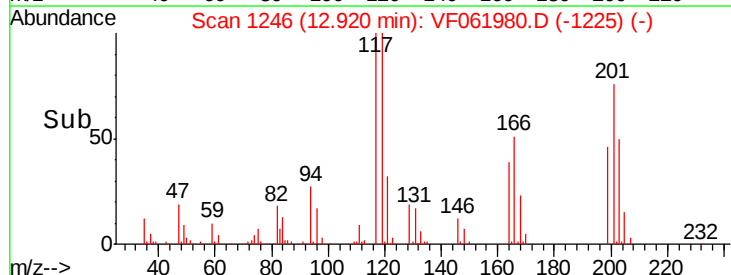
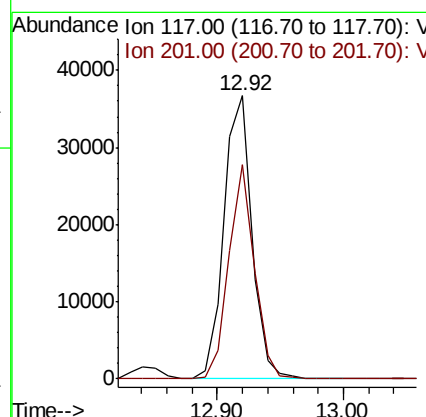
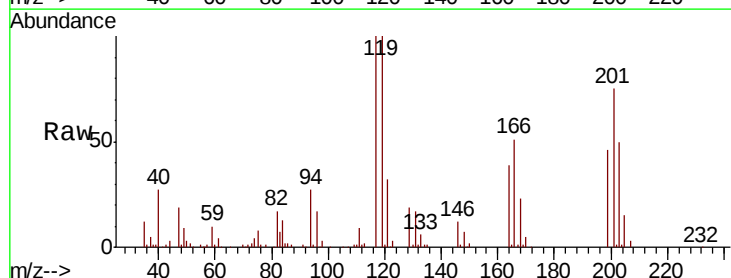
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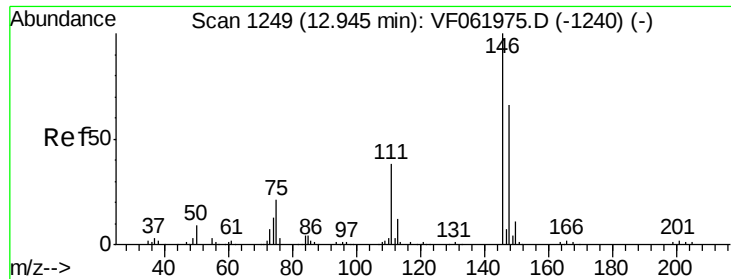
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#90
Hexachloroethane
Concen: 20.383 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.7	32.5	97.5





#91

1,2-Dichlorobenzene

Concen: 20.621 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

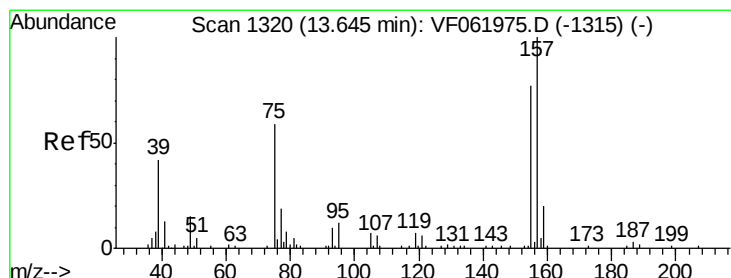
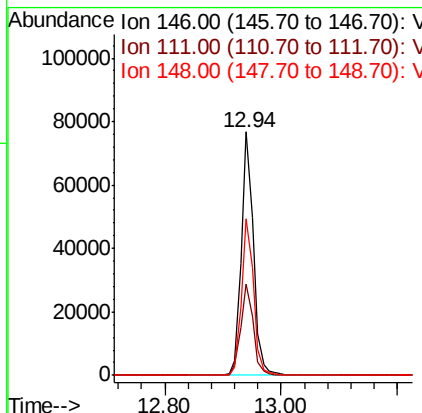
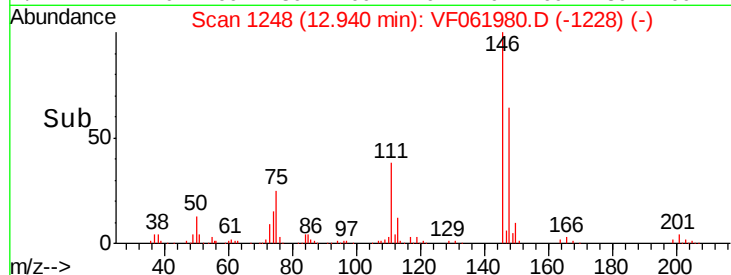
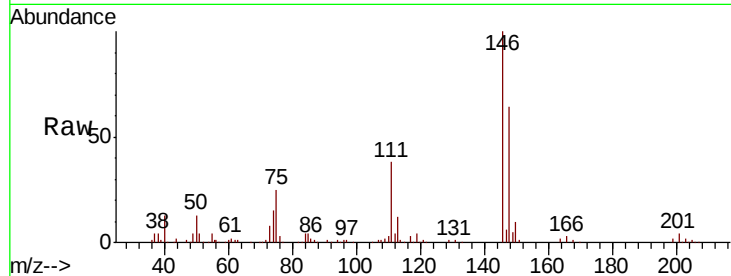
ClientSampleId :

VF0316SBS01

Tot Ion:	146	Resp:	111013
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.9	56.5
148	64.3	32.9	98.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.987 ug/l

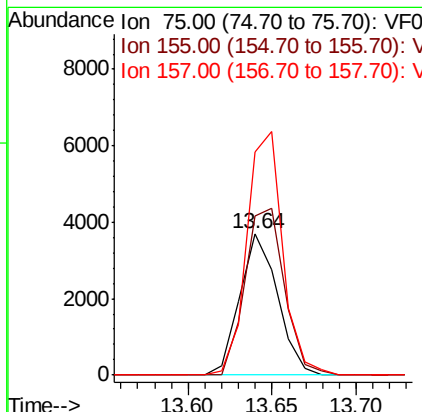
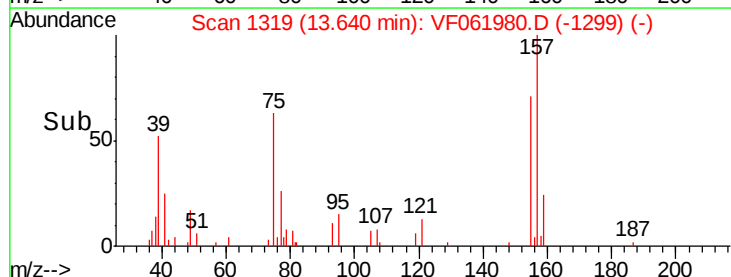
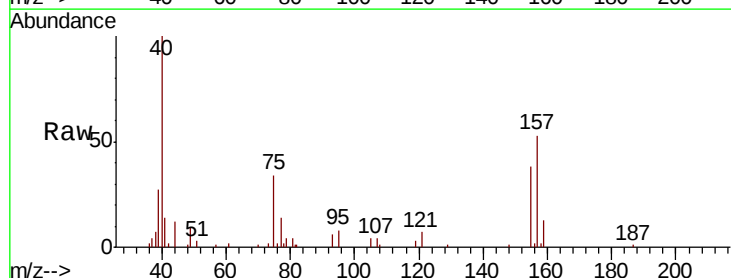
RT: 13.64 min Scan# 1319

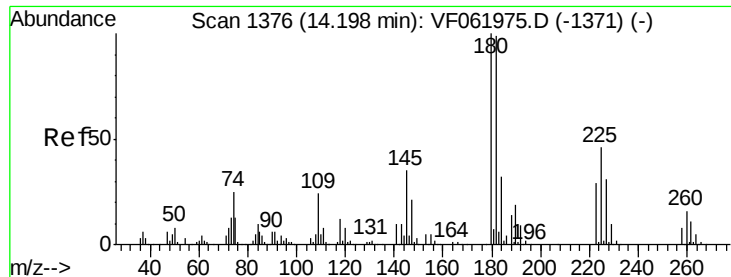
Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Tgt Ion:	75	Resp:	5746
Ion Ratio	Lower	Upper	
75	100		
155	112.7	65.0	195.1
157	158.0	84.7	254.0





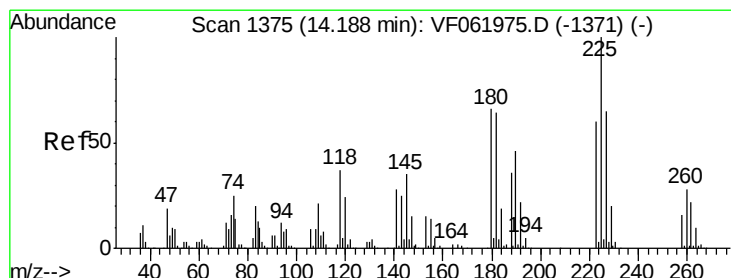
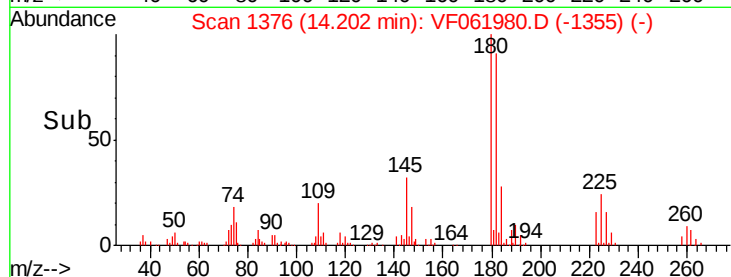
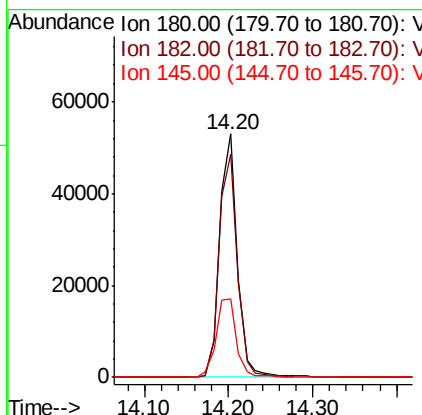
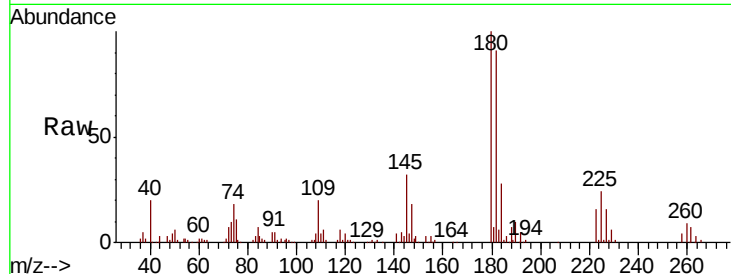
#93
 1,2,4-Trichlorobenzene
 Concen: 20.770 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.4	49.6	149.0
145	32.2	17.5	52.5

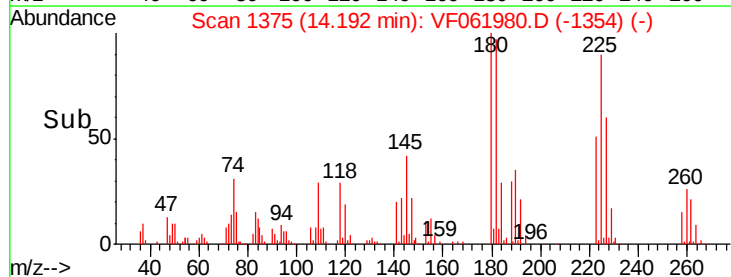
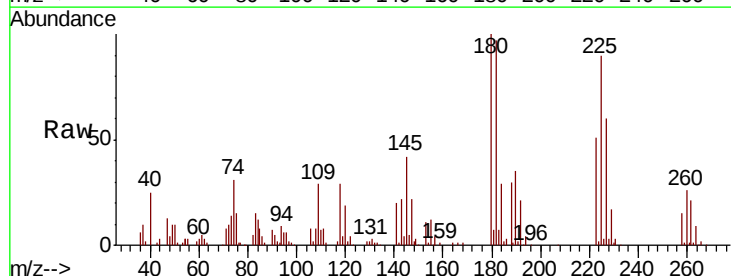
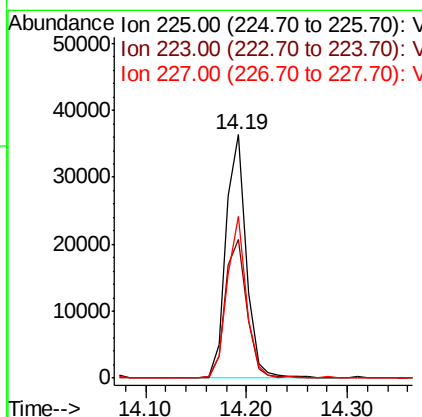
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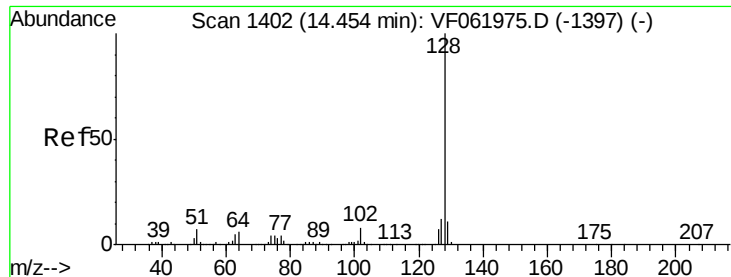
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#94
 Hexachlorobutadiene
 Concen: 20.399 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.0	29.9	89.7
227	66.4	32.4	97.2





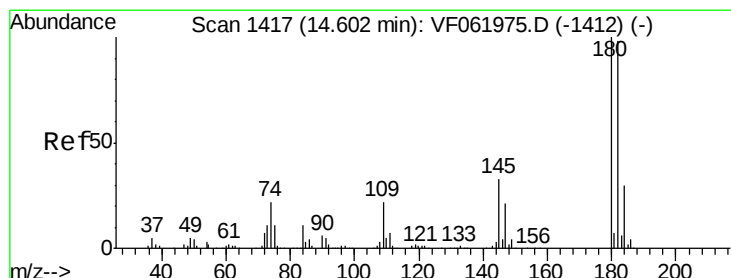
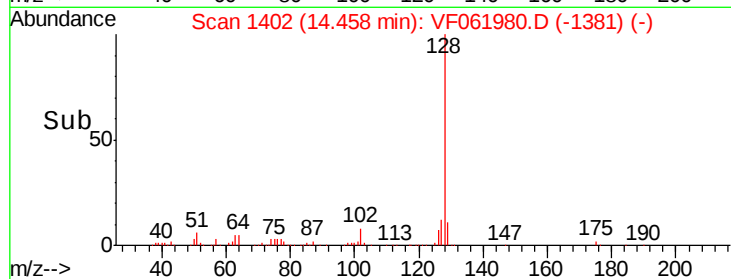
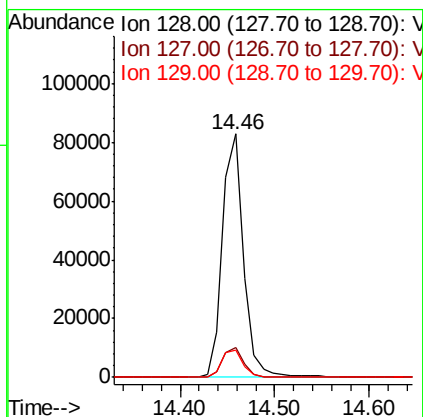
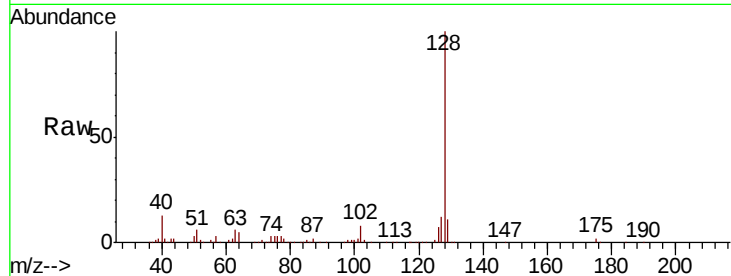
#95
Naphthalene
Concen: 18.985 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	128002		
127	12.2		9.3	13.9
129	11.2		9.1	13.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.153 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	69506		
182	94.2		48.9	146.8
145	29.4		16.7	50.1

