

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061978.D
 Acq On : 16 Mar 2019 15:54
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF031619

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 6:19:16 PM

Quant Time: Mar 22 03:32:25 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	267826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	403415	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	347569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	180271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	100601	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
35) Dibromofluoromethane	4.11	113	141765	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	7.55	98	420318	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
62) 4-Bromofluorobenzene	11.41	95	164595	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	123545	43.271	ug/l	99
3) Chloromethane	1.09	50	129830	44.747	ug/l	90
4) Vinyl Chloride	1.14	62	128168	45.674	ug/l	93
5) Bromomethane	1.32	94	92783	47.067	ug/l	94
6) Chloroethane	1.39	64	66681	46.030	ug/l	94
7) Trichlorofluoromethane	1.48	101	170134	45.764	ug/l	96
8) Diethyl Ether	1.63	74	42857	51.856	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	119700	45.699	ug/l	96
10) Methyl Iodide	1.90	142	218489m	47.647	ug/l	
11) Tert butyl alcohol	2.57	59	29568	250.638	ug/l	97
12) 1,1-Dichloroethene	1.79	96	105478	46.662	ug/l	93
13) Acrolein	2.00	56	42784	335.948	ug/l	88
14) Allyl chloride	2.09	41	129122	44.749	ug/l	94
15) Acrylonitrile	2.94	53	88264	246.036	ug/l	94
16) Acetone	2.24	43	121274	280.129	ug/l	99
17) Carbon Disulfide	1.82	76	301106m	46.081	ug/l	
18) Methyl Acetate	2.34	43	49620	50.578	ug/l #	87
19) Methyl tert-butyl Ether	2.42	73	202548	49.450	ug/l	97
20) Methylene Chloride	2.18	84	106755m	47.262	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	103575	43.908	ug/l	98
22) Diisopropyl ether	2.80	45	325732	46.932	ug/l	99
23) Vinyl Acetate	3.18	43	697783	255.036	ug/l	97
24) 1,1-Dichloroethane	2.87	63	192462	47.691	ug/l	99
25) 2-Butanone	4.33	43	211481	246.658	ug/l	100
26) 2,2-Dichloropropane	3.59	77	85664	45.002	ug/l	90
27) cis-1,2-Dichloroethene	3.47	96	145414	48.908	ug/l	98
28) Bromochloromethane	3.71	49	81046	48.399	ug/l	98
29) Tetrahydrofuran	4.06	42	86859	232.945	ug/l	98
30) Chloroform	3.85	83	210026	45.932	ug/l	98
31) Cyclohexane	3.69	56	184556m	46.292	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	142811	47.029	ug/l	95
36) 1,1-Dichloropropene	4.28	75	171684	47.127	ug/l	96
37) Ethyl Acetate	4.10	43	76833	46.971	ug/l	99
38) Carbon Tetrachloride	3.97	117	125299	47.062	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	186637	43.639	ug/l	96
40) Benzene	4.62	78	449816	46.598	ug/l	99
41) Methacrylonitrile	4.74	41	42916	49.106	ug/l	93
42) 1,2-Dichloroethane	4.94	62	117854	49.044	ug/l	100
43) Isopropyl Acetate	6.95	43	96917	50.077	ug/l #	94
44) Trichloroethene	5.50	130	136628	46.203	ug/l	97
45) 1,2-Dichloropropane	6.23	63	108297	47.405	ug/l	90
46) Dibromomethane	6.08	93	68215	50.195	ug/l	97
47) Bromodichloromethane	6.38	83	157078	49.026	ug/l	98
48) Methyl methacrylate	6.71	41	60878	48.671	ug/l	88
49) 1,4-Dioxane	6.69	88	10988	987.597	ug/l #	63
51) 4-Methyl-2-Pentanone	8.25	43	342263	249.041	ug/l	94
52) Toluene	7.62	92	280682	47.589	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	136402	50.427	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	177806	50.379	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	81504	49.512	ug/l	93
56) Ethyl methacrylate	8.62	69	93290	49.853	ug/l	96
57) 1,3-Dichloropropane	8.85	76	128243	46.702	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	83952	247.689	ug/l	98
59) 2-Hexanone	9.49	43	252180	253.547	ug/l	98
60) Dibromochloromethane	8.72	129	116957	51.178	ug/l	97
61) 1,2-Dibromoethane	8.98	107	88795	50.287	ug/l	100
64) Tetrachloroethene	8.14	164	118859	47.046	ug/l	96
65) Chlorobenzene	9.79	112	301819	46.641	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.93	131	123958	49.419	ug/l	97
67) Ethyl Benzene	9.90	91	514909	46.472	ug/l	99
68) m/p-Xylenes	10.13	106	390139	93.620	ug/l	95
69) o-Xylene	10.71	106	216479	48.548	ug/l	96
70) Styrene	10.79	104	299608	48.499	ug/l	99
71) Bromoform	10.77	173	64881	51.138	ug/l	97
73) Isopropylbenzene	11.12	105	624122	50.113	ug/l	100
74) N-amyl acetate	11.37	43	148411	52.006	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	105593	51.366	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	73491	51.125	ug/l	99
77) Bromobenzene	11.50	156	140845	48.834	ug/l	98
78) n-propylbenzene	11.60	91	685861	47.894	ug/l	99
79) 2-Chlorotoluene	11.71	91	380194	47.035	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	491363	48.842	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	37619m	59.157	ug/l	
82) 4-Chlorotoluene	11.90	91	389635	47.666	ug/l	99
83) tert-Butylbenzene	12.13	119	526965	50.086	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	478354	47.471	ug/l	98
85) sec-Butylbenzene	12.31	105	674295	47.435	ug/l	97
86) p-Isopropyltoluene	12.46	119	577790	48.711	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	265884	46.905	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	256113	46.941	ug/l	98
89) n-Butylbenzene	12.84	91	564158	50.616	ug/l	96
90) Hexachloroethane	12.92	117	137012	50.615	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	264407	50.362	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	17343	52.573	ug/l	94

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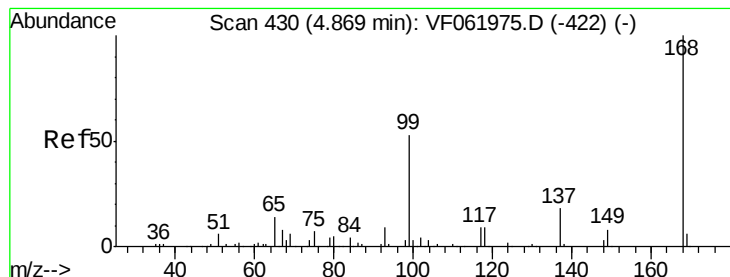
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	185319	50.689	ug/l	97
94) Hexachlorobutadiene	14.19	225	118785	48.941	ug/l	98
95) Naphthalene	14.46	128	335505	51.024	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	173818	51.677	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

Tot Ion:168 Resp: 267826

Ion Ratio Lower Upper

168 100

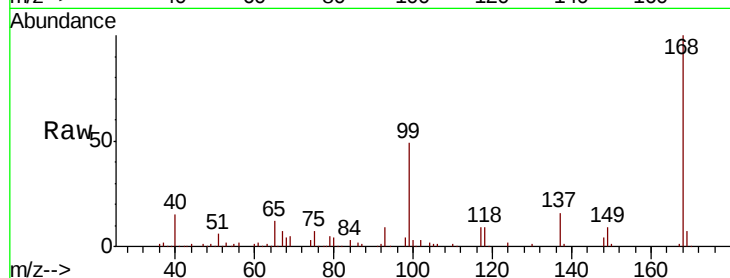
99 49.1 42.4 63.6

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

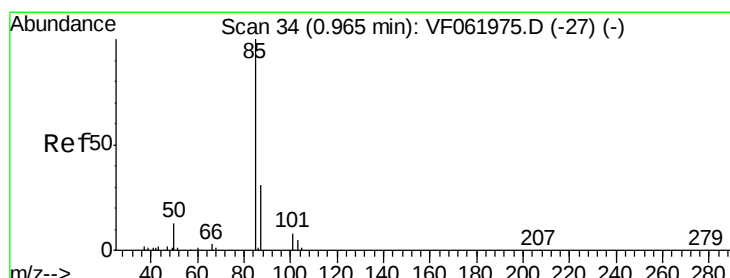
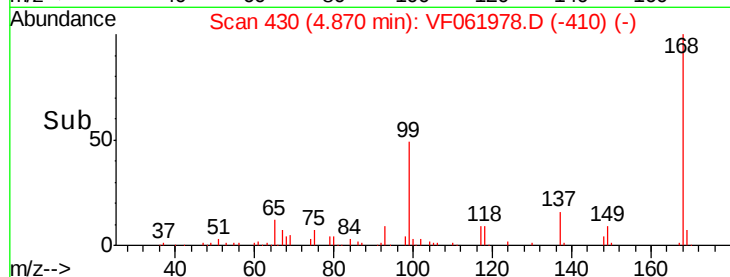
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.271 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061978.D

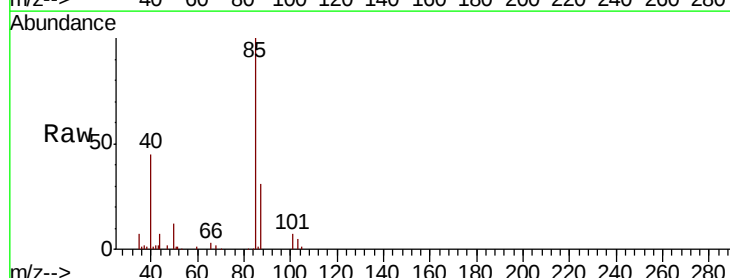
Acq: 16 Mar 2019 15:54

Tgt Ion: 85 Resp: 123545

Ion Ratio Lower Upper

85 100

87 31.3 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

40000

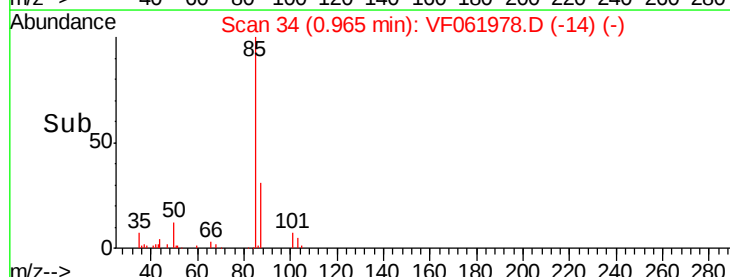
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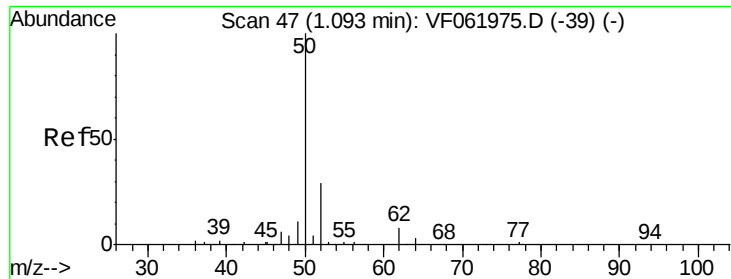
20000

10000

0

Time-->





#3

Chloromethane

Concen: 44.747 ug/l

RT: 1.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

Tot Ion: 50 Resp: 129830

Ion Ratio Lower Upper

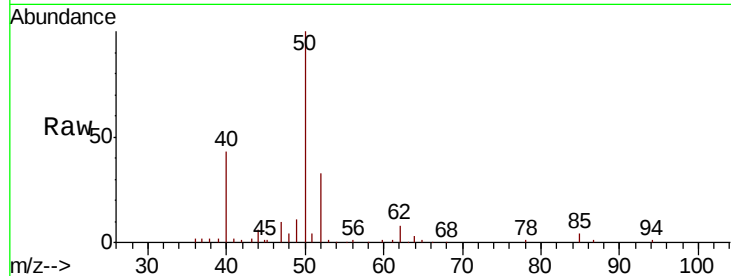
50 100

52 33.4 22.6 34.0

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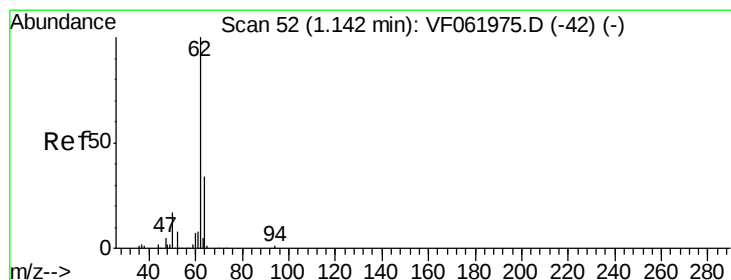
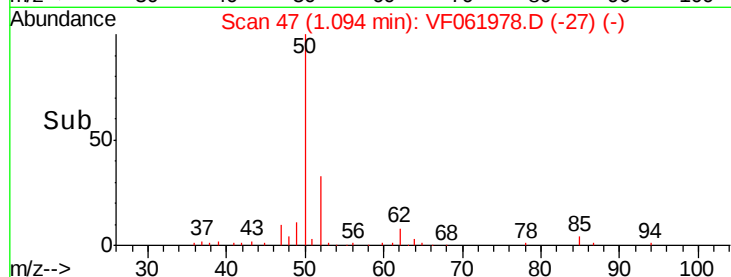
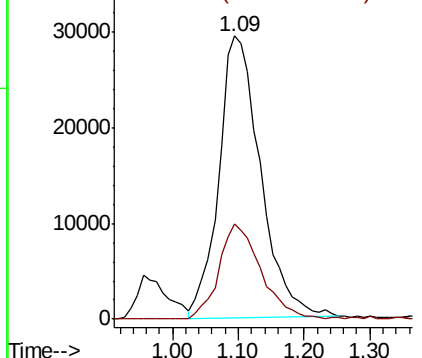
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 45.674 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061978.D

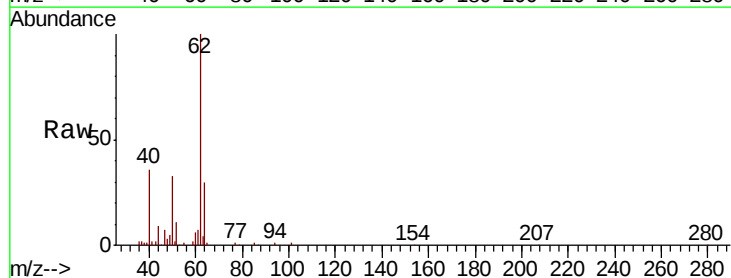
Acq: 16 Mar 2019 15:54

Tgt Ion: 62 Resp: 128168

Ion Ratio Lower Upper

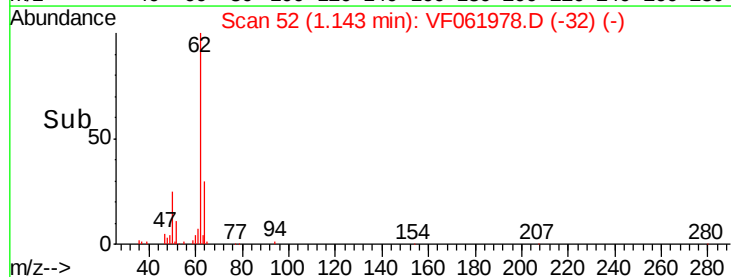
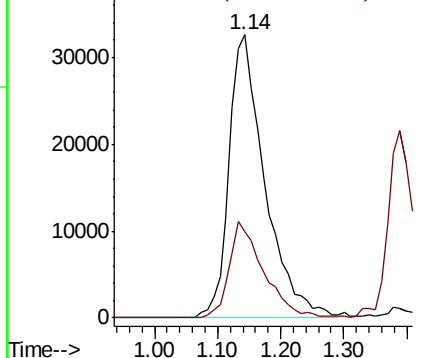
62 100

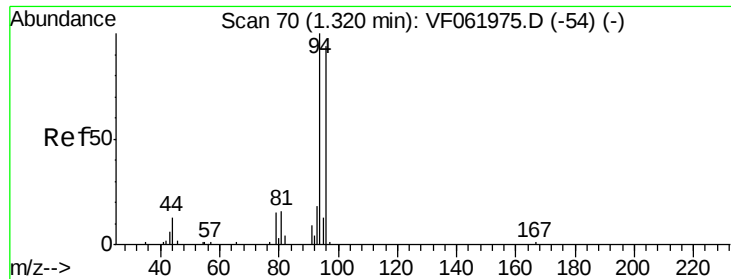
64 30.3 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 47.067 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

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ClientSampleId :

ICVVF031619

Tot Ion: 94 Resp: 92783

Ion Ratio Lower Upper

94 100

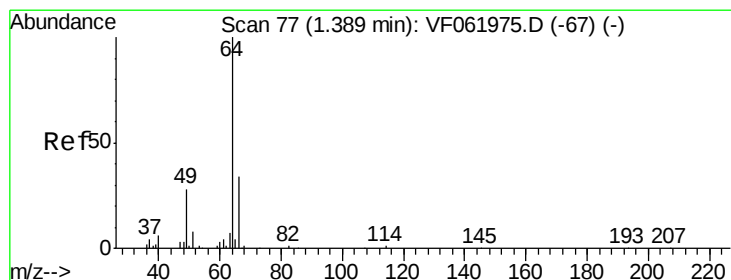
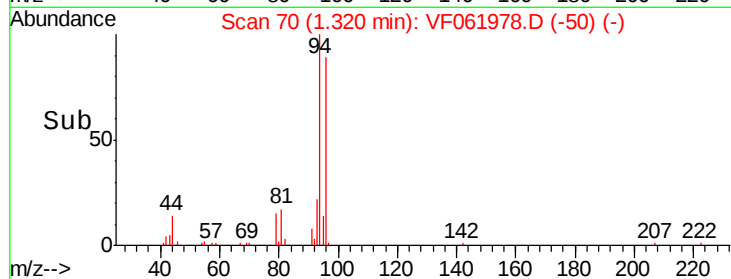
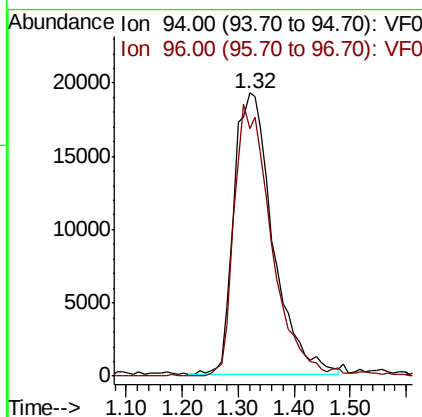
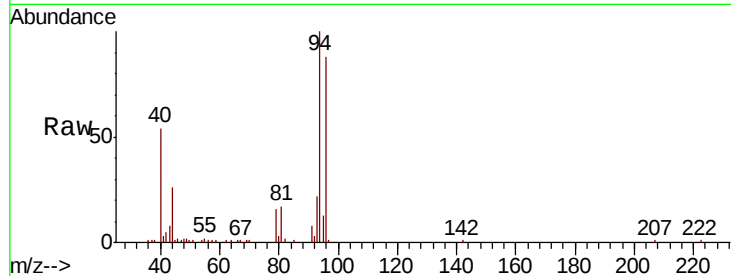
96 87.6 75.0 112.6

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#6

Chloroethane

Concen: 46.030 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF061978.D

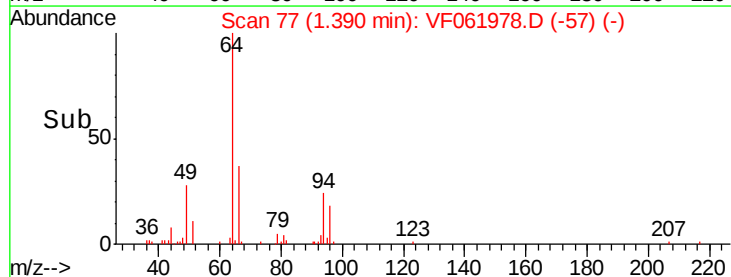
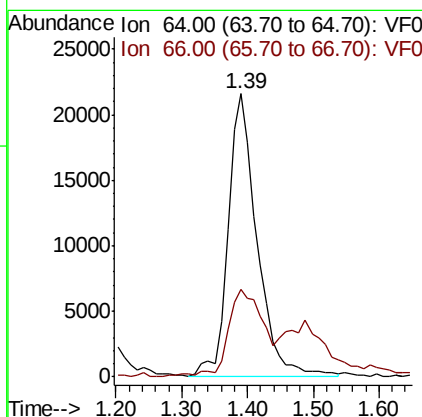
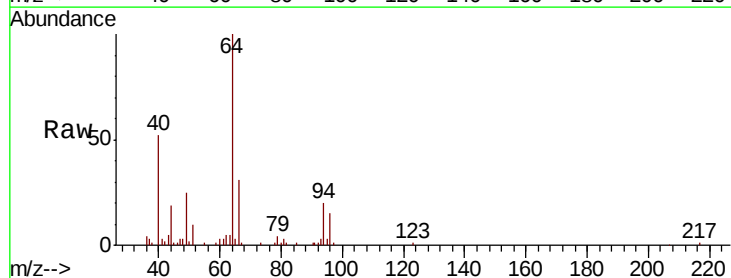
Acq: 16 Mar 2019 15:54

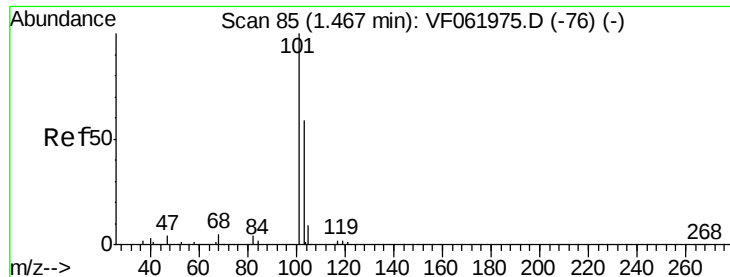
Tgt Ion: 64 Resp: 66681

Ion Ratio Lower Upper

64 100

66 30.8 27.6 41.4





#7

Trichlorofluoromethane

Concen: 45.764 ug/l

RT: 1.48 min Scan# 86

Delta R.T. 0.01 min

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Tot Ion:101 Resp: 170134

Ion Ratio Lower Upper

101 100

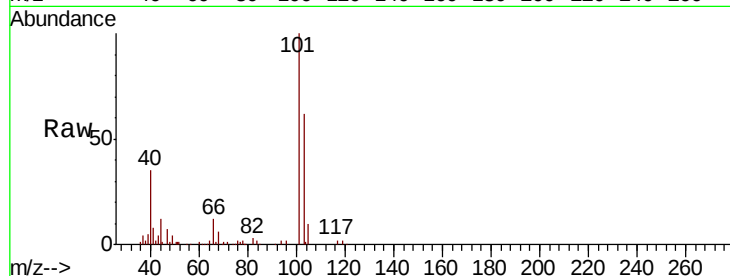
103 61.9 47.3 70.9

Manual Integrations

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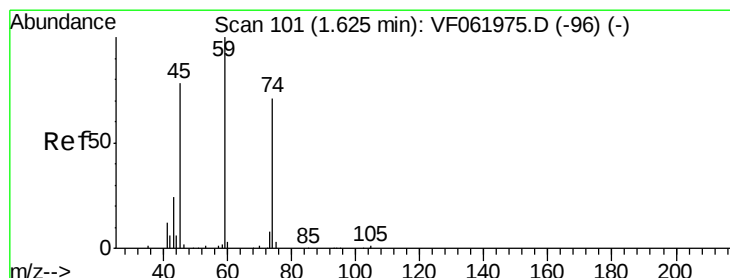
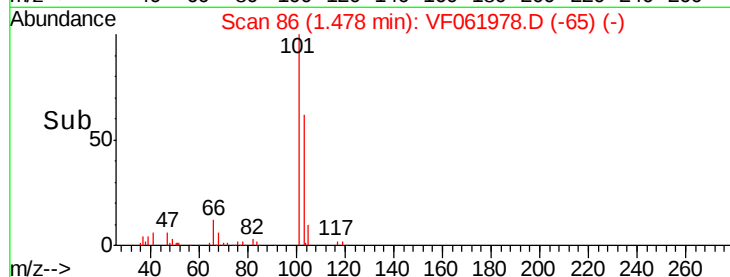
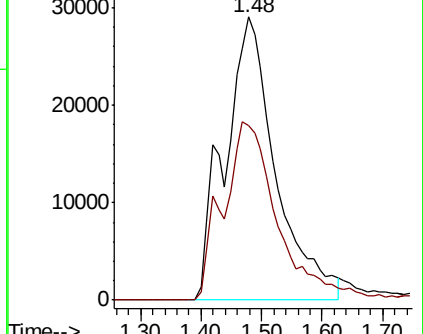
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 51.856 ug/l

RT: 1.63 min Scan# 101

Delta R.T. 0.00 min

Lab File: VF061978.D

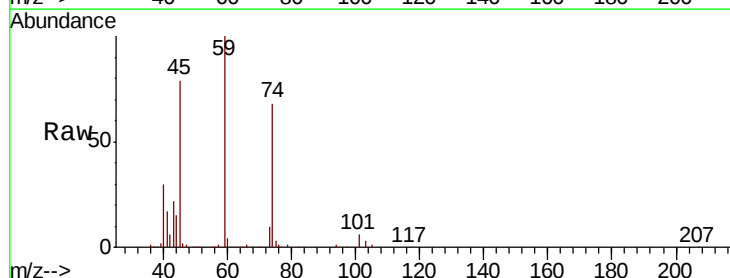
Acq: 16 Mar 2019 15:54

Tgt Ion: 74 Resp: 42857

Ion Ratio Lower Upper

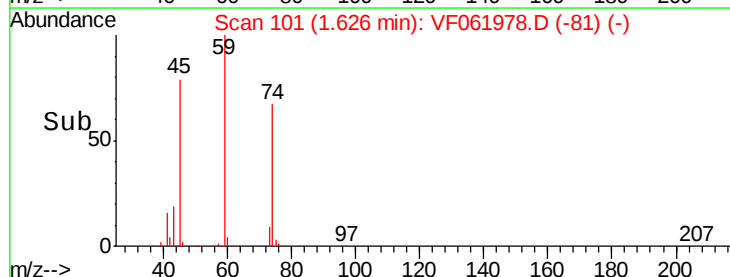
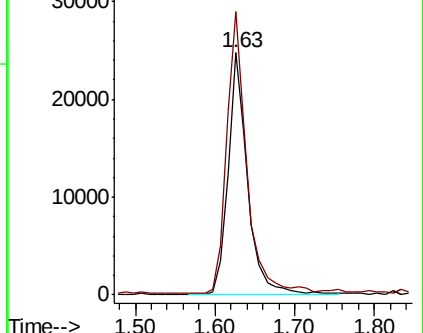
74 100

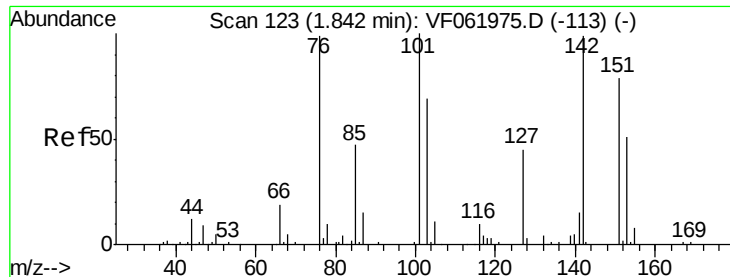
45 117.0 56.3 168.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.699 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

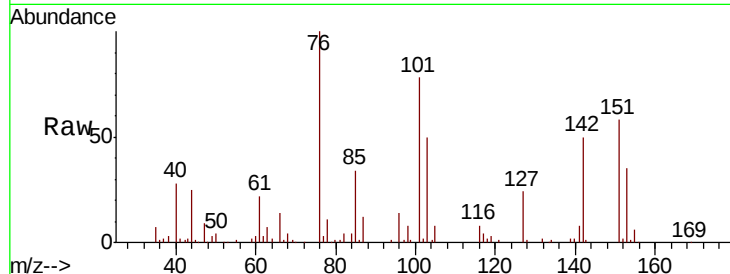
ClientSampleId :

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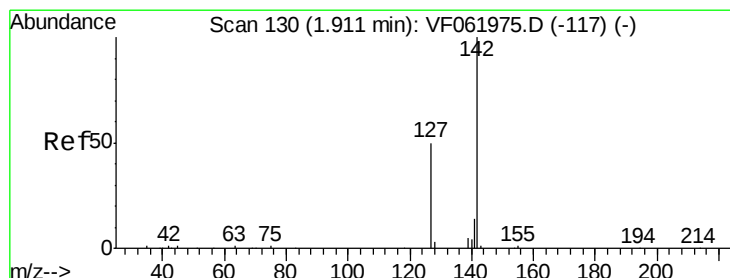
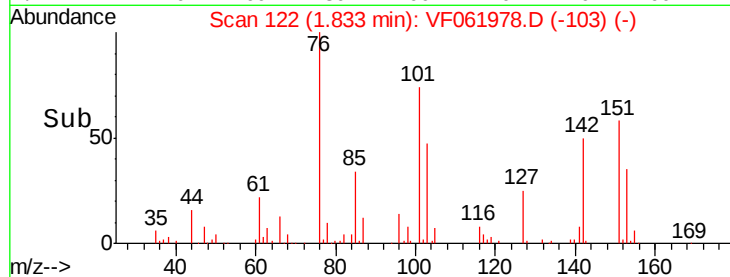
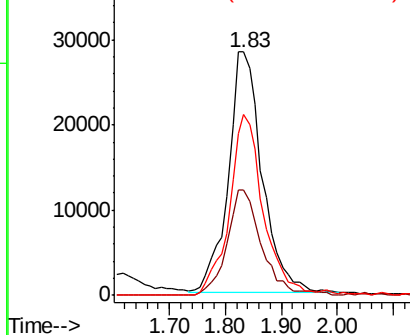
Tot Ion:	101	Resp:	119700
Ion Ratio	Lower	Upper	
101	100		
85	43.2	36.8	55.2
151	74.3	62.2	93.2

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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: 47.647 ug/l m

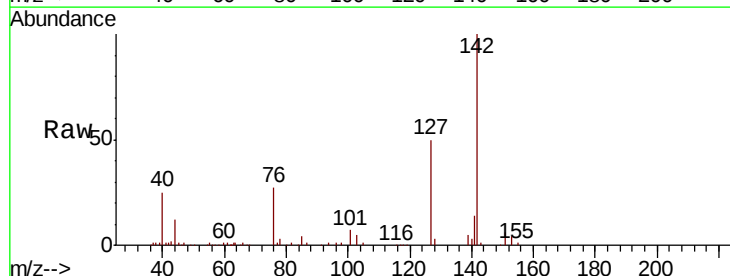
RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

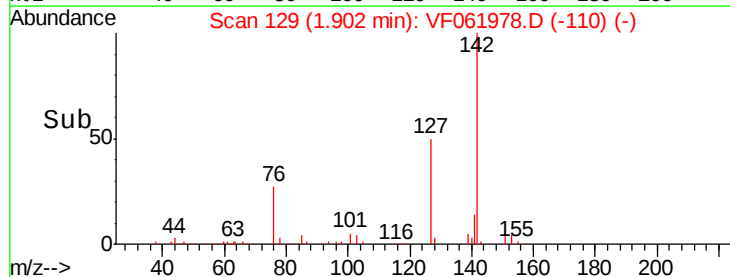
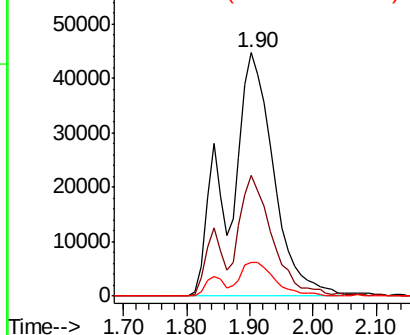
Lab File: VF061978.D

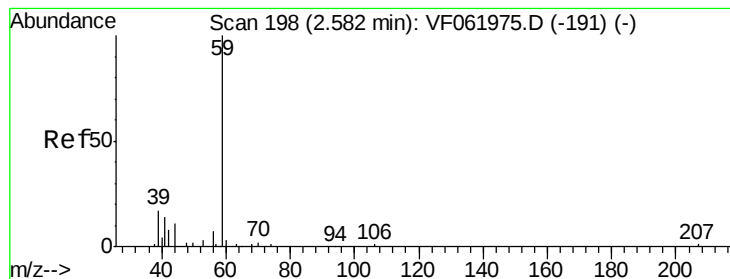
Acq: 16 Mar 2019 15:54

Tgt Ion:	142	Resp:	218489
Ion Ratio	Lower	Upper	
142	100		
127	49.8	39.7	59.5
141	13.6	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

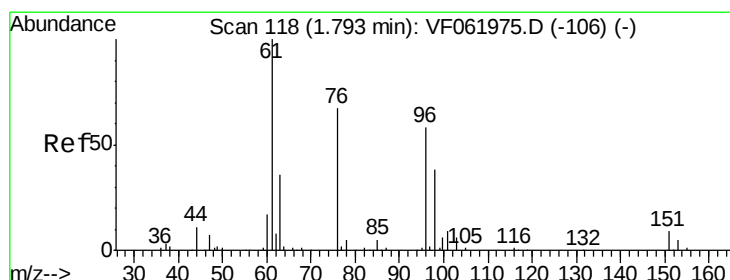
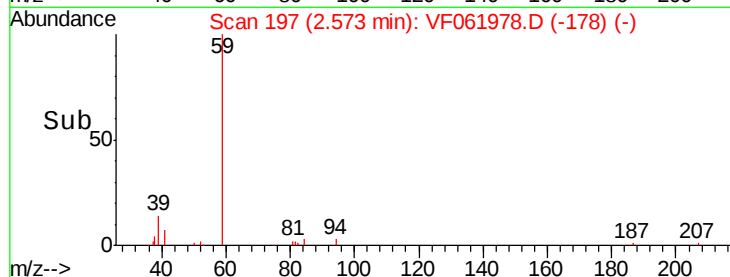
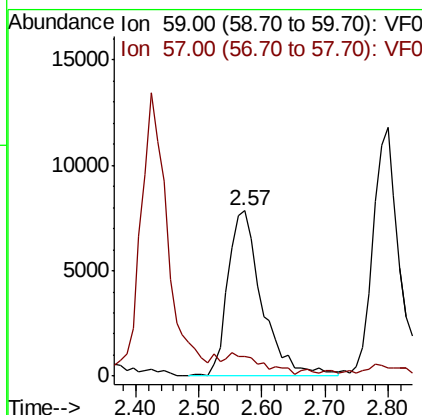
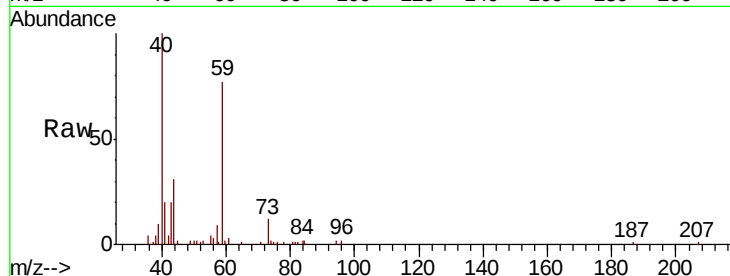
Tert butyl alcohol
Concen: 250.638 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.7	13.1

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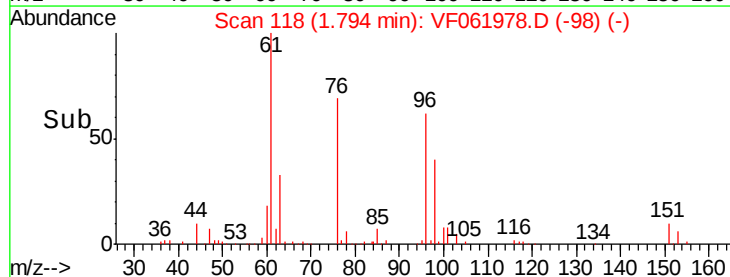
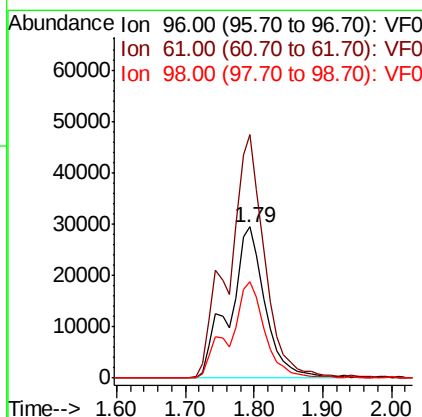
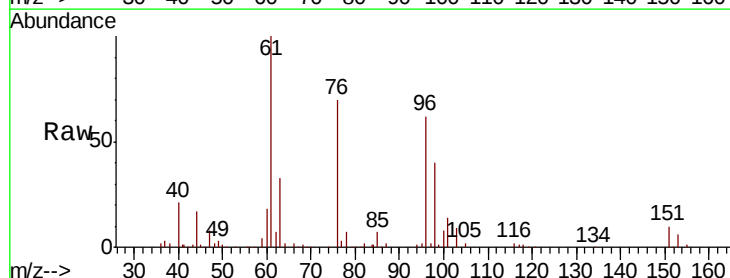
MMDadoda
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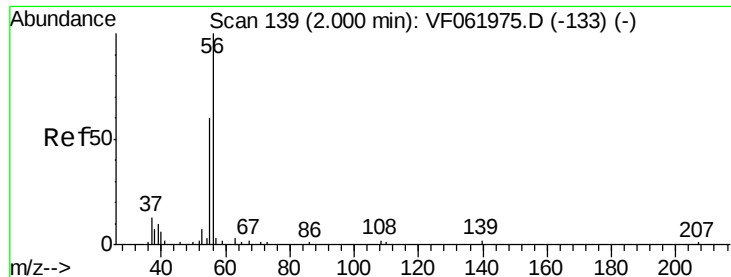


#12

1,1-Dichloroethene
Concen: 46.662 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.0	138.6	208.0
98	64.0	53.2	79.8





#13

Acrolein

Concen: 335.948 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

Tot Ion: 56 Resp: 42784

Ion Ratio Lower Upper

56 100

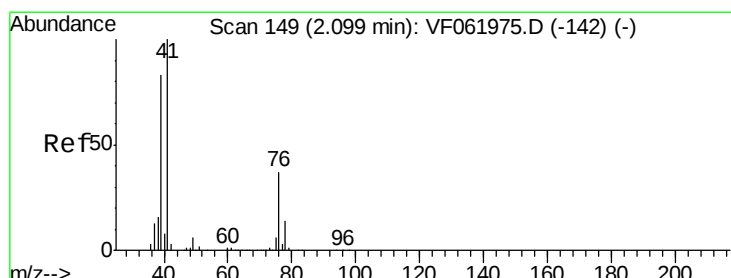
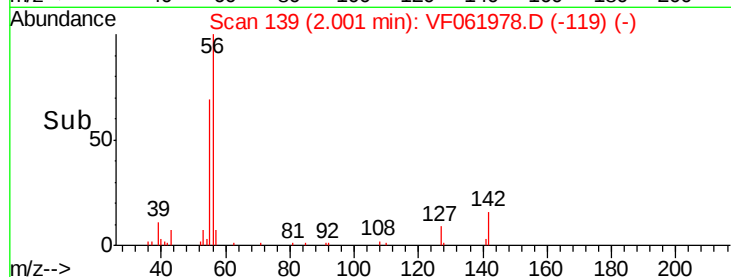
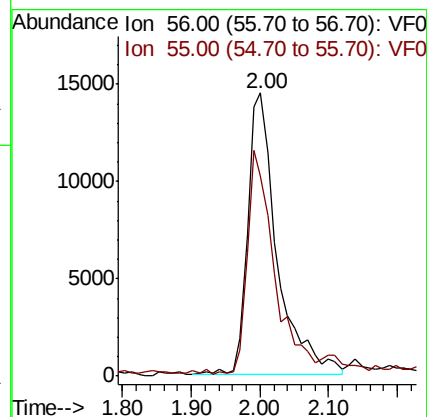
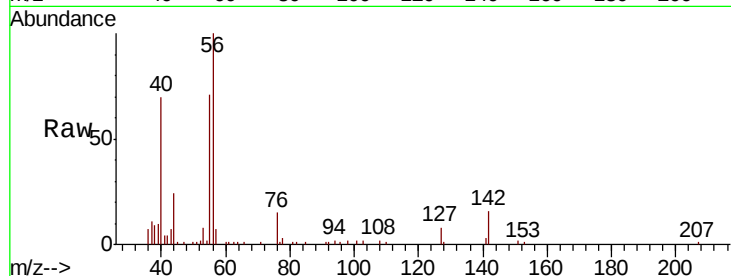
55 70.5 49.1 73.7

Manual Integrations

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#14

Allyl chloride

Concen: 44.749 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

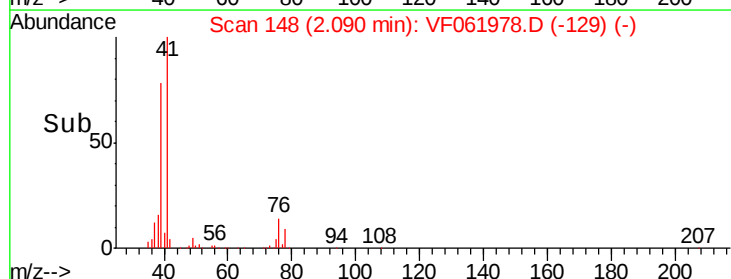
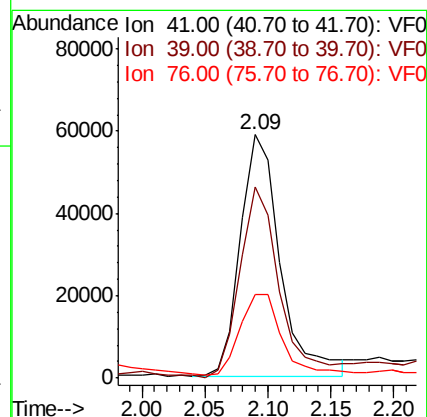
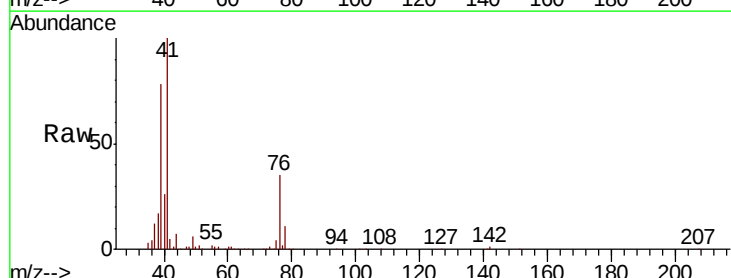
Tgt Ion: 41 Resp: 129122

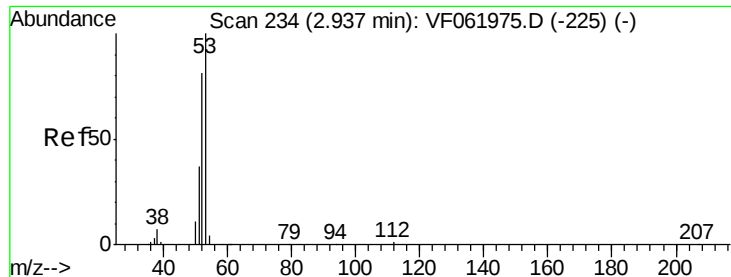
Ion Ratio Lower Upper

41 100

39 78.5 66.8 100.2

76 34.6 31.1 46.7





#15

Acrylonitrile

Concen: 246.036 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

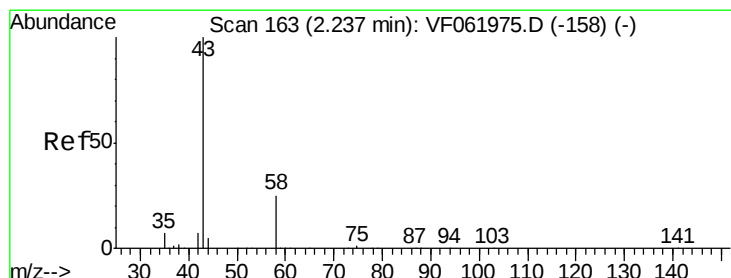
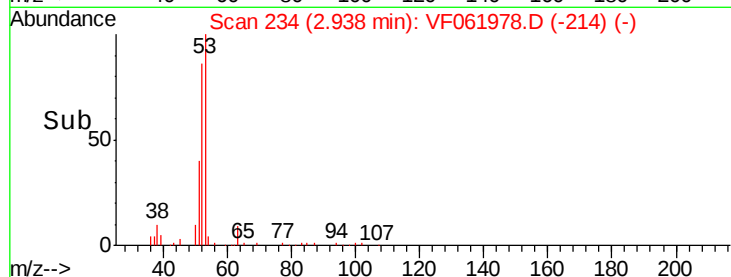
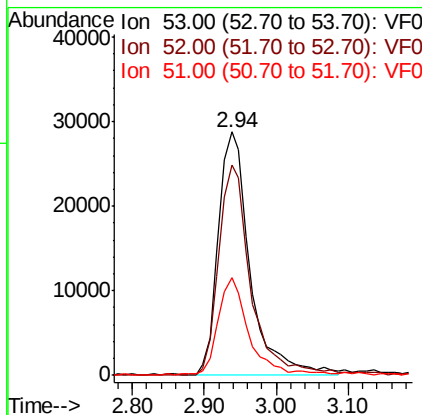
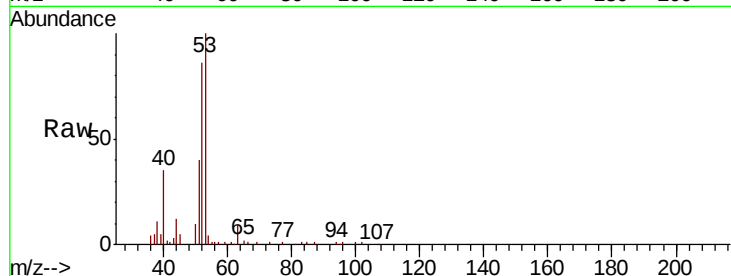
ClientSampleId :

ICVVF031619

Tot Ion:	53	Resp:	88264
Ion	Ratio	Lower	Upper
53	100		
52	86.4	64.4	96.6
51	40.3	30.3	45.5

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#16

Acetone

Concen: 280.129 ug/l

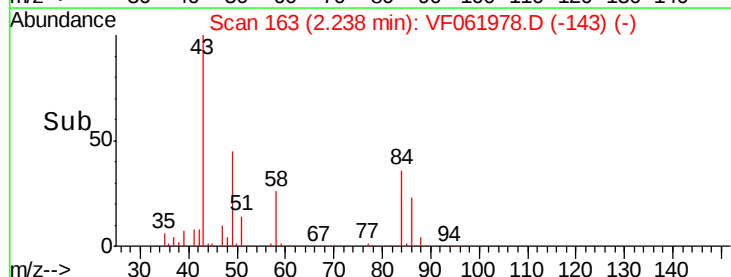
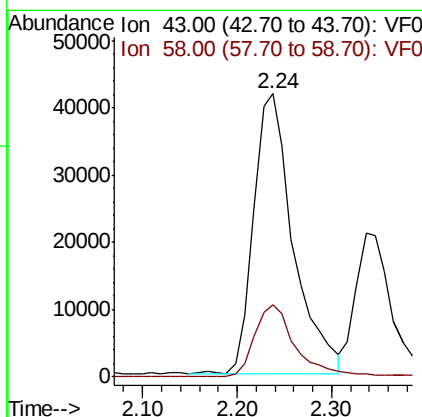
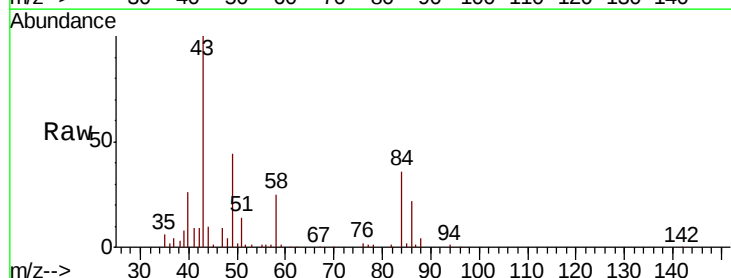
RT: 2.24 min Scan# 163

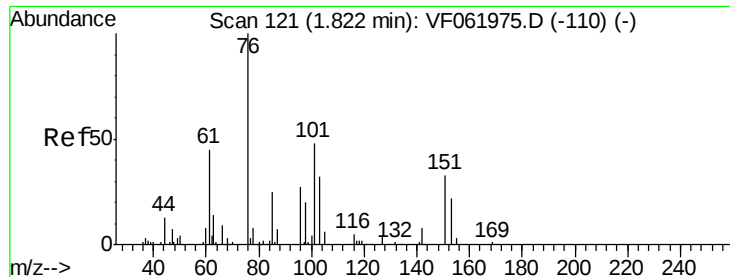
Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Tgt Ion:	43	Resp:	121274
Ion	Ratio	Lower	Upper
43	100		
58	25.4	19.9	29.9





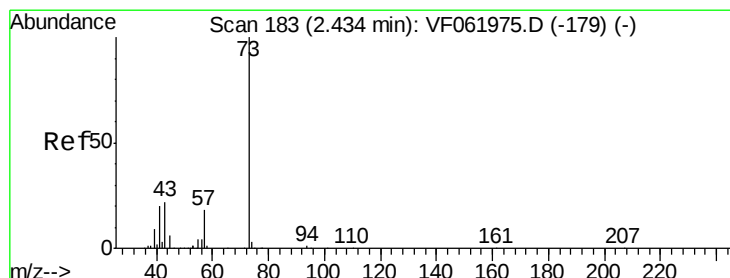
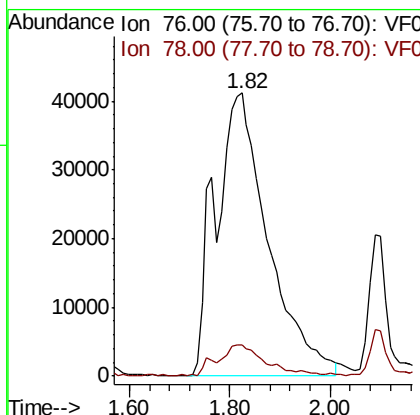
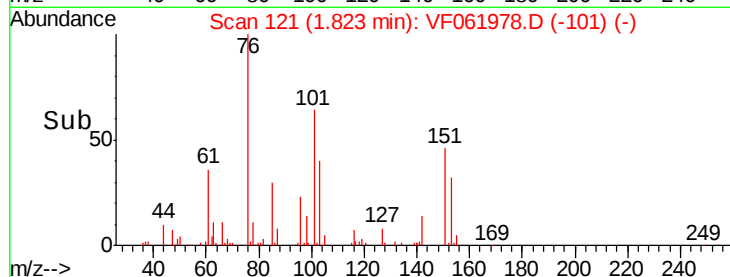
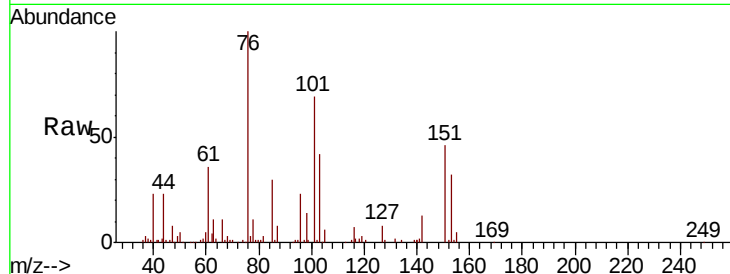
#17
Carbon Disulfide
Concen: 46.081 ug/l m
RT: 1.82 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tot Ion: 76 Resp: 301106
Ion Ratio Lower Upper
76 100
78 11.2 6.8 10.2#

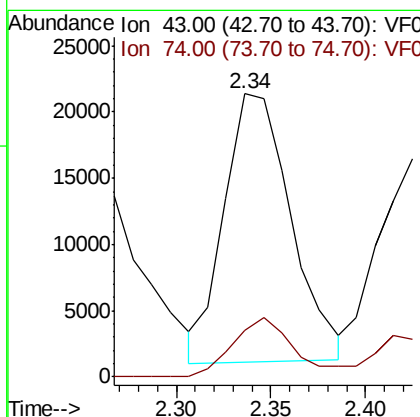
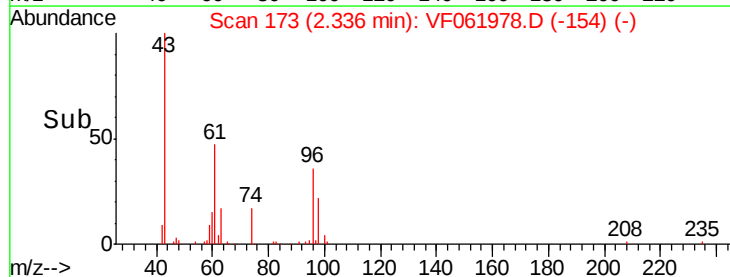
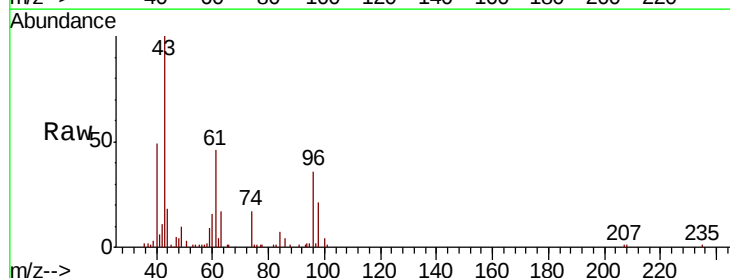
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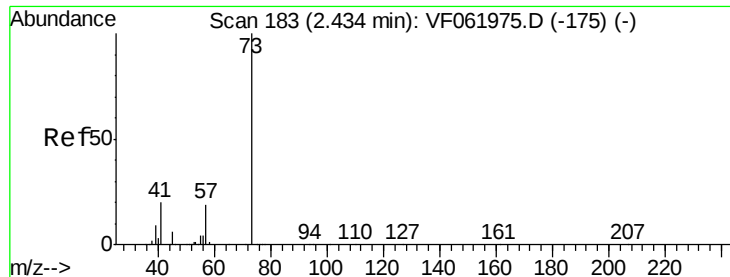
MMDadoda
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#18
Methyl Acetate
Concen: 50.578 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion: 43 Resp: 49620
Ion Ratio Lower Upper
43 100
74 16.6 18.3 27.5#





#19

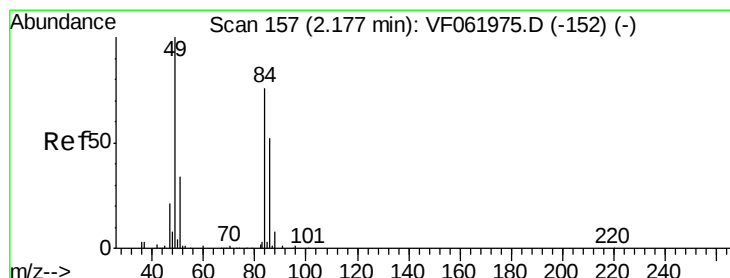
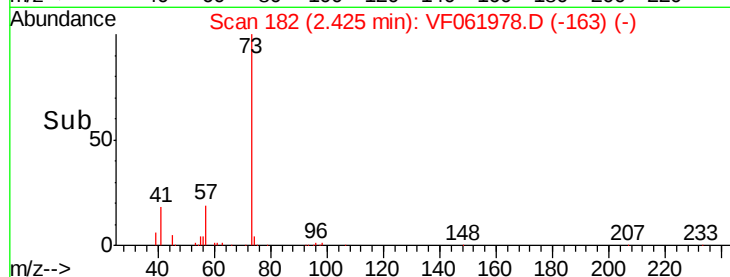
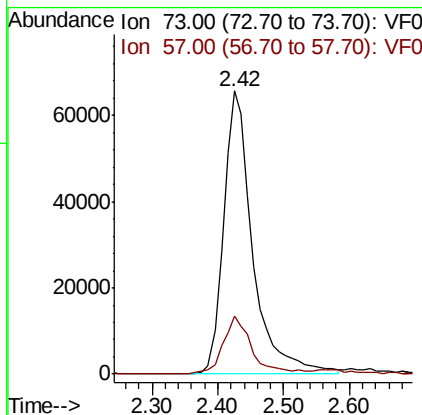
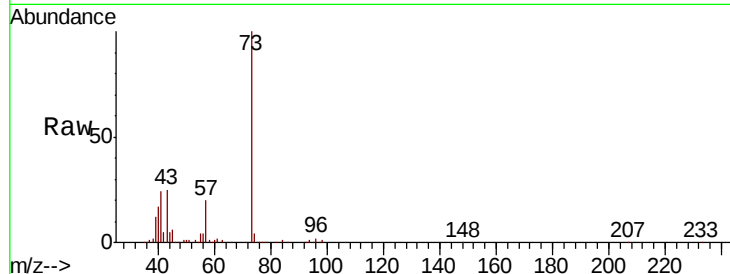
Methyl tert-butyl Ether
 Concen: 49.450 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF031619

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	15.3	22.9

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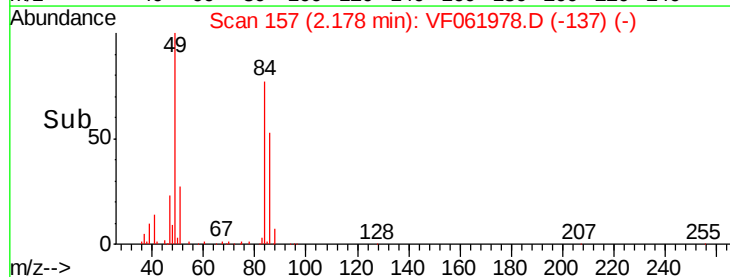
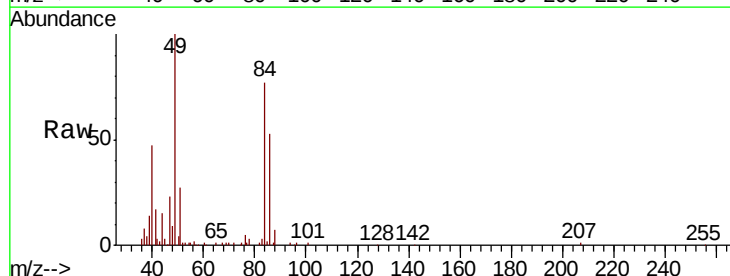
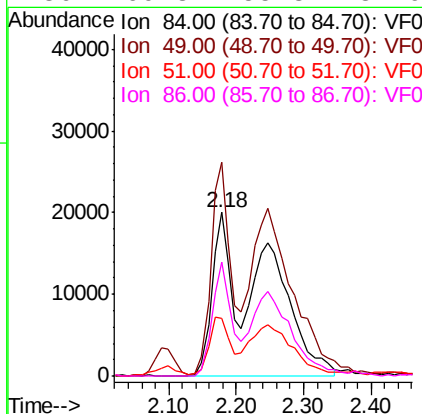
MMDadoda
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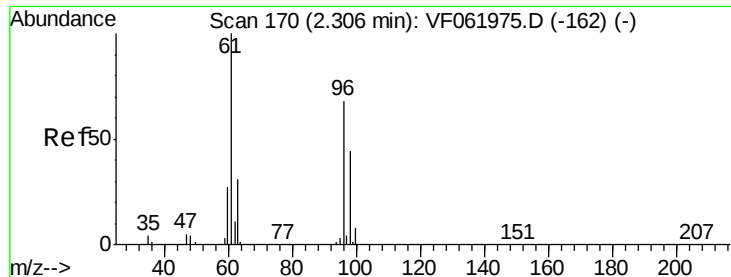


#20

Methylene Chloride
 Concen: 47.262 ug/l m
 RT: 2.18 min Scan# 157
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.5	107.0	160.6
51	35.6	37.2	55.8#
86	69.3	55.3	82.9





#21

trans-1,2-Dichloroethene

Concen: 43.908 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

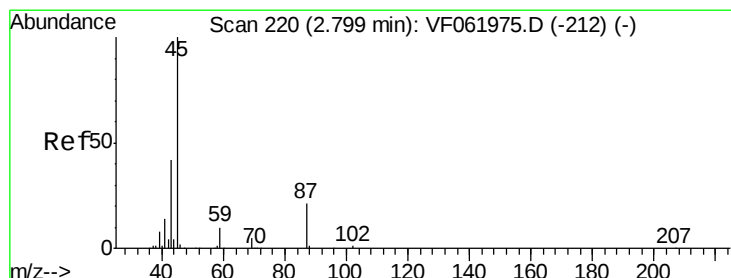
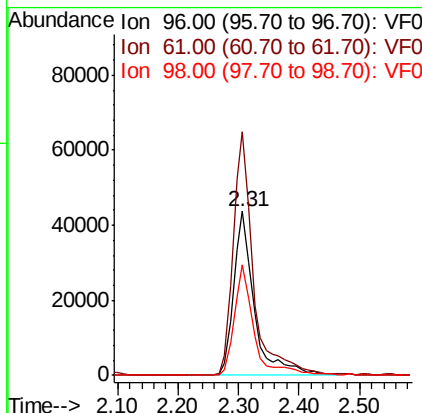
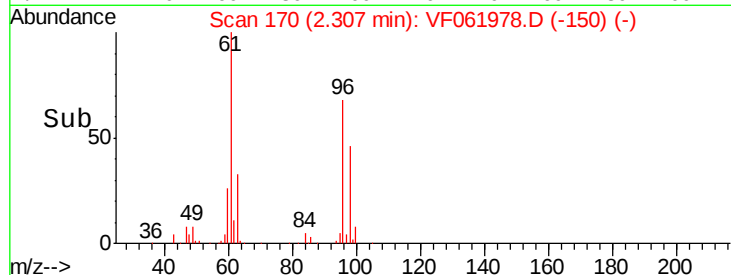
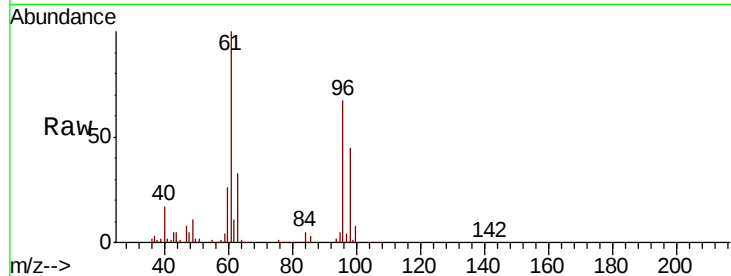
ClientSampleId :

ICVVF031619

Tot Ion:	96	Resp:	103575
Ion	Ratio	Lower	Upper
96	100		
61	148.6	117.4	176.2
98	67.4	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.932 ug/l

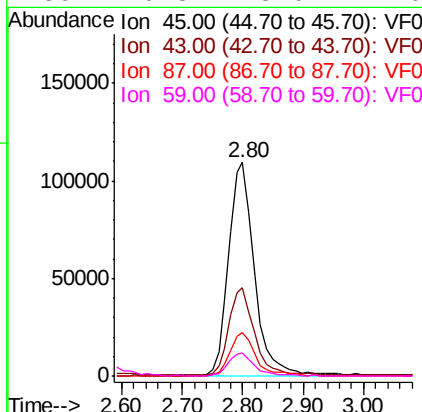
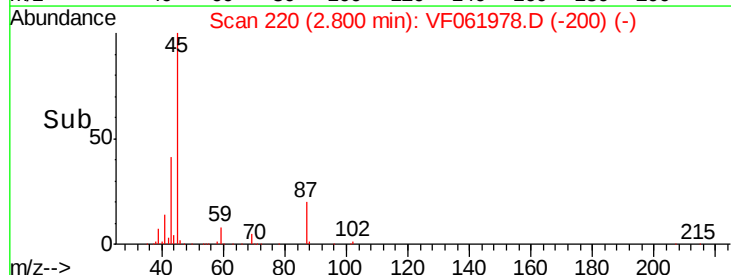
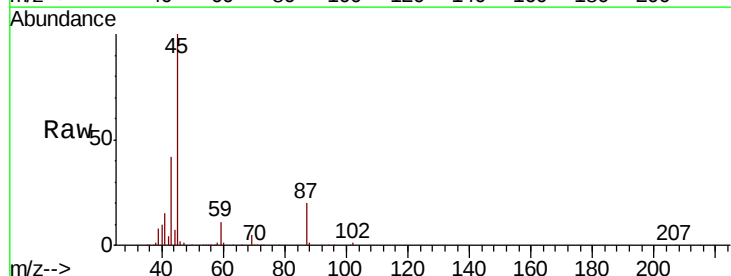
RT: 2.80 min Scan# 220

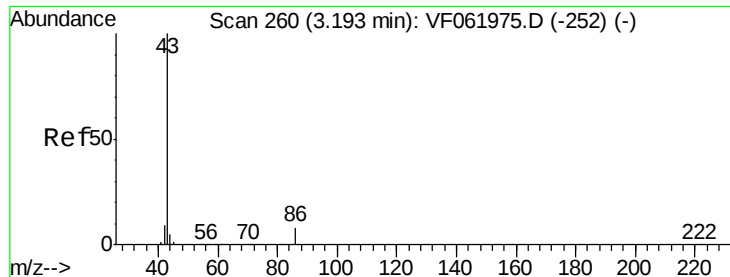
Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Tgt Ion:	45	Resp:	325732
Ion	Ratio	Lower	Upper
45	100		
43	41.6	33.7	50.5
87	20.4	17.1	25.7
59	10.8	8.0	12.0





#23

Vinyl Acetate

Concen: 255.036 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

Tot Ion: 43 Resp: 697783

Ion Ratio Lower Upper

43 100

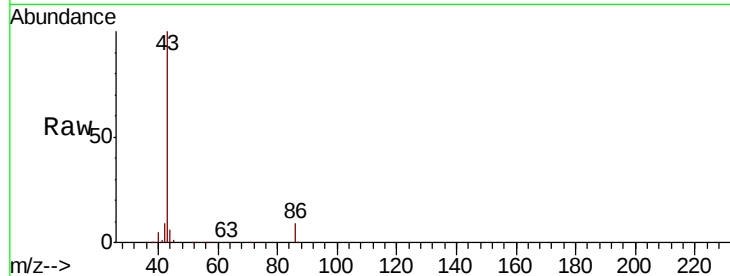
86 9.1 6.5 9.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

250000

200000

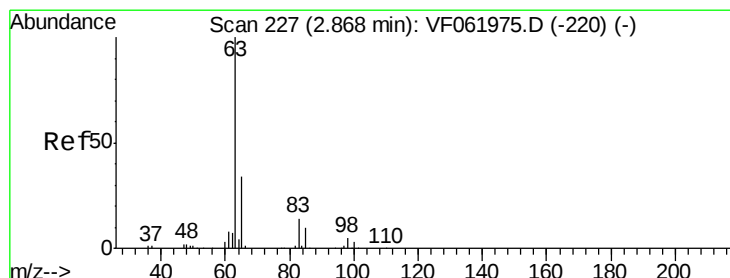
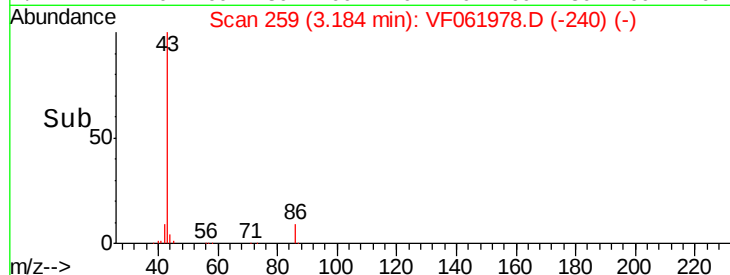
150000

100000

50000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 47.691 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

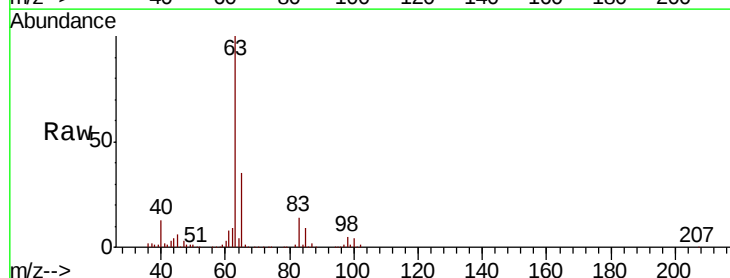
Tgt Ion: 63 Resp: 192462

Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

100 3.9 1.7 5.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.87

100000

80000

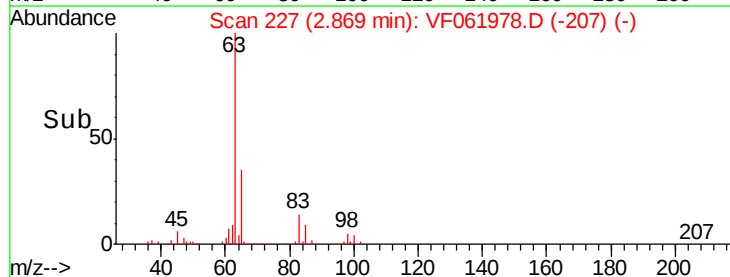
60000

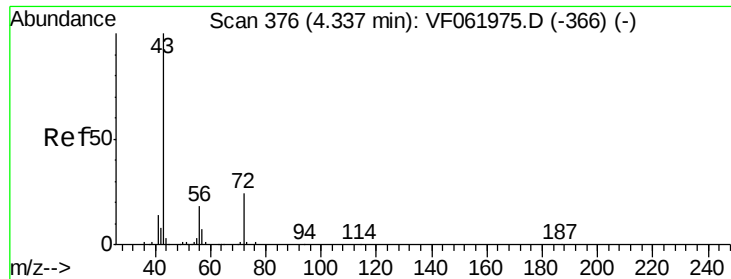
40000

20000

0

Time--> 2.70 2.80 2.90 3.00 3.10





#25

2-Butanone

Concen: 246.658 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

Tot Ion: 43 Resp: 211481

Ion Ratio Lower Upper

43 100

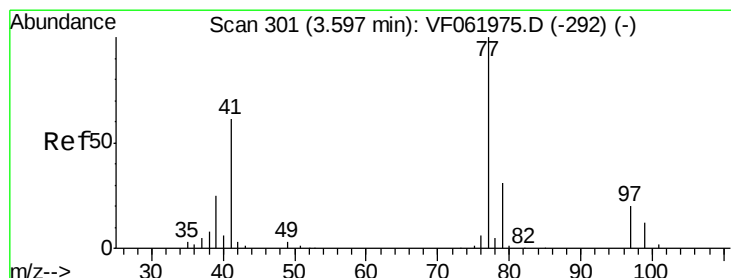
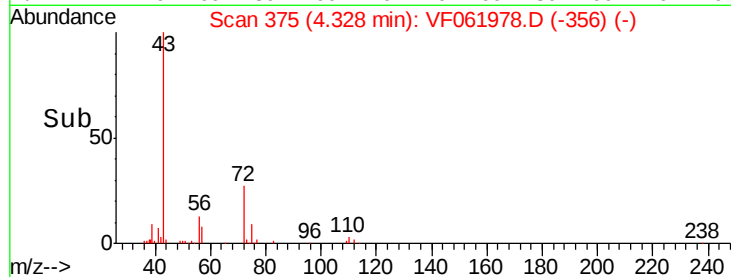
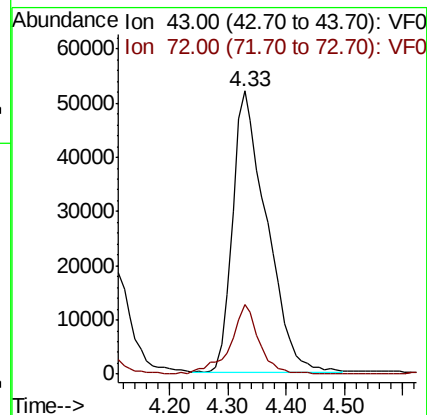
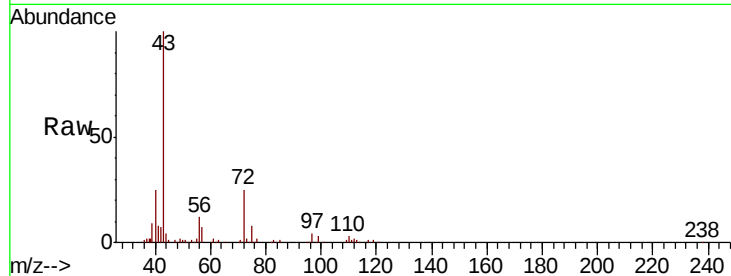
72 24.8 19.8 29.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.002 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.01 min

Lab File: VF061978.D

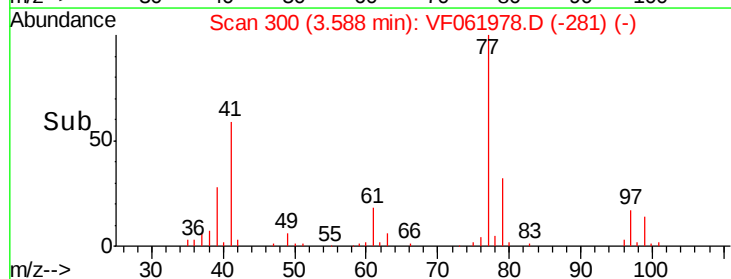
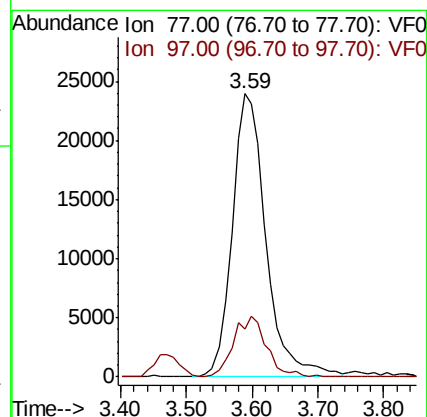
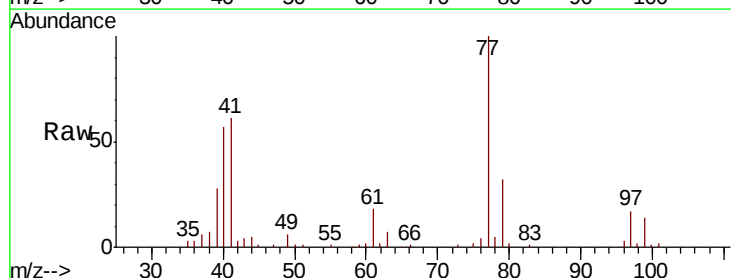
Acq: 16 Mar 2019 15:54

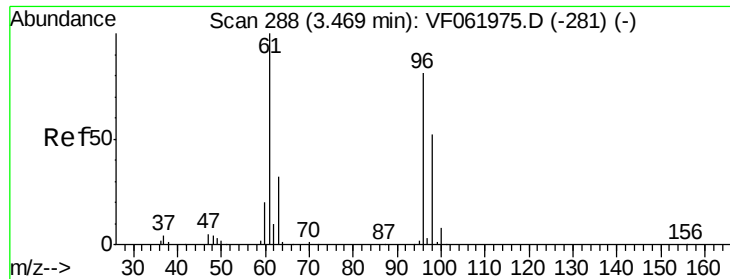
Tgt Ion: 77 Resp: 85664

Ion Ratio Lower Upper

77 100

97 16.9 10.8 32.4





#27

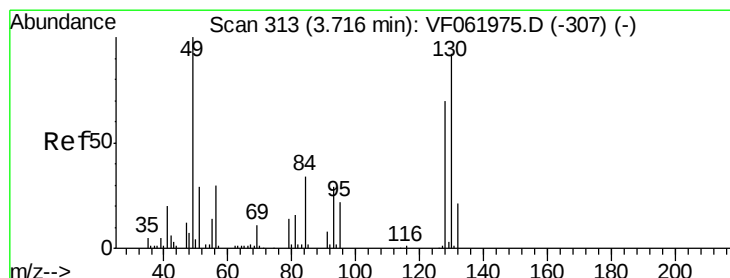
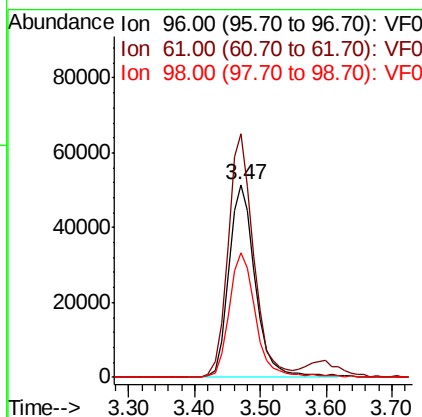
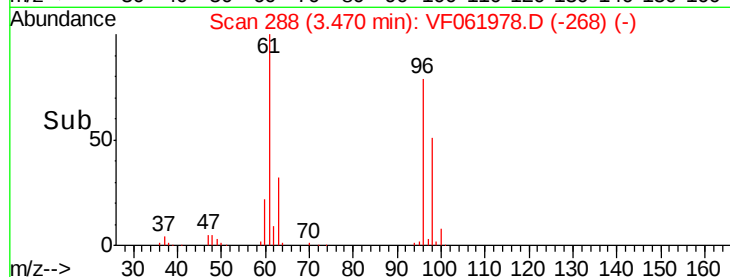
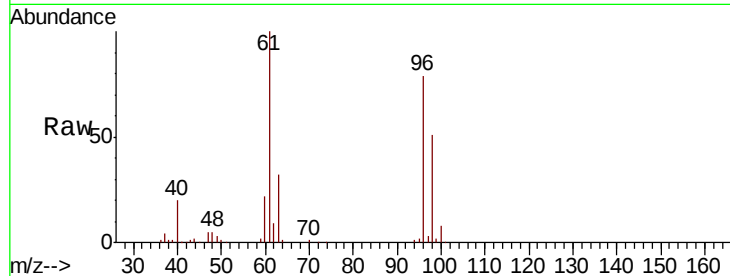
cis-1,2-Dichloroethene
Concen: 48.908 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.2	0.0	246.6
98	64.7	0.0	129.2

Manual Integrations
APPROVED

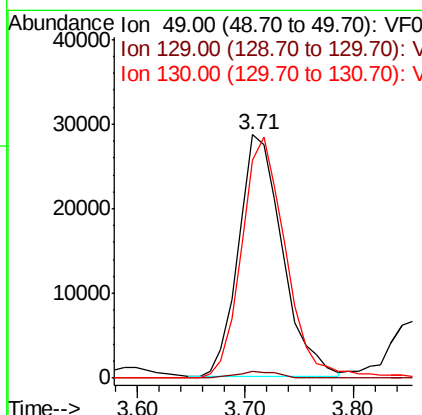
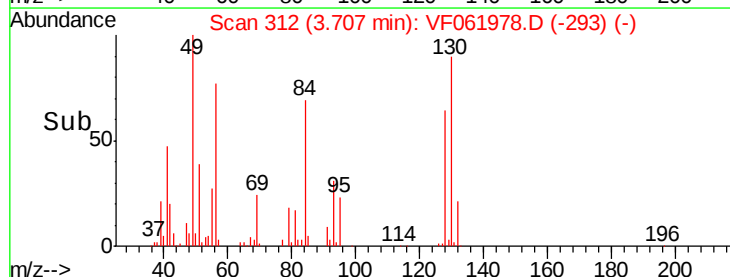
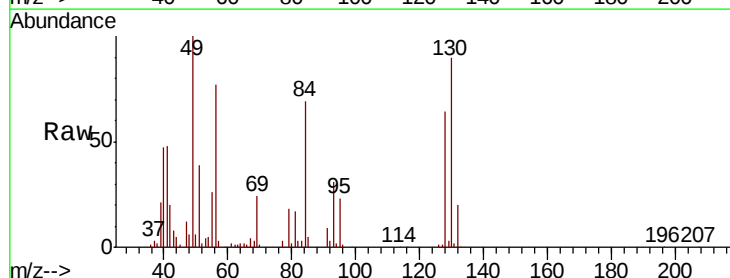
MMDadoda
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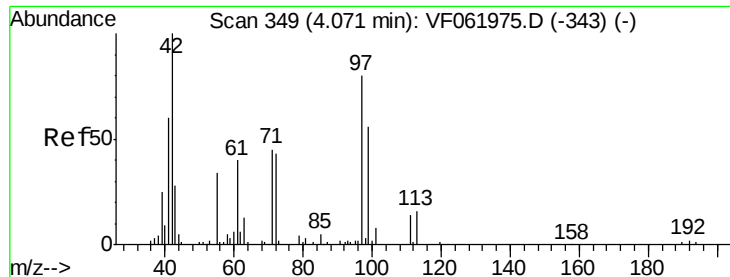


#28

Bromochloromethane
Concen: 48.399 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.8
130	89.6	73.1	109.7





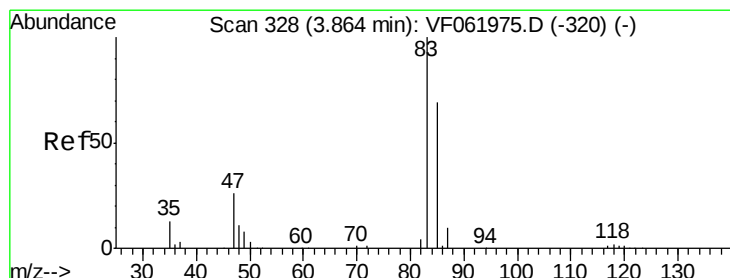
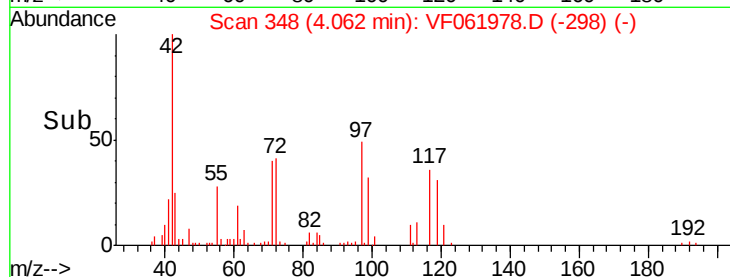
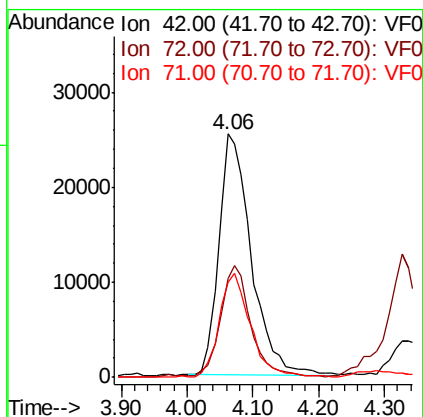
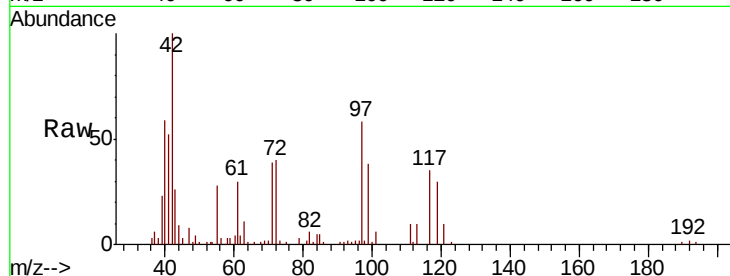
#29
Tetrahydrofuran
Concen: 232.945 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.0	51.0
71	42.0	34.2	51.4

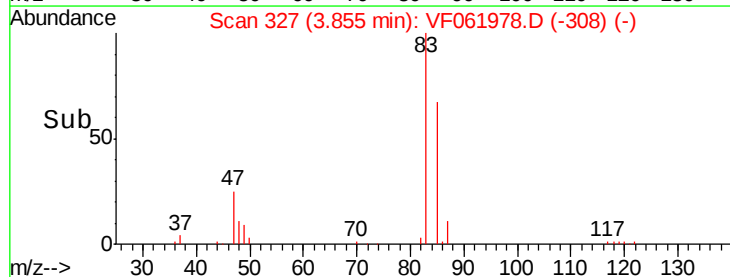
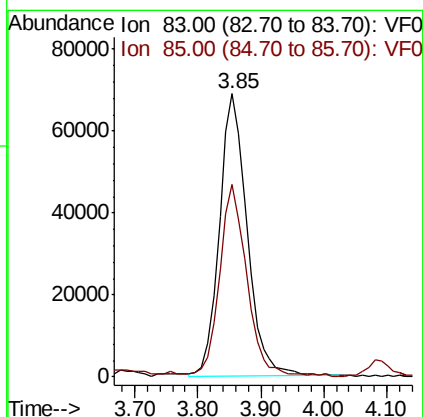
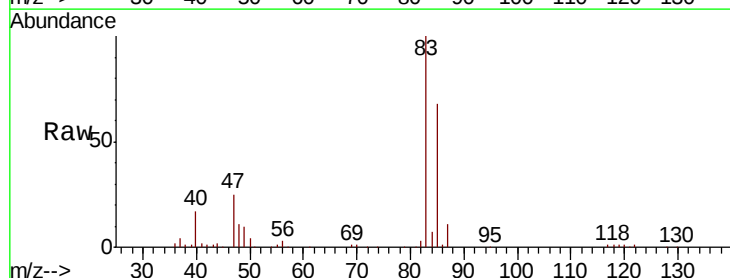
Manual Integrations
APPROVED

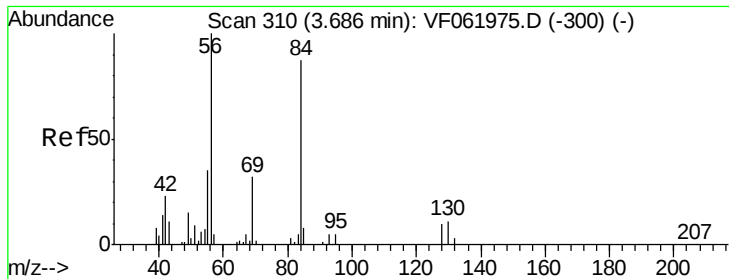
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#30
Chloroform
Concen: 45.932 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	55.5	83.3





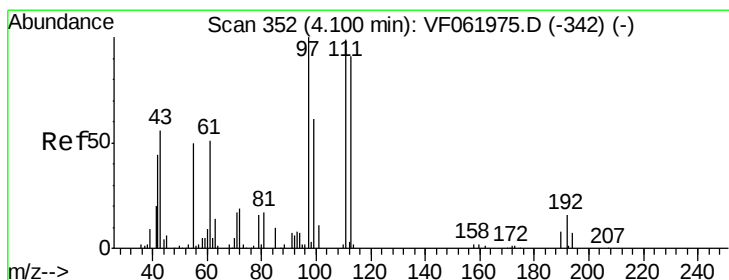
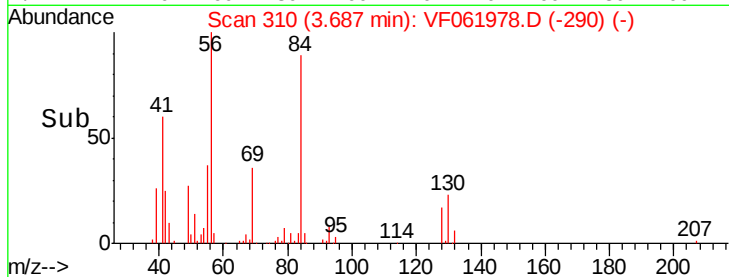
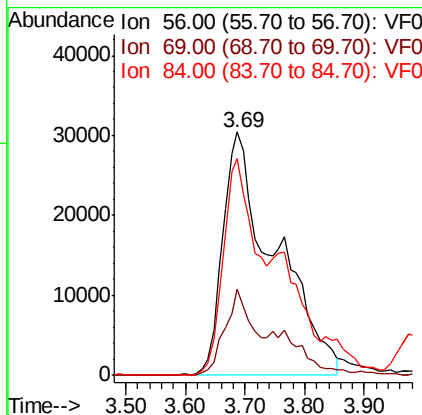
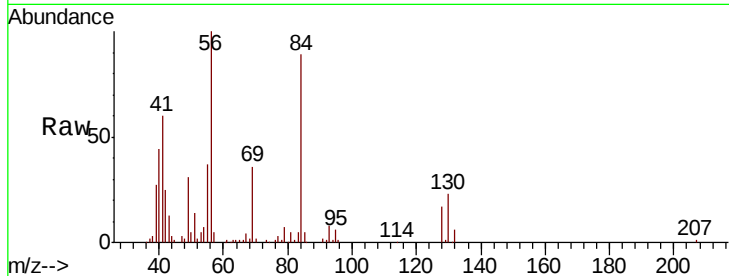
#31
Cyclohexane
Concen: 46.292 ug/l
RT: 3.69 min Scan# 310
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	25.8	38.8
84	89.0	69.5	104.3

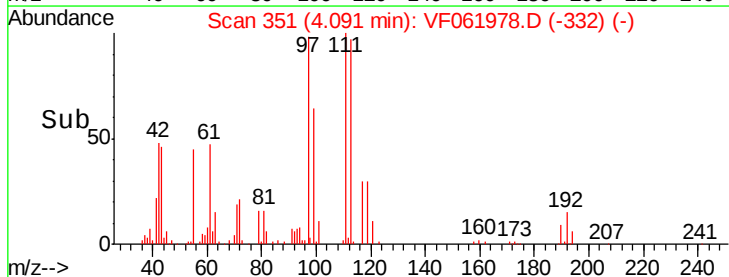
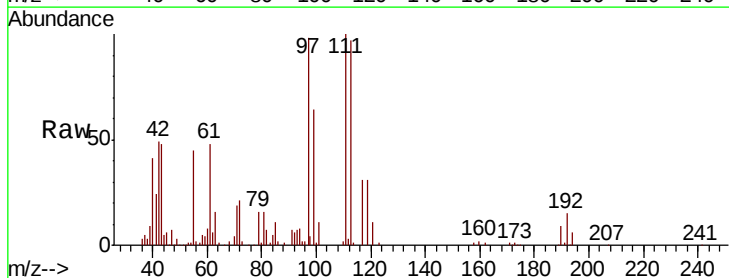
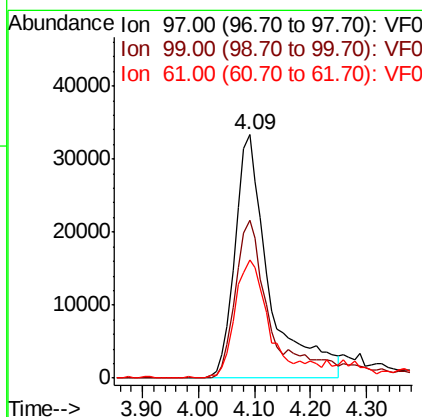
Manual Integrations
APPROVED

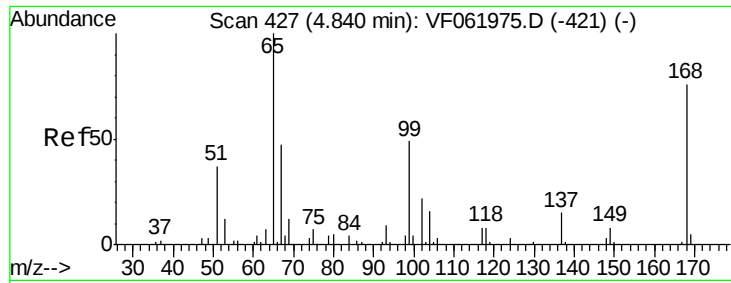
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.029 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	49.0	73.4
61	48.6	41.4	62.0





#33

1,2-Dichloroethane-d4

Concen: 52.181 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Tot Ion: 65 Resp: 100601

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.4

Instrument :

MSVOA_F

ClientSampleId :

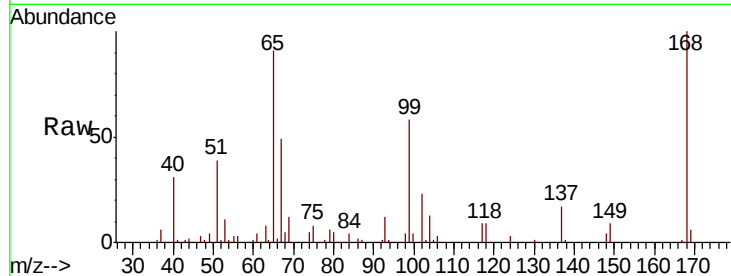
ICVVF031619

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.84

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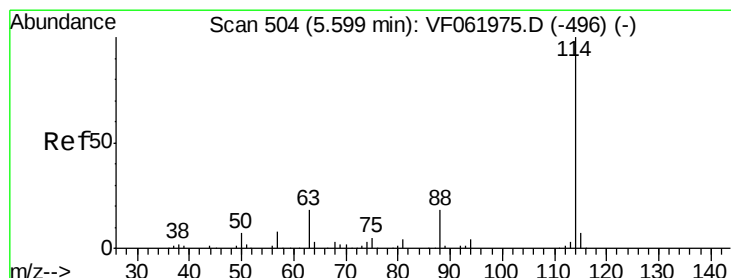
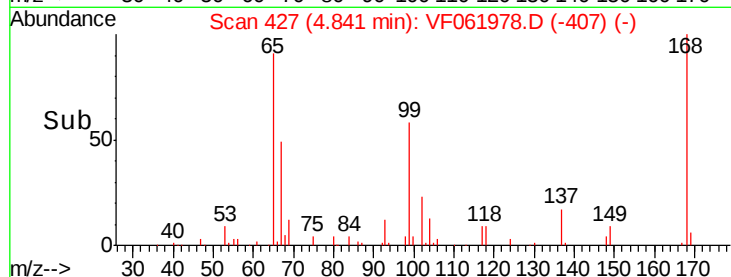
4.84

4.84

4.84

4.84

4.84



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

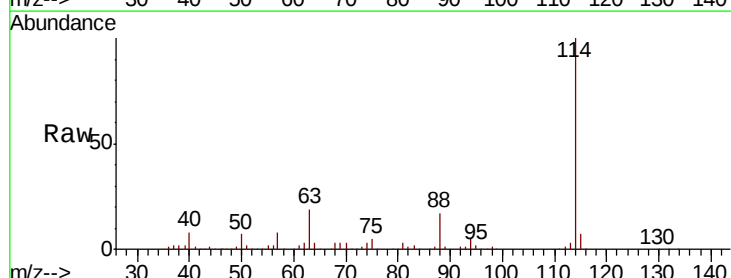
Tgt Ion: 114 Resp: 403415

Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.4

88 17.2 0.0 36.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.59

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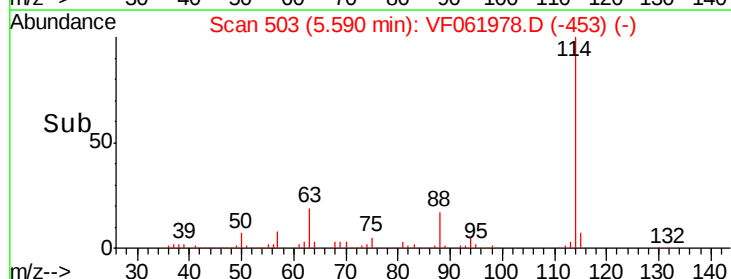
5.59

5.59

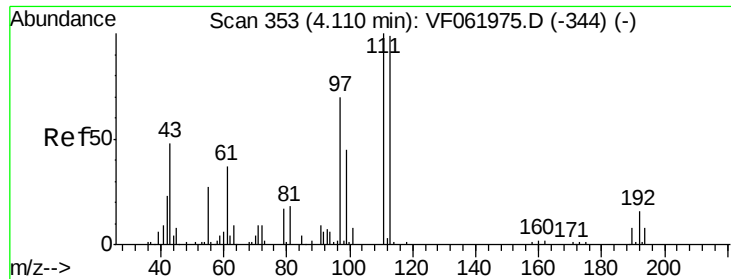
5.59

5.59

5.59



Time-->



#35

Dibromofluoromethane

Concen: 52.331 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

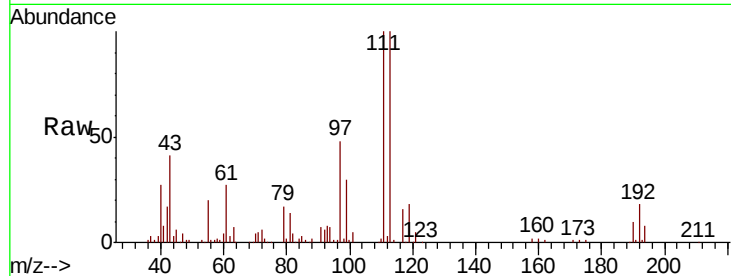
ClientSampleId :

ICVVF031619

Tot Ion:	113	Resp:	141765
Ion Ratio	Lower	Upper	
113	100		
111	99.8	80.8	121.2
192	18.2	13.0	19.6

Manual Integrations
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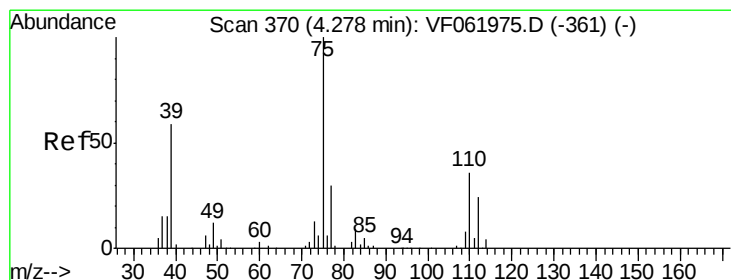
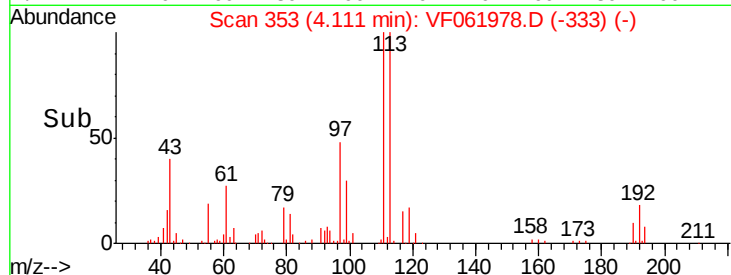
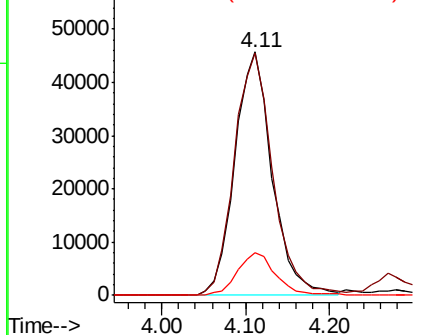


Abundance

Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 47.127 ug/l

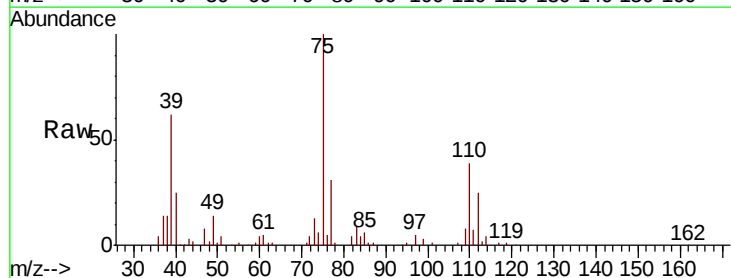
RT: 4.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Tgt Ion:	75	Resp:	171684
Ion Ratio	Lower	Upper	
75	100		
110	39.0	17.8	53.3
77	31.0	24.2	36.2

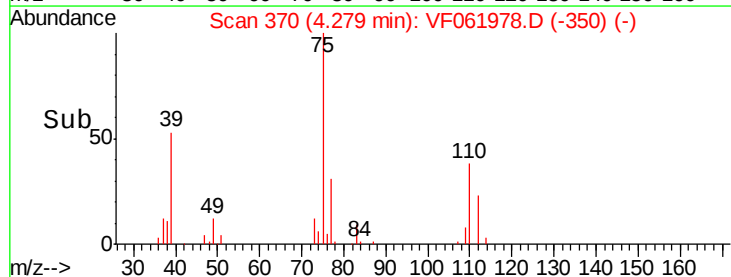
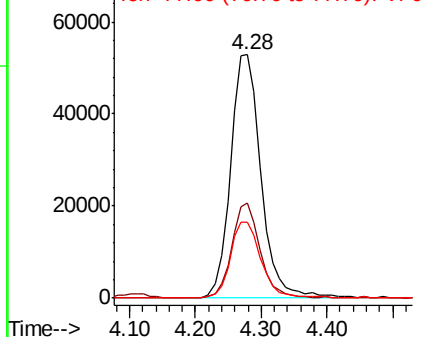


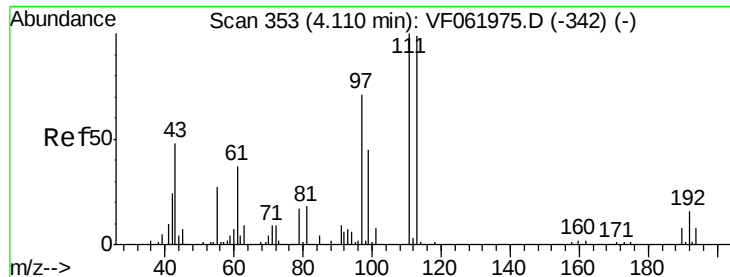
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





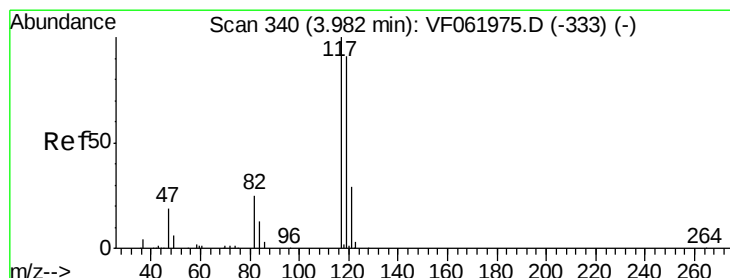
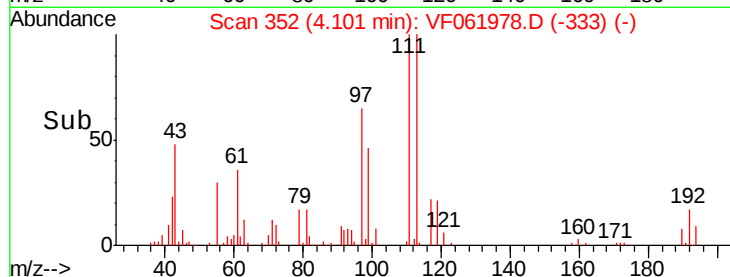
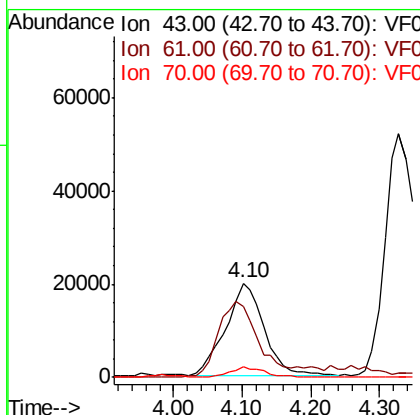
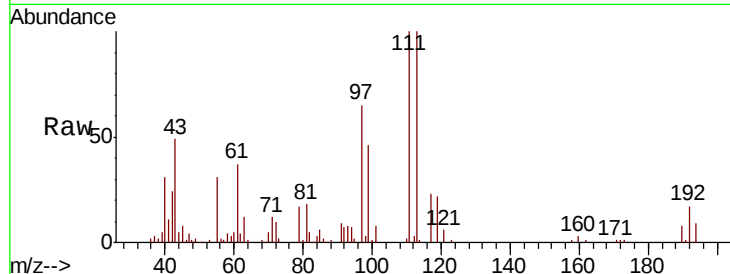
#37
Ethyl Acetate
Concen: 46.971 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tot Ion:	43	Resp:	76833
Ion	Ratio	Lower	Upper
43	100		
61	75.1	59.8	89.6
70	10.7	7.8	11.8

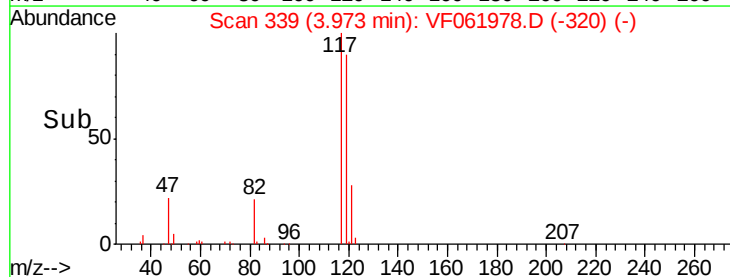
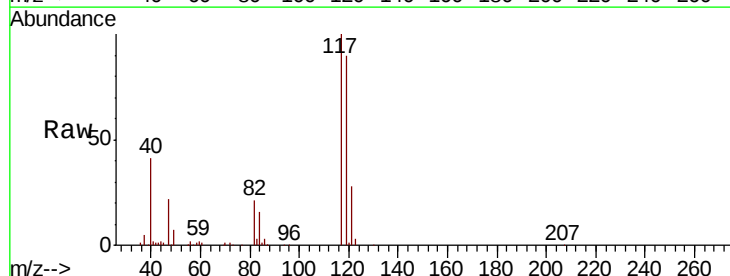
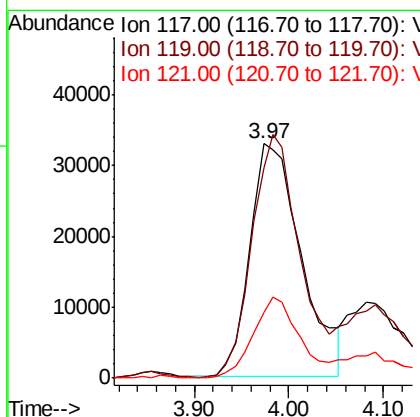
Manual Integrations
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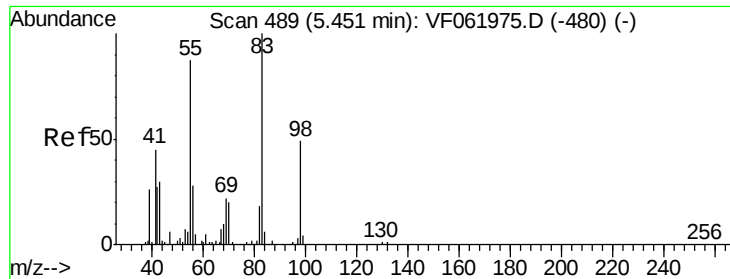
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.062 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion:	117	Resp:	125299
Ion	Ratio	Lower	Upper
117	100		
119	89.7	73.0	109.4
121	28.0	23.0	34.6





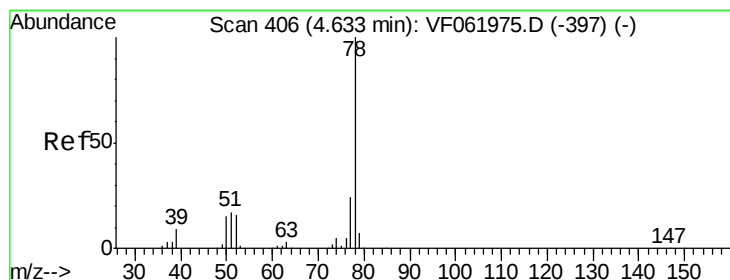
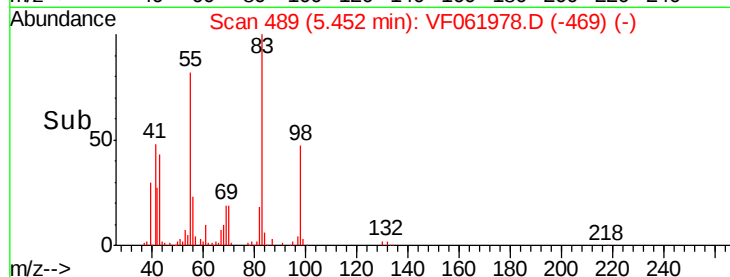
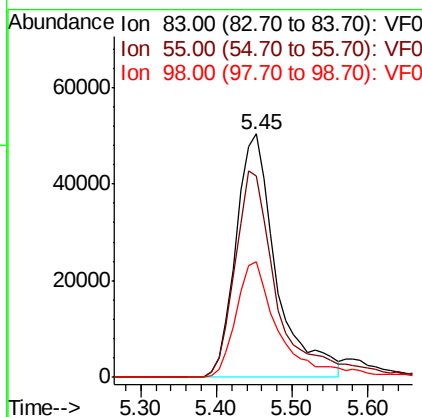
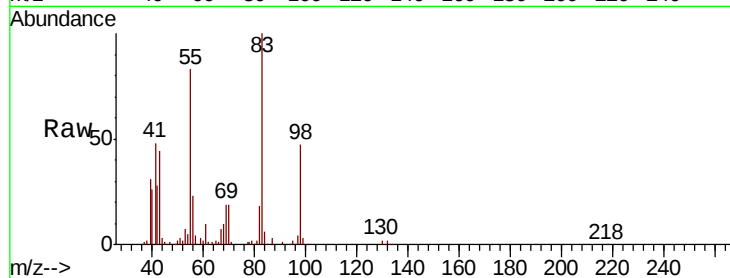
#39
Methvlcvclohexane
Concen: 43.639 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.7	69.7	104.5
98	47.4	39.4	59.0

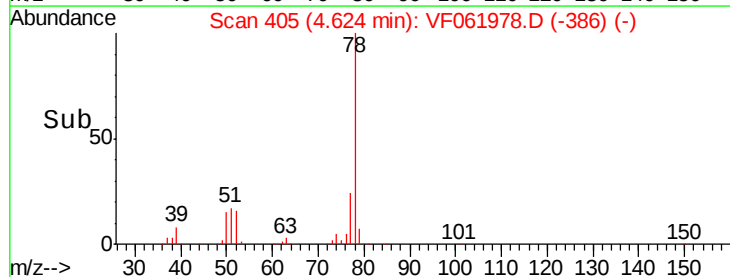
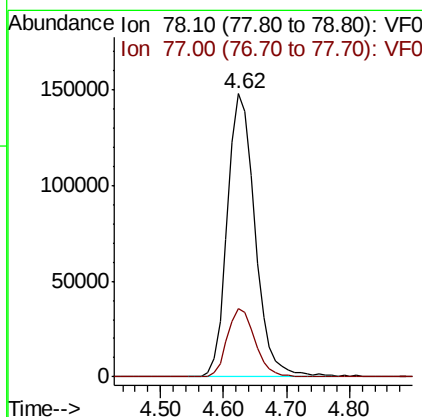
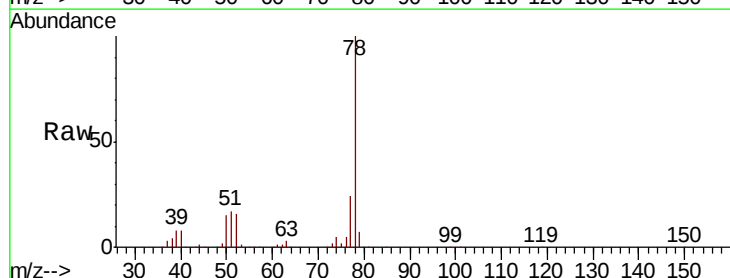
Manual Integrations
APPROVED

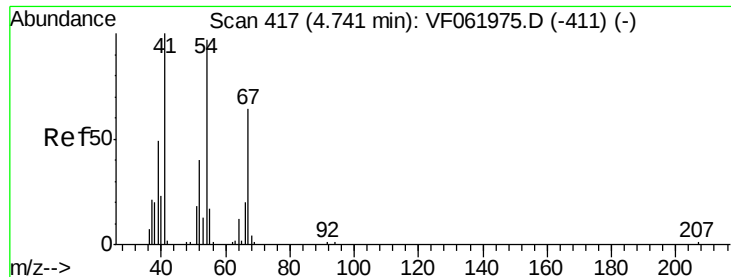
MMDadoda
3/22/2019 6:19:16 PM



#40
Benzene
Concen: 46.598 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





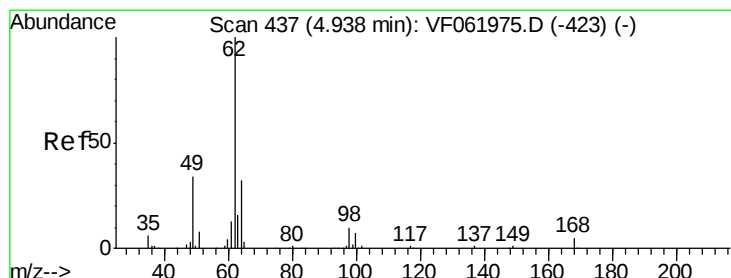
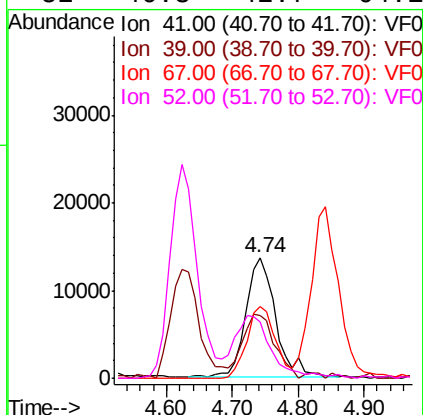
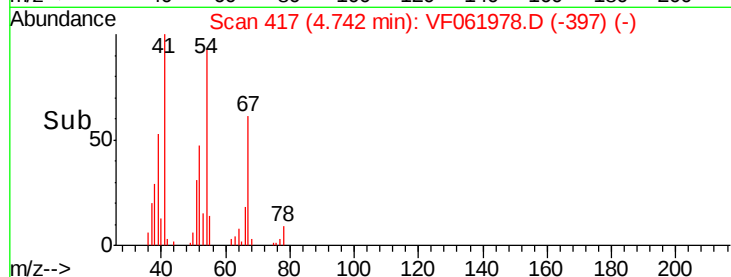
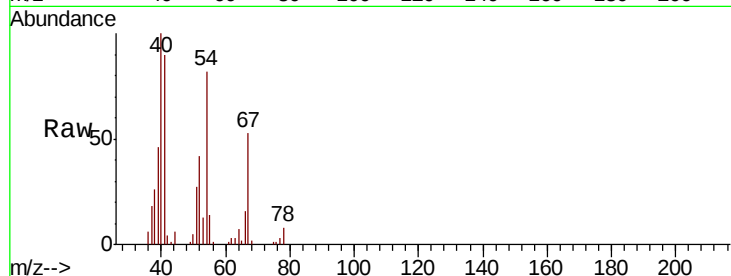
#41
Methacrylonitrile
Concen: 49.106 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100			
39	39	51.6	46.2	69.4	
67	67	59.4	49.8	74.8	
52	52	46.3	42.7	64.1	

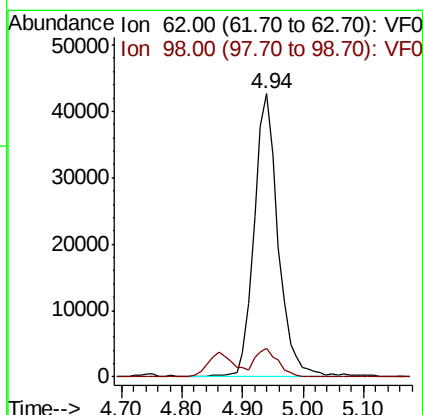
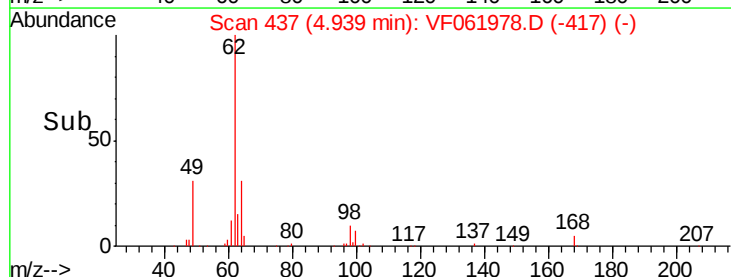
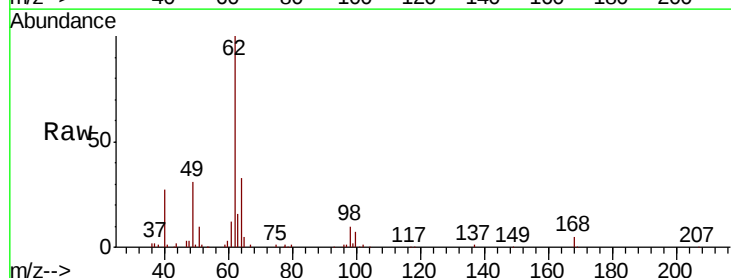
Manual Integrations
APPROVED

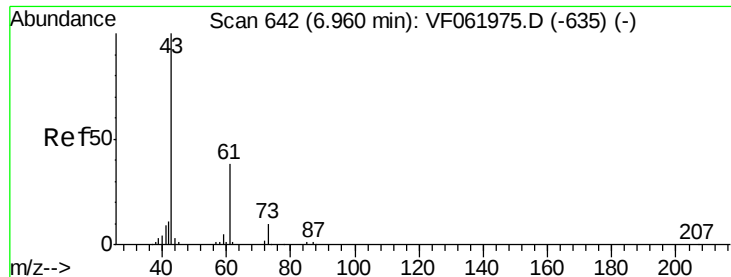
MMDadoda
3/22/2019 6:19:16 PM



#42
1,2-Dichloroethane
Concen: 49.044 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100			
98	98	10.0	0.0	19.8	





#43

Isopropyl Acetate

Concen: 50.077 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

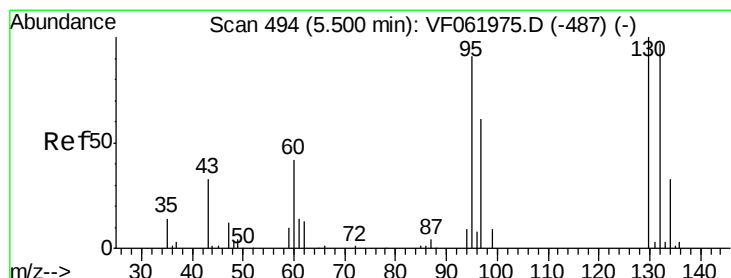
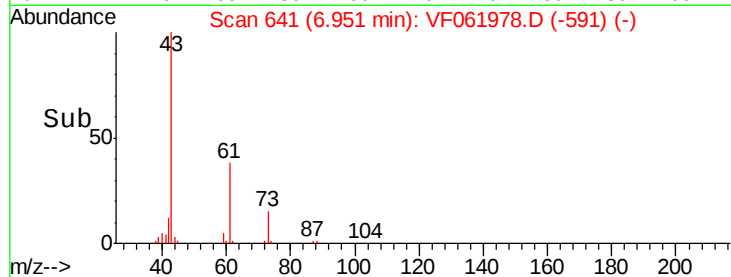
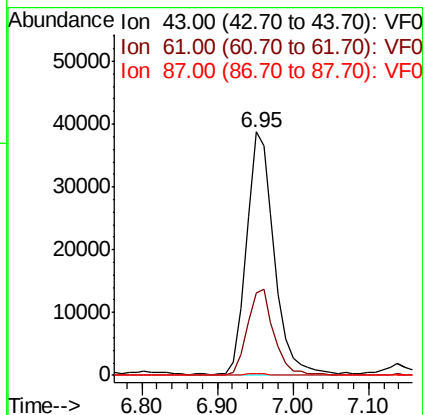
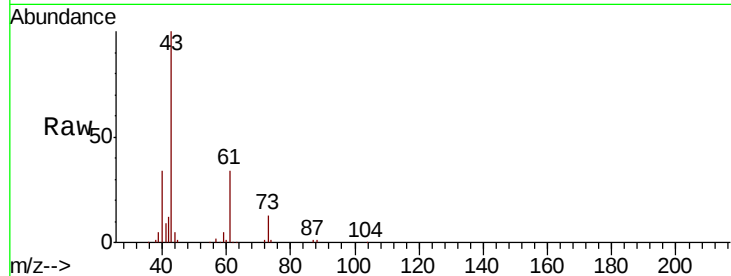
ClientSampleId :

ICVVF031619

Tot Ion:	43	Resp:	96917
Ion Ratio	Lower	Upper	
43	100		
61	33.8	30.1	45.1
87	0.7	0.4	0.6

Manual Integrations
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3/22/2019 6:19:16 PM



#44

Trichloroethene

Concen: 46.203 ug/l

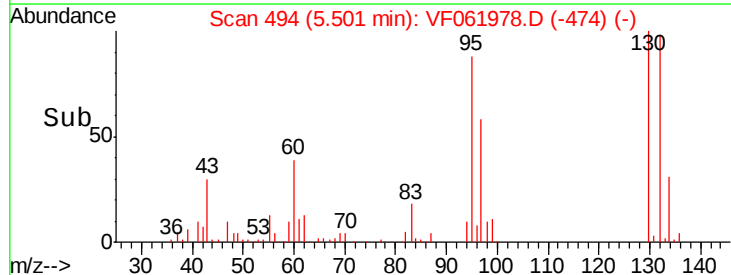
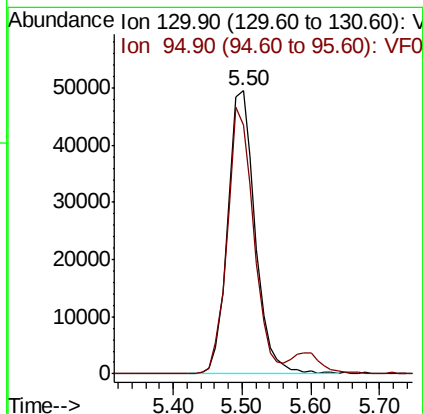
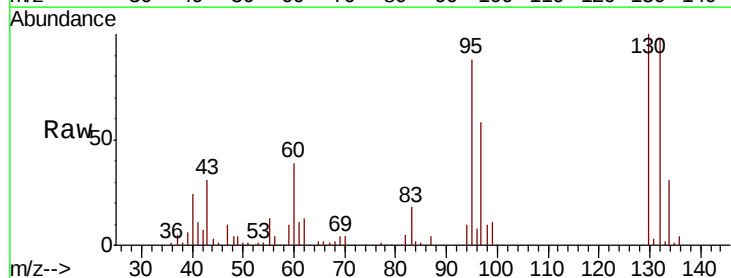
RT: 5.50 min Scan# 494

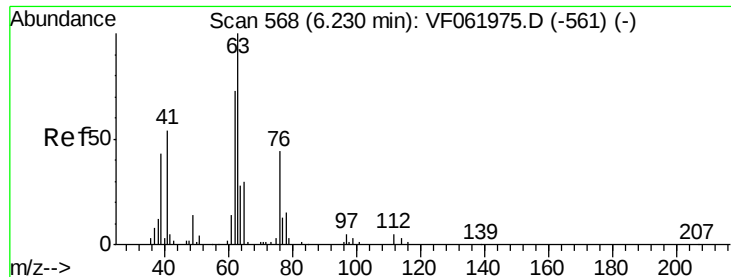
Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Tgt Ion:	130	Resp:	136628
Ion Ratio	Lower	Upper	
130	100		
95	87.9	0.0	181.4





#45

1,2-Dichloropropane

Concen: 47.405 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

Tot Ion: 63 Resp: 108297

Ion Ratio Lower Upper

63 100

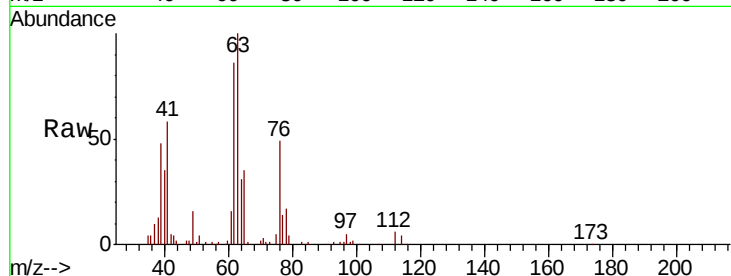
65 34.9 23.7 35.5

Manual Integrations

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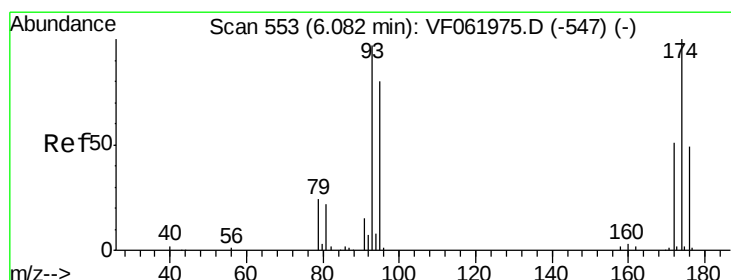
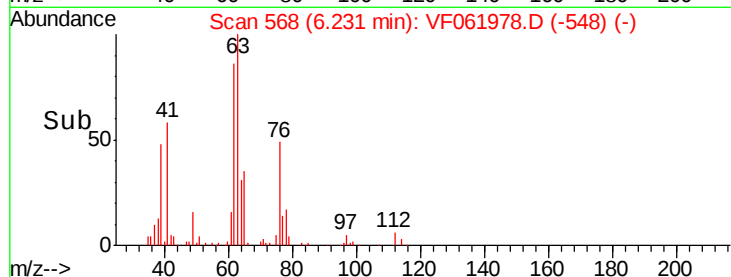
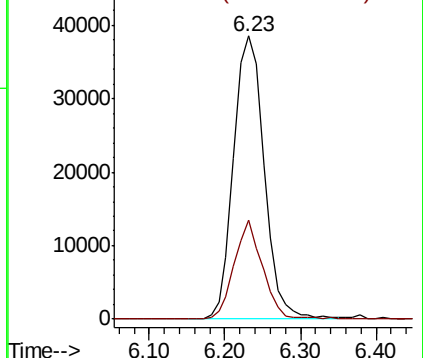
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 50.195 ug/l

RT: 6.08 min Scan# 553

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

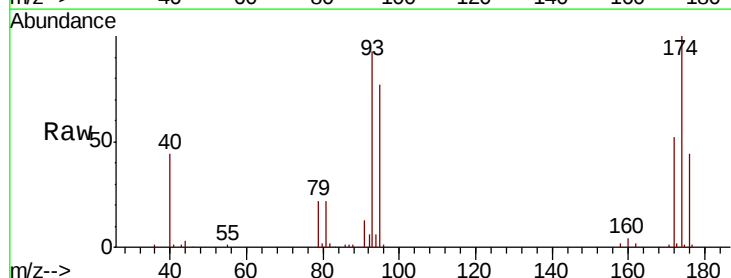
Tgt Ion: 93 Resp: 68215

Ion Ratio Lower Upper

93 100

95 82.8 65.7 98.5

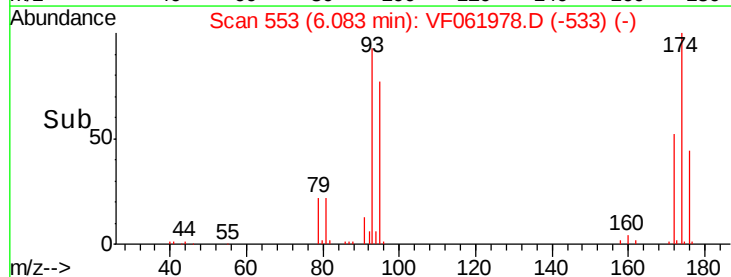
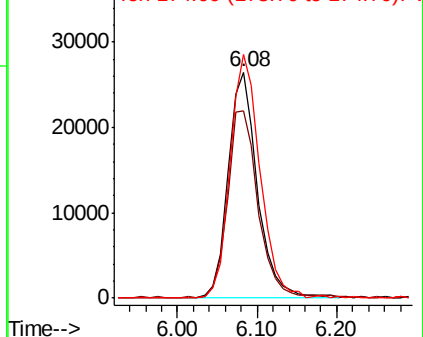
174 107.6 82.2 123.4

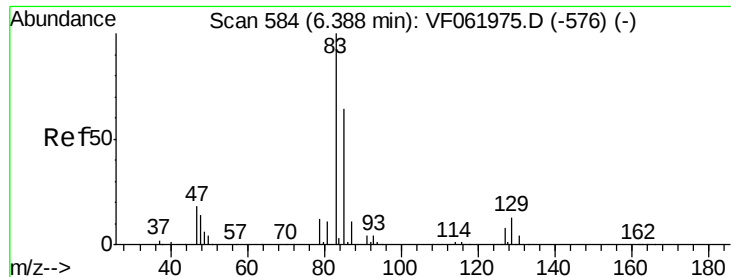


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 49.026 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

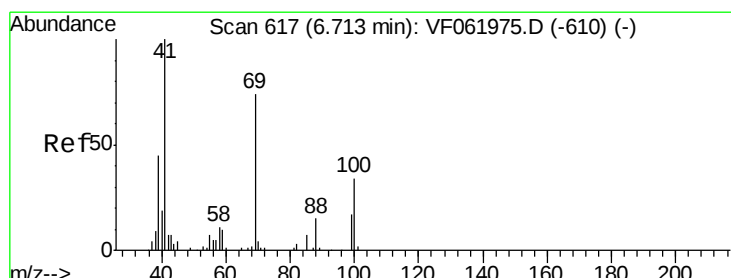
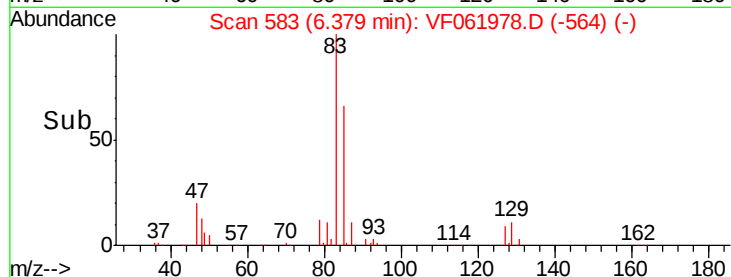
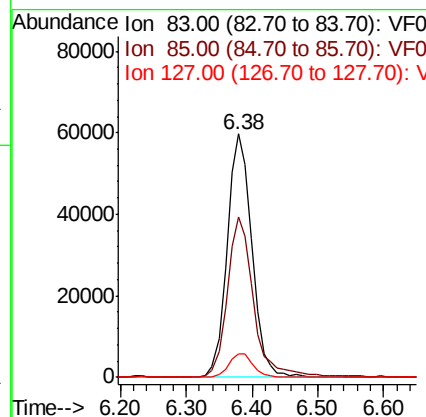
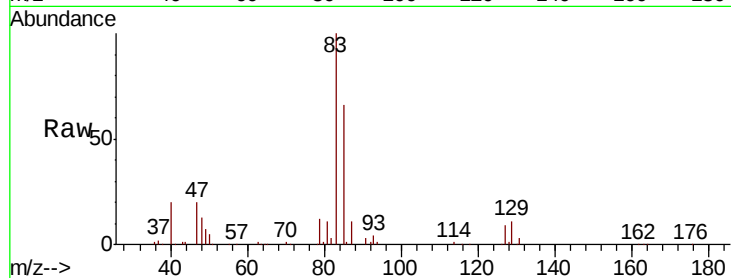
ClientSampleId :

ICVVF031619

Tot Ion:	83	Resp:	157078
Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.2
127	9.5	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.671 ug/l

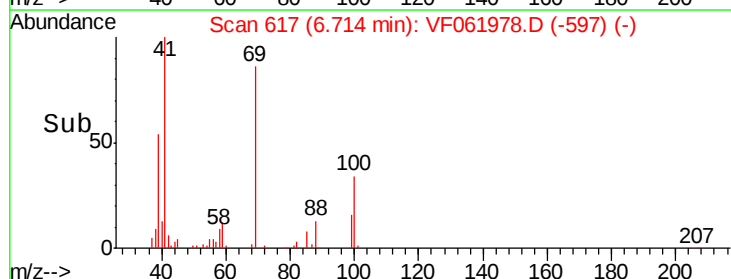
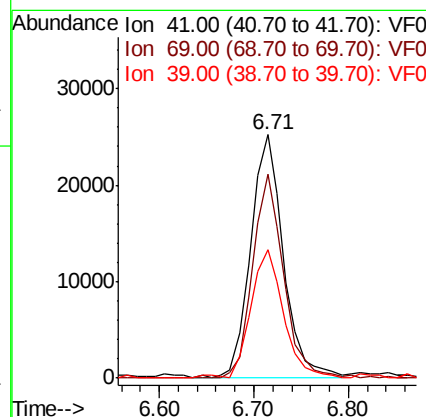
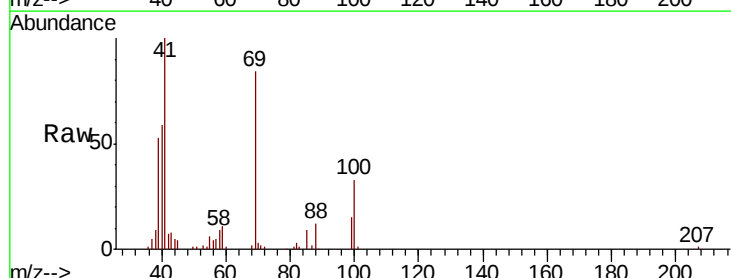
RT: 6.71 min Scan# 617

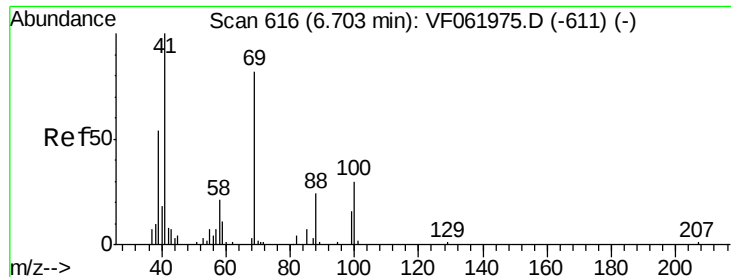
Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Tgt Ion:	41	Resp:	60878
Ion	Ratio	Lower	Upper
41	100		
69	83.5	59.0	88.6
39	52.6	35.6	53.4





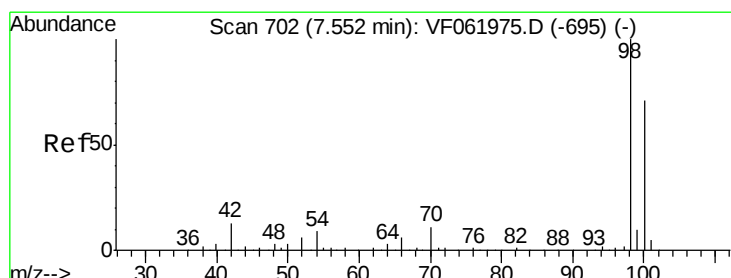
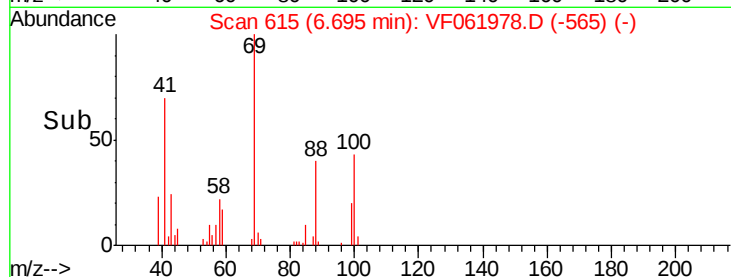
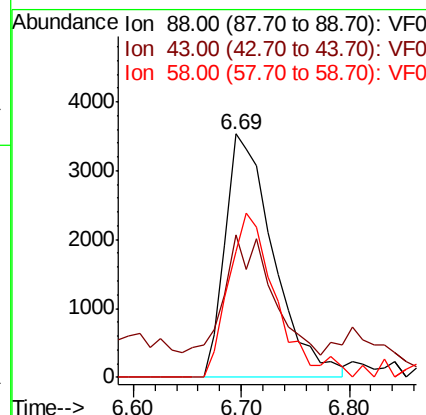
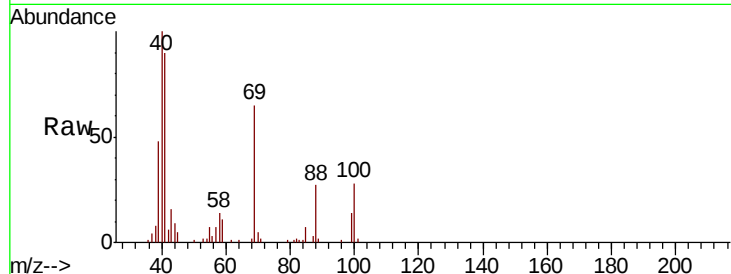
#49
1,4-Dioxane
Concen: 987.597 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	58.4	31.2	46.8#	
58	51.6	69.9	104.9#	

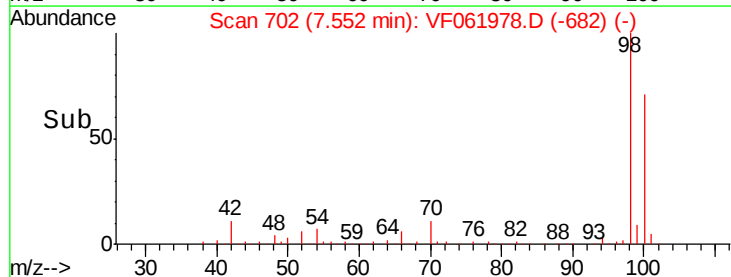
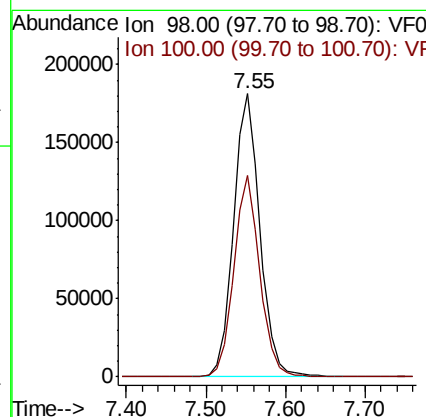
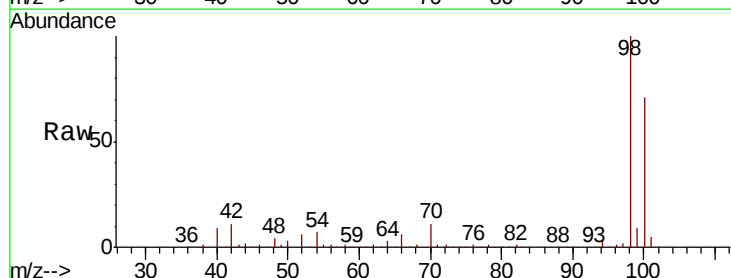
Manual Integrations
APPROVED

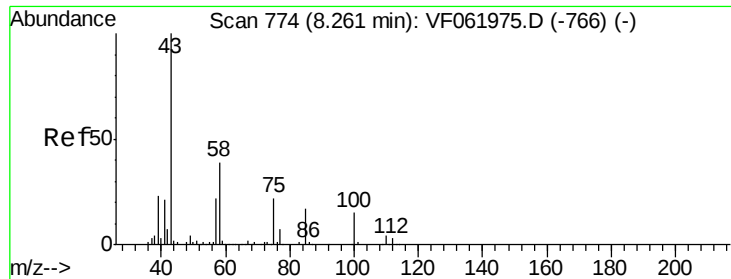
MMDadoda
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#50
Toluene-d8
Concen: 53.076 ug/l
RT: 7.55 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	71.3	56.8	85.2	





#51

4-Methyl-2-Pentanone

Concen: 249.041 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

Tot Ion: 43 Resp: 342263

Ion Ratio Lower Upper

43 100

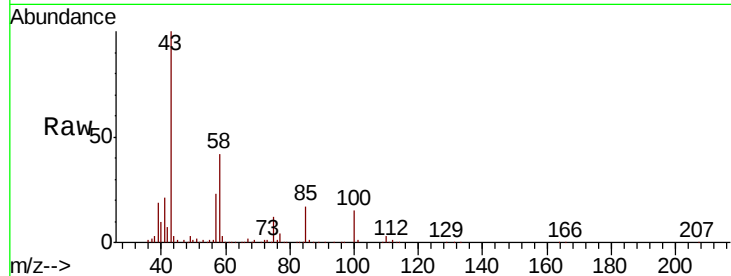
58 42.3 31.1 46.7

Manual Integrations

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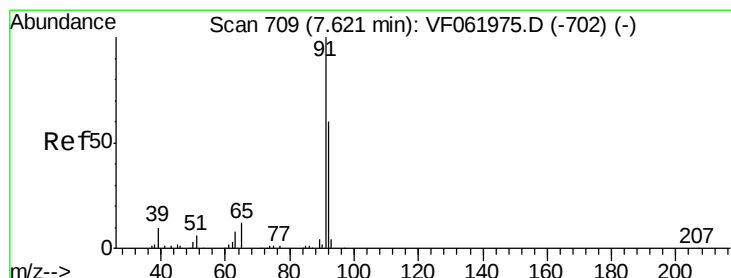
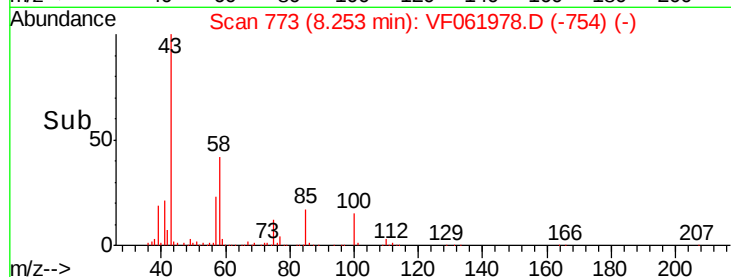
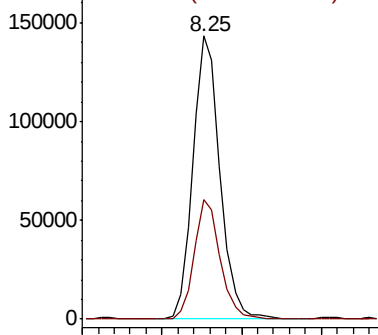
MMDadoda

3/22/2019 6:19:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 47.589 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061978.D

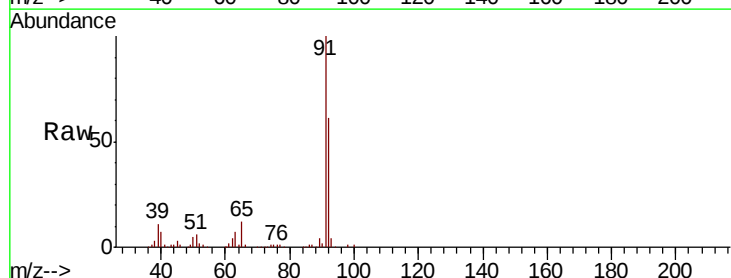
Acq: 16 Mar 2019 15:54

Tgt Ion: 92 Resp: 280682

Ion Ratio Lower Upper

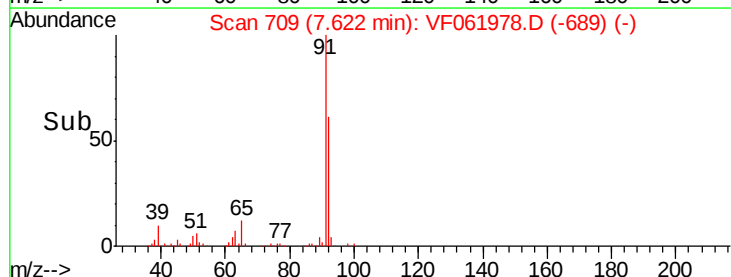
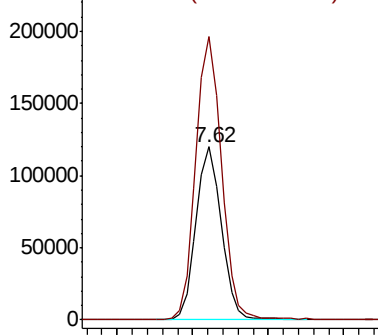
92 100

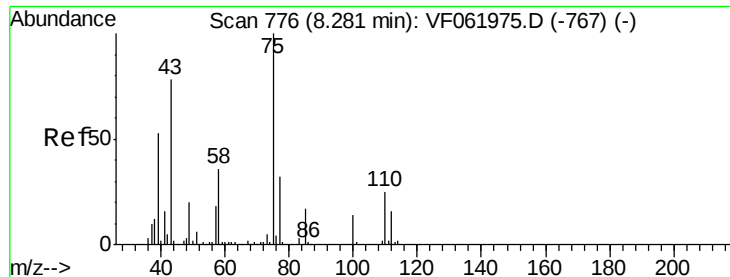
91 163.4 134.0 201.0



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: 50.427 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

Tot Ion: 75 Resp: 136402

Ion Ratio Lower Upper

75 100

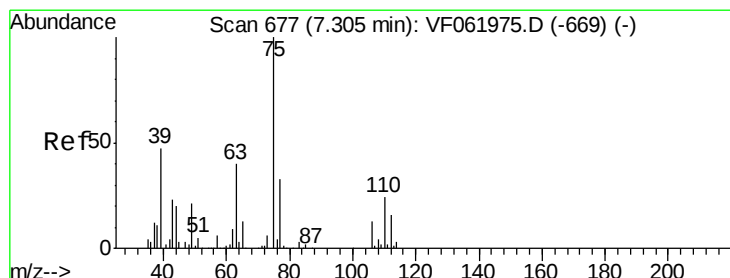
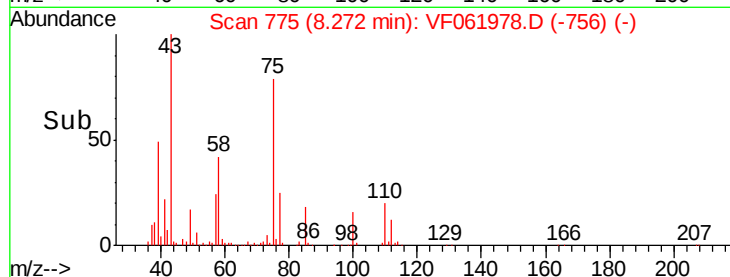
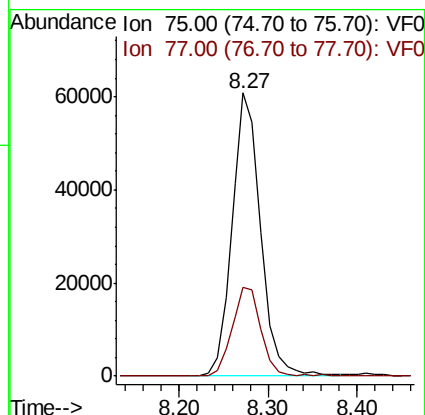
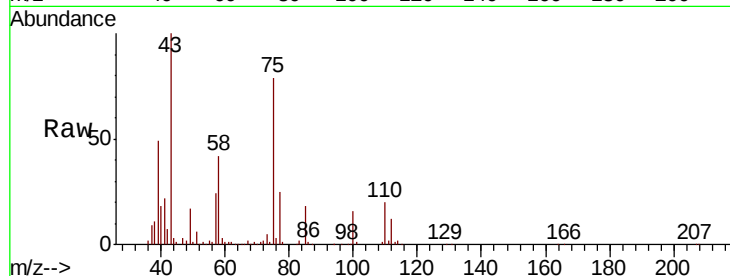
77 31.5 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 50.379 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

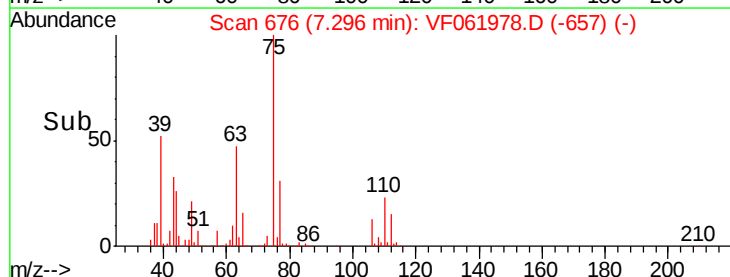
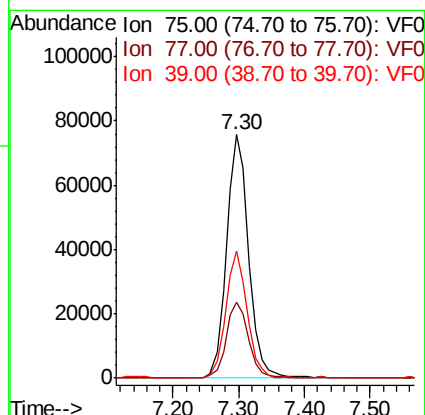
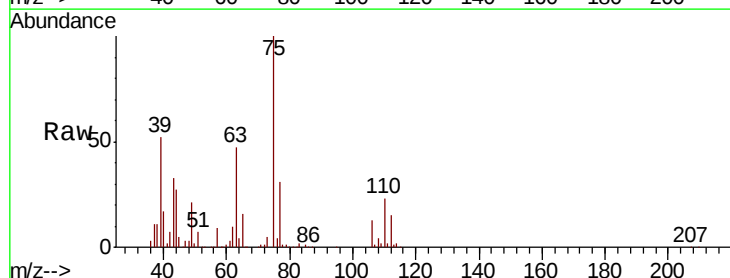
Tgt Ion: 75 Resp: 177806

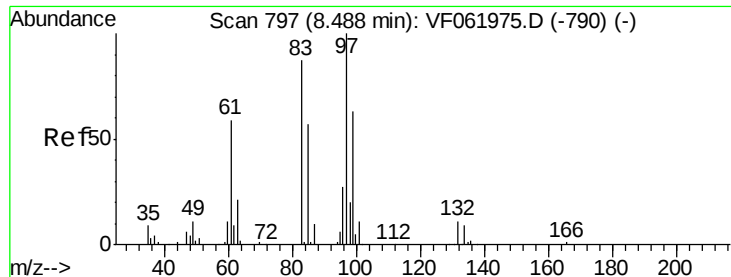
Ion Ratio Lower Upper

75 100

77 31.3 26.4 39.6

39 52.0 38.0 57.0





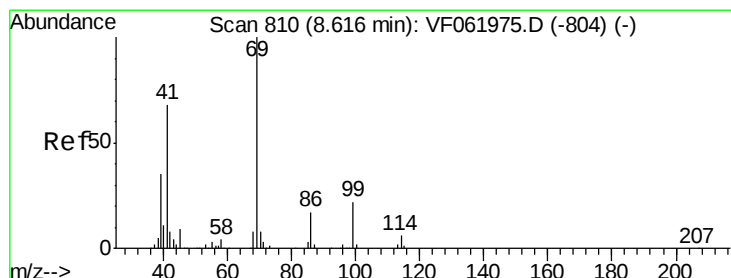
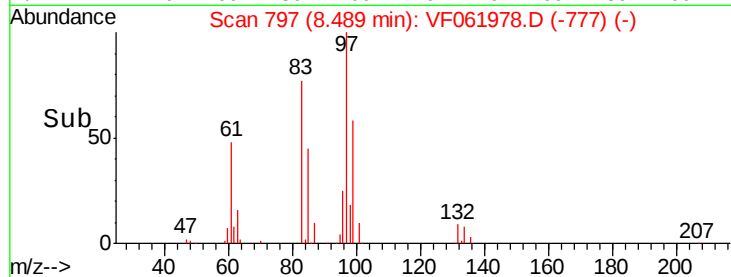
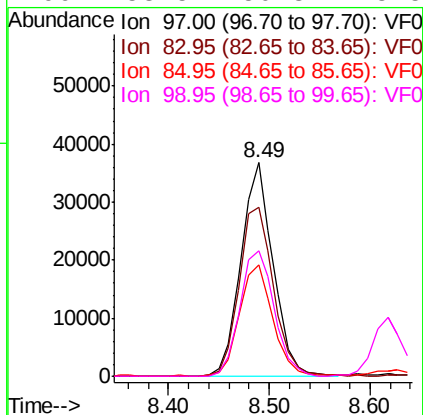
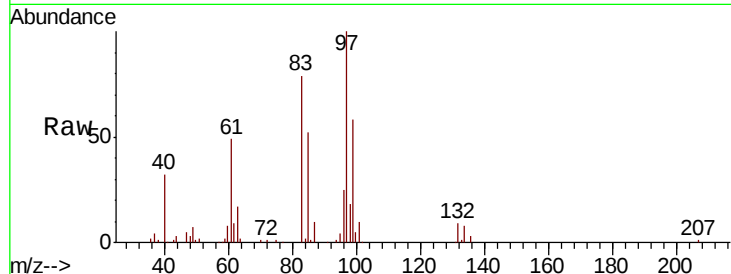
#55
 1,1,2-Trichloroethane
 Concen: 49.512 ug/l
 RT: 8.49 min Scan# 797
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF031619

Tot Ion:	97	Resp:	81504
Ion	Ratio	Lower	Upper
97	100		
83	78.8	69.7	104.5
85	52.0	45.8	68.6
99	58.5	50.3	75.5

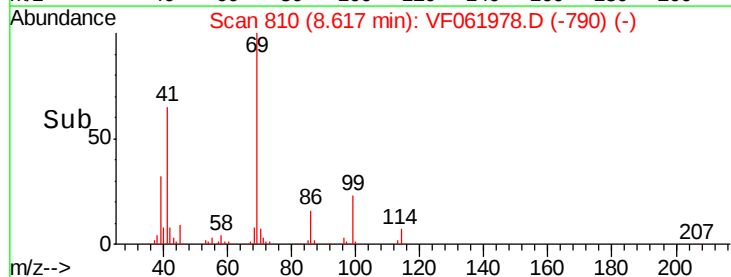
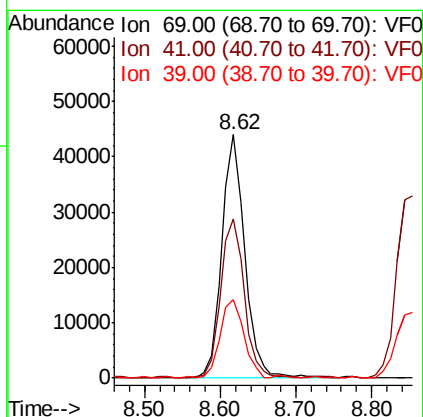
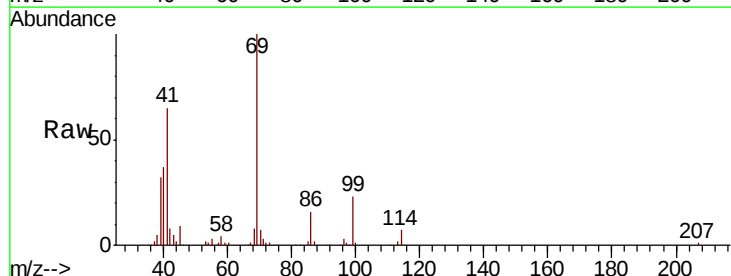
Manual Integrations
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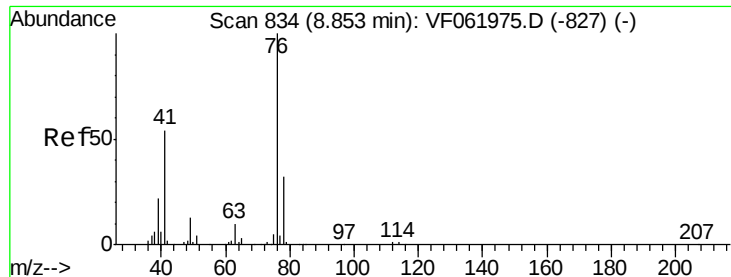
MMDadoda
 3/22/2019 6:19:16 PM



#56
 Ethyl methacrylate
 Concen: 49.853 ug/l
 RT: 8.62 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Tgt Ion:	69	Resp:	93290
Ion	Ratio	Lower	Upper
69	100		
41	65.3	54.7	82.1
39	32.5	27.9	41.9





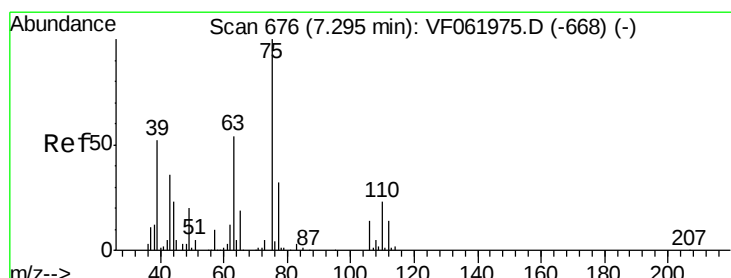
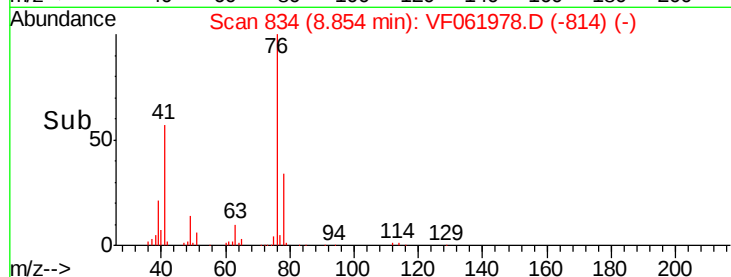
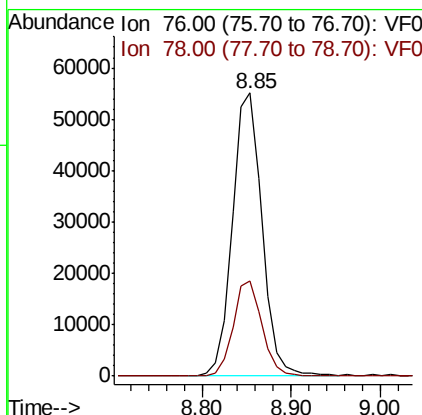
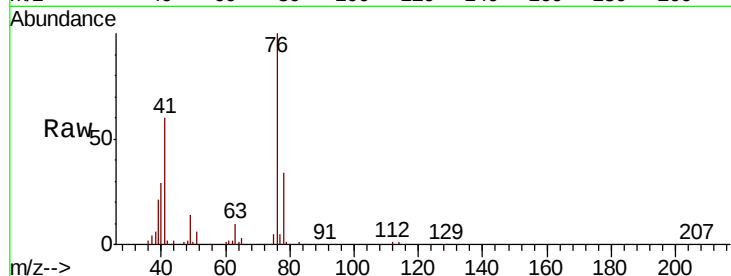
#57
 1,3-Dichloropropane
 Concen: 46.702 ug/l
 RT: 8.85 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF031619

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.4	38.2

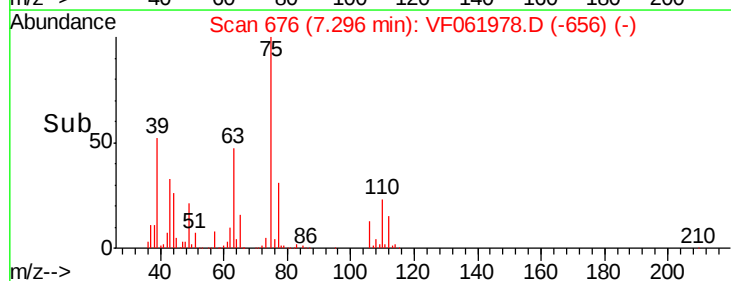
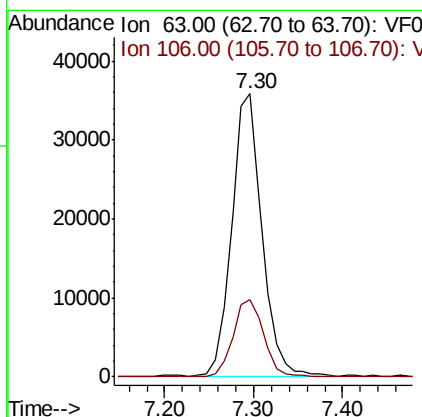
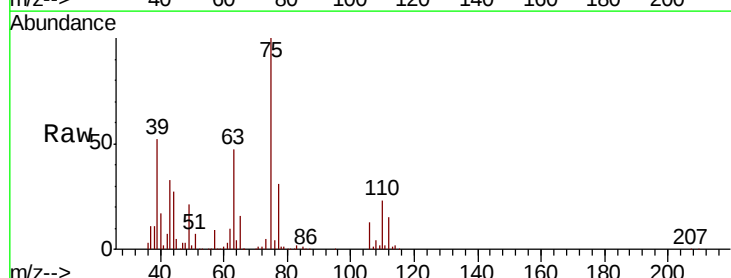
Manual Integrations
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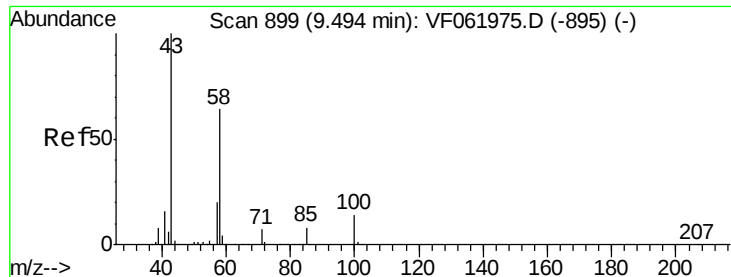
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 247.689 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	20.9	31.3





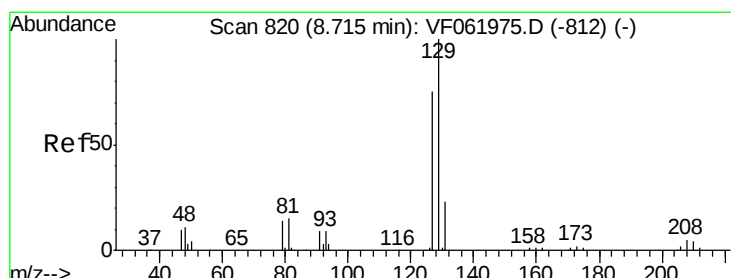
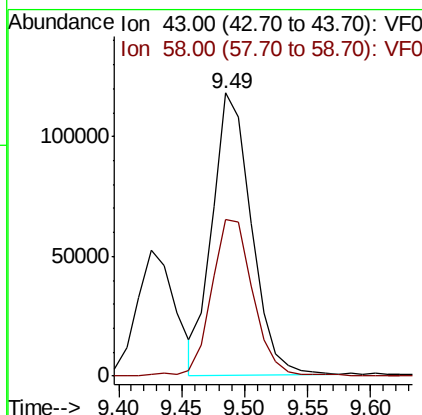
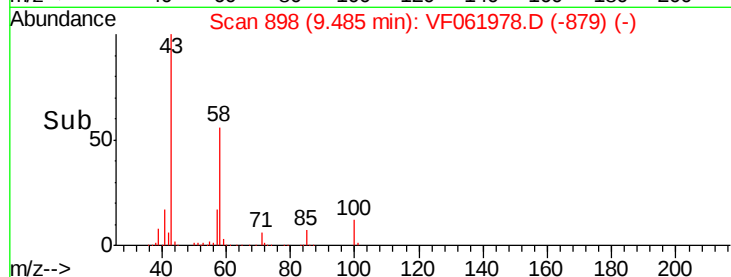
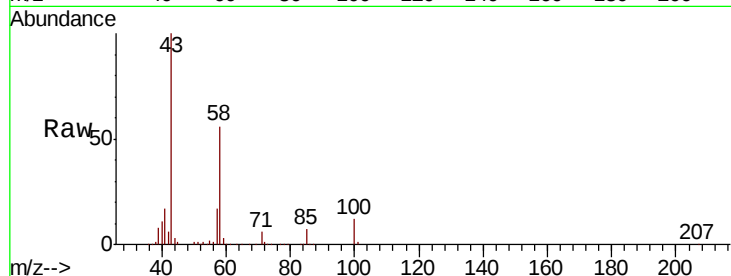
#59
2-Hexanone
Concen: 253.547 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tot Ion: 43 Resp: 252180
Ion Ratio Lower Upper
43 100
58 55.6 28.4 85.2

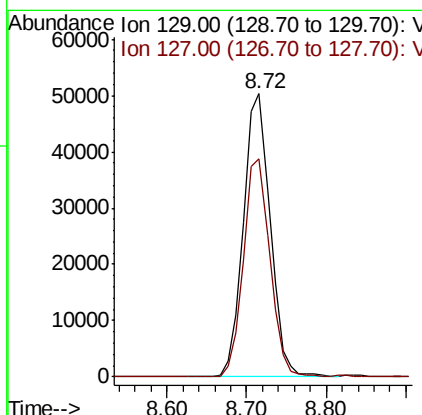
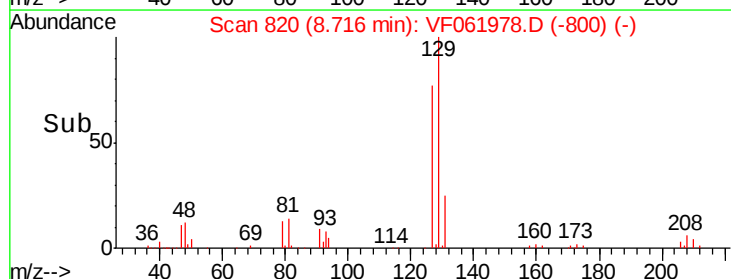
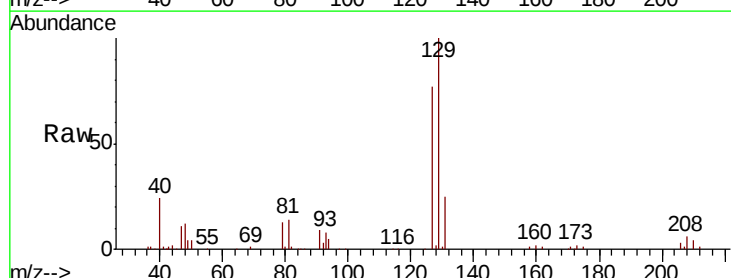
Manual Integrations
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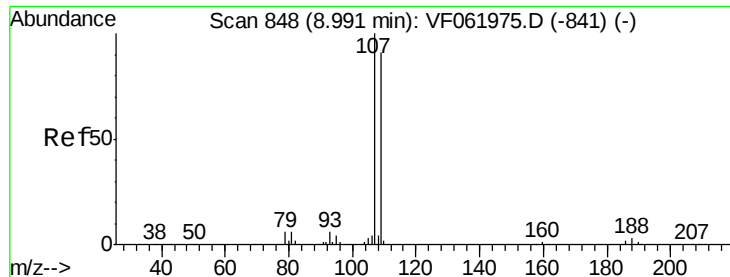
MMDadoda
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#60
Dibromochloromethane
Concen: 51.178 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion: 129 Resp: 116957
Ion Ratio Lower Upper
129 100
127 77.0 37.3 111.8





#61

1,2-Dibromoethane

Concen: 50.287 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

Tot Ion:107 Resp: 88795

Ion Ratio Lower Upper

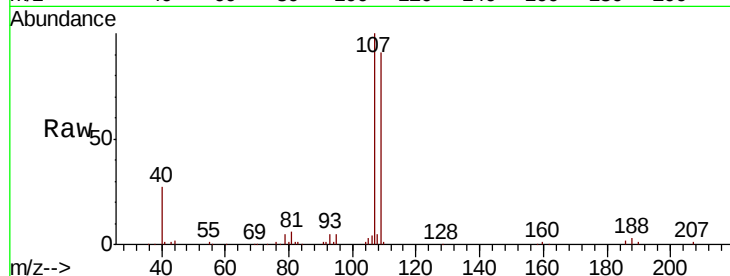
107 100

109 90.7 72.8 109.2

Manual Integrations
APPROVED

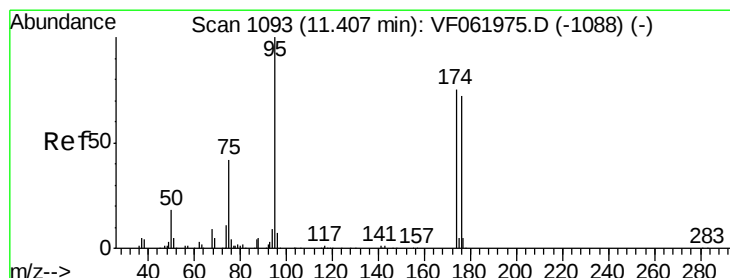
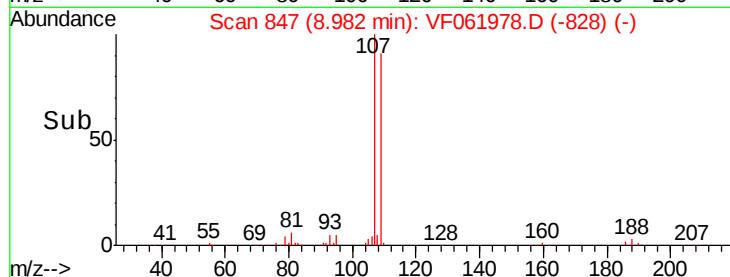
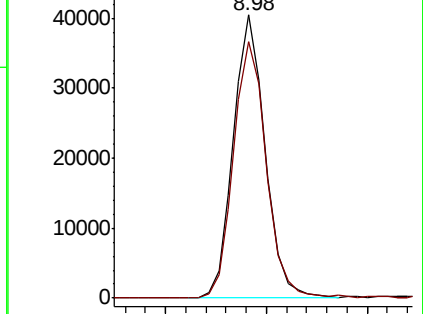
MMDadoda

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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: 52.319 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

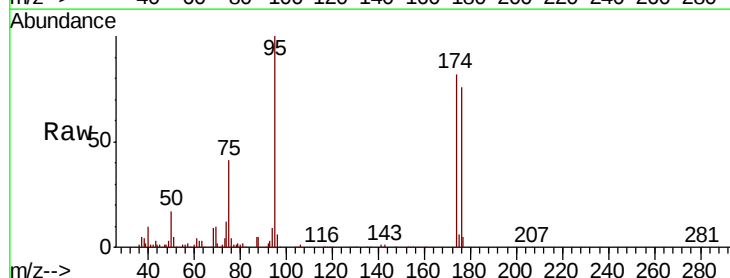
Tgt Ion: 95 Resp: 164595

Ion Ratio Lower Upper

95 100

174 82.1 0.0 149.4

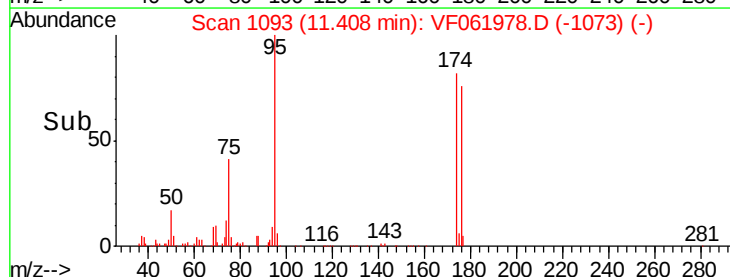
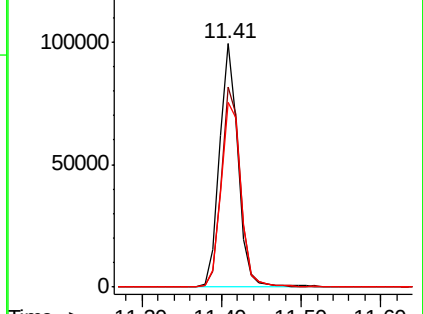
176 75.7 0.0 143.4

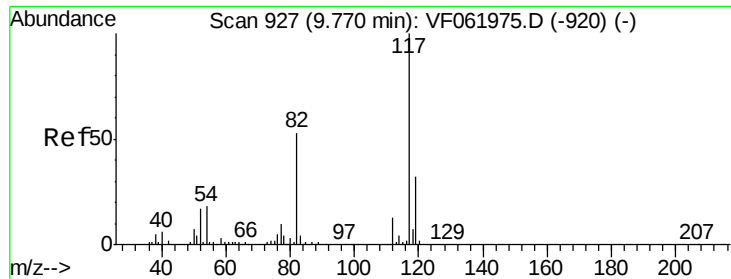


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





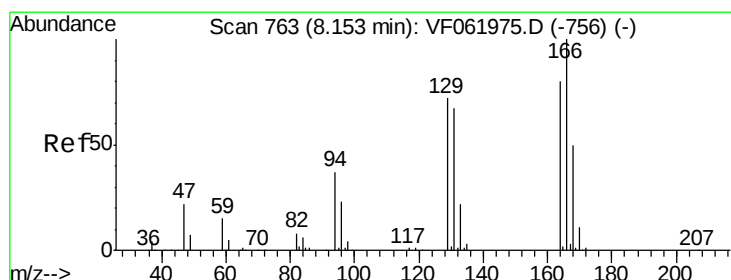
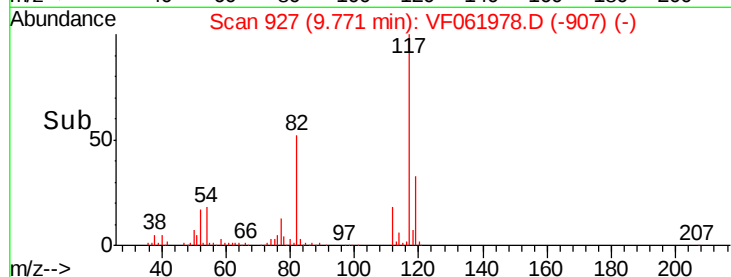
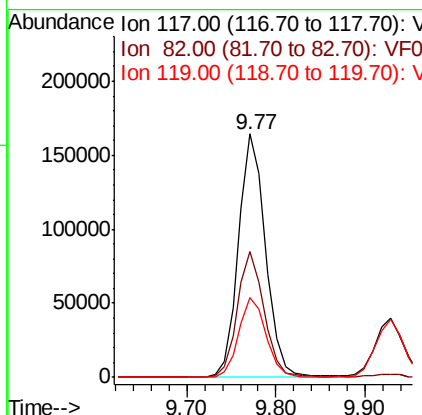
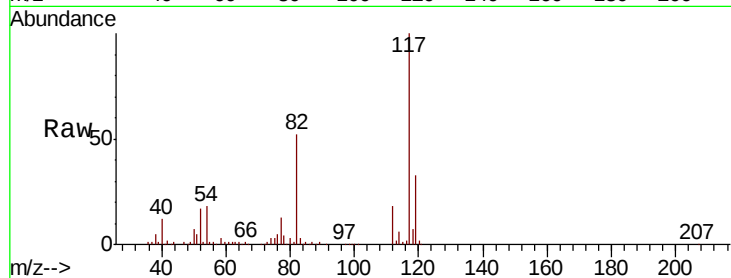
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.5	63.7
119	33.0	25.4	38.0

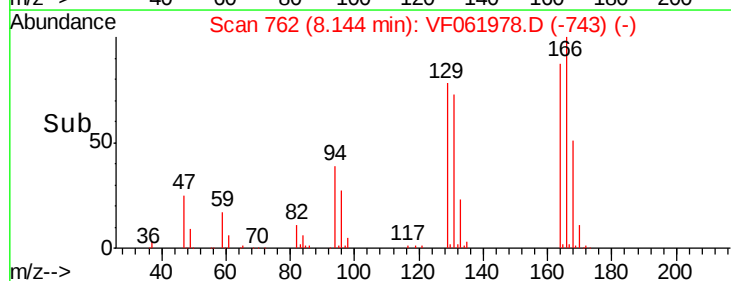
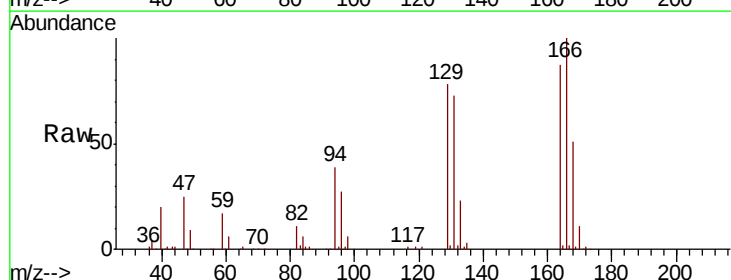
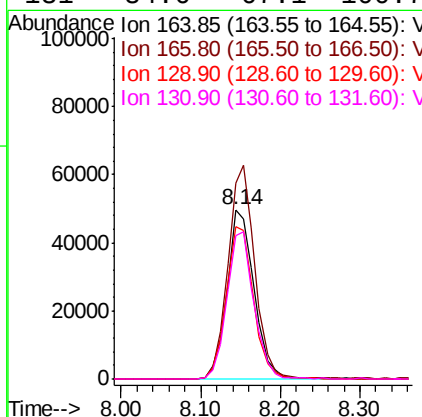
Manual Integrations
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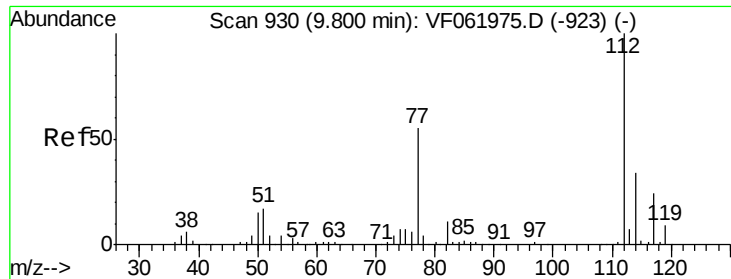
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#64
Tetrachloroethene
Concen: 47.046 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	115.5	100.0	150.0
129	90.3	72.4	108.6
131	84.6	67.1	100.7





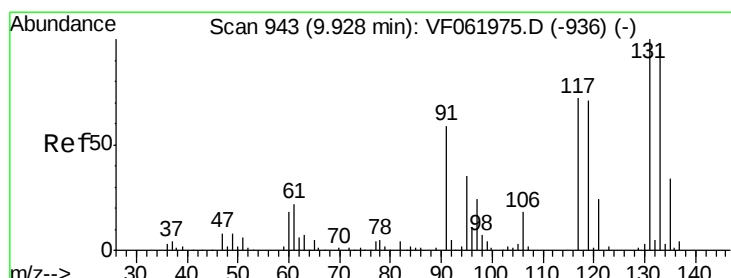
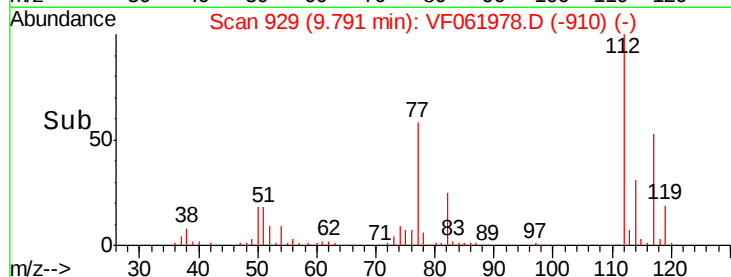
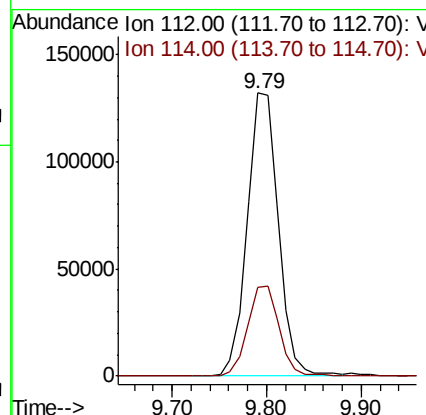
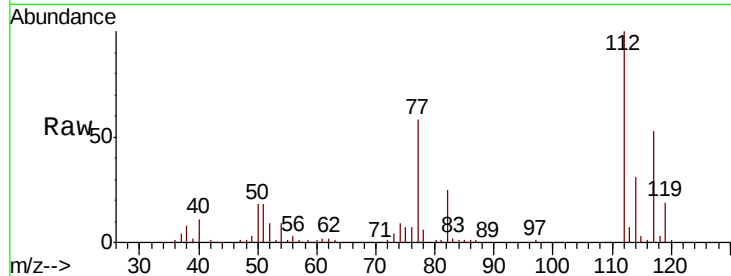
#65
Chlorobenzene
Concen: 46.641 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tot Ion:112 Resp: 301819
Ion Ratio Lower Upper
112 100
114 31.4 26.9 40.3

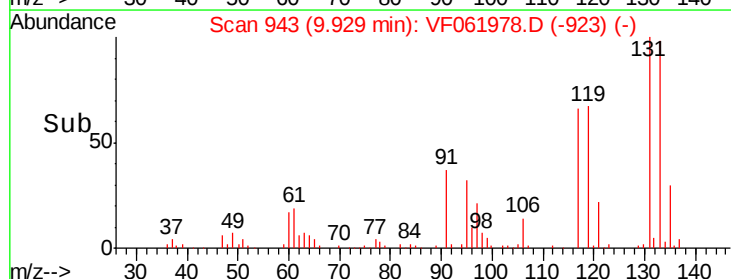
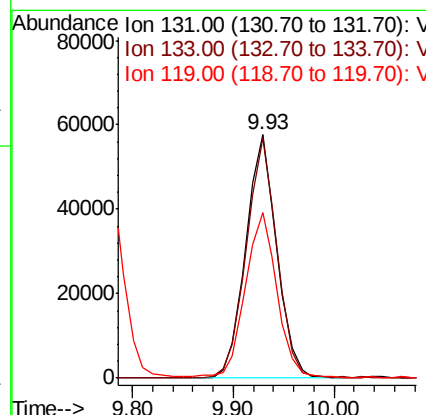
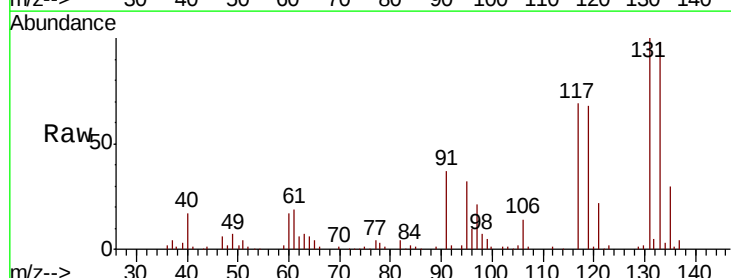
Manual Integrations
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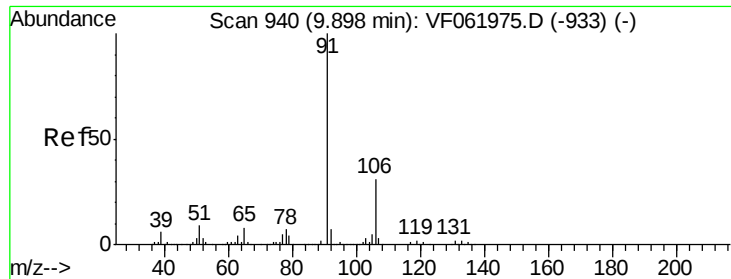
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.419 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion:131 Resp: 123958
Ion Ratio Lower Upper
131 100
133 98.5 48.0 144.2
119 68.0 35.9 107.7





#67

Ethyl Benzene

Concen: 46.472 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

Tot Ion: 91 Resp: 514909

Ion Ratio Lower Upper

91 100

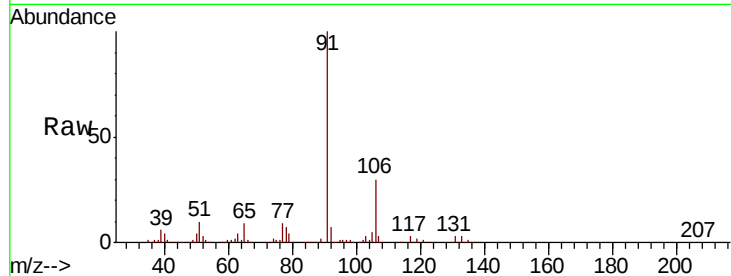
106 30.0 24.4 36.6

Manual Integrations

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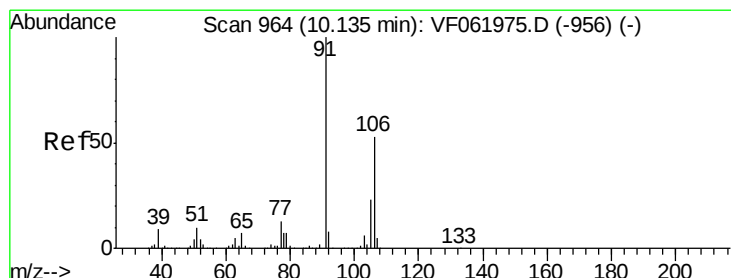
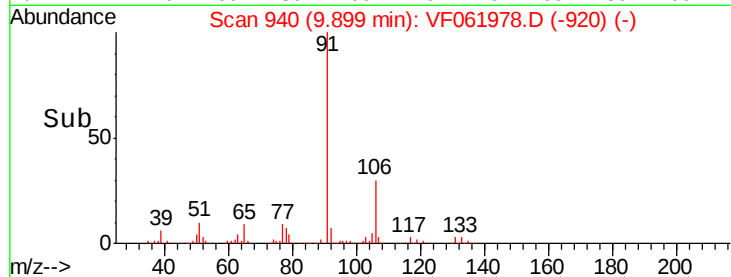
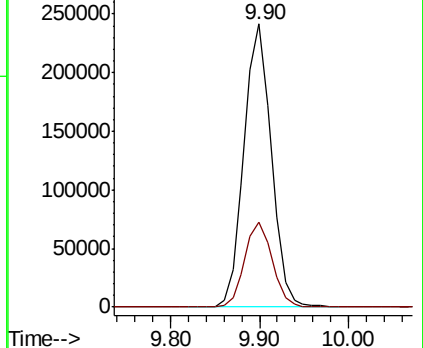
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 93.620 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061978.D

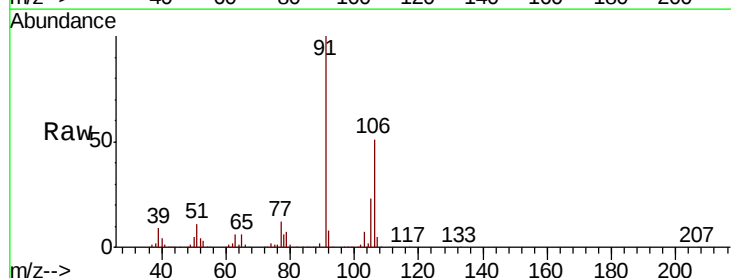
Acq: 16 Mar 2019 15:54

Tgt Ion:106 Resp: 390139

Ion Ratio Lower Upper

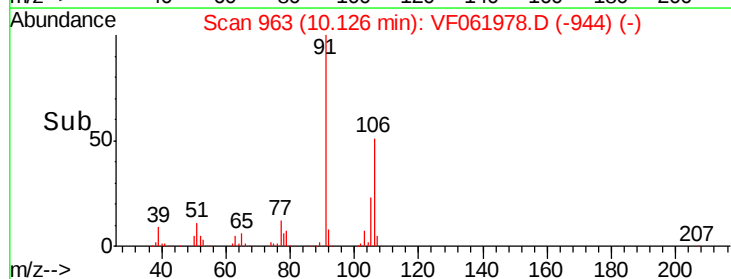
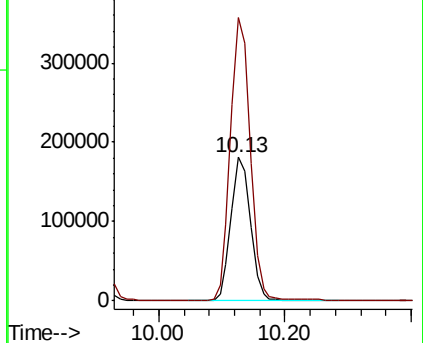
106 100

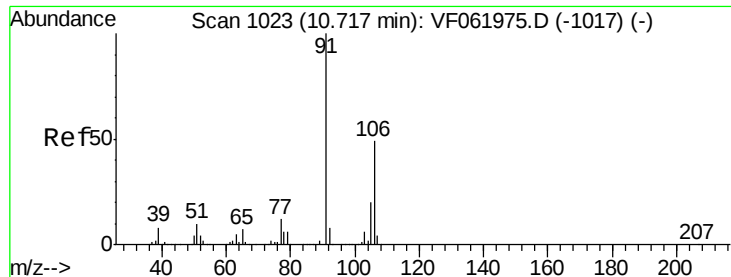
91 197.0 151.9 227.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





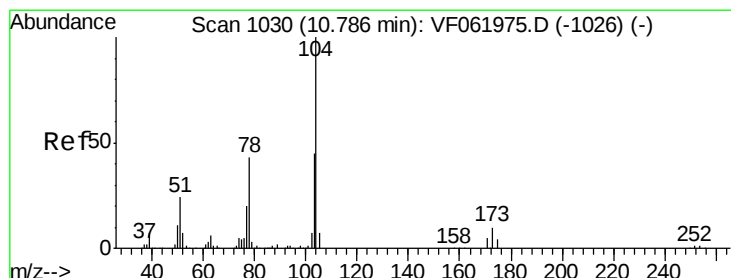
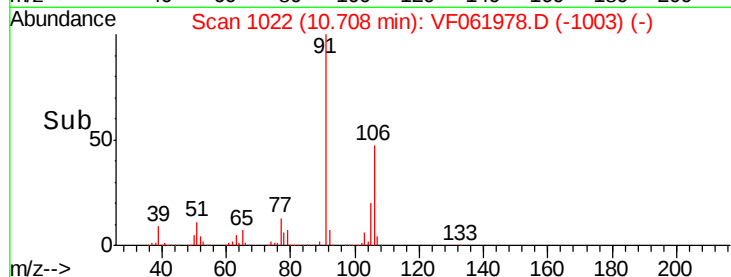
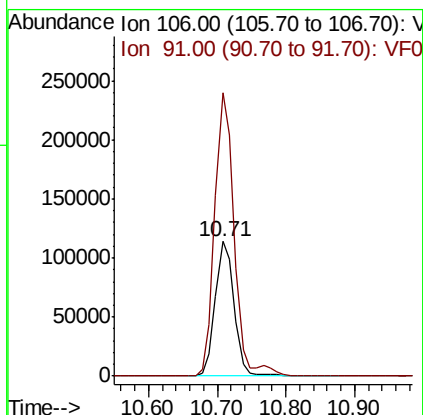
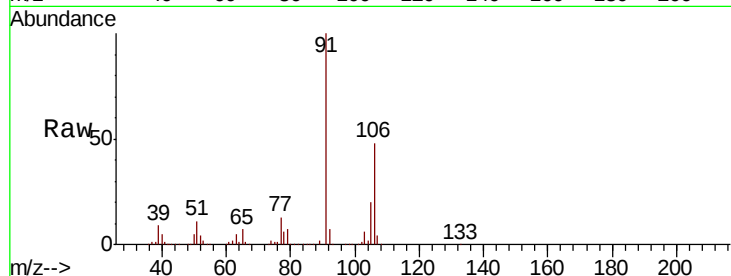
#69
o-Xylene
Concen: 48.548 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampled :
ICVVF031619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		216479		
91	210.5	102.3	306.8		

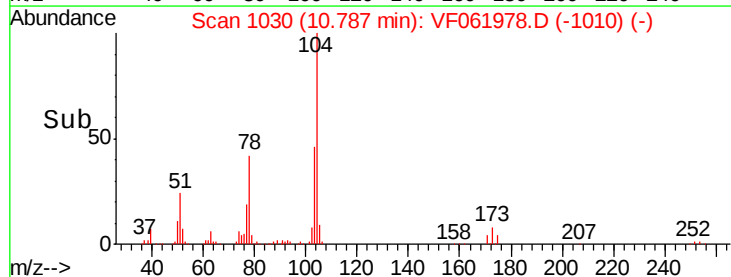
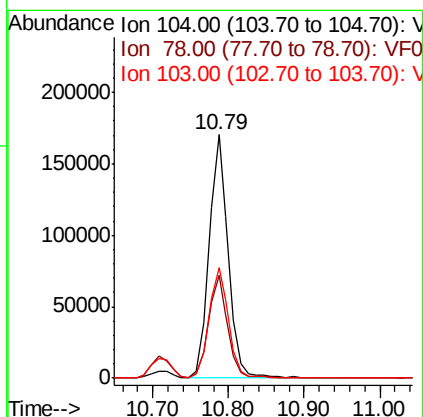
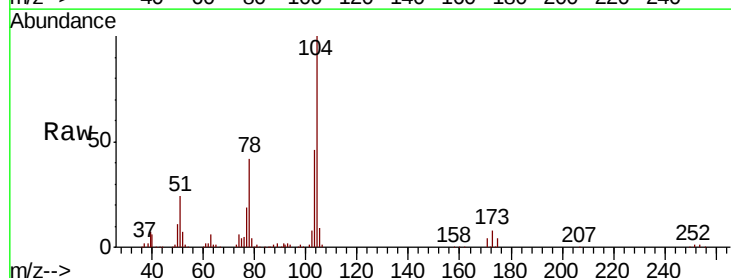
Manual Integrations
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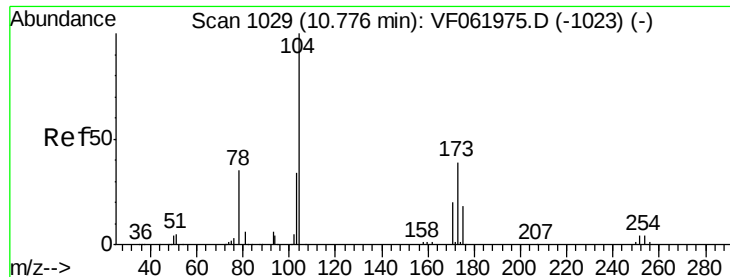
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#70
Styrene
Concen: 48.499 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		299608		
78	42.1	34.7	52.1		
103	45.5	36.6	54.8		





#71

Bromoform

Concen: 51.138 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

Tot Ion:173 Resp: 64881

Ion Ratio Lower Upper

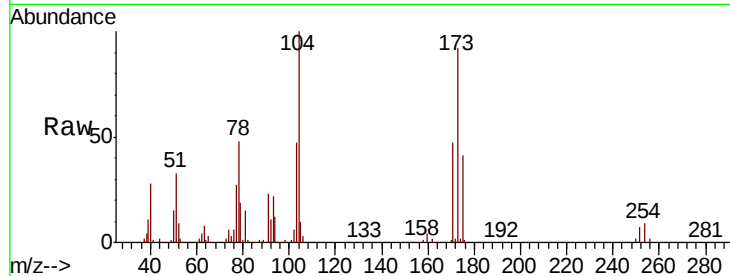
173 100

175 45.3 23.7 71.1

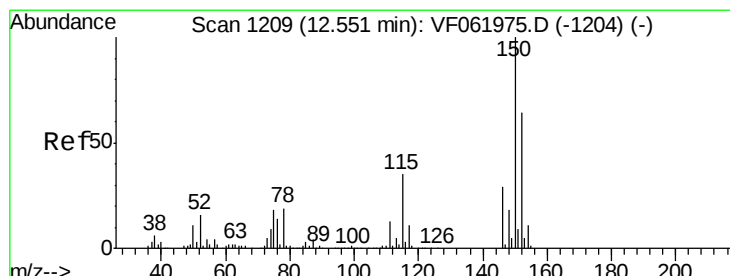
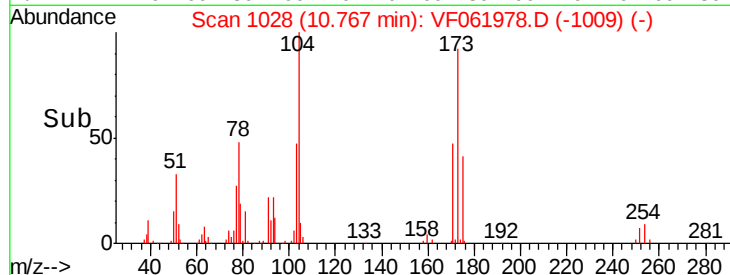
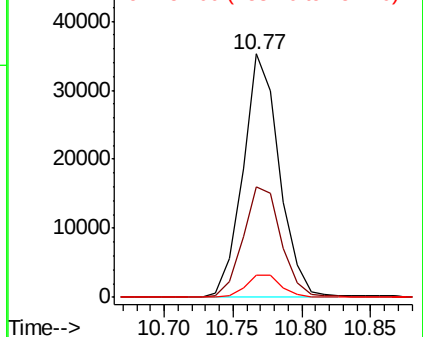
254 9.3 7.8 11.8

Manual Integrations
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

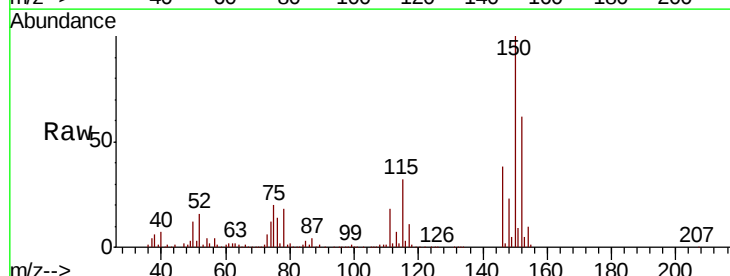
Tgt Ion:152 Resp: 180271

Ion Ratio Lower Upper

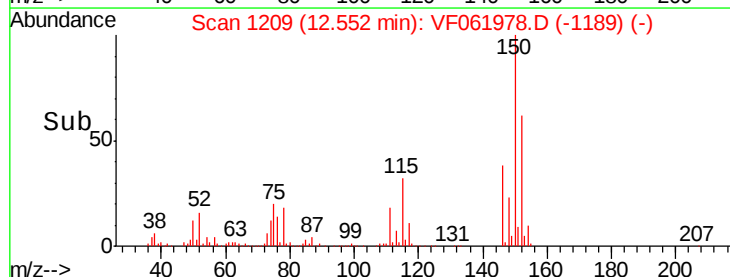
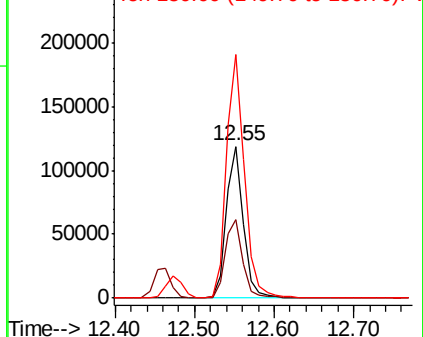
152 100

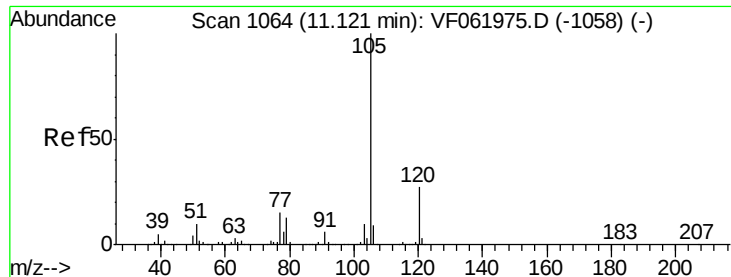
115 51.9 27.3 81.9

150 160.2 0.0 316.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.113 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

Tot Ion: 105 Resp: 624122

Ion Ratio Lower Upper

105 100

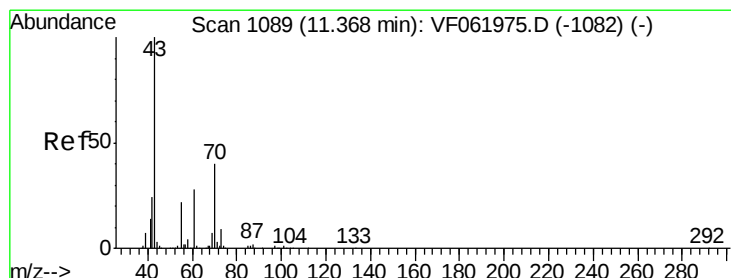
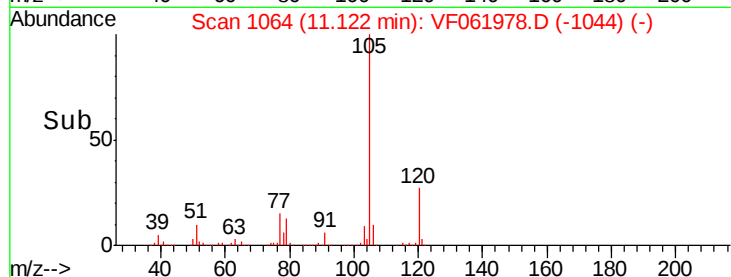
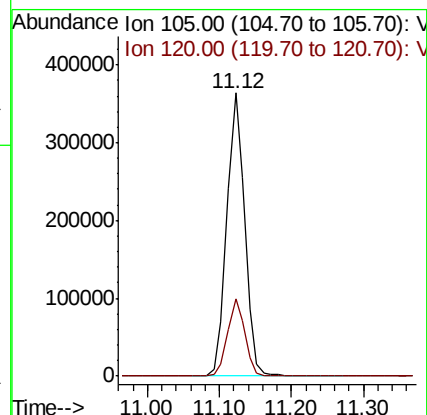
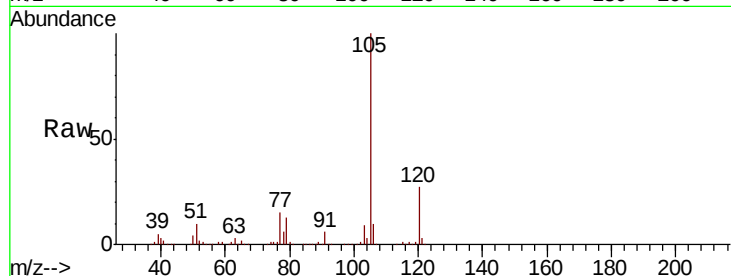
120 27.3 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.006 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Tgt Ion: 43 Resp: 148411

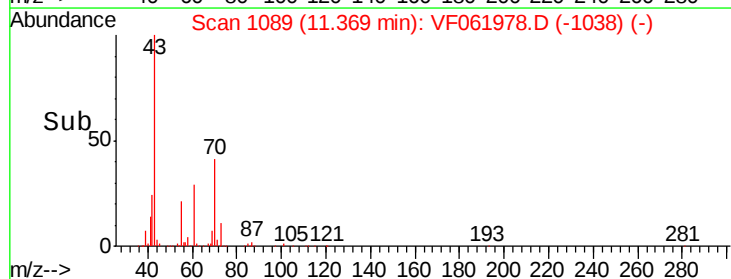
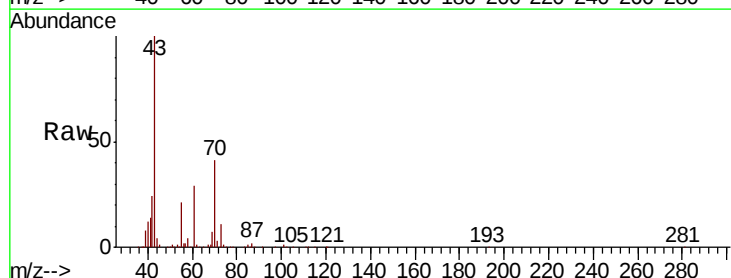
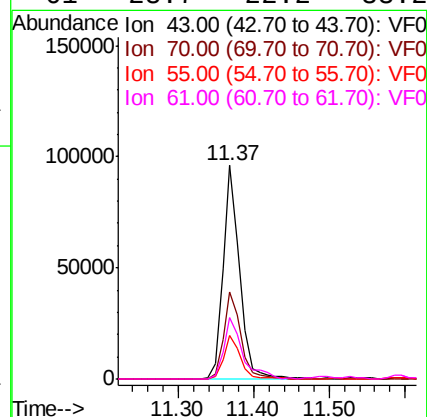
Ion Ratio Lower Upper

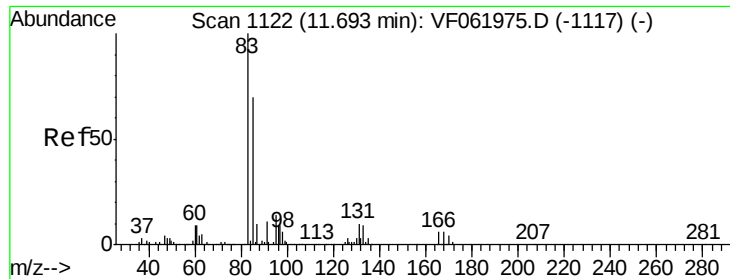
43 100

70 40.6 31.9 47.9

55 20.6 17.9 26.9

61 28.7 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.366 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

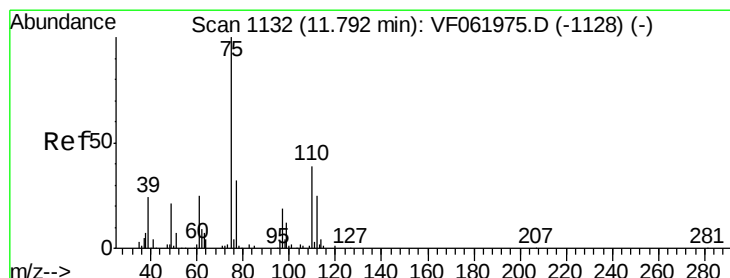
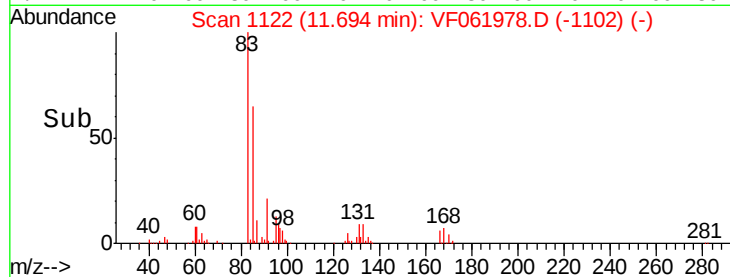
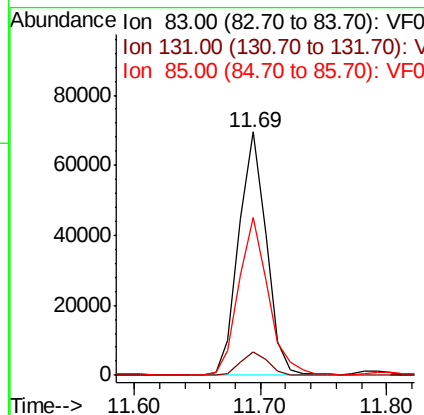
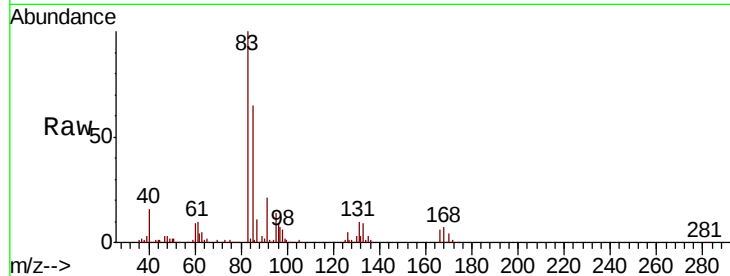
ClientSampleId :

ICVVF031619

Tot Ion	83	Resp	105593
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	65.0	35.3	105.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.125 ug/l

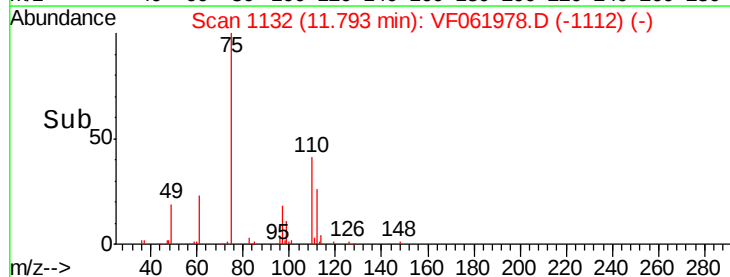
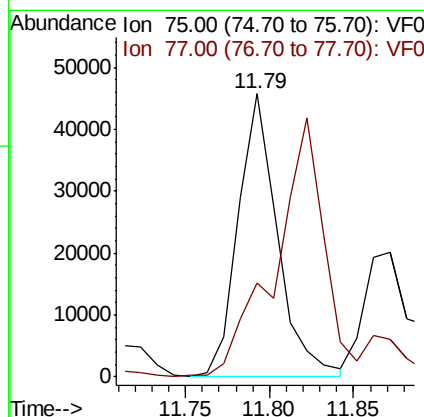
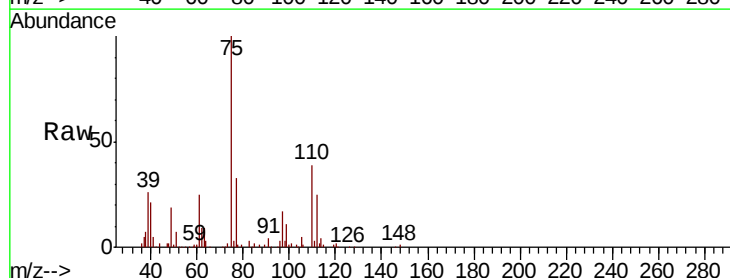
RT: 11.79 min Scan# 1132

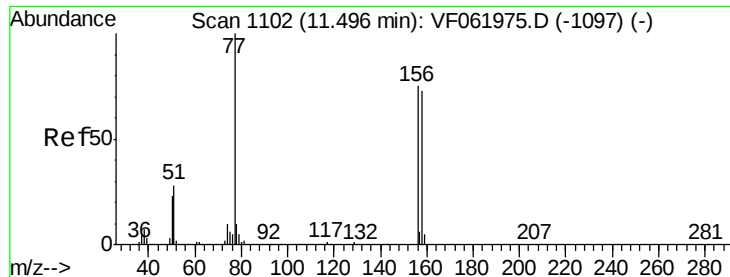
Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Tgt Ion	75	Resp	73491
Ion Ratio	Lower	Upper	
75	100		
77	33.2	16.4	49.2





#77

Bromobenzene

Concen: 48.834 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

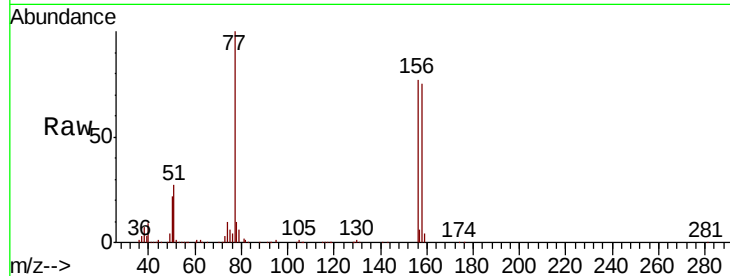
ClientSampleId :

ICVVF031619

Tot Ion	Ratio	Lower	Upper
156	100		
77	130.6	67.0	201.0
158	97.9	48.9	146.7

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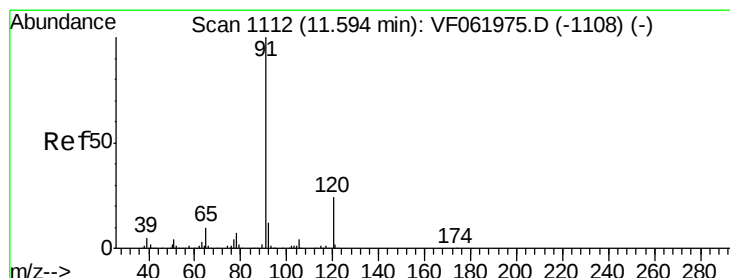
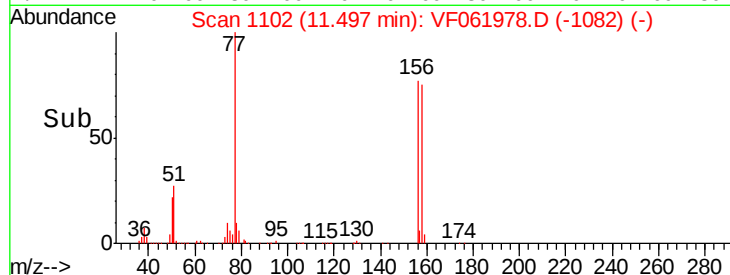
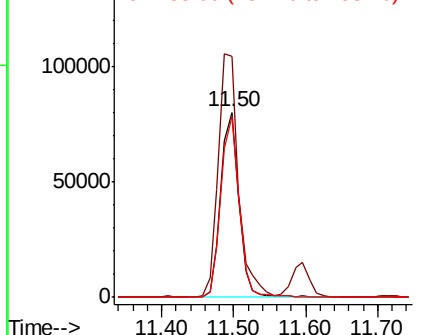
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 47.894 ug/l

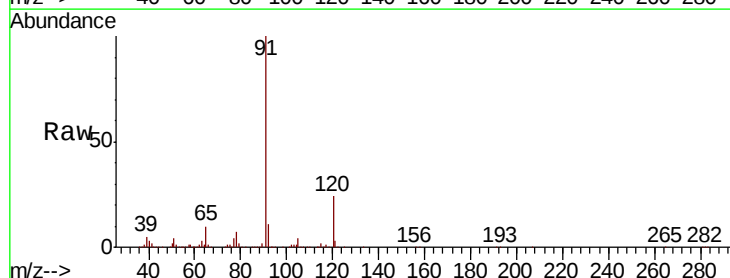
RT: 11.60 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF061978.D

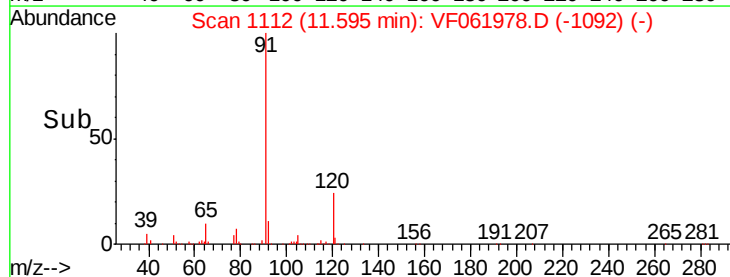
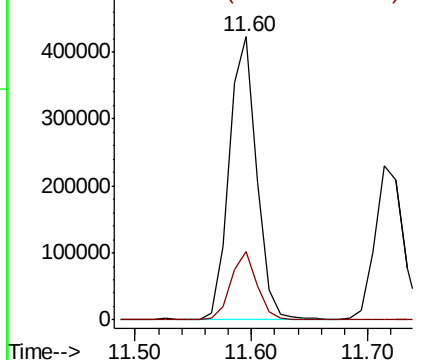
Acq: 16 Mar 2019 15:54

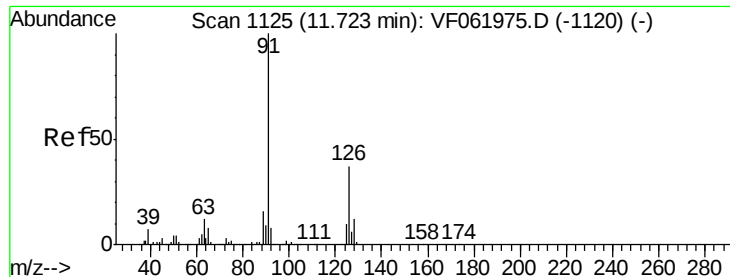
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.035 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

Tot Ion: 91 Resp: 380194

Ion Ratio Lower Upper

91 100

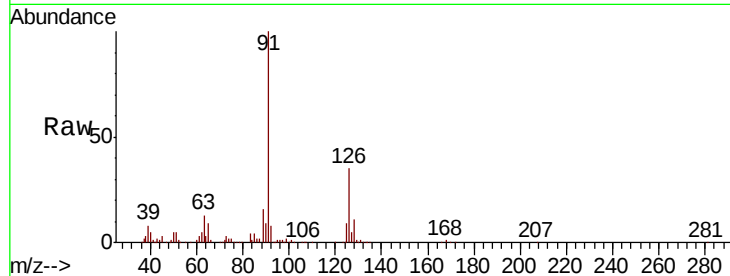
126 34.9 18.4 55.2

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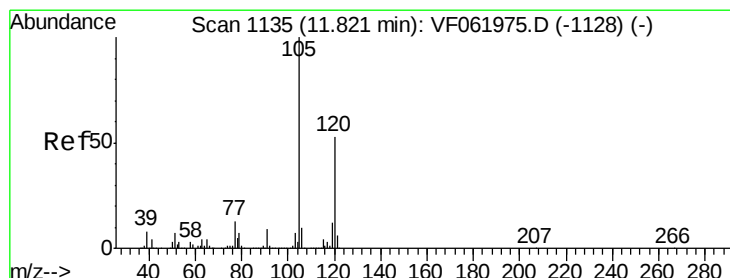
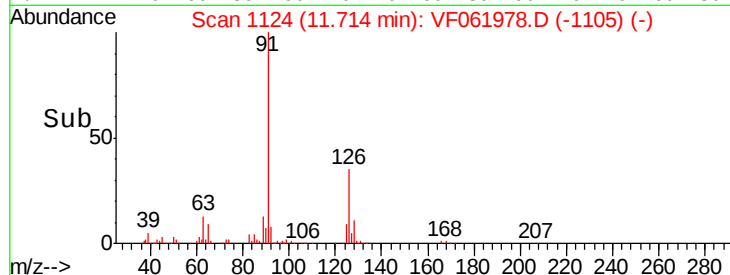
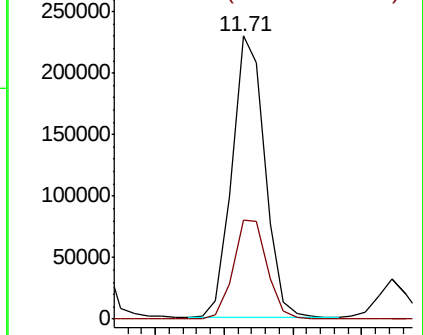
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 48.842 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061978.D

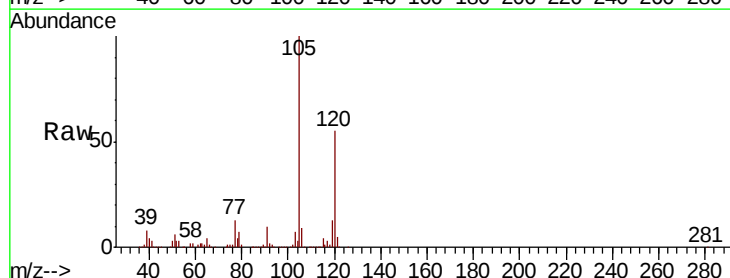
Acq: 16 Mar 2019 15:54

Tgt Ion:105 Resp: 491363

Ion Ratio Lower Upper

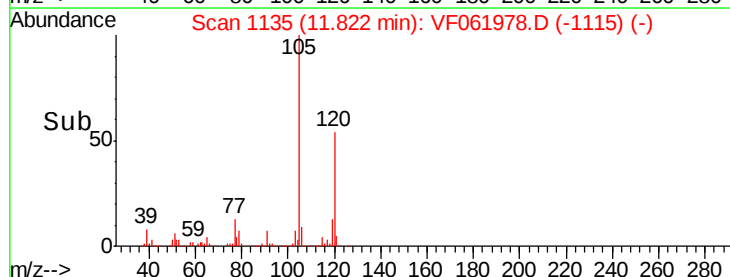
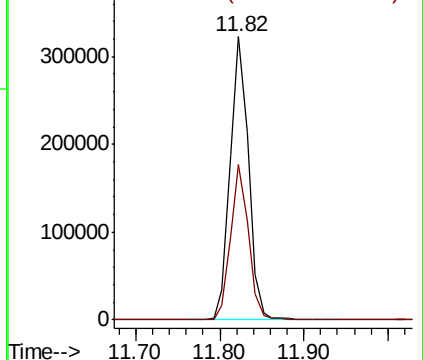
105 100

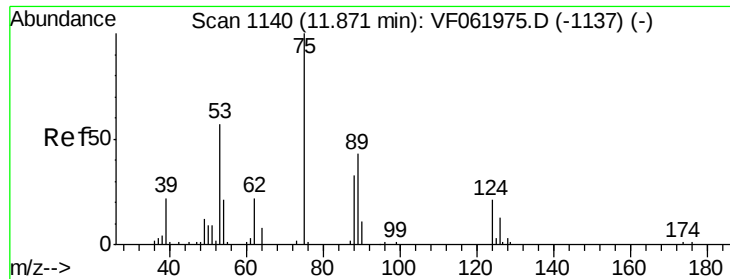
120 55.0 26.6 79.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 59.157 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

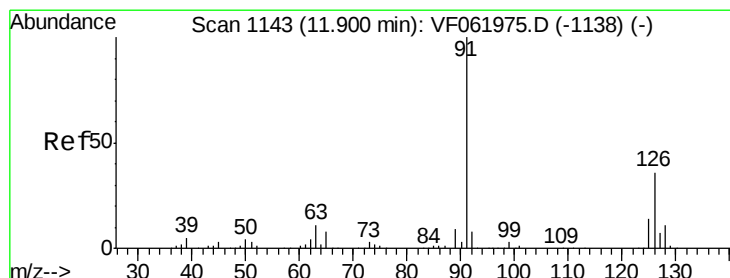
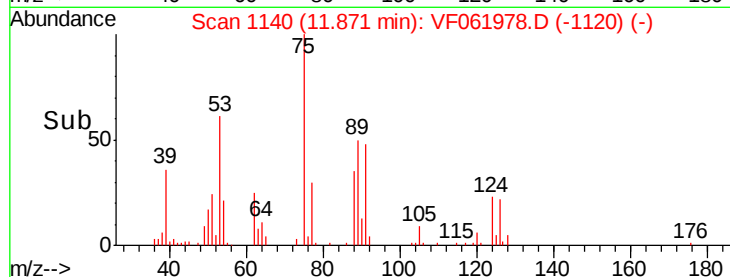
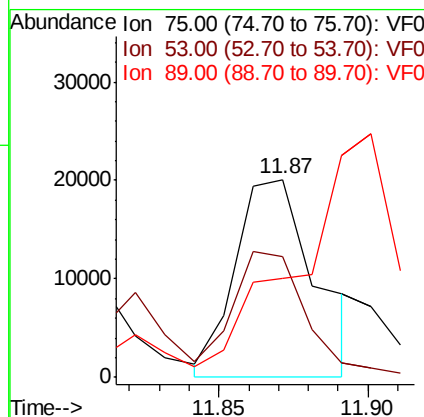
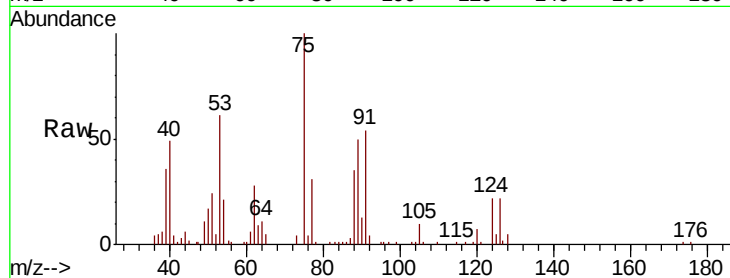
ClientSampleId :

ICVVF031619

Tot Ion:	75	Resp:	37619
Ion	Ratio	Lower	Upper
75	100		
53	60.8	49.0	73.6
89	49.9	37.1	55.7

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#82

4-Chlorotoluene

Concen: 47.666 ug/l

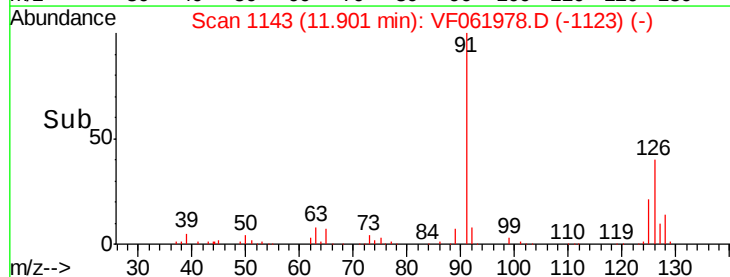
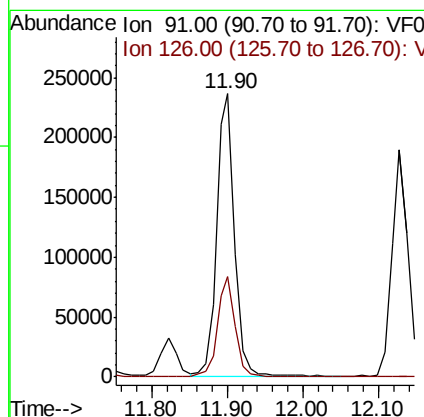
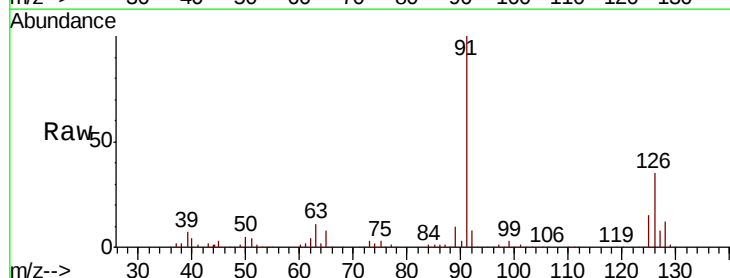
RT: 11.90 min Scan# 1143

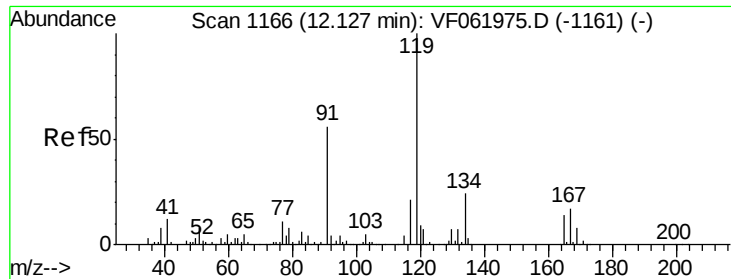
Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Tgt Ion:	91	Resp:	389635
Ion	Ratio	Lower	Upper
91	100		
126	35.5	18.1	54.1





#83

tert-Butylbenzene

Concen: 50.086 ug/l

RT: 12.13 min Scan# 1166

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

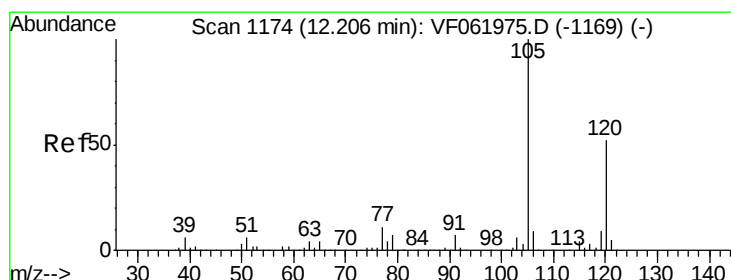
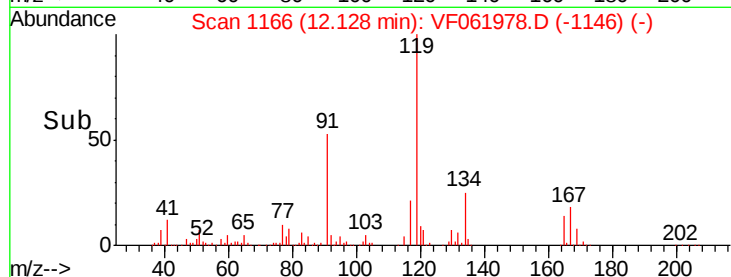
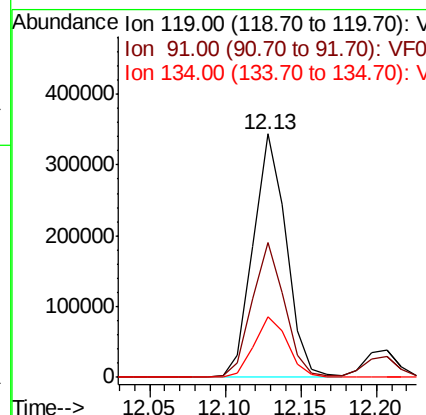
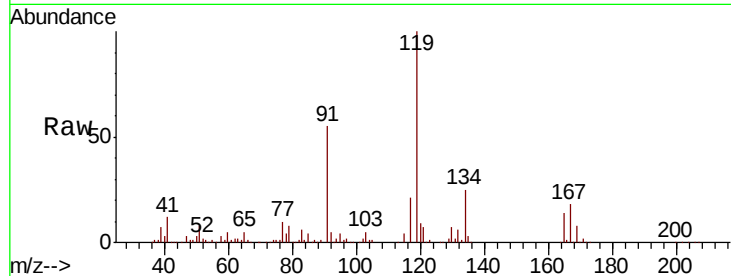
ClientSampleId :

ICVVF031619

Tot Ion:	119	Resp:	526965
Ion Ratio	Lower	Upper	
119	100		
91	55.2	27.9	83.6
134	25.0	12.3	36.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 47.471 ug/l

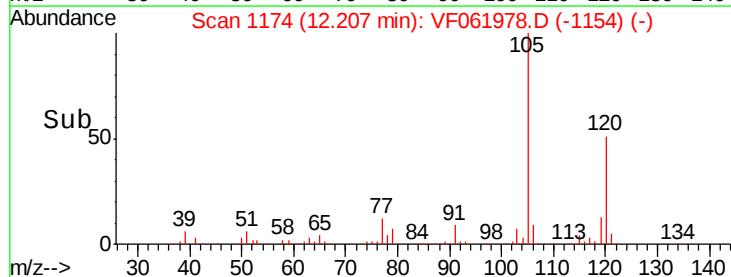
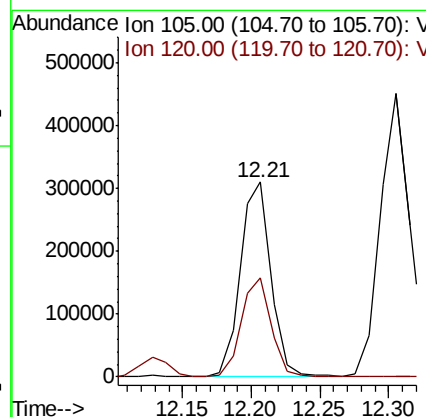
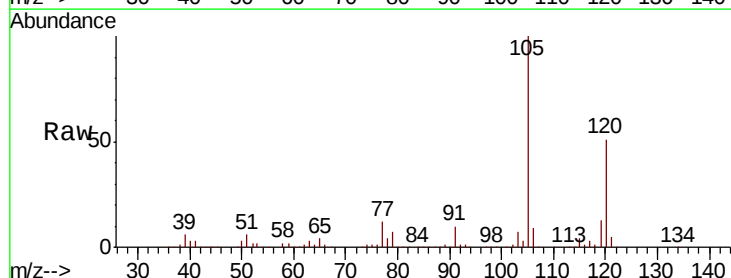
RT: 12.21 min Scan# 1174

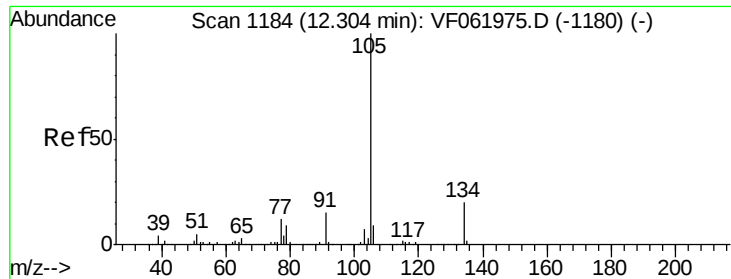
Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Tgt Ion:	105	Resp:	478354
Ion Ratio	Lower	Upper	
105	100		
120	50.7	25.9	77.8





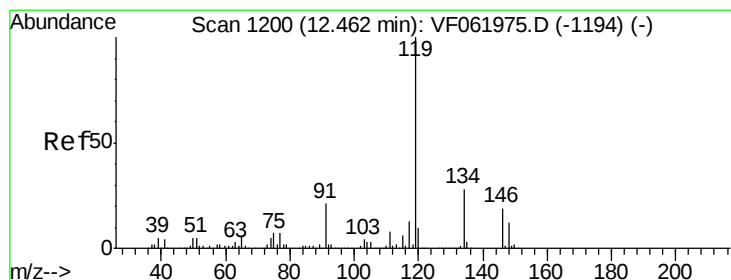
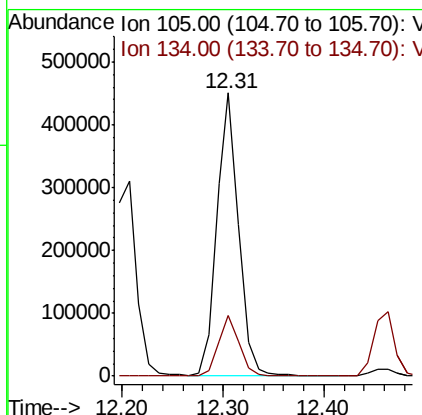
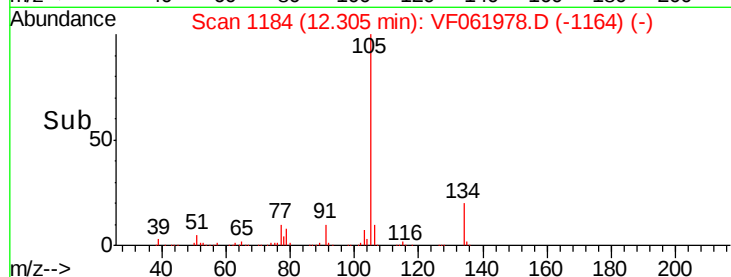
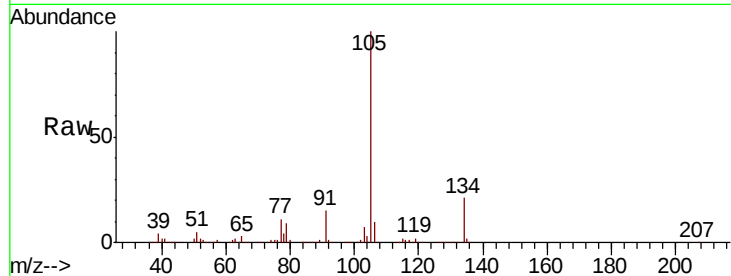
#85
 sec-Butylbenzene
 Concen: 47.435 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF031619

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.0	29.8

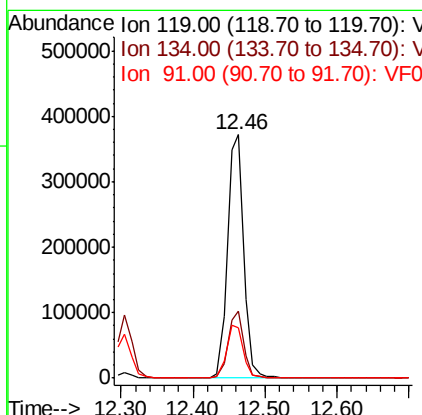
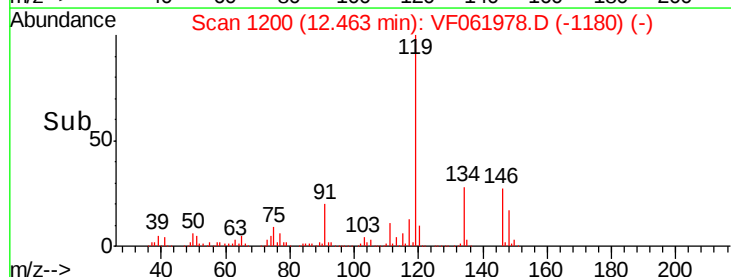
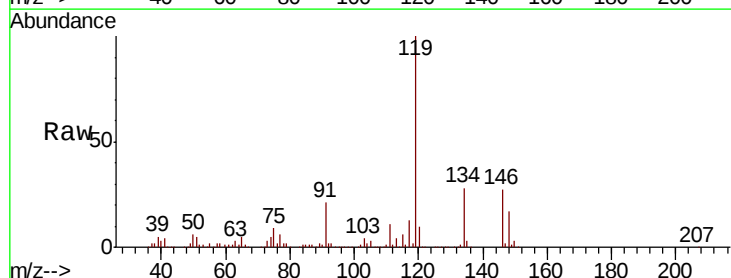
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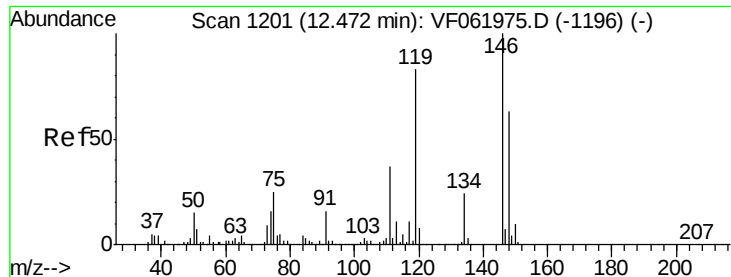
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#86
 p-Isopropyltoluene
 Concen: 48.711 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.9	41.7
91	20.5	10.4	31.1





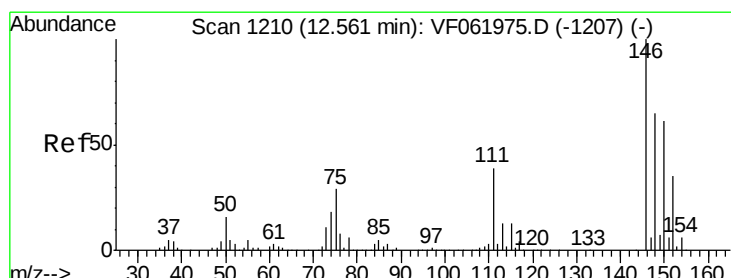
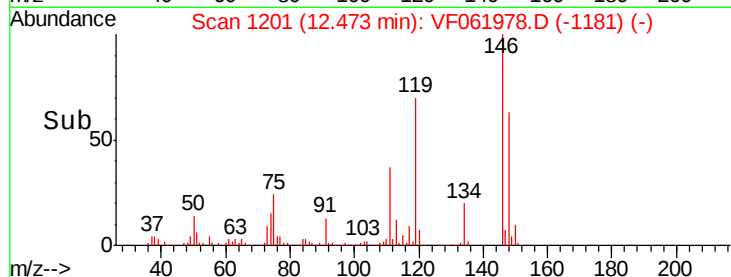
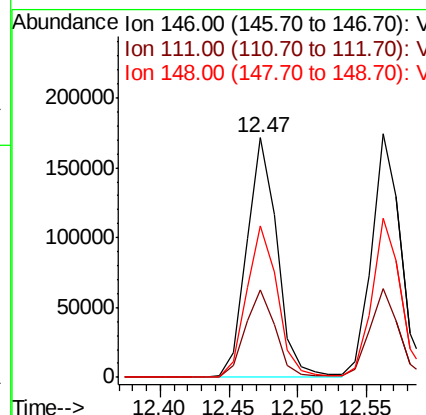
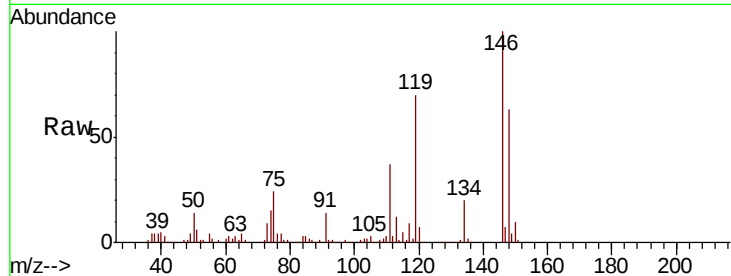
#87
 1,3-Dichlorobenzene
 Concen: 46.905 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF031619

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	55.8
148	63.4	31.3	93.9

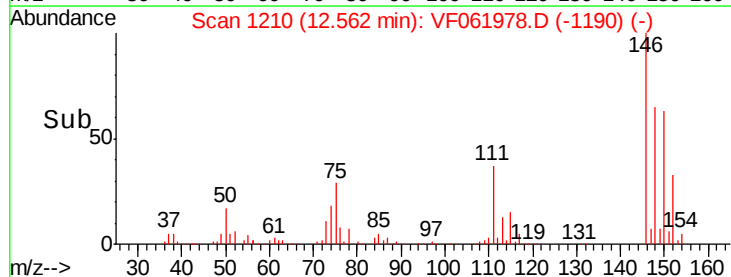
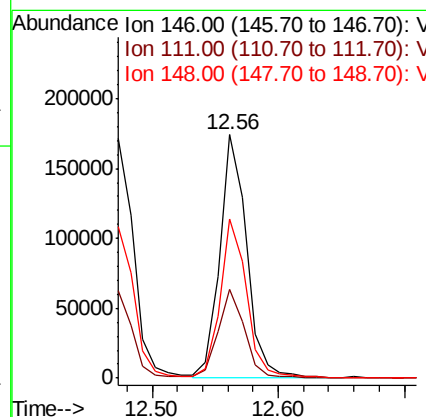
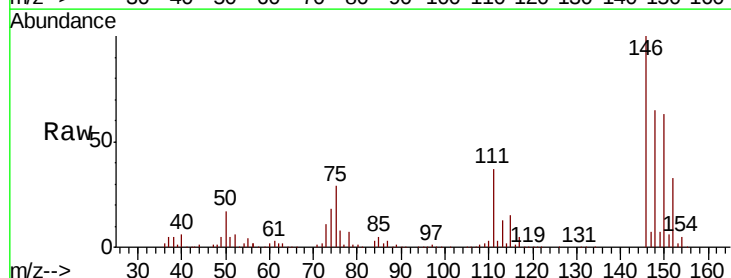
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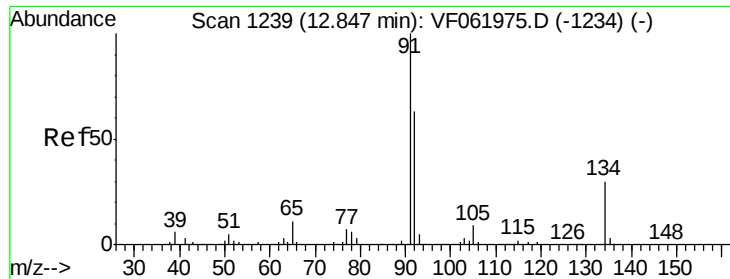
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#88
 1,4-Dichlorobenzene
 Concen: 46.941 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.4	58.1
148	65.1	32.4	97.0





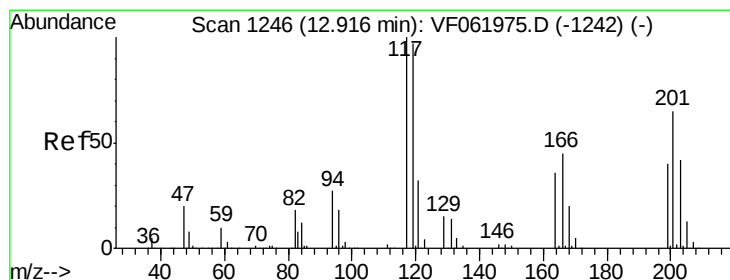
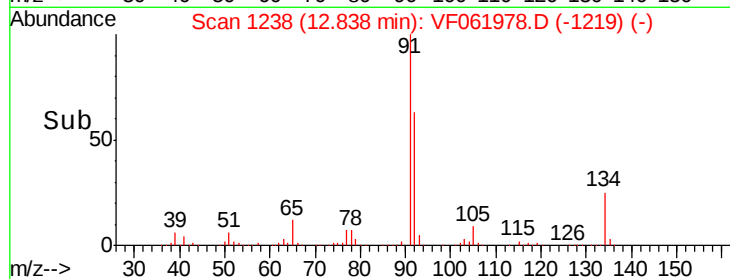
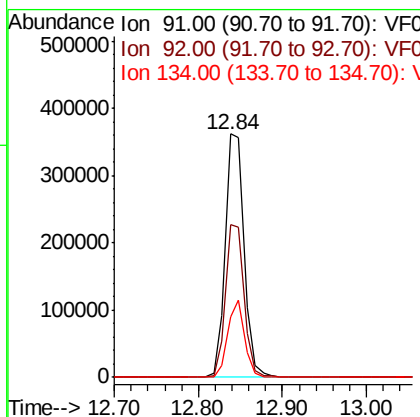
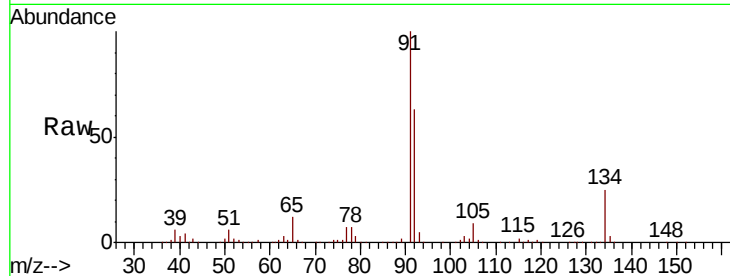
#89
n-Butylbenzene
Concen: 50.616 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.6	31.7	95.1
134	25.1	15.1	45.3

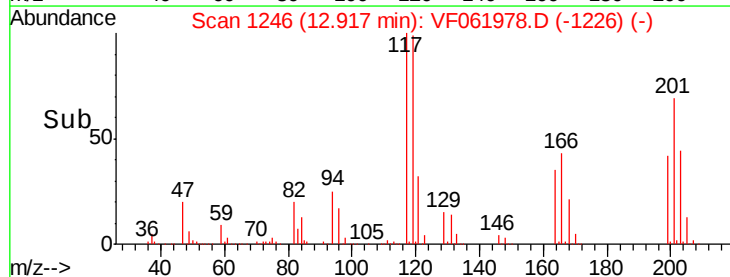
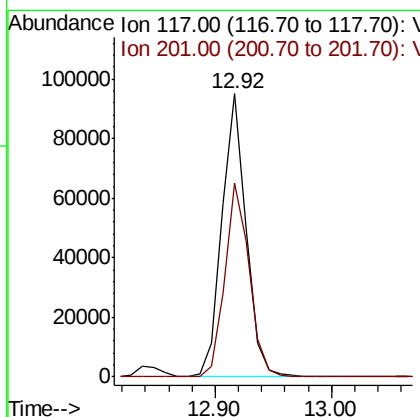
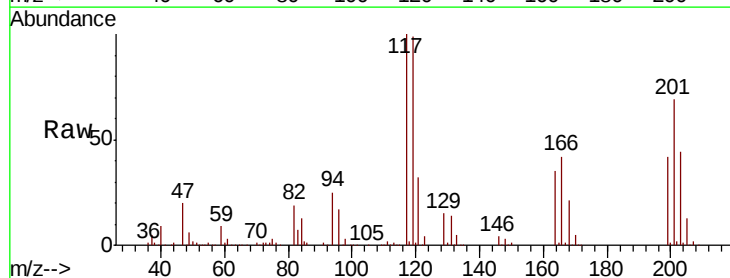
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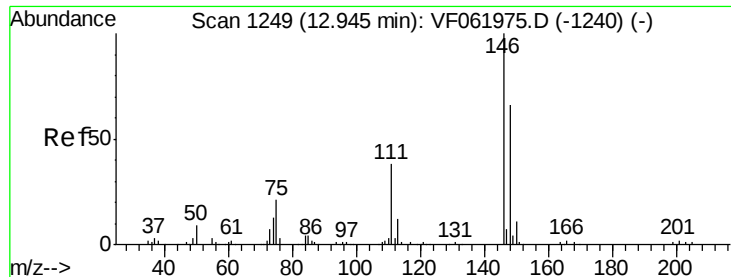
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#90
Hexachloroethane
Concen: 50.615 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.7	32.5	97.5





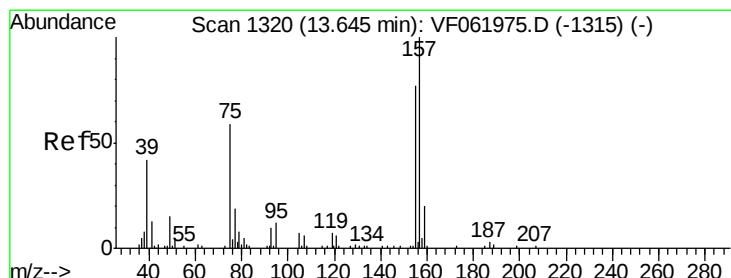
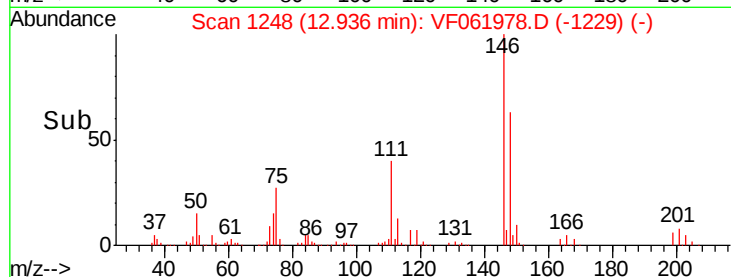
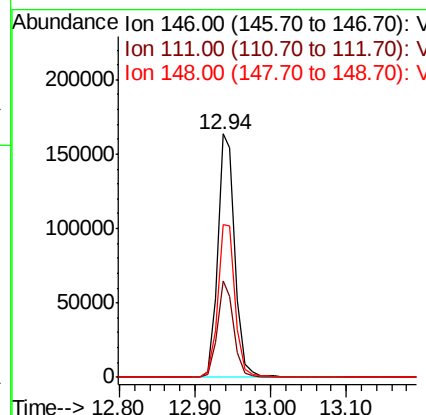
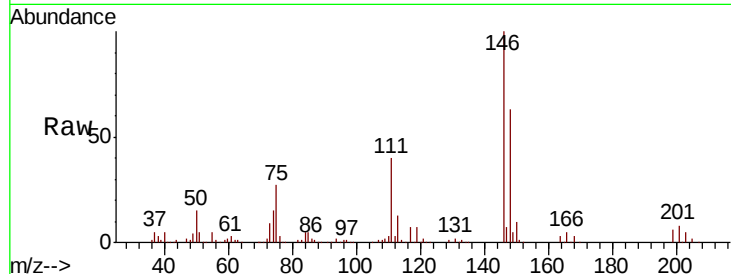
#91
 1,2-Dichlorobenzene
 Concen: 50.362 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF031619

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.9	56.5
148	63.0	32.9	98.6

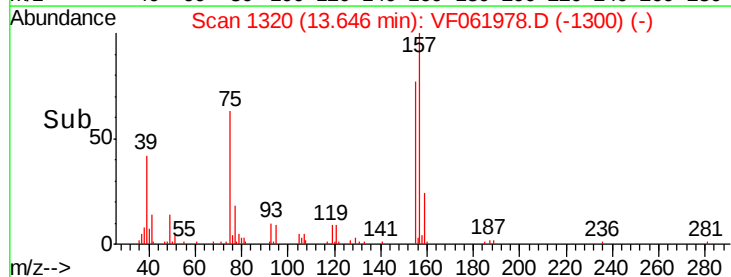
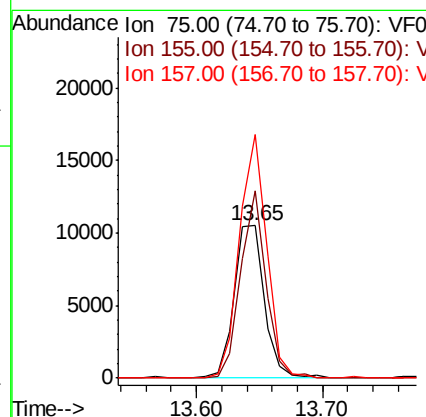
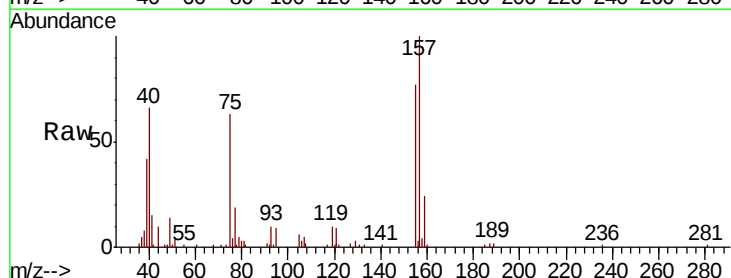
Manual Integrations
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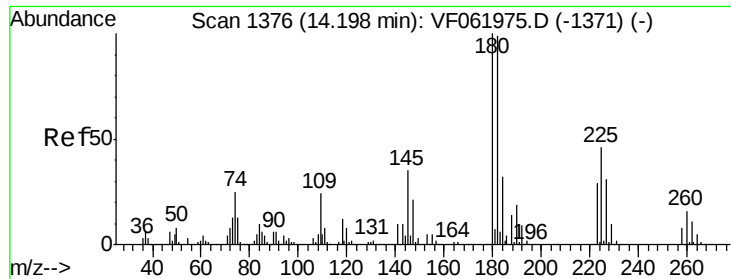
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.573 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	123.2	65.0	195.1
157	160.0	84.7	254.0





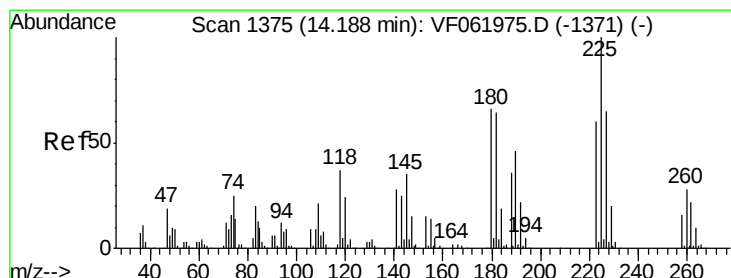
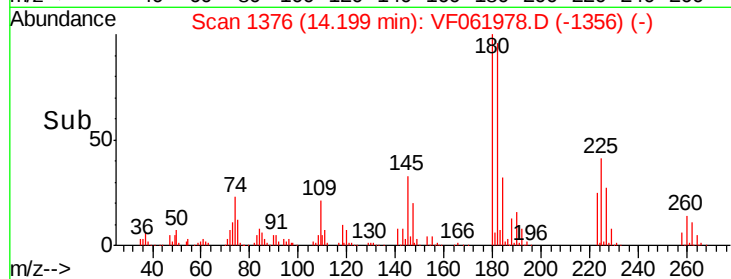
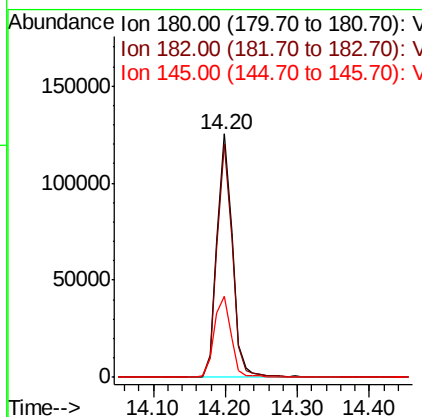
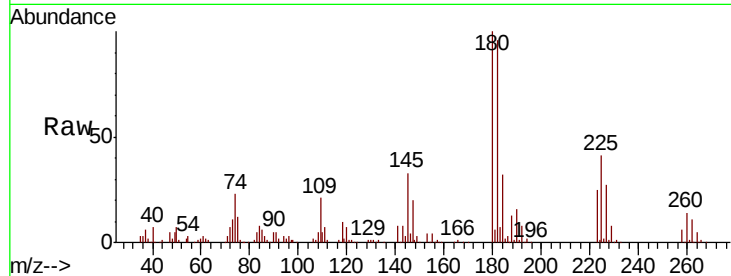
#93
 1,2,4-Trichlorobenzene
 Concen: 50.689 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF031619

Tot Ion	Ratio	Resp	Lower	Upper
180	100	185319		
182	96.0	49.6	149.0	
145	33.4	17.5	52.5	

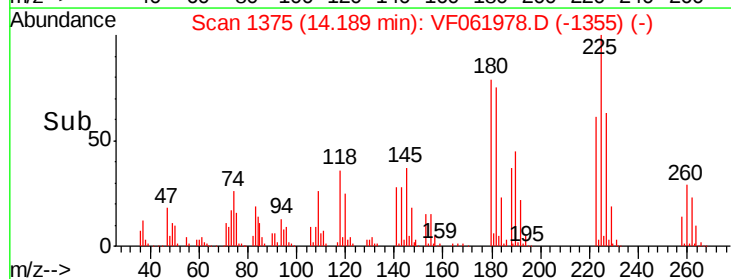
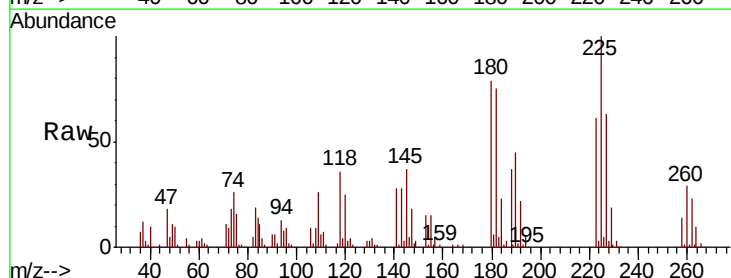
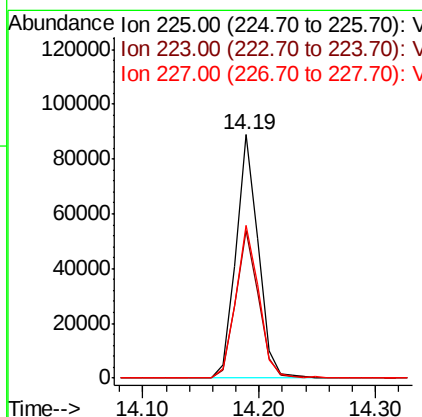
Manual Integrations
 APPROVED

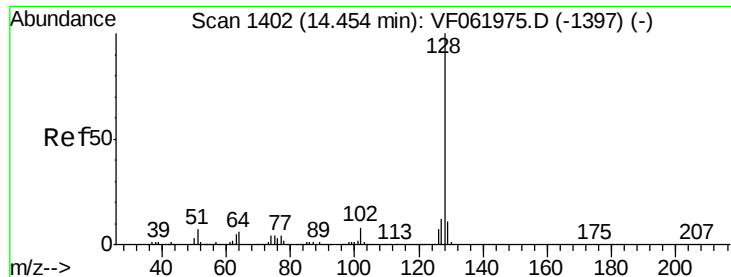
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#94
 Hexachlorobutadiene
 Concen: 48.941 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118785		
223	60.8	29.9	89.7	
227	62.7	32.4	97.2	





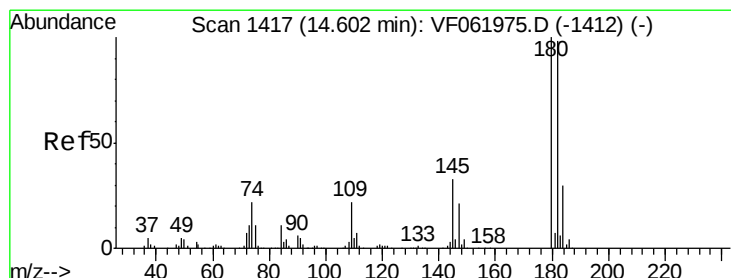
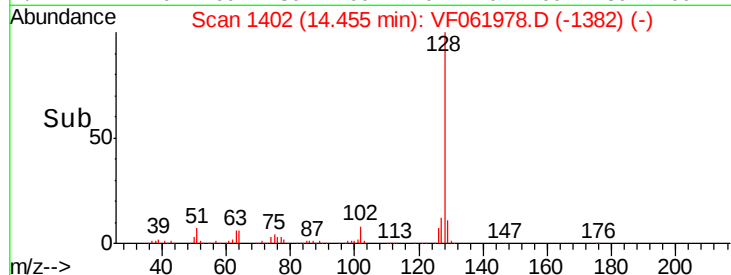
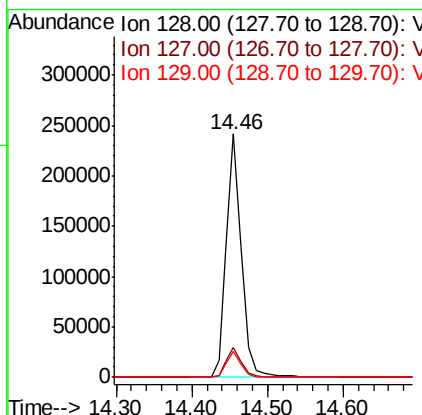
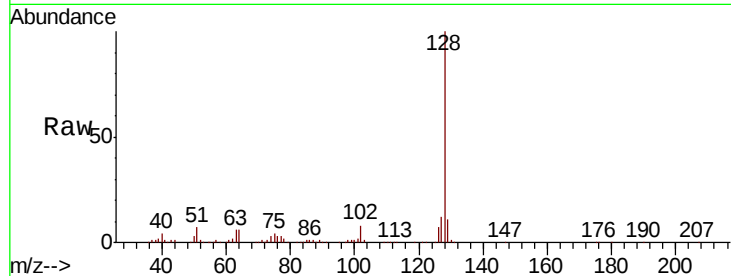
#95
Naphthalene
Concen: 51.024 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	12.3	9.3	13.9	
129	10.8	9.1	13.7	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.677 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.7	48.9	146.8	
145	32.5	16.7	50.1	

