

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122618\
 Data File : VF061200.D
 Acq On : 26 Dec 2018 20:54
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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Quant Time: Dec 27 08:23:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	164742	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	268983	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	262492	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	134269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	106403	50.22	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	4.10	113	110696	51.37	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	7.54	98	320405	52.47	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	11.40	95	144082	51.18	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	180093	49.177	ug/l	96
3) Chloromethane	1.10	50	108843	51.886	ug/l	98
4) Vinyl Chloride	1.13	62	98450	50.592	ug/l #	85
5) Bromomethane	1.34	94	71335	52.851	ug/l	97
6) Chloroethane	1.39	64	46131	51.448	ug/l	96
7) Trichlorofluoromethane	1.48	101	198955	53.546	ug/l	96
8) Diethyl Ether	1.62	74	23278	45.750	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	99940	51.877	ug/l	95
10) Methyl Iodide	1.89	142	148170m	48.792	ug/l	
11) Tert butyl alcohol	2.56	59	20425	238.875	ug/l #	93
12) 1,1-Dichloroethene	1.78	96	71586	49.295	ug/l	92
13) Acrolein	1.99	56	13165	213.076	ug/l	89
14) Allyl chloride	2.09	41	90870	60.129	ug/l	98
15) Acrylonitrile	2.93	53	53543	270.801	ug/l	96
16) Acetone	2.23	43	94390	222.836	ug/l	97
17) Carbon Disulfide	1.83	76	206165	46.978	ug/l	96
18) Methyl Acetate	2.33	43	48162	54.957	ug/l #	93
19) Methyl tert-butyl Ether	2.42	73	160191	49.697	ug/l	100
20) Methylene Chloride	2.24	84	94249m	71.567	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	76637	49.341	ug/l	97
22) Diisopropyl ether	2.79	45	256574	50.968	ug/l	97
23) Vinyl Acetate	3.17	43	636353	274.018	ug/l	99
24) 1,1-Dichloroethane	2.86	63	150285	50.387	ug/l	99
25) 2-Butanone	4.32	43	178674	260.089	ug/l	95
26) 2,2-Dichloropropane	3.59	77	92238	53.888	ug/l	98
27) cis-1,2-Dichloroethene	3.46	96	117841	49.558	ug/l	97
28) Bromochloromethane	3.70	49	78219	51.685	ug/l	93
29) Tetrahydrofuran	4.05	42	75850	271.275	ug/l	98
30) Chloroform	3.84	83	236672	52.920	ug/l	98
31) Cyclohexane	3.68	56	159757m	51.618	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	148199	55.286	ug/l	93
36) 1,1-Dichloropropene	4.26	75	166974	51.427	ug/l	94
37) Ethyl Acetate	4.10	43	72161	59.014	ug/l #	95
38) Carbon Tetrachloride	3.97	117	143730	58.130	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	178093	61.141	ug/l	98
40) Benzene	4.61	78	368453	52.770	ug/l	97
41) Methacrylonitrile	4.73	41	36723	53.556	ug/l	94
42) 1,2-Dichloroethane	4.93	62	144214	54.370	ug/l	98
43) Isopropyl Acetate	6.94	43	87351	55.718	ug/l #	92
44) Trichloroethene	5.49	130	116741	53.032	ug/l	93
45) 1,2-Dichloropropane	6.22	63	98287	51.740	ug/l	97
46) Dibromomethane	6.07	93	71555	58.076	ug/l	91
47) Bromodichloromethane	6.37	83	176600	55.165	ug/l	100
48) Methyl methacrylate	6.70	41	60807	55.560	ug/l	93
49) 1,4-Dioxane	6.68	88	7092	893.062	ug/l	97
51) 4-Methyl-2-Pentanone	8.24	43	297925	277.093	ug/l	96
52) Toluene	7.61	92	250924	54.290	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	138824	53.756	ug/l	100
54) cis-1,3-Dichloropropene	7.29	75	186244	57.461	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	79301	57.233	ug/l	93
56) Ethyl methacrylate	8.61	69	89706	59.832	ug/l	98
57) 1,3-Dichloropropane	8.83	76	141171	56.333	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.28	63	72938	253.299	ug/l	100
59) 2-Hexanone	9.48	43	216155	277.997	ug/l	99
60) Dibromochloromethane	8.70	129	116602	58.707	ug/l	100
61) 1,2-Dibromoethane	8.97	107	83763	56.605	ug/l	97
64) Tetrachloroethene	8.13	164	103244	51.130	ug/l	95
65) Chlorobenzene	9.78	112	279808	51.599	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	114316	51.586	ug/l	96
67) Ethyl Benzene	9.89	91	521294	52.767	ug/l	100
68) m/p-Xylenes	10.12	106	359565	103.421	ug/l	99
69) o-Xylene	10.70	106	199038	51.619	ug/l	98
70) Styrene	10.78	104	270190	58.316	ug/l	97
71) Bromoform	10.76	173	57574	56.156	ug/l #	97
73) Isopropylbenzene	11.11	105	564704	48.805	ug/l	99
74) N-amyl acetate	11.36	43	139456	54.287	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	102365	53.305	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	77319	54.103	ug/l	96
77) Bromobenzene	11.49	156	128584	51.624	ug/l	83
78) n-propylbenzene	11.59	91	690012	52.294	ug/l	97
79) 2-Chlorotoluene	11.70	91	391251	49.292	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	479815	50.361	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	30831m	50.205	ug/l	
82) 4-Chlorotoluene	11.89	91	418965	51.024	ug/l	100
83) tert-Butylbenzene	12.12	119	497221	50.715	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	480434	50.567	ug/l	99
85) sec-Butylbenzene	12.30	105	663885	51.889	ug/l	99
86) p-Isopropyltoluene	12.44	119	552519	52.026	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	234784	58.695	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	234284	51.225	ug/l	96
89) n-Butylbenzene	12.83	91	560219	52.966	ug/l	95
90) Hexachloroethane	12.91	117	138363	52.733	ug/l	87
91) 1,2-Dichlorobenzene	12.93	146	224899	50.507	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	19493	55.316	ug/l	91

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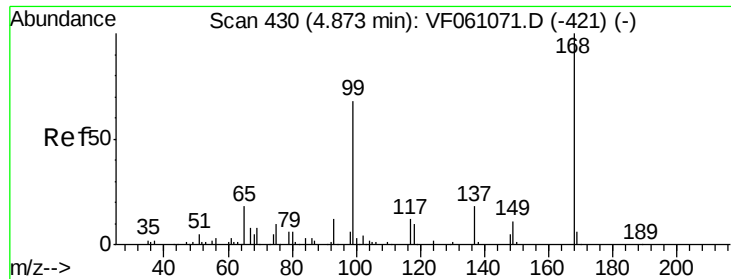
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	163354	51.728	ug/l	96
94) Hexachlorobutadiene	14.18	225	103848	51.632	ug/l	99
95) Naphthalene	14.45	128	311779	54.067	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	157507	53.952	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 164742

Ion Ratio Lower Upper

168 100

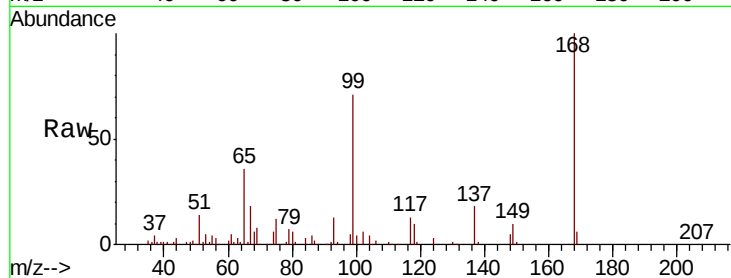
99 70.8 54.4 81.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

50000

40000

30000

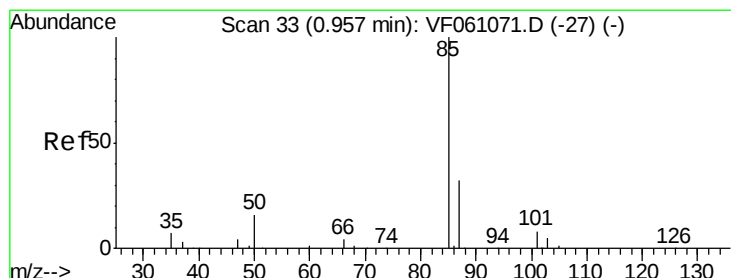
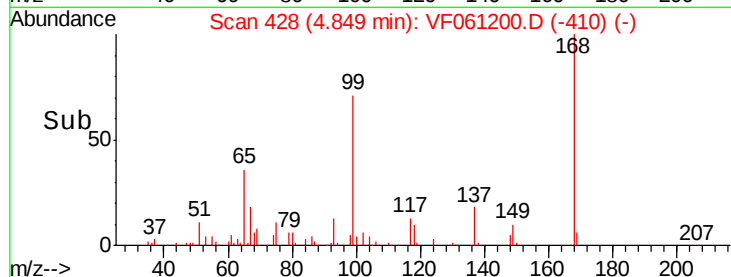
20000

10000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.177 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061200.D

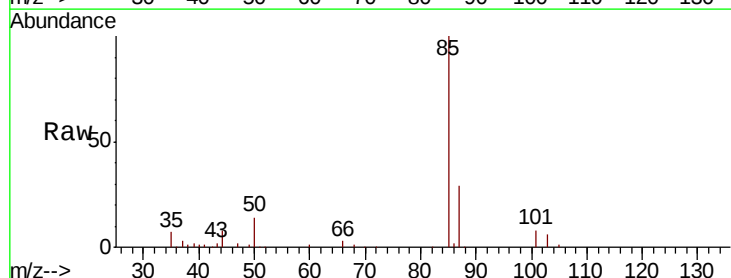
Acq: 26 Dec 2018 20:54

Tgt Ion: 85 Resp: 180093

Ion Ratio Lower Upper

85 100

87 29.3 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

30000

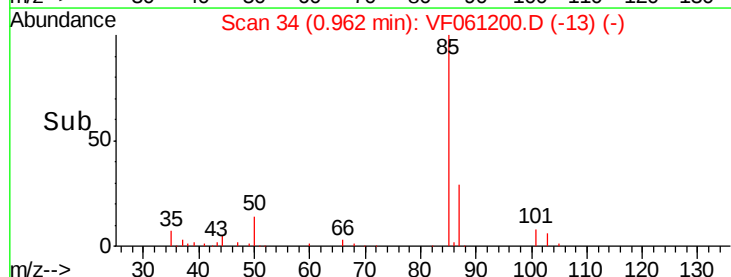
20000

10000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 51.886 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 108843

Ion Ratio Lower Upper

50 100

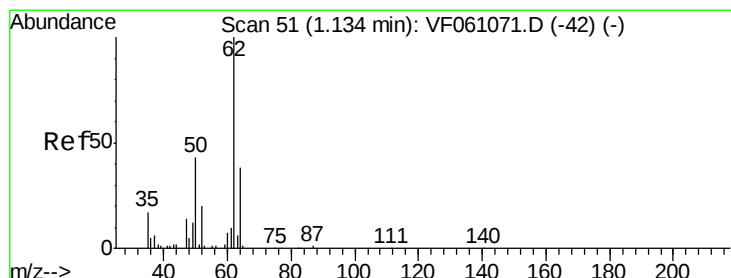
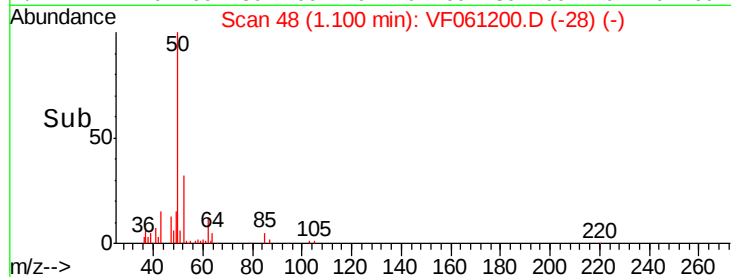
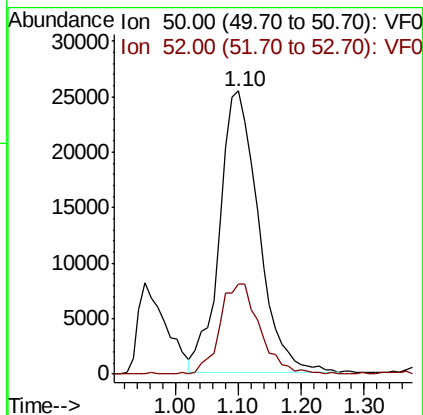
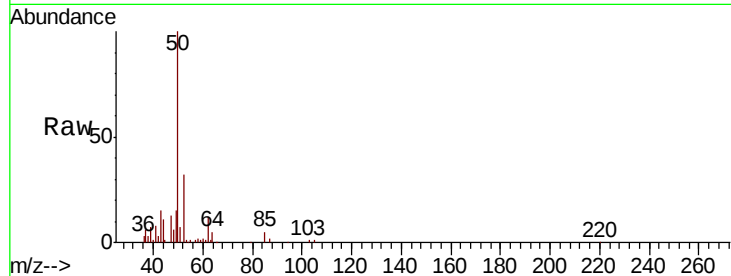
52 31.9 26.3 39.5

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#4

Vinyl Chloride

Concen: 50.592 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061200.D

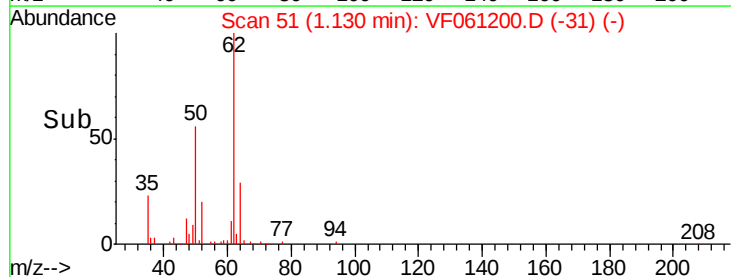
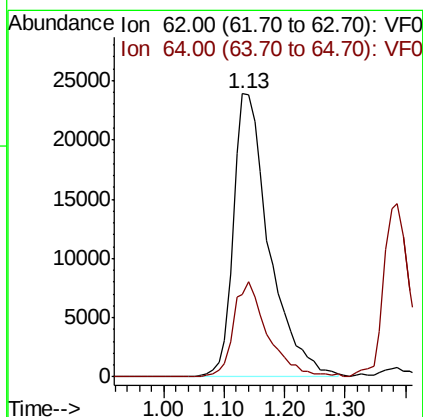
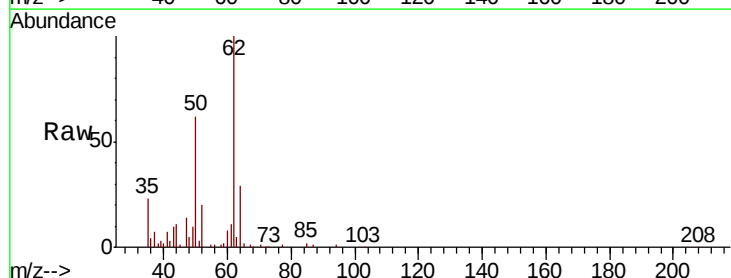
Acq: 26 Dec 2018 20:54

Tgt Ion: 62 Resp: 98450

Ion Ratio Lower Upper

62 100

64 29.0 30.4 45.6#





#5

Bromomethane

Concen: 52.851 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 71335

Ion Ratio Lower Upper

94 100

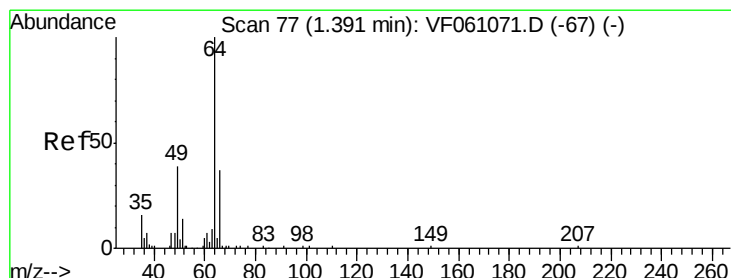
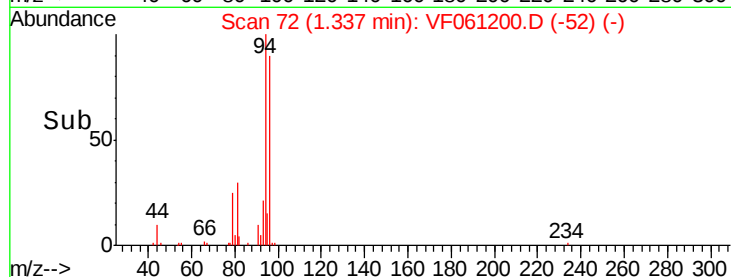
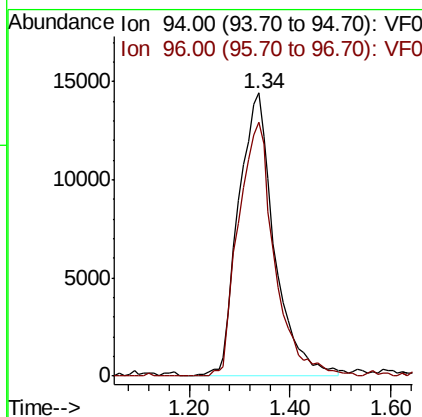
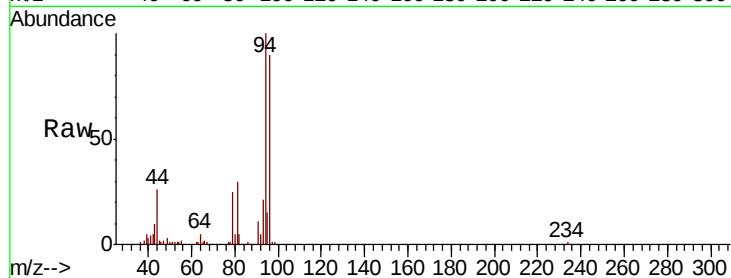
96 89.7 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 51.448 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061200.D

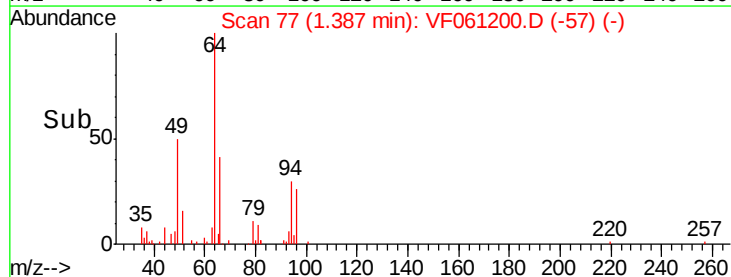
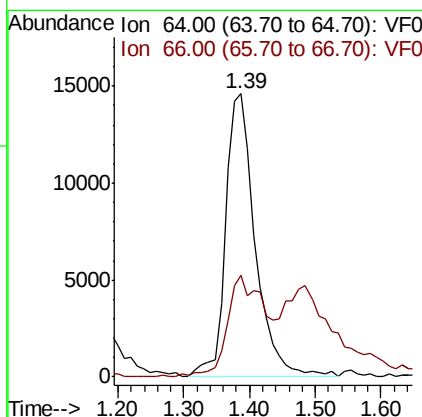
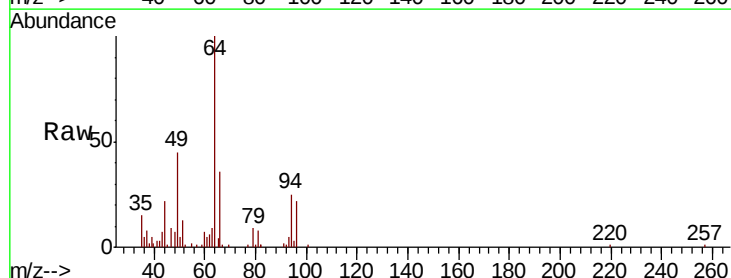
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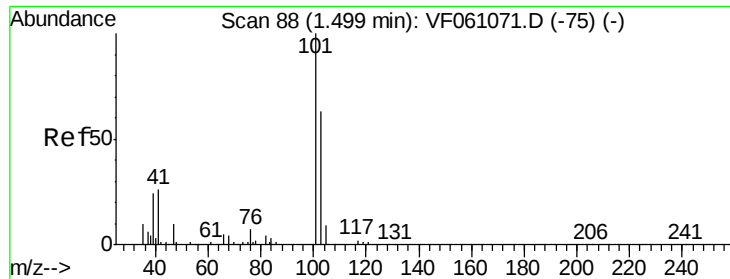
Tgt Ion: 64 Resp: 46131

Ion Ratio Lower Upper

64 100

66 35.9 30.9 46.3





#7

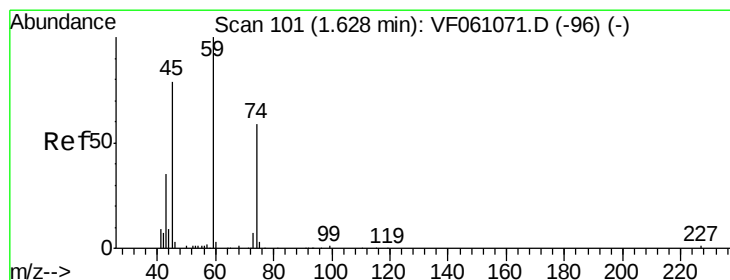
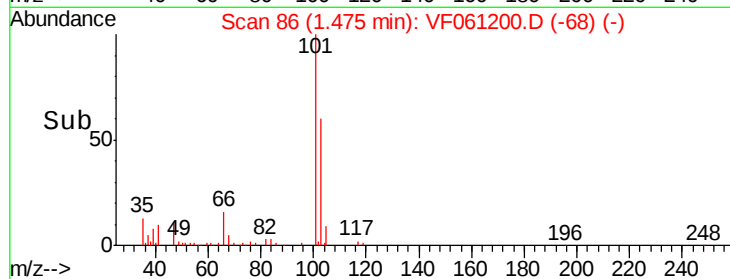
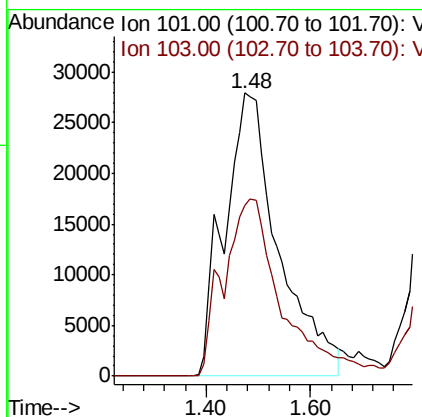
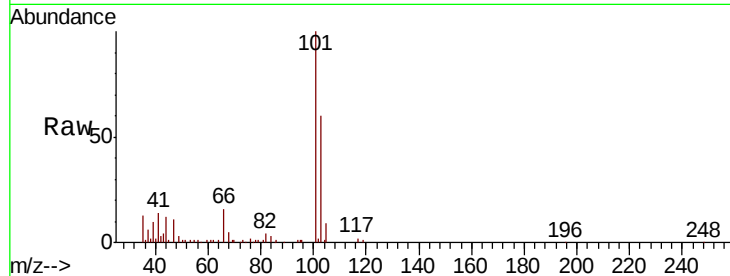
Trichlorofluoromethane
 Concen: 53.546 ug/l
 RT: 1.48 min Scan# 86
 Delta R.T. -0.02 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.1	50.7	76.1

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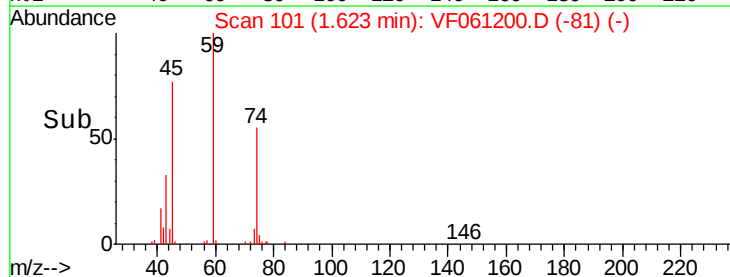
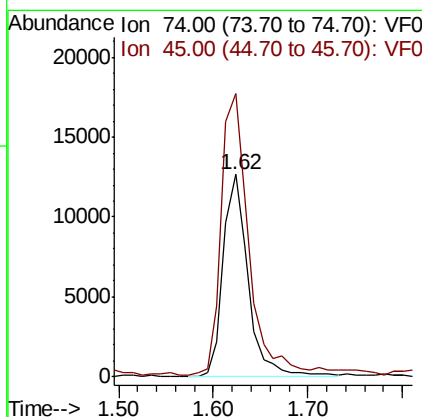
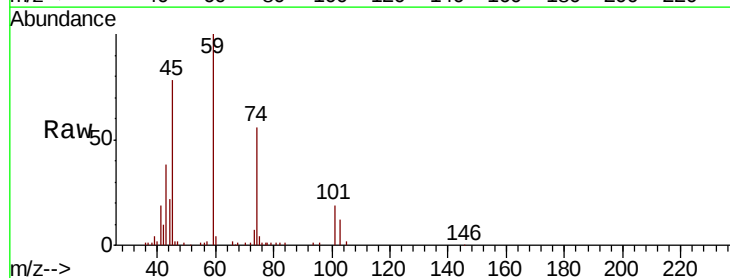
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#8

Diethyl Ether
 Concen: 45.750 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.0	67.8	203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.877 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

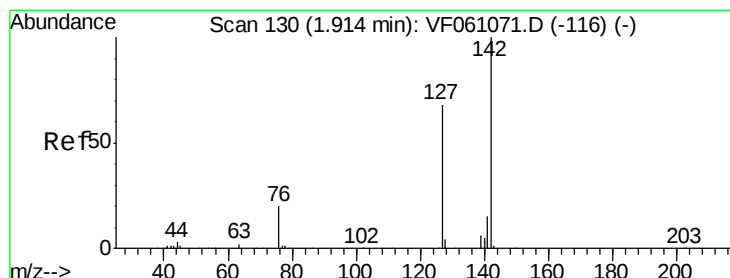
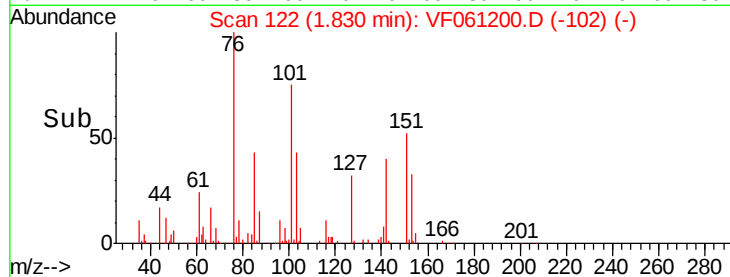
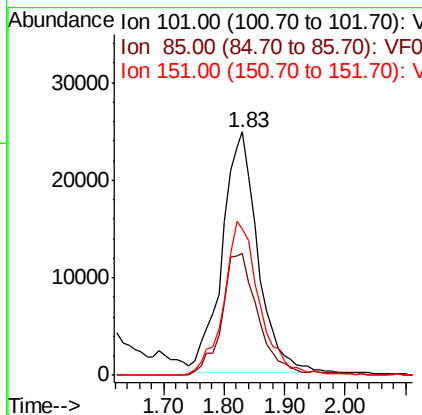
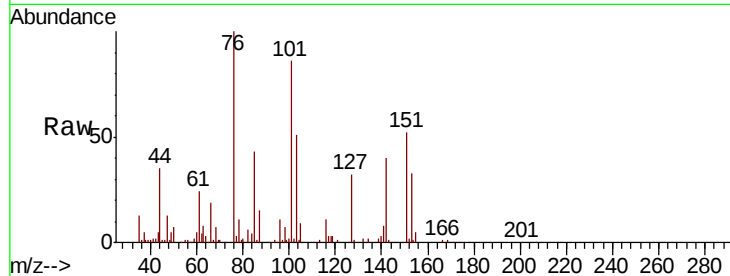
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	99940
Ion Ratio	Lower	Upper	
101	100		
85	50.0	44.5	66.7
151	60.3	49.9	74.9

Manual Integrations
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#10

Methyl Iodide

Concen: 48.792 ug/l m

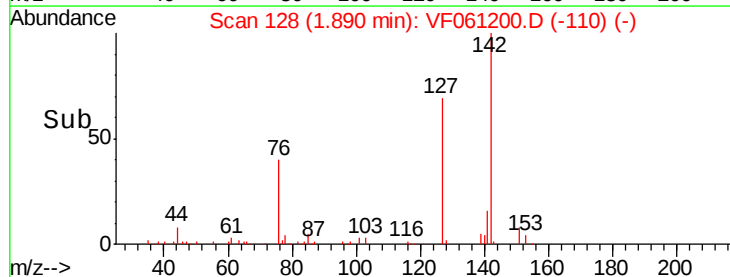
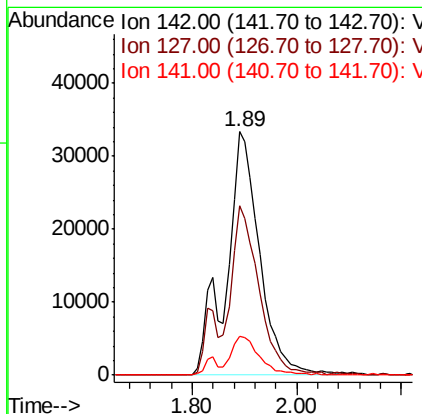
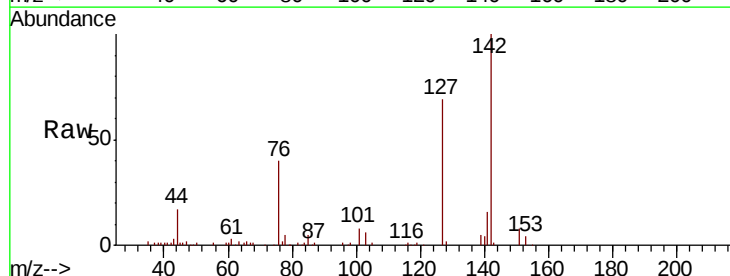
RT: 1.89 min Scan# 128

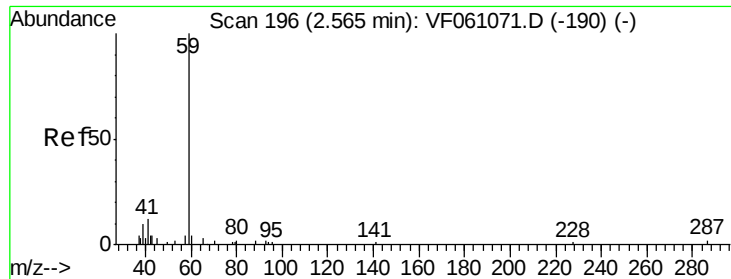
Delta R.T. -0.02 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Tgt Ion:	142	Resp:	148170
Ion Ratio	Lower	Upper	
142	100		
127	69.3	54.7	82.1
141	16.1	12.2	18.2





#11

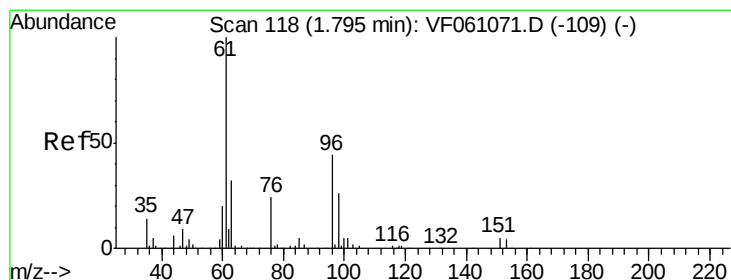
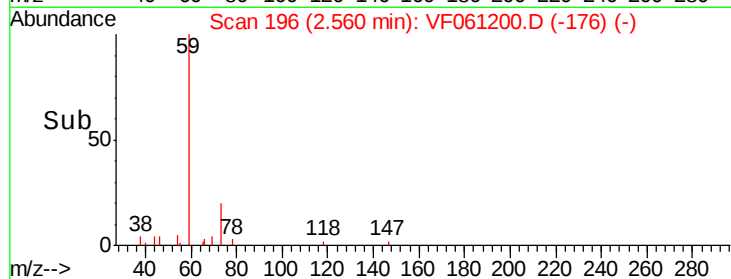
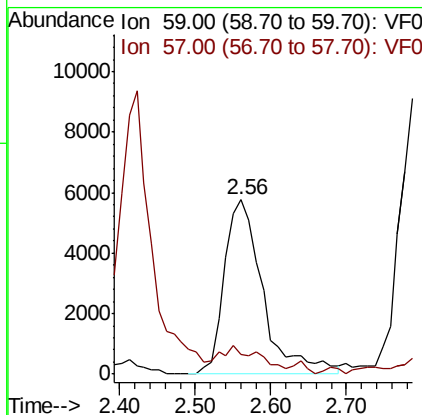
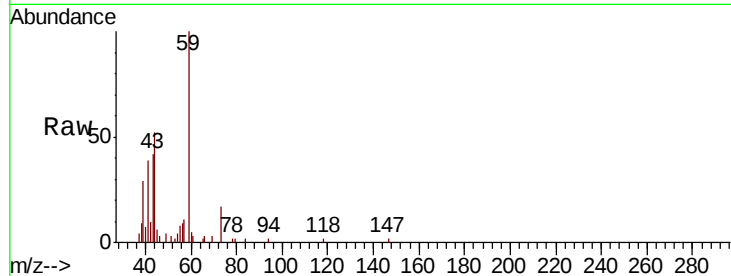
Tert butyl alcohol
 Concen: 238.875 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.00 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	20425
Ion Ratio	100	Lower	Upper
57	11.4	11.5	17.3#

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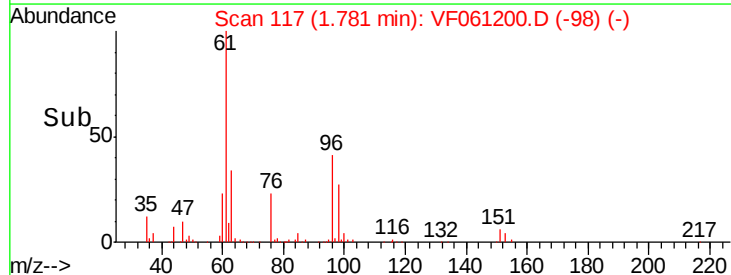
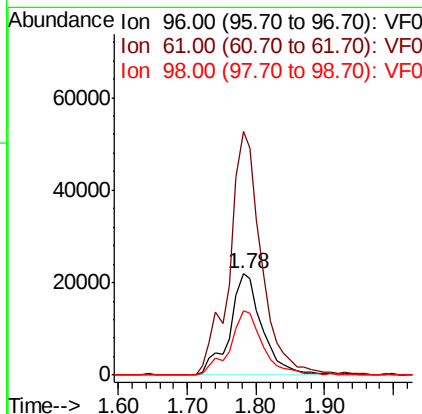
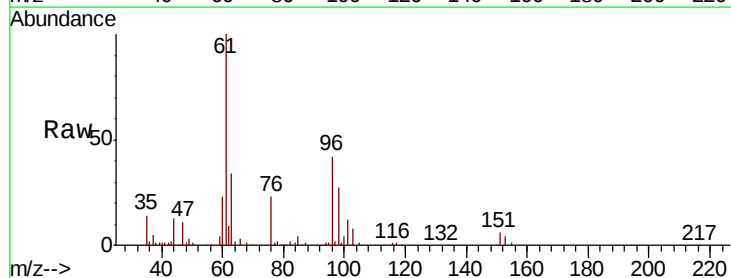
apatel
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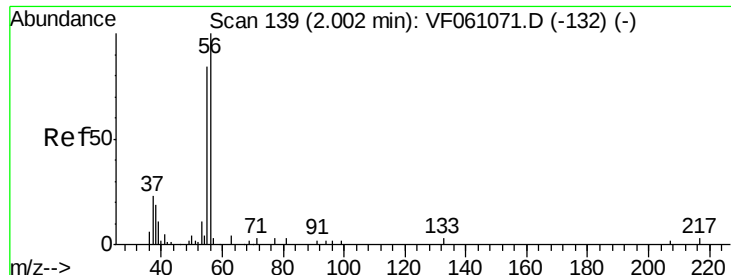


#12

1,1-Dichloroethene
 Concen: 49.295 ug/l
 RT: 1.78 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Tgt Ion	96	Resp	71586
Ion Ratio	100	Lower	Upper
61	240.5	182.0	273.0
98	63.7	46.5	69.7





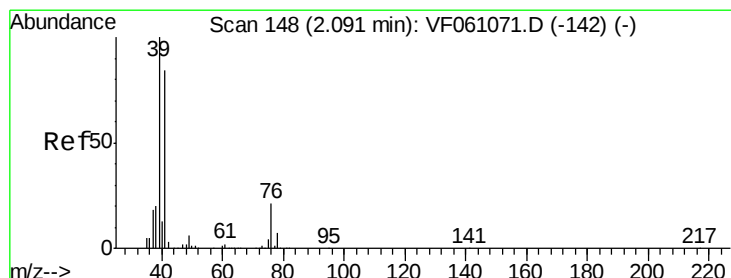
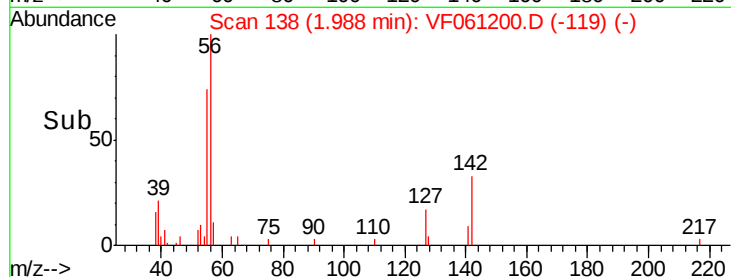
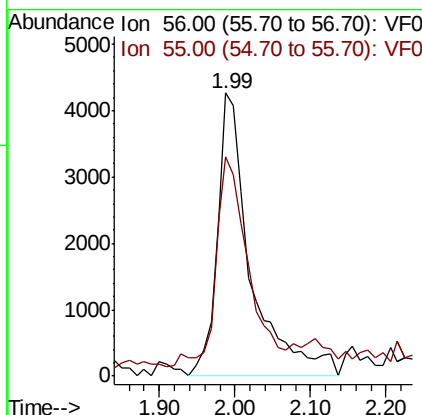
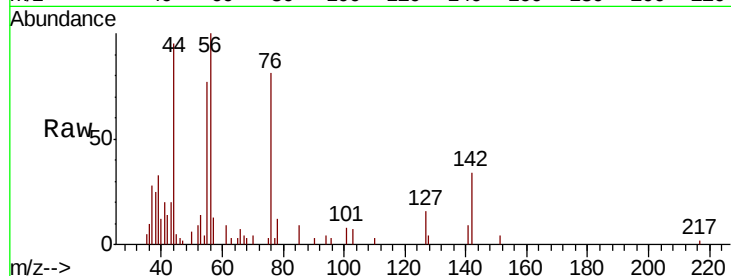
#13
Acrolein
Concen: 213.076 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 13165
Ion Ratio Lower Upper
56 100
55 77.3 70.2 105.2

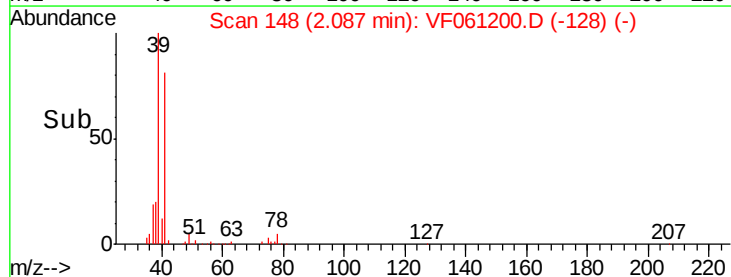
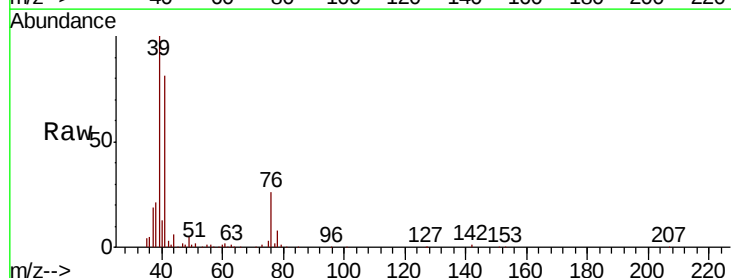
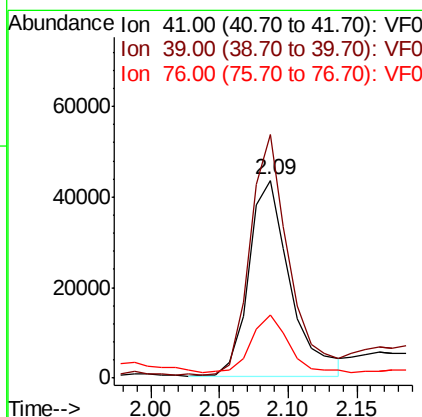
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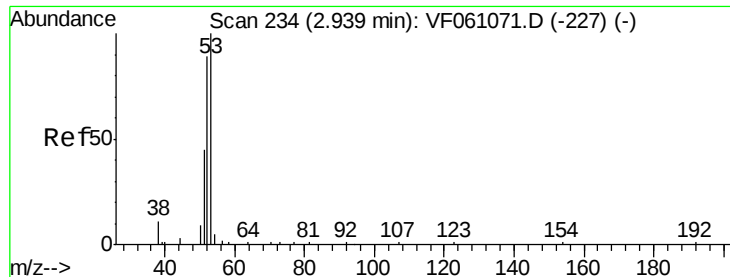
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#14
Allyl chloride
Concen: 60.129 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Tgt Ion: 41 Resp: 90870
Ion Ratio Lower Upper
41 100
39 123.2 96.4 144.6
76 31.7 25.4 38.0





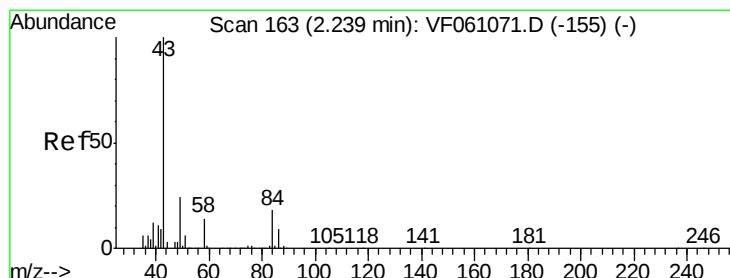
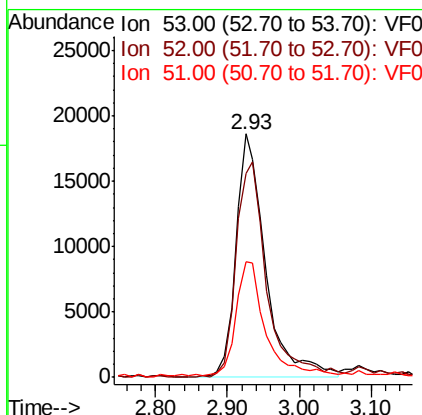
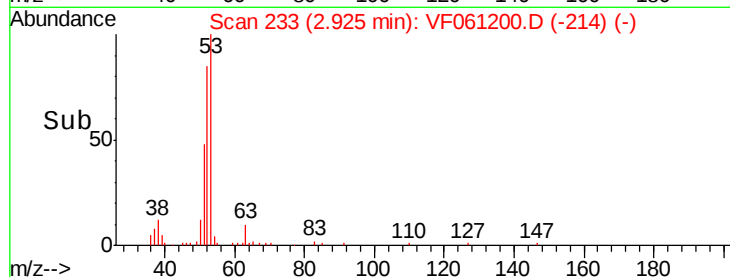
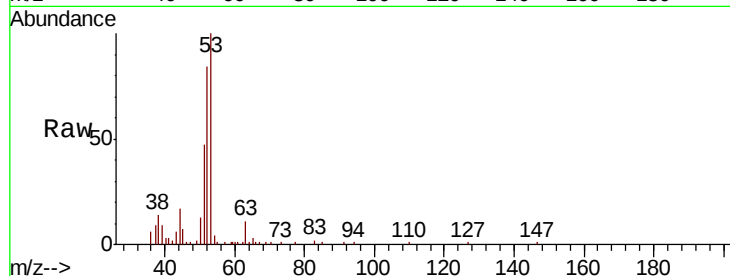
#15
 Acrylonitrile
 Concen: 270.801 ug/l
 RT: 2.93 min Scan# 233
 Delta R.T. -0.01 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Tot Ion:	53	Resp:	53543
Ion	Ratio	Lower	Upper
53	100		
52	84.0	71.3	106.9
51	47.4	36.8	55.2

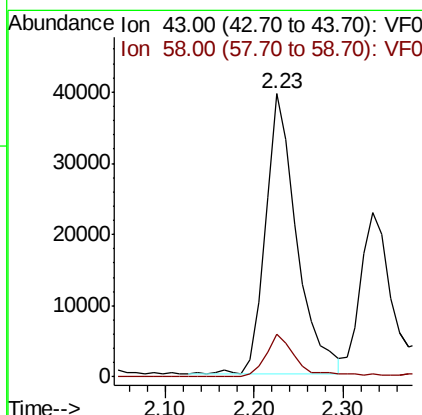
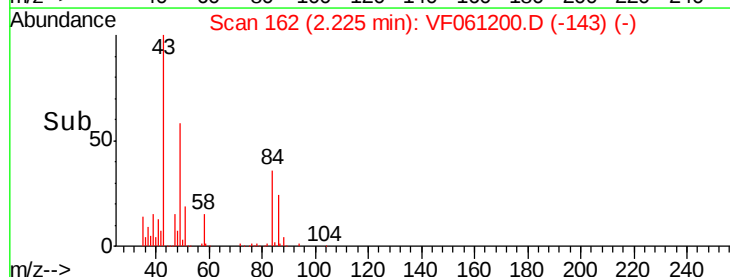
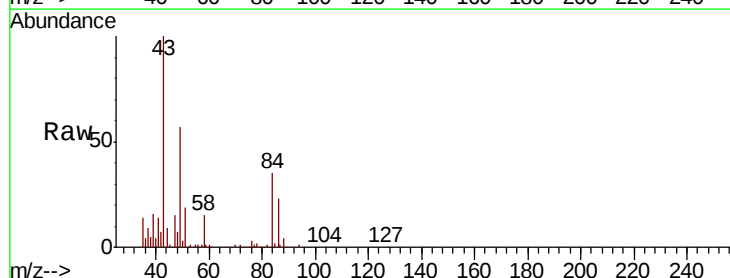
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#16
 Acetone
 Concen: 222.836 ug/l
 RT: 2.23 min Scan# 162
 Delta R.T. -0.01 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Tgt Ion:	43	Resp:	94390
Ion	Ratio	Lower	Upper
43	100		
58	15.1	11.1	16.7





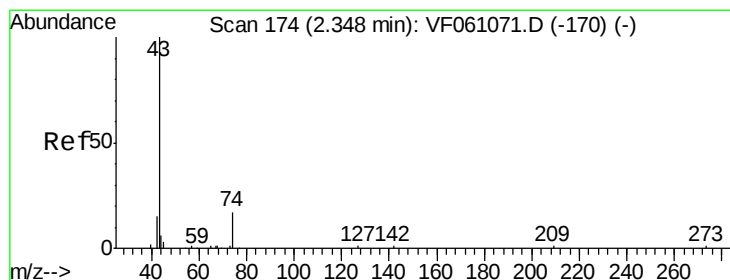
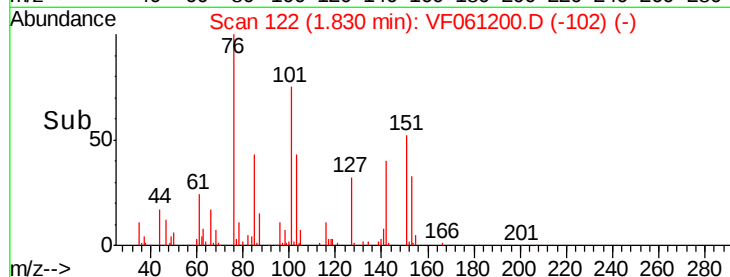
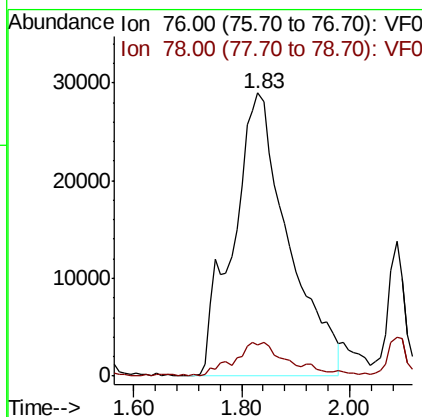
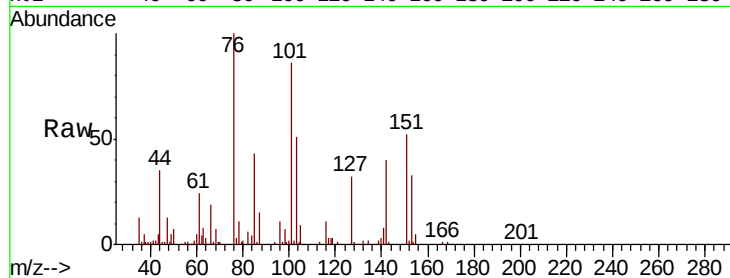
#17
Carbon Disulfide
Concen: 46.978 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.0	10.2	15.4

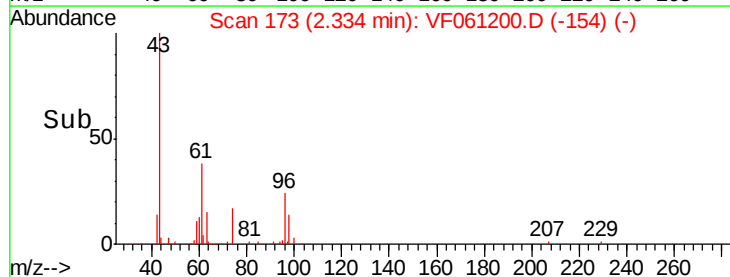
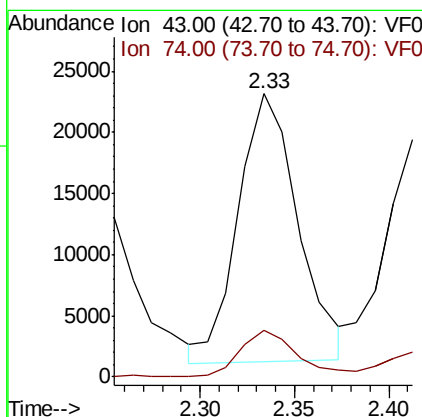
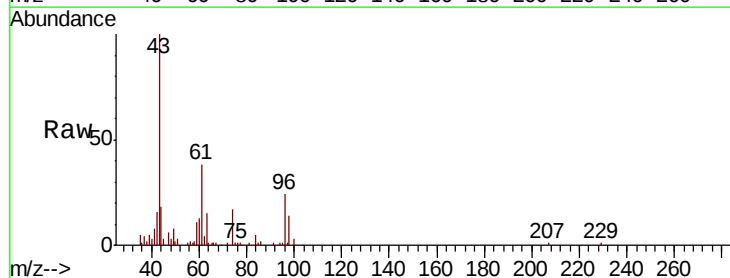
Manual Integrations
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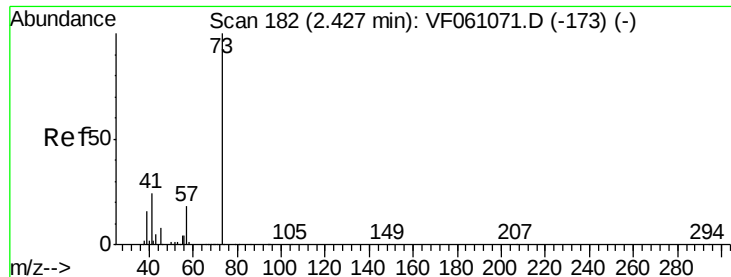
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#18
Methyl Acetate
Concen: 54.957 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.6	11.0	16.6#





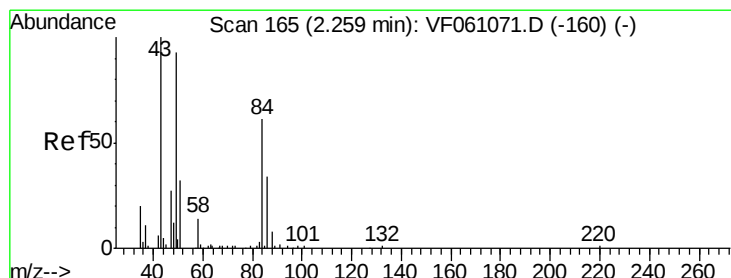
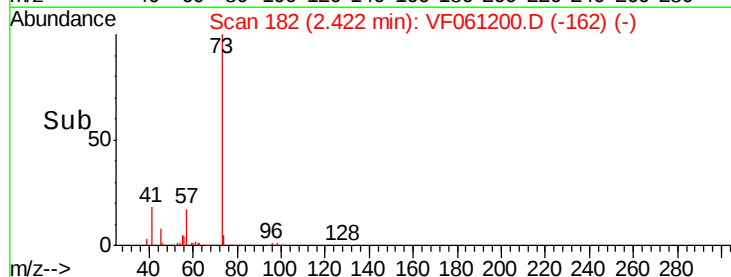
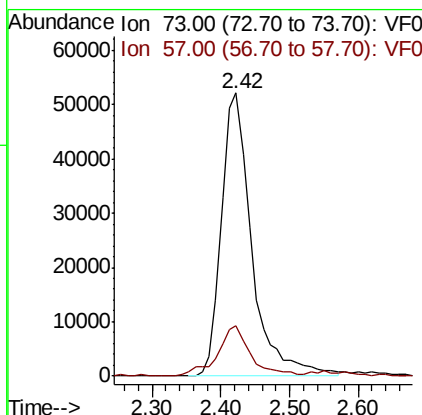
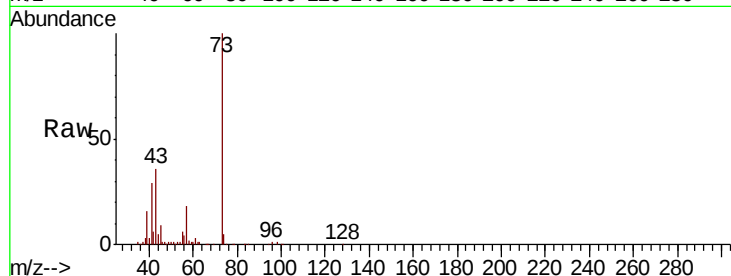
#19
Methyl tert-butyl Ether
Concen: 49.697 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.0	14.5	21.7

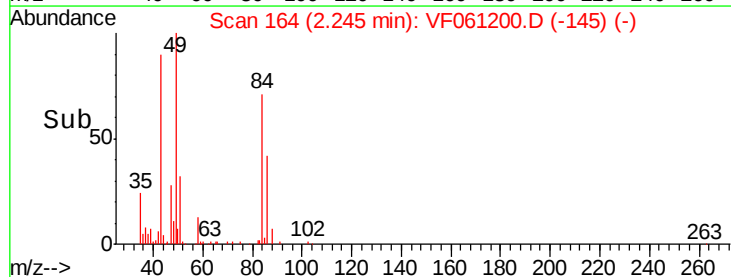
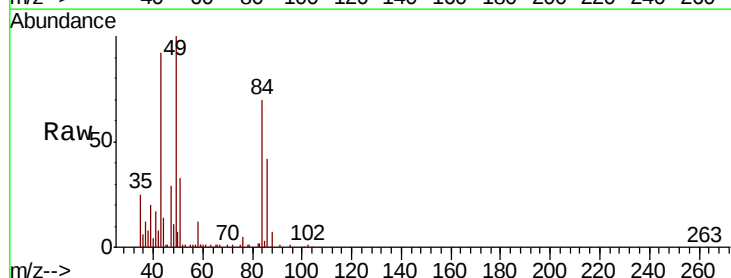
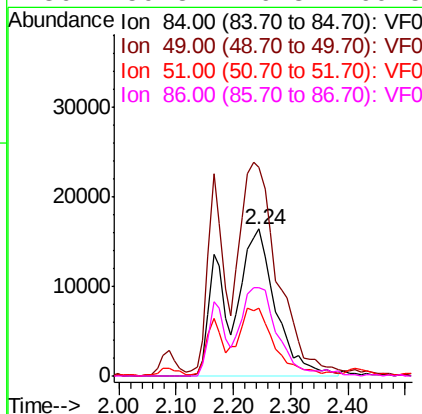
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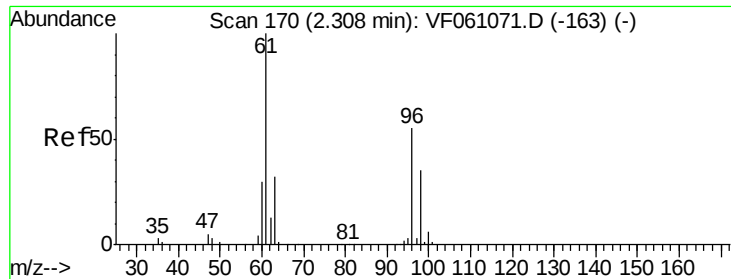
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#20
Methylene Chloride
Concen: 71.567 ug/l m
RT: 2.24 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.9	129.4	194.2
51	46.5	44.0	66.0
86	59.8	46.3	69.5





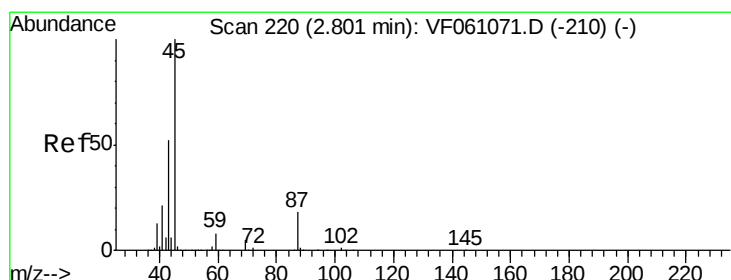
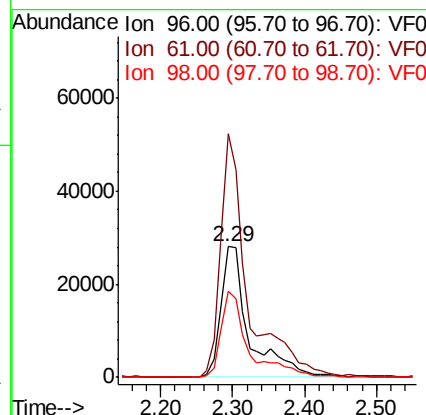
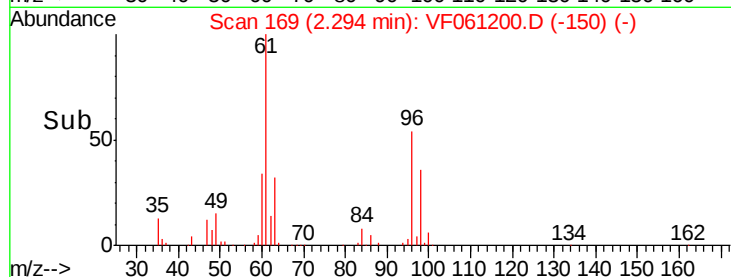
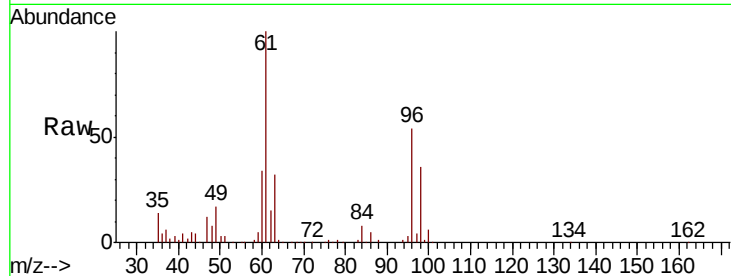
#21
trans-1,2-Dichloroethene
Concen: 49.341 ug/l
RT: 2.29 min Scan# 169
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	186.3	146.0	219.0
98	66.4	51.6	77.4

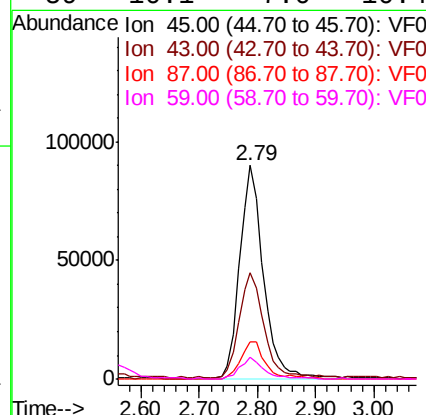
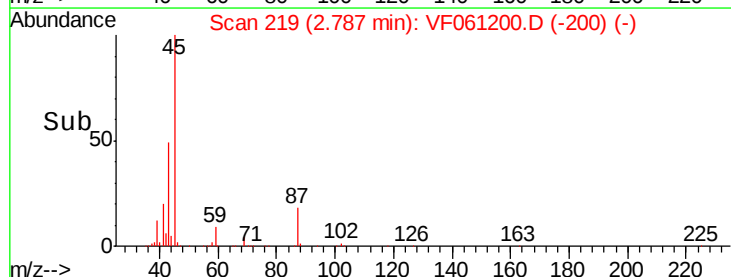
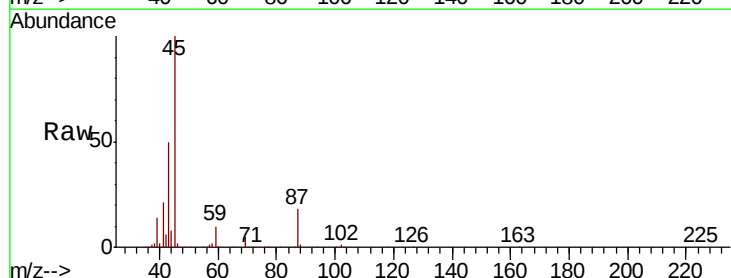
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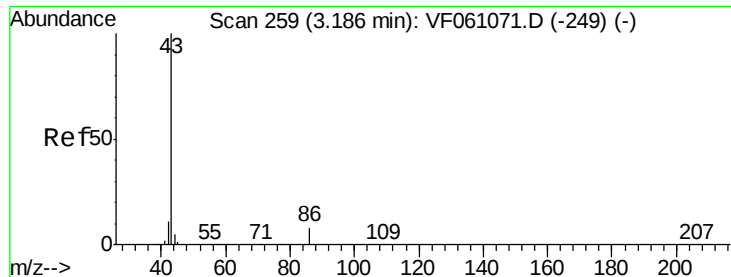
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#22
Diisopropyl ether
Concen: 50.968 ug/l
RT: 2.79 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	49.8	42.2	63.2
87	17.7	14.6	22.0
59	10.1	7.0	10.4





#23

Vinyl Acetate

Concen: 274.018 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 636353

Ion Ratio Lower Upper

43 100

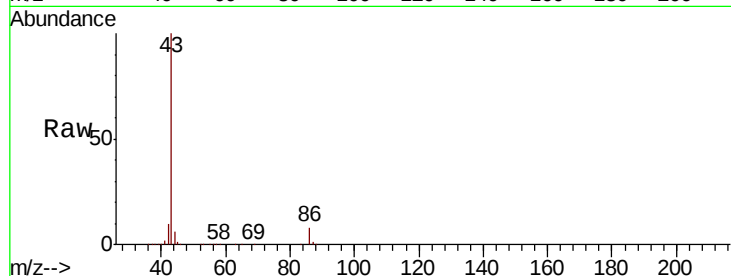
86 7.5 6.3 9.5

Manual Integrations

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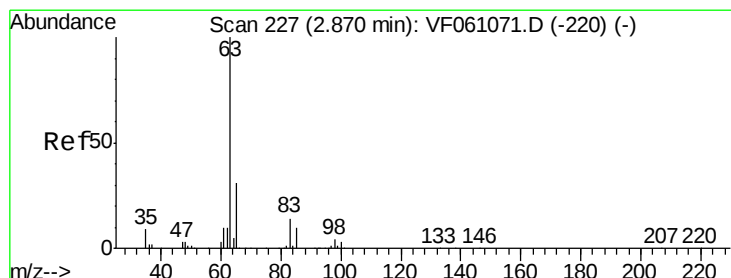
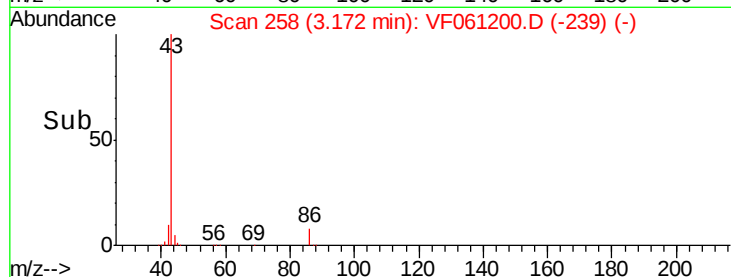
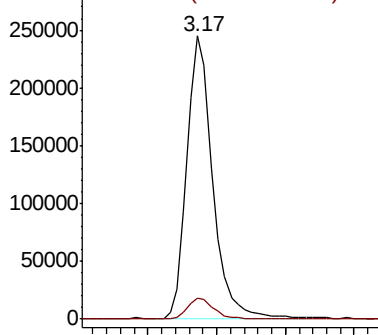
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 50.387 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

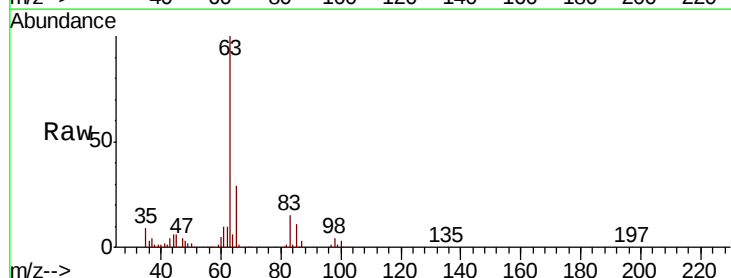
Tgt Ion: 63 Resp: 150285

Ion Ratio Lower Upper

63 100

98 3.7 2.1 6.5

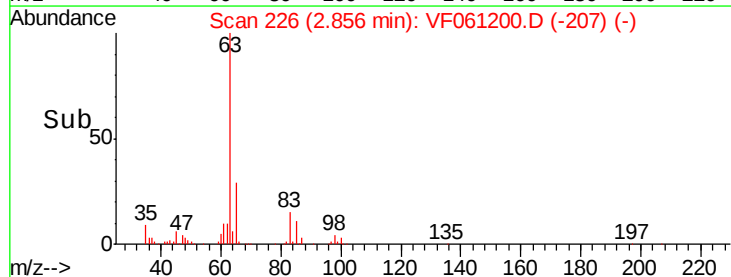
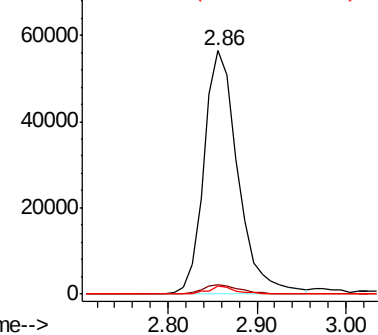
100 3.2 1.7 5.1

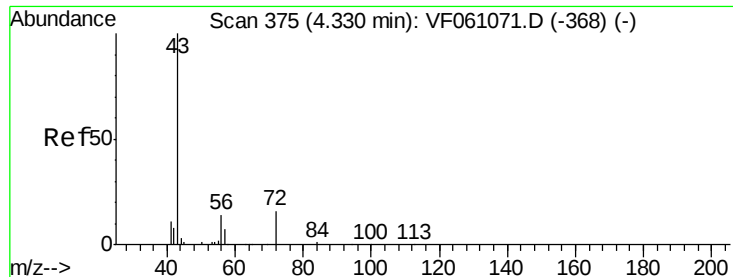


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 260.089 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 178674

Ion Ratio Lower Upper

43 100

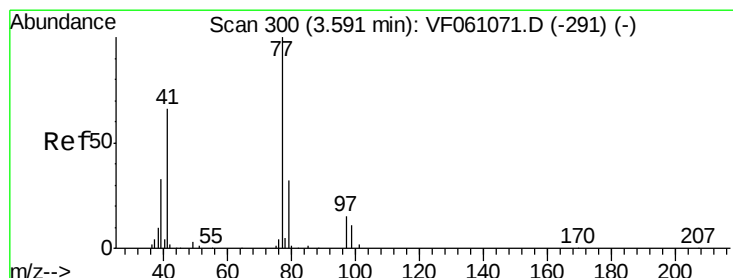
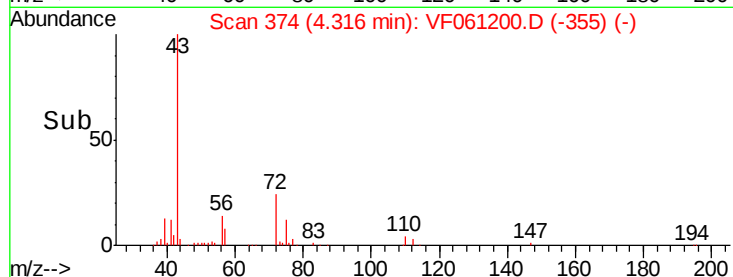
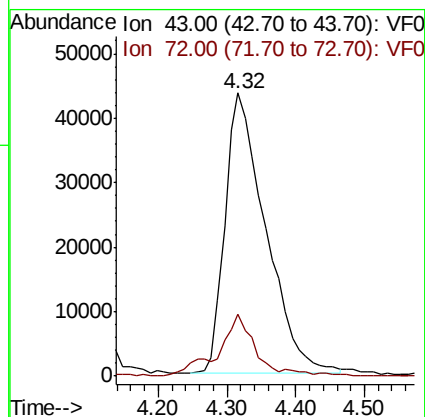
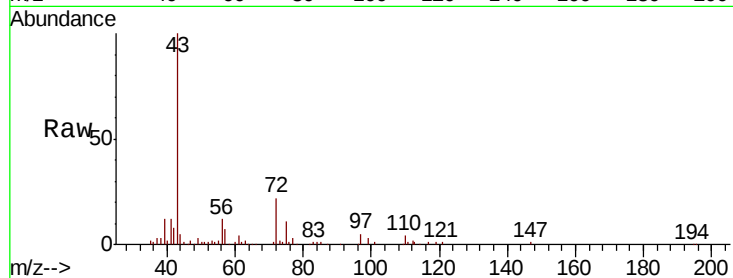
72 21.8 15.6 23.4

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#26

2,2-Dichloropropane

Concen: 53.888 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061200.D

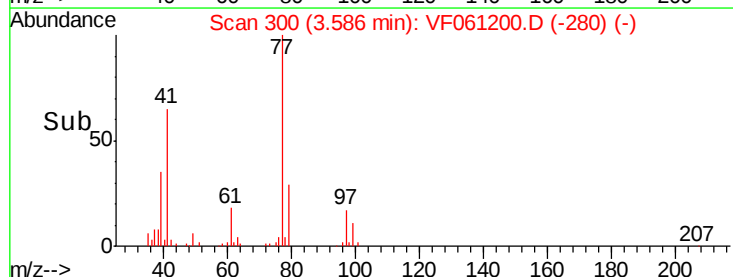
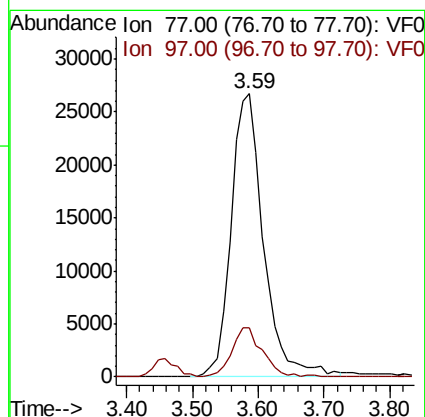
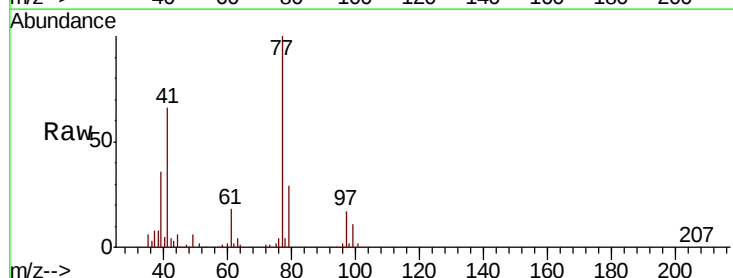
Acq: 26 Dec 2018 20:54

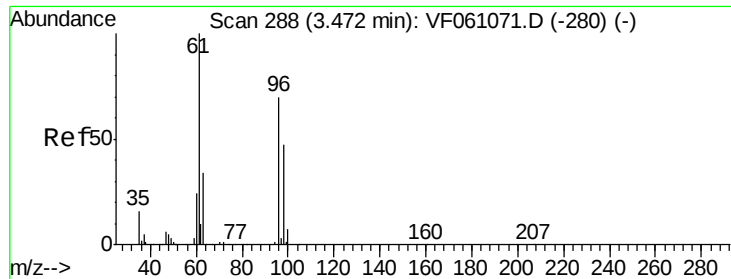
Tgt Ion: 77 Resp: 92238

Ion Ratio Lower Upper

77 100

97 17.1 8.2 24.4





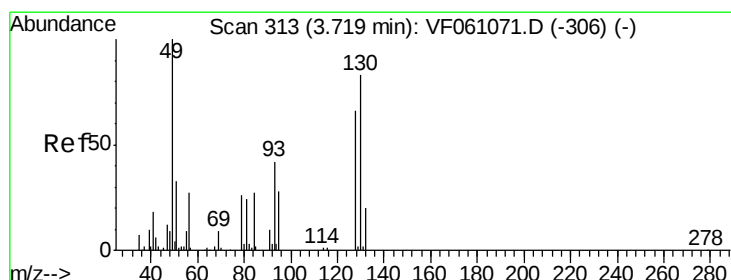
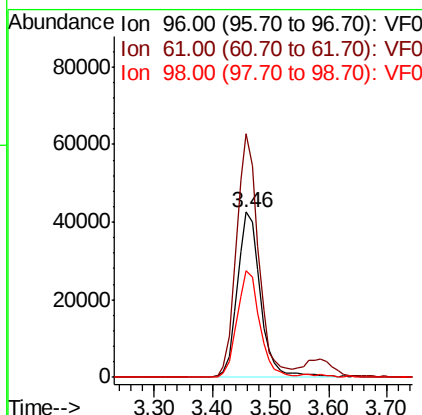
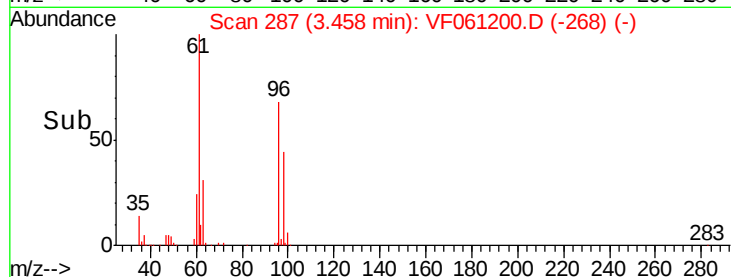
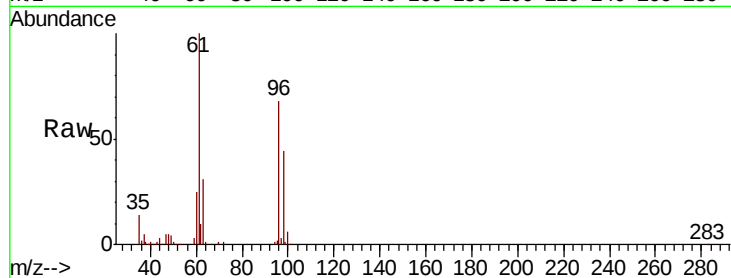
#27
 cis-1,2-Dichloroethene
 Concen: 49.558 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.6	0.0	287.8	
98	64.8	0.0	134.2	

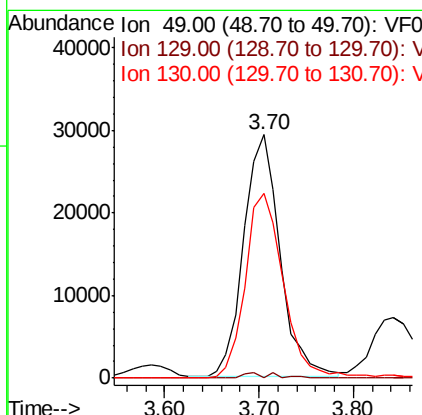
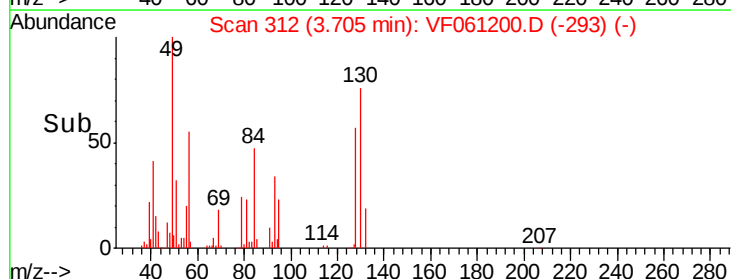
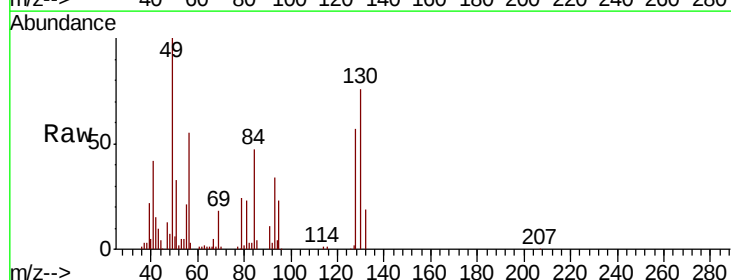
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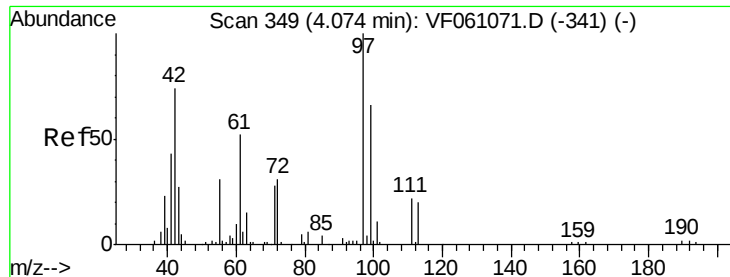
apatel
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#28
 Bromochloromethane
 Concen: 51.685 ug/l
 RT: 3.70 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	3.6	
130	76.0	65.8	98.6	





#29

Tetrahydrofuran

Concen: 271.275 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.02 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

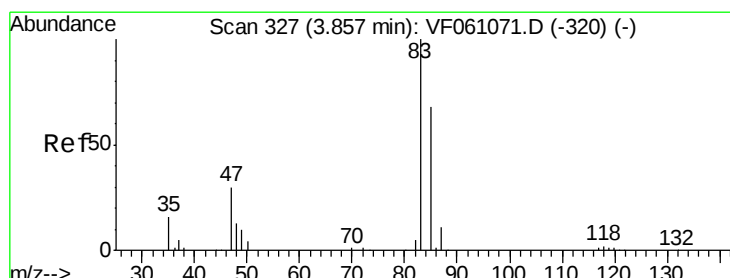
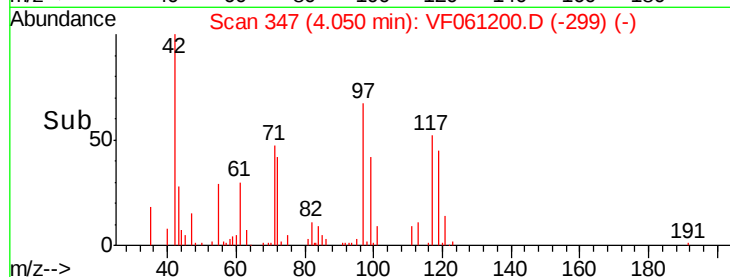
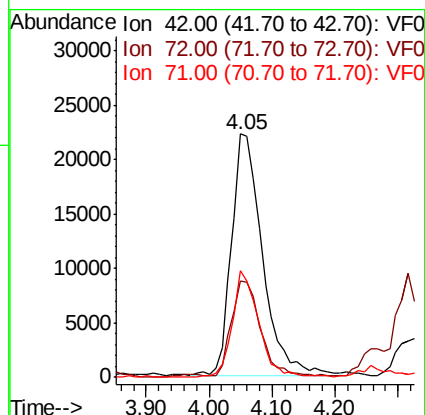
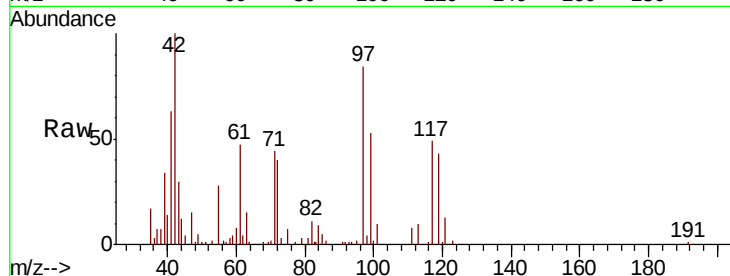
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	75850
Ion	Ratio	Lower	Upper
42	100		
72	37.7	31.8	47.8
71	37.3	29.7	44.5

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#30

Chloroform

Concen: 52.920 ug/l

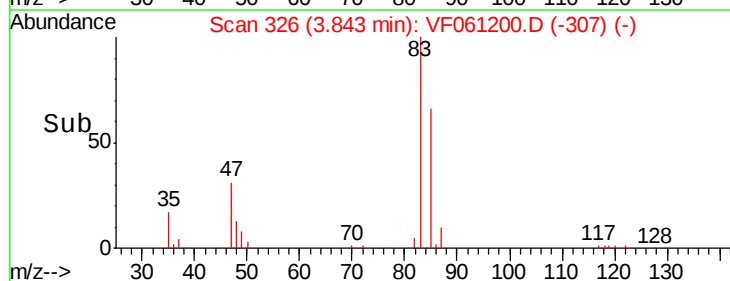
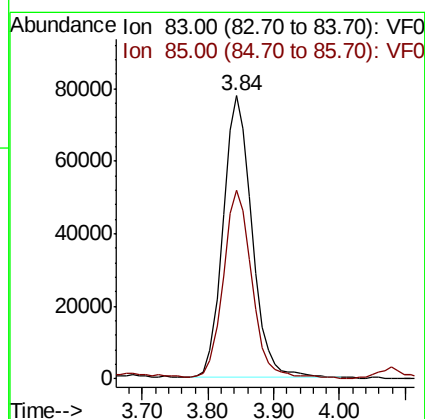
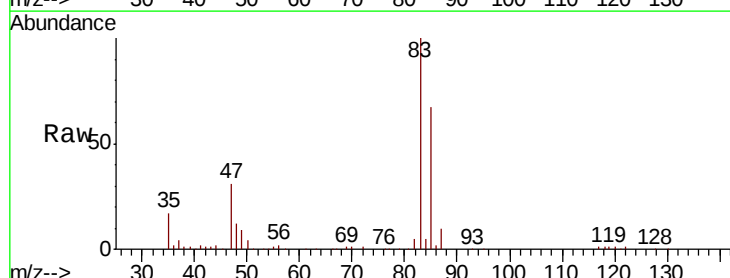
RT: 3.84 min Scan# 326

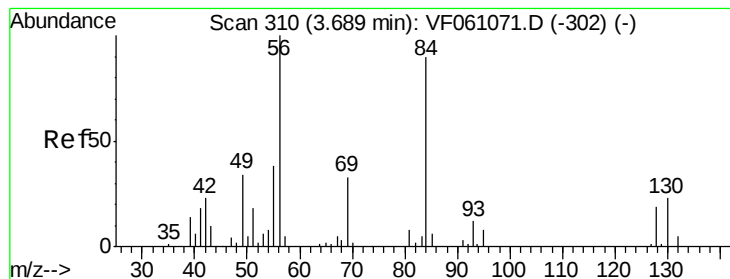
Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Tgt Ion:	83	Resp:	236672
Ion	Ratio	Lower	Upper
83	100		
85	66.6	54.5	81.7





#31

Cyclohexane

Concen: 51.618 ug/l m

RT: 3.68 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 159757

Ion Ratio Lower Upper

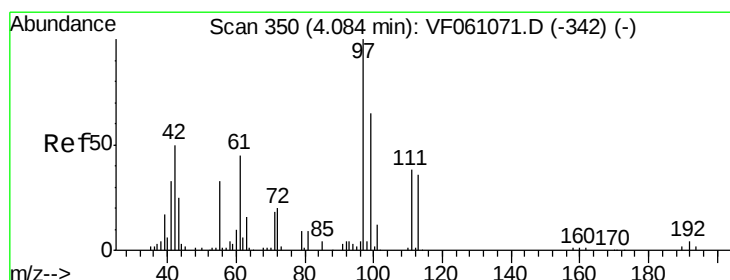
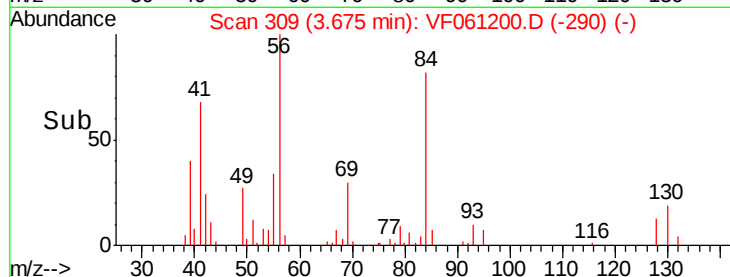
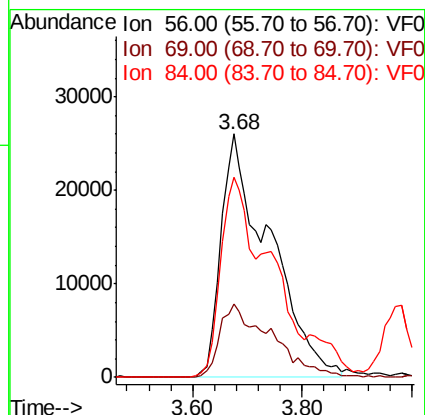
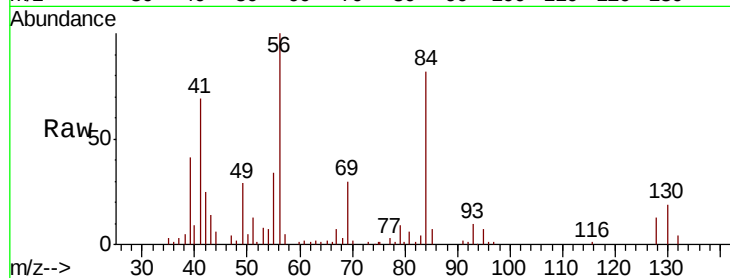
56 100

69 30.4 26.0 39.0

84 82.3 71.4 107.2

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#32

1,1,1-Trichloroethane

Concen: 55.286 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.00 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

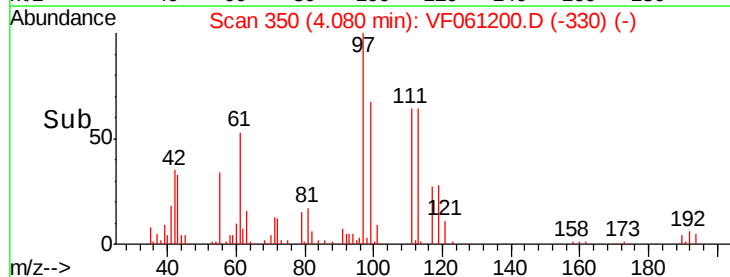
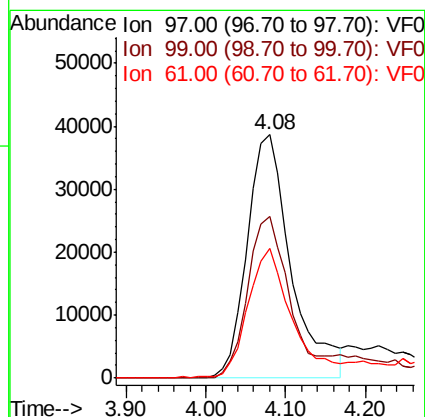
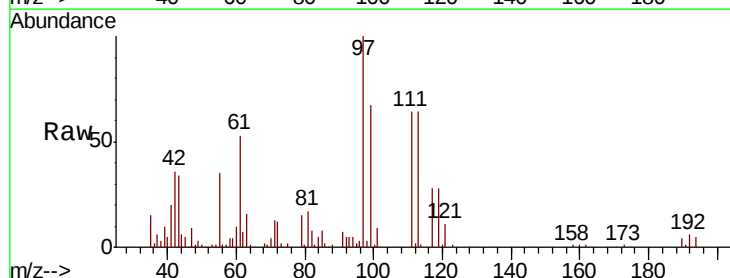
Tgt Ion: 97 Resp: 148199

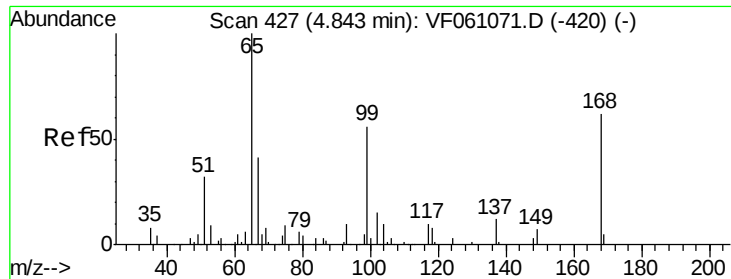
Ion Ratio Lower Upper

97 100

99 66.6 51.6 77.4

61 53.1 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 50.217 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 106403

Ion Ratio Lower Upper

65 100

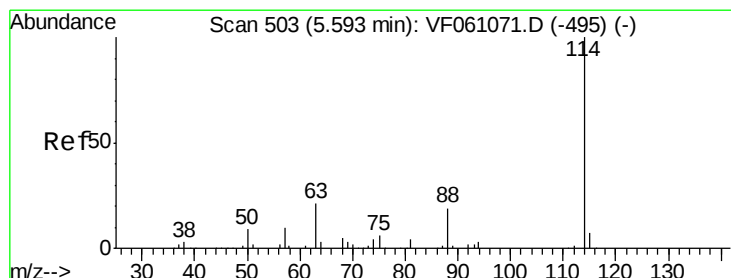
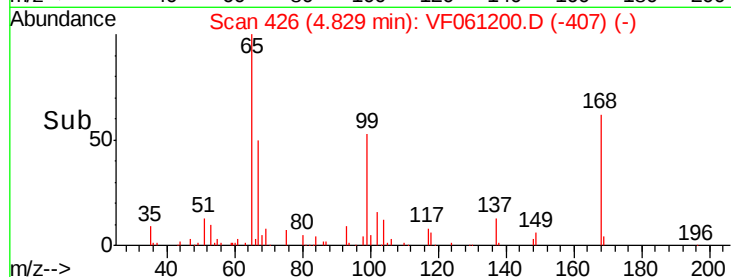
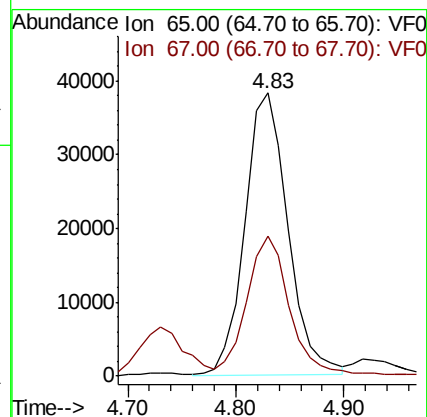
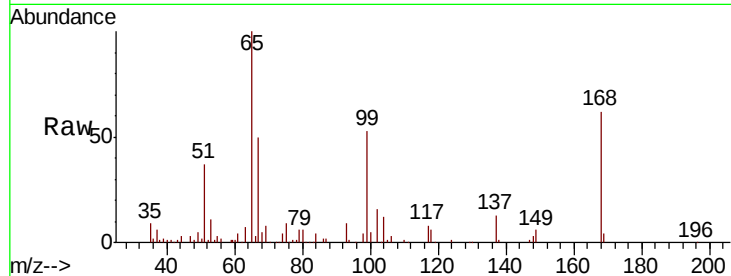
67 49.6 0.0 94.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

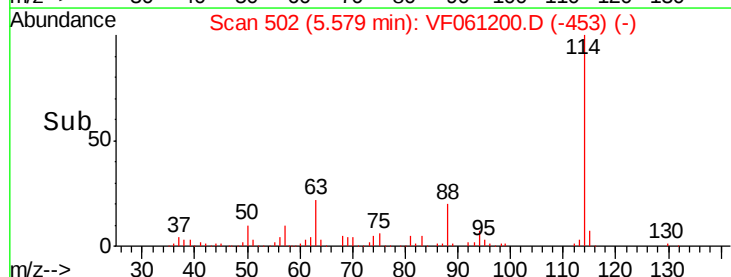
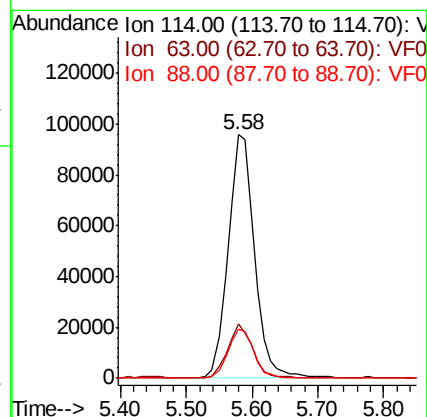
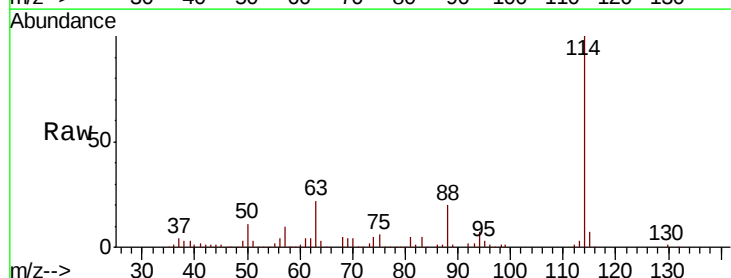
Tgt Ion: 114 Resp: 268983

Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.6

88 20.4 0.0 38.0





#35

Dibromofluoromethane

Concen: 51.374 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

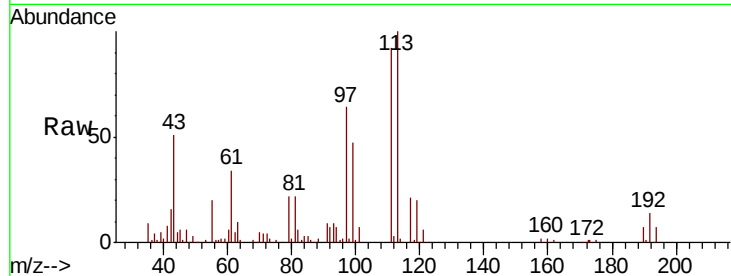
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	110696
Ion Ratio	Lower	Upper	
113	100		
111	92.3	85.2	127.8
192	13.5	12.8	19.2

Manual Integrations
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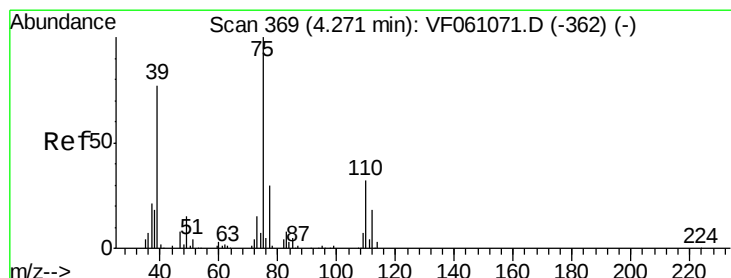
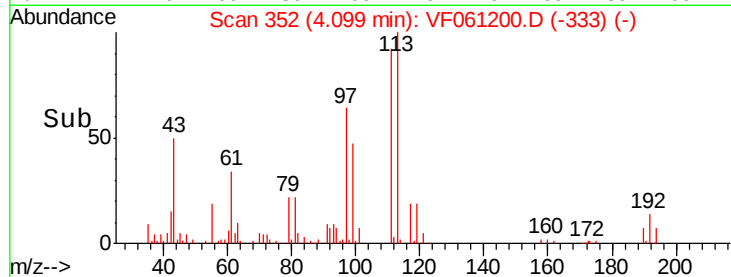
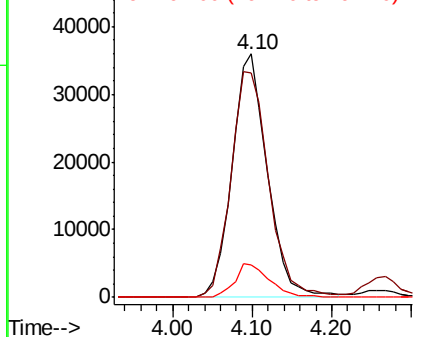


Abundance

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: 51.427 ug/l

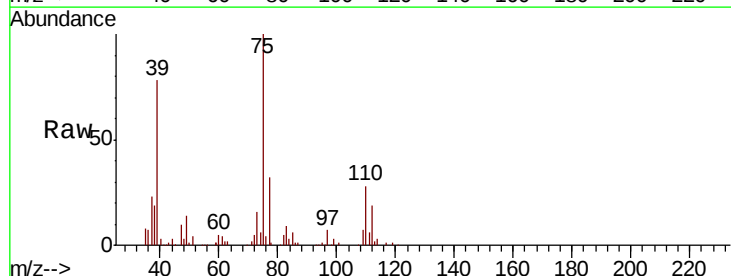
RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Tgt Ion:	75	Resp:	166974
Ion Ratio	Lower	Upper	
75	100		
110	27.5	16.1	48.2
77	32.3	24.5	36.7

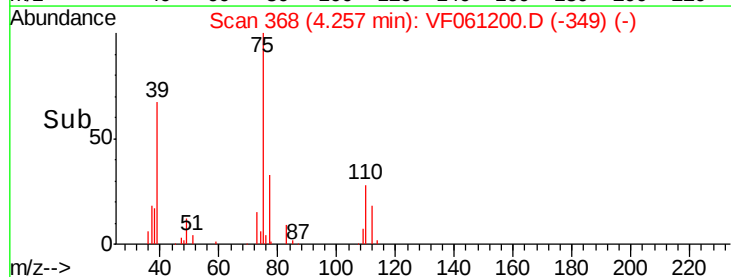
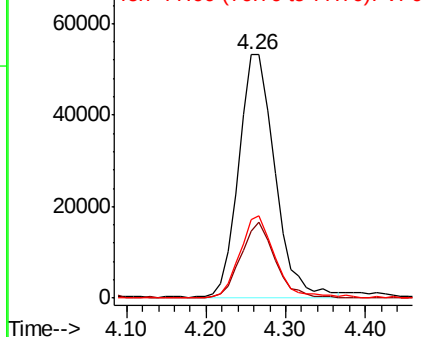


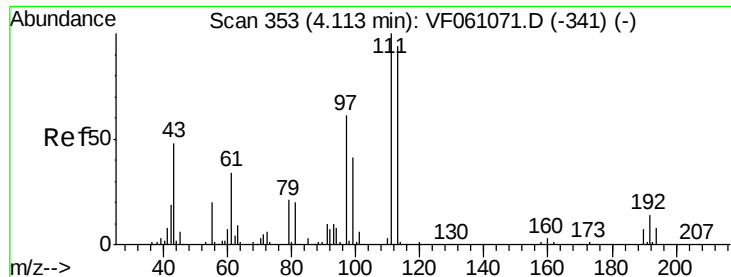
Abundance

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





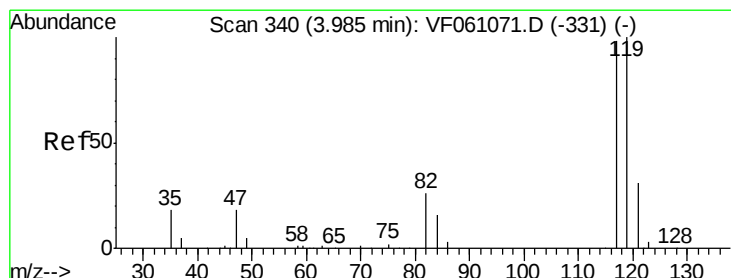
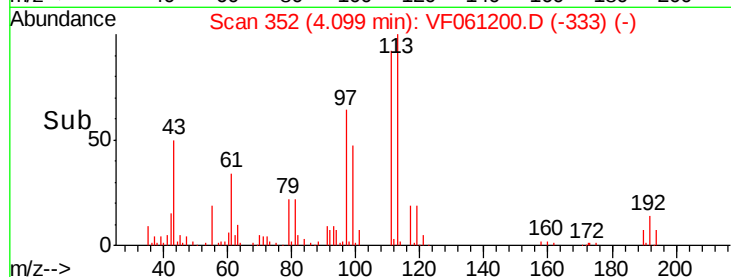
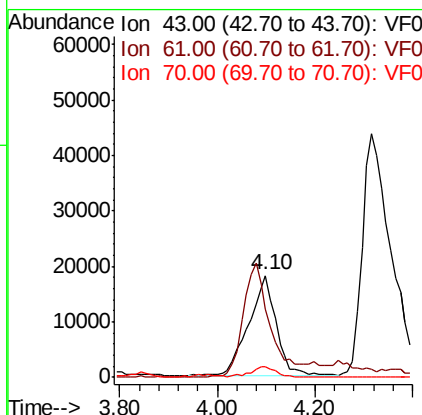
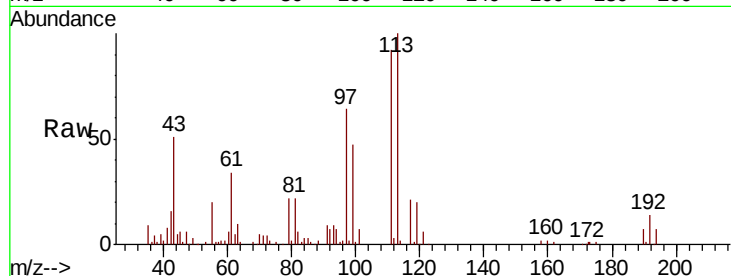
#37
Ethyl Acetate
Concen: 59.014 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	67.2	56.6	84.8
70	10.6	6.3	9.5

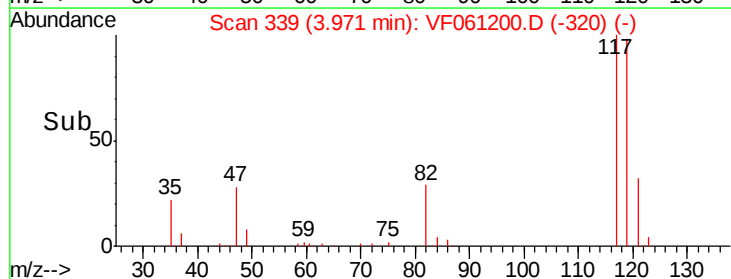
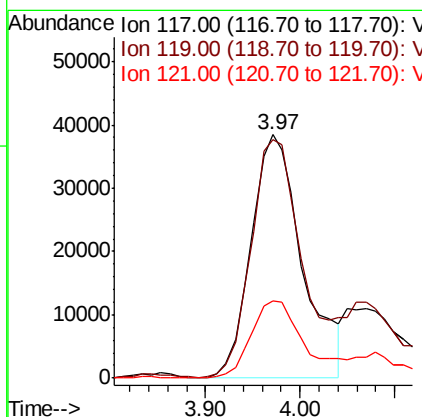
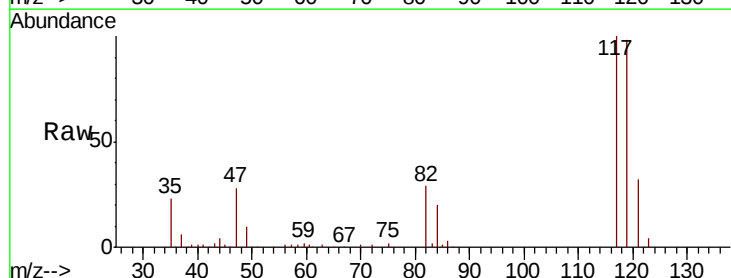
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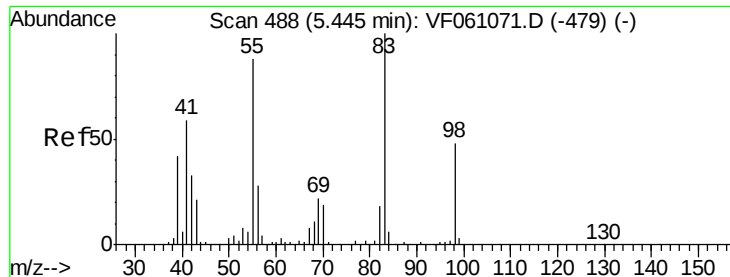
apatel
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#38
Carbon Tetrachloride
Concen: 58.130 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	82.1	123.1
121	31.5	25.5	38.3





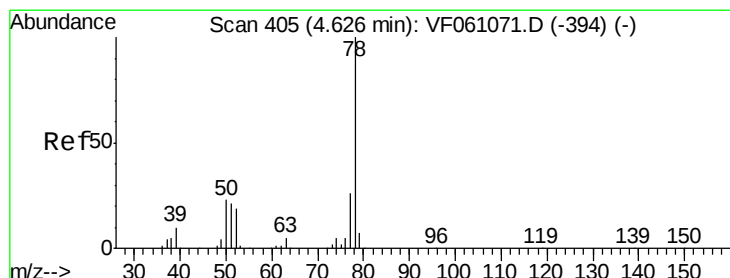
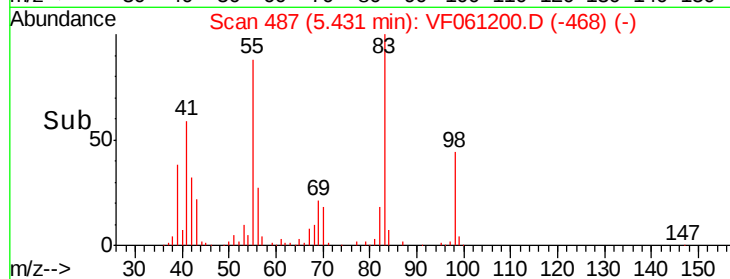
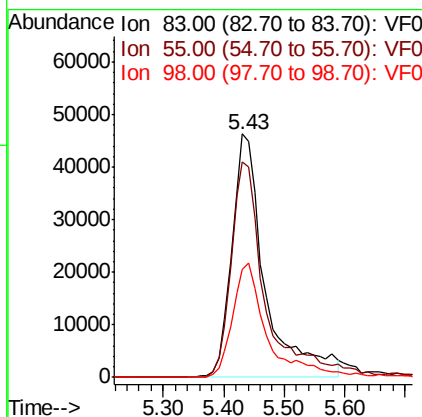
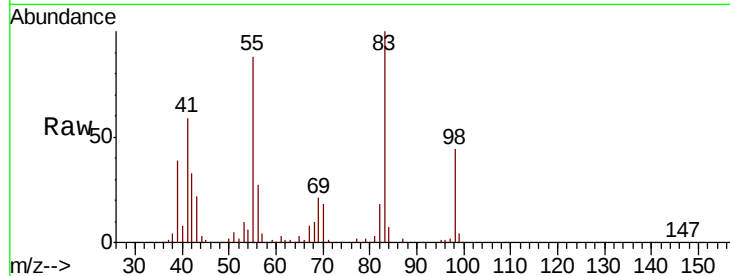
#39
Methvlcvclohexane
Concen: 61.141 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.3	70.6	105.8
98	44.2	38.5	57.7

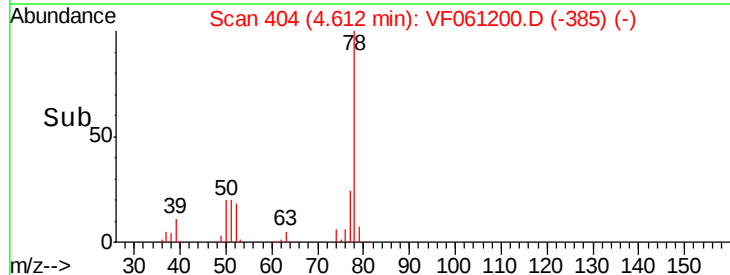
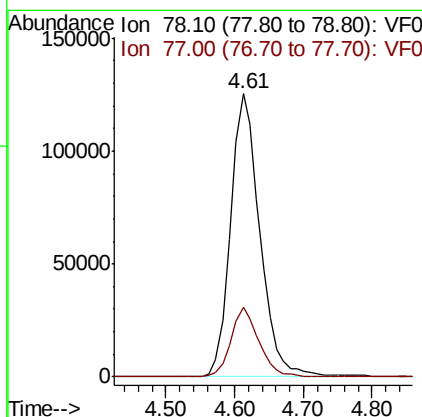
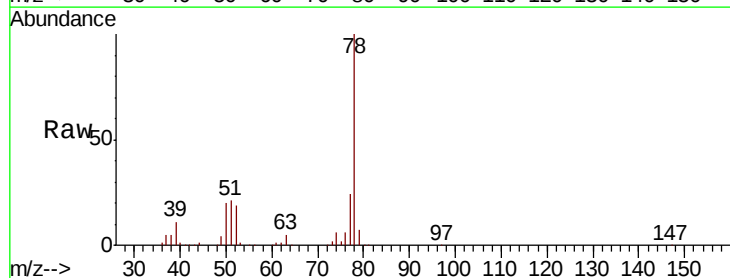
Manual Integrations
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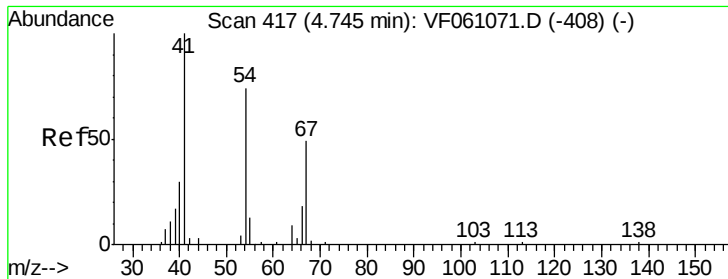
apatel
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#40
Benzene
Concen: 52.770 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	20.7	31.1





#41

Methacrylonitrile

Concen: 53.556 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 36723

Ion Ratio Lower Upper

41 100

39 63.3 45.7 68.5

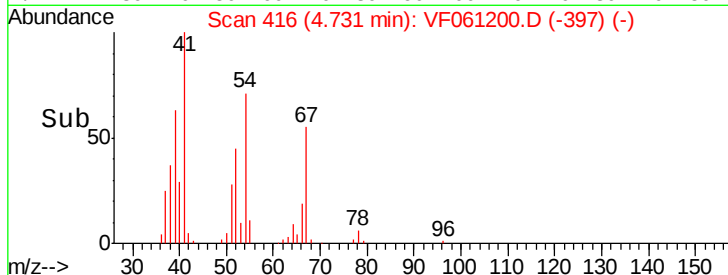
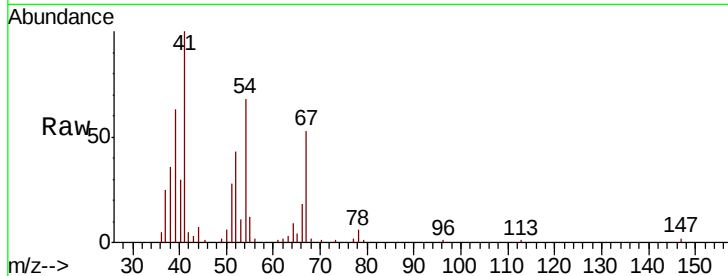
67 53.2 38.9 58.3

52 43.3 35.2 52.8

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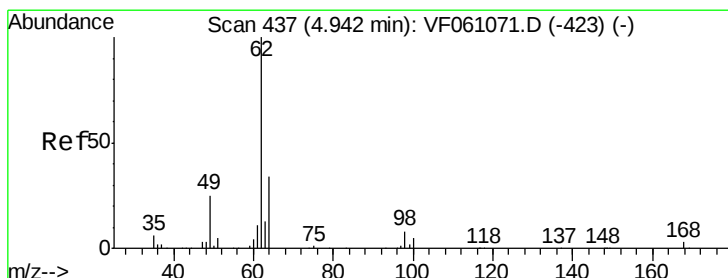
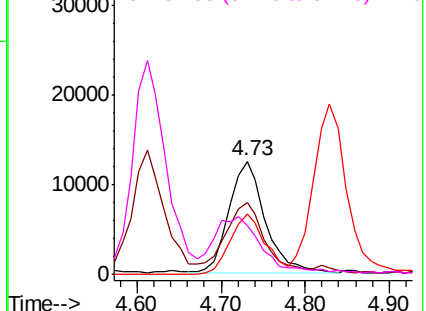


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 54.370 ug/l

RT: 4.93 min Scan# 436

Delta R.T. -0.01 min

Lab File: VF061200.D

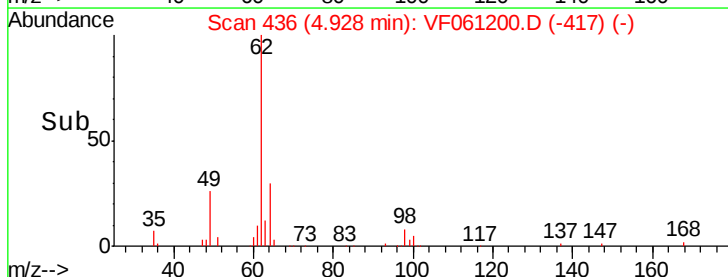
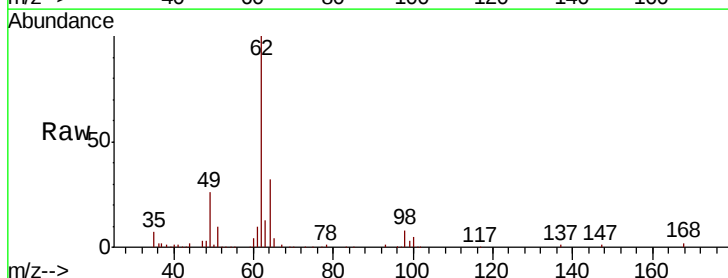
Acq: 26 Dec 2018 20:54

Tgt Ion: 62 Resp: 144214

Ion Ratio Lower Upper

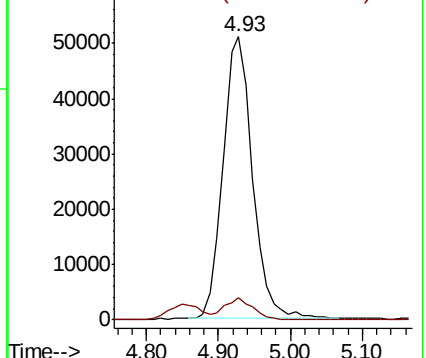
62 100

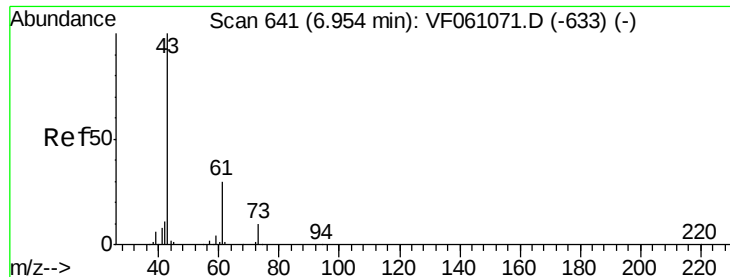
98 7.7 0.0 16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





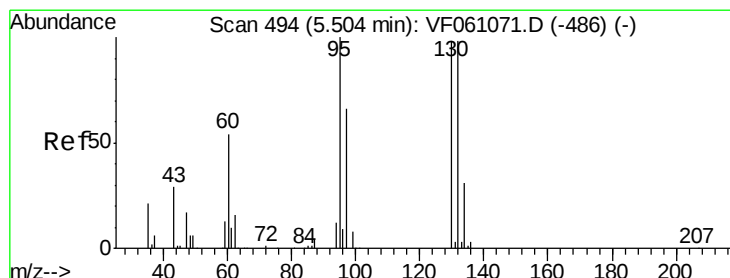
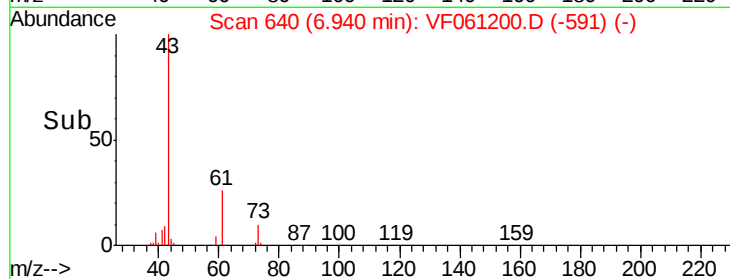
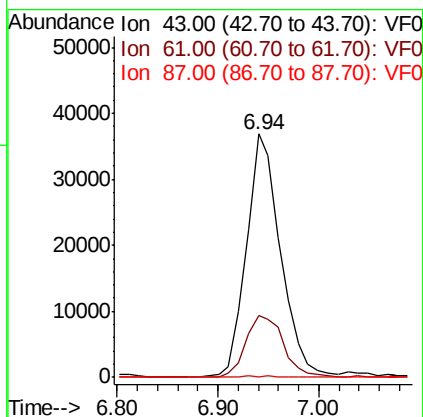
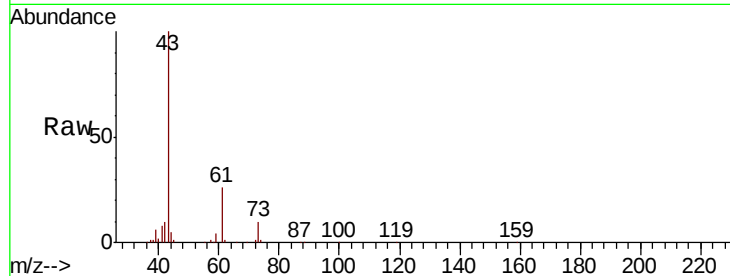
#43
Isopropyl Acetate
Concen: 55.718 ug/l
RT: 6.94 min Scan# 640
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	23.8	35.8
87	0.3	0.0	0.0#

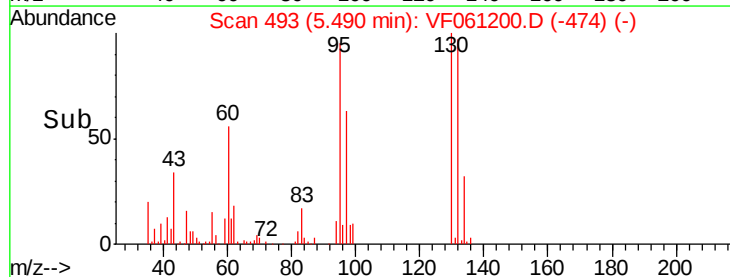
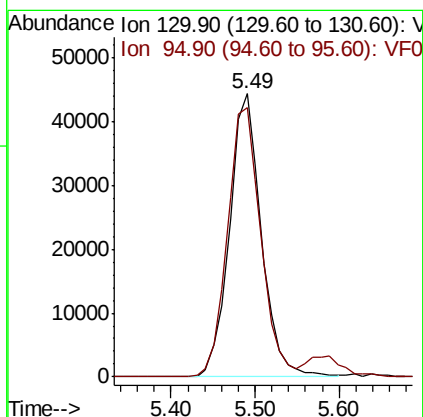
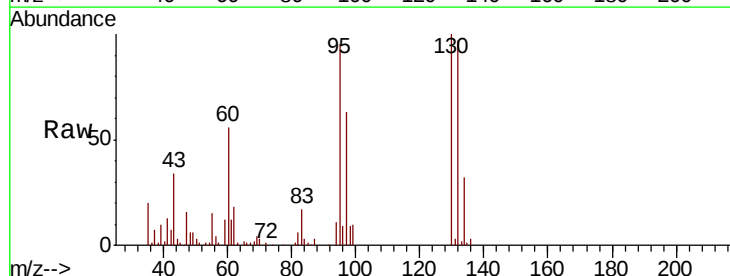
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#44
Trichloroethene
Concen: 53.032 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	205.2





#45

1,2-Dichloropropane

Concen: 51.740 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 98287

Ion Ratio Lower Upper

63 100

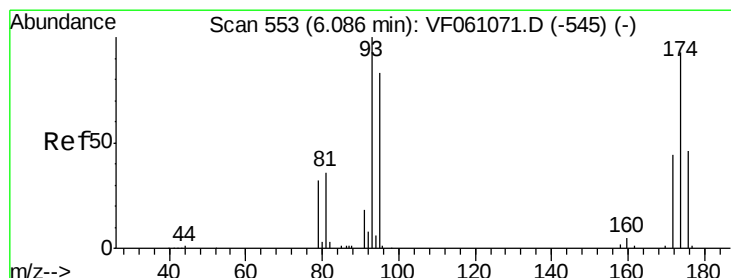
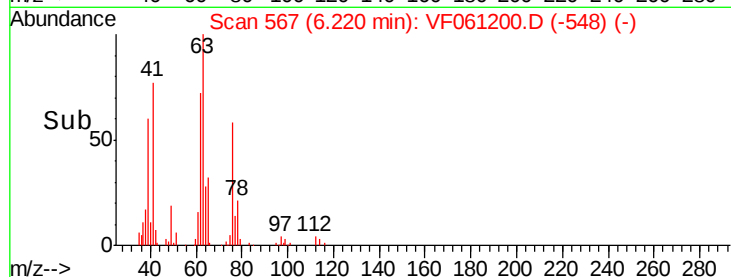
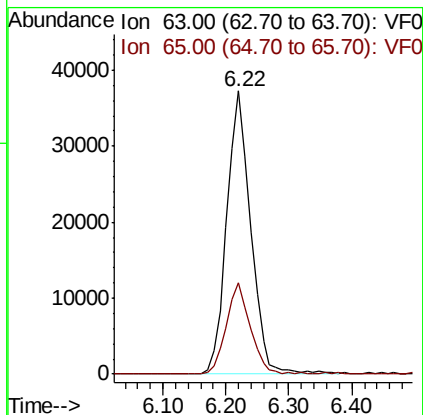
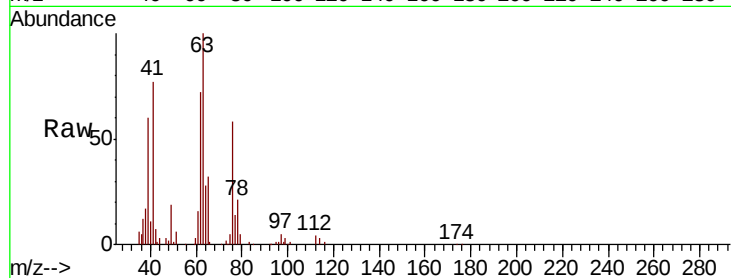
65 32.4 24.4 36.6

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#46

Dibromomethane

Concen: 58.076 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

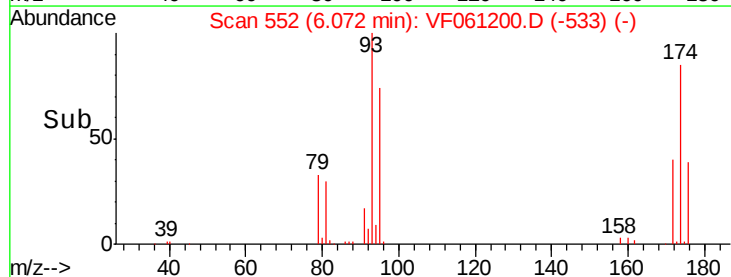
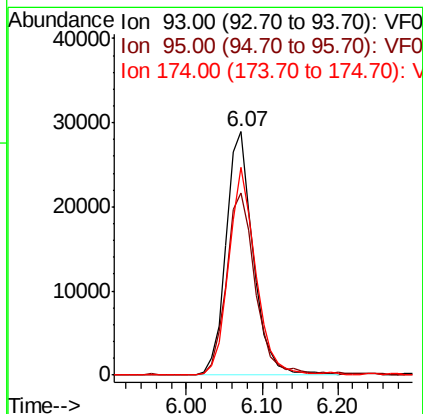
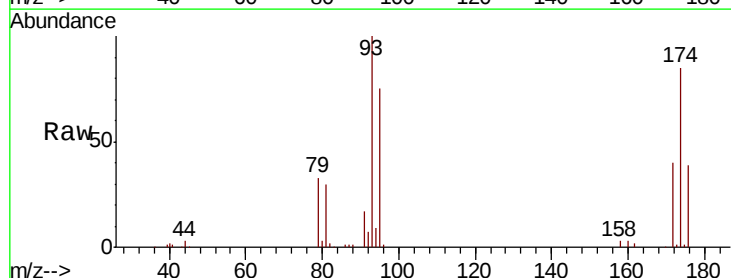
Tgt Ion: 93 Resp: 71555

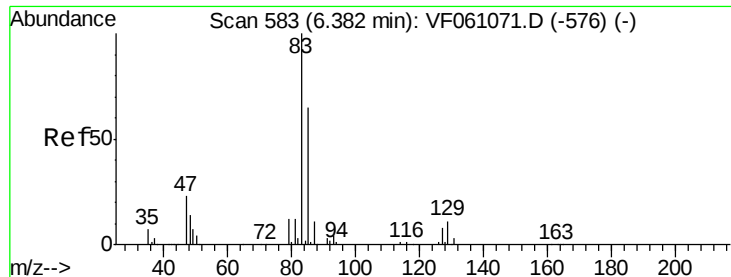
Ion Ratio Lower Upper

93 100

95 74.6 66.9 100.3

174 85.4 74.1 111.1





#47

Bromodichloromethane

Concen: 55.165 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

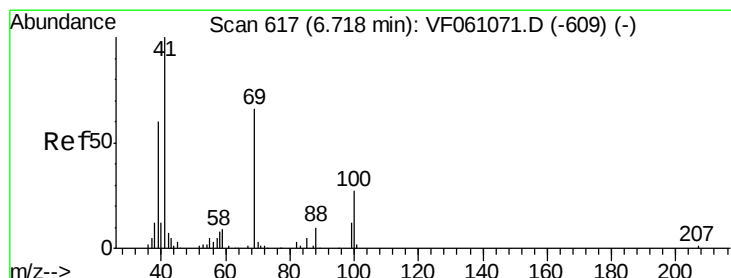
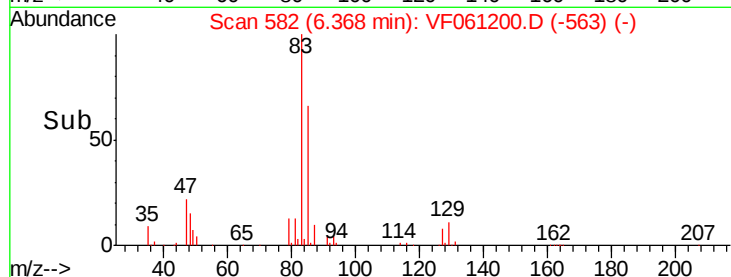
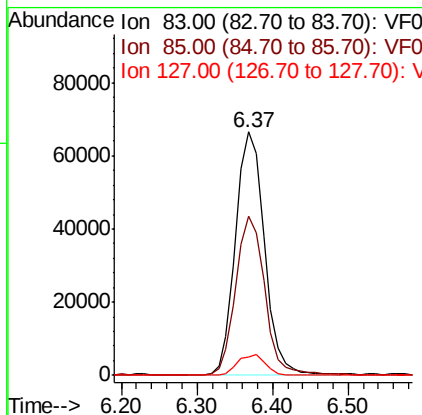
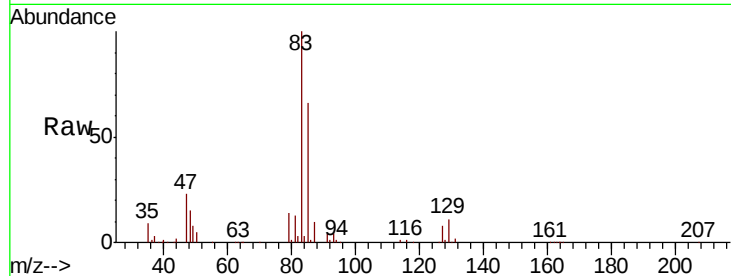
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	176600
Ion Ratio	Lower	Upper	
83	100		
85	65.5	52.2	78.4
127	7.6	6.1	9.1

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#48

Methyl methacrylate

Concen: 55.560 ug/l

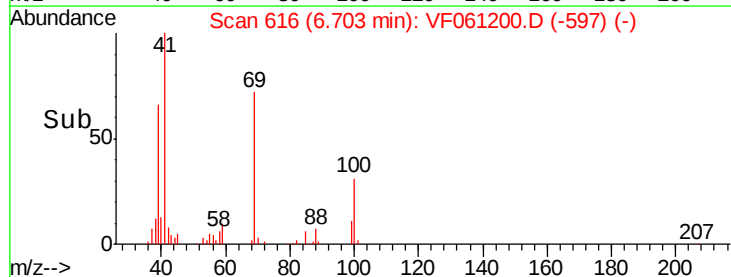
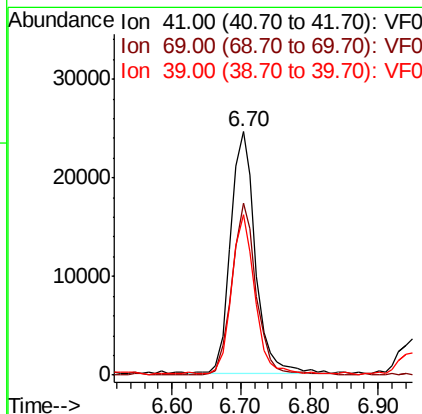
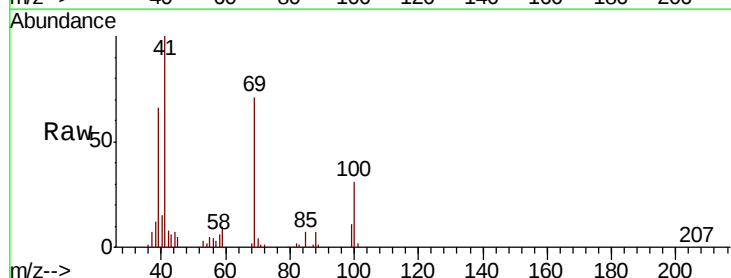
RT: 6.70 min Scan# 616

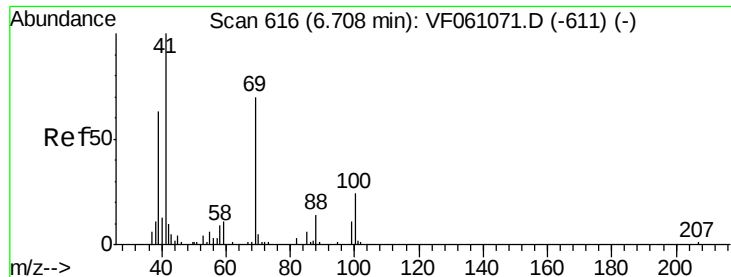
Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Tgt Ion:	41	Resp:	60807
Ion Ratio	Lower	Upper	
41	100		
69	70.7	52.7	79.1
39	66.1	47.8	71.6





#49

1,4-Dioxane

Concen: 893.062 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.02 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

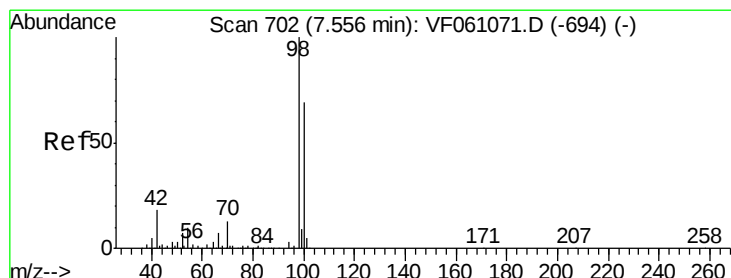
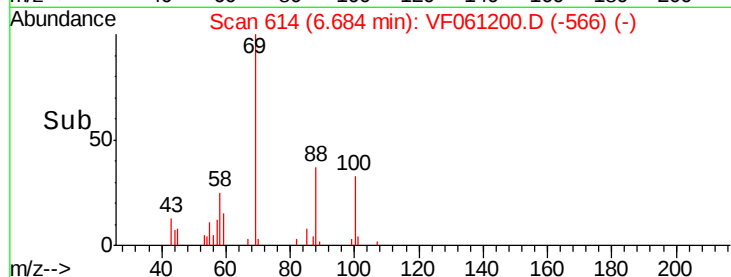
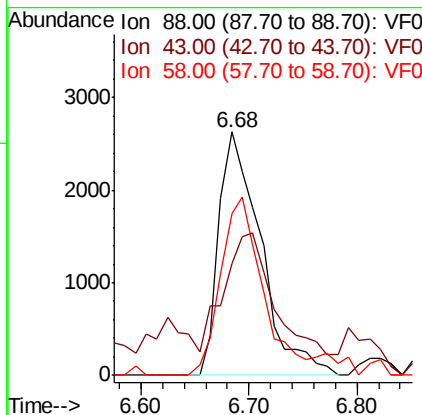
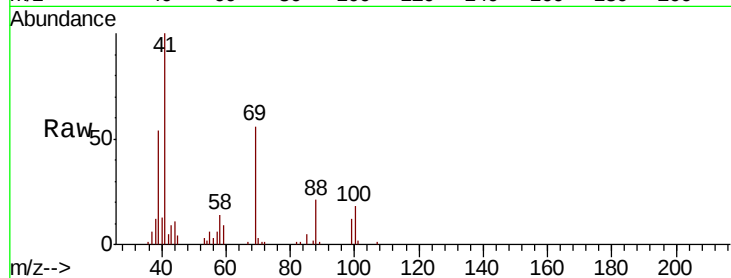
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	7092
Ion	Ratio	Lower	Upper
88	100		
43	45.9	33.3	49.9
58	66.4	53.2	79.8

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#50

Toluene-d8

Concen: 52.472 ug/l

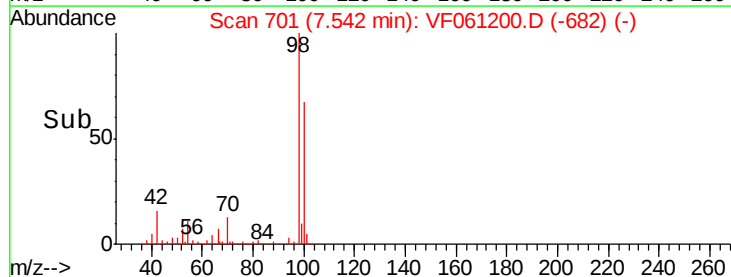
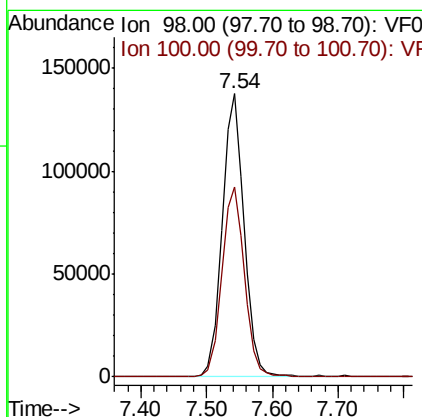
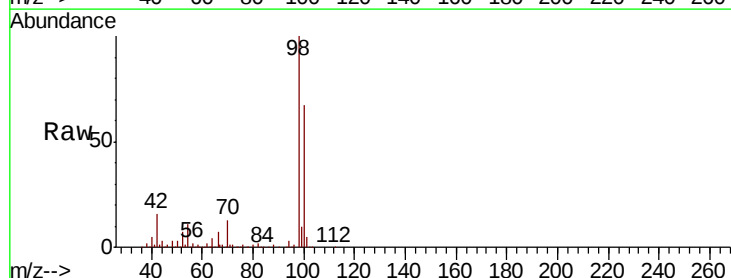
RT: 7.54 min Scan# 701

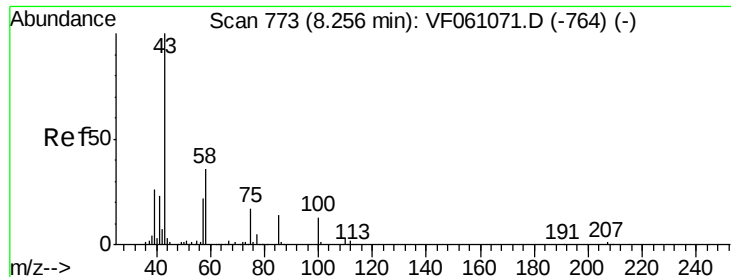
Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Tgt Ion:	98	Resp:	320405
Ion	Ratio	Lower	Upper
98	100		
100	67.1	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 277.093 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 297925

Ion Ratio Lower Upper

43 100

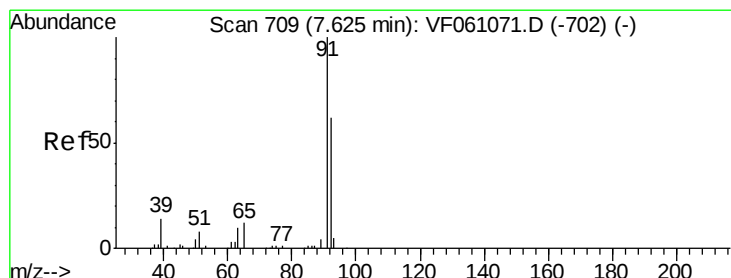
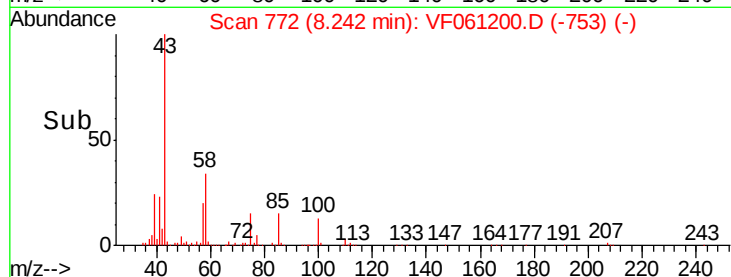
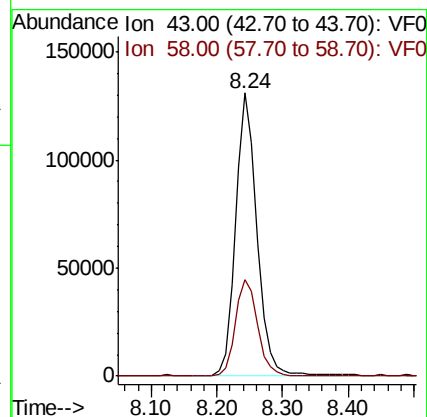
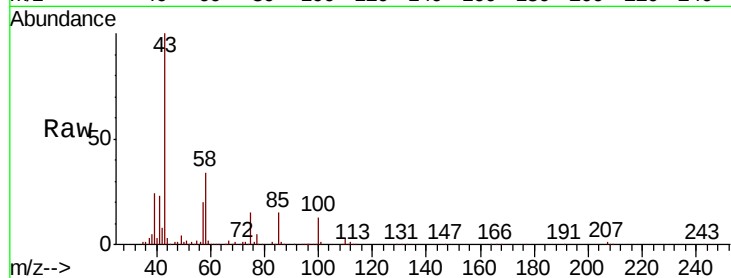
58 34.3 29.1 43.7

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#52

Toluene

Concen: 54.290 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061200.D

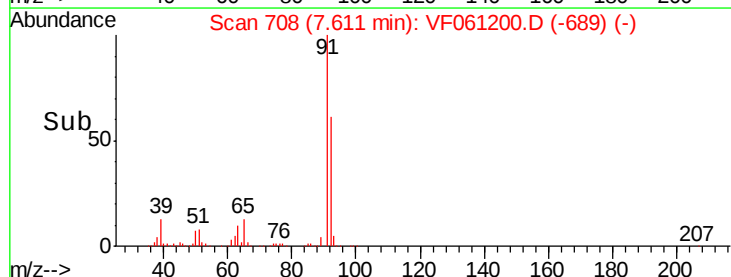
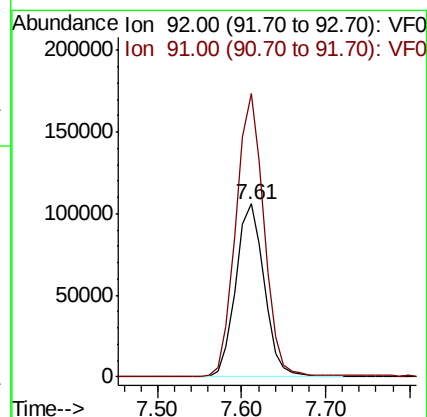
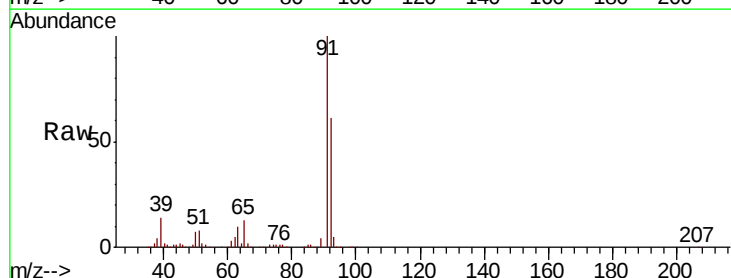
Acq: 26 Dec 2018 20:54

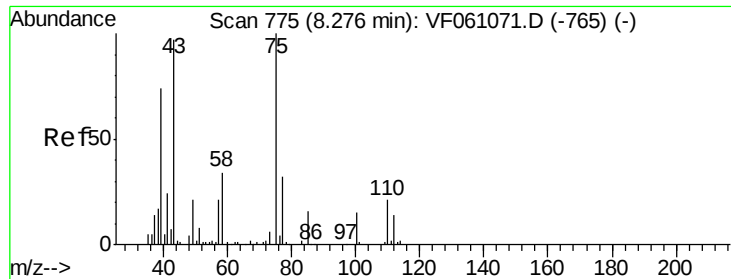
Tgt Ion: 92 Resp: 250924

Ion Ratio Lower Upper

92 100

91 163.8 128.8 193.2





#53

t-1,3-Dichloropropene

Concen: 53.756 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 138824

Ion Ratio Lower Upper

75 100

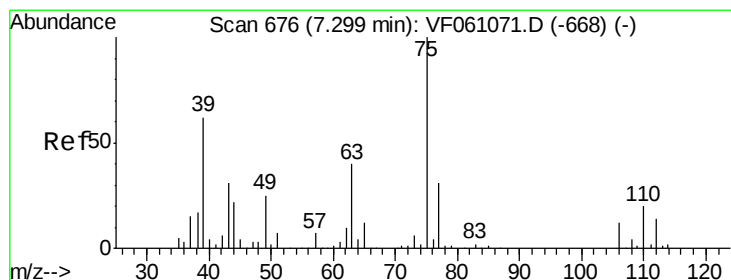
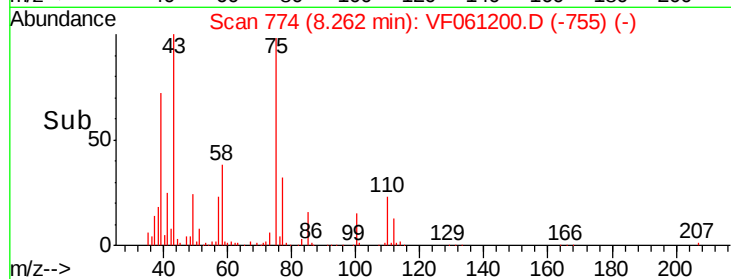
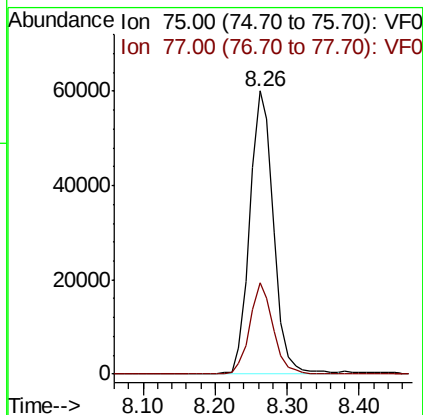
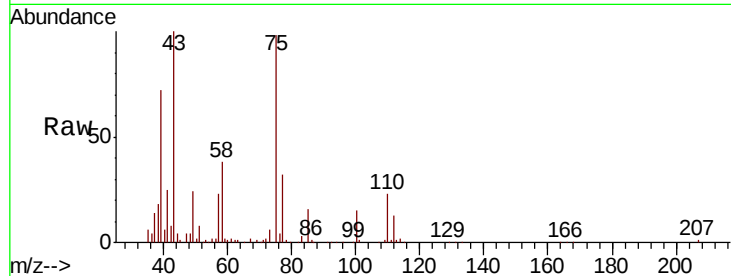
77 32.4 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 57.461 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

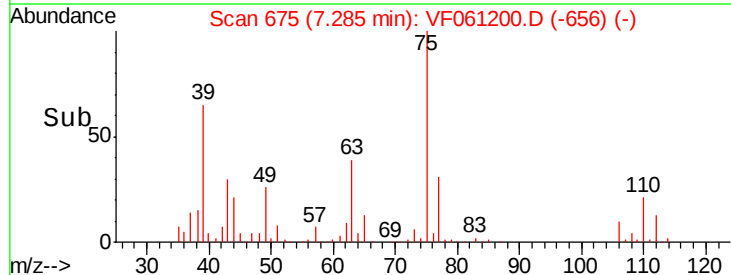
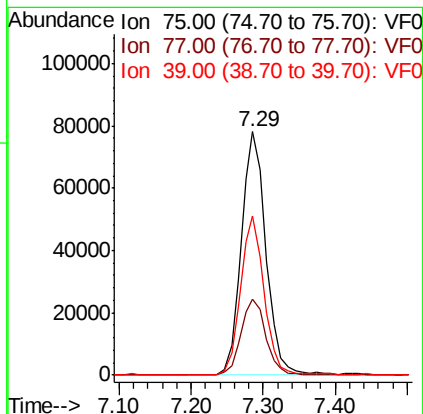
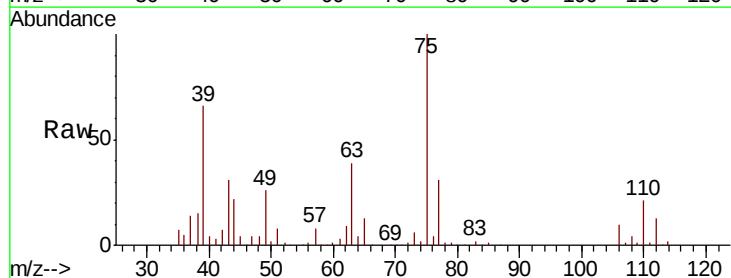
Tgt Ion: 75 Resp: 186244

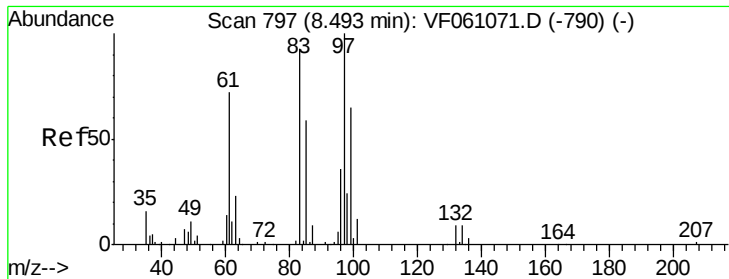
Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4

39 65.5 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 57.233 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

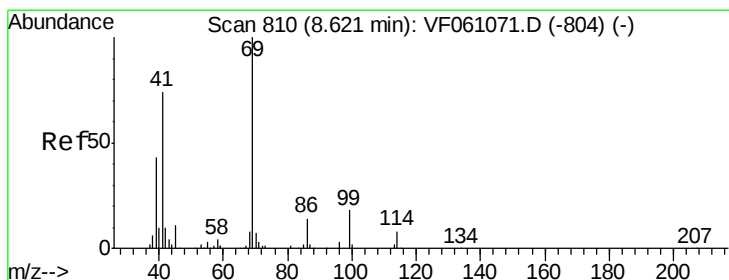
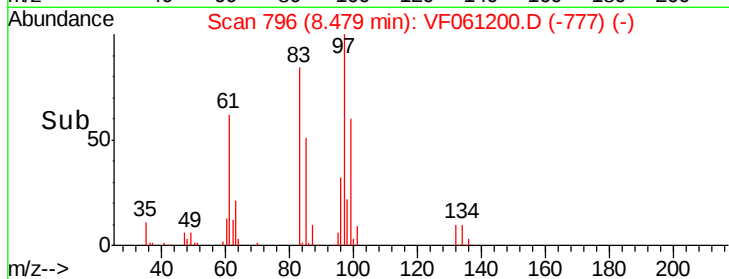
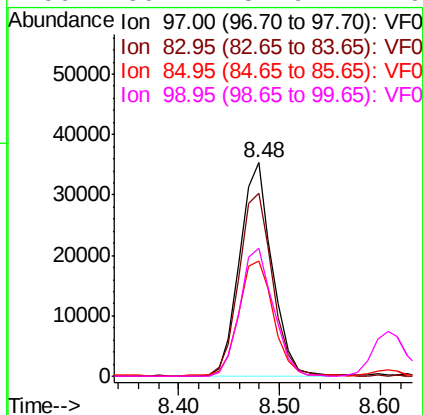
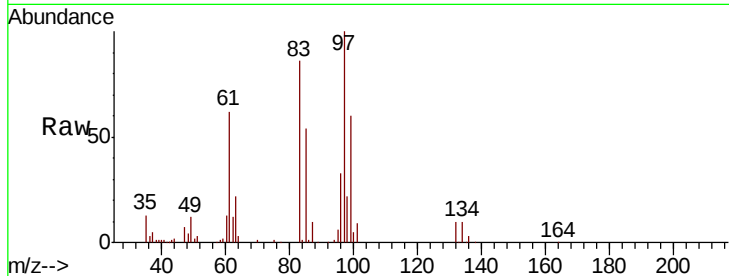
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	79301
Ion	Ratio	Lower	Upper
97	100		
83	85.7	75.0	112.4
85	54.1	47.5	71.3
99	60.1	51.9	77.9

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#56

Ethyl methacrylate

Concen: 59.832 ug/l

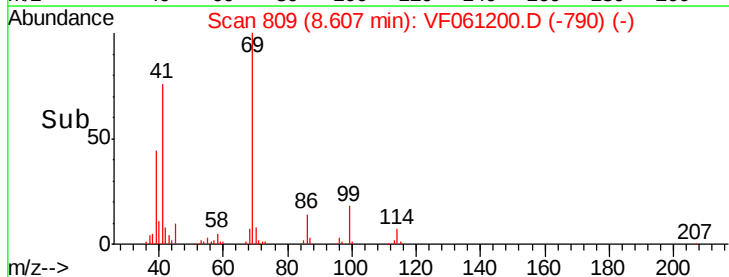
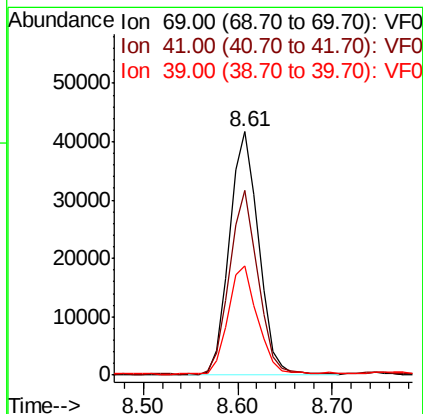
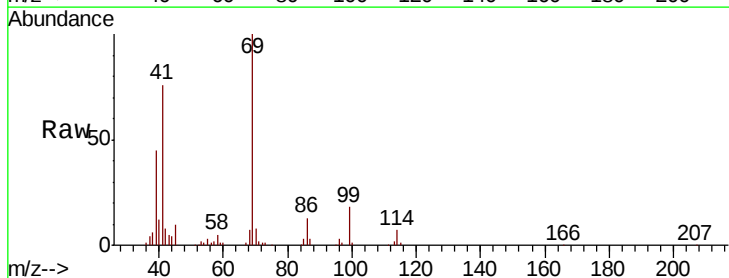
RT: 8.61 min Scan# 809

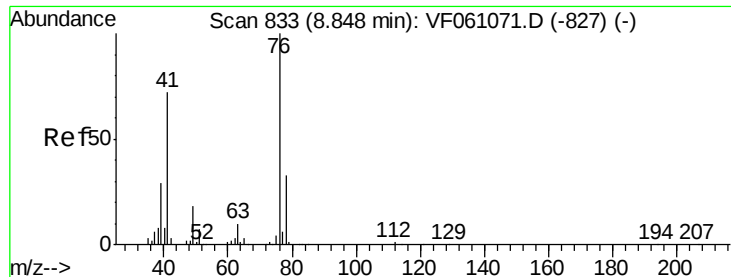
Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Tgt Ion:	69	Resp:	89706
Ion	Ratio	Lower	Upper
69	100		
41	75.8	59.7	89.5
39	44.9	35.0	52.6





#57

1,3-Dichloropropane

Concen: 56.333 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 141171

Ion Ratio Lower Upper

76 100

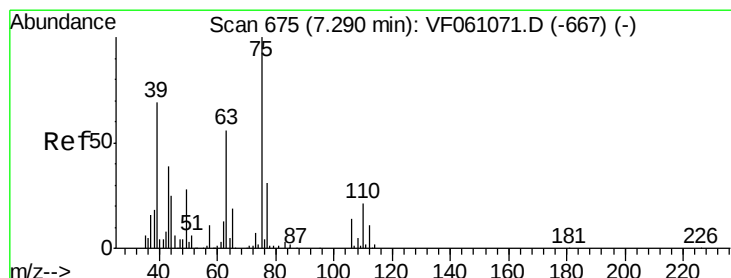
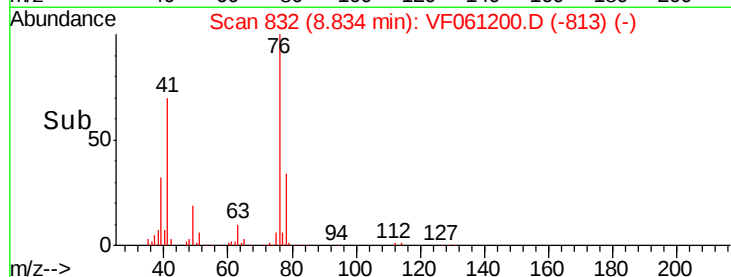
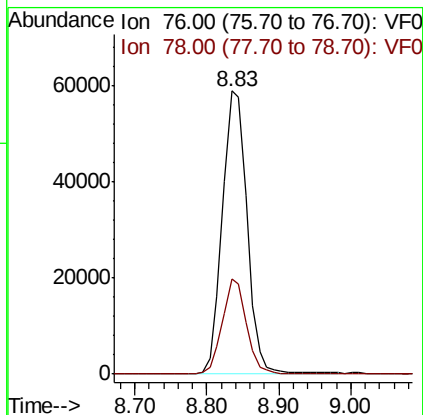
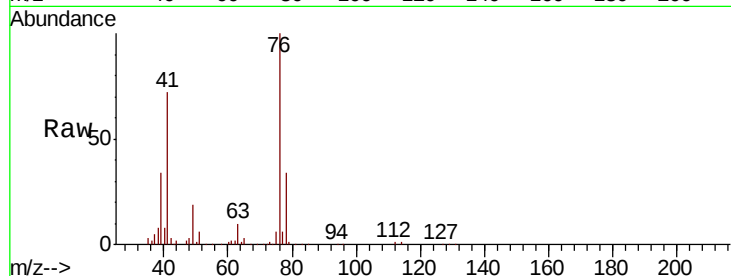
78 33.6 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 253.299 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061200.D

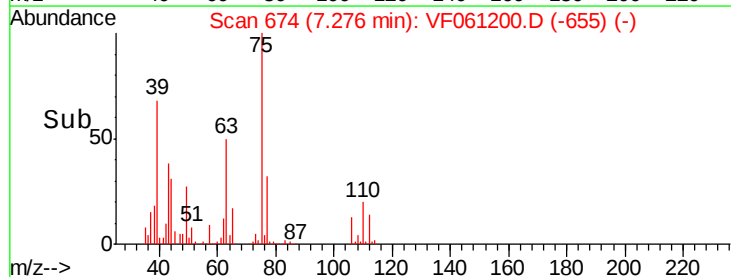
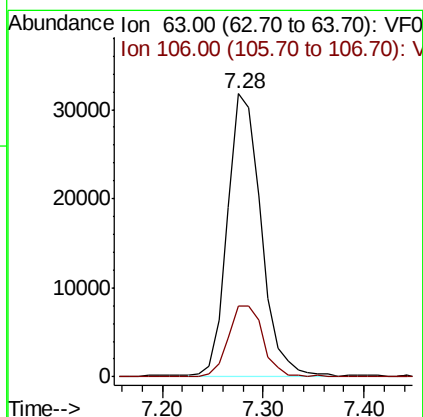
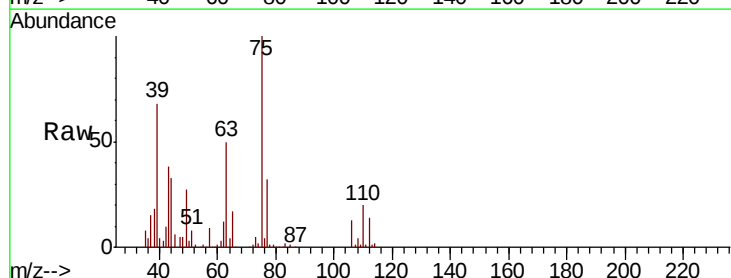
Acq: 26 Dec 2018 20:54

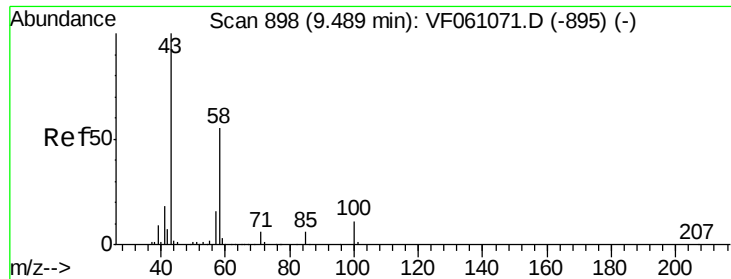
Tgt Ion: 63 Resp: 72938

Ion Ratio Lower Upper

63 100

106 24.9 19.8 29.8





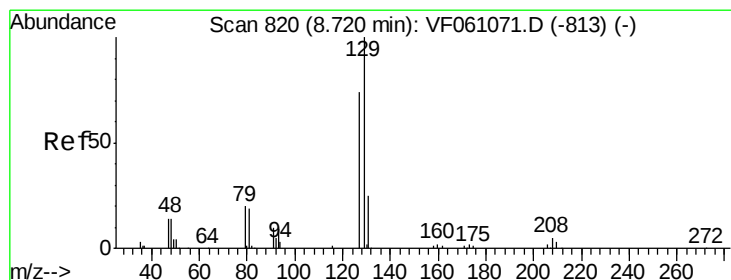
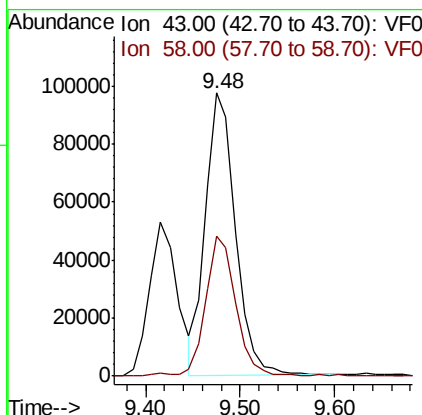
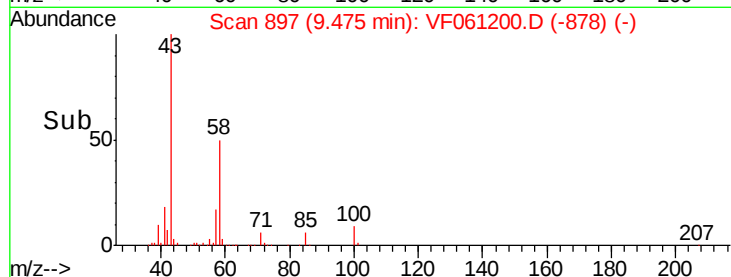
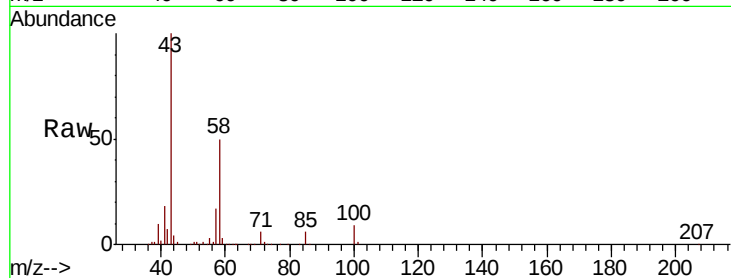
#59
2-Hexanone
Concen: 277.997 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 216155
Ion Ratio Lower Upper
43 100
58 49.6 25.1 75.2

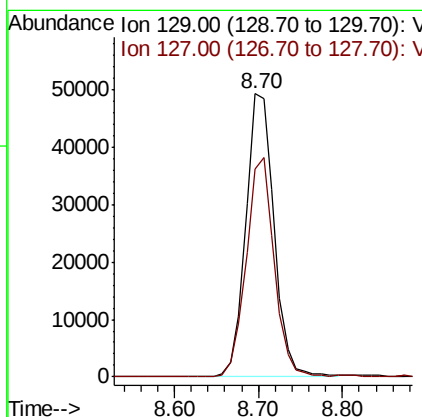
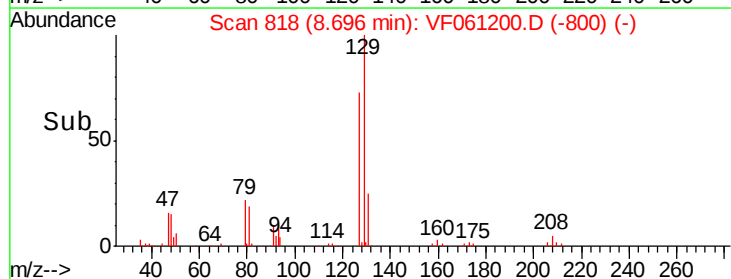
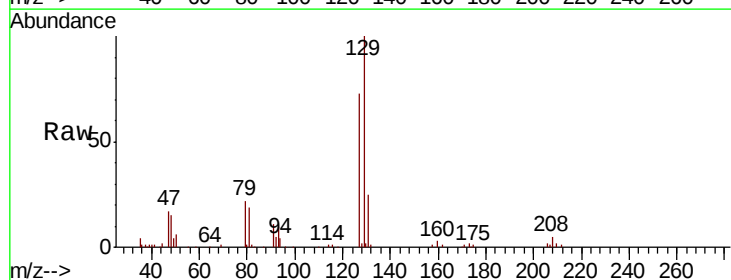
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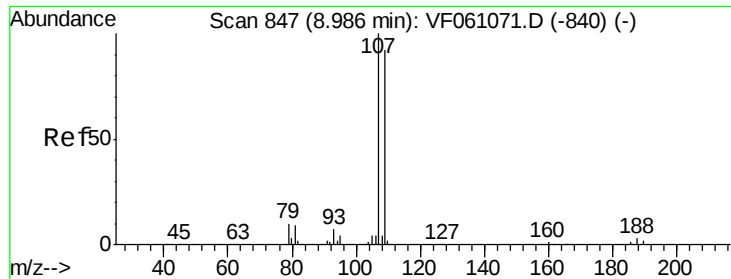
apatel
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#60
Dibromochloromethane
Concen: 58.707 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Tgt Ion: 129 Resp: 116602
Ion Ratio Lower Upper
129 100
127 73.3 36.8 110.3





#61

1,2-Dibromoethane

Concen: 56.605 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 83763

Ion Ratio Lower Upper

107 100

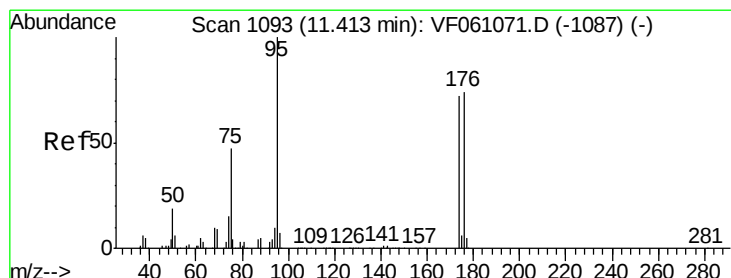
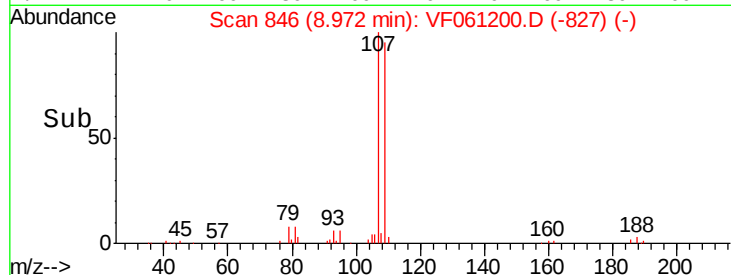
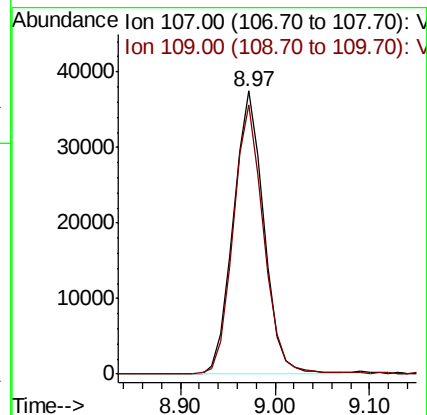
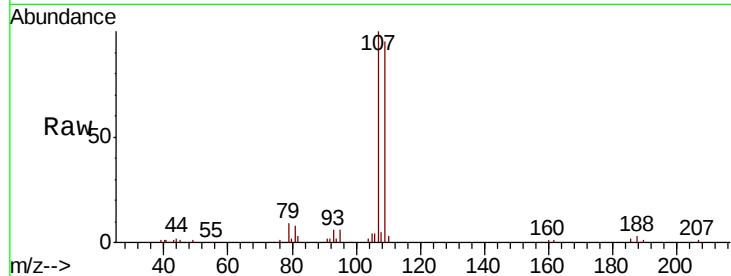
109 95.1 73.7 110.5

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#62

4-Bromofluorobenzene

Concen: 51.183 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

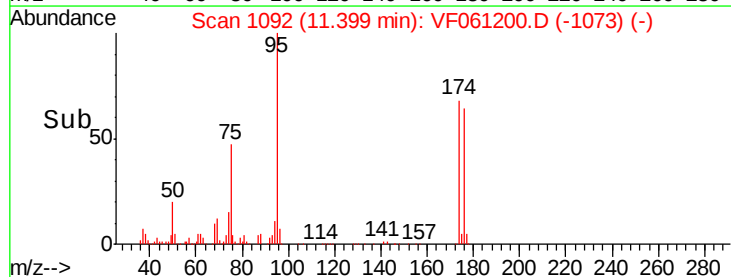
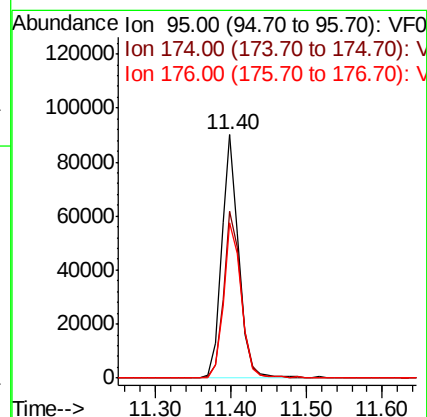
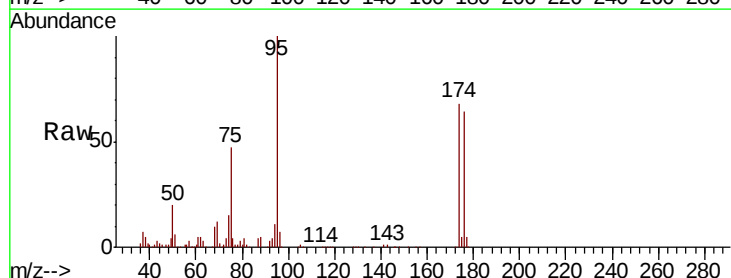
Tgt Ion: 95 Resp: 144082

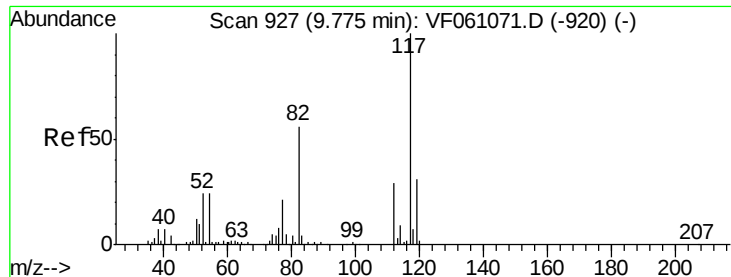
Ion Ratio Lower Upper

95 100

174 68.4 0.0 143.8

176 63.8 0.0 147.6





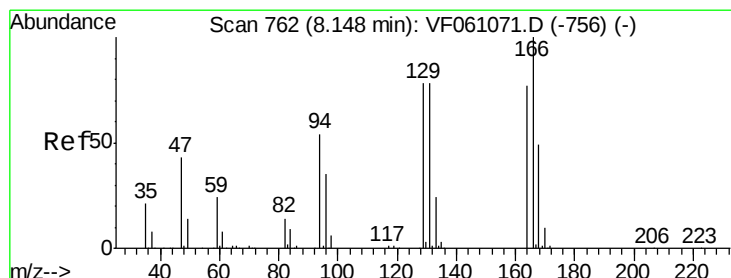
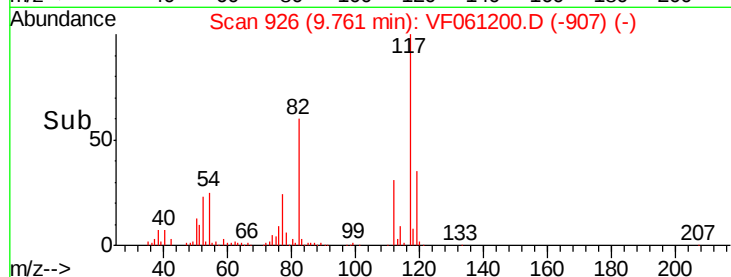
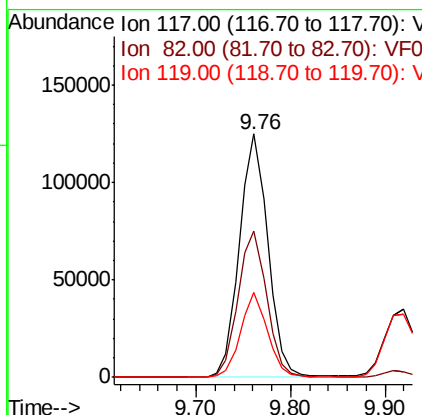
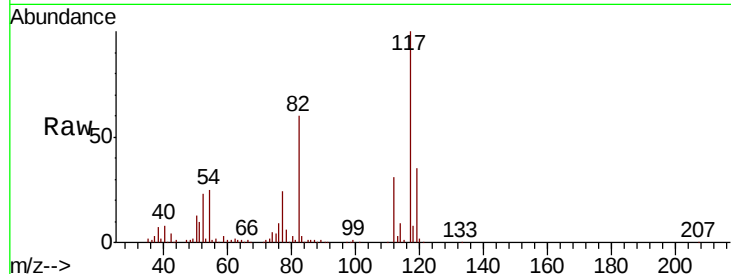
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	45.0	67.4
119	34.6	24.8	37.2

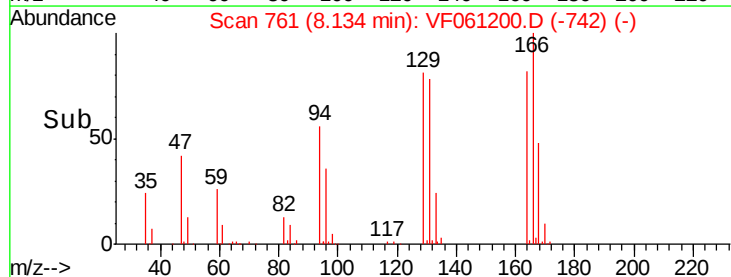
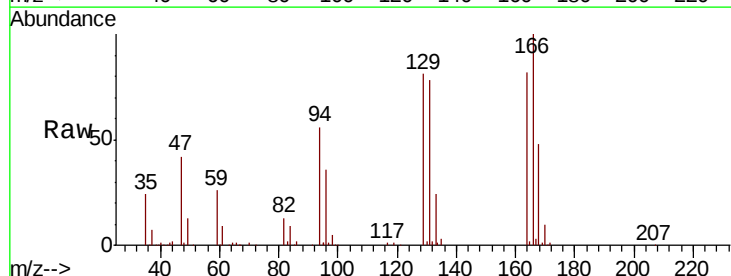
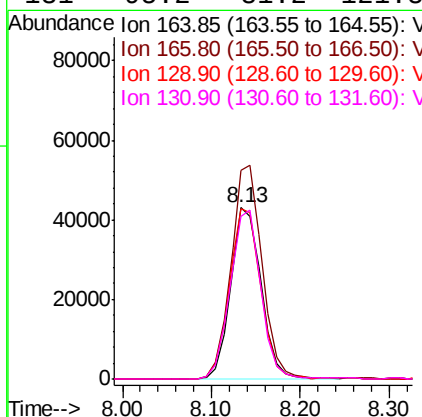
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#64
Tetrachloroethene
Concen: 51.130 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.0	104.0	156.0
129	99.3	81.1	121.7
131	95.2	81.2	121.8





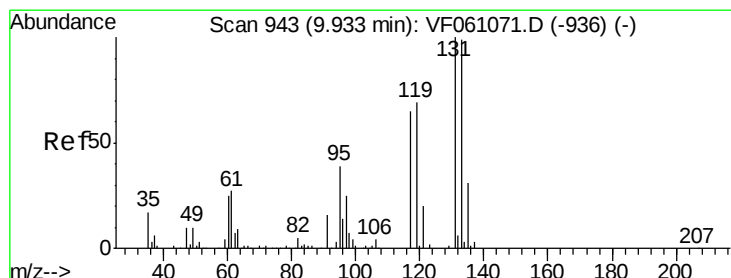
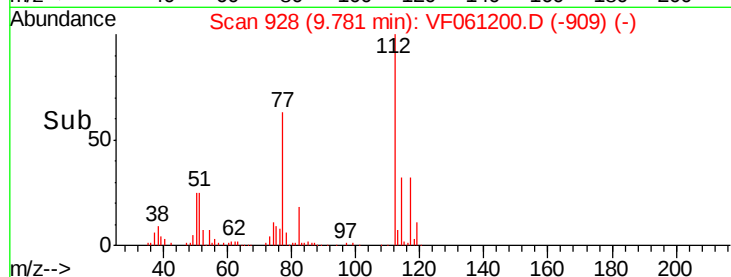
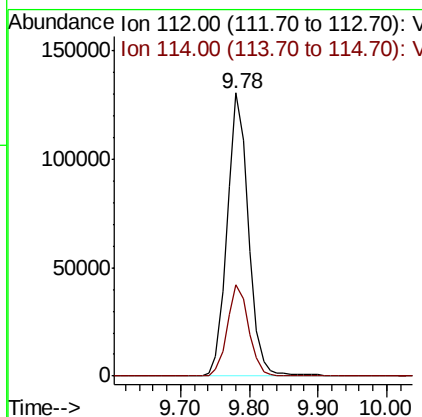
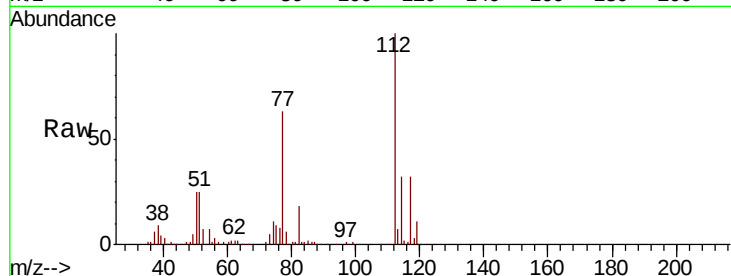
#65
Chlorobenzene
Concen: 51.599 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.8	41.6

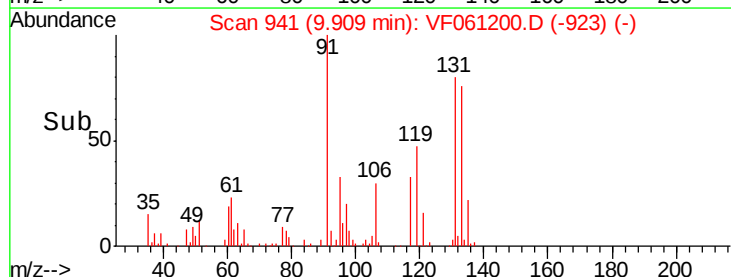
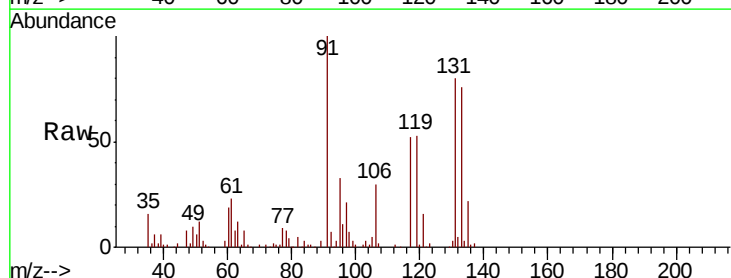
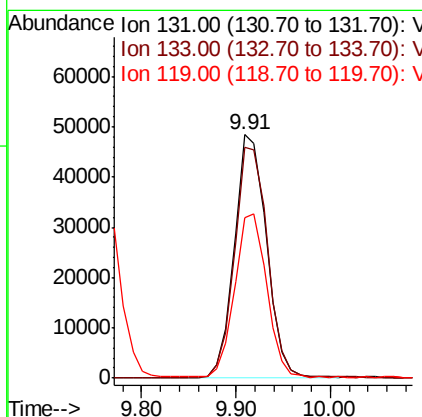
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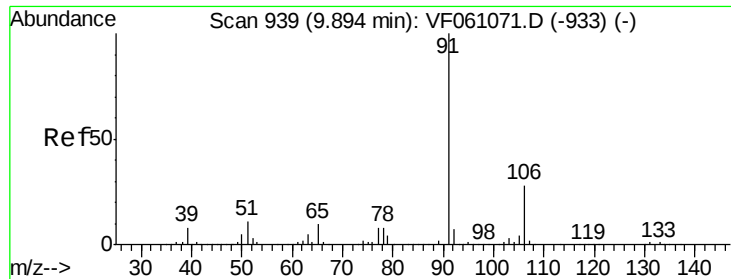
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.586 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	49.5	148.7
119	65.7	34.5	103.5





#67

Ethyl Benzene

Concen: 52.767 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.00 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 521294

Ion Ratio Lower Upper

91 100

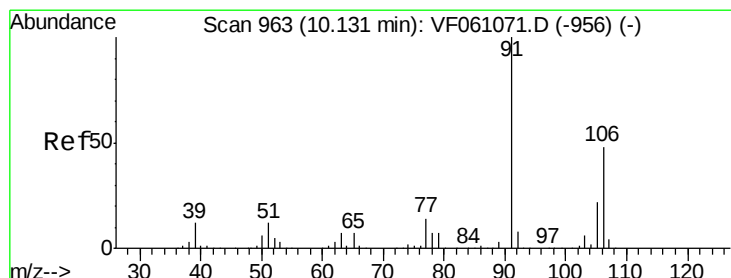
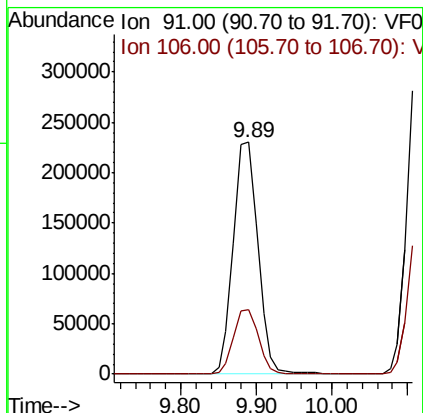
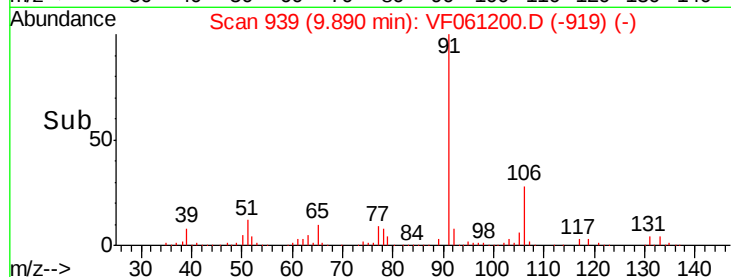
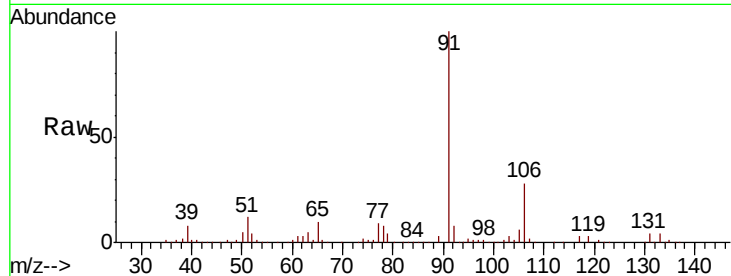
106 28.0 22.5 33.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 103.421 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF061200.D

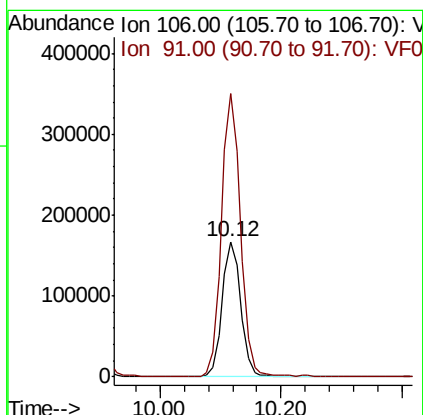
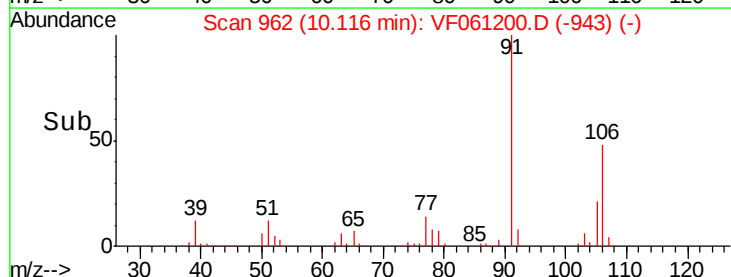
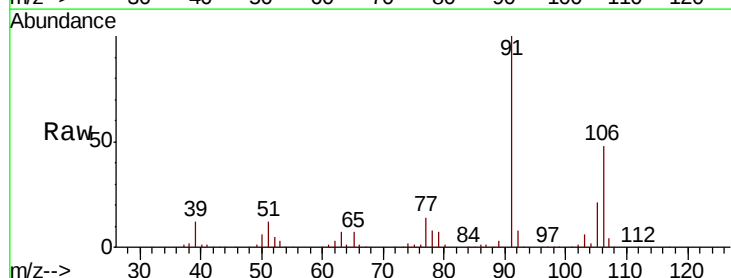
Acq: 26 Dec 2018 20:54

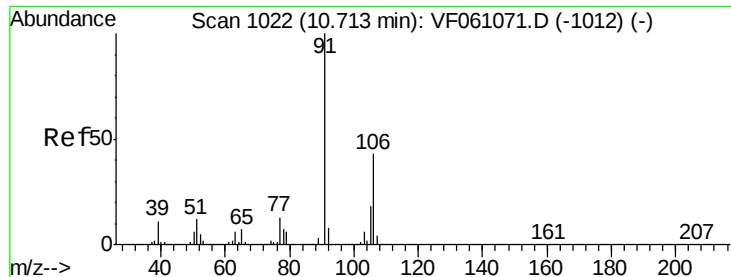
Tgt Ion: 106 Resp: 359565

Ion Ratio Lower Upper

106 100

91 209.0 168.2 252.2





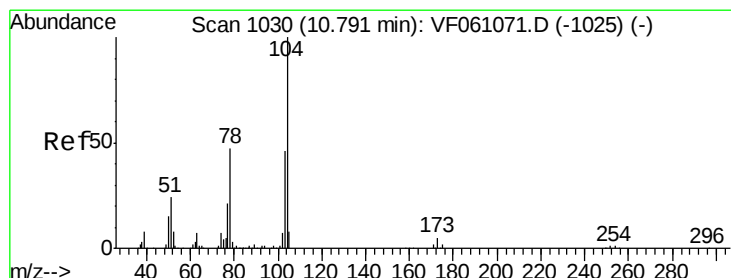
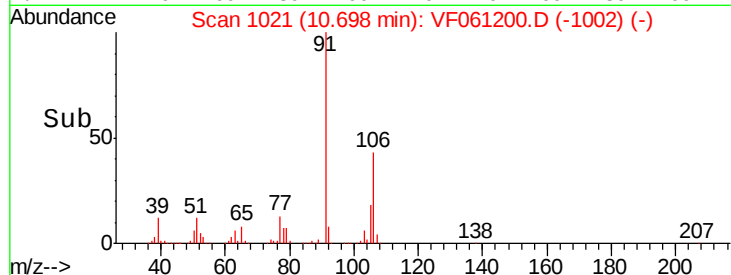
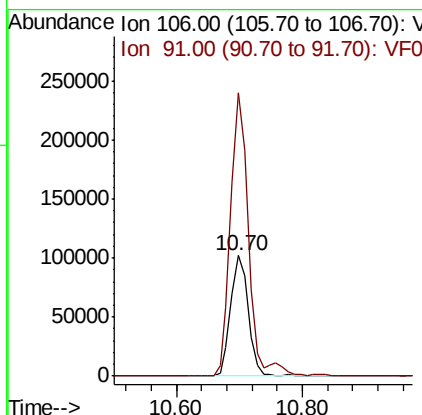
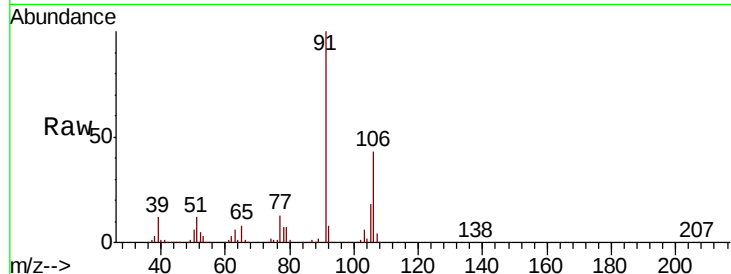
#69
o-Xylene
Concen: 51.619 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	235.1	115.9	347.7

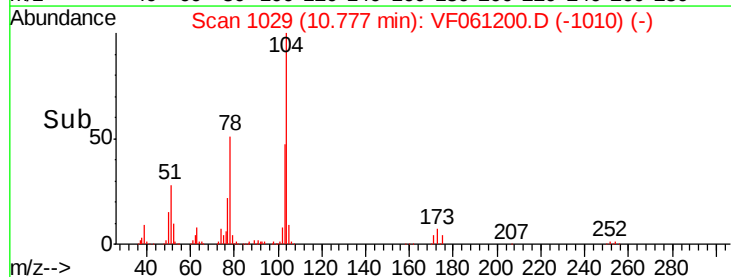
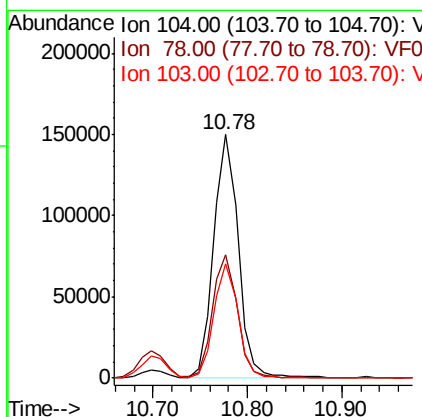
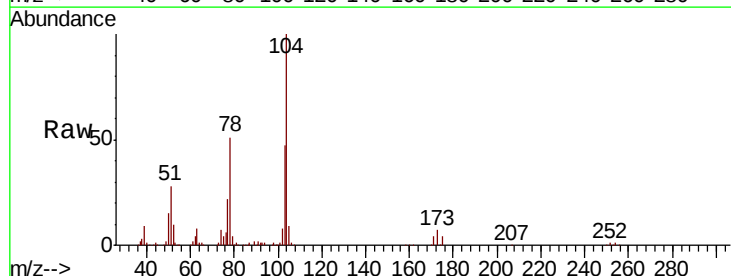
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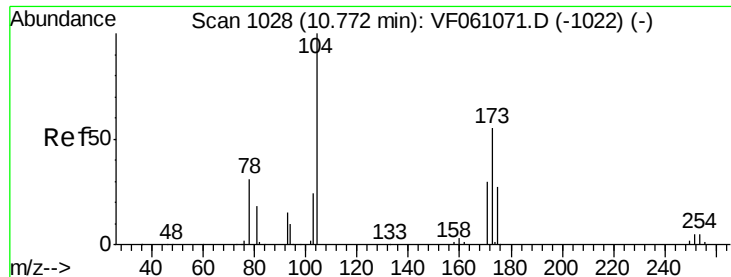
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#70
Styrene
Concen: 58.316 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.8	38.4	57.6
103	46.9	37.0	55.6





#71

Bromoform

Concen: 56.156 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 57574

Ion Ratio Lower Upper

173 100

175 47.8 24.8 74.4

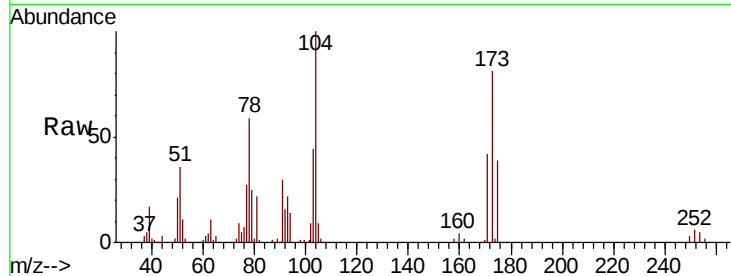
254 6.7 0.0 0.0#

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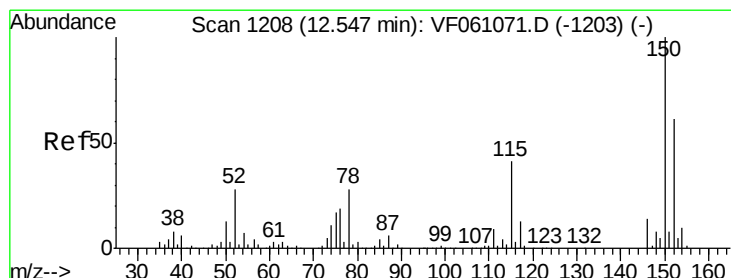
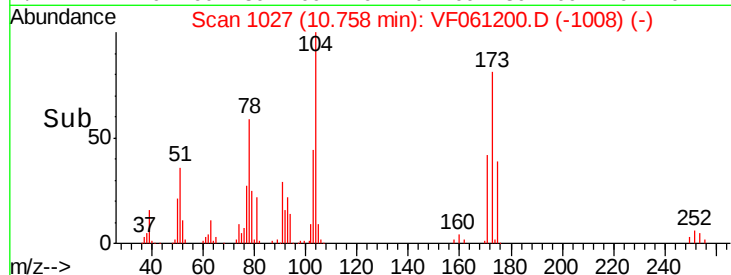
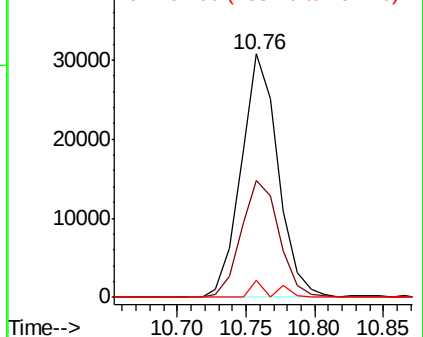
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

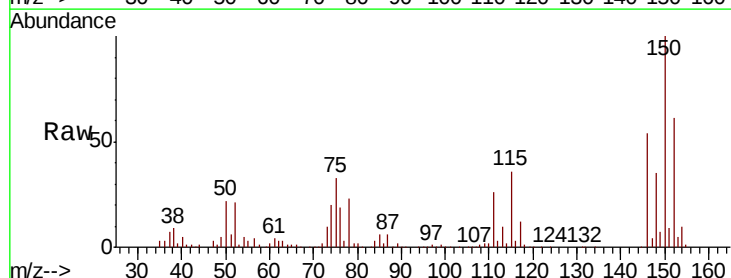
Tgt Ion:152 Resp: 134269

Ion Ratio Lower Upper

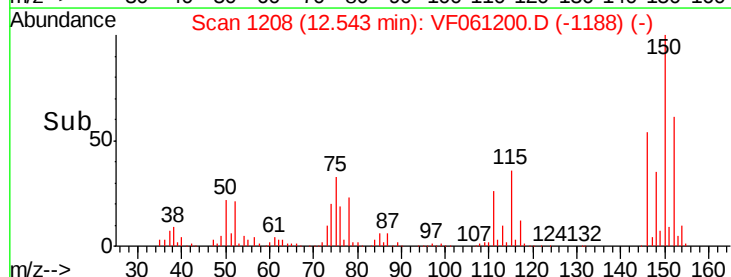
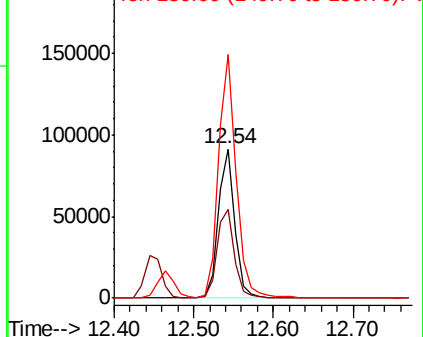
152 100

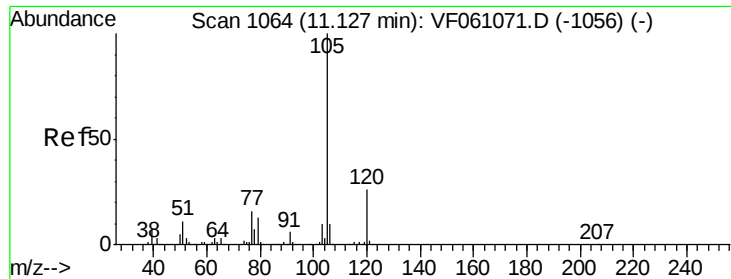
115 59.3 33.3 99.9

150 163.4 0.0 328.2



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: 48.805 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 564704

Ion Ratio Lower Upper

105 100

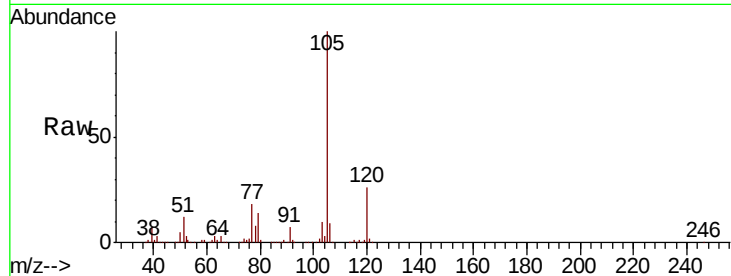
120 25.6 13.0 39.0

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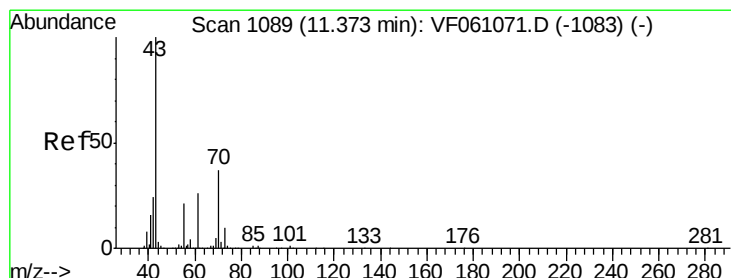
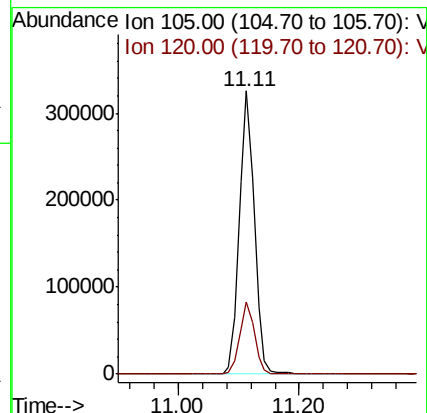
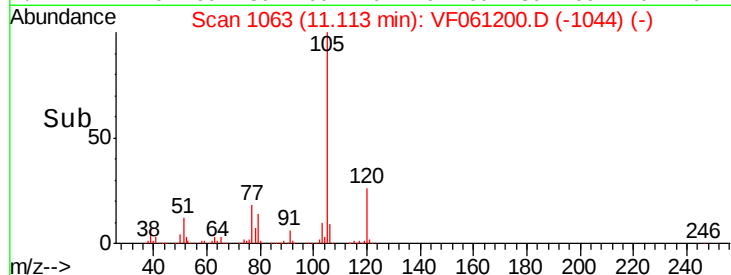
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.287 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Tgt Ion: 43 Resp: 139456

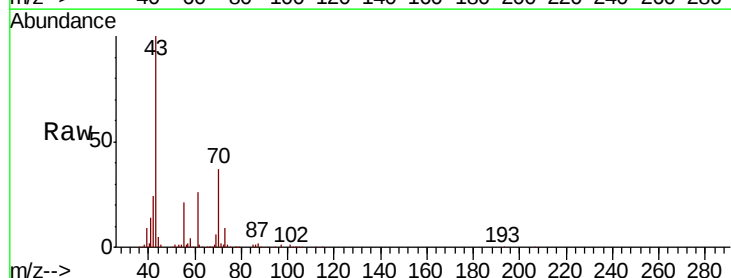
Ion Ratio Lower Upper

43 100

70 37.0 29.2 43.8

55 20.7 16.5 24.7

61 25.7 20.7 31.1

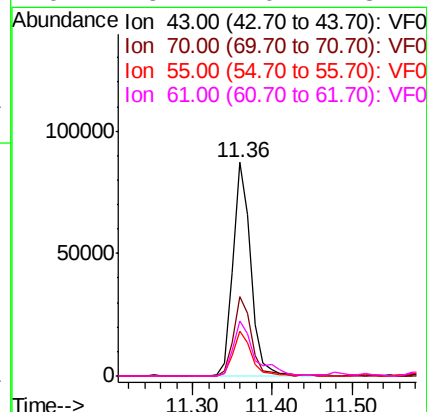
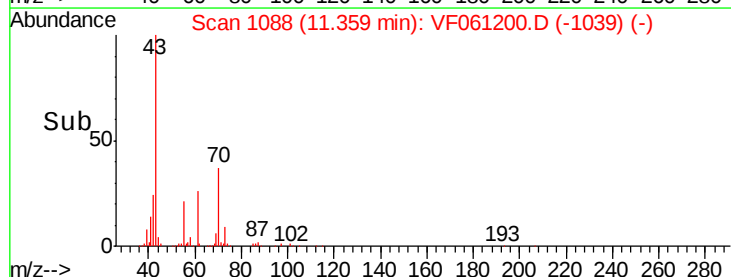


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.305 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

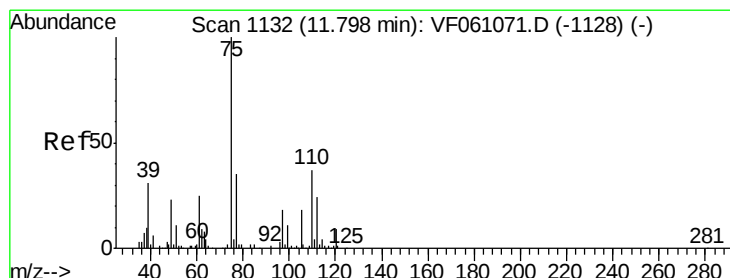
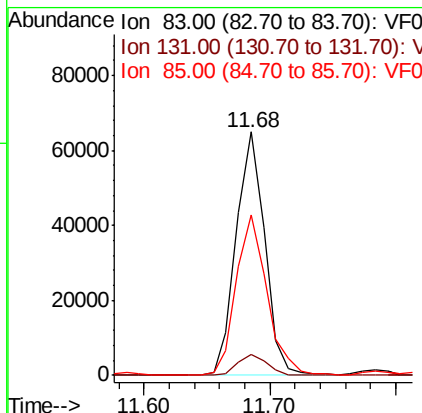
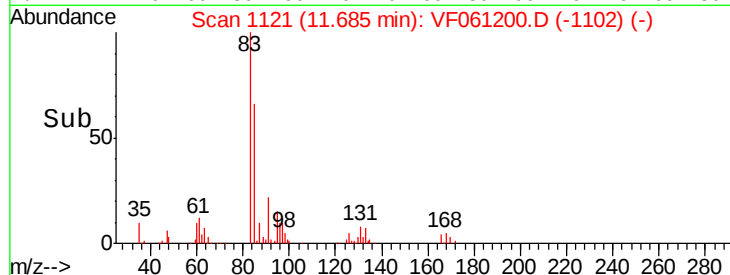
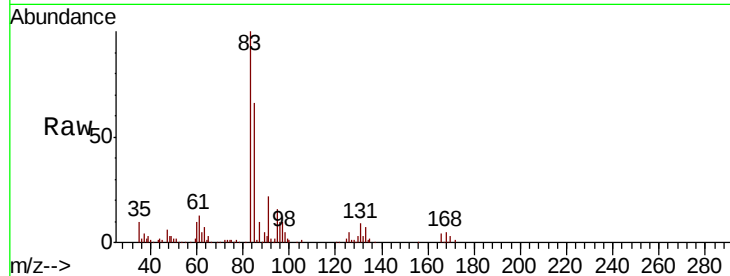
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	102365
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.8	14.3
85	65.7	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 54.103 ug/l

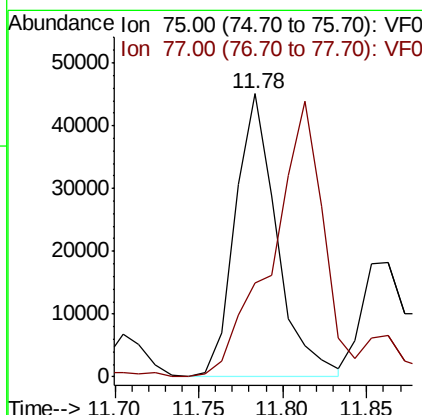
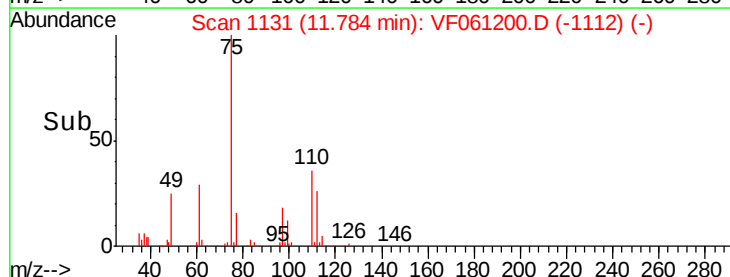
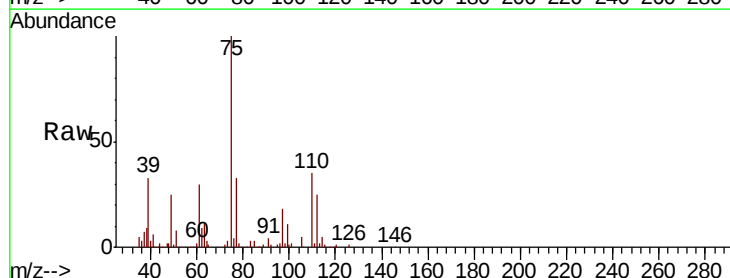
RT: 11.78 min Scan# 1131

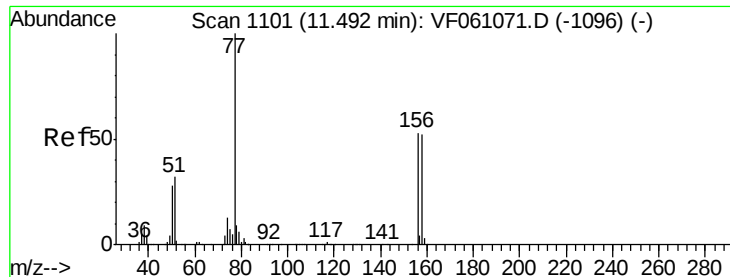
Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Tgt Ion:	75	Resp:	77319
Ion Ratio	Lower	Upper	
75	100		
77	33.1	17.6	52.9





#77

Bromobenzene

Concen: 51.624 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

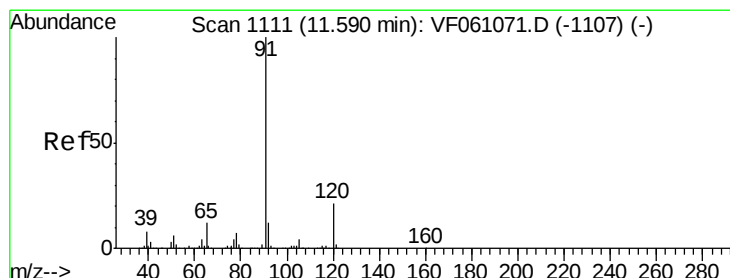
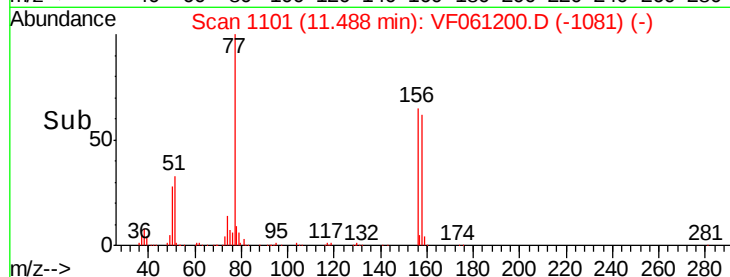
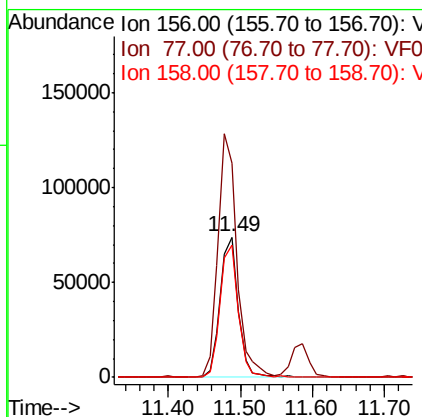
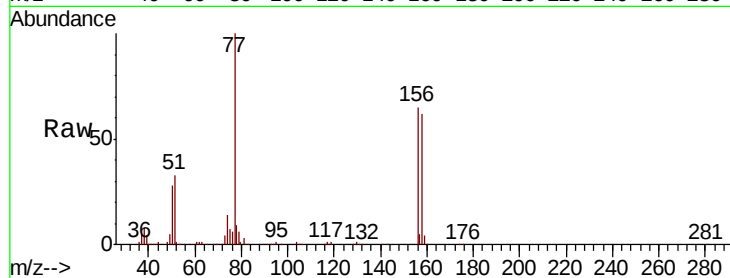
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.1	93.8	281.4
158	94.4	48.9	146.8

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#78

n-propylbenzene

Concen: 52.294 ug/l

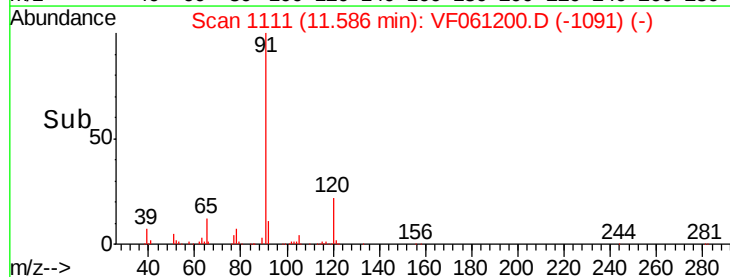
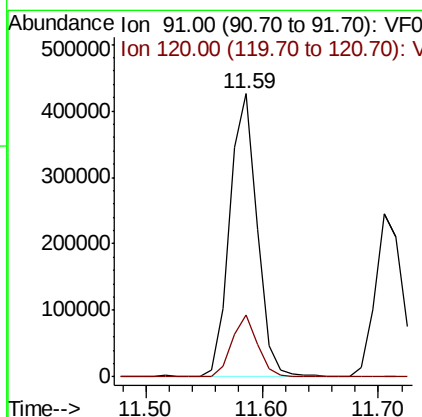
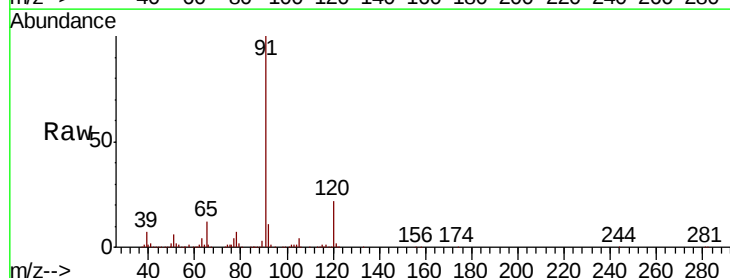
RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.4	31.2





#79

2-Chlorotoluene

Concen: 49.292 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 391251

Ion Ratio Lower Upper

91 100

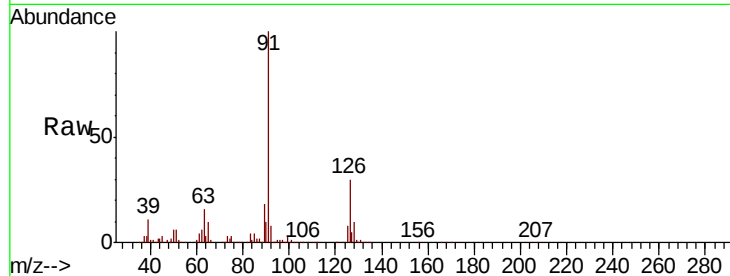
126 30.1 16.4 49.1

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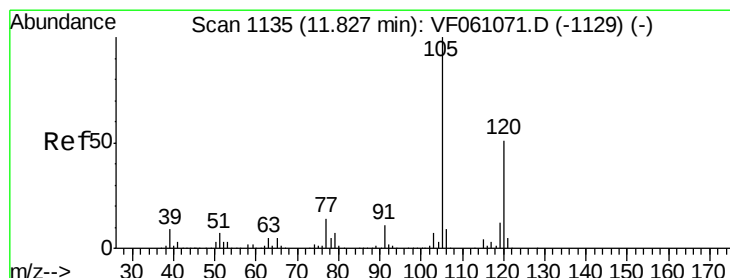
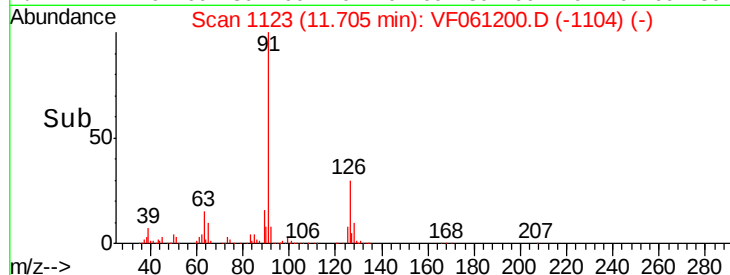
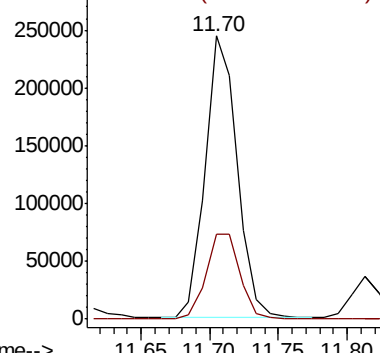
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 50.361 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061200.D

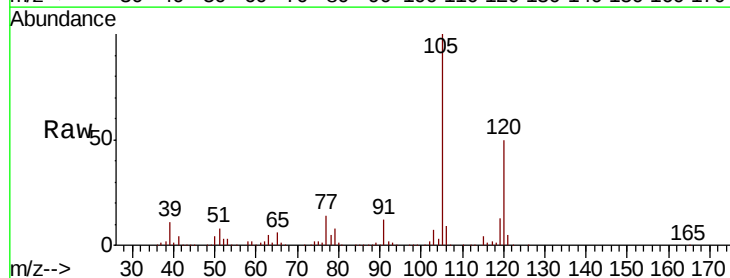
Acq: 26 Dec 2018 20:54

Tgt Ion:105 Resp: 479815

Ion Ratio Lower Upper

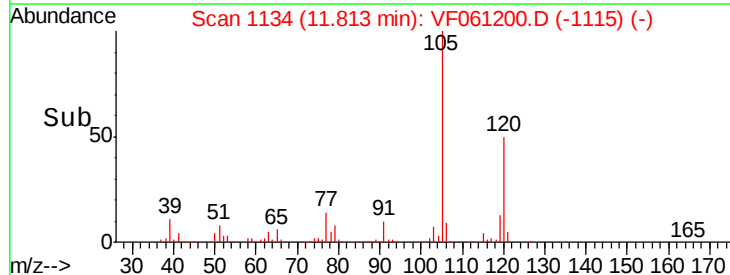
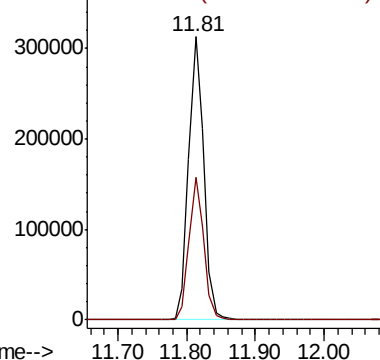
105 100

120 50.4 25.4 76.4



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: 50.205 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

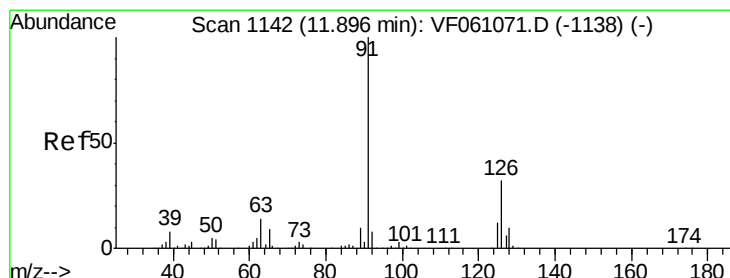
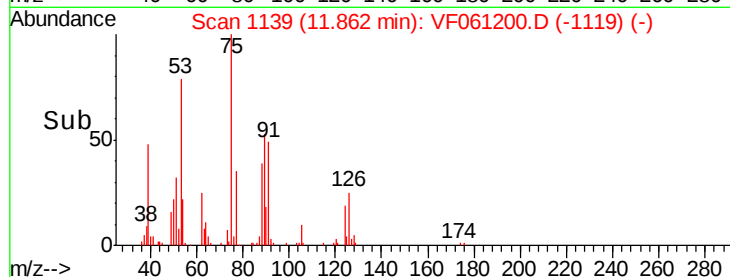
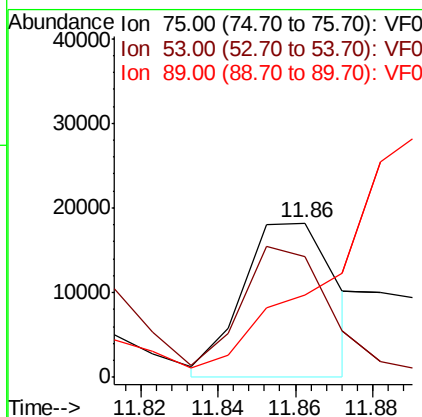
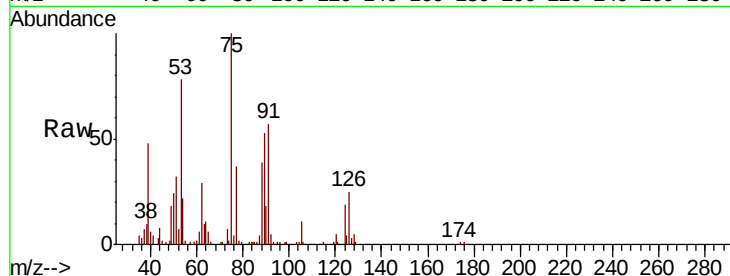
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	30831
Ion	Ratio	Lower	Upper
75	100		
53	78.1	74.1	111.1
89	53.0	42.6	64.0

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#82

4-Chlorotoluene

Concen: 51.024 ug/l

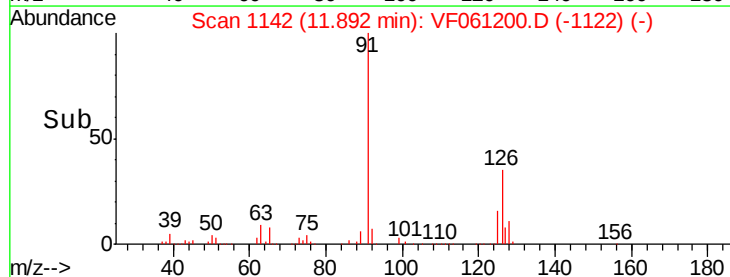
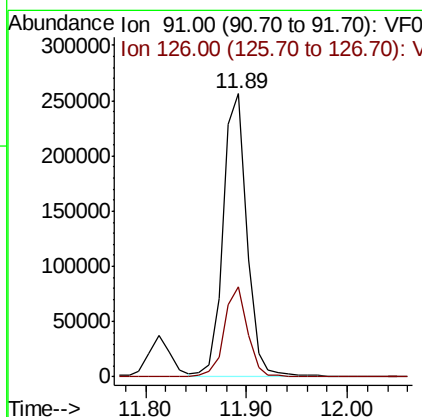
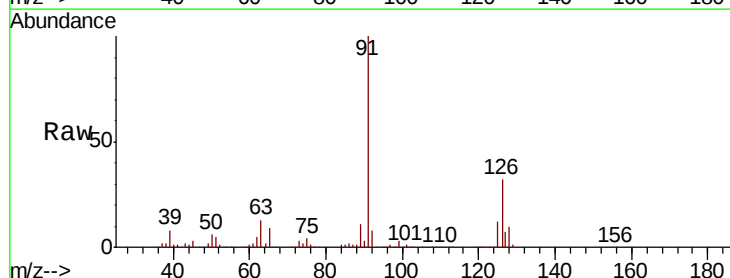
RT: 11.89 min Scan# 1142

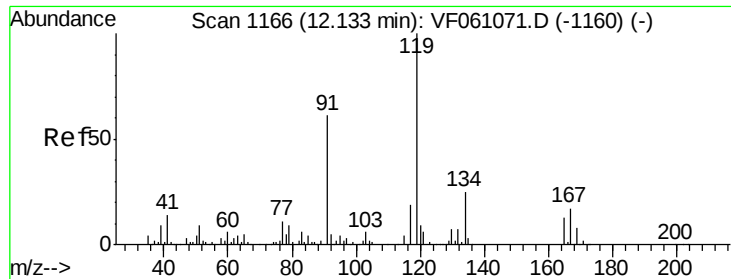
Delta R.T. -0.00 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Tgt Ion:	91	Resp:	418965
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	47.9





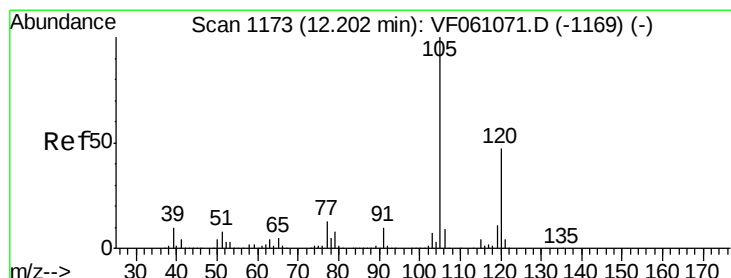
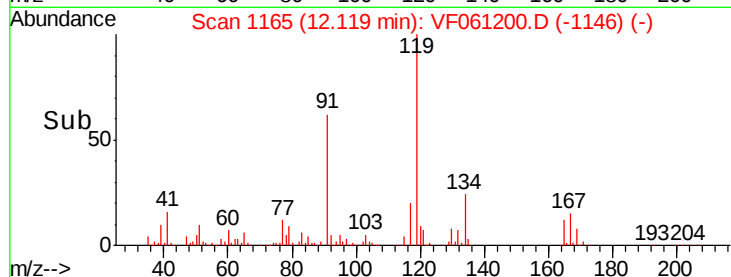
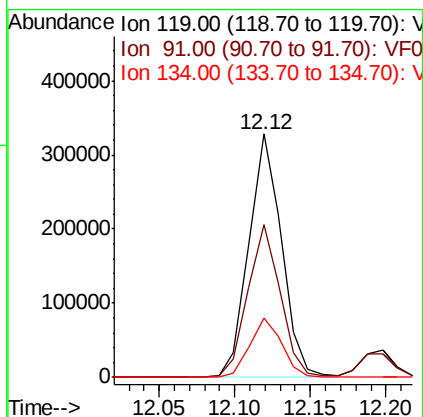
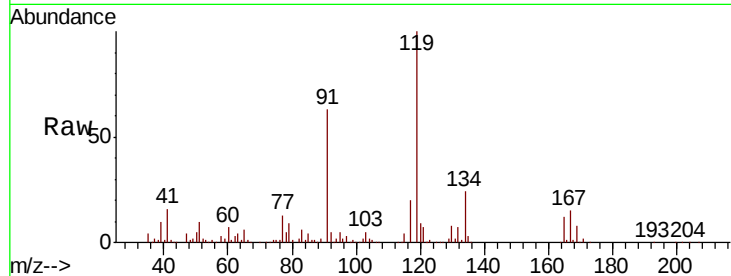
#83
 tert-Butylbenzene
 Concen: 50.715 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	497221		
91	62.7	30.5	91.5	
134	24.3	12.4	37.4	

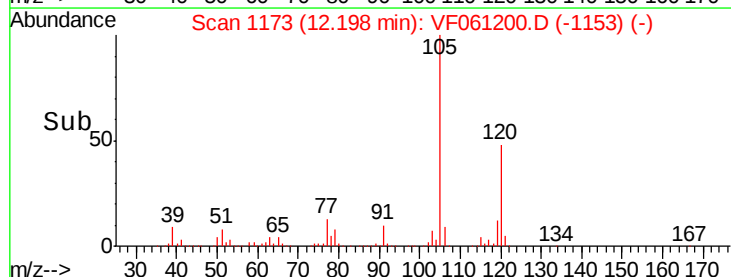
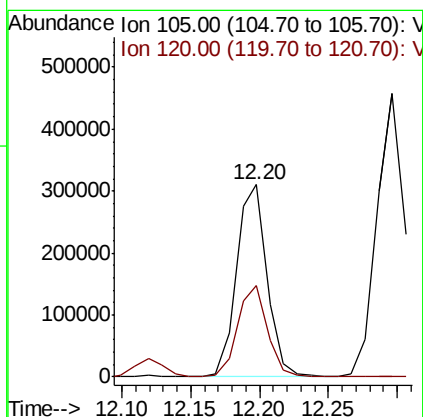
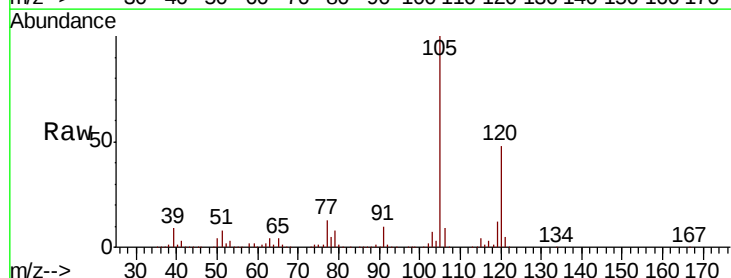
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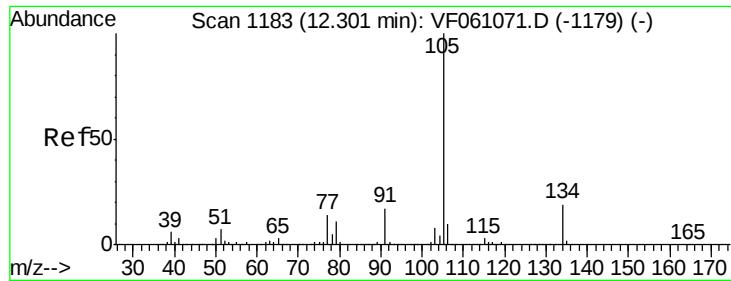
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.567 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	480434		
120	47.7	23.6	71.0	





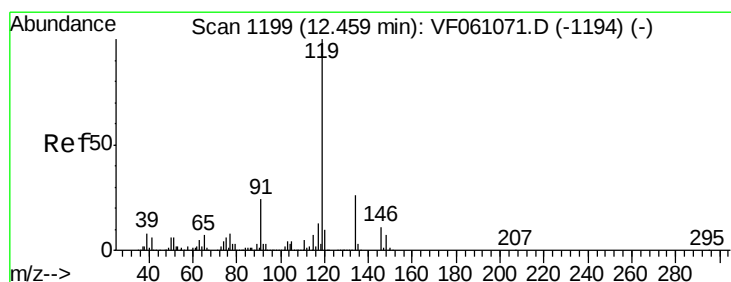
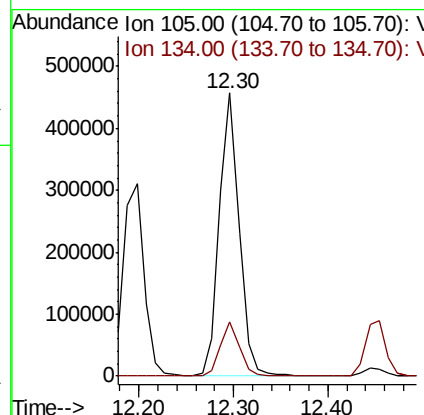
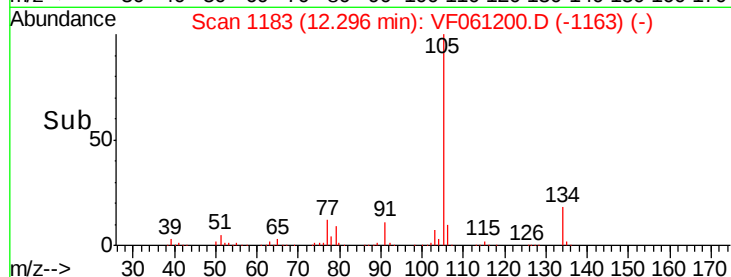
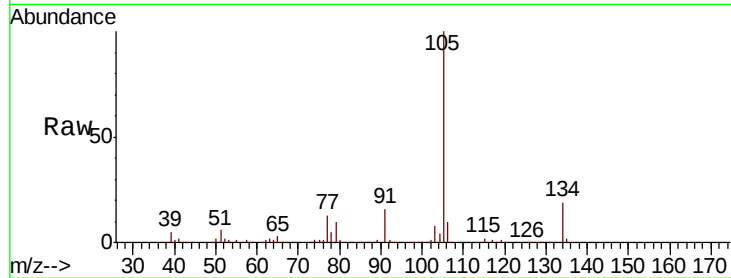
#85
 sec-Butylbenzene
 Concen: 51.889 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.4	28.2

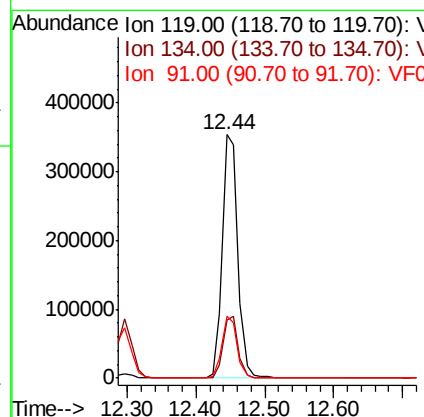
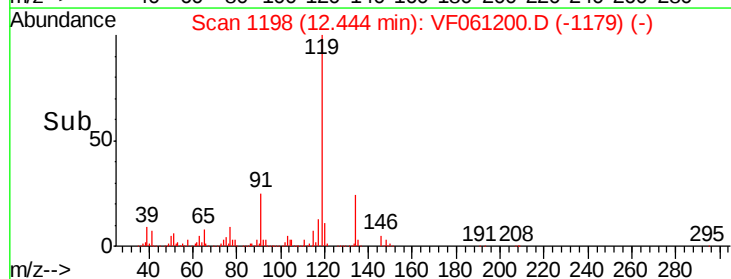
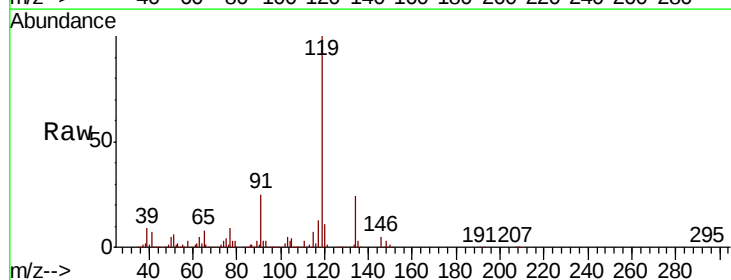
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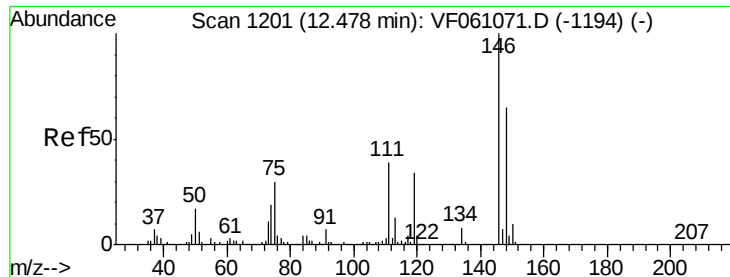
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#86
 p-Isopropyltoluene
 Concen: 52.026 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.9	12.8	38.4
91	25.3	12.2	36.6





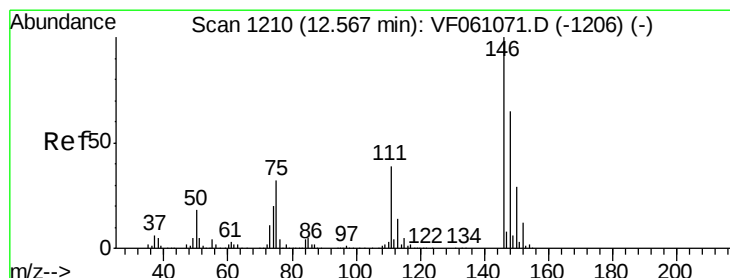
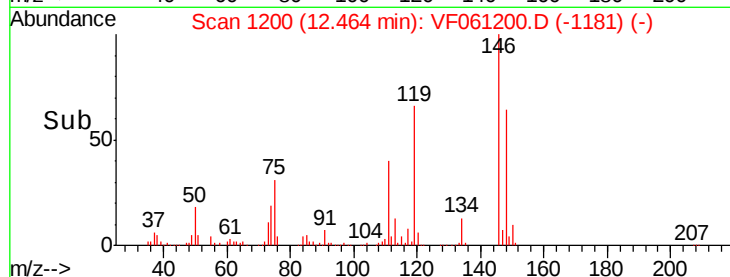
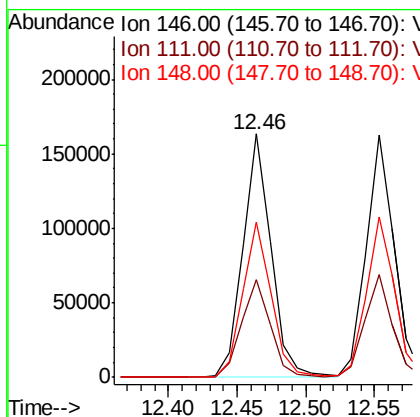
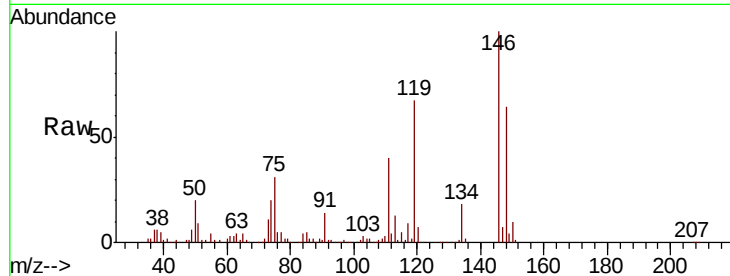
#87
 1,3-Dichlorobenzene
 Concen: 58.695 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.3	57.9
148	63.8	32.4	97.2

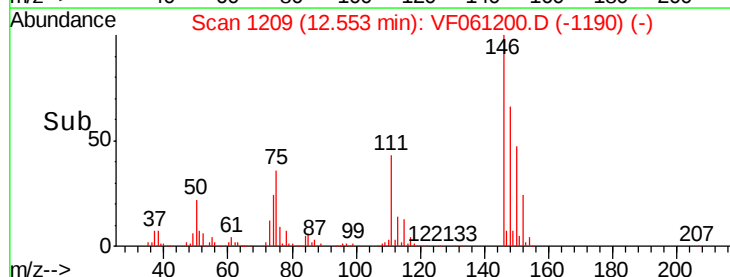
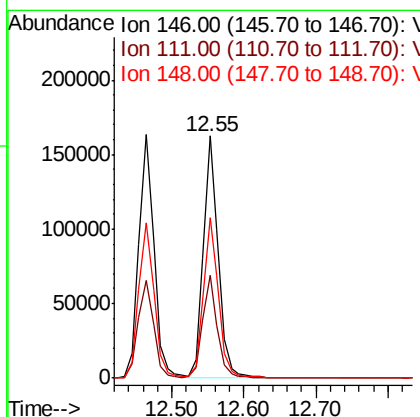
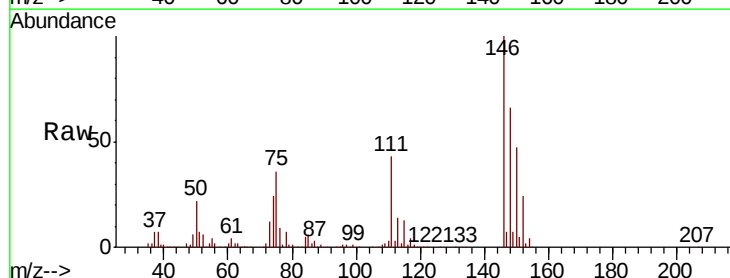
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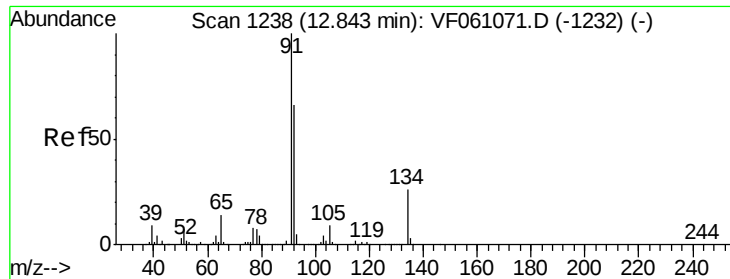
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#88
 1,4-Dichlorobenzene
 Concen: 51.225 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	19.4	58.4
148	66.3	32.4	97.0





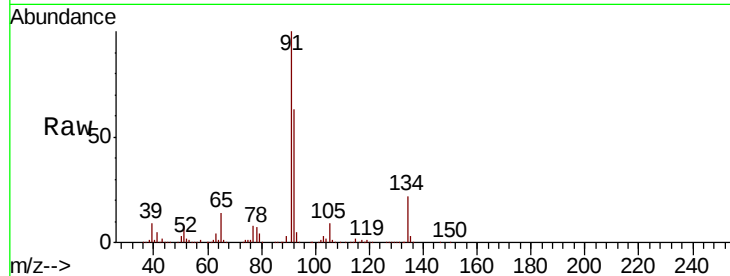
#89
n-Butylbenzene
Concen: 52.966 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.9	32.8	98.4
134	22.1	13.2	39.5

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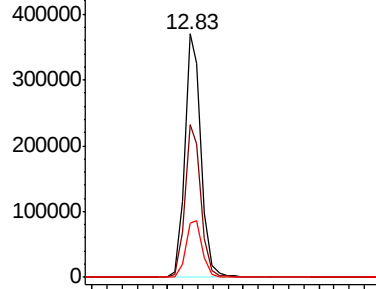


Abundance

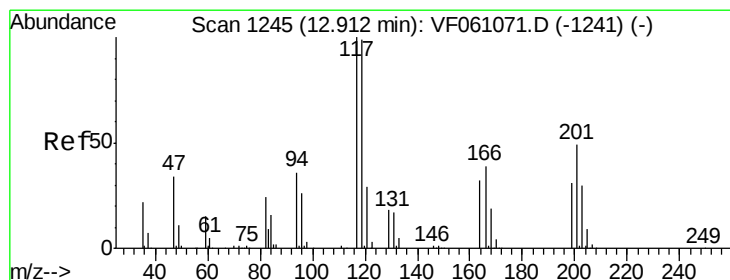
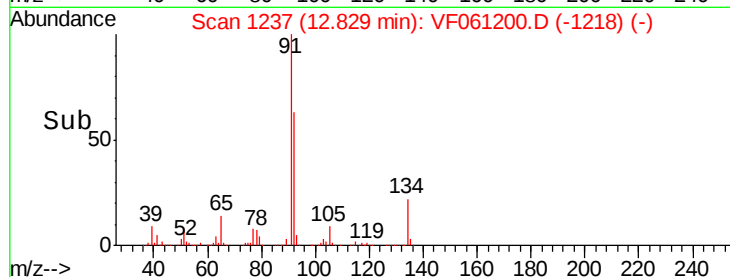
Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

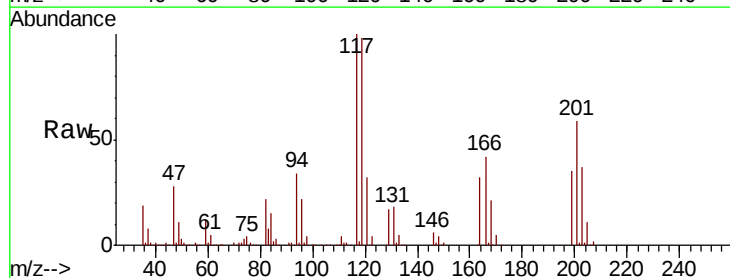


Time--> 12.70 12.80 12.90 13.00



#90
Hexachloroethane
Concen: 52.733 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061200.D
Acq: 26 Dec 2018 20:54

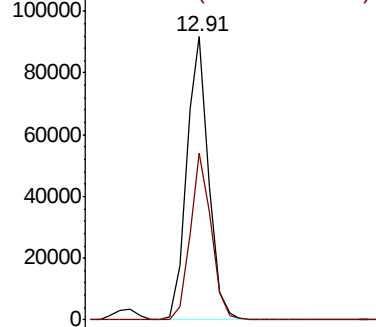
Tgt Ion	Ratio	Lower	Upper
117	100		
201	58.8	24.9	74.8



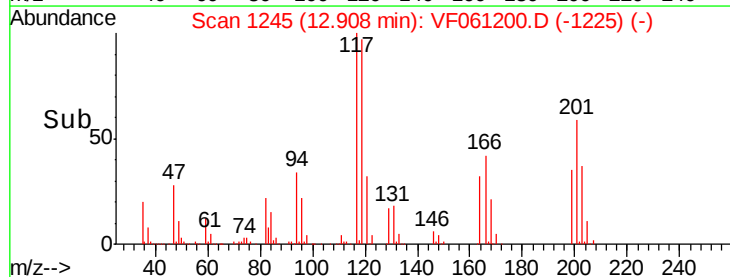
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



Time--> 12.80 12.90 13.00





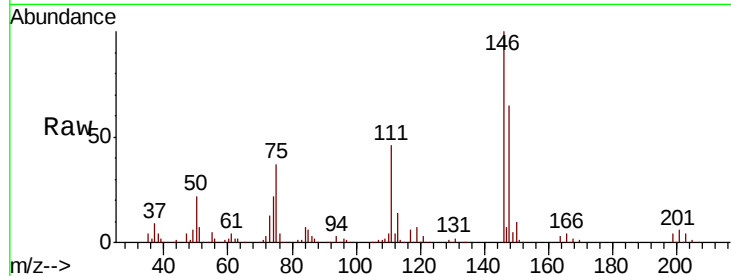
#91
 1,2-Dichlorobenzene
 Concen: 50.507 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	224899		
111	45.6	23.2	69.5	
148	65.1	32.4	97.0	

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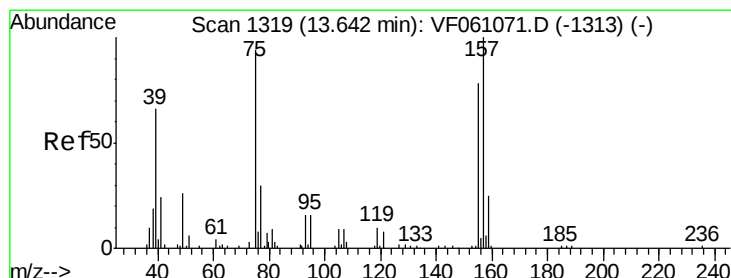
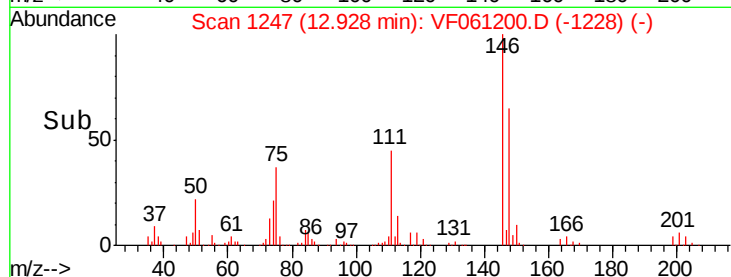
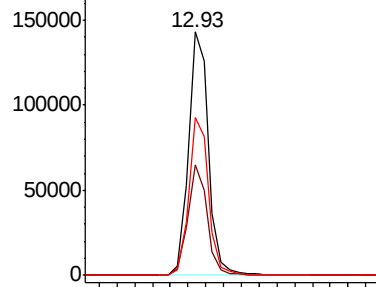


Abundance

Ion 146.00 (145.70 to 146.70): V

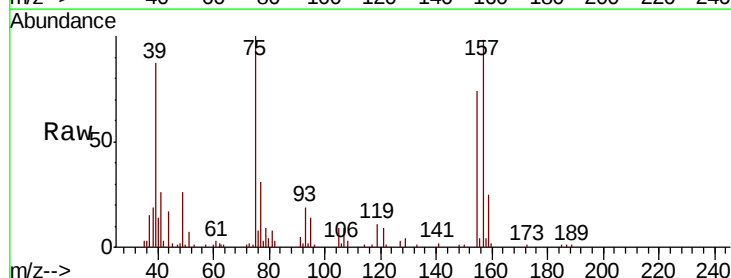
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.316 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19493		
155	73.7	41.5	124.5	
157	98.2	53.2	159.6	

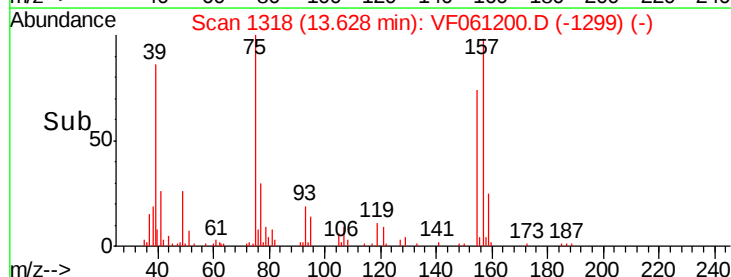
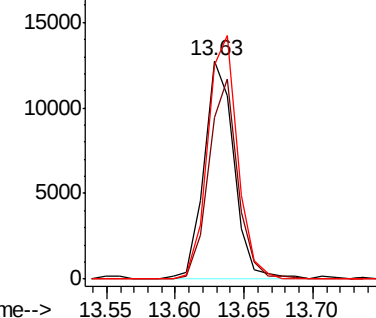


Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





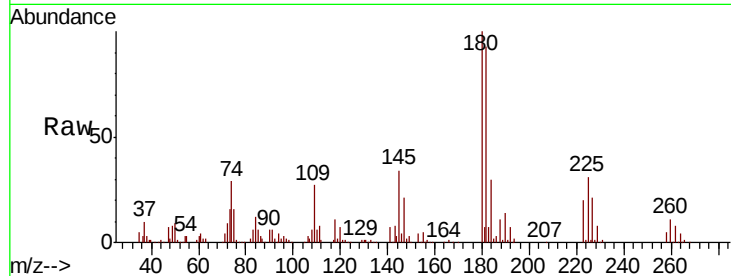
#93
 1,2,4-Trichlorobenzene
 Concen: 51.728 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	163354		
182	92.8	46.9	140.6	
145	33.6	20.5	61.6	

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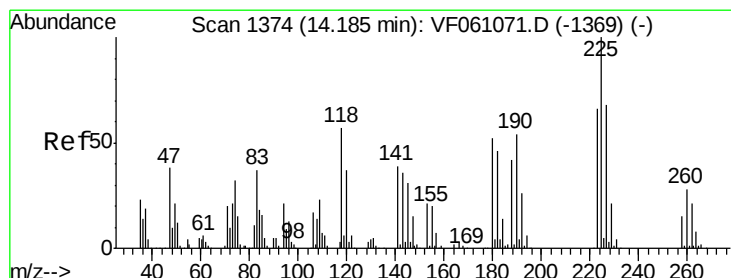
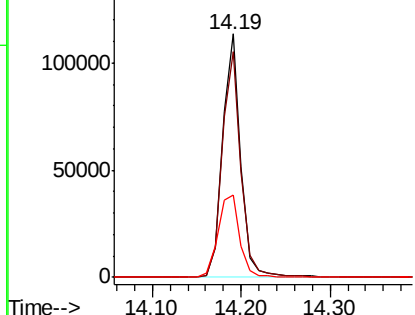
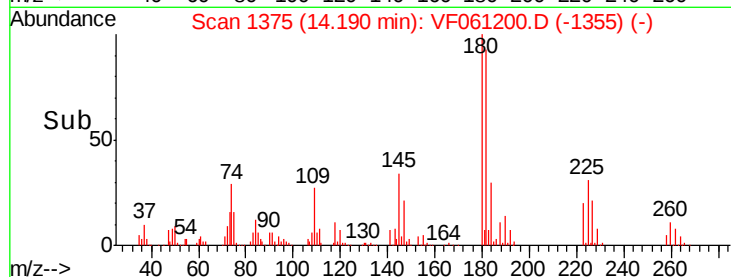


Abundance

Ion 180.00 (179.70 to 180.70): V

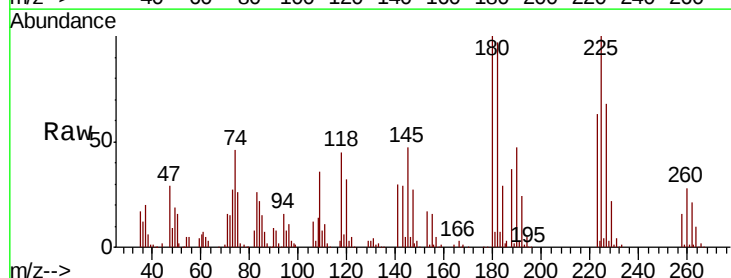
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 51.632 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061200.D
 Acq: 26 Dec 2018 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	103848		
223	63.3	32.8	98.3	
227	67.7	34.0	101.8	

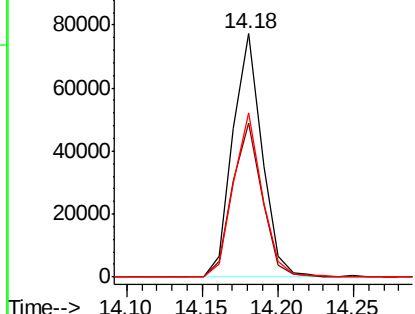
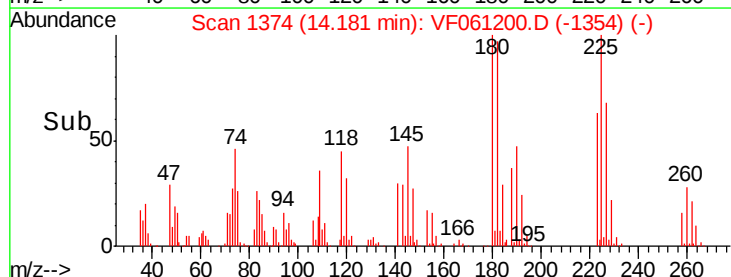


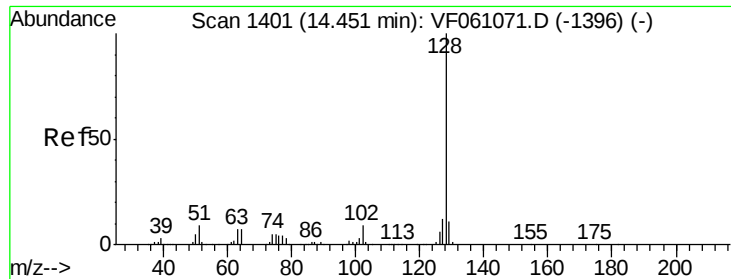
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 54.067 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Instrument :

MSVOA_F

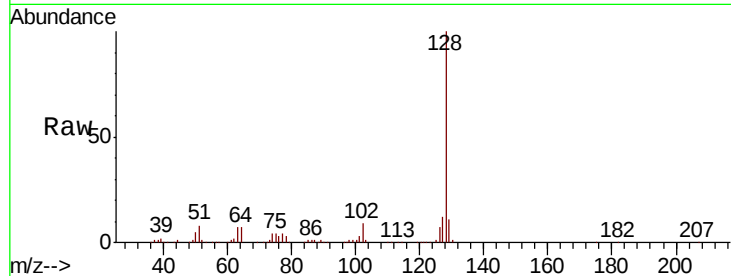
ClientSampleId :

VSTDCCC050EC

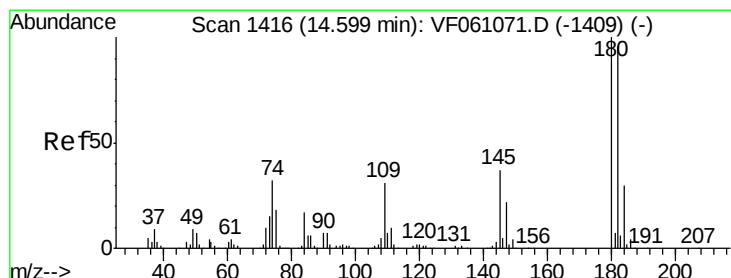
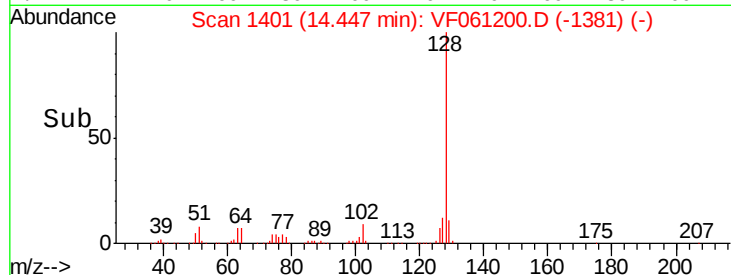
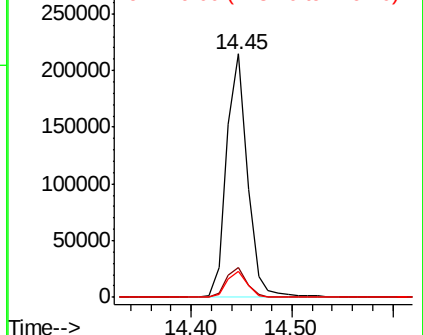
Tot Ion:	128	Resp:	311779
Ion Ratio		Lower	Upper
128	100		
127	12.1	9.4	14.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

apatel
12/27/2018 4:19:16 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.952 ug/l

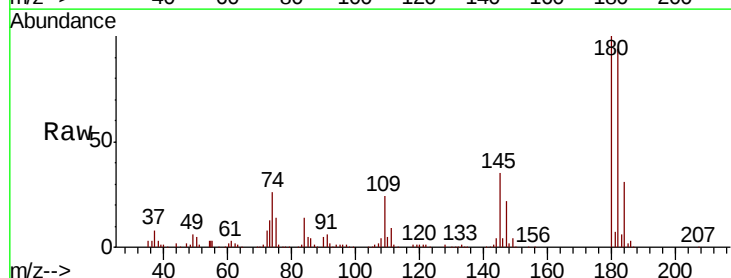
RT: 14.59 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF061200.D

Acq: 26 Dec 2018 20:54

Tgt Ion:	180	Resp:	157507
Ion Ratio		Lower	Upper
180	100		
182	94.3	47.9	143.8
145	35.2	18.6	55.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

