

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061981.D
 Acq On : 16 Mar 2019 17:59
 Operator : VA/AP
 Sample : VF0316SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 6:19:30 PM

Quant Time: Mar 22 03:36:49 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	266986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	397021	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	342307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	185273	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	99082	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	4.11	113	135231	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	7.55	98	385273	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.41	95	158053	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	65574	23.039	ug/l	100
3) Chloromethane	1.09	50	64055	22.146	ug/l #	84
4) Vinyl Chloride	1.13	62	64906	23.203	ug/l	99
5) Bromomethane	1.32	94	44112	22.448	ug/l	95
6) Chloroethane	1.38	64	32820	22.727	ug/l	96
7) Trichlorofluoromethane	1.49	101	82081	22.148	ug/l	99
8) Diethyl Ether	1.63	74	16440	19.955	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	55365	21.204	ug/l	97
10) Methyl Iodide	1.89	142	101711m	22.250	ug/l	
11) Tert butyl alcohol	2.57	59	10787	91.725	ug/l #	78
12) 1,1-Dichloroethene	1.78	96	49000	21.745	ug/l	88
13) Acrolein	2.00	56	12462m	98.162	ug/l	
14) Allyl chloride	2.10	41	62663	21.785	ug/l	95
15) Acrylonitrile	2.95	53	38007	106.278	ug/l	96
16) Acetone	2.24	43	42697	98.936	ug/l	97
17) Carbon Disulfide	1.81	76	149312m	22.922	ug/l	
18) Methyl Acetate	2.34	43	15996m	16.356	ug/l	
19) Methyl tert-butyl Ether	2.43	73	84321	20.651	ug/l	96
20) Methylene Chloride	2.18	84	48935m	21.733	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	52231	22.211	ug/l	98
22) Diisopropyl ether	2.80	45	144479	20.882	ug/l #	95
23) Vinyl Acetate	3.18	43	313044	114.776	ug/l	99
24) 1,1-Dichloroethane	2.87	63	87083	21.646	ug/l	97
25) 2-Butanone	4.34	43	84477	98.838	ug/l #	88
26) 2,2-Dichloropropane	3.60	77	35085	18.489	ug/l	91
27) cis-1,2-Dichloroethene	3.47	96	62908	21.225	ug/l	95
28) Bromochloromethane	3.72	49	35034	20.988	ug/l	93
29) Tetrahydrofuran	4.07	42	37568	101.070	ug/l	98
30) Chloroform	3.86	83	94665	20.768	ug/l	97
31) Cyclohexane	3.69	56	84861	21.353	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	64436	21.286	ug/l	92
36) 1,1-Dichloropropene	4.28	75	80103	22.342	ug/l	97
37) Ethyl Acetate	4.11	43	31628	19.647	ug/l	90
38) Carbon Tetrachloride	3.98	117	56031	21.384	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	96478	22.922	ug/l	98
40) Benzene	4.63	78	191130	20.119	ug/l	99
41) Methacrylonitrile	4.74	41	17552	20.407	ug/l	92
42) 1,2-Dichloroethane	4.94	62	50117	21.192	ug/l	99
43) Isopropyl Acetate	6.96	43	40037	21.020	ug/l #	87
44) Trichloroethene	5.50	130	60800	20.892	ug/l	94
45) 1,2-Dichloropropane	6.23	63	48287	21.477	ug/l	96
46) Dibromomethane	6.09	93	29162	21.804	ug/l	96
47) Bromodichloromethane	6.39	83	66308	21.029	ug/l	96
48) Methyl methacrylate	6.71	41	25950	21.081	ug/l	96
49) 1,4-Dioxane	6.70	88	4498	410.789	ug/l #	73
51) 4-Methyl-2-Pentanone	8.26	43	143574	106.151	ug/l	94
52) Toluene	7.62	92	118035	20.335	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	56904	21.376	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	73255	21.090	ug/l	94
55) 1,1,2-Trichloroethane	8.49	97	34511	21.302	ug/l	93
56) Ethyl methacrylate	8.62	69	39153	21.260	ug/l	94
57) 1,3-Dichloropropane	8.85	76	58656	21.705	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	35069	105.133	ug/l	100
59) 2-Hexanone	9.49	43	106548	108.851	ug/l	97
60) Dibromochloromethane	8.71	129	48217	21.439	ug/l	97
61) 1,2-Dibromoethane	8.98	107	38429	22.114	ug/l	94
64) Tetrachloroethene	8.15	164	53875	21.652	ug/l	96
65) Chlorobenzene	9.80	112	134040	21.032	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	53070	21.483	ug/l	97
67) Ethyl Benzene	9.90	91	238809	21.885	ug/l	99
68) m/p-Xylenes	10.13	106	180738	44.037	ug/l	92
69) o-Xylene	10.72	106	94280	21.468	ug/l	100
70) Styrene	10.79	104	132838	21.834	ug/l	97
71) Bromoform	10.78	173	25030	20.032	ug/l	98
73) Isopropylbenzene	11.12	105	277079	21.647	ug/l	97
74) N-amyl acetate	11.37	43	63039	21.494	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	45523	21.547	ug/l	87
76) 1,2,3-Trichloropropane	11.79	75	31237	21.144	ug/l	96
77) Bromobenzene	11.50	156	61952	20.900	ug/l	97
78) n-propylbenzene	11.59	91	321744	21.861	ug/l	98
79) 2-Chlorotoluene	11.72	91	178305	21.463	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	229849	22.230	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	14363m	21.976	ug/l	
82) 4-Chlorotoluene	11.90	91	185631	22.096	ug/l	99
83) tert-Butylbenzene	12.13	119	247866	22.923	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	221343	21.373	ug/l	94
85) sec-Butylbenzene	12.30	105	314998	21.561	ug/l	97
86) p-Isopropyltoluene	12.46	119	266156	21.833	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	129751	22.272	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	121486	21.665	ug/l	99
89) n-Butylbenzene	12.85	91	257852	22.510	ug/l	94
90) Hexachloroethane	12.92	117	60715	21.824	ug/l	98
91) 1,2-Dichlorobenzene	12.94	146	115550	21.415	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	5980	17.638	ug/l	89

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ClientSampleId :
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Manual Integrations
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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	78011	20.762	ug/l	96
94) Hexachlorobutadiene	14.19	225	55408	22.212	ug/l	94
95) Naphthalene	14.45	128	135849	20.102	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	72092	20.855	ug/l	95

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

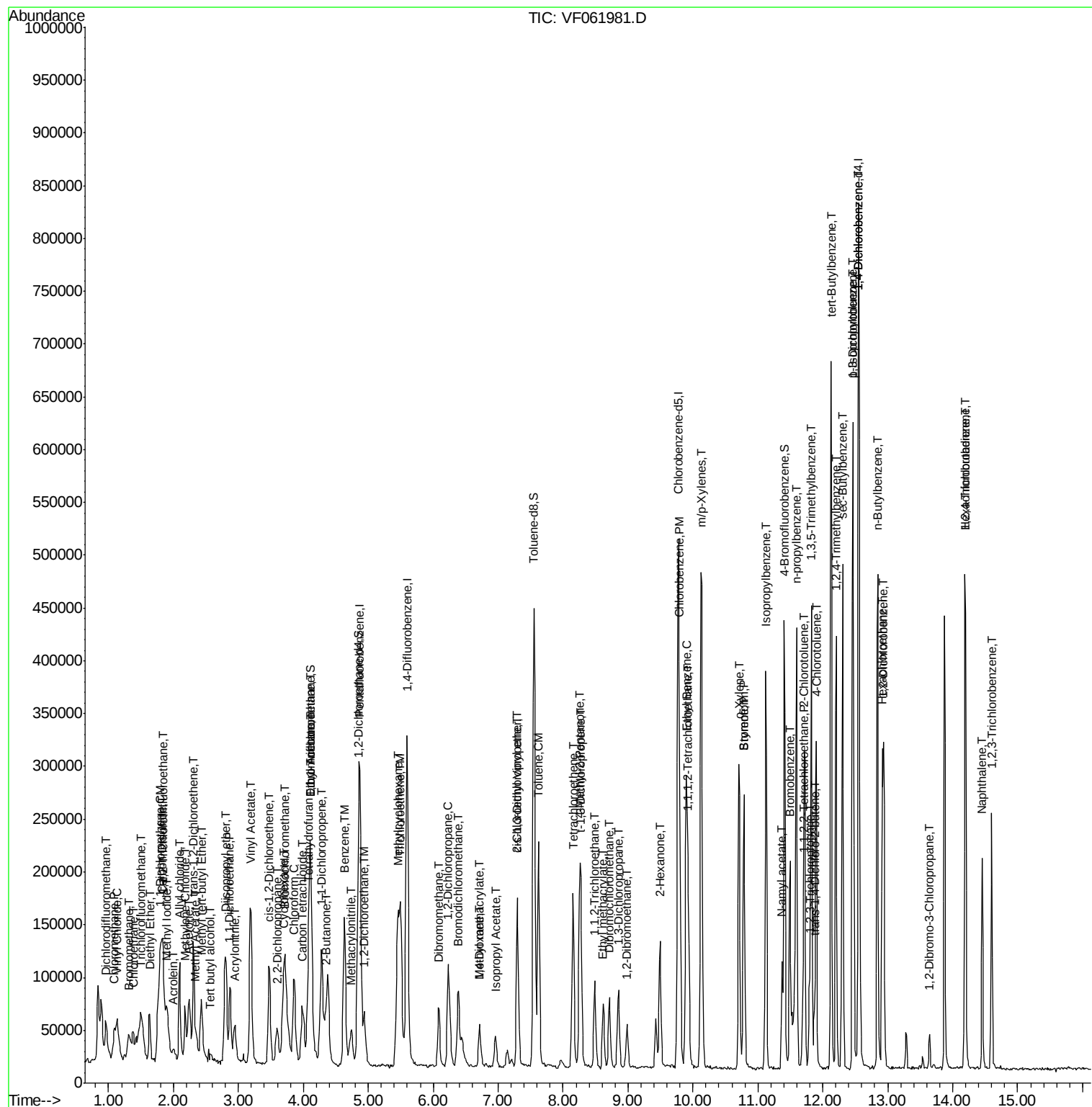
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 Data File : VF061981.D
 Acq On : 16 Mar 2019 17:59
 Operator : VA/AP
 Sample : VF0316SBSD01
 Misc : 5.00µL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

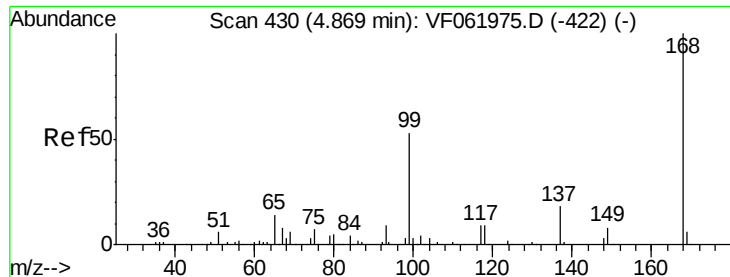
Instrument :
 MSVOA_F
 Client Sample Id :
 VF0316SBSD01

Manual Integrations
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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: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion:168 Resp: 266986

Ion Ratio Lower Upper

168 100

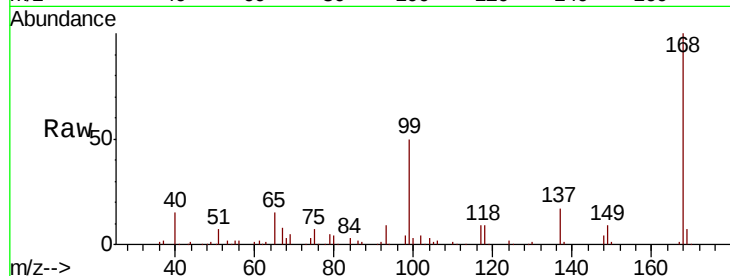
99 50.2 42.4 63.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

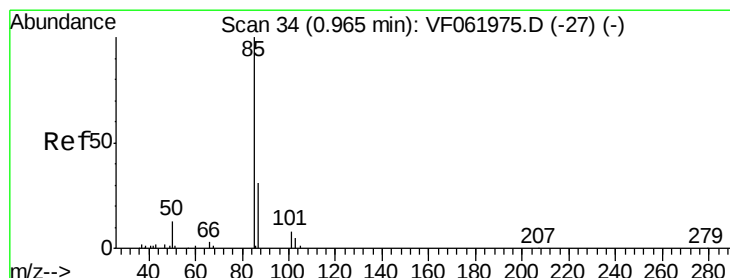
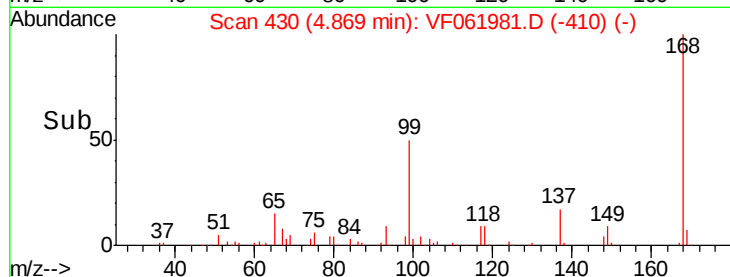
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.039 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061981.D

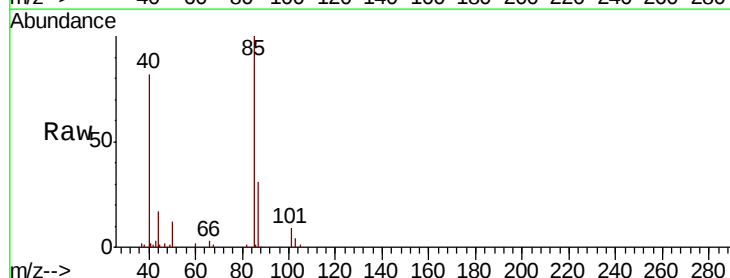
Acq: 16 Mar 2019 17:59

Tgt Ion: 85 Resp: 65574

Ion Ratio Lower Upper

85 100

87 31.0 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

25000

20000

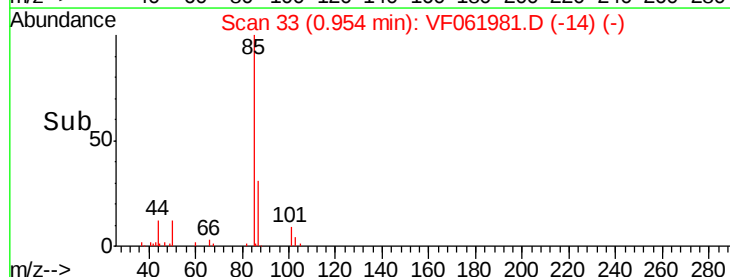
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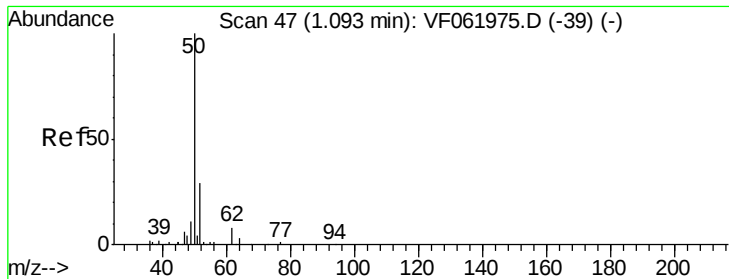
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.146 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion: 50 Resp: 64055

Ion Ratio Lower Upper

50 100

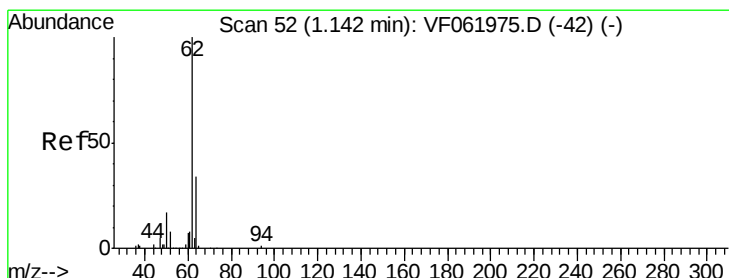
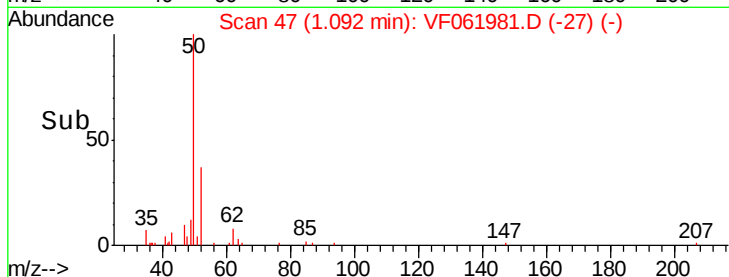
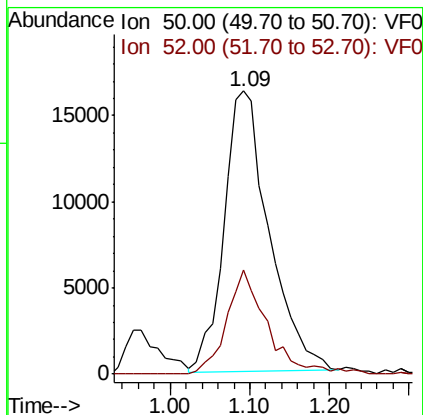
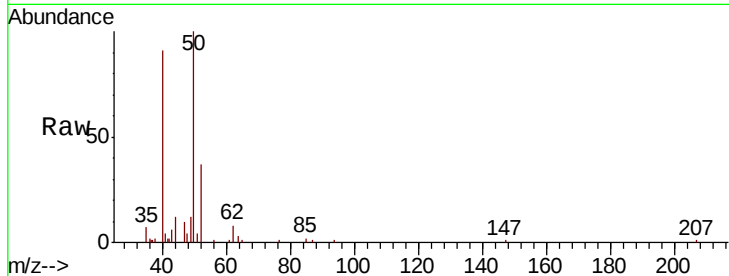
52 36.6 22.6 34.0#

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.203 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061981.D

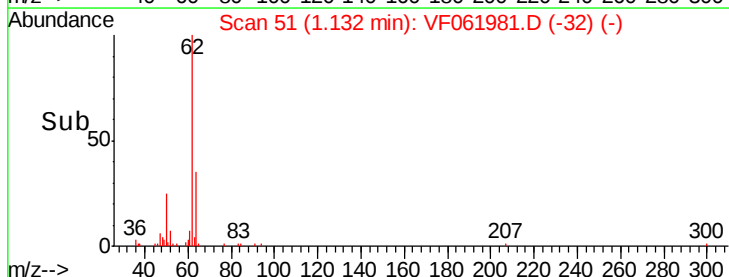
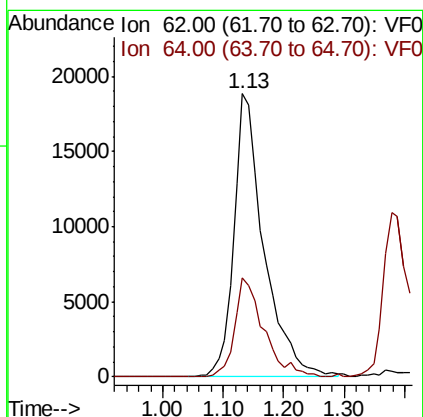
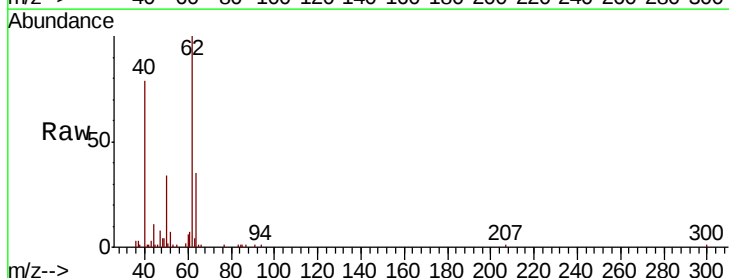
Acq: 16 Mar 2019 17:59

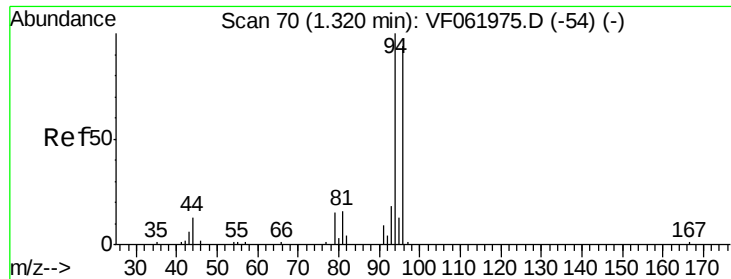
Tgt Ion: 62 Resp: 64906

Ion Ratio Lower Upper

62 100

64 34.9 27.4 41.2





#5

Bromomethane

Concen: 22.448 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion: 94 Resp: 44112

Ion Ratio Lower Upper

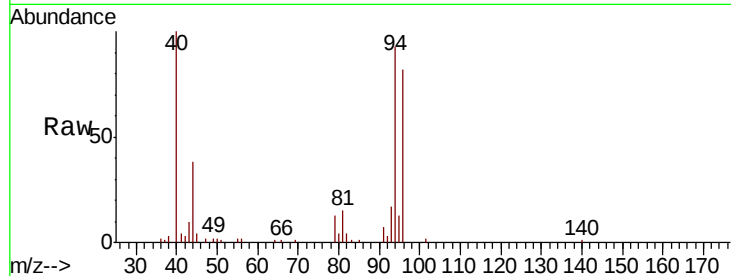
94 100

96 88.8 75.0 112.6

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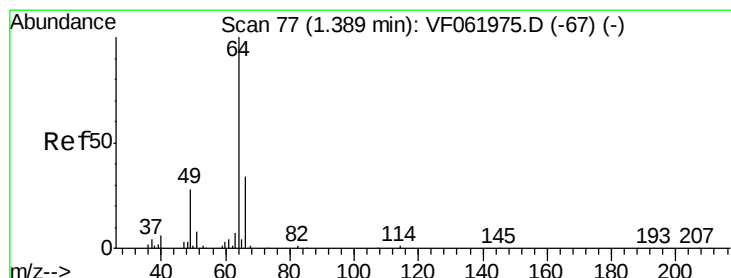
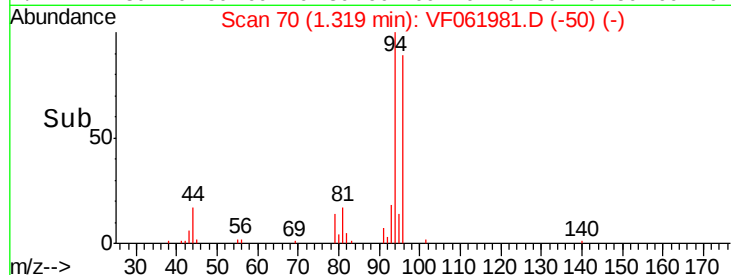
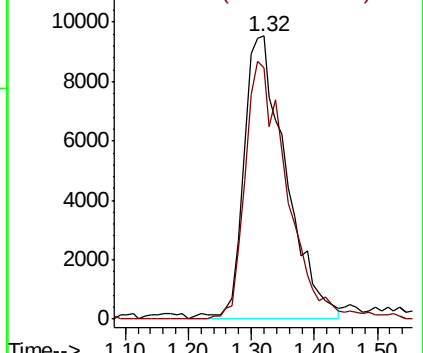
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 22.727 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061981.D

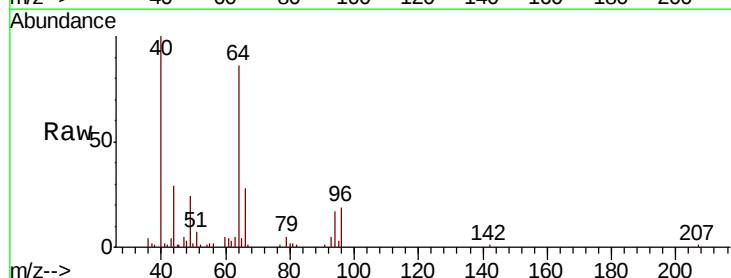
Acq: 16 Mar 2019 17:59

Tgt Ion: 64 Resp: 32820

Ion Ratio Lower Upper

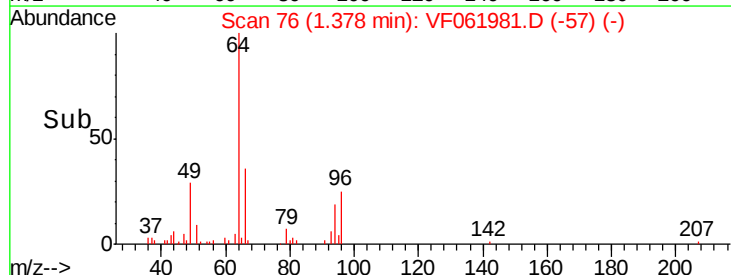
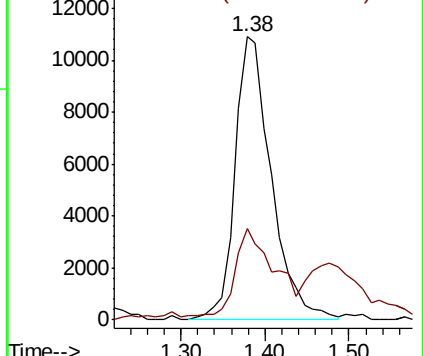
64 100

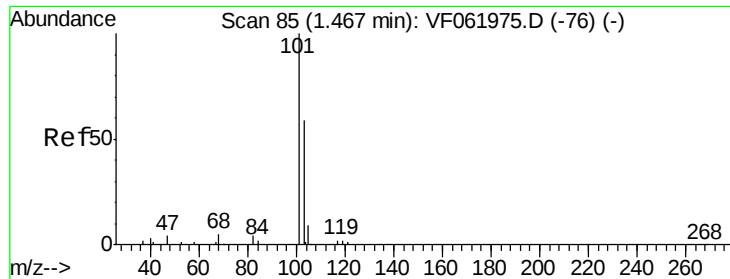
66 32.2 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

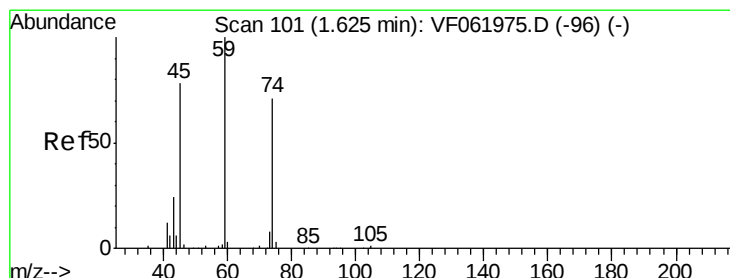
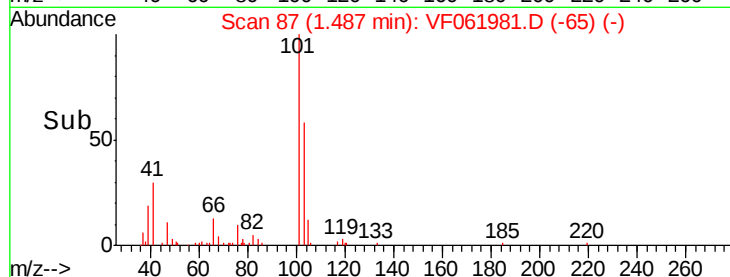
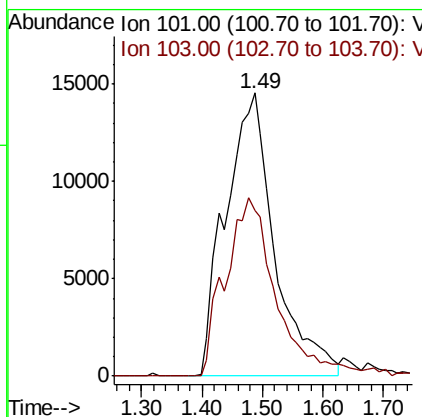
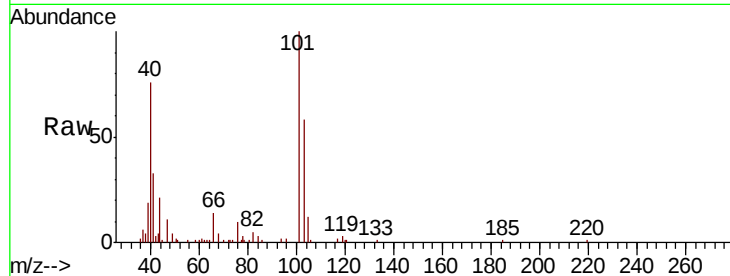
Trichlorofluoromethane
Concen: 22.148 ug/l
RT: 1.49 min Scan# 87
Delta R.T. 0.02 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
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ClientSampleId :
VF0316SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.5	47.3	70.9

Manual Integrations
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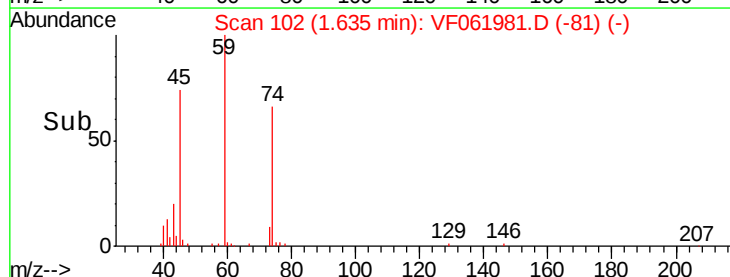
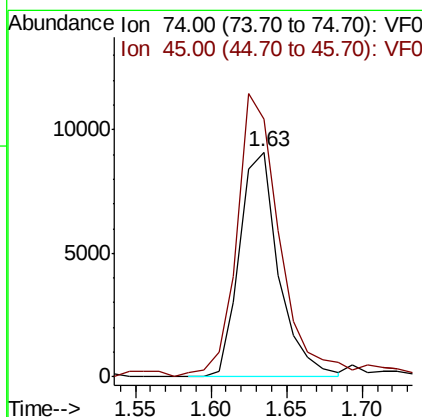
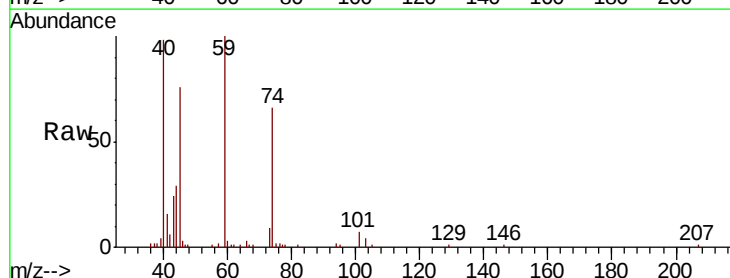
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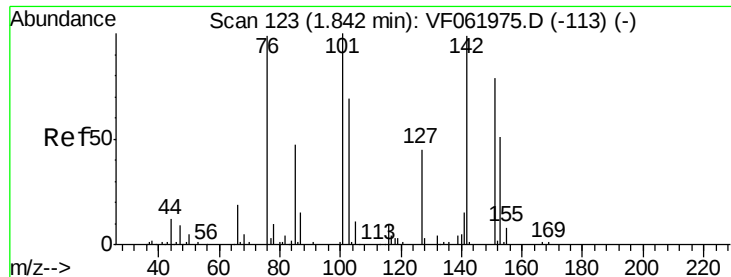


#8

Diethyl Ether
Concen: 19.955 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.7	56.3	168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.204 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

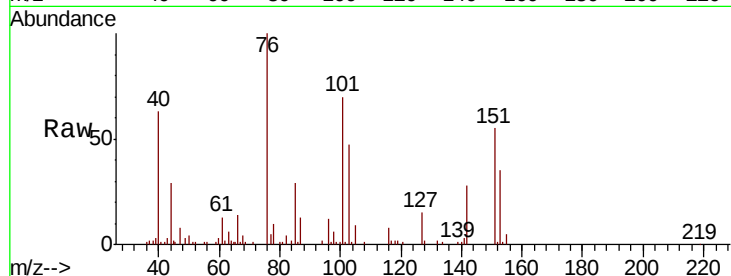
ClientSampleId :

VF0316SBSD01

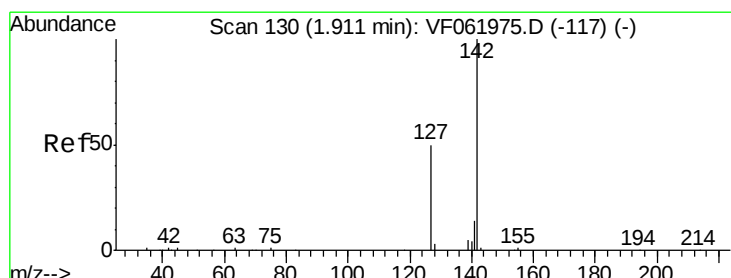
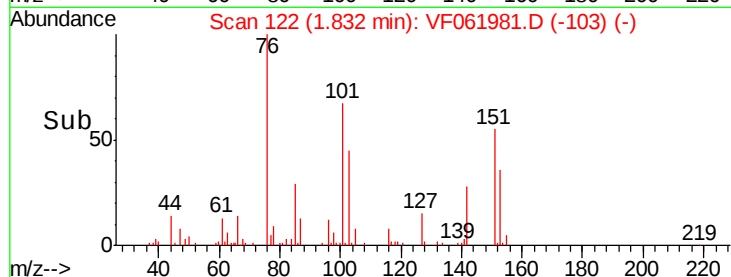
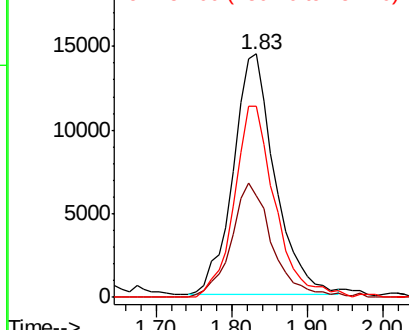
Tot Ion:	101	Resp:	55365
Ion Ratio	Lower	Upper	
101	100		
85	41.9	36.8	55.2
151	78.6	62.2	93.2

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 22.250 ug/l m

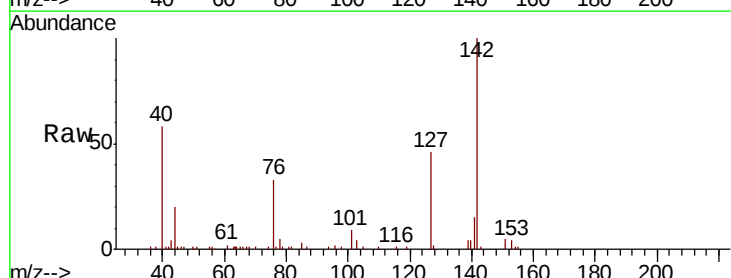
RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

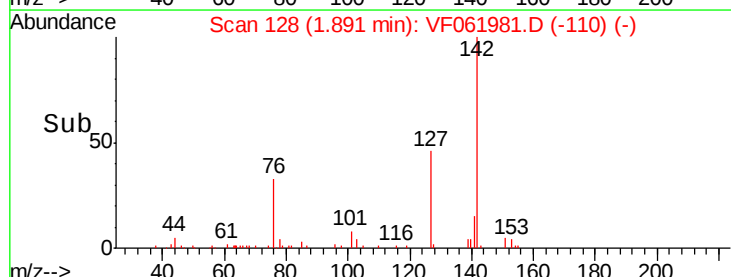
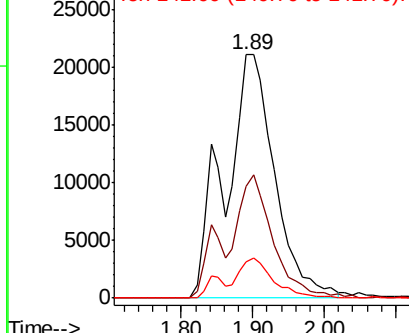
Lab File: VF061981.D

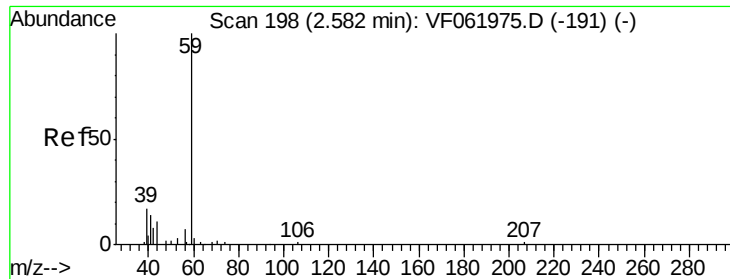
Acq: 16 Mar 2019 17:59

Tgt Ion:	142	Resp:	101711
Ion Ratio	Lower	Upper	
142	100		
127	46.1	39.7	59.5
141	15.1	10.8	16.2



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V





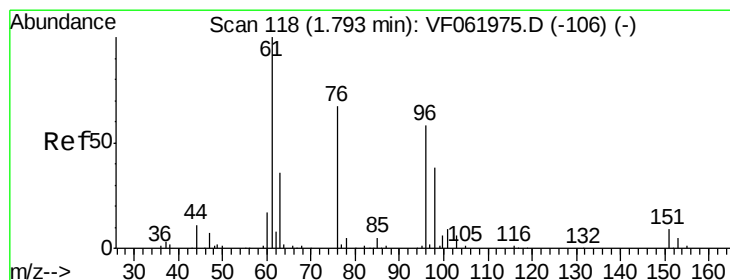
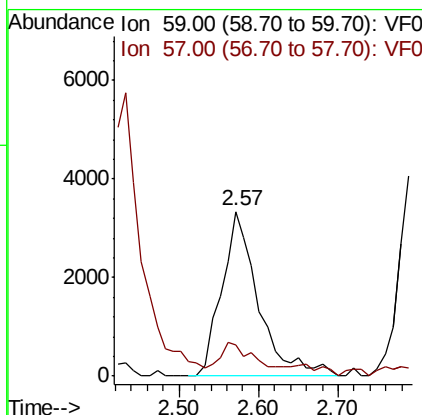
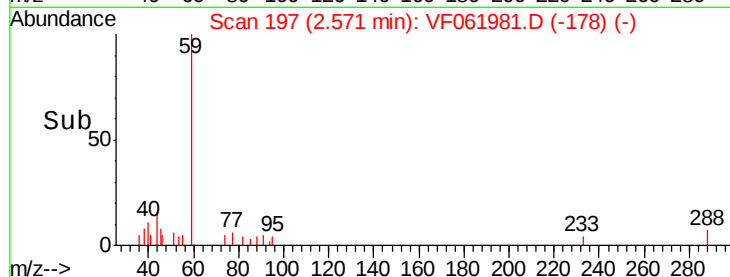
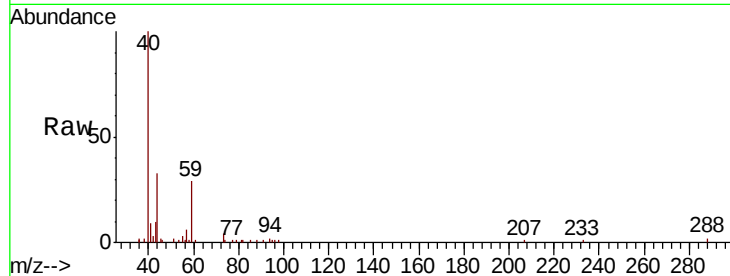
#11
Tert butyl alcohol
Concen: 91.725 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion: 59 Resp: 10787
Ion Ratio Lower Upper
59 100
57 19.3 8.7 13.1#

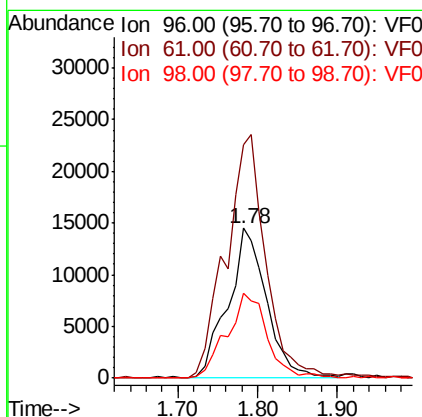
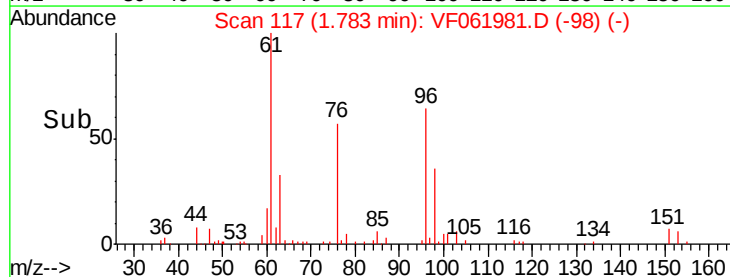
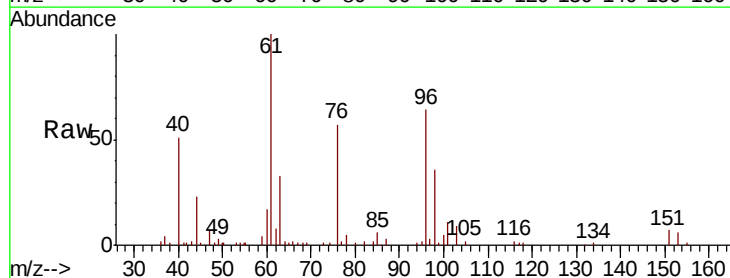
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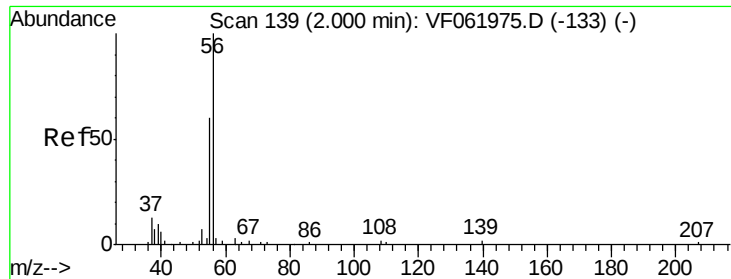
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#12
1,1-Dichloroethene
Concen: 21.745 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 96 Resp: 49000
Ion Ratio Lower Upper
96 100
61 155.9 138.6 208.0
98 56.8 53.2 79.8





#13

Acrolein

Concen: 98.162 ug/l m

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion: 56 Resp: 12462

Ion Ratio Lower Upper

56 100

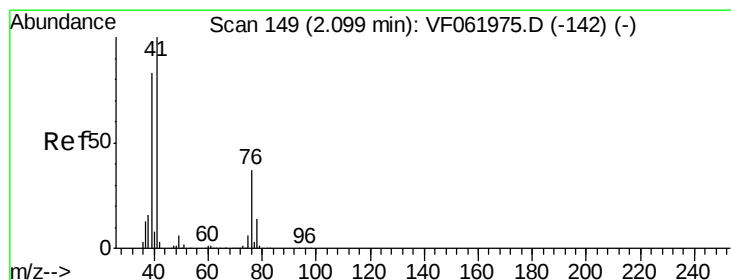
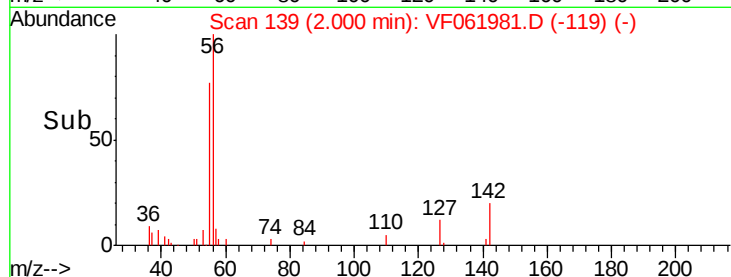
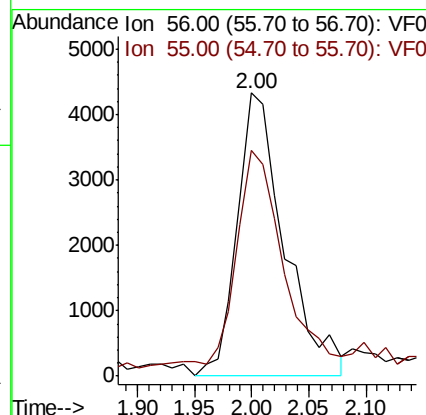
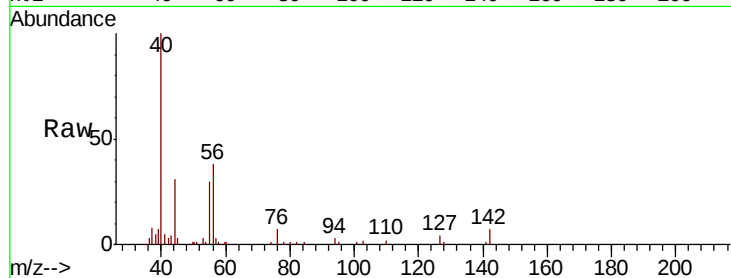
55 79.8 49.1 73.7#

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#14

Allyl chloride

Concen: 21.785 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

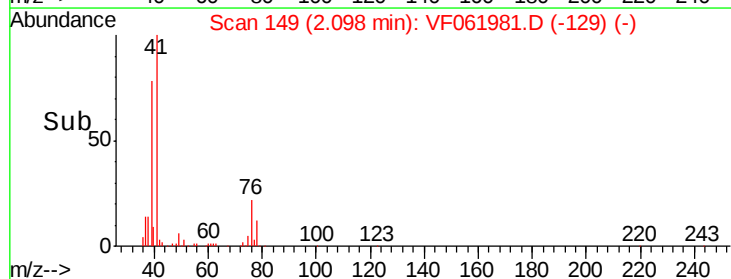
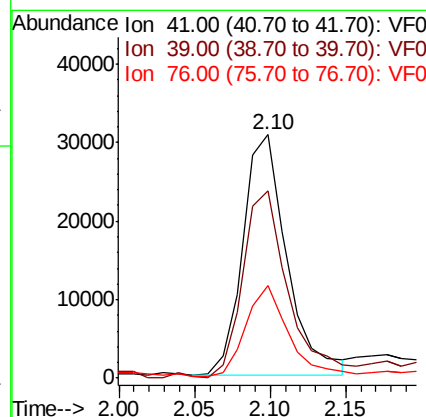
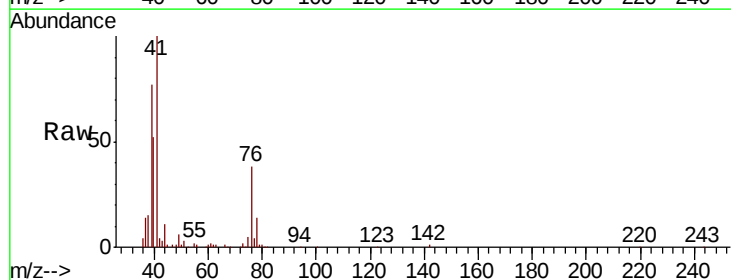
Tgt Ion: 41 Resp: 62663

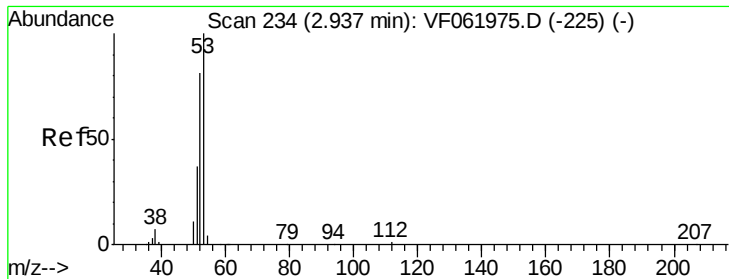
Ion Ratio Lower Upper

41 100

39 77.0 66.8 100.2

76 37.9 31.1 46.7





#15

Acrylonitrile

Concen: 106.278 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

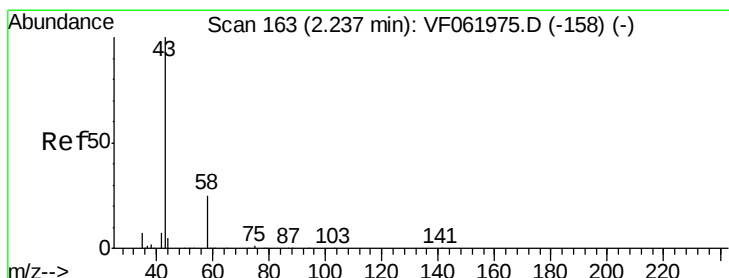
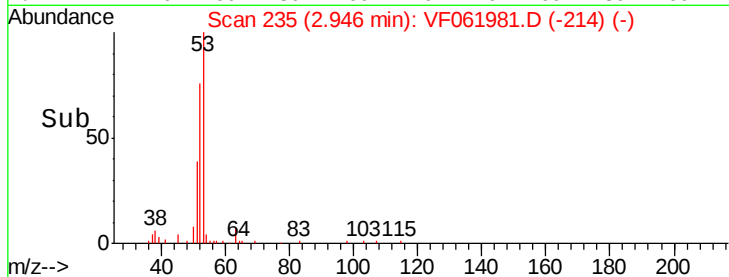
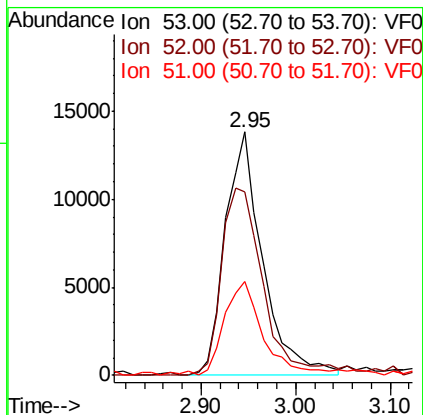
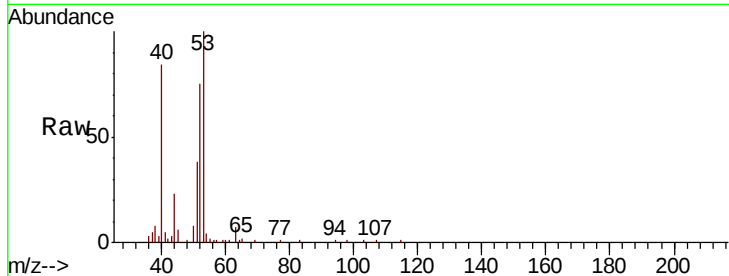
ClientSampleId :

VF0316SBS01

Tot Ion:	53	Resp:	38007
Ion Ratio	Lower	Upper	
53	100		
52	75.3	64.4	96.6
51	38.4	30.3	45.5

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#16

Acetone

Concen: 98.936 ug/l

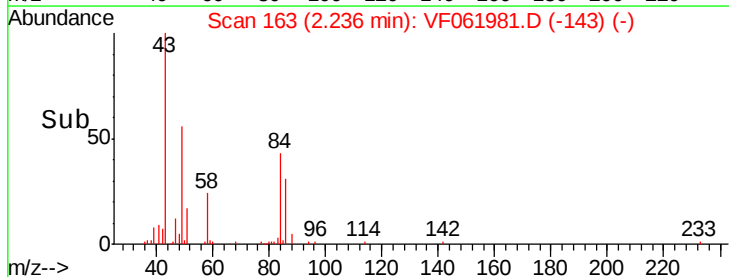
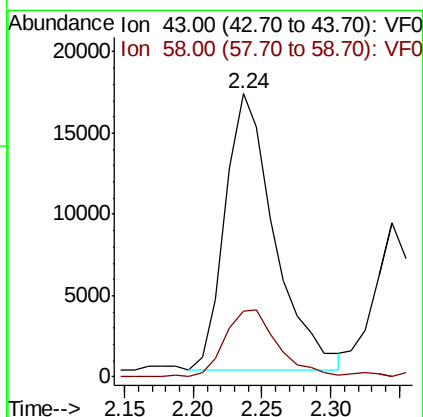
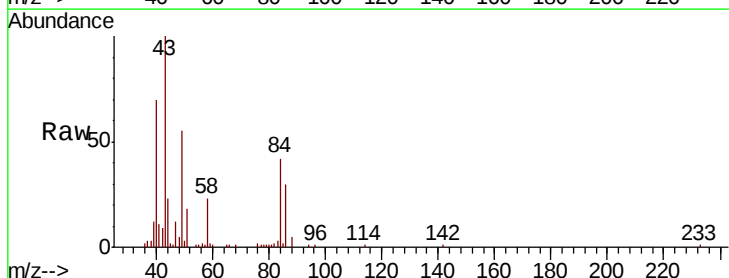
RT: 2.24 min Scan# 163

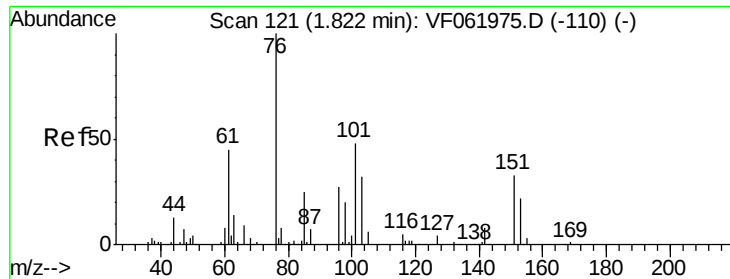
Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Tgt Ion:	43	Resp:	42697
Ion Ratio	Lower	Upper	
43	100		
58	23.4	19.9	29.9





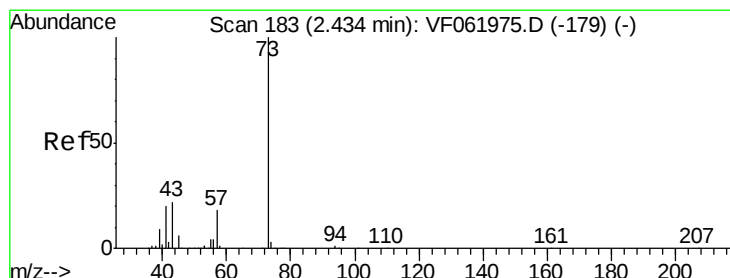
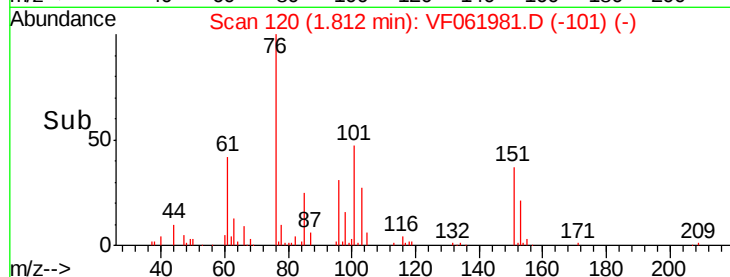
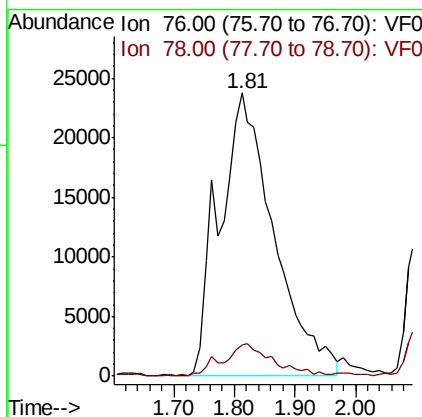
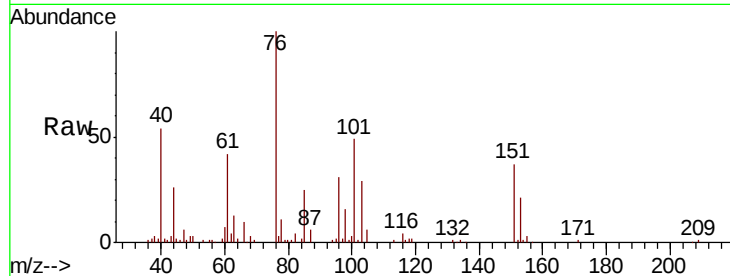
#17
Carbon Disulfide
Concen: 22.922 ug/l m
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBSD01

Tot Ion: 76 Resp: 149312
Ion Ratio Lower Upper
76 100
78 11.0 6.8 10.2#

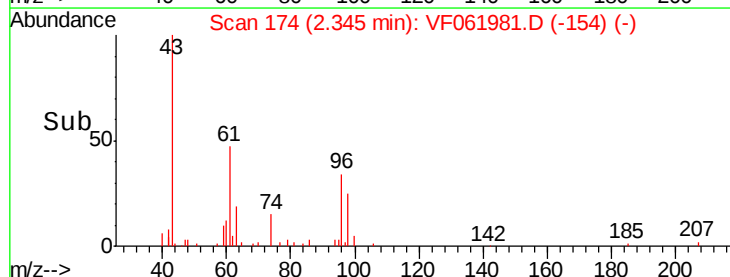
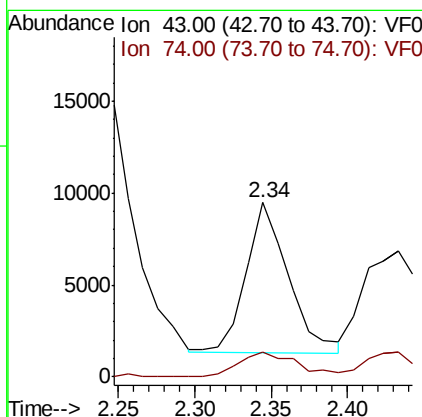
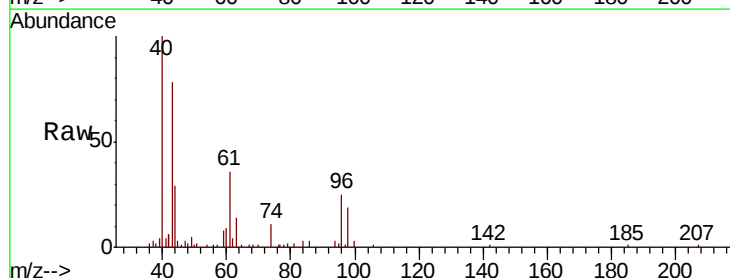
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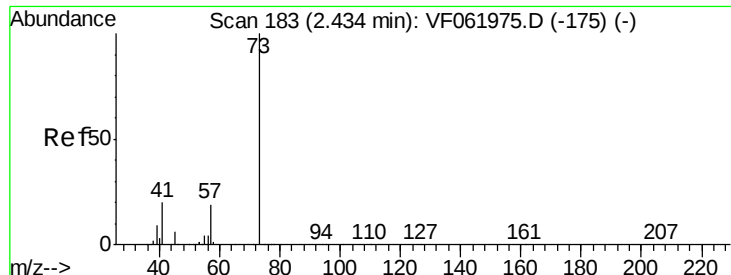
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#18
Methyl Acetate
Concen: 16.356 ug/l m
RT: 2.34 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 43 Resp: 15996
Ion Ratio Lower Upper
43 100
74 14.1 18.3 27.5#





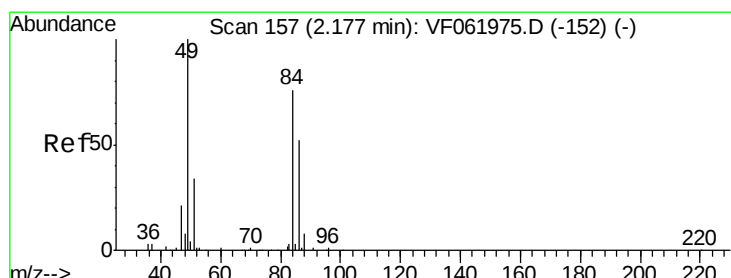
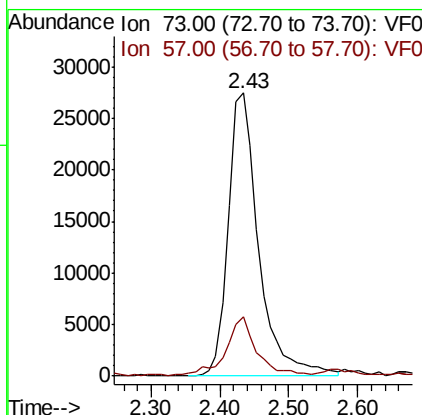
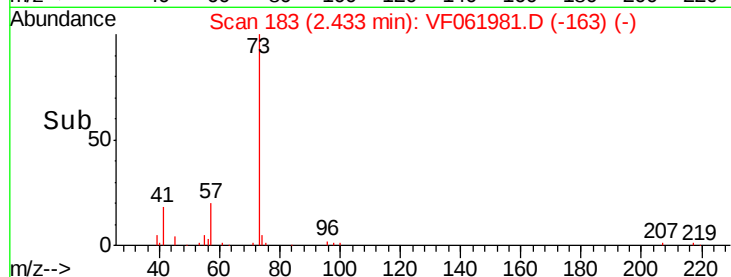
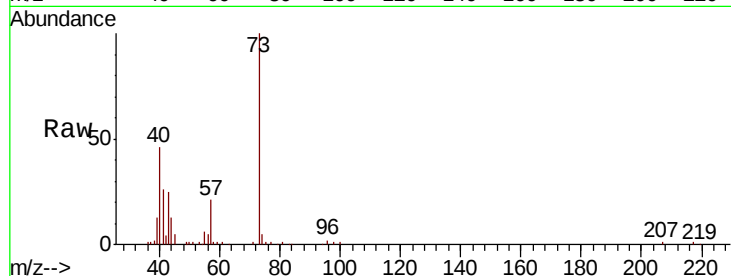
#19
Methyl tert-butyl Ether
Concen: 20.651 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	15.3	22.9

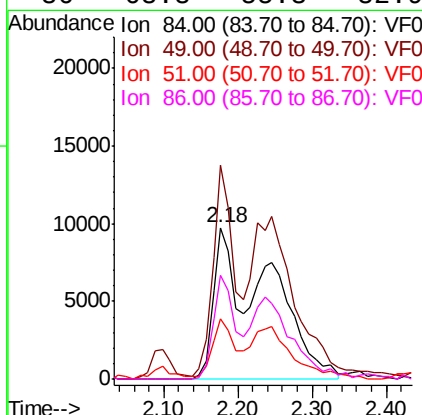
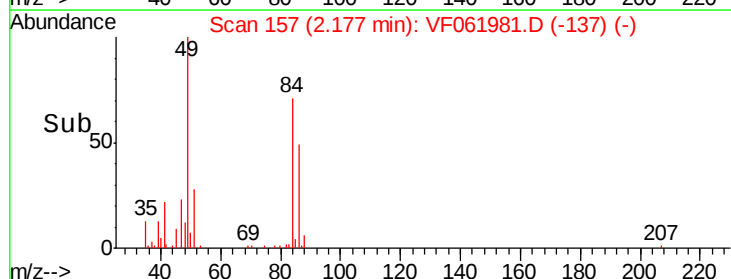
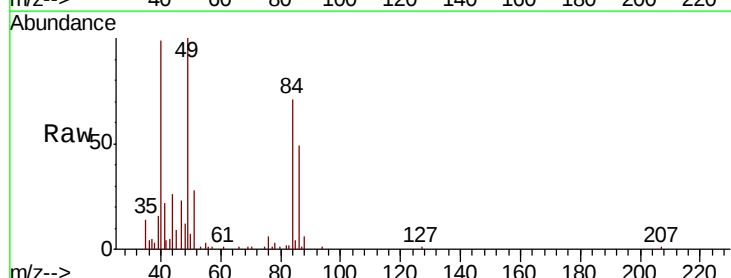
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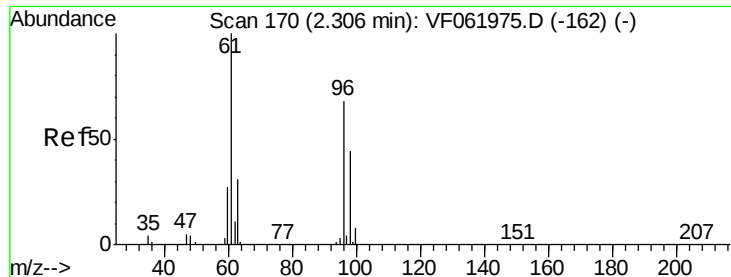
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#20
Methylene Chloride
Concen: 21.733 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.3	107.0	160.6
51	39.7	37.2	55.8
86	68.8	55.3	82.9





#21

trans-1,2-Dichloroethene

Concen: 22.211 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

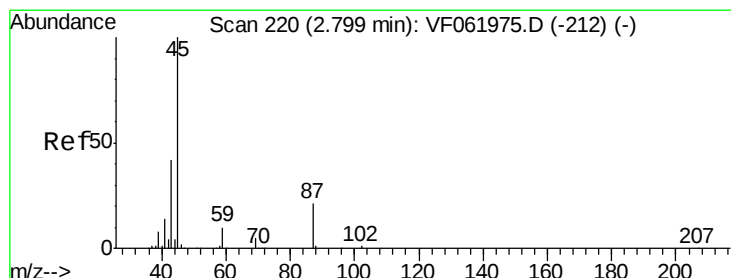
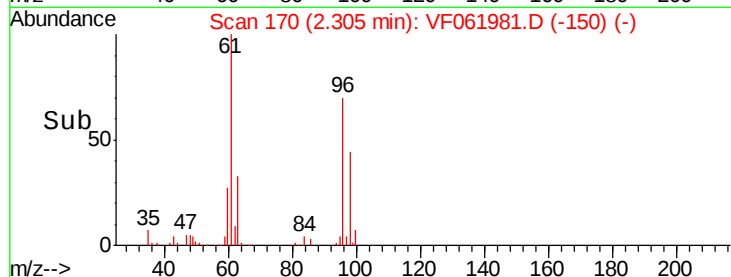
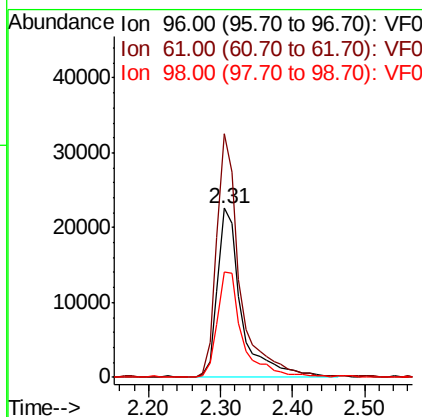
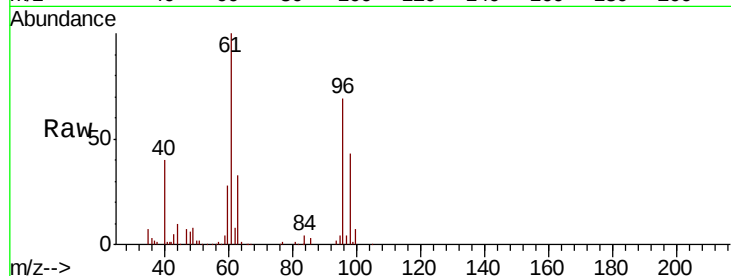
ClientSampleId :

VF0316SBSD01

Tot Ion:	96	Resp:	52231
Ion	Ratio	Lower	Upper
96	100		
61	144.3	117.4	176.2
98	62.5	51.2	76.8

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#22

Diisopropyl ether

Concen: 20.882 ug/l

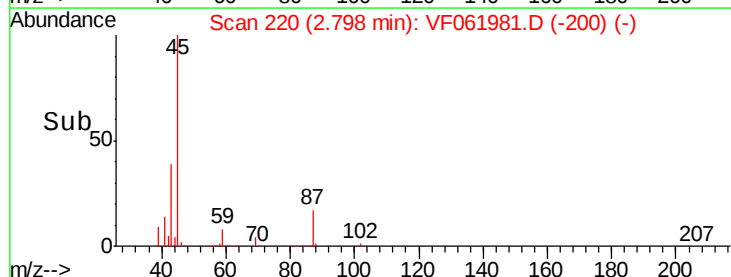
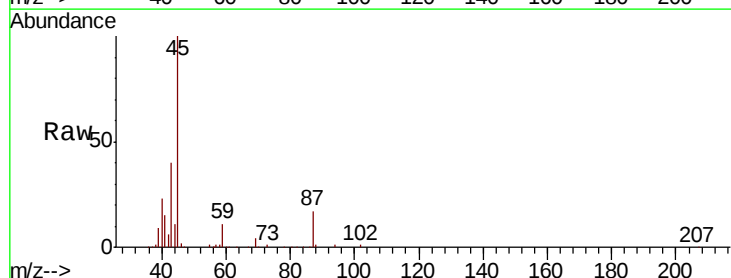
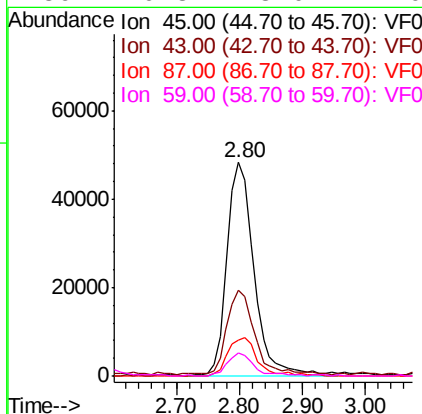
RT: 2.80 min Scan# 220

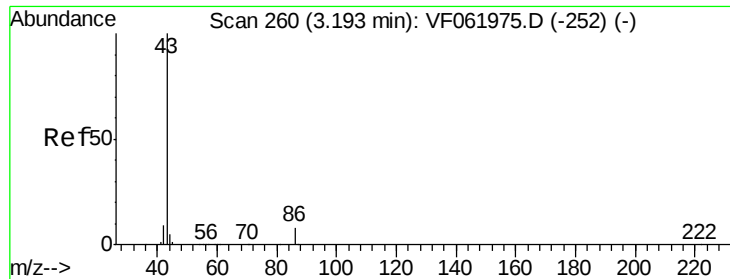
Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Tgt Ion:	45	Resp:	144479
Ion	Ratio	Lower	Upper
45	100		
43	40.0	33.7	50.5
87	16.9	17.1	25.7#
59	10.8	8.0	12.0





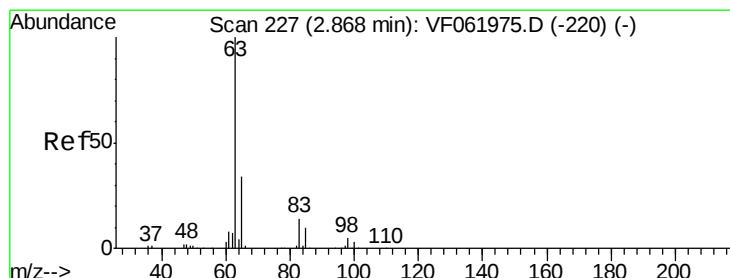
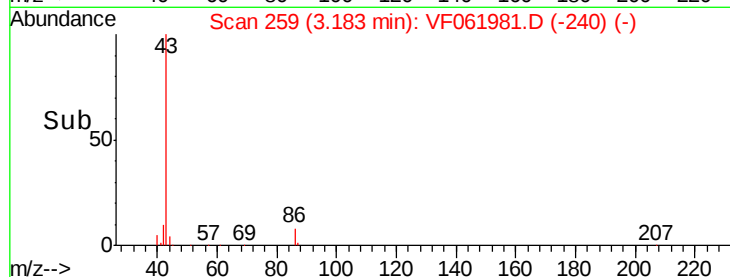
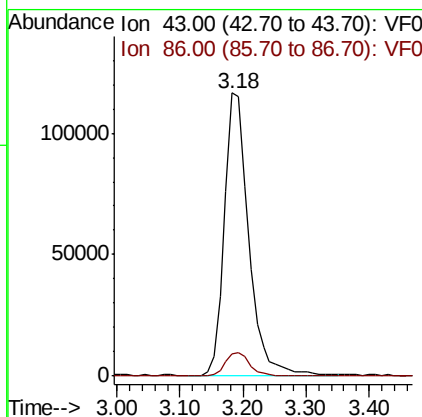
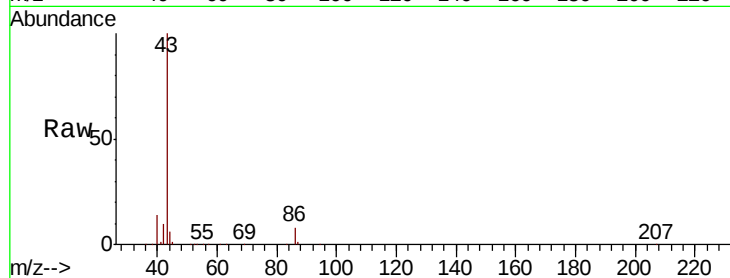
#23
 Vinyl Acetate
 Concen: 114.776 ug/l
 RT: 3.18 min Scan# 259
 Delta R.T. -0.01 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tot Ion	43	Resp	313044
Ion Ratio	Lower	Upper	
43	100		
86	7.7	6.5	9.7

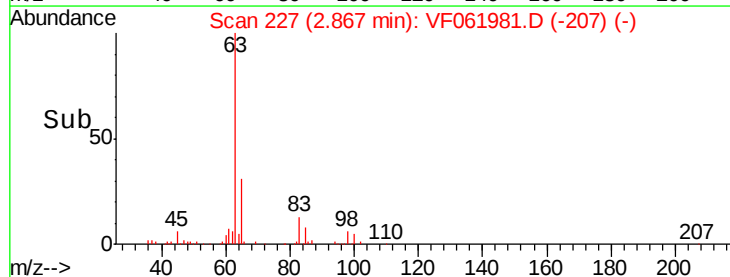
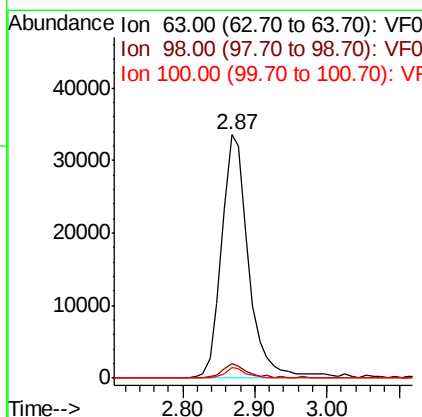
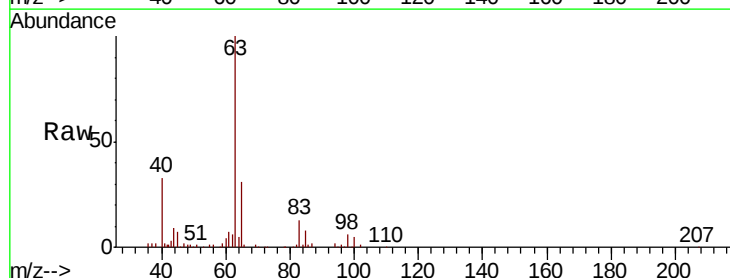
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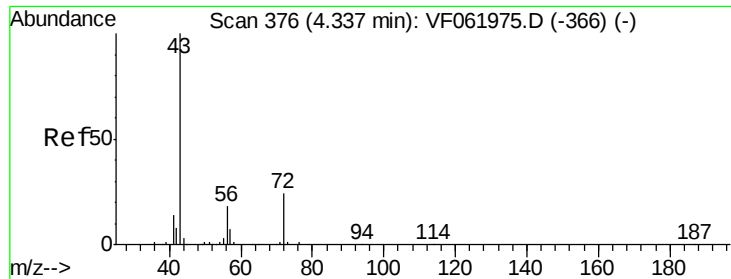
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#24
 1,1-Dichloroethane
 Concen: 21.646 ug/l
 RT: 2.87 min Scan# 227
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Tgt Ion	63	Resp	87083
Ion Ratio	Lower	Upper	
63	100		
98	6.1	2.7	8.1
100	4.6	1.7	5.0





#25

2-Butanone

Concen: 98.838 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion: 43 Resp: 84477

Ion Ratio Lower Upper

43 100

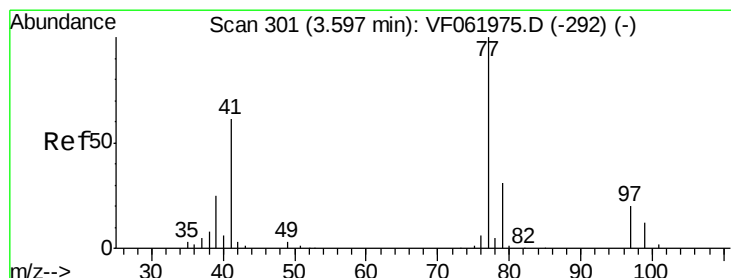
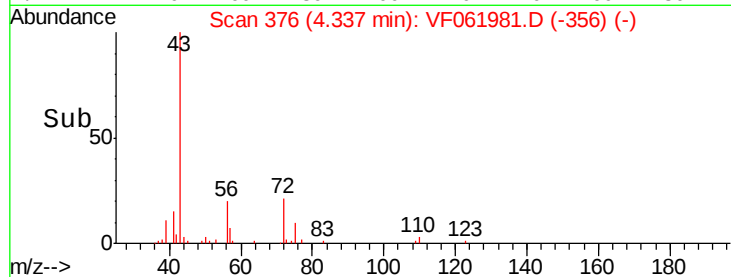
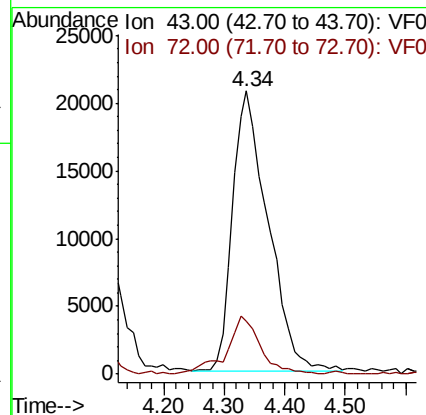
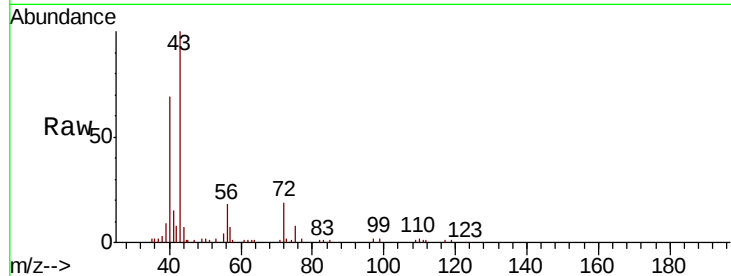
72 18.8 19.8 29.6#

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#26

2,2-Dichloropropane

Concen: 18.489 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.00 min

Lab File: VF061981.D

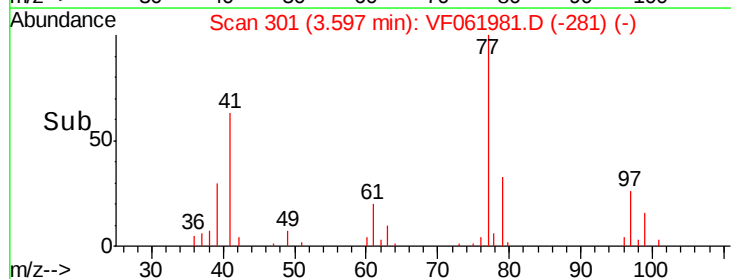
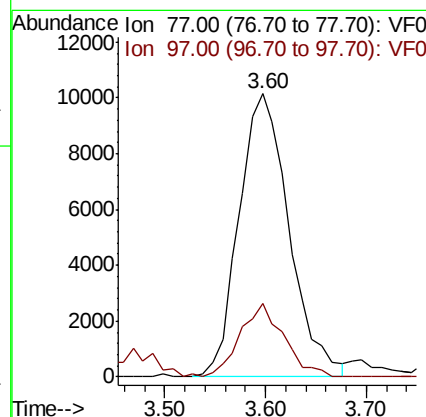
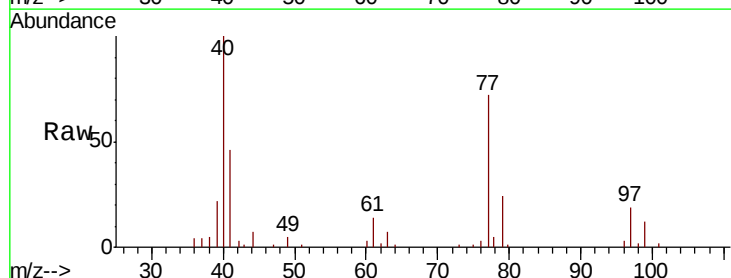
Acq: 16 Mar 2019 17:59

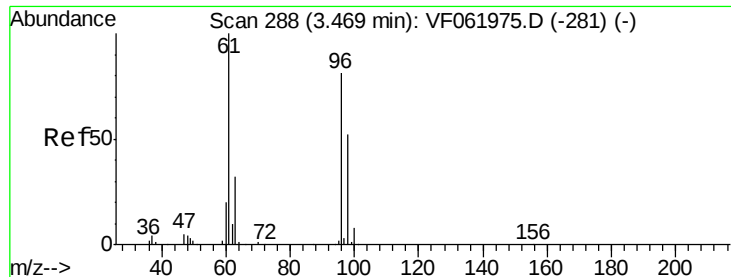
Tgt Ion: 77 Resp: 35085

Ion Ratio Lower Upper

77 100

97 25.9 10.8 32.4





#27

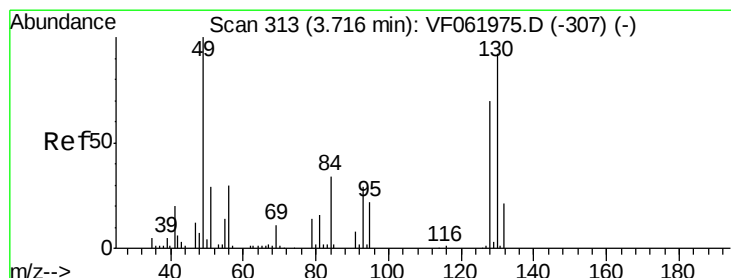
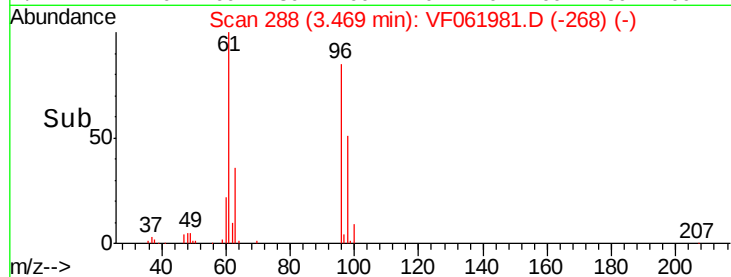
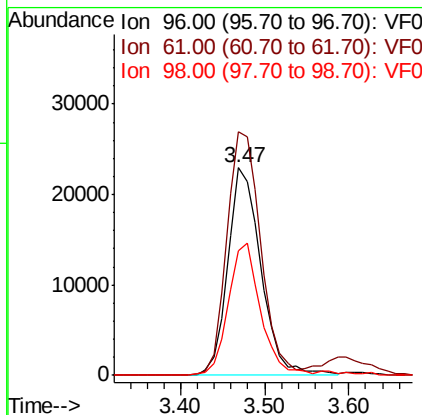
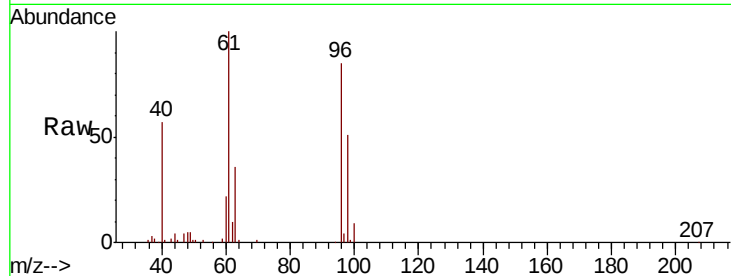
cis-1,2-Dichloroethene
 Concen: 21.225 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	117.5	0.0	246.6
98	60.3	0.0	129.2

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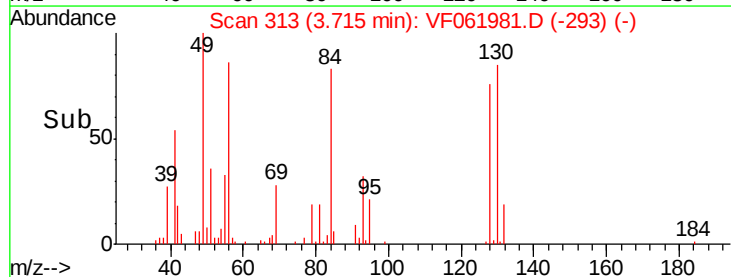
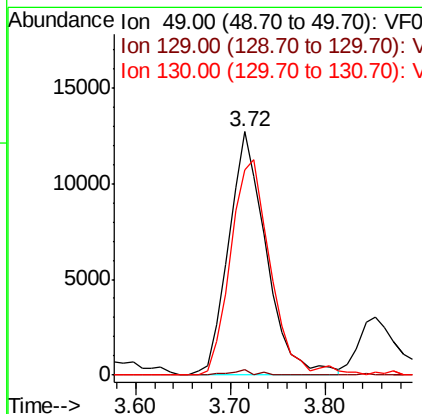
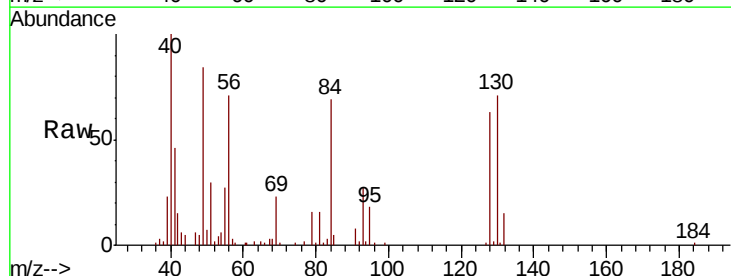
MMDadoda
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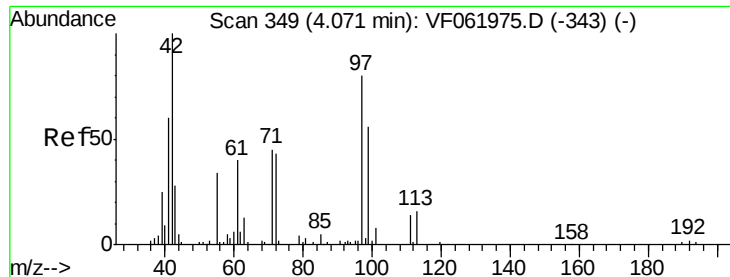


#28

Bromochloromethane
 Concen: 20.988 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.8
130	84.1	73.1	109.7





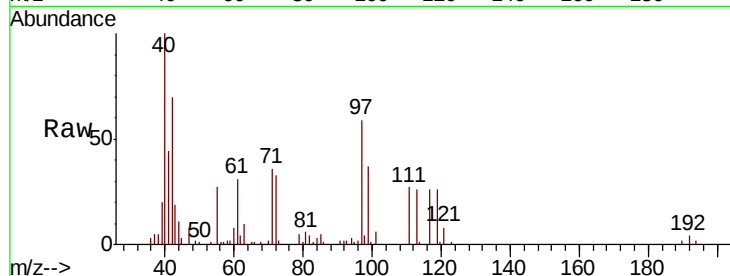
#29
Tetrahydrofuran
Concen: 101.070 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

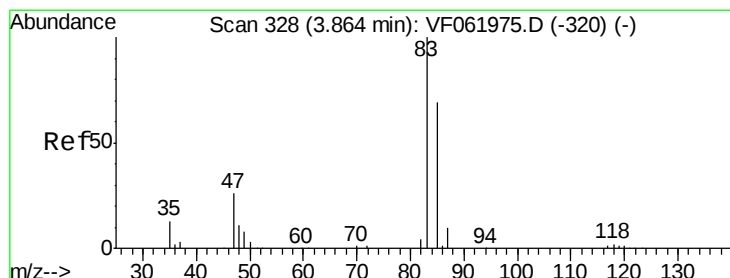
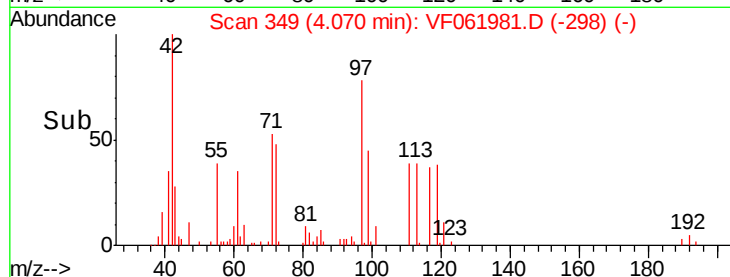
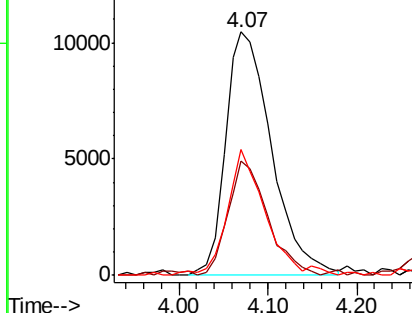
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	34.0	51.0
71	43.0	34.2	51.4

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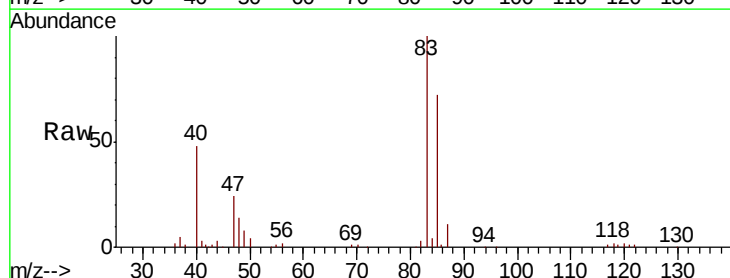


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

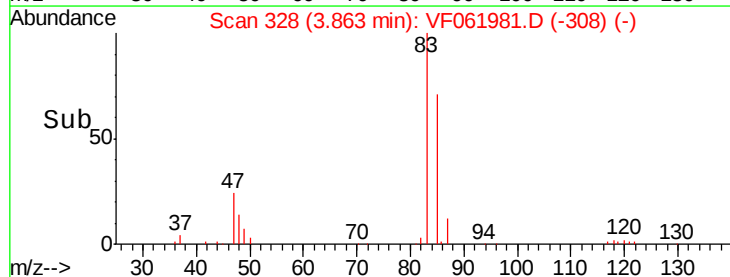
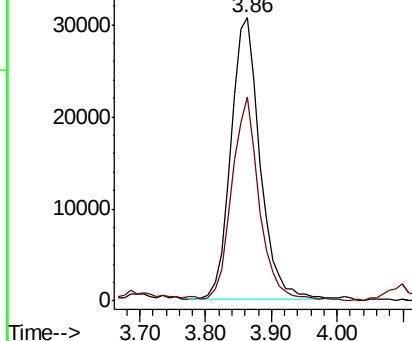


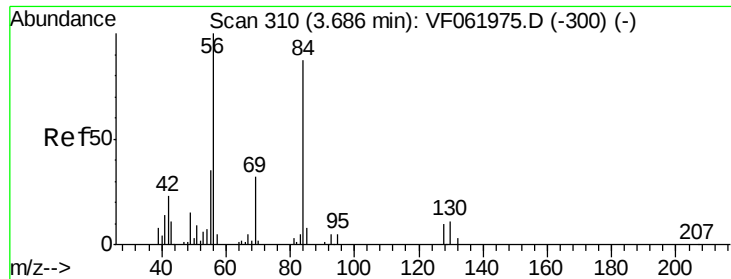
#30
Chloroform
Concen: 20.768 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.9	55.5	83.3



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





#31

Cyclohexane

Concen: 21.353 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

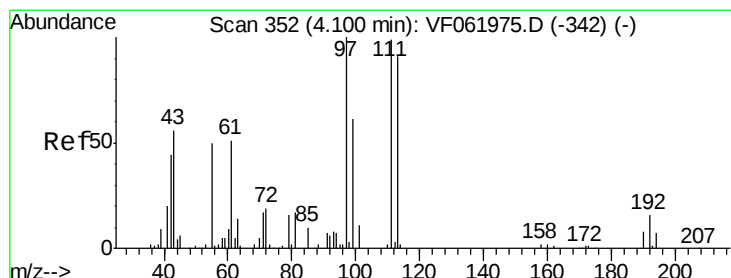
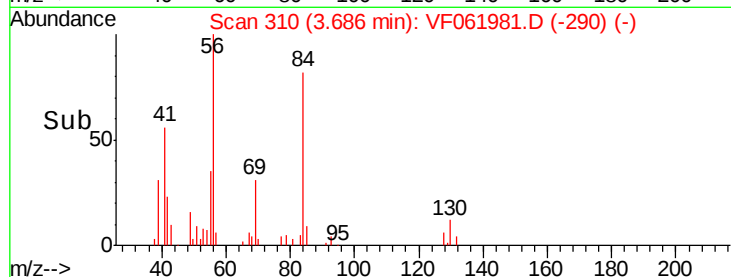
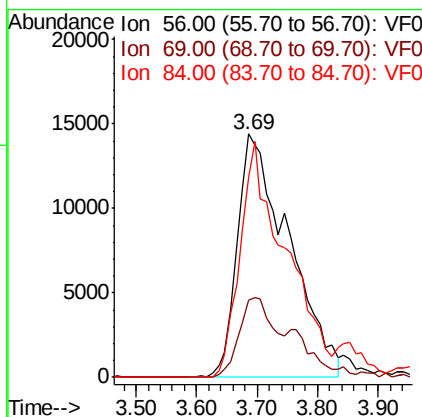
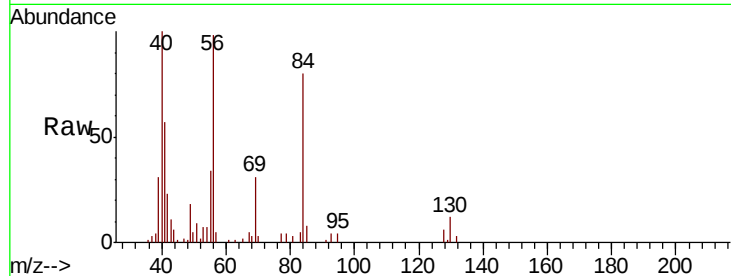
ClientSampleId :

VF0316SBS01

Tot Ion:	56	Resp:	84861
Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.8	38.8
84	82.3	69.5	104.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.286 ug/l

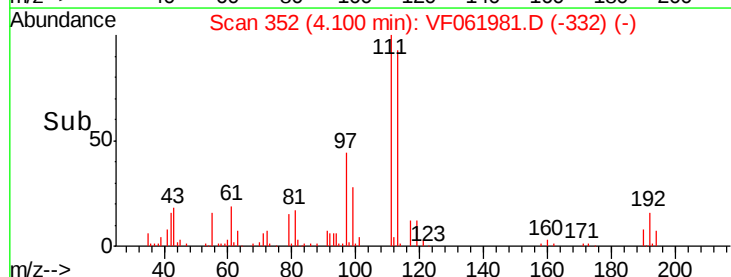
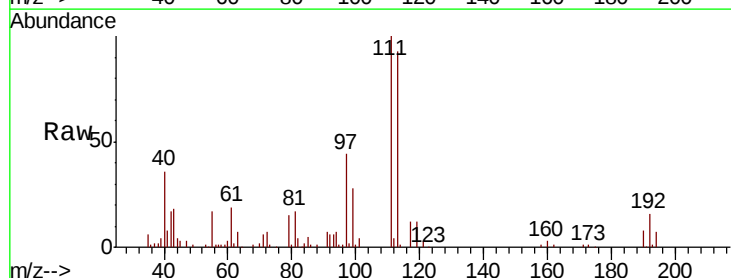
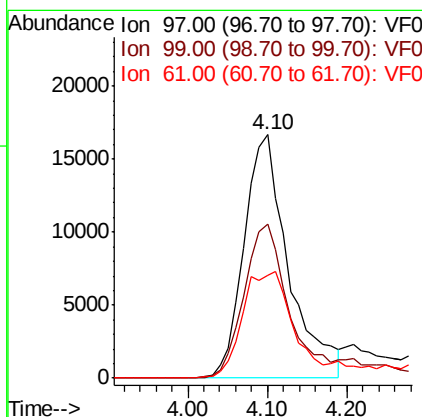
RT: 4.10 min Scan# 352

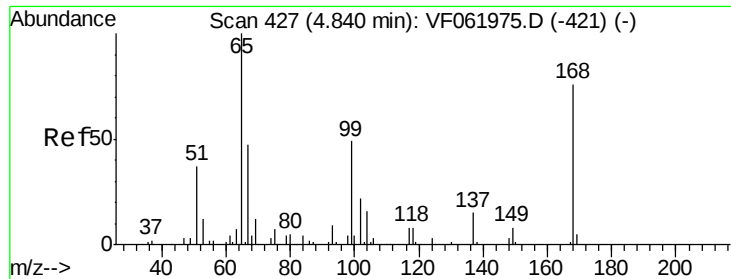
Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Tgt Ion:	97	Resp:	64436
Ion	Ratio	Lower	Upper
97	100		
99	63.4	49.0	73.4
61	42.4	41.4	62.0





#33

1,2-Dichloroethane-d4

Concen: 51.555 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.00 min

Lab File: VF061981.D

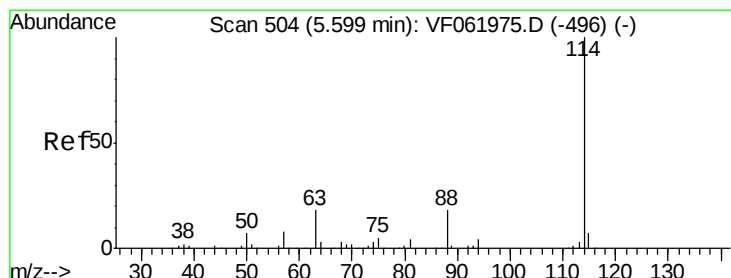
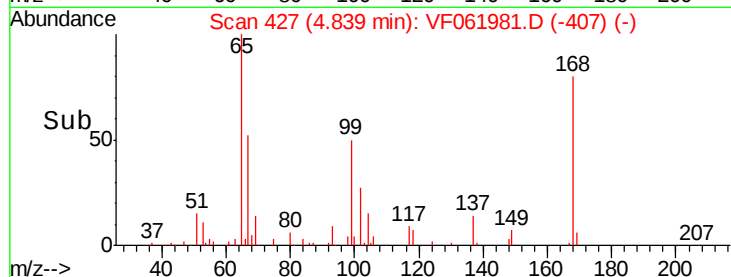
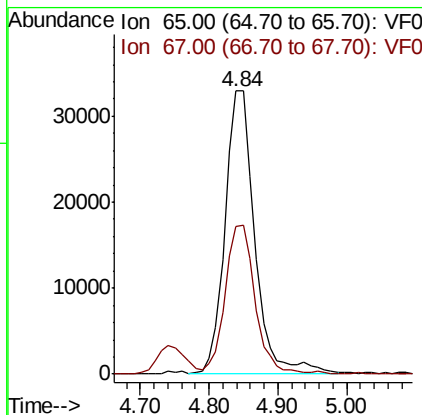
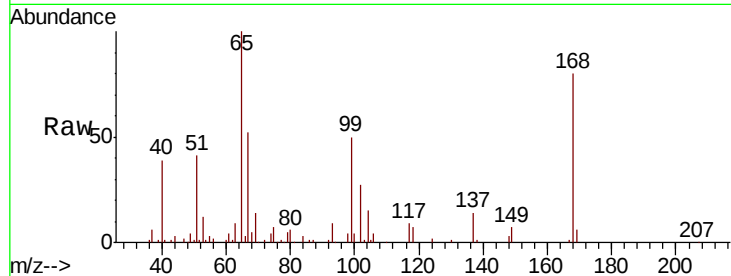
Acq: 16 Mar 2019 17:59

Tot Ion	Ratio	Resp	Lower	Upper
65	100	99082		
67	52.4	0.0	109.4	

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

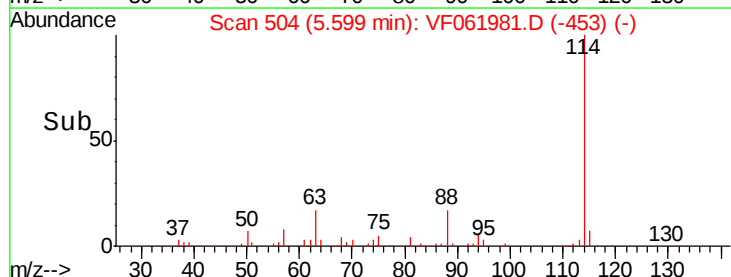
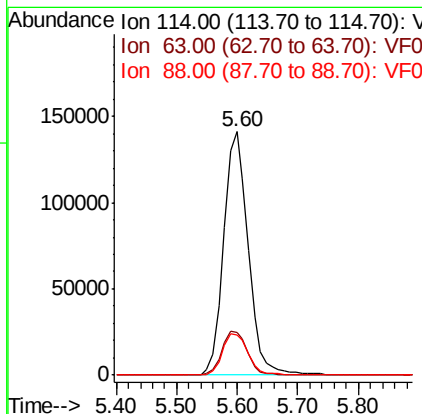
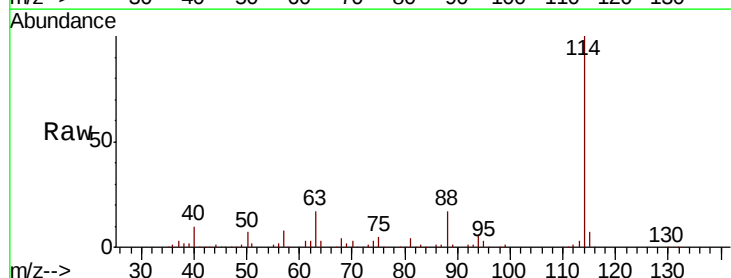
RT: 5.60 min Scan# 504

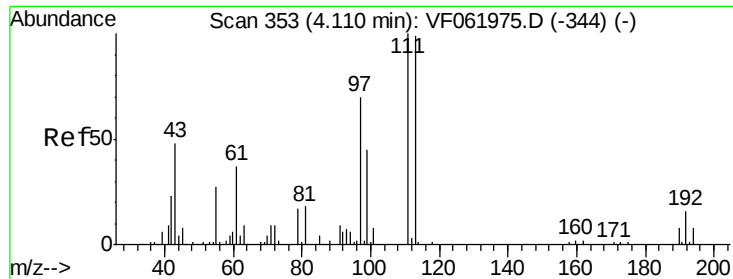
Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	397021		
63	17.4	0.0	36.4	
88	16.6	0.0	36.4	





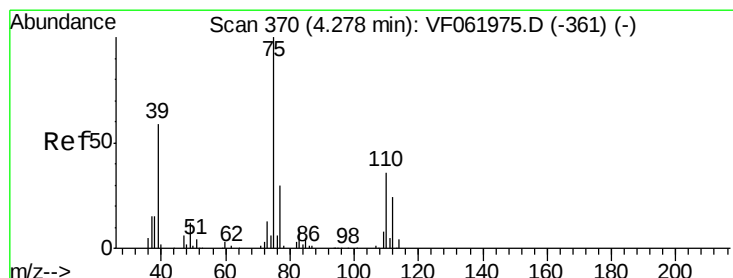
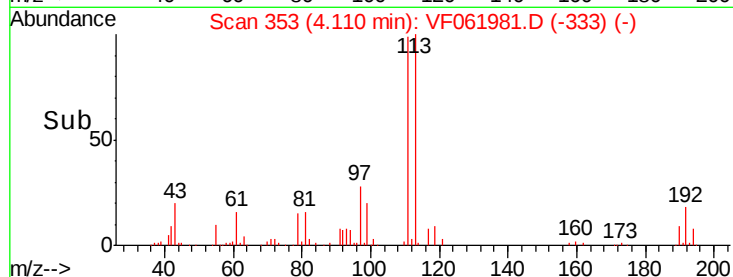
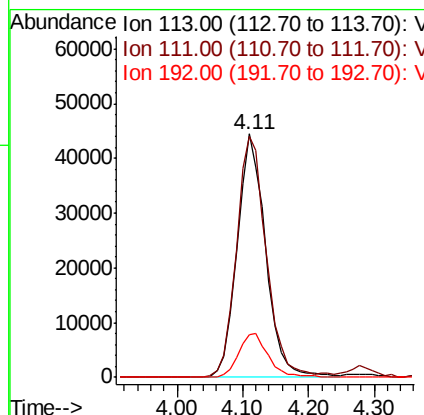
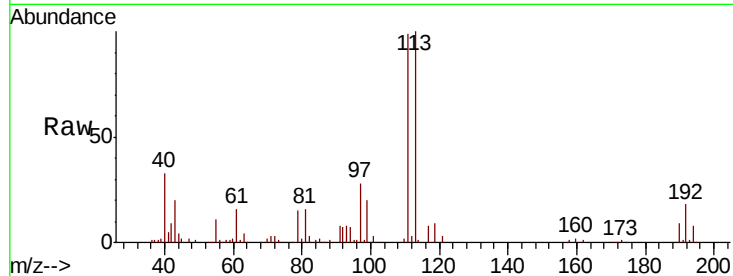
#35
 Dibromofluoromethane
 Concen: 50.723 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	135231		
111	98.8	80.8	121.2	
192	17.6	13.0	19.6	

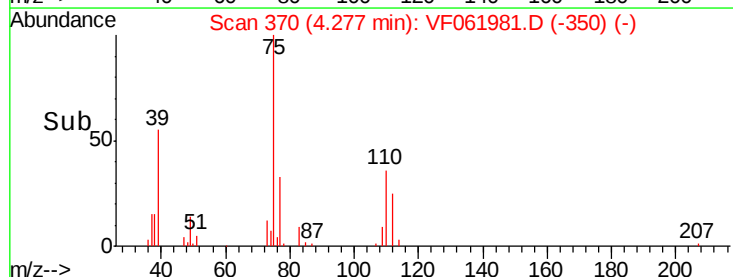
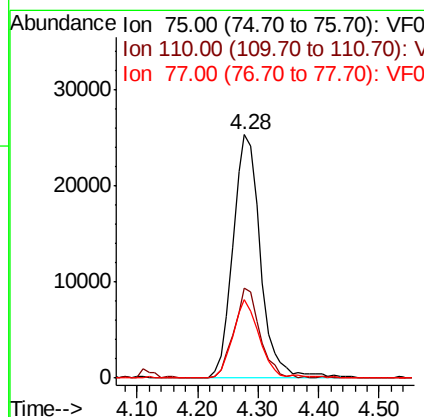
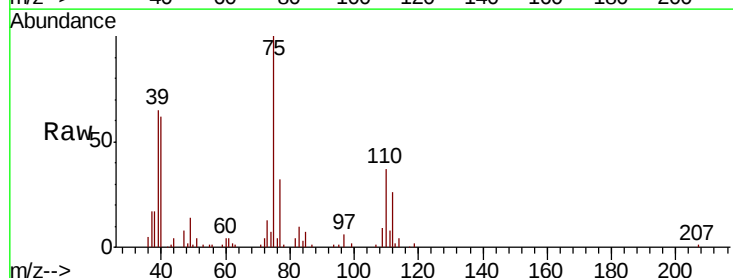
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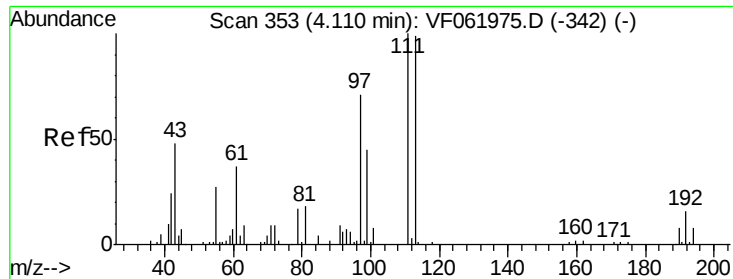
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#36
 1,1-Dichloropropene
 Concen: 22.342 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80103		
110	36.8	17.8	53.3	
77	32.4	24.2	36.2	





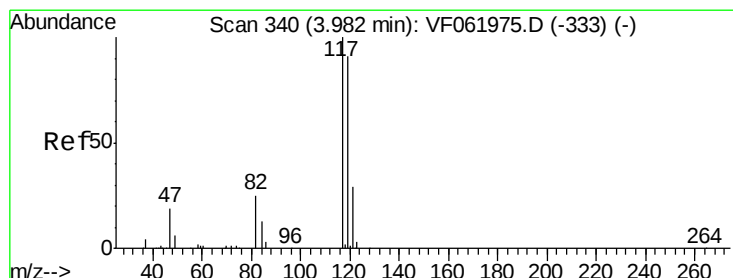
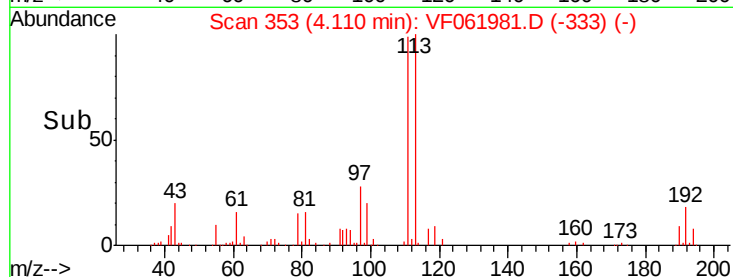
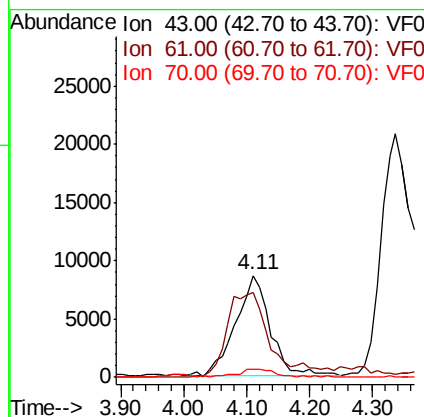
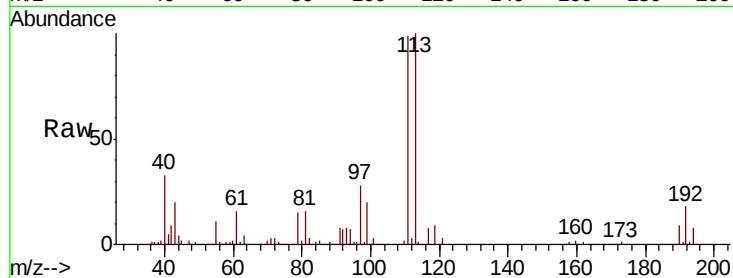
#37
Ethyl Acetate
Concen: 19.647 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBSD01

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
43	100						31628
61	84.0				59.8	89.6	
70	8.1				7.8	11.8	

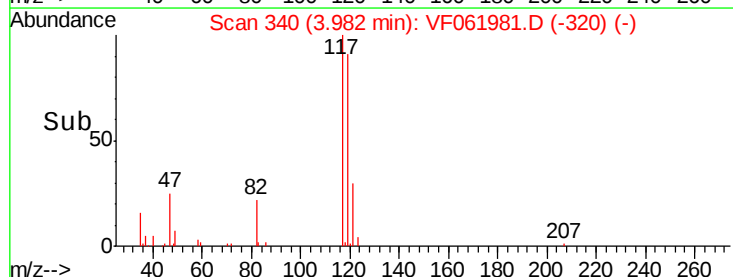
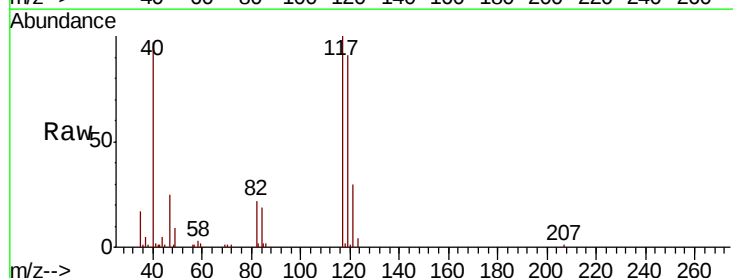
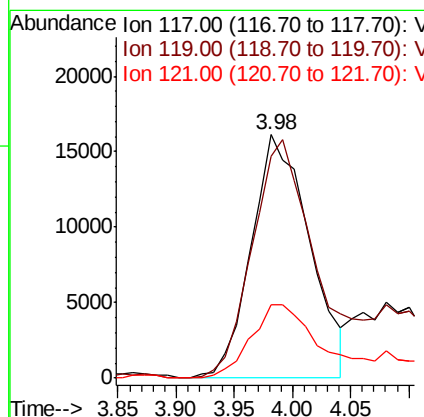
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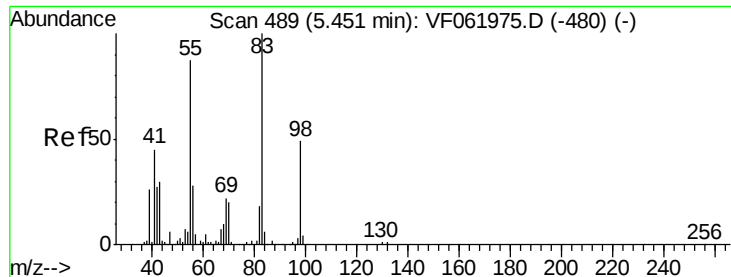
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#38
Carbon Tetrachloride
Concen: 21.384 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
117	100						56031
119	90.9				73.0	109.4	
121	30.2				23.0	34.6	





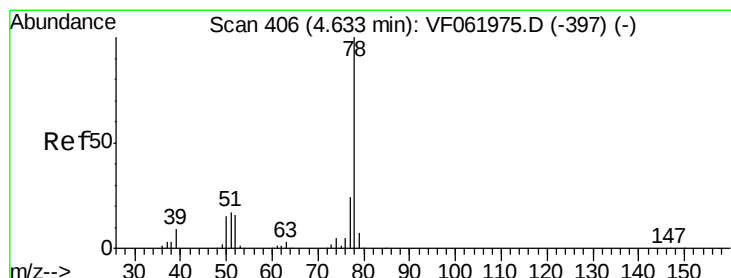
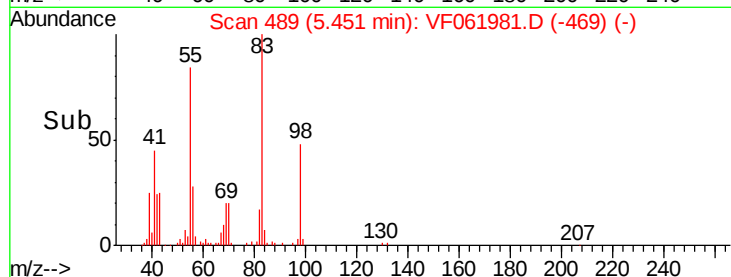
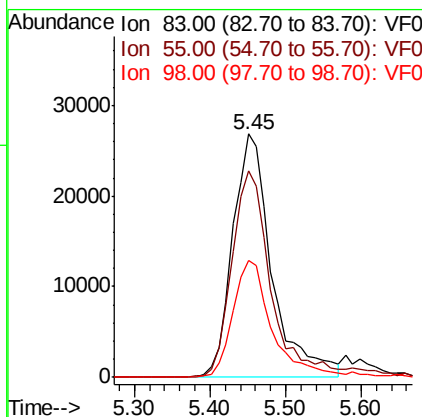
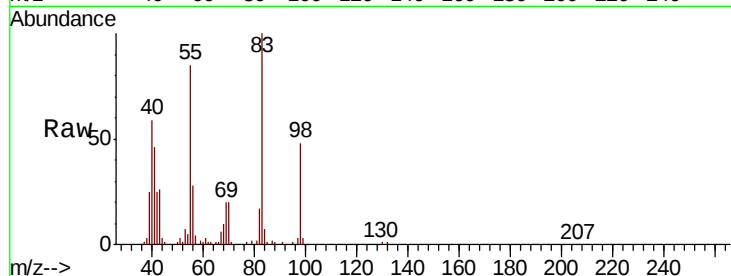
#39
Methvlcvclohexane
Concen: 22.922 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.8	69.7	104.5
98	47.9	39.4	59.0

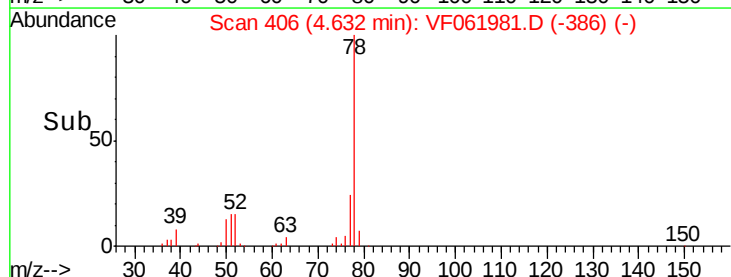
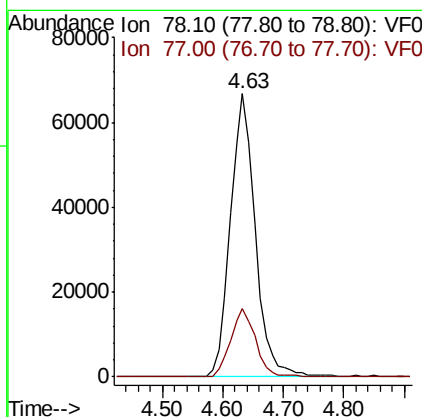
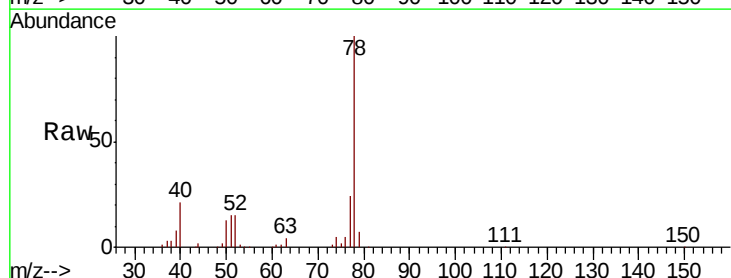
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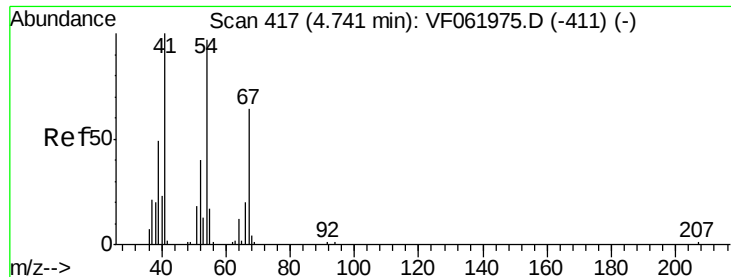
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#40
Benzene
Concen: 20.119 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





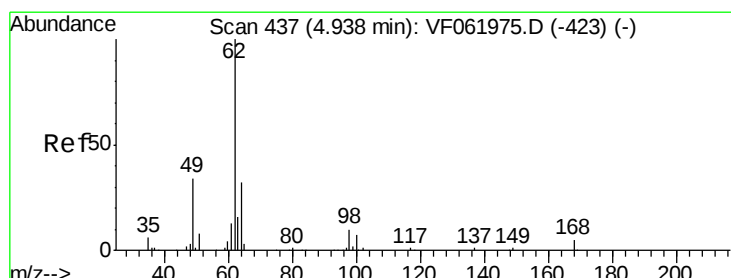
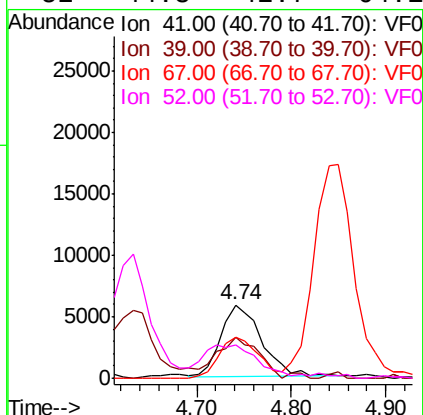
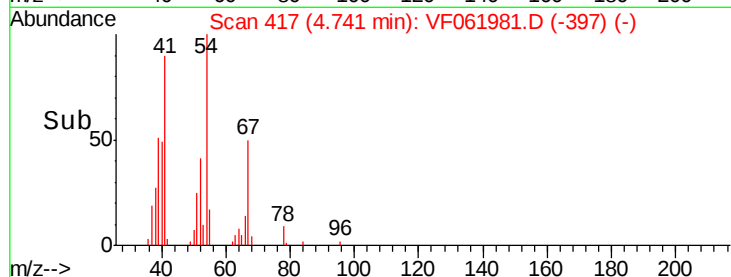
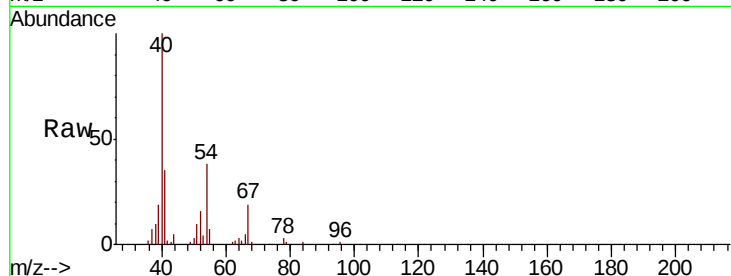
#41
Methacrylonitrile
Concen: 20.407 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.5	46.2	69.4
67	55.1	49.8	74.8
52	44.8	42.7	64.1

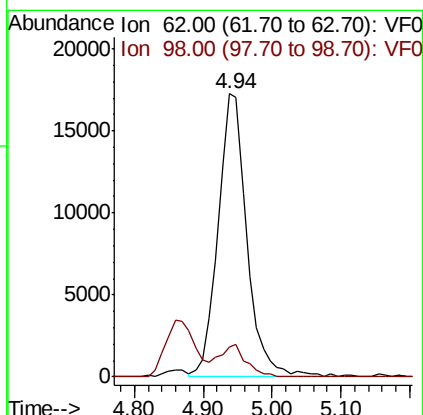
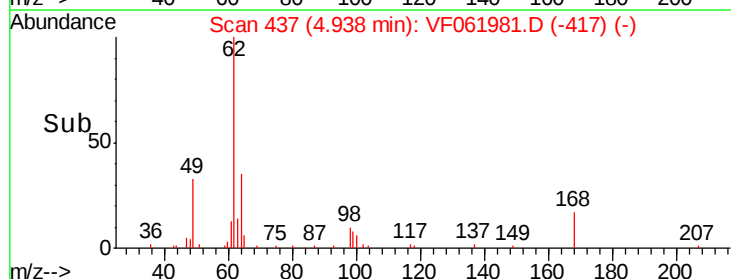
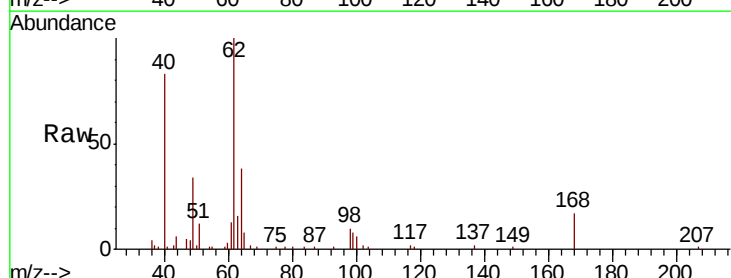
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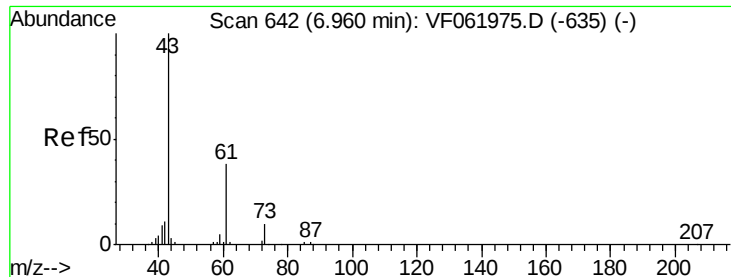
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.192 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.8





#43

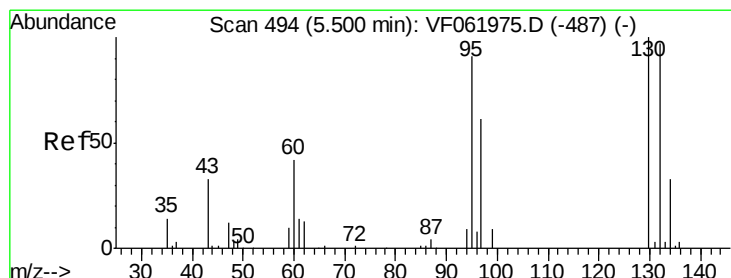
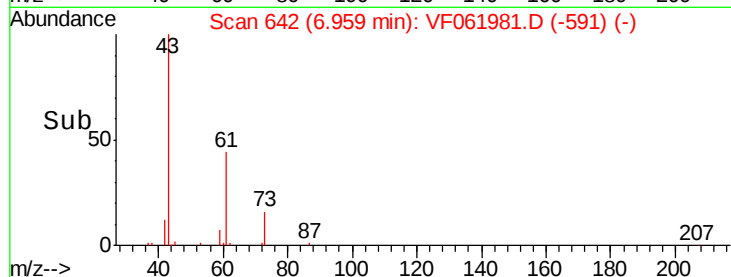
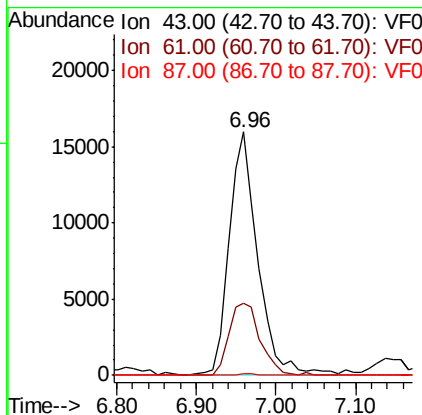
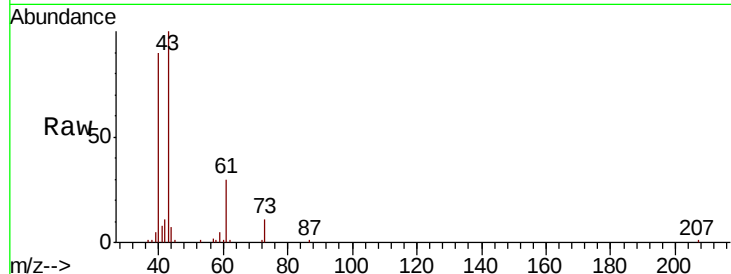
Isopropyl Acetate
 Concen: 21.020 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.6	30.1	45.1#
87	0.7	0.4	0.6#

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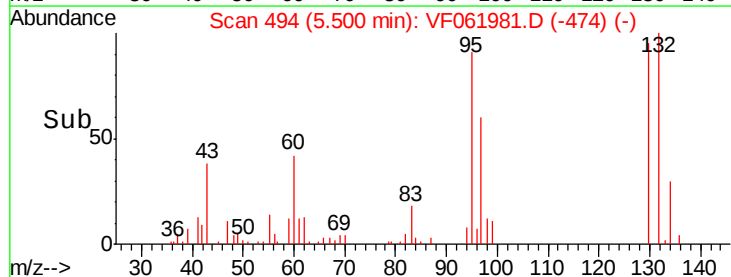
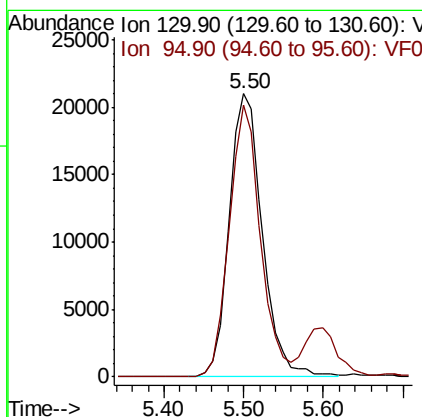
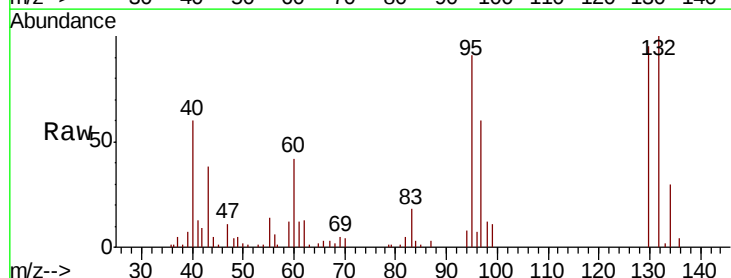
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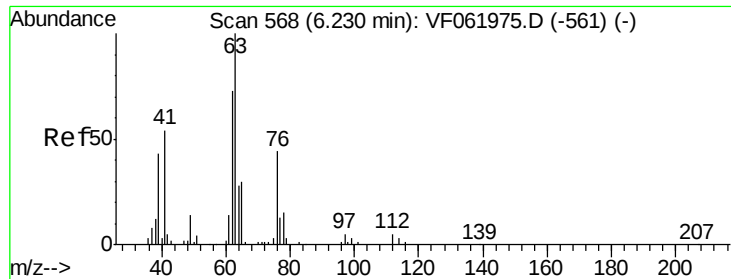


#44

Trichloroethene
 Concen: 20.892 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	181.4





#45

1,2-Dichloropropane

Concen: 21.477 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion: 63 Resp: 48287

Ion Ratio Lower Upper

63 100

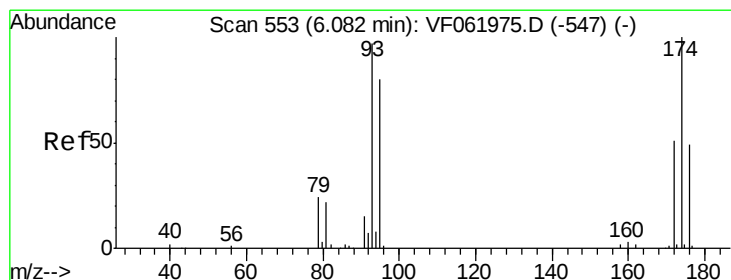
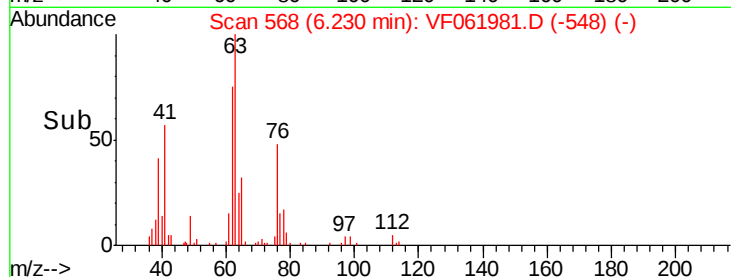
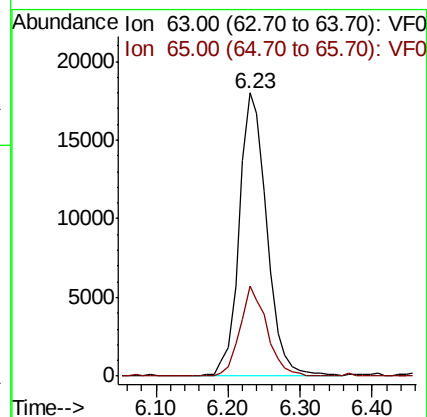
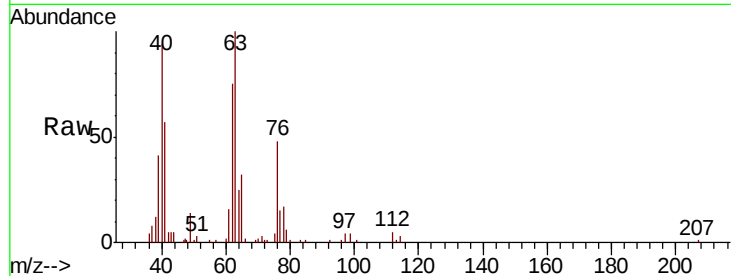
65 31.8 23.7 35.5

Manual Integrations

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#46

Dibromomethane

Concen: 21.804 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

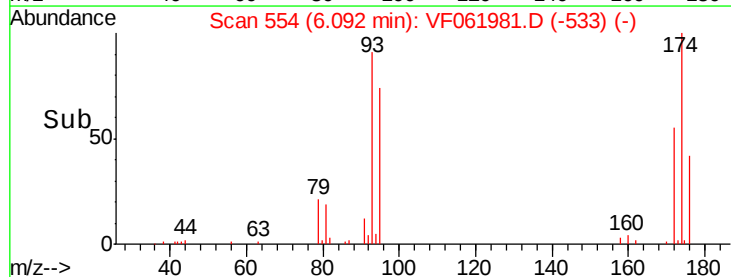
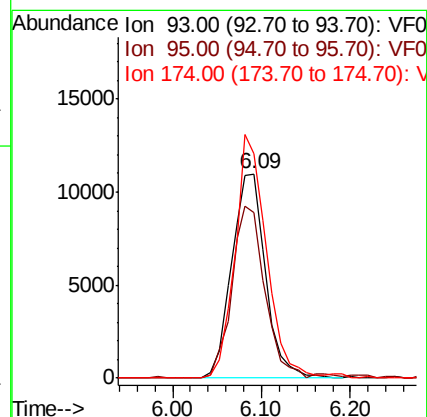
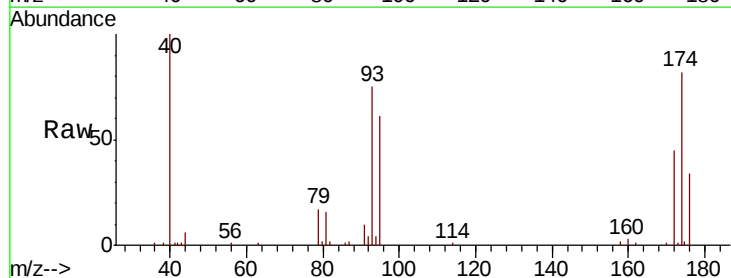
Tgt Ion: 93 Resp: 29162

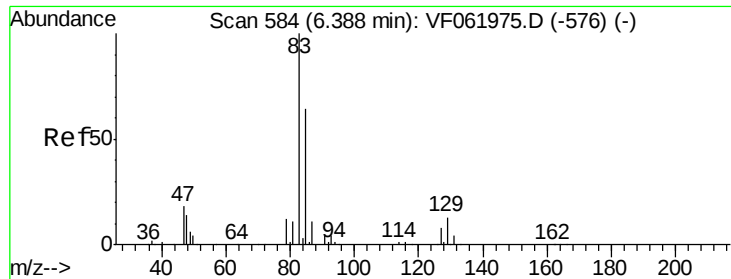
Ion Ratio Lower Upper

93 100

95 81.2 65.7 98.5

174 109.7 82.2 123.4





#47

Bromodichloromethane

Concen: 21.029 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

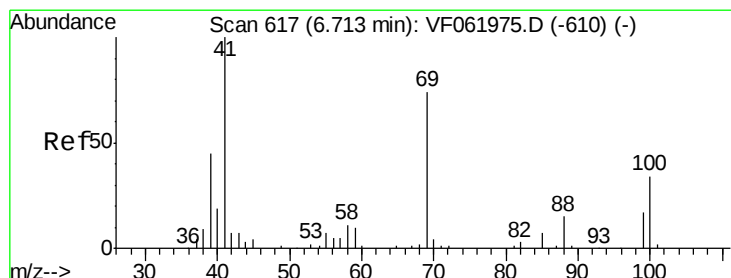
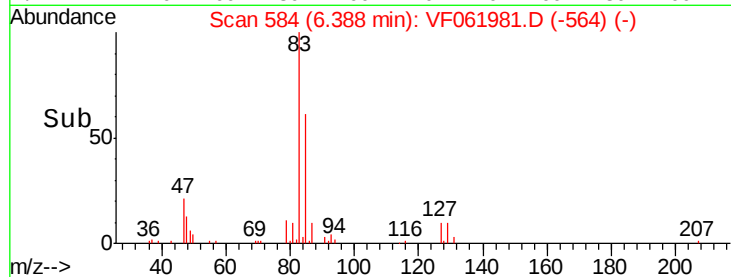
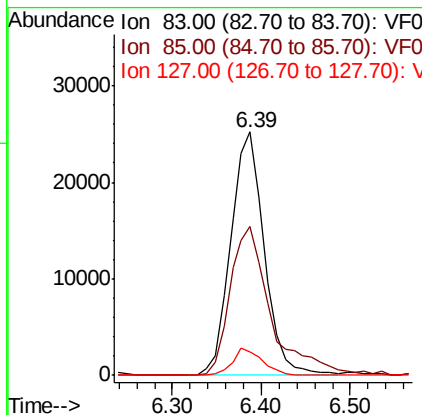
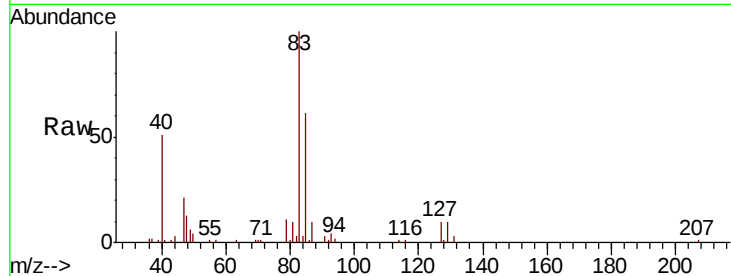
ClientSampleId :

VF0316SBS01

Tot Ion:	83	Resp:	66308
Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.4	77.2
127	9.6	6.5	9.7

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#48

Methyl methacrylate

Concen: 21.081 ug/l

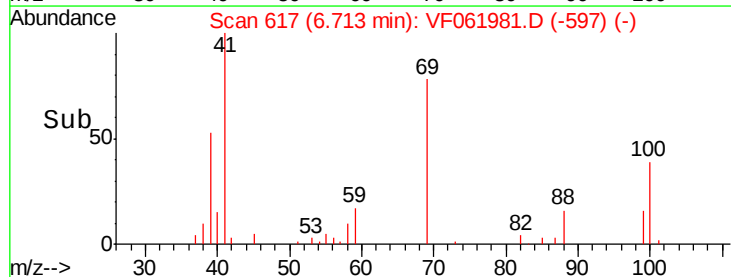
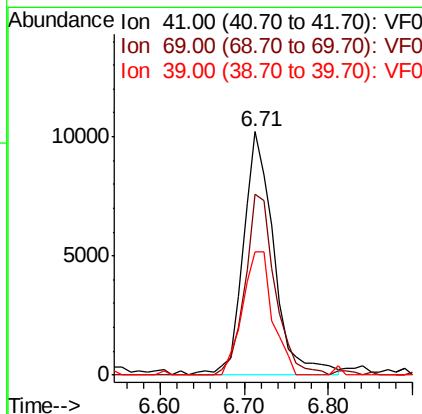
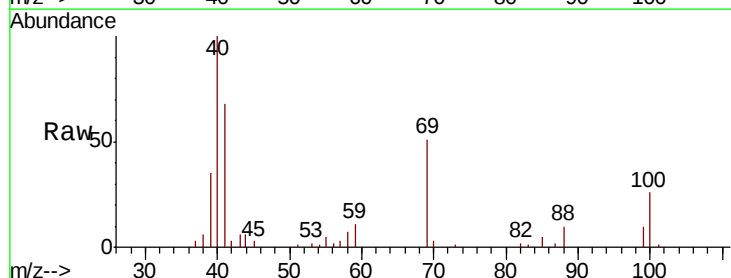
RT: 6.71 min Scan# 617

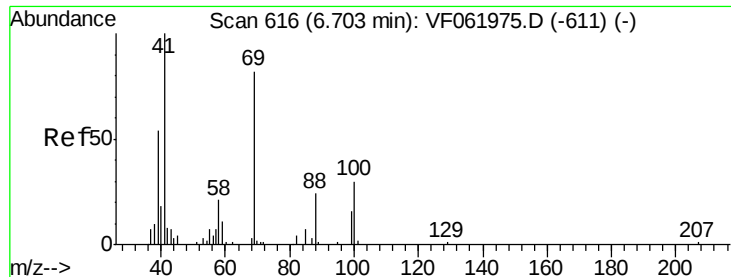
Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Tgt Ion:	41	Resp:	25950
Ion	Ratio	Lower	Upper
41	100		
69	74.5	59.0	88.6
39	50.8	35.6	53.4





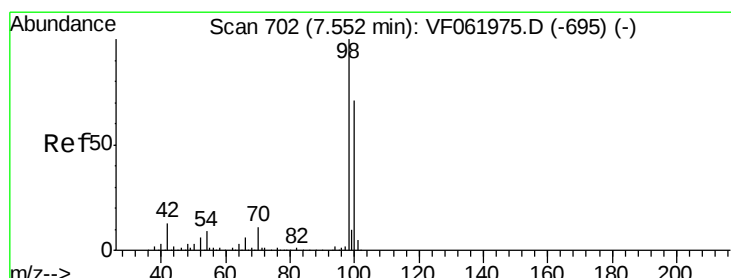
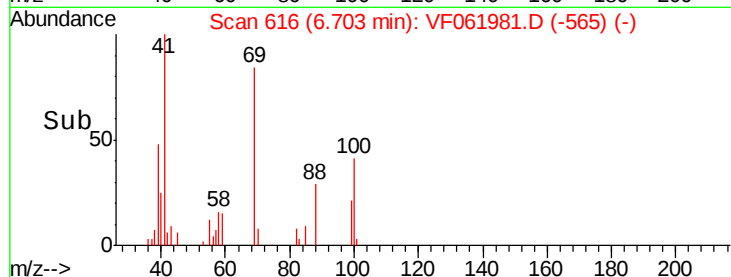
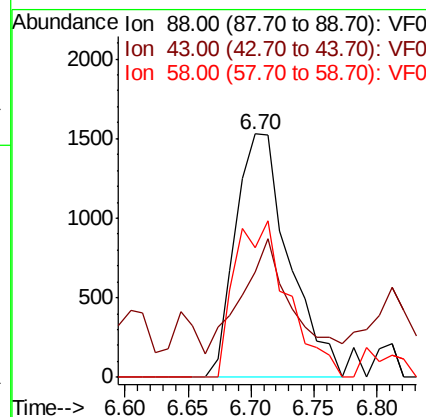
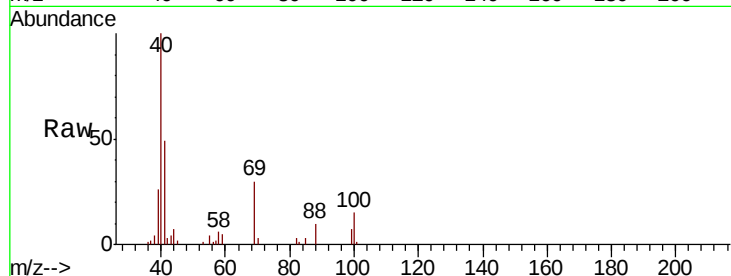
#49
1,4-Dioxane
Concen: 410.789 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.2	31.2	46.8
58	53.5	69.9	104.9#

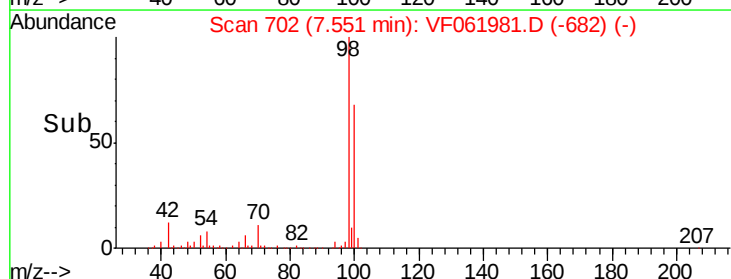
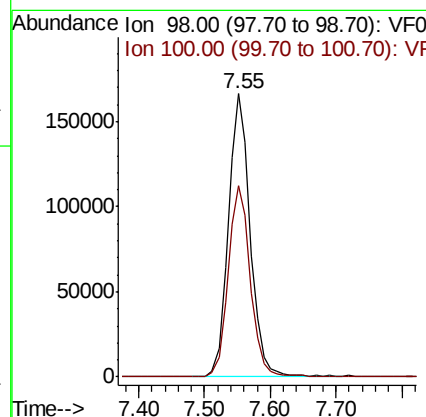
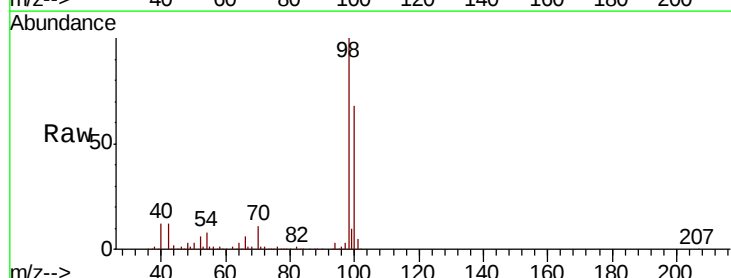
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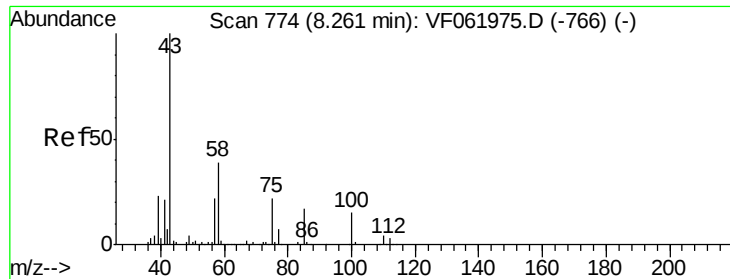
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#50
Toluene-d8
Concen: 49.434 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.8	56.8	85.2





#51

4-Methyl-2-Pentanone

Concen: 106.151 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion: 43 Resp: 143574

Ion Ratio Lower Upper

43 100

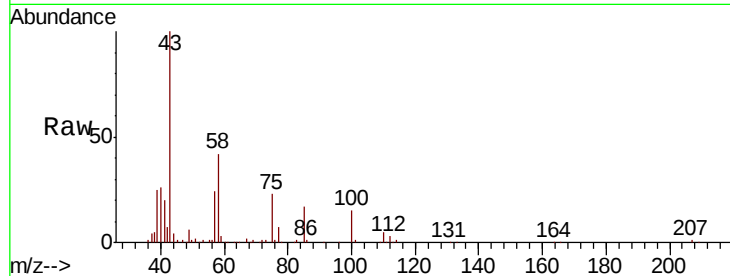
58 42.5 31.1 46.7

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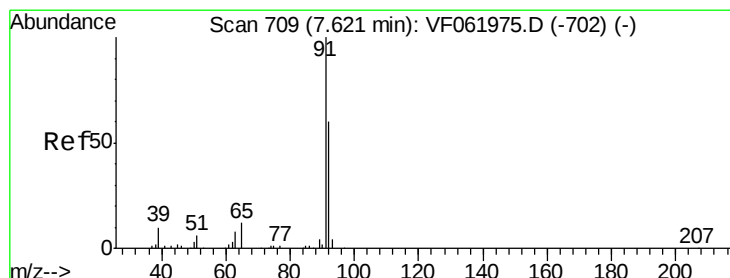
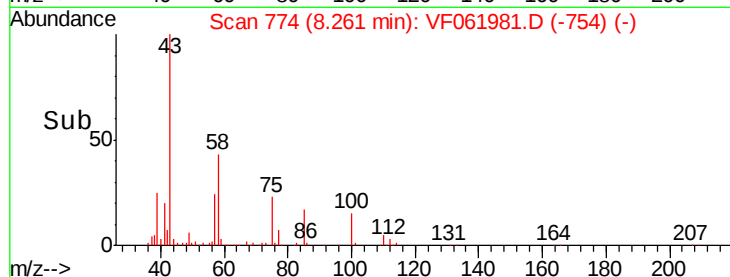
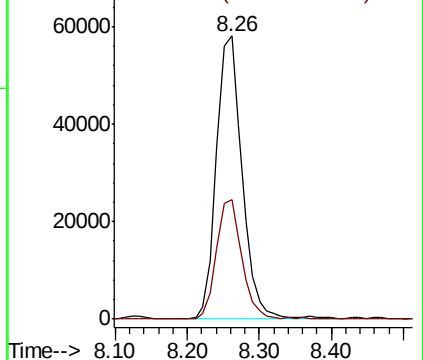
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.335 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061981.D

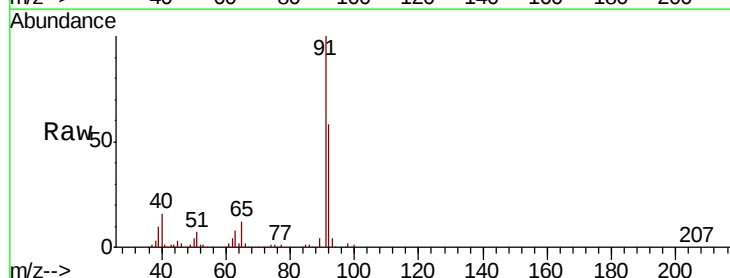
Acq: 16 Mar 2019 17:59

Tgt Ion: 92 Resp: 118035

Ion Ratio Lower Upper

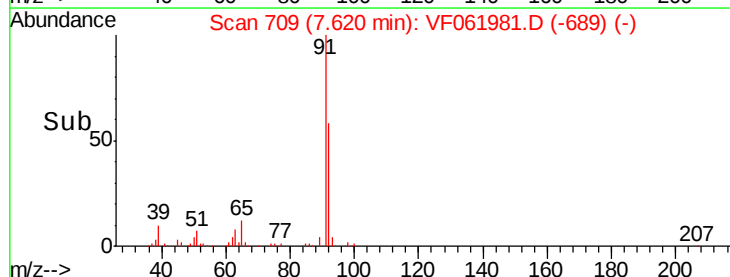
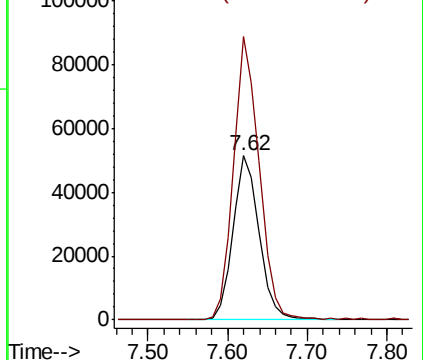
92 100

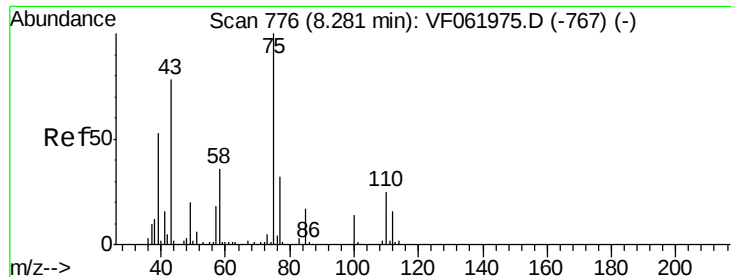
91 172.4 134.0 201.0



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: 21.376 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBSD01

Tot Ion: 75 Resp: 56904

Ion Ratio Lower Upper

75 100

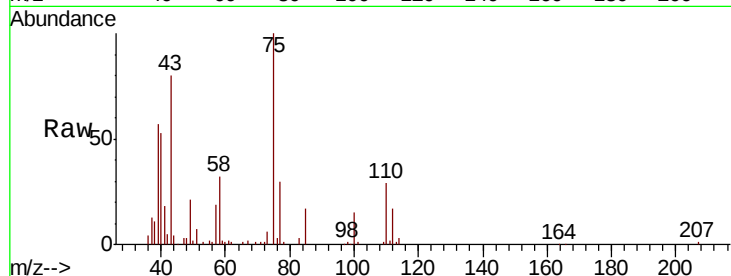
77 30.0 25.5 38.3

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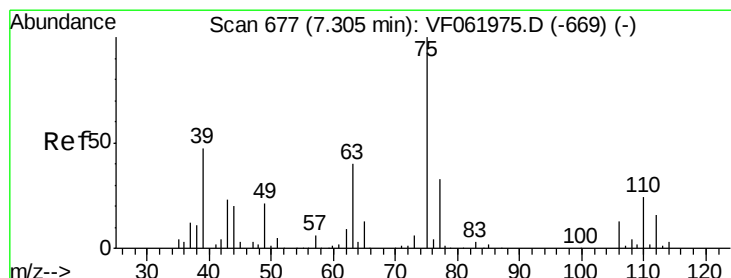
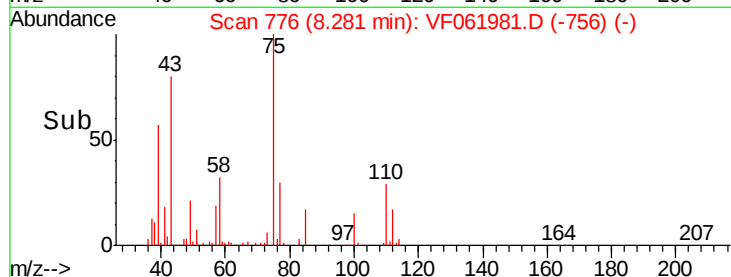
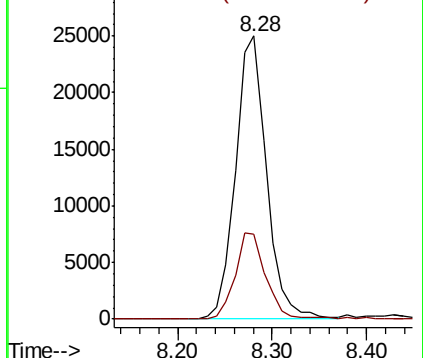
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 21.090 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

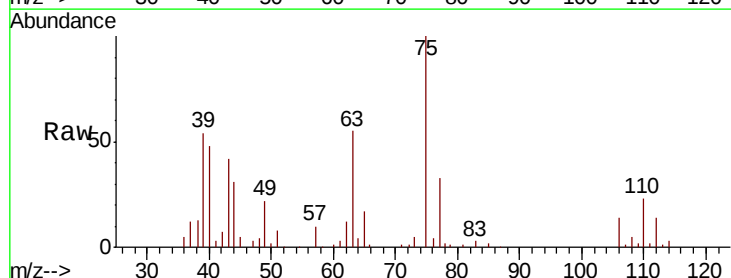
Tgt Ion: 75 Resp: 73255

Ion Ratio Lower Upper

75 100

77 32.7 26.4 39.6

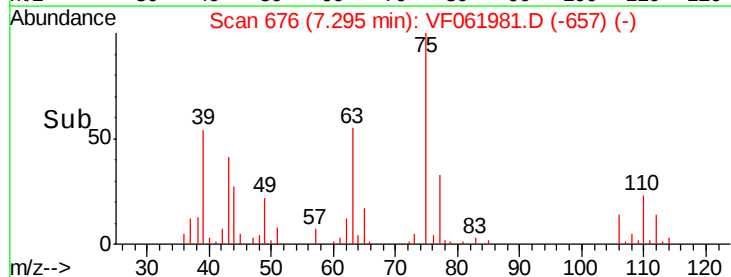
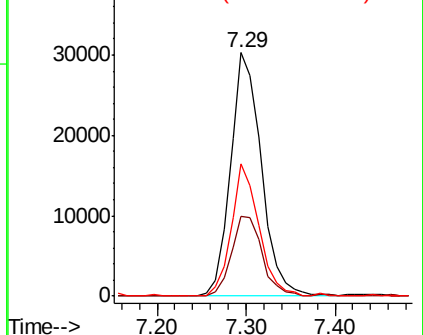
39 54.1 38.0 57.0

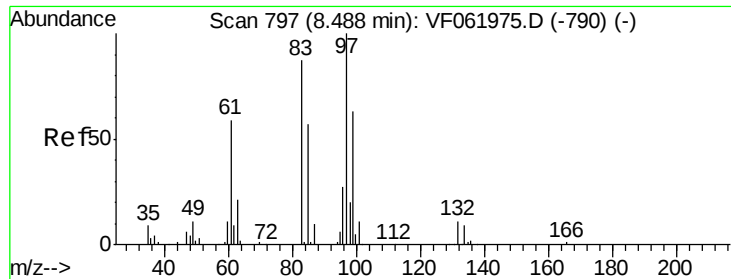


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 21.302 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

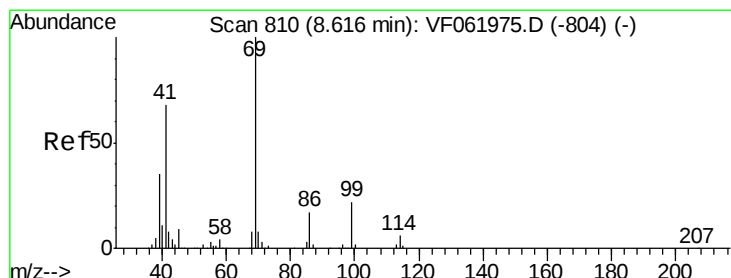
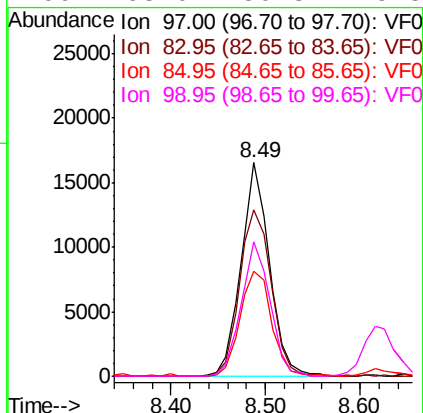
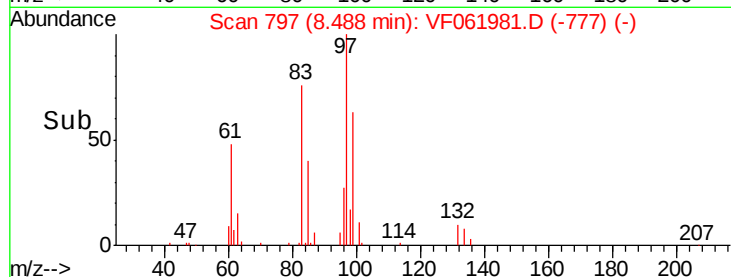
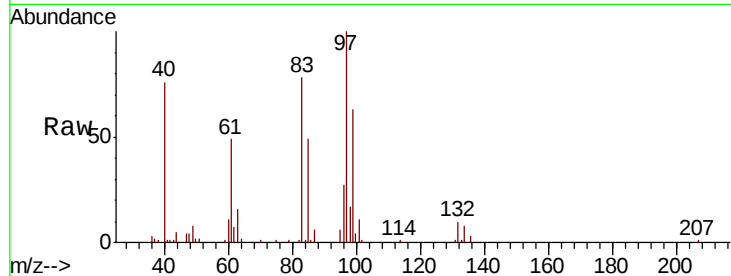
ClientSampleId :

VF0316SBS01

Tot Ion:	97	Resp:	34511
Ion	Ratio	Lower	Upper
97	100		
83	78.1	69.7	104.5
85	49.0	45.8	68.6
99	63.0	50.3	75.5

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#56

Ethyl methacrylate

Concen: 21.260 ug/l

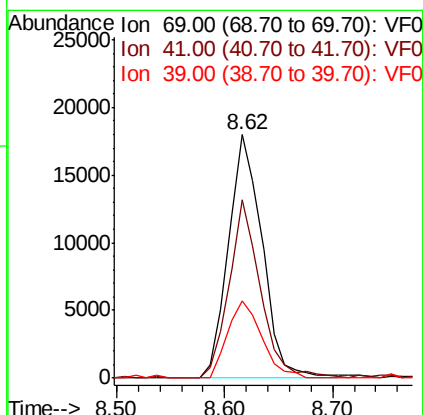
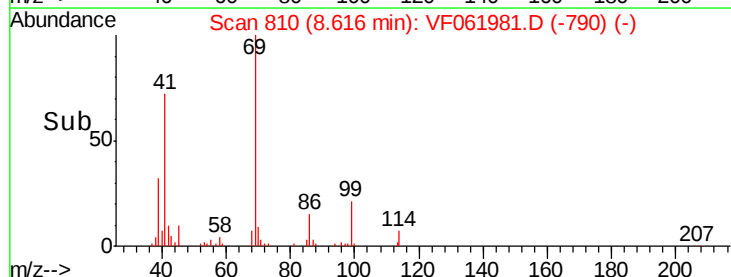
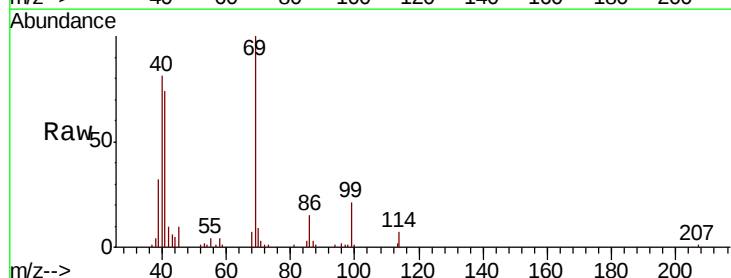
RT: 8.62 min Scan# 810

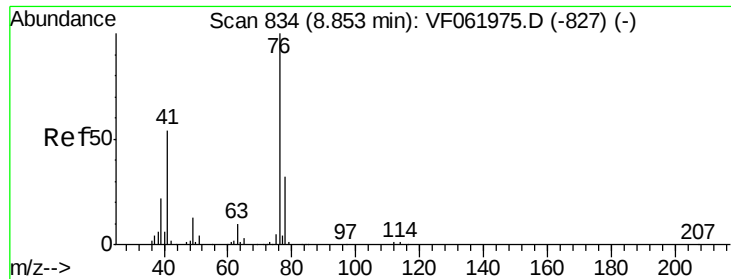
Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Tgt Ion:	69	Resp:	39153
Ion	Ratio	Lower	Upper
69	100		
41	73.5	54.7	82.1
39	31.6	27.9	41.9





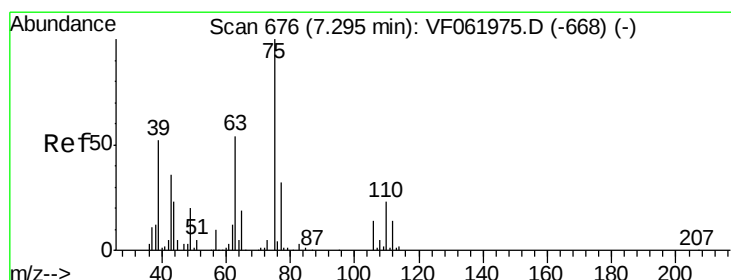
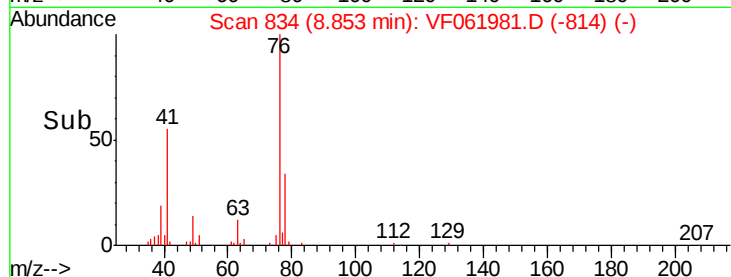
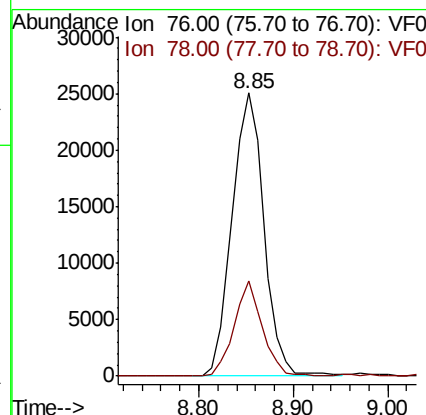
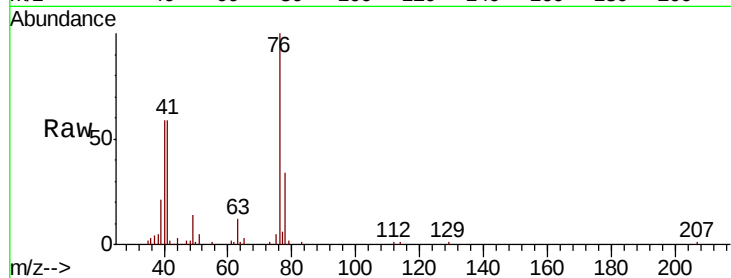
#57
 1,3-Dichloropropane
 Concen: 21.705 ug/l
 RT: 8.85 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tot Ion: 76 Resp: 58656
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.4 38.2

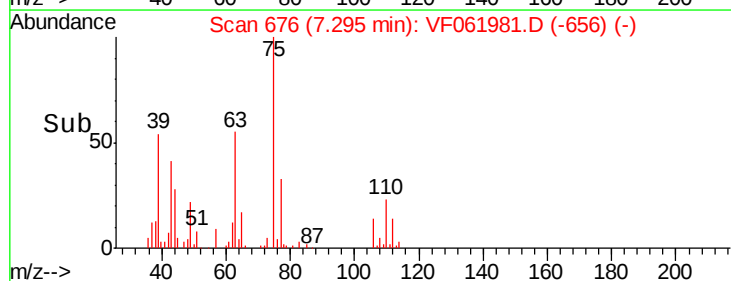
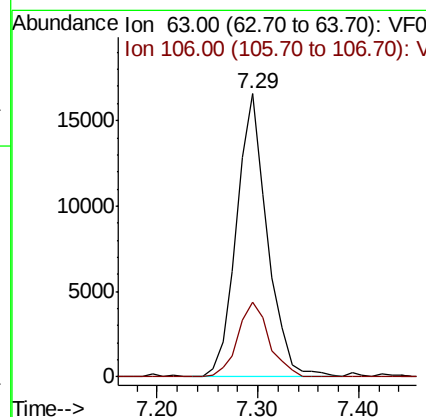
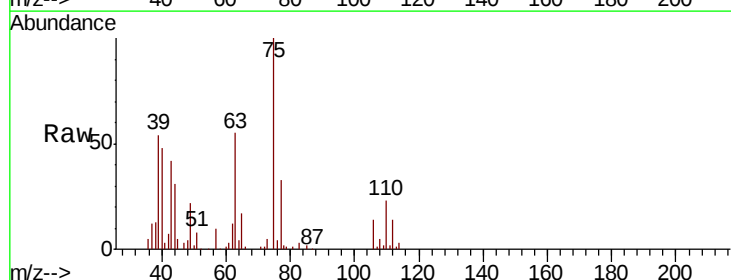
Manual Integrations
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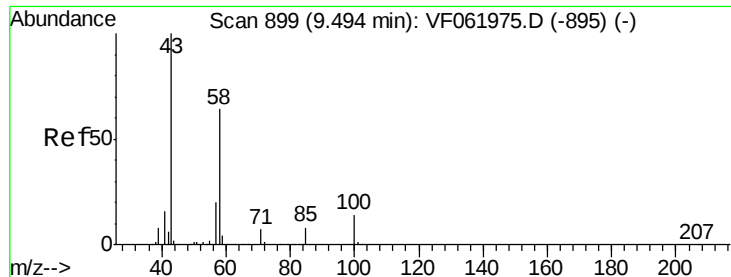
MMDadoda
 3/22/2019 6:19:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.133 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Tgt Ion: 63 Resp: 35069
 Ion Ratio Lower Upper
 63 100
 106 26.2 20.9 31.3





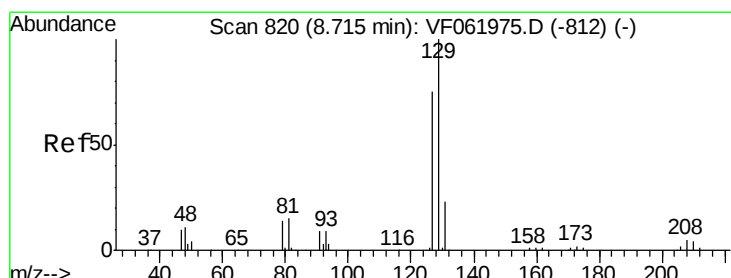
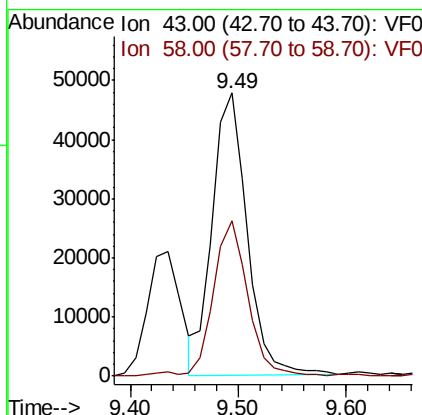
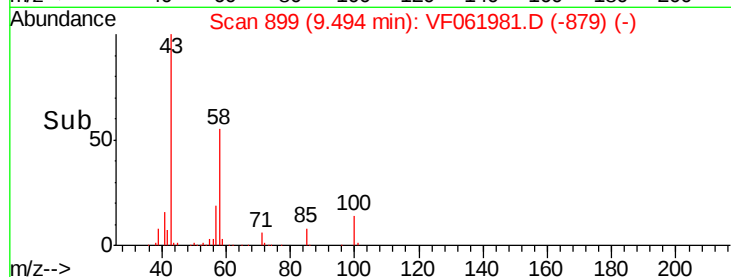
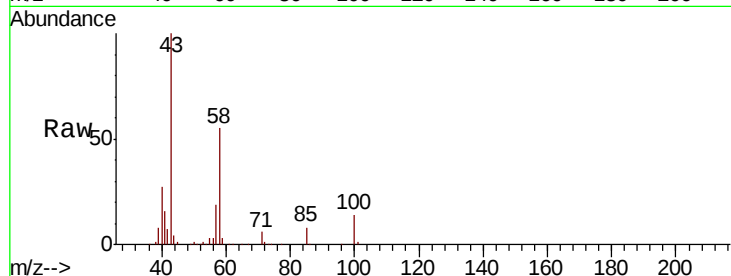
#59
2-Hexanone
Concen: 108.851 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBSD01

Tot Ion: 43 Resp: 106548
Ion Ratio Lower Upper
43 100
58 54.9 28.4 85.2

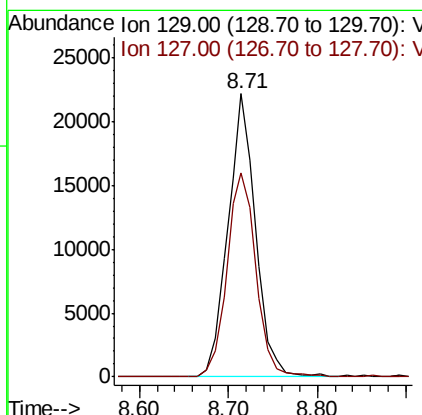
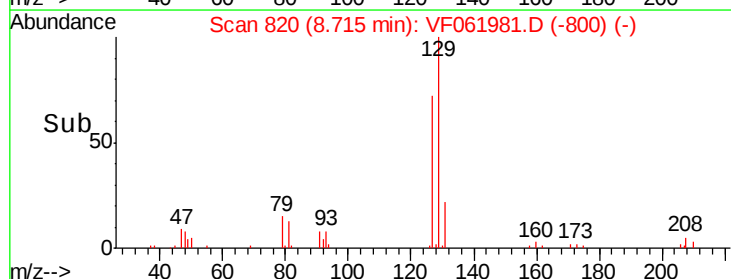
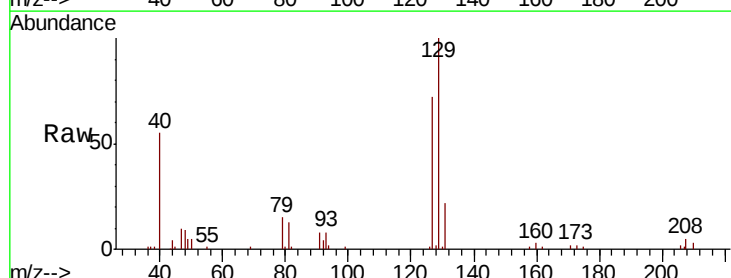
Manual Integrations
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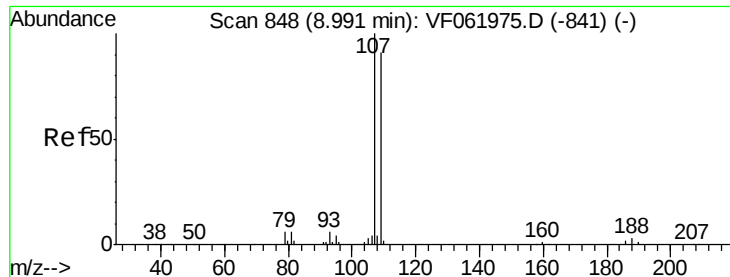
MMDadoda
3/22/2019 6:19:30 PM



#60
Dibromochloromethane
Concen: 21.439 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 129 Resp: 48217
Ion Ratio Lower Upper
129 100
127 72.2 37.3 111.8





#61

1,2-Dibromoethane

Concen: 22.114 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tot Ion:107 Resp: 38429

Ion Ratio Lower Upper

107 100

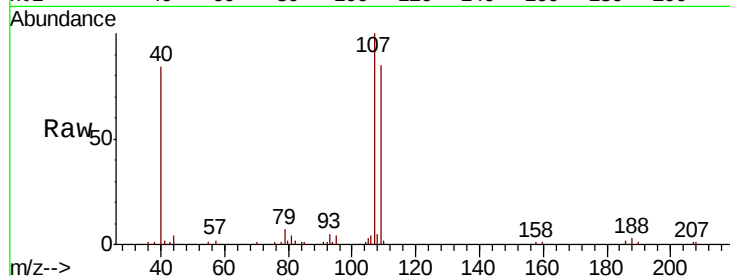
109 84.9 72.8 109.2

Manual Integrations

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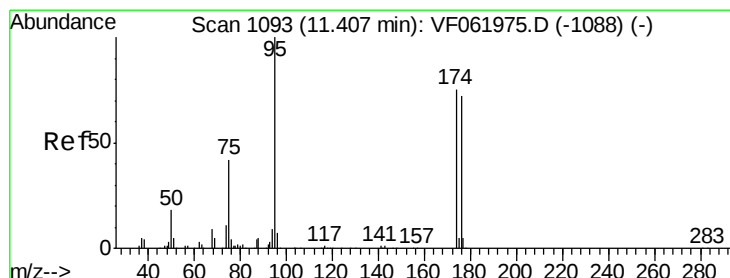
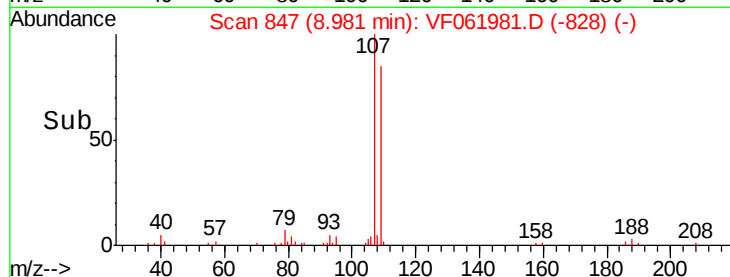
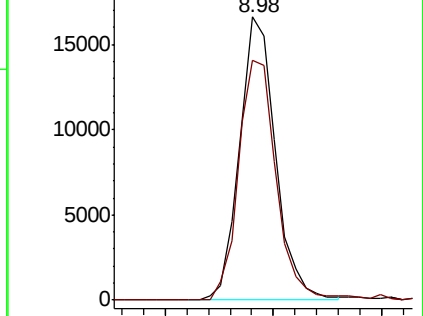
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.048 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

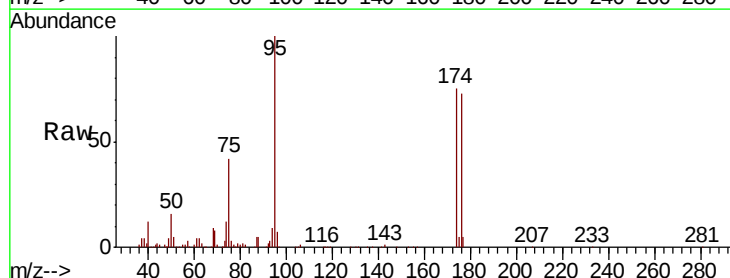
Tgt Ion: 95 Resp: 158053

Ion Ratio Lower Upper

95 100

174 74.7 0.0 149.4

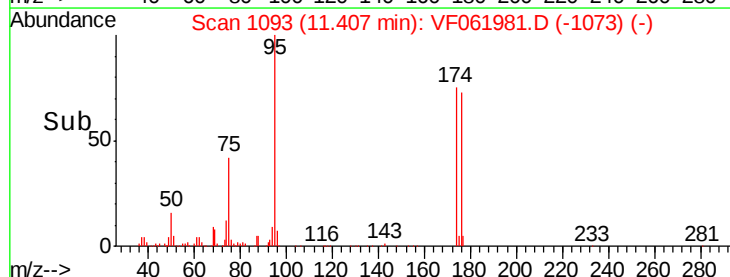
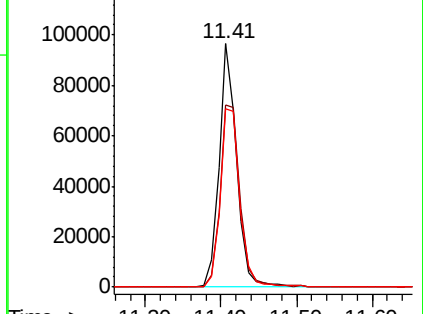
176 73.4 0.0 143.4

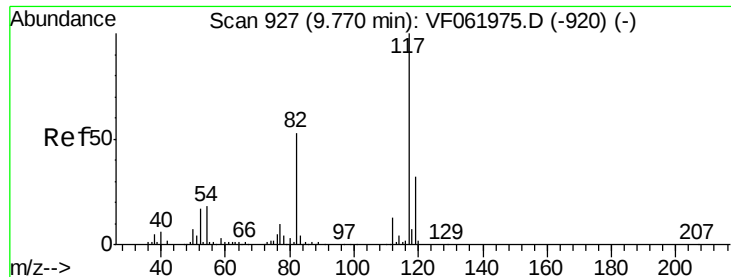


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





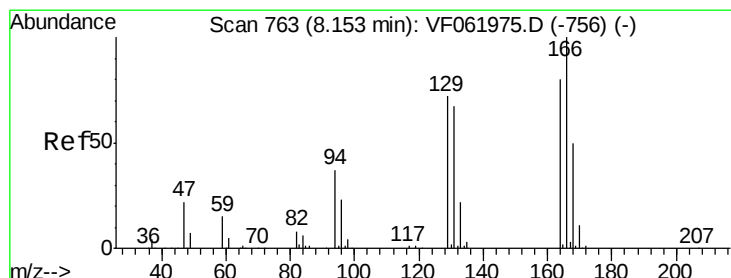
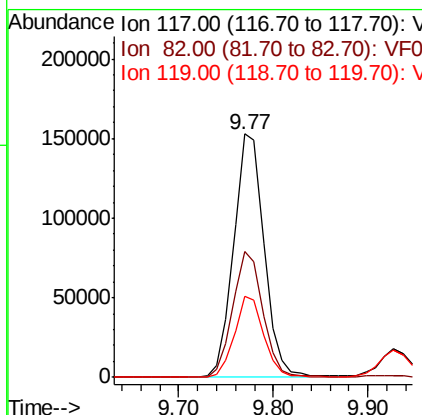
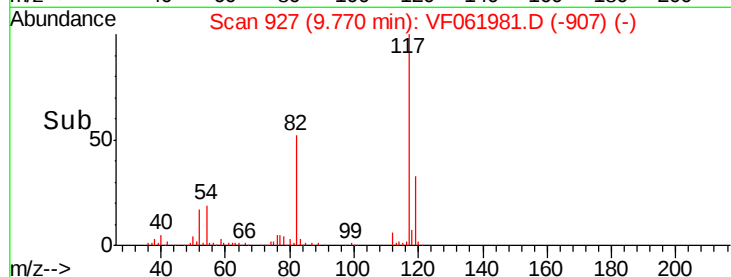
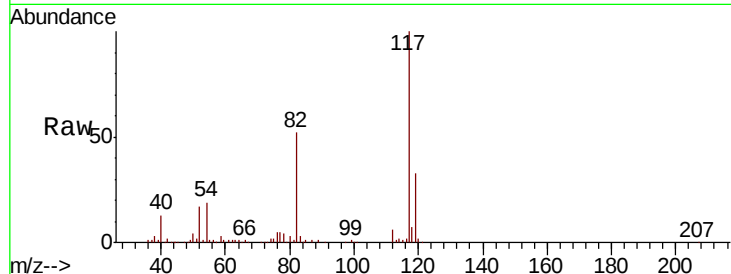
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.5	63.7
119	33.3	25.4	38.0

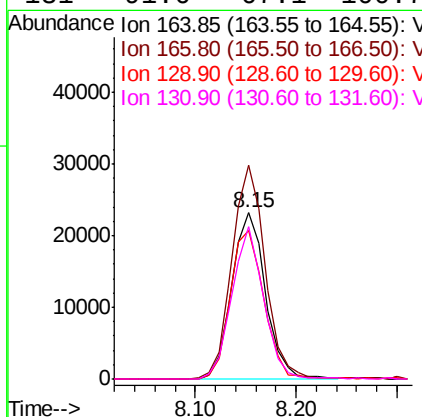
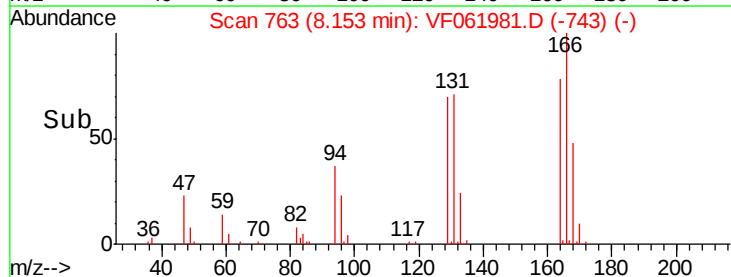
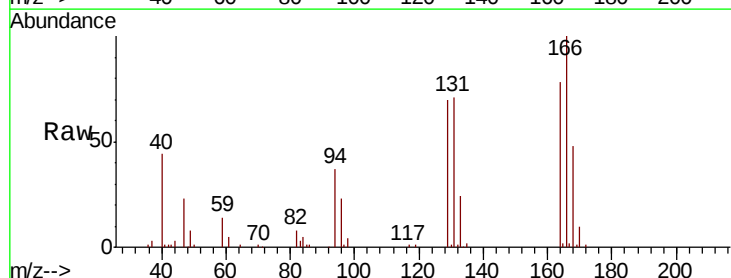
Manual Integrations
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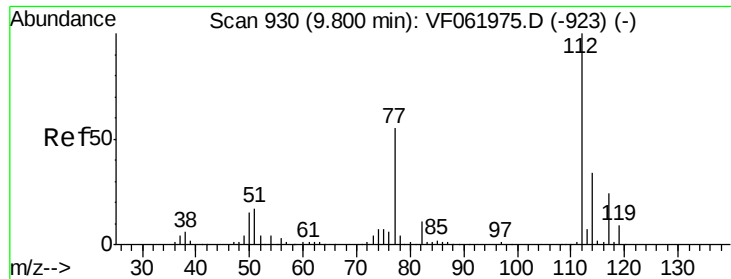
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#64
Tetrachloroethene
Concen: 21.652 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	100.0	150.0
129	89.7	72.4	108.6
131	91.6	67.1	100.7





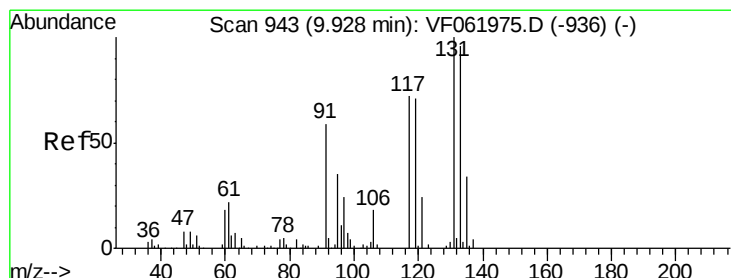
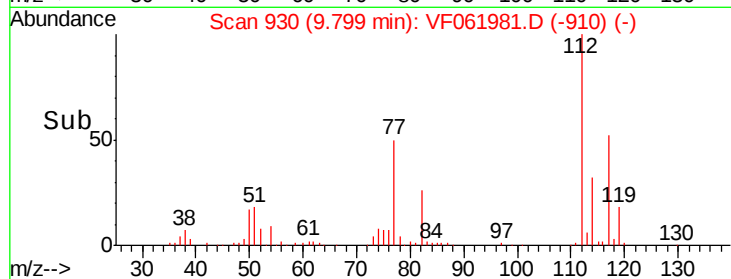
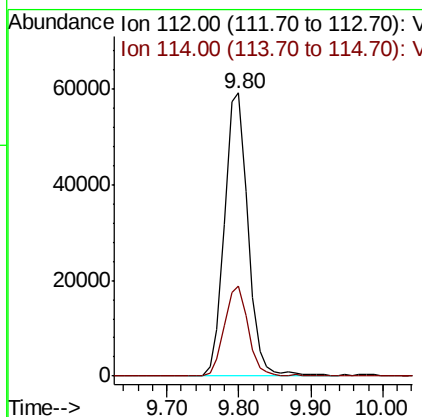
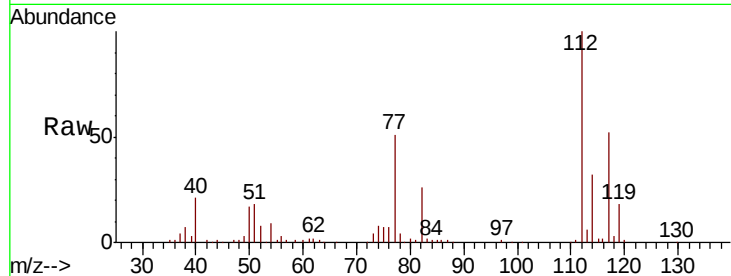
#65
Chlorobenzene
Concen: 21.032 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBSD01

Tot Ion:112 Resp: 134040
Ion Ratio Lower Upper
112 100
114 31.6 26.9 40.3

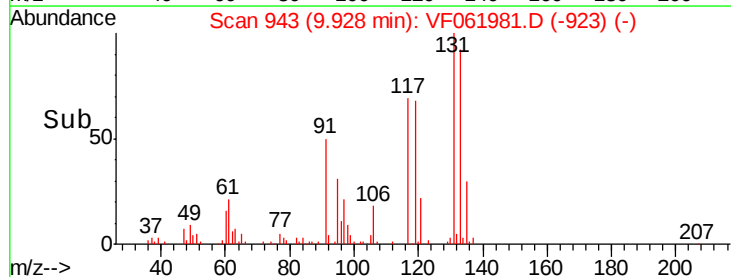
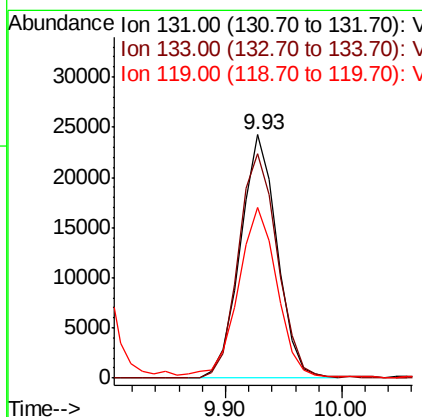
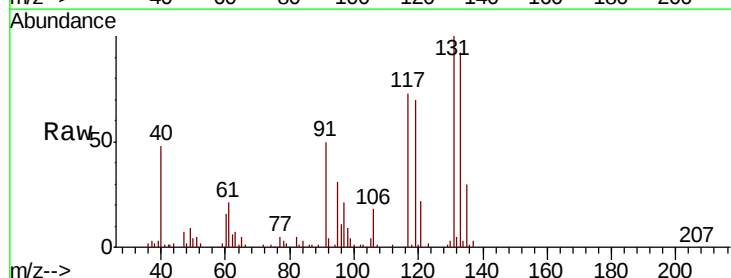
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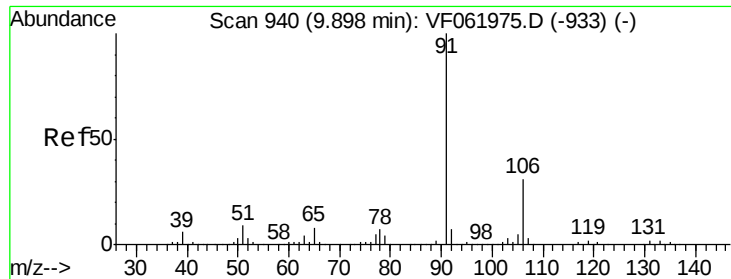
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.483 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion:131 Resp: 53070
Ion Ratio Lower Upper
131 100
133 92.4 48.0 144.2
119 69.9 35.9 107.7





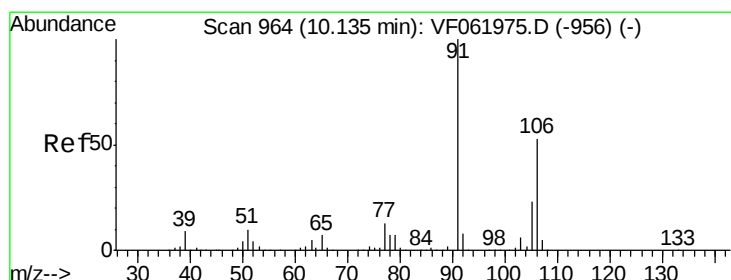
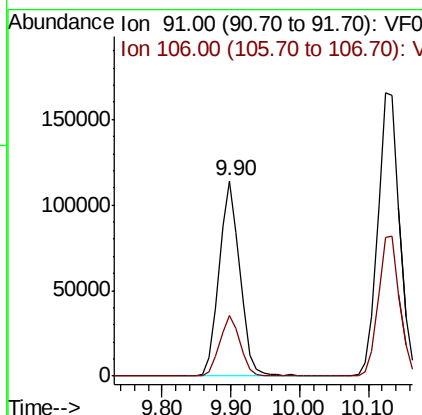
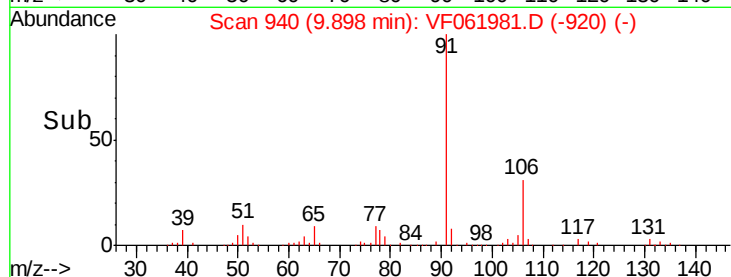
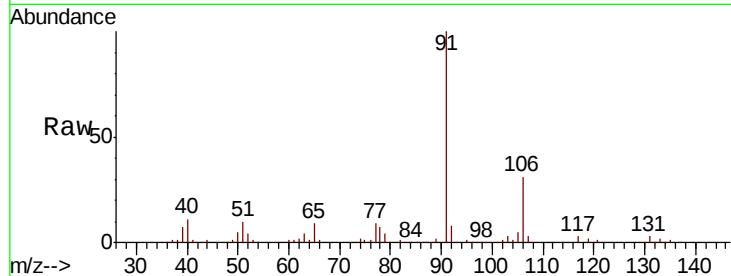
#67
Ethyl Benzene
Concen: 21.885 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion: 91 Resp: 238809
Ion Ratio Lower Upper
91 100
106 31.0 24.4 36.6

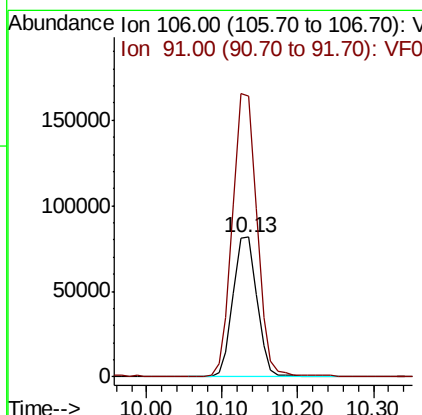
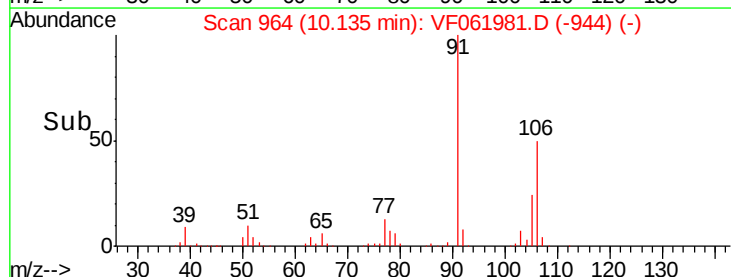
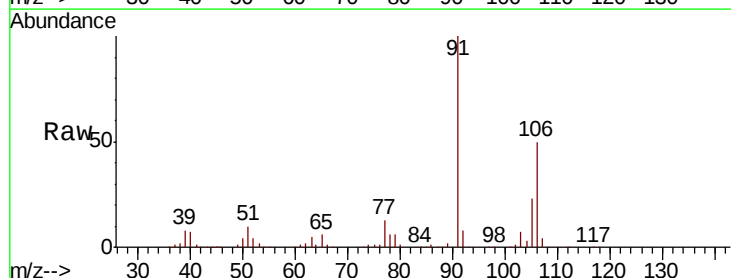
Manual Integrations
APPROVED

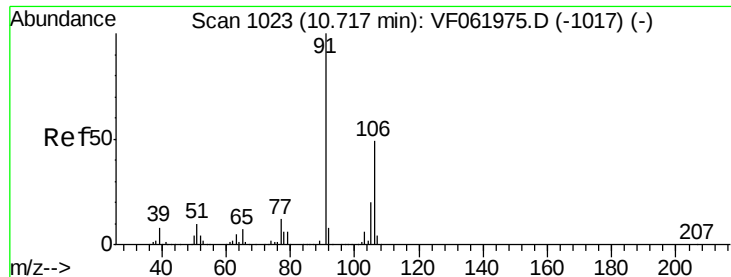
MMDadoda
3/22/2019 6:19:30 PM



#68
m/p-Xylenes
Concen: 44.037 ug/l
RT: 10.13 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 106 Resp: 180738
Ion Ratio Lower Upper
106 100
91 200.9 151.9 227.9





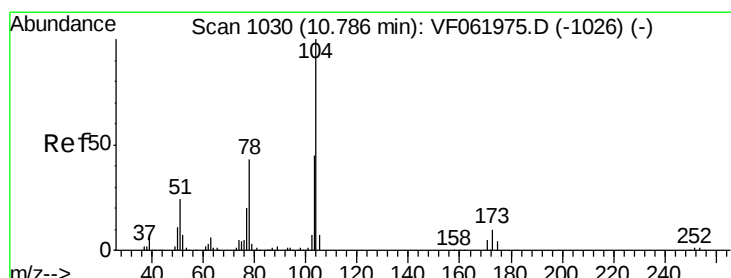
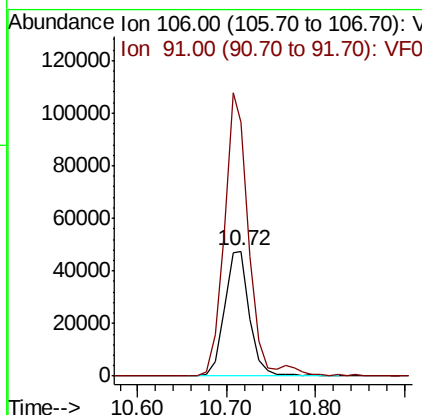
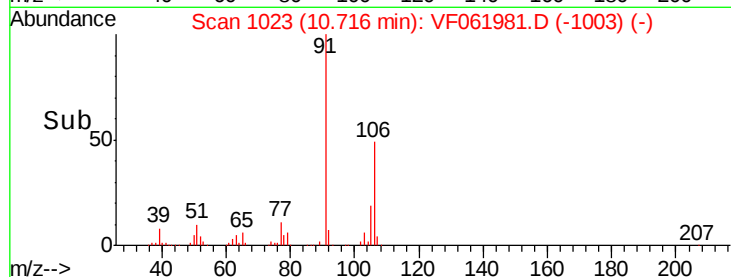
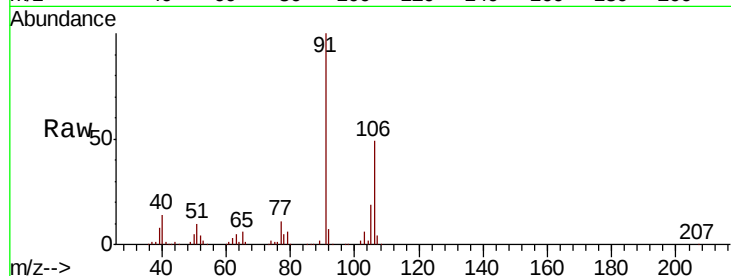
#69
o-Xylene
Concen: 21.468 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion:106 Resp: 94280
Ion Ratio Lower Upper
106 100
91 203.8 102.3 306.8

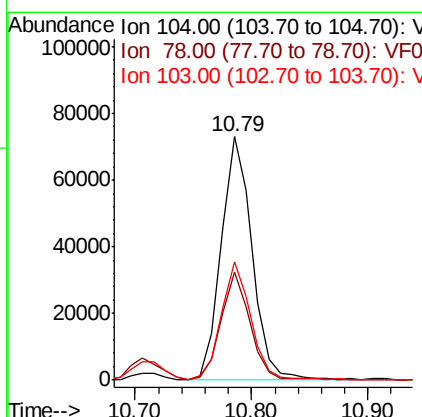
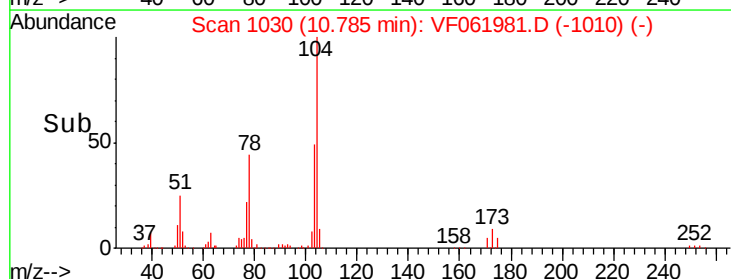
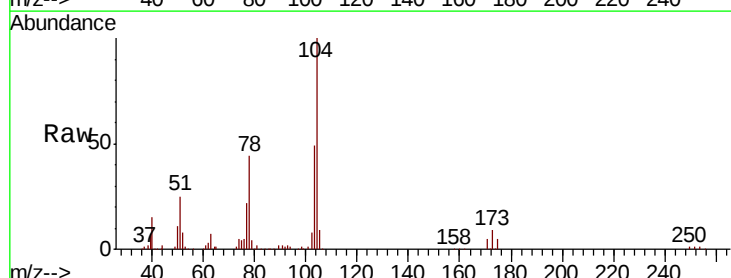
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#70
Styrene
Concen: 21.834 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion:104 Resp: 132838
Ion Ratio Lower Upper
104 100
78 44.4 34.7 52.1
103 48.7 36.6 54.8





#71

Bromoform

Concen: 20.032 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

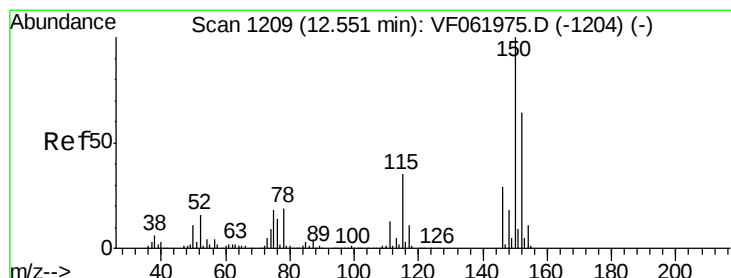
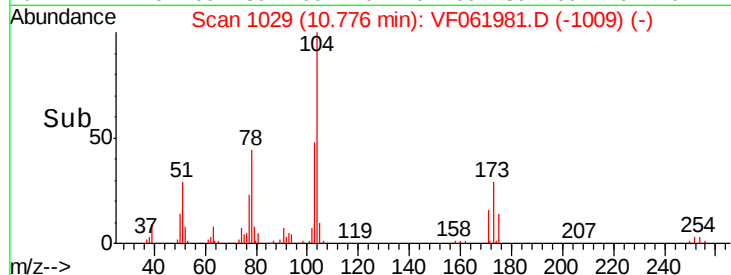
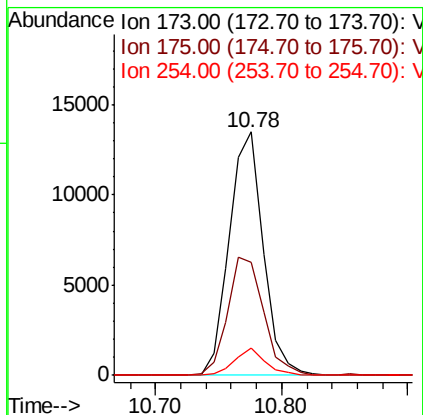
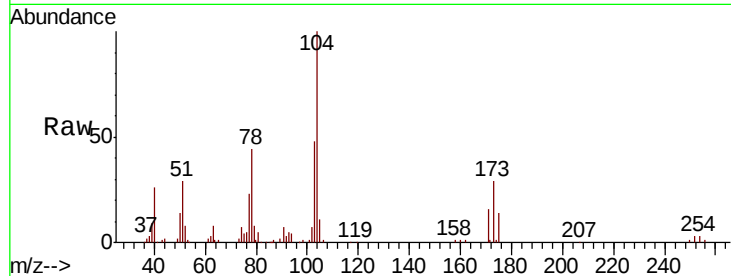
ClientSampleId :

VF0316SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.4	23.7	71.1
254	11.1	7.8	11.8

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

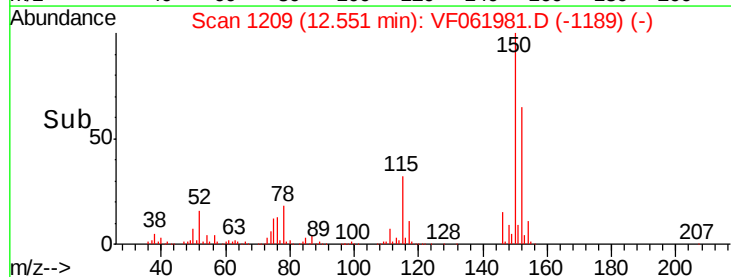
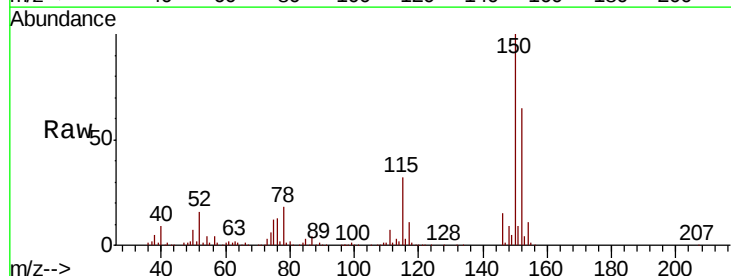
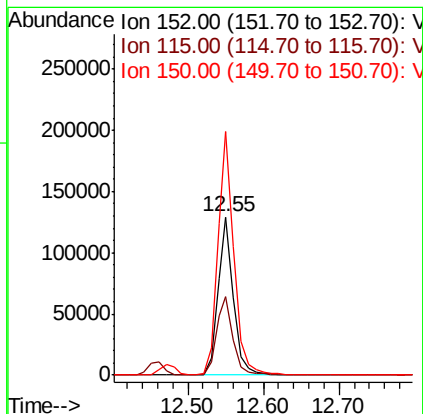
RT: 12.55 min Scan# 1209

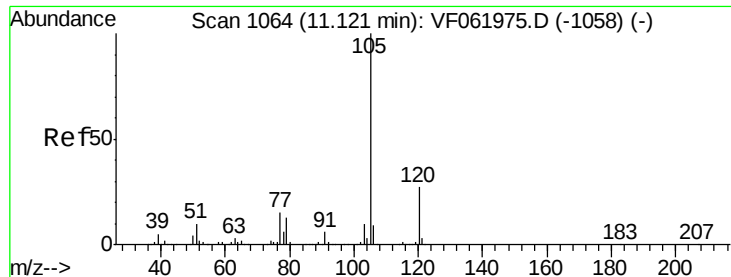
Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.0	27.3	81.9
150	154.1	0.0	316.2





#73

Isopropylbenzene

Concen: 21.647 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBSD01

Tot Ion:105 Resp: 277079

Ion Ratio Lower Upper

105 100

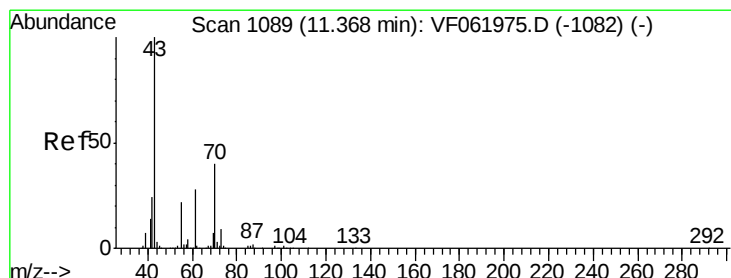
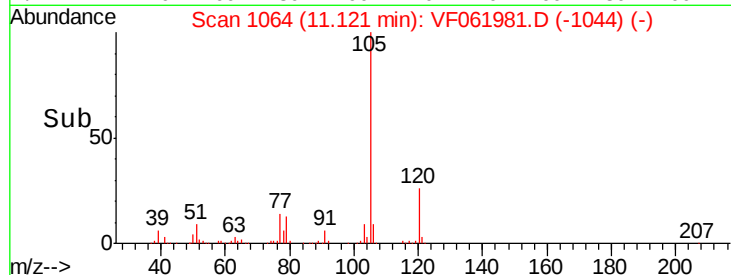
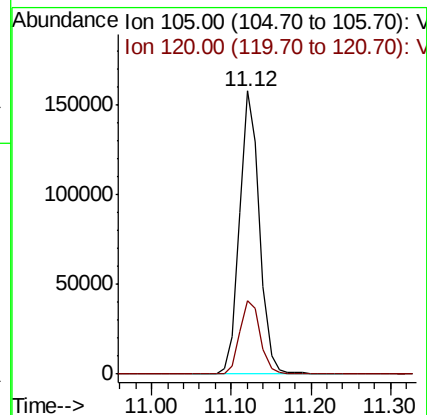
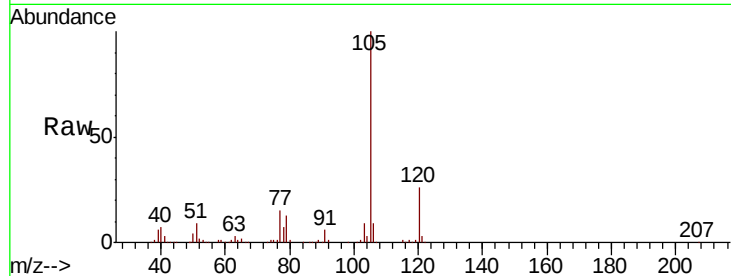
120 26.1 13.8 41.3

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#74

N-ethyl acetate

Concen: 21.494 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Tgt Ion: 43 Resp: 63039

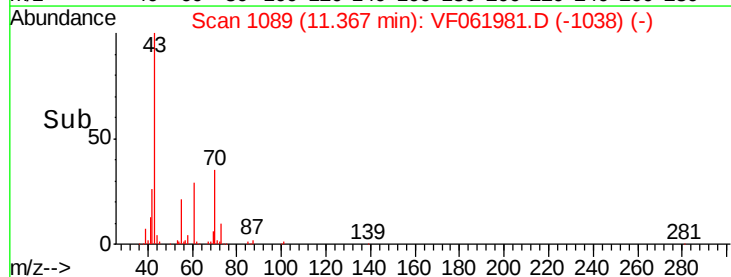
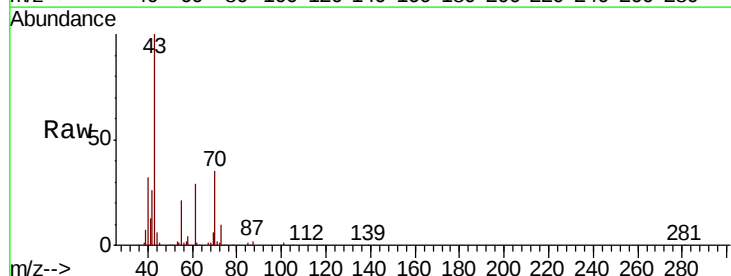
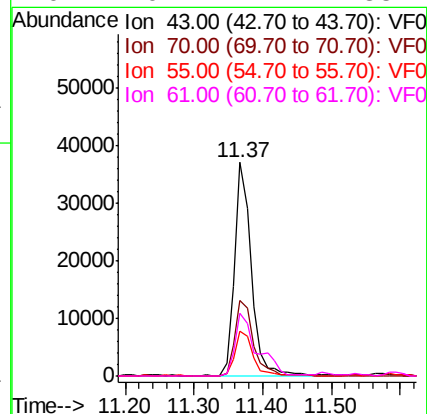
Ion Ratio Lower Upper

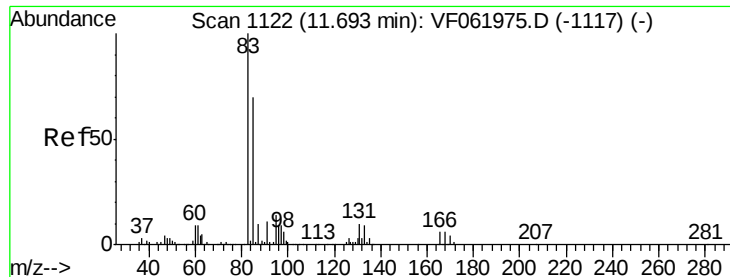
43 100

70 35.1 31.9 47.9

55 20.9 17.9 26.9

61 29.1 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.547 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

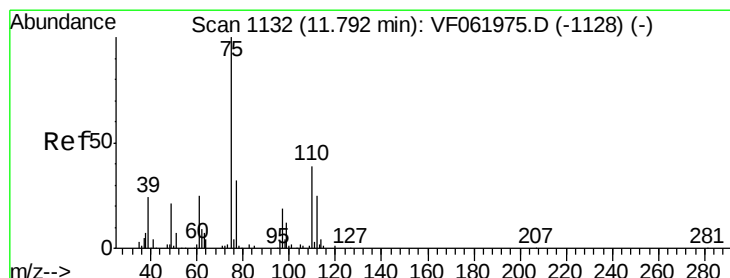
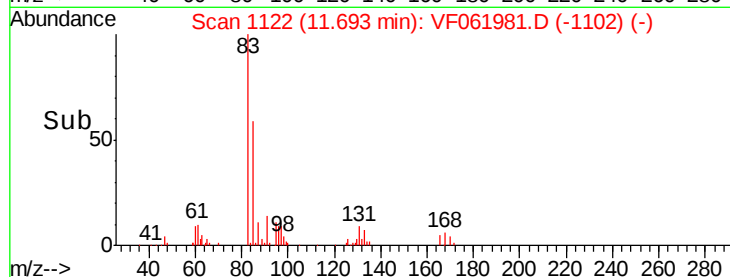
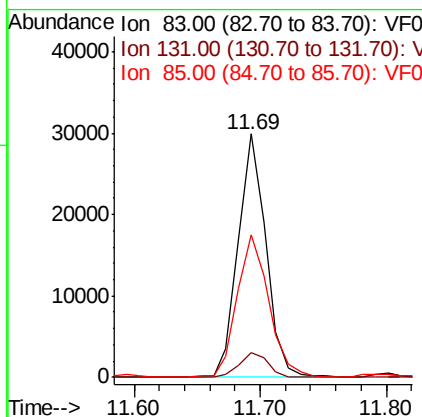
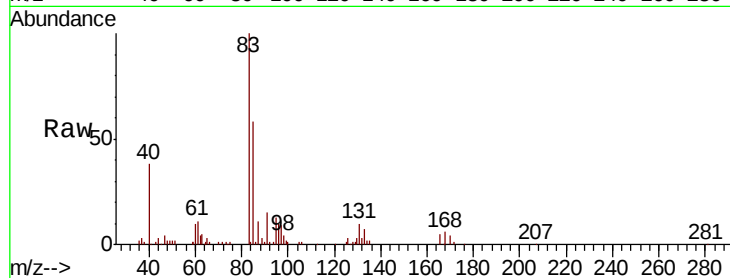
ClientSampleId :

VF0316SBS01

Tot Ion:	83	Resp:	45523
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	58.4	35.3	105.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.144 ug/l

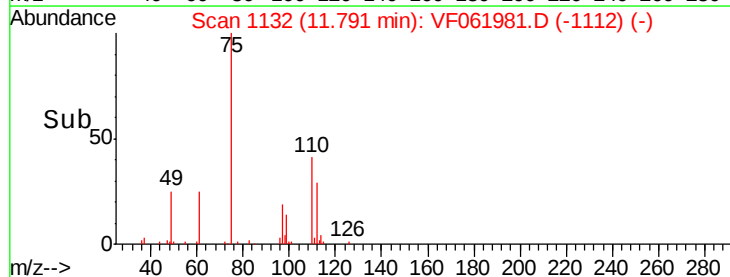
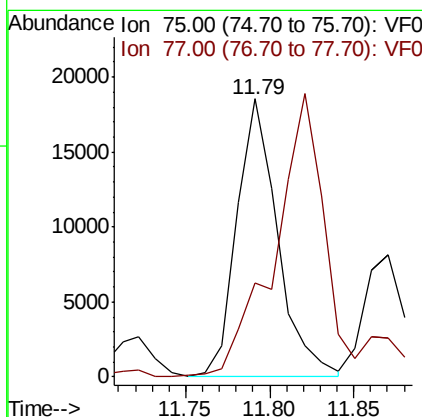
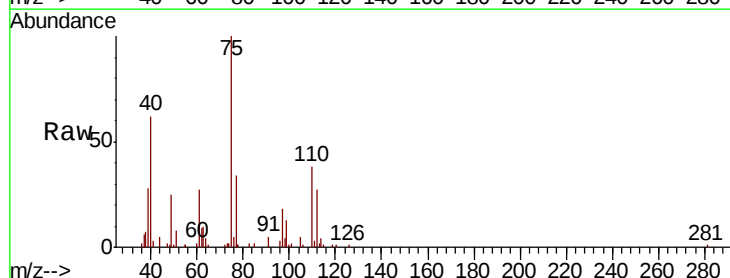
RT: 11.79 min Scan# 1132

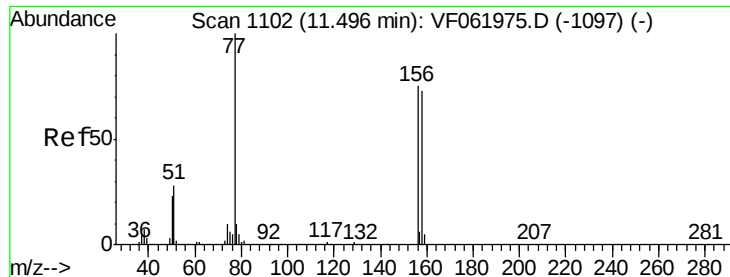
Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Tgt Ion:	75	Resp:	31237
Ion Ratio	Lower	Upper	
75	100		
77	35.2	16.4	49.2





#77

Bromobenzene

Concen: 20.900 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

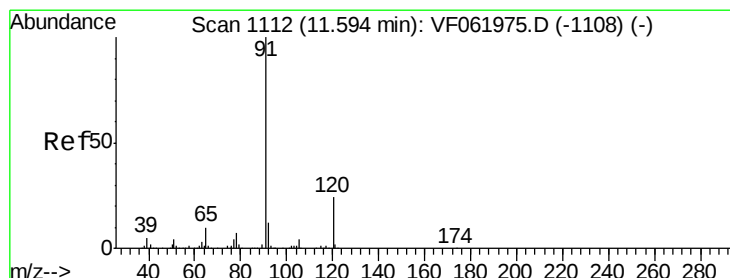
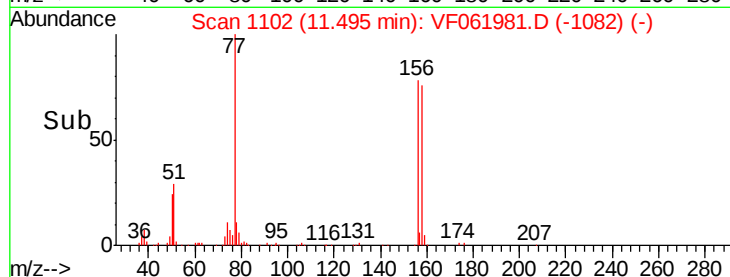
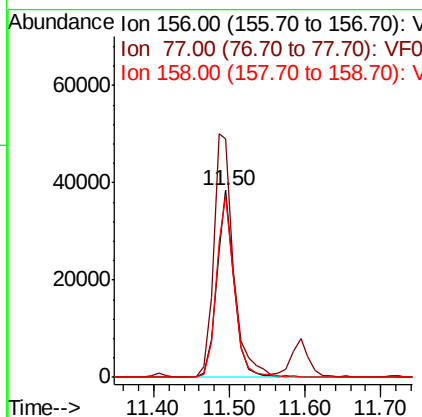
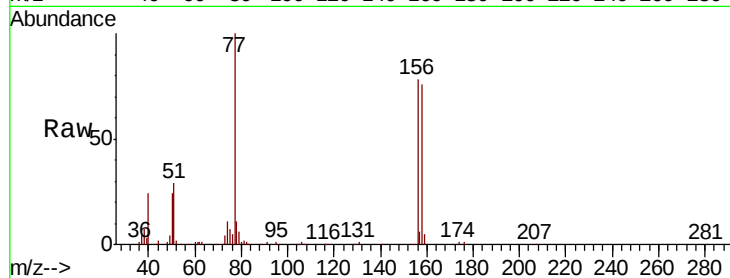
ClientSampleId :

VF0316SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	127.9	67.0	201.0	
158	97.4	48.9	146.7	

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#78

n-propylbenzene

Concen: 21.861 ug/l

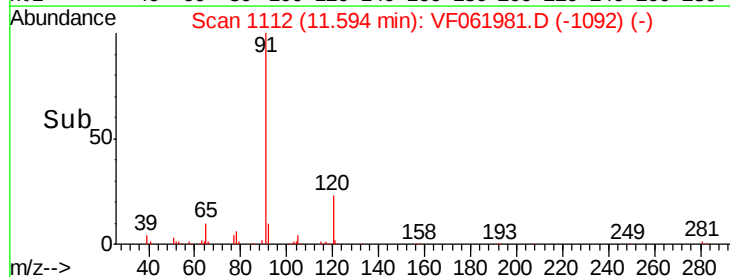
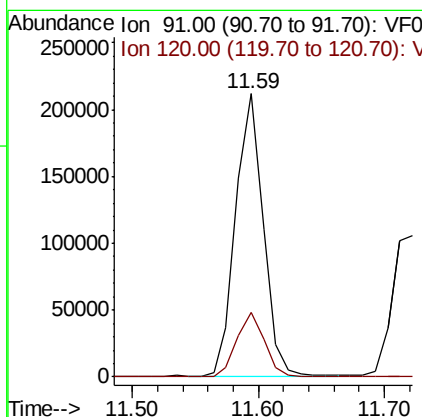
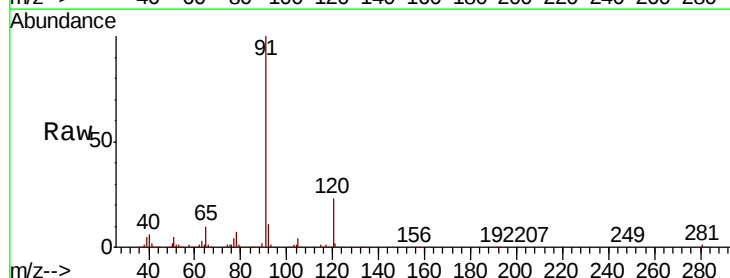
RT: 11.59 min Scan# 1112

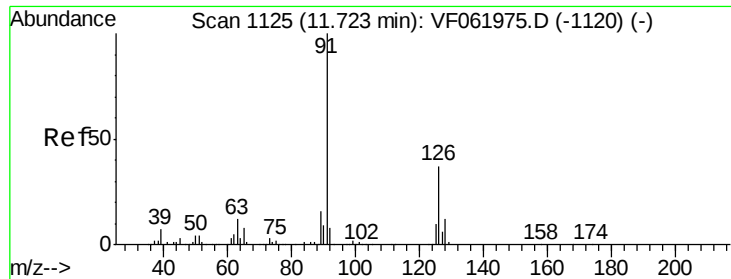
Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.7	11.8	35.3	





#79

2-Chlorotoluene

Concen: 21.463 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBSD01

Tot Ion: 91 Resp: 178305

Ion Ratio Lower Upper

91 100

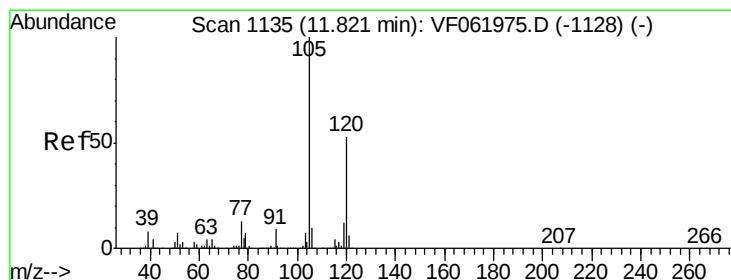
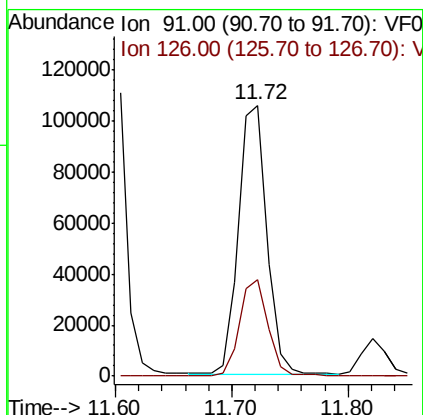
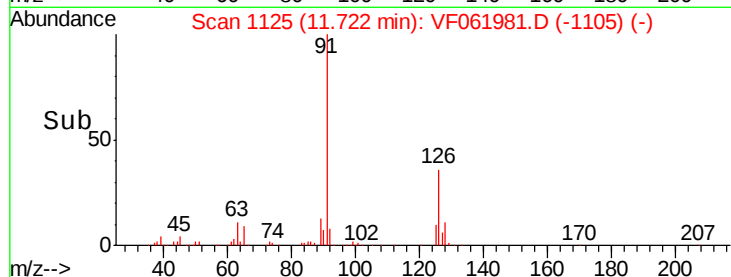
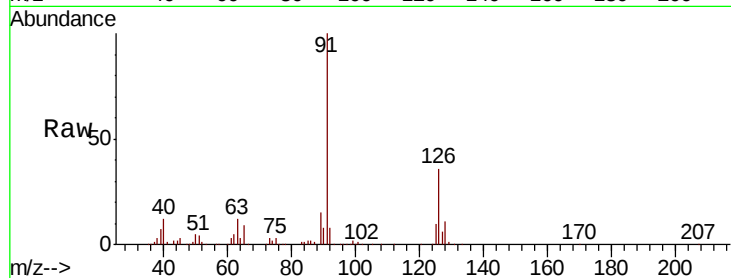
126 35.8 18.4 55.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.230 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061981.D

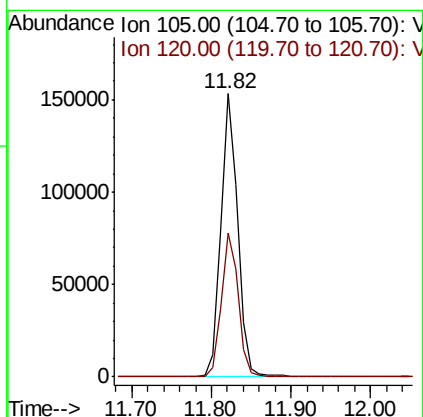
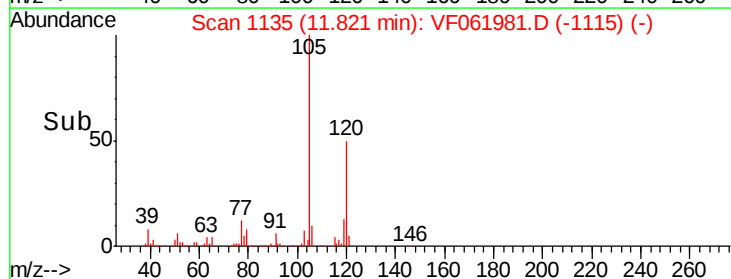
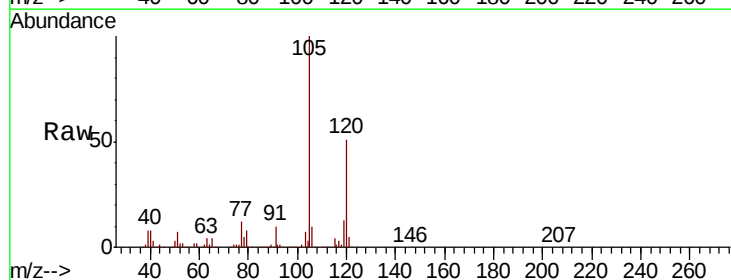
Acq: 16 Mar 2019 17:59

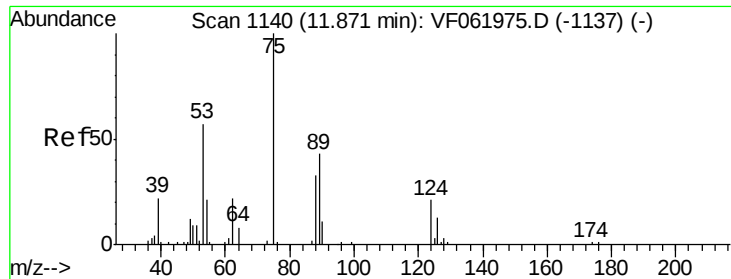
Tgt Ion: 105 Resp: 229849

Ion Ratio Lower Upper

105 100

120 51.0 26.6 79.7





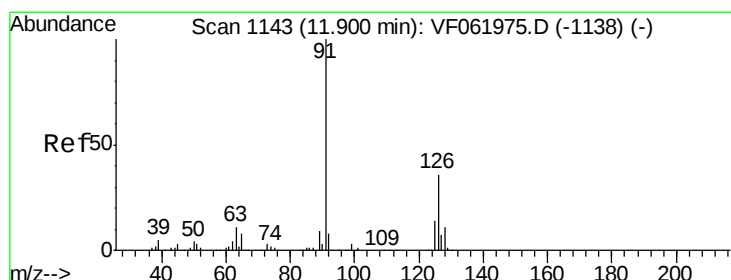
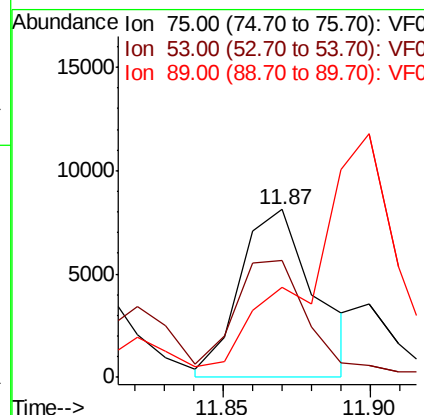
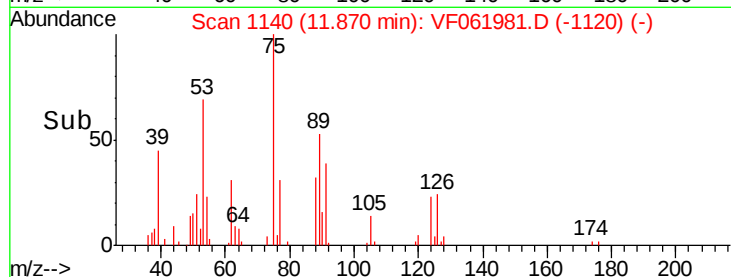
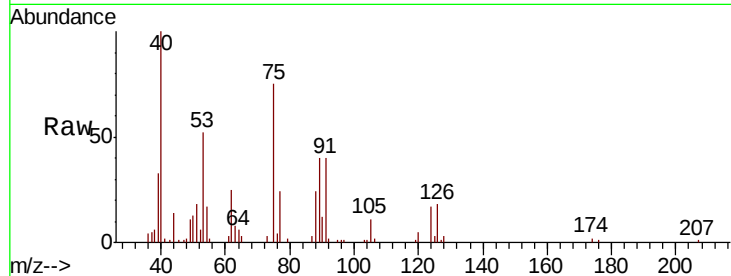
#81
trans-1,4-Dichloro-2-butene
Concen: 21.976 ug/l m
RT: 11.87 min Scan# 1140
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	69.3	49.0	73.6
89	53.3	37.1	55.7

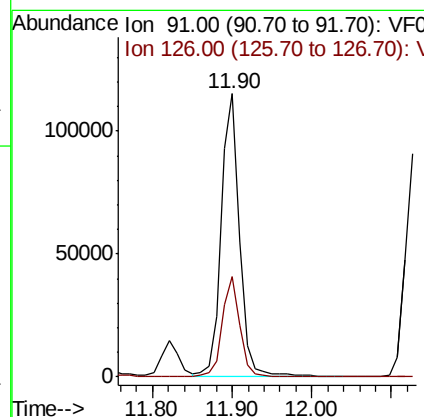
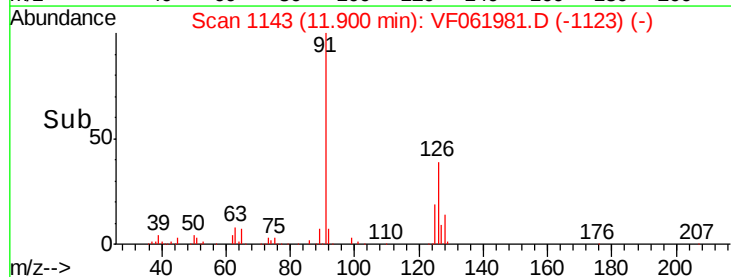
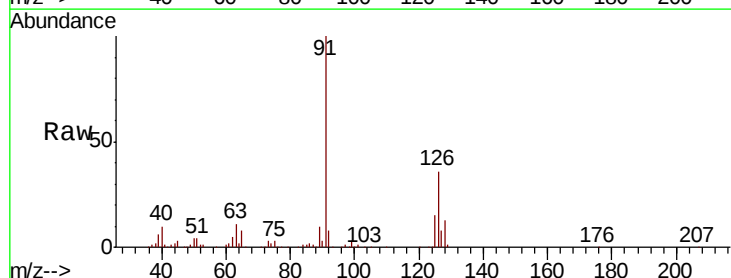
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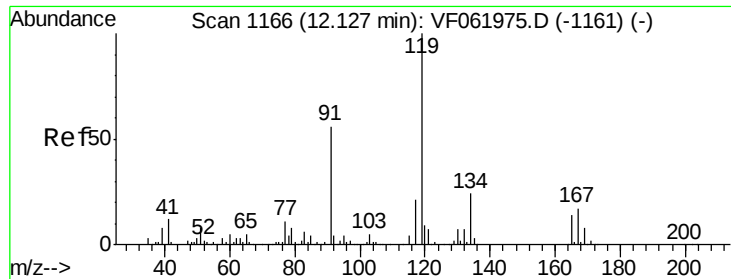
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#82
4-Chlorotoluene
Concen: 22.096 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	18.1	54.1





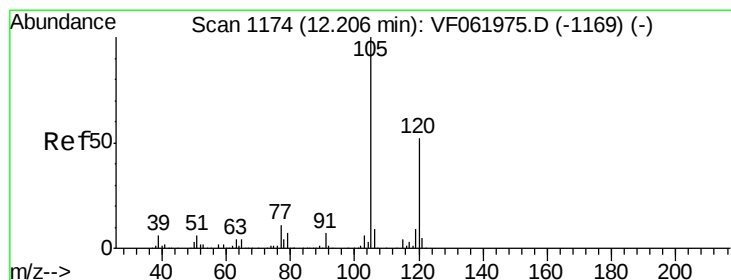
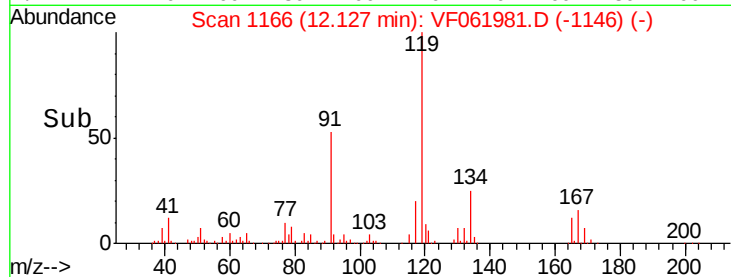
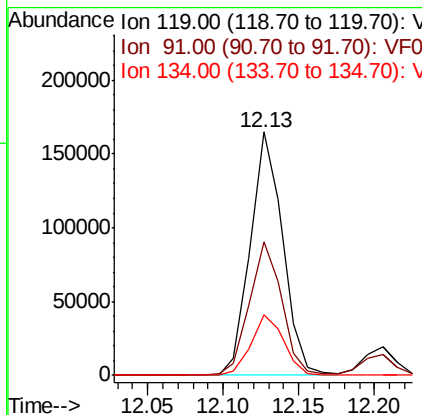
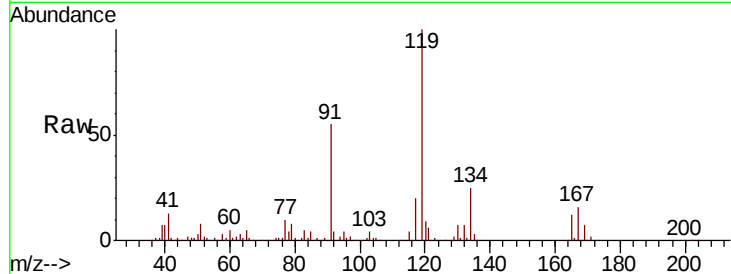
#83
 tert-Butylbenzene
 Concen: 22.923 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	247866		
91	55.1	27.9	83.6	
134	25.0	12.3	36.8	

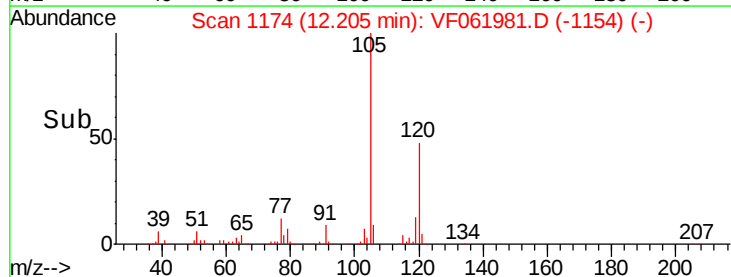
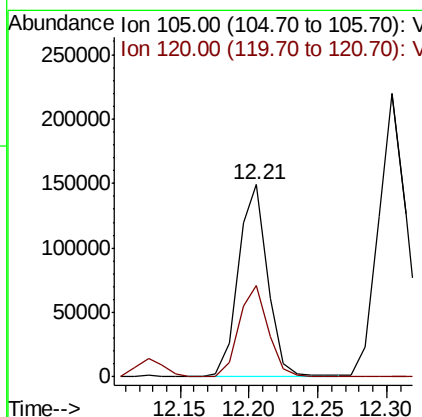
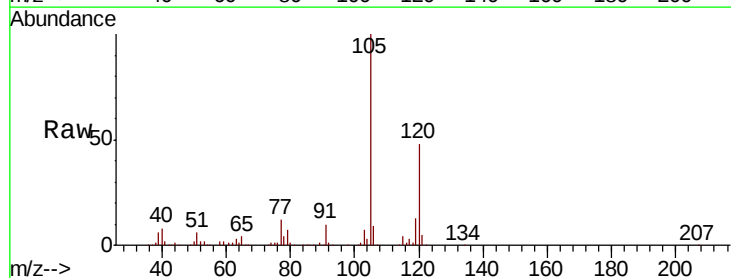
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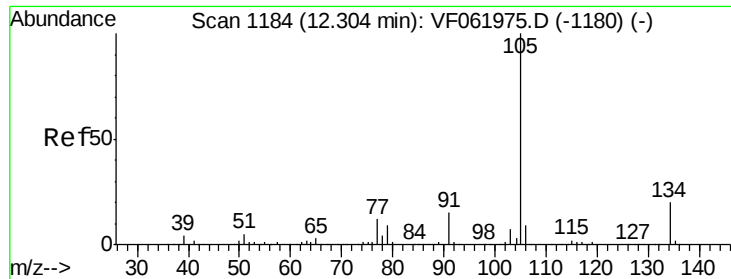
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.373 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221343		
120	47.8	25.9	77.8	





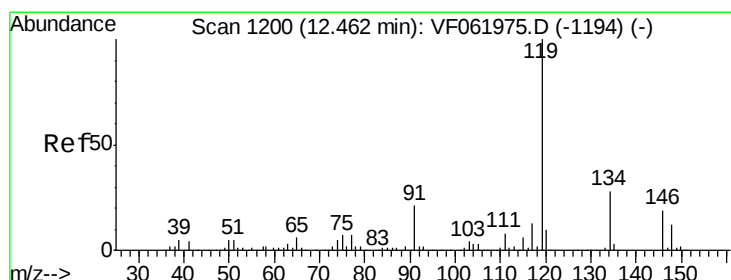
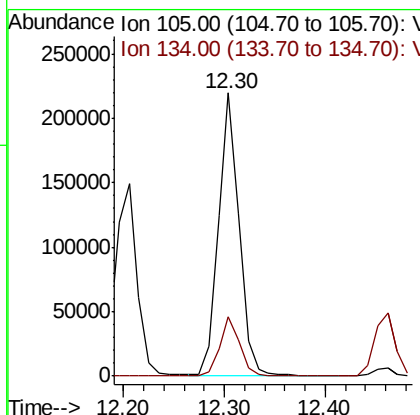
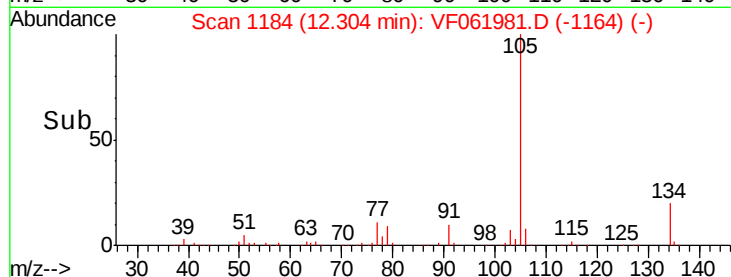
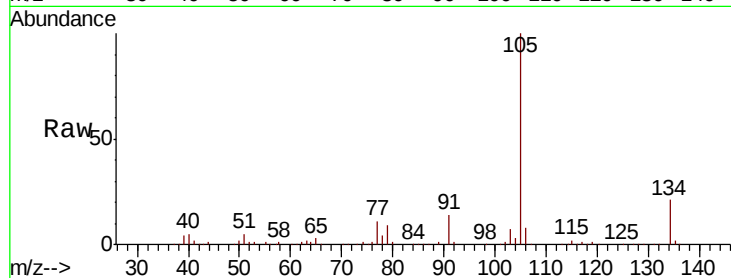
#85
 sec-Butylbenzene
 Concen: 21.561 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.0	29.8

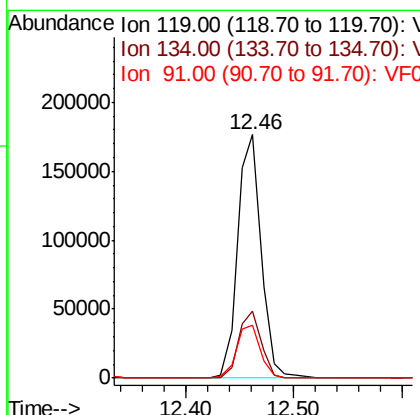
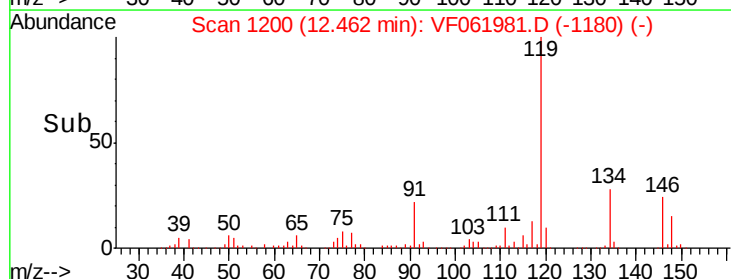
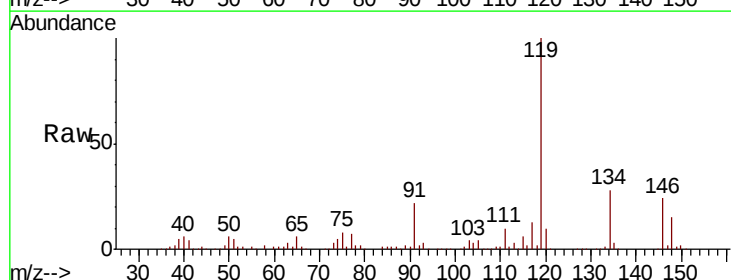
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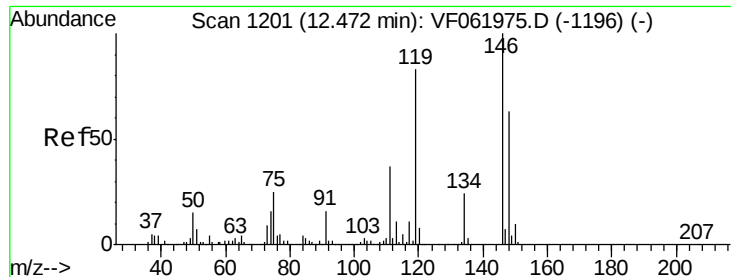
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#86
 p-Isopropyltoluene
 Concen: 21.833 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.8	13.9	41.7
91	21.7	10.4	31.1





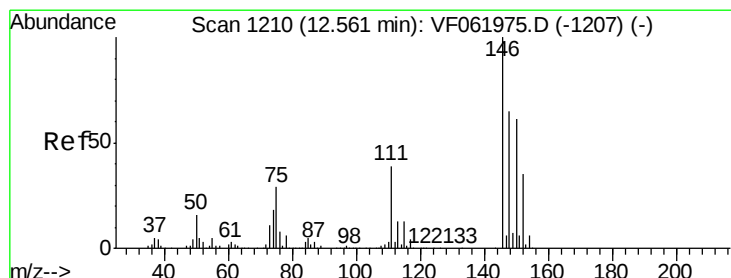
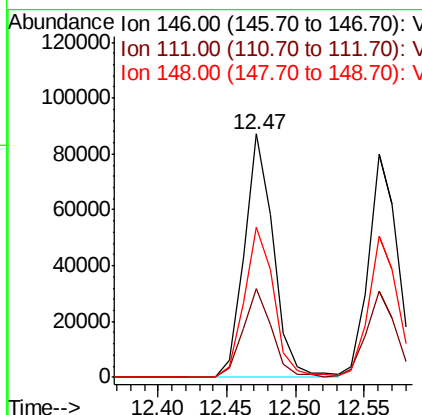
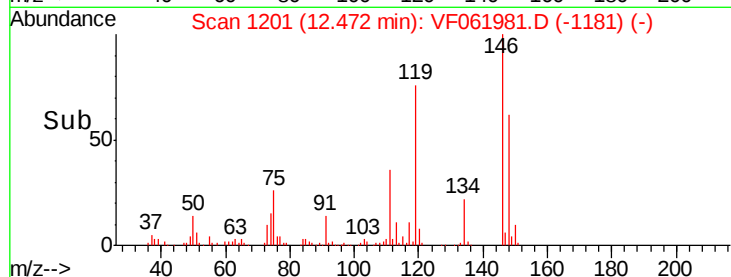
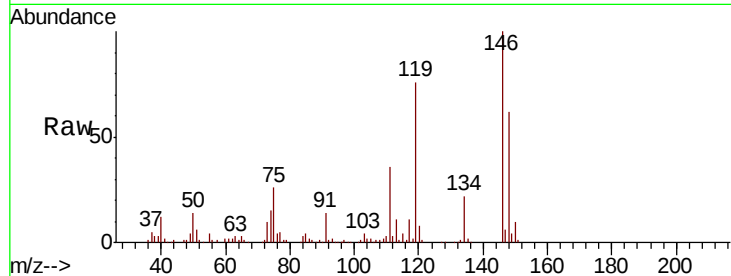
#87
 1,3-Dichlorobenzene
 Concen: 22.272 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.6	55.8
148	61.5	31.3	93.9

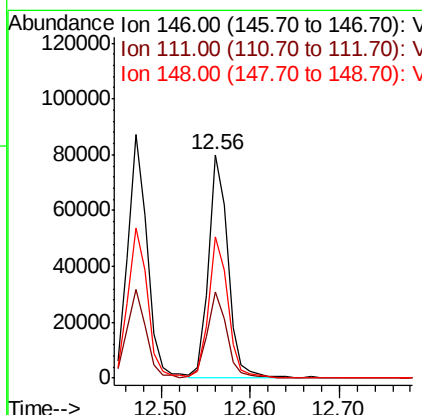
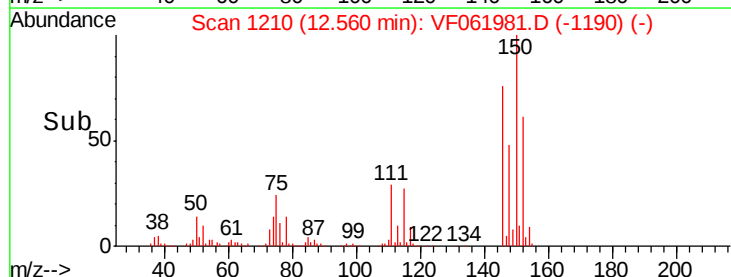
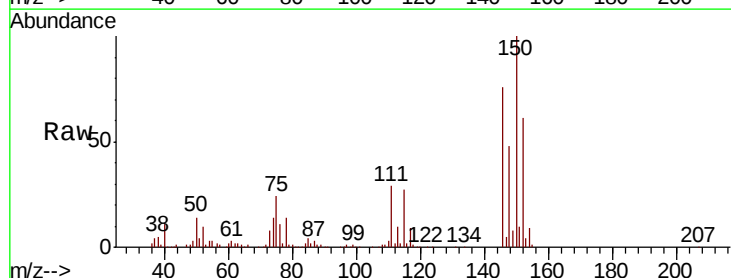
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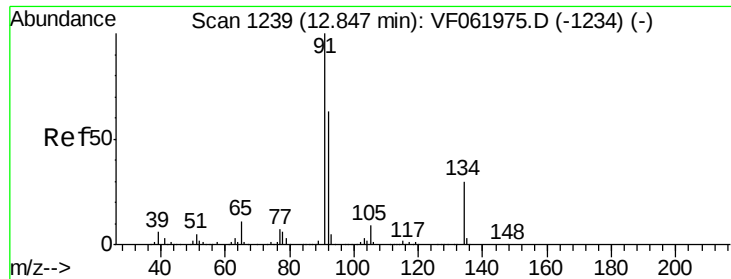
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#88
 1,4-Dichlorobenzene
 Concen: 21.665 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.1
148	63.1	32.4	97.0





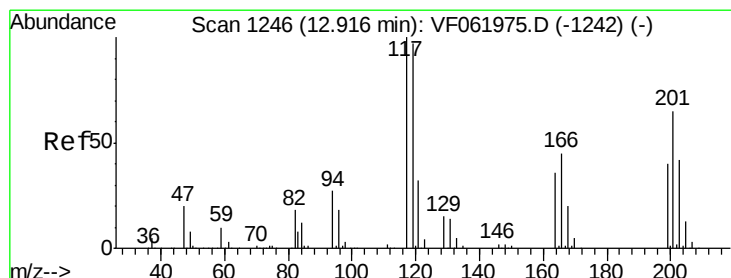
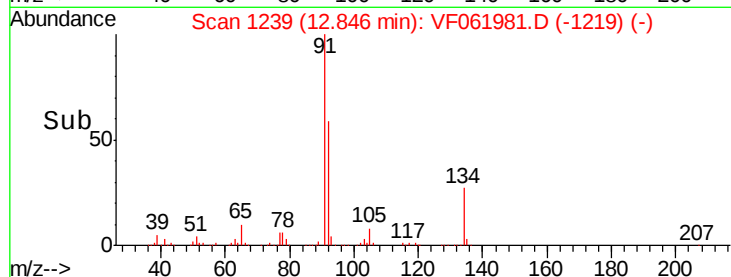
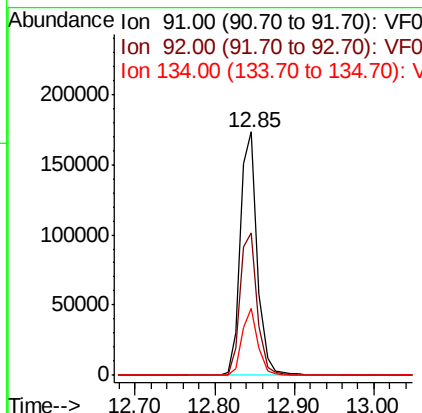
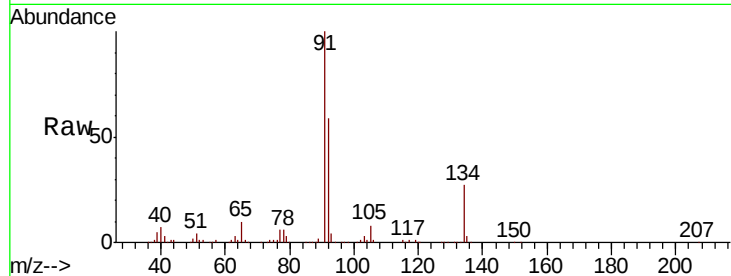
#89
n-Butylbenzene
Concen: 22.510 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	257852		
92	58.6		31.7	95.1
134	27.3		15.1	45.3

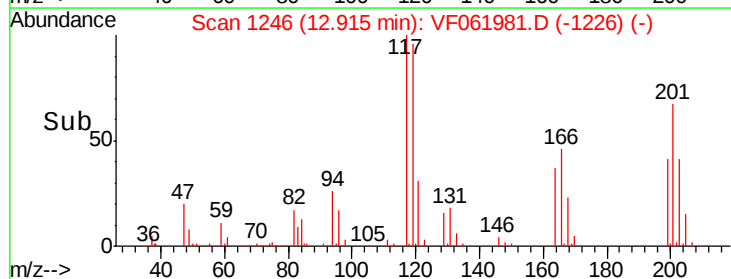
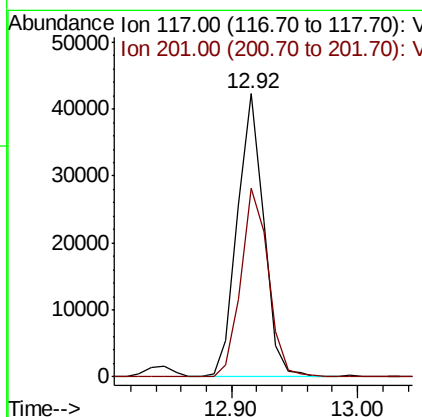
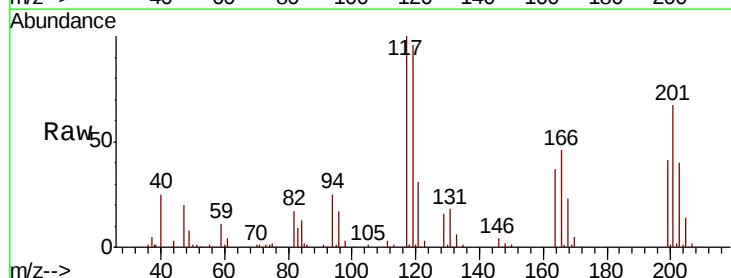
Manual Integrations
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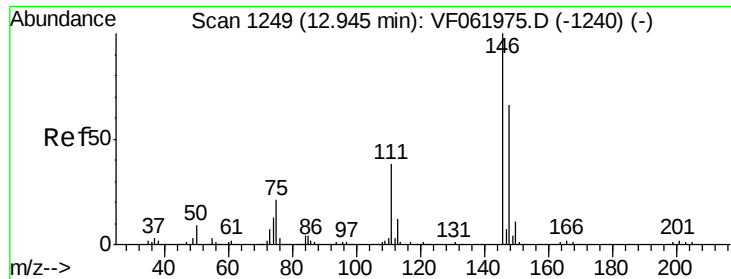
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#90
Hexachloroethane
Concen: 21.824 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	60715		
201	66.9		32.5	97.5





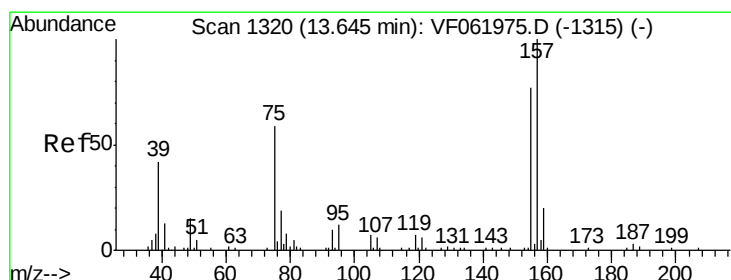
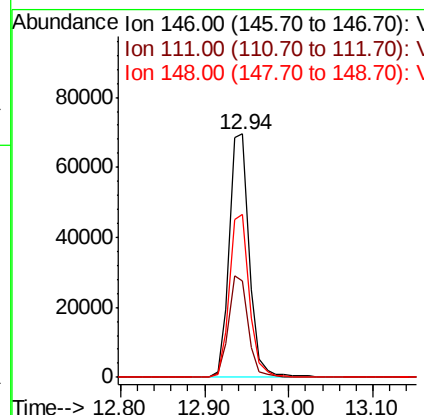
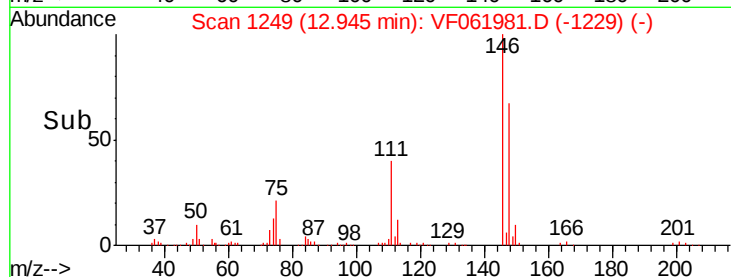
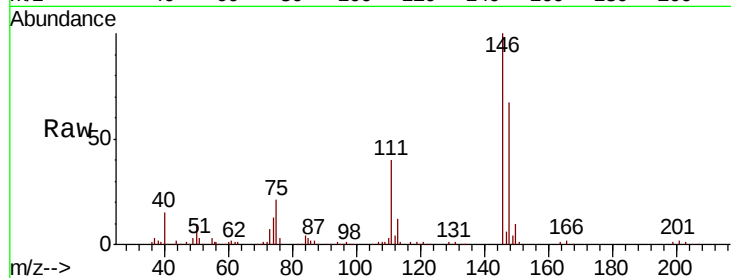
#91
 1,2-Dichlorobenzene
 Concen: 21.415 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	115550		
111	39.8	18.9	56.5	
148	66.9	32.9	98.6	

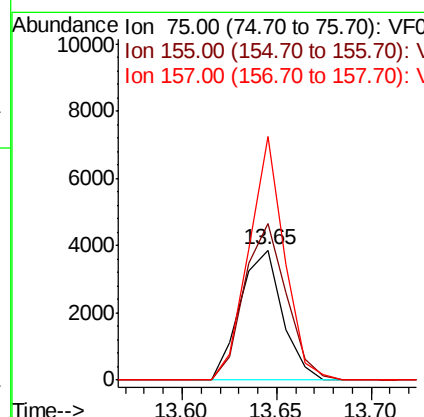
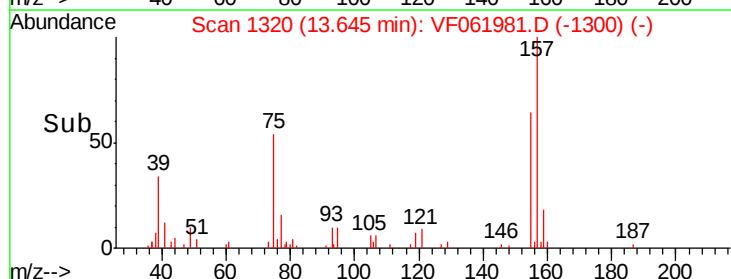
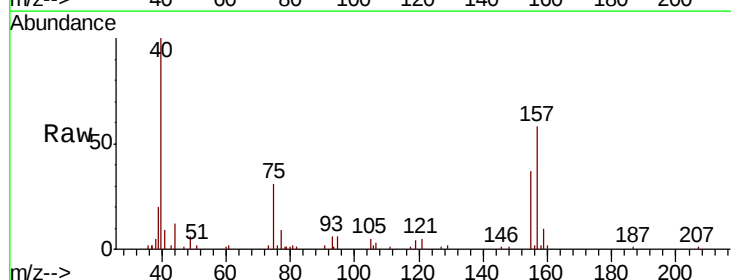
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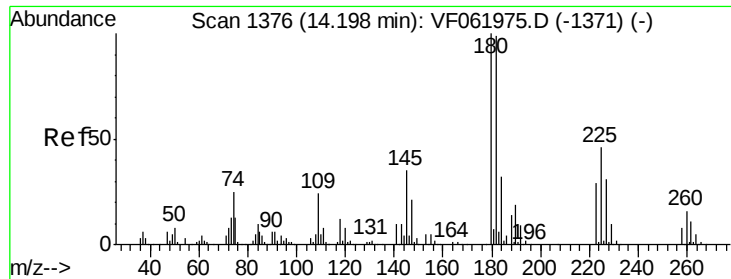
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.638 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	5980		
155	119.9	65.0	195.1	
157	186.8	84.7	254.0	





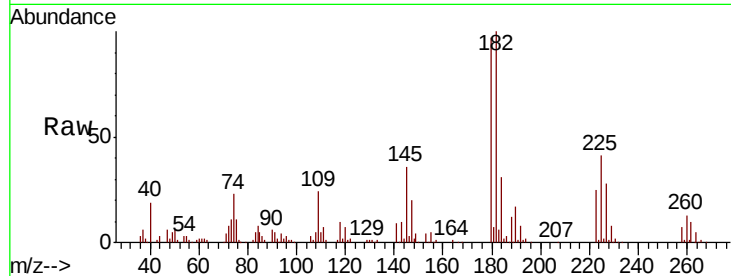
#93
 1,2,4-Trichlorobenzene
 Concen: 20.762 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	78011		
182	102.6	49.6	149.0	
145	37.4	17.5	52.5	

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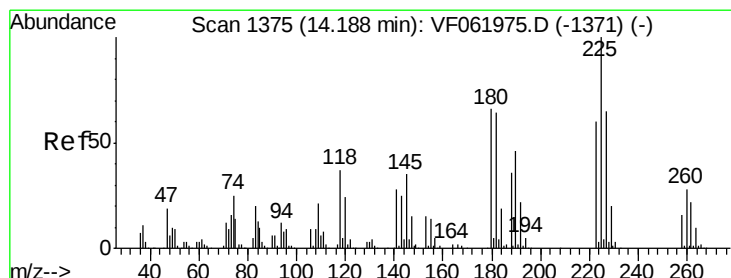
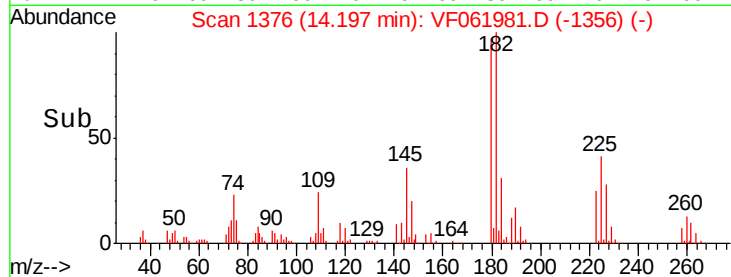
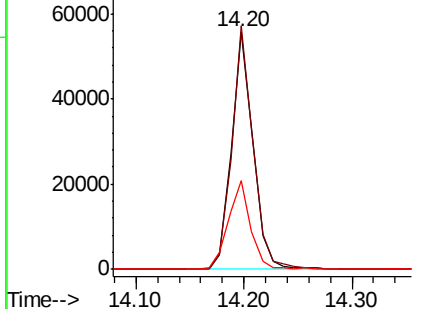


Abundance

Ion 180.00 (179.70 to 180.70): V

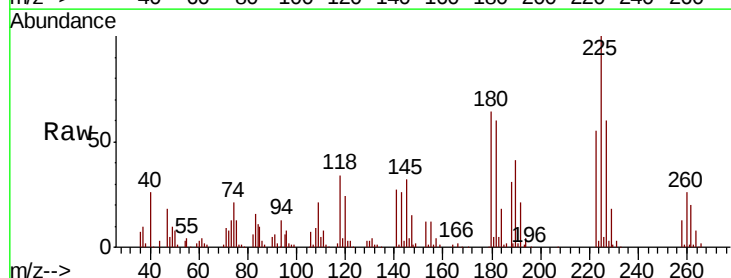
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 22.212 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55408		
223	54.8	29.9	89.7	
227	59.9	32.4	97.2	

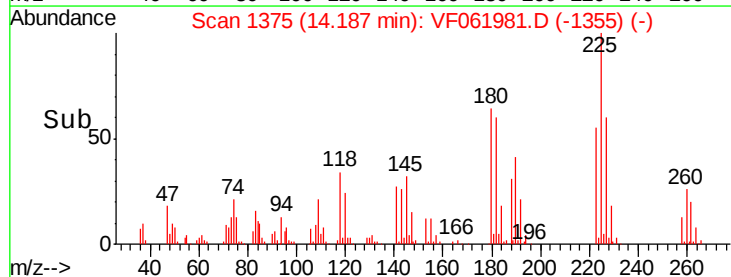
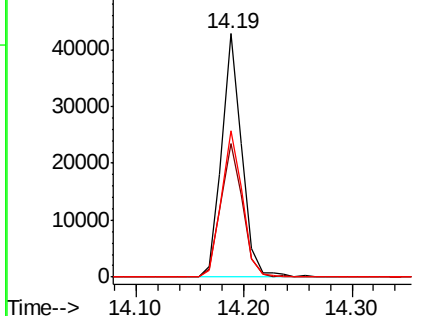


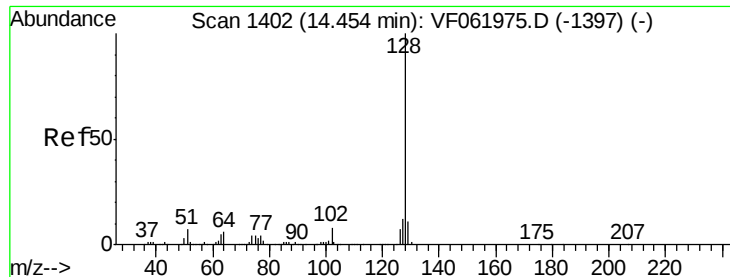
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





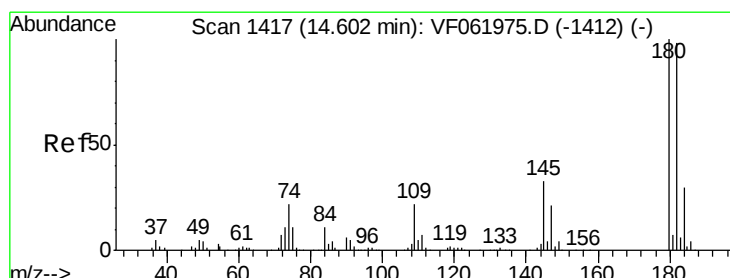
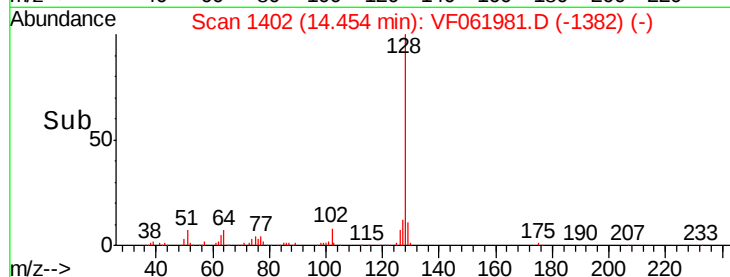
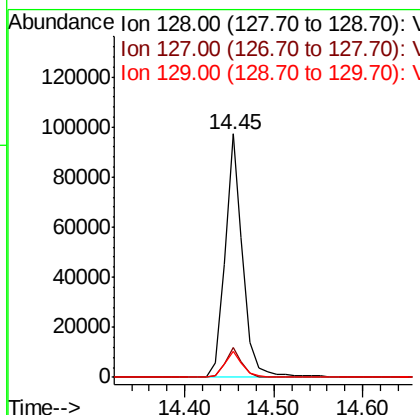
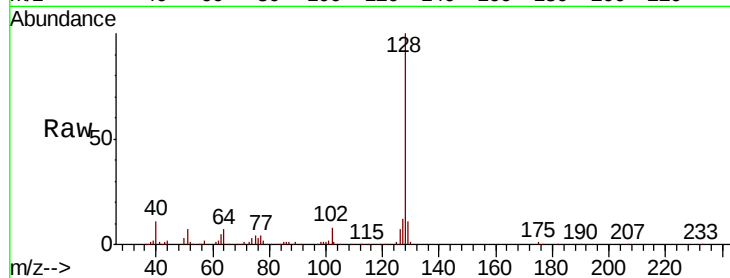
#95
Naphthalene
Concen: 20.102 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.3	13.9
129	10.9	9.1	13.7

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#96
1,2,3-Trichlorobenzene
Concen: 20.855 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.6	48.9	146.8
145	31.2	16.7	50.1

