

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061072.D
 Acq On : 18 Dec 2018 20:20
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00G/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Dec 19 04:20:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 04:15:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	197125	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	351731	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	334441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	164544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	205729	88.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	177.54%	
35) Dibromofluoromethane	4.11	113	203253	74.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	148.42%	
50) Toluene-d8	7.56	98	589927	72.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	145.92%	
62) 4-Bromofluorobenzene	11.41	95	266156	72.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	145.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	320709	100.223	ug/l	91
3) Chloromethane	1.11	50	195382	95.270	ug/l	98
4) Vinyl Chloride	1.14	62	181768	95.764	ug/l #	79
5) Bromomethane	1.33	94	125395	95.017	ug/l	99
6) Chloroethane	1.39	64	81740	99.906	ug/l	88
7) Trichlorofluoromethane	1.49	101	331451	84.226	ug/l	98
8) Diethyl Ether	1.63	74	44865	79.650	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	169651	85.381	ug/l	96
10) Methyl Iodide	1.91	142	237875	78.143	ug/l	99
11) Tert butyl alcohol	2.57	59	40953	426.166	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	131463	82.329	ug/l	94
13) Acrolein	2.00	56	27346	327.752	ug/l	90
14) Allyl chloride	2.09	41	127750	68.602	ug/l	95
15) Acrylonitrile	2.94	53	90186	410.049	ug/l	96
16) Acetone	2.24	43	192693	433.472	ug/l	96
17) Carbon Disulfide	1.84	76	291823	66.643	ug/l	97
18) Methyl Acetate	2.35	43	74534	90.544	ug/l	99
19) Methyl tert-butyl Ether	2.44	73	299873	84.101	ug/l	99
20) Methylene Chloride	2.25	84	93014	61.087	ug/l	92
21) trans-1,2-Dichloroethene	2.31	96	89485	58.113	ug/l	92
22) Diisopropyl ether	2.80	45	457634	84.847	ug/l	96
23) Vinyl Acetate	3.19	43	1024274	413.767	ug/l	99
24) 1,1-Dichloroethane	2.87	63	268192	83.696	ug/l	99
25) 2-Butanone	4.33	43	288214	383.281	ug/l	96
26) 2,2-Dichloropropane	3.60	77	142202	70.162	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	208518	83.547	ug/l	97
28) Bromochloromethane	3.72	49	139150	88.461	ug/l	99
29) Tetrahydrofuran	4.07	42	116949	368.777	ug/l	97
30) Chloroform	3.86	83	380094	76.826	ug/l	99
31) Cyclohexane	3.69	56	147608	43.920	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	224250	68.475	ug/l	97
36) 1,1-Dichloropropene	4.28	75	289663	73.544	ug/l	96
37) Ethyl Acetate	4.11	43	114519	71.978	ug/l	98
38) Carbon Tetrachloride	3.98	117	223528	67.027	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	255761	62.467	ug/l	98
40) Benzene	4.64	78	598933	69.128	ug/l	96
41) Methacrylonitrile	4.74	41	59357	63.020	ug/l	97
42) 1,2-Dichloroethane	4.94	62	253637	80.296	ug/l	98
43) Isopropyl Acetate	6.95	43	153541	71.947	ug/l #	97
44) Trichloroethene	5.50	130	192365	68.074	ug/l	99
45) 1,2-Dichloropropane	6.23	63	175755	78.418	ug/l	98
46) Dibromomethane	6.09	93	116727	76.892	ug/l	96
47) Bromodichloromethane	6.38	83	304083	75.233	ug/l	97
48) Methyl methacrylate	6.72	41	105906	74.249	ug/l	97
49) 1,4-Dioxane	6.71	88	16073	1558.481	ug/l #	83
51) 4-Methyl-2-Pentanone	8.26	43	468022	322.924	ug/l	99
52) Toluene	7.62	92	416783	68.705	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	232702	71.310	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	299994	74.495	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	133040	76.212	ug/l	96
56) Ethyl methacrylate	8.62	69	146077	75.885	ug/l	95
57) 1,3-Dichloropropane	8.86	76	232120	75.758	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	140293	615.560	ug/l	97
59) 2-Hexanone	9.49	43	354423	346.051	ug/l	96
60) Dibromochloromethane	8.72	129	187169	71.788	ug/l	96
61) 1,2-Dibromoethane	8.99	107	137322	72.367	ug/l	99
64) Tetrachloroethene	8.16	164	178630	69.680	ug/l	96
65) Chlorobenzene	9.79	112	479981	74.290	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	193172	69.798	ug/l	94
67) Ethyl Benzene	9.89	91	861820	71.458	ug/l	100
68) m/p-Xylenes	10.13	106	599416	137.708	ug/l	96
69) o-Xylene	10.71	106	332393	69.379	ug/l	93
70) Styrene	10.79	104	460550	69.841	ug/l	98
71) Bromoform	10.77	173	93308	70.143	ug/l #	98
73) Isopropylbenzene	11.13	105	942221	71.511	ug/l	99
74) N-amyl acetate	11.37	43	217063	72.086	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	161369	74.680	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	122859	77.640	ug/l	99
77) Bromobenzene	11.49	156	210507	73.860	ug/l	97
78) n-propylbenzene	11.59	91	1057080	68.470	ug/l	99
79) 2-Chlorotoluene	11.72	91	636973	71.867	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	768215	71.874	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	77915	102.342	ug/l	92
82) 4-Chlorotoluene	11.90	91	679609	73.132	ug/l	98
83) tert-Butylbenzene	12.13	119	768923	70.329	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	789471	74.720	ug/l	99
85) sec-Butylbenzene	12.31	105	1017194	68.636	ug/l	94
86) p-Isopropyltoluene	12.46	119	840332	67.414	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	365108	67.357	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	380013	71.897	ug/l	96
89) n-Butylbenzene	12.84	91	865556	68.994	ug/l	99
90) Hexachloroethane	12.91	117	226760	75.840	ug/l	98
91) 1,2-Dichlorobenzene	12.94	146	367901	71.353	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	32882	78.702	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	260642	72.287	ug/l	92
94) Hexachlorobutadiene	14.18	225	172017	71.658	ug/l	96
95) Naphthalene	14.45	128	527822	66.687	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	249793	73.627	ug/l	98

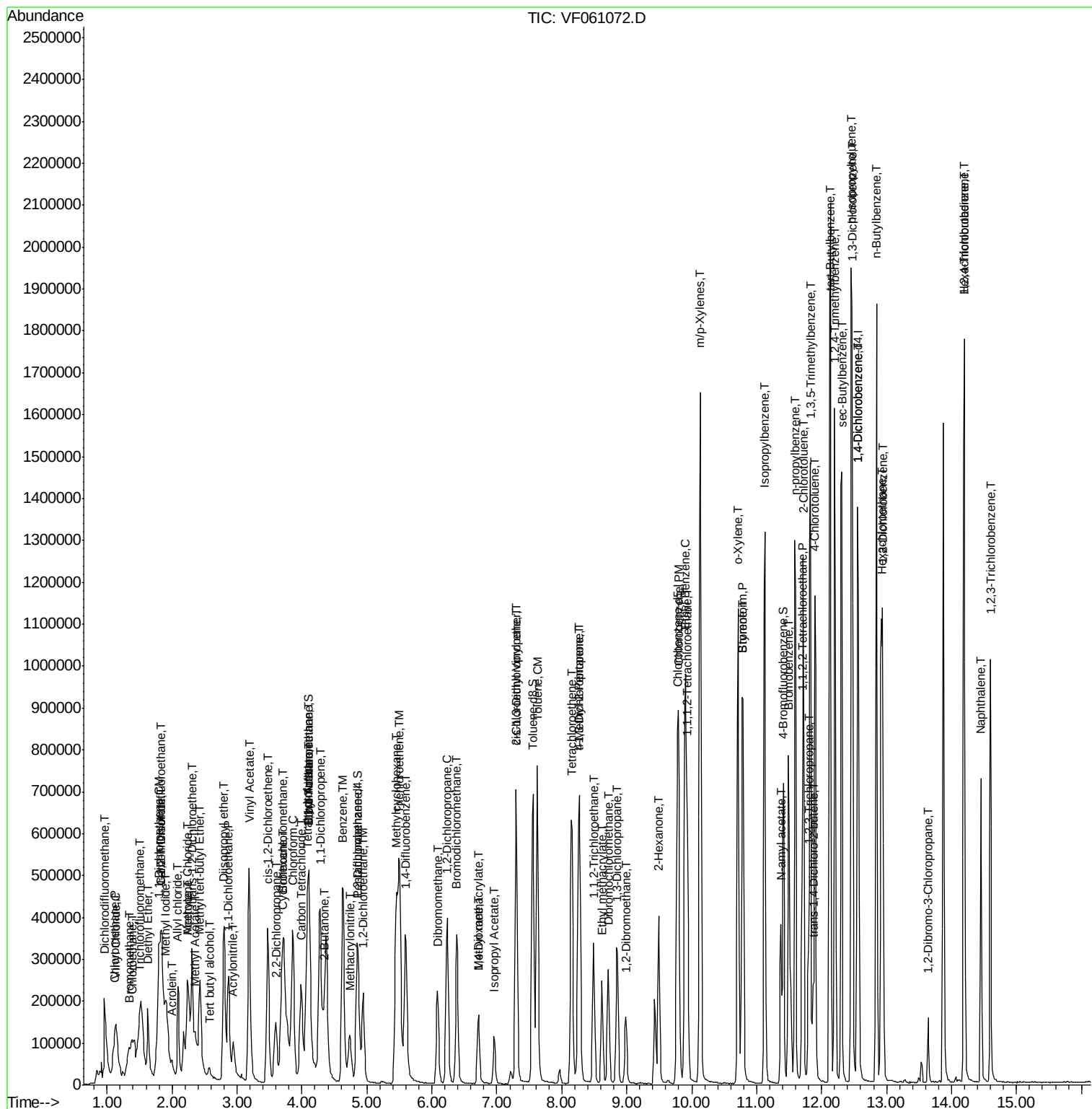
(#) = qualifier out of range (m) = manual integration (+) = signals summed

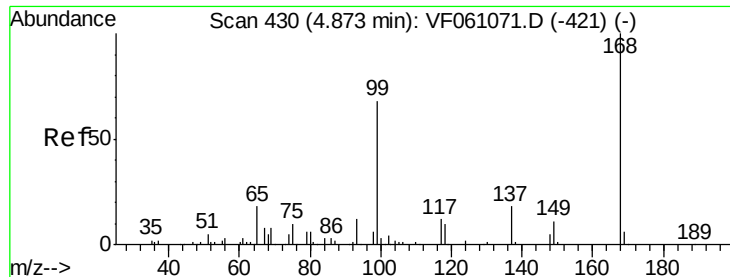
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
Data File : VF061072.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

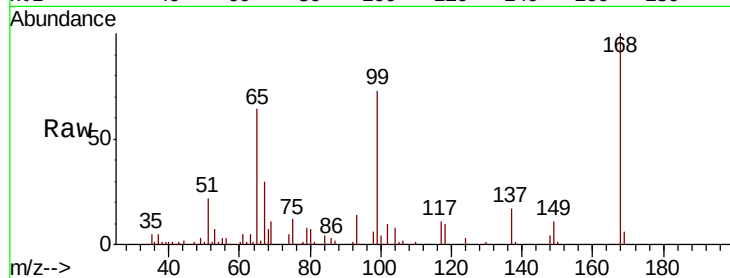
VSTDIC075

Tgt Ion:168 Resp: 197125

Ion Ratio Lower Upper

168 100

99 72.6 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

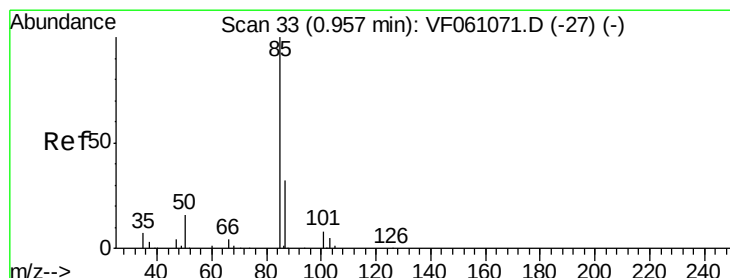
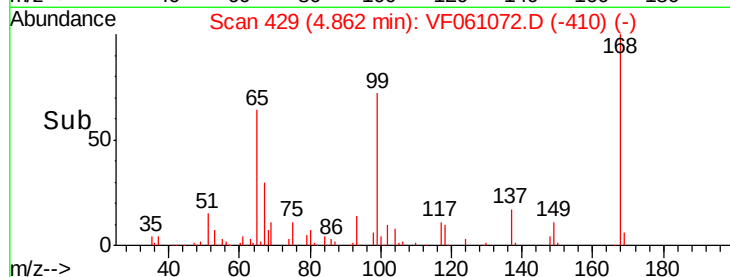
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 100.223 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061072.D

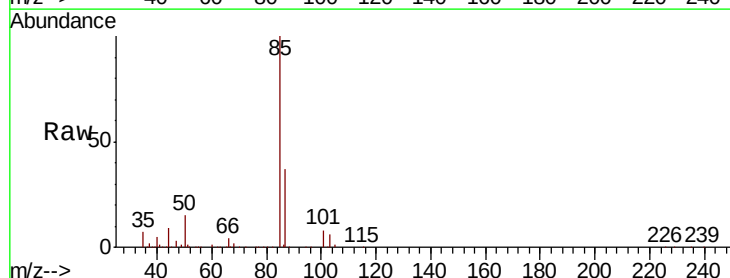
Acq: 18 Dec 2018 20:20

Tgt Ion: 85 Resp: 320709

Ion Ratio Lower Upper

85 100

87 36.6 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

100000

80000

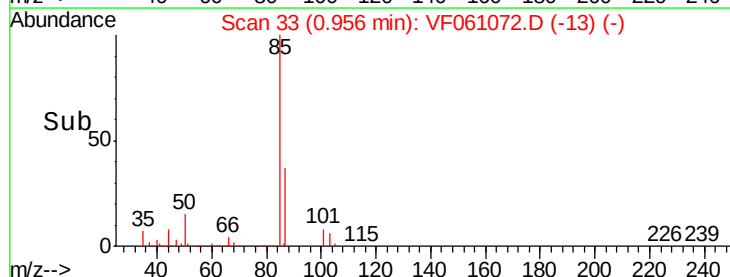
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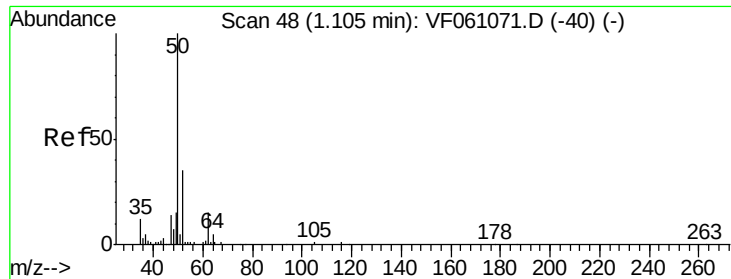
40000

20000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 95.270 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

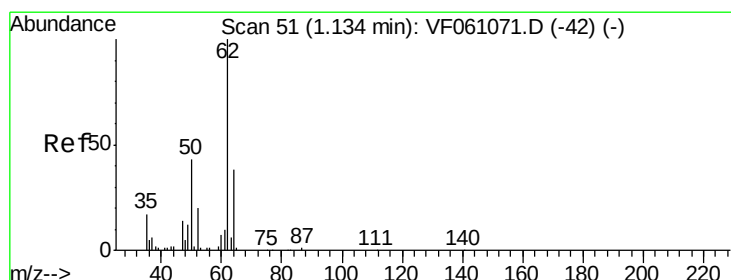
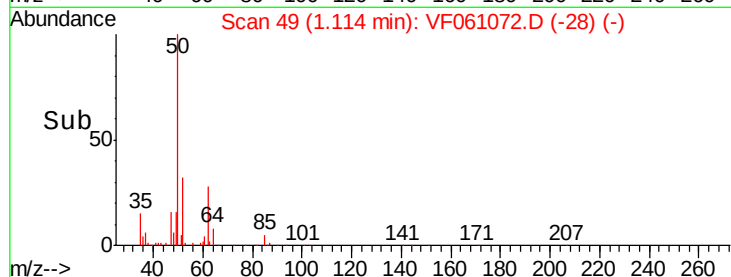
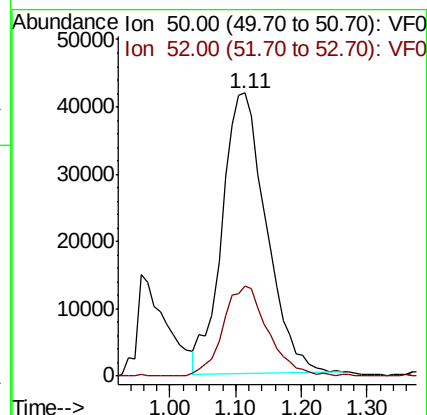
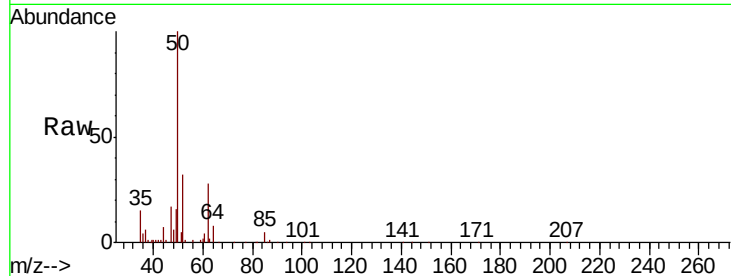
VSTDIC075

Tgt Ion: 50 Resp: 195382

Ion Ratio Lower Upper

50 100

52 31.6 26.3 39.5



#4

Vinyl Chloride

Concen: 95.764 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061072.D

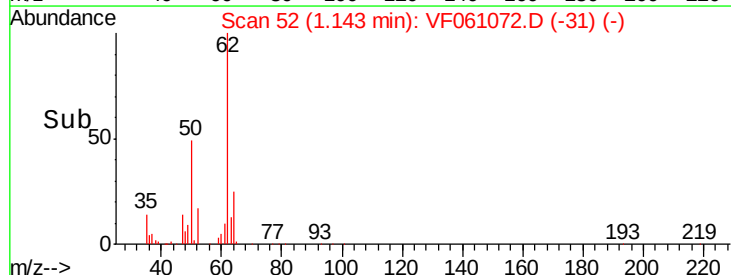
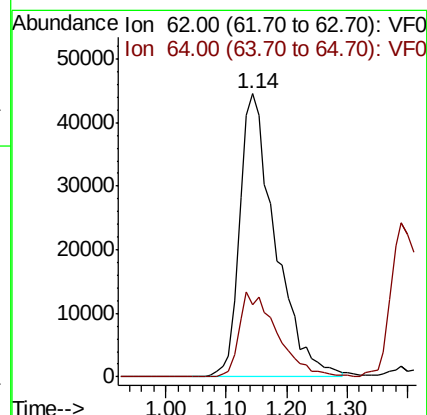
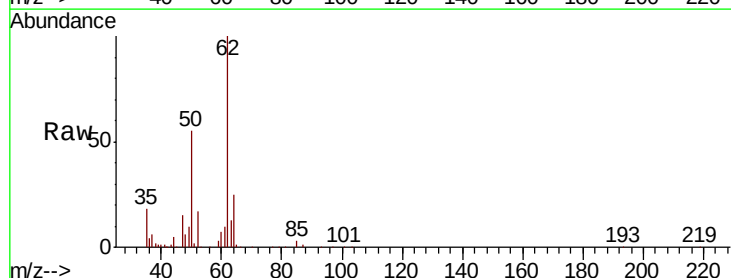
Acq: 18 Dec 2018 20:20

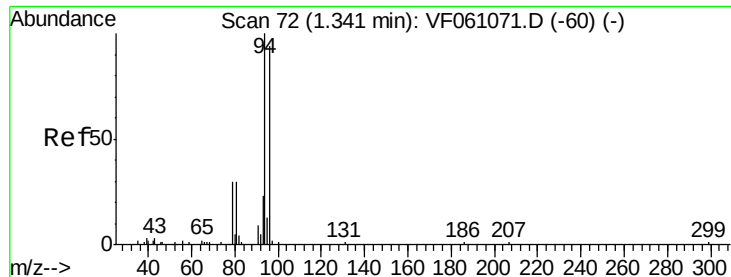
Tgt Ion: 62 Resp: 181768

Ion Ratio Lower Upper

62 100

64 25.4 30.4 45.6#





#5

Bromomethane

Concen: 95.017 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

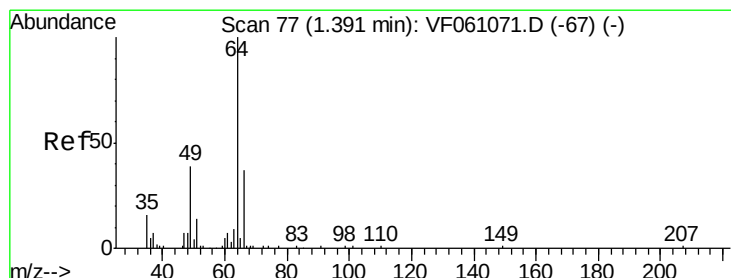
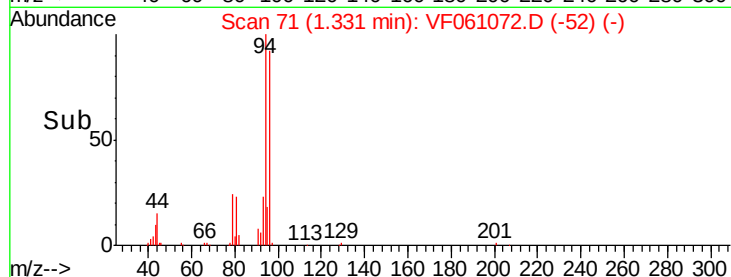
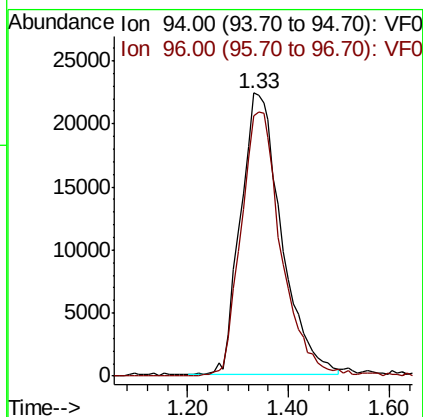
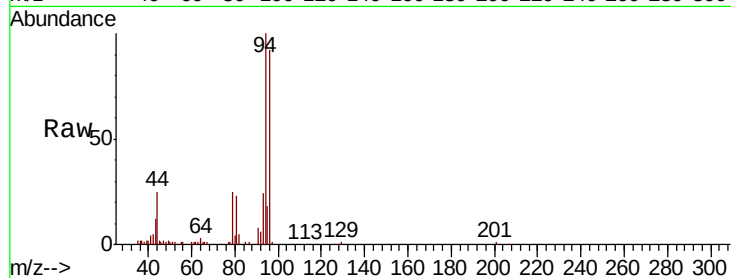
VSTDIC075

Tgt Ion: 94 Resp: 125395

Ion Ratio Lower Upper

94 100

96 91.8 74.4 111.6



#6

Chloroethane

Concen: 99.906 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061072.D

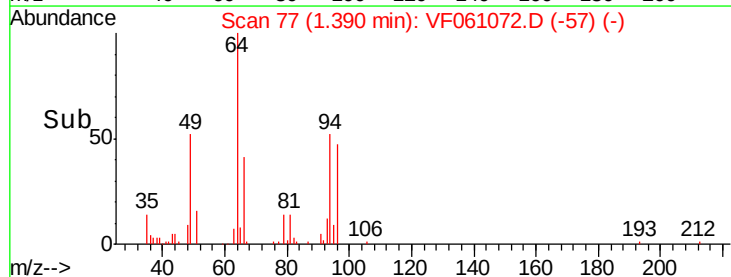
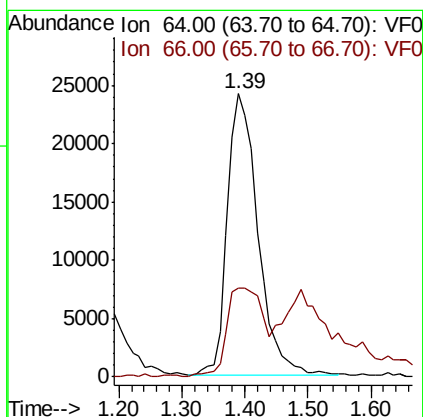
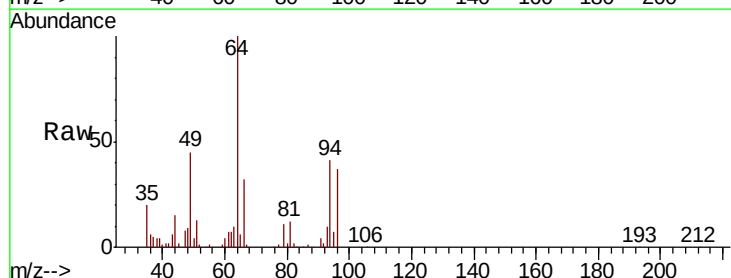
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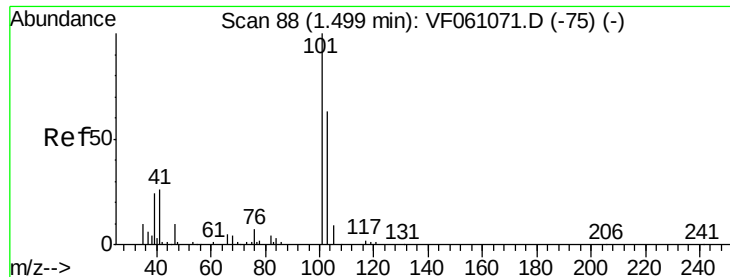
Tgt Ion: 64 Resp: 81740

Ion Ratio Lower Upper

64 100

66 31.6 30.9 46.3





#7

Trichlorofluoromethane

Concen: 84.226 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.01 min

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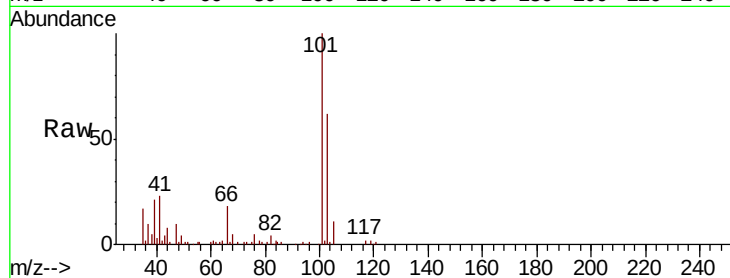
VSTDIC075

Tgt Ion:101 Resp: 331451

Ion Ratio Lower Upper

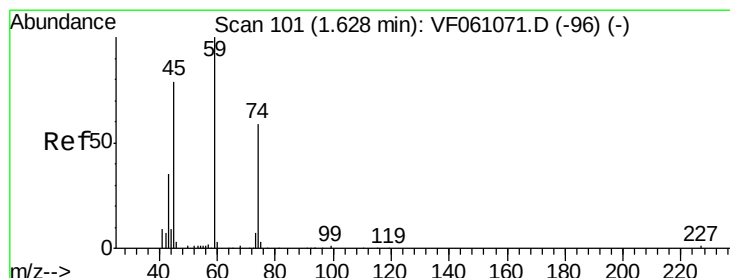
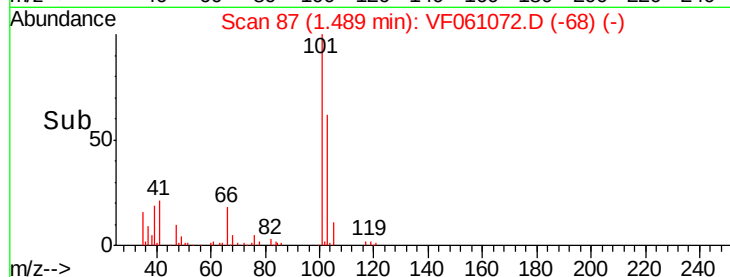
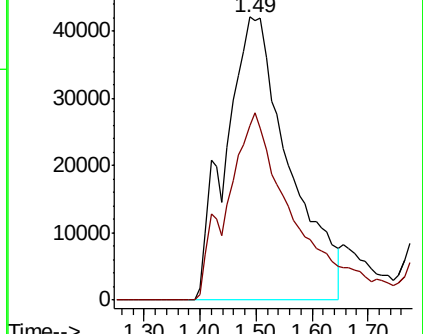
101 100

103 61.6 50.7 76.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 79.650 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061072.D

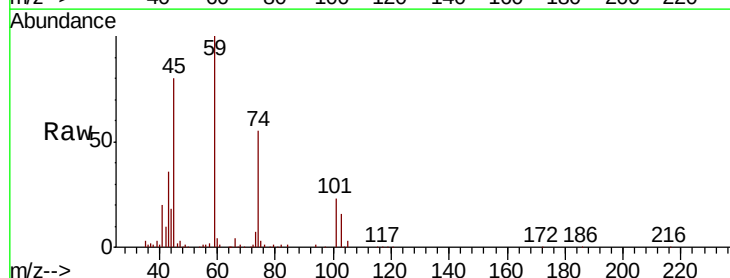
Acq: 18 Dec 2018 20:20

Tgt Ion: 74 Resp: 44865

Ion Ratio Lower Upper

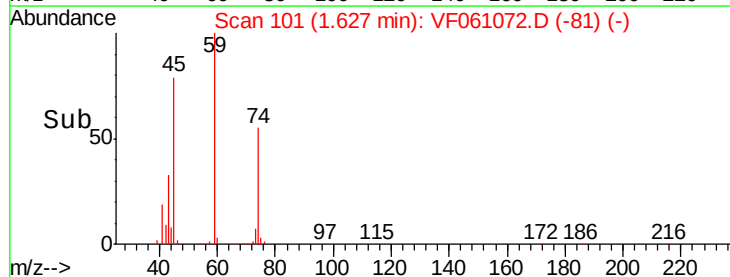
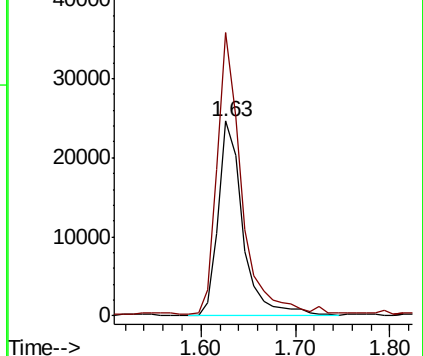
74 100

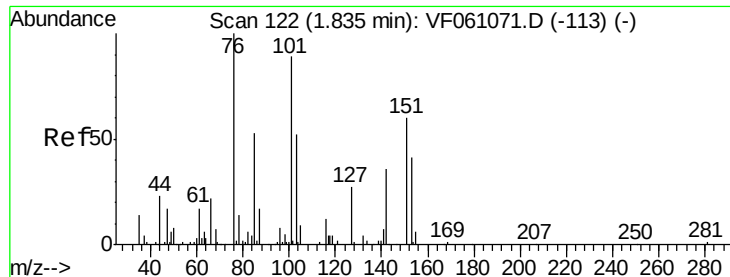
45 145.4 67.8 203.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 85.381 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

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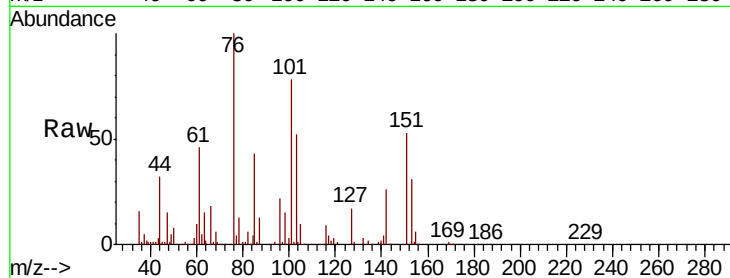
Tgt Ion:101 Resp: 169651

Ion Ratio Lower Upper

101 100

85 54.7 44.5 66.7

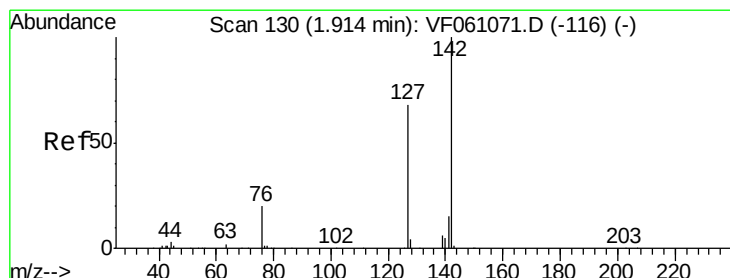
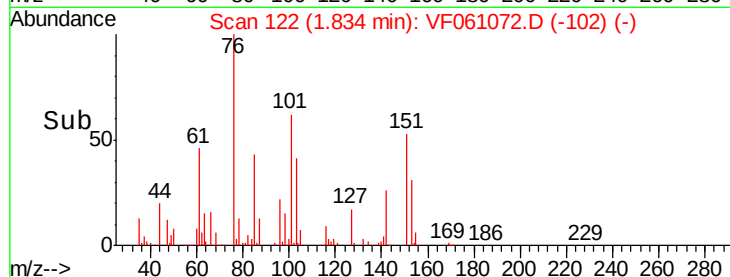
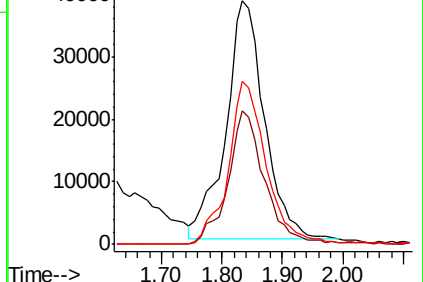
151 67.1 49.9 74.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 78.143 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

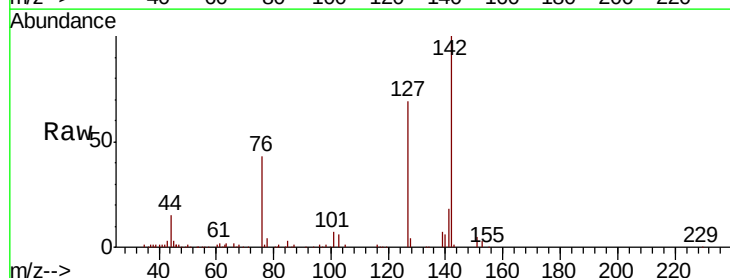
Tgt Ion:142 Resp: 237875

Ion Ratio Lower Upper

142 100

127 68.6 54.7 82.1

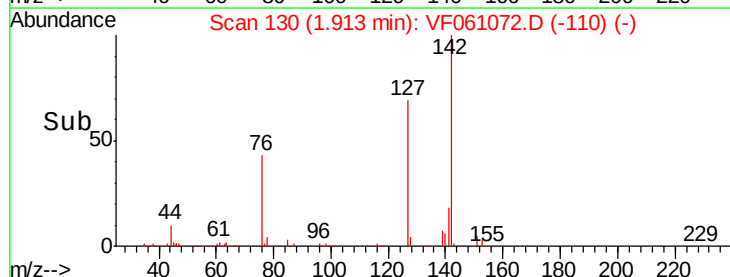
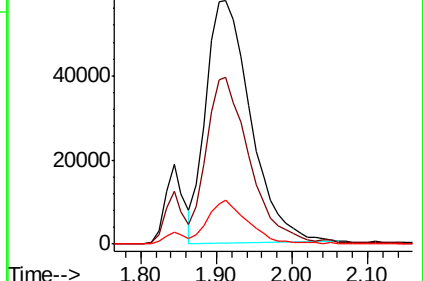
141 17.8 12.2 18.2

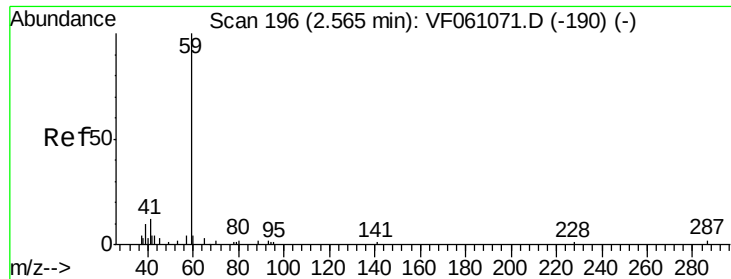


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

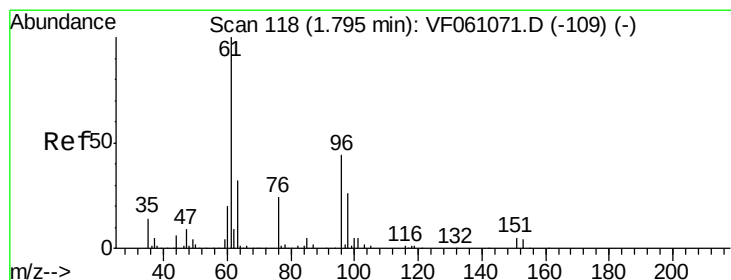
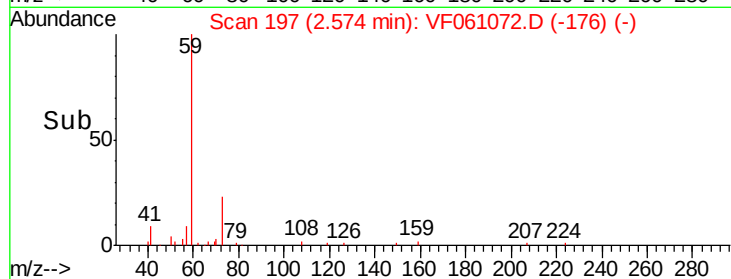
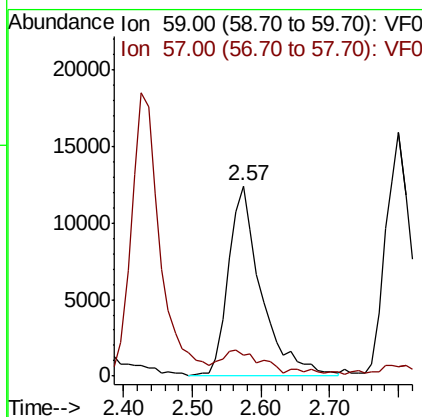
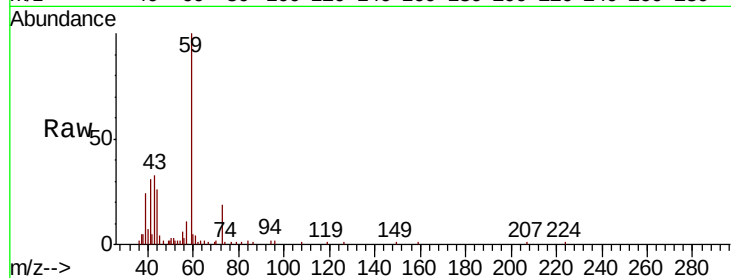




#11
Tert butyl alcohol
Concen: 426.166 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

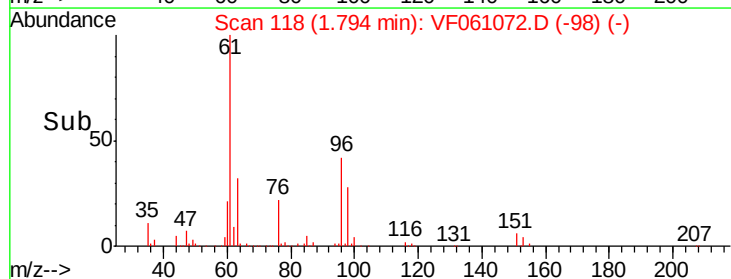
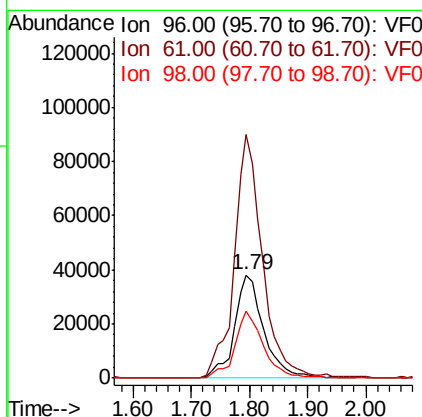
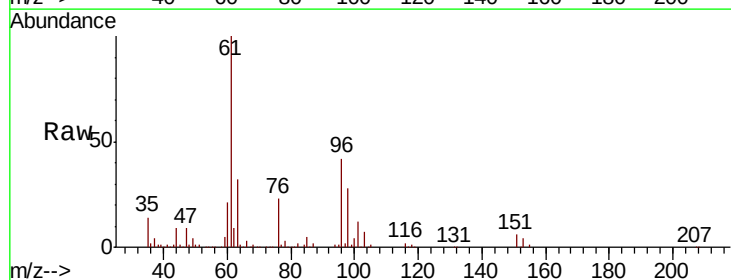
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

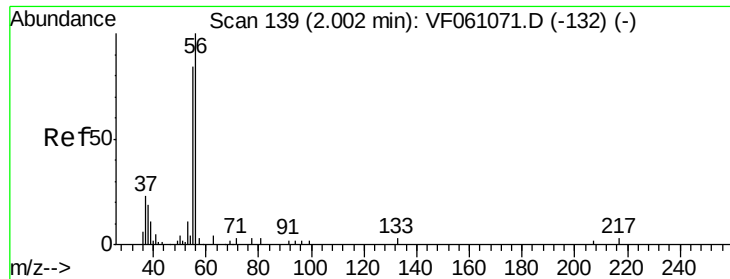
Tgt Ion: 59 Resp: 40953
Ion Ratio Lower Upper
59 100
57 11.0 11.5 17.3#



#12
1,1-Dichloroethene
Concen: 82.329 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion: 96 Resp: 131463
Ion Ratio Lower Upper
96 100
61 236.7 182.0 273.0
98 65.2 46.5 69.7

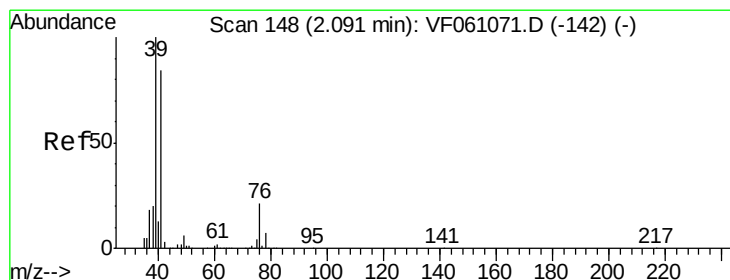
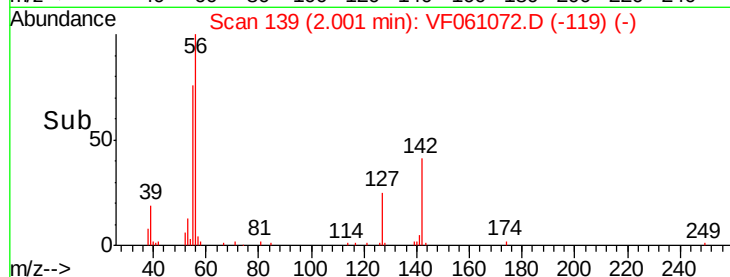
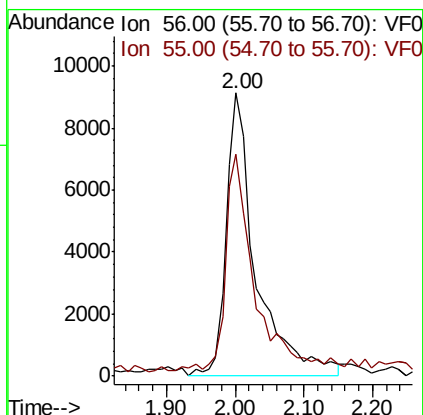
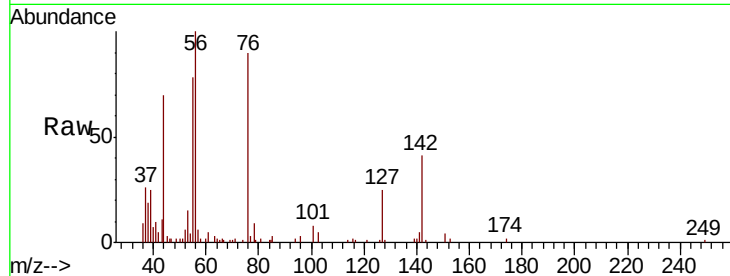




#13
Acrolein
Concen: 327.752 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

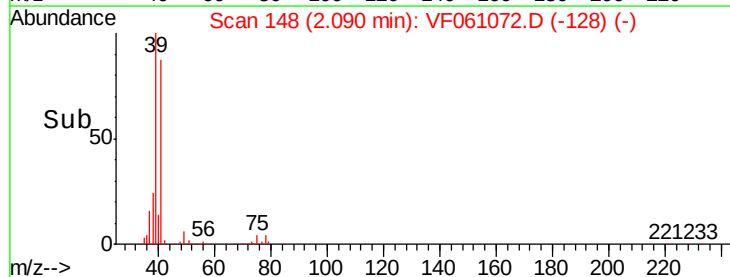
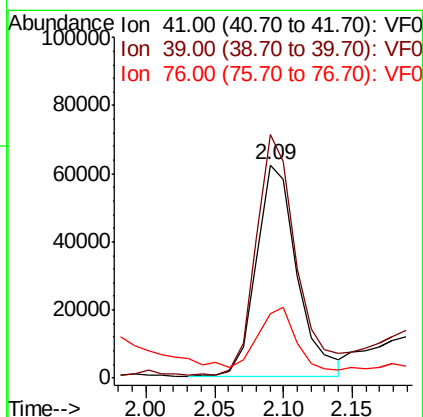
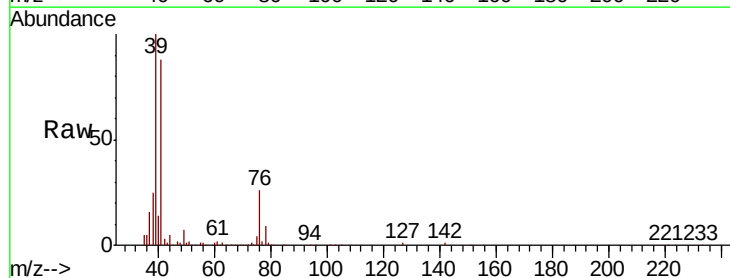
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

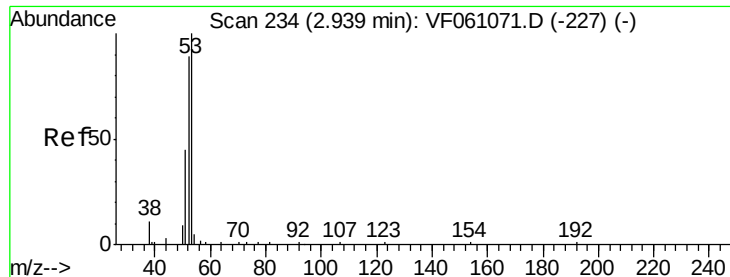
Tgt Ion: 56 Resp: 27346
Ion Ratio Lower Upper
56 100
55 78.5 70.2 105.2



#14
Allyl chloride
Concen: 68.602 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion: 41 Resp: 127750
Ion Ratio Lower Upper
41 100
39 114.1 96.4 144.6
76 30.2 25.4 38.0





#15

Acrylonitrile

Concen: 410.049 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

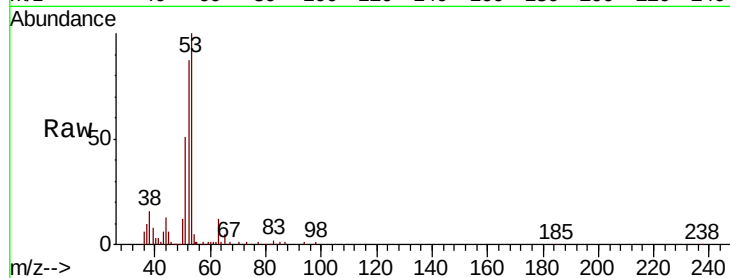
Tgt Ion: 53 Resp: 90186

Ion Ratio Lower Upper

53 100

52 86.9 71.3 106.9

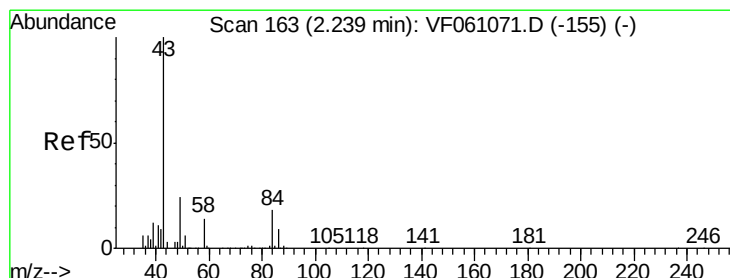
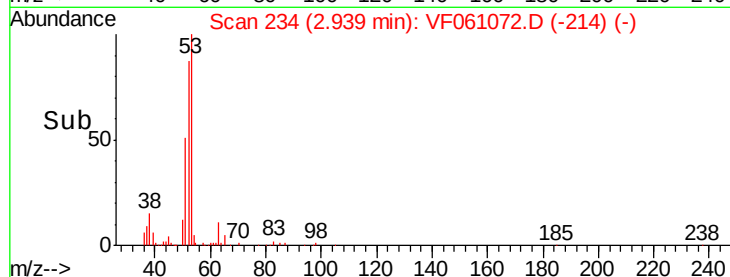
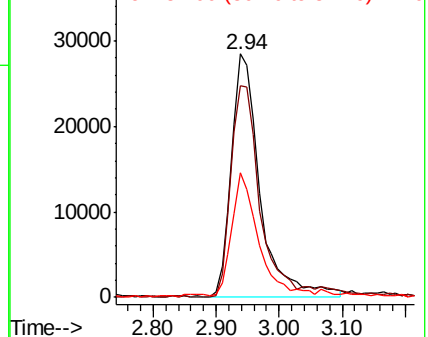
51 51.3 36.8 55.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 433.472 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061072.D

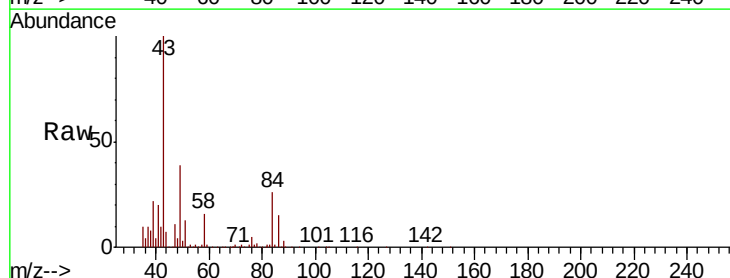
Acq: 18 Dec 2018 20:20

Tgt Ion: 43 Resp: 192693

Ion Ratio Lower Upper

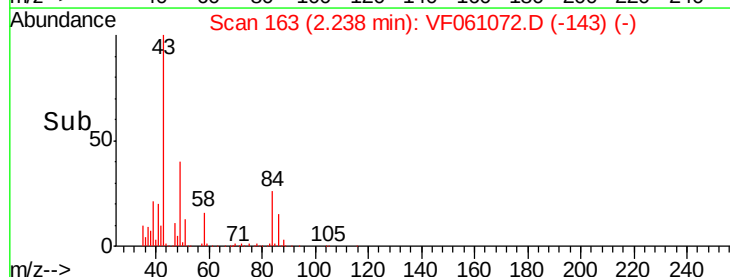
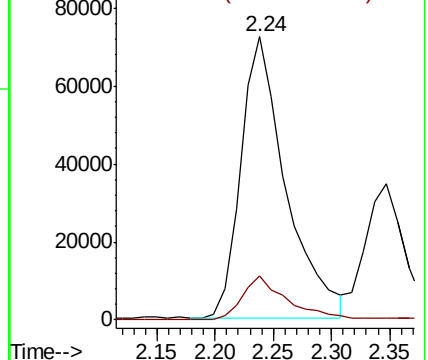
43 100

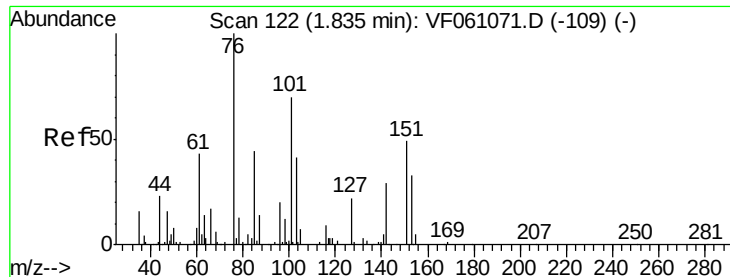
58 15.5 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 66.643 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

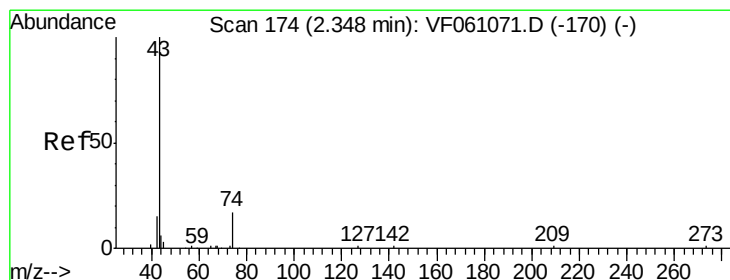
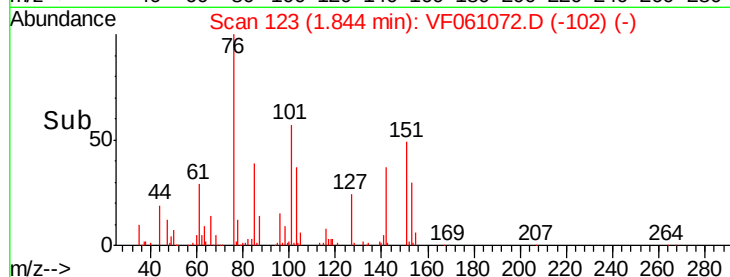
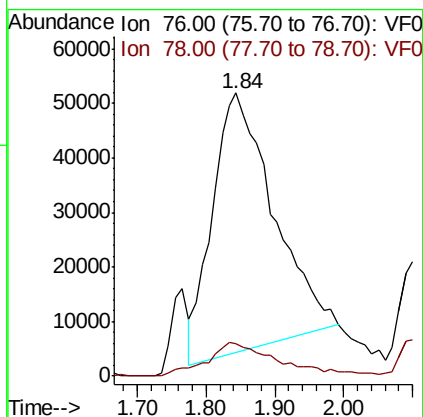
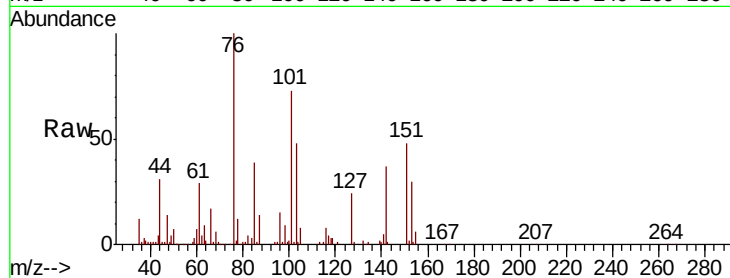
VSTDIC075

Tgt Ion: 76 Resp: 291823

Ion Ratio Lower Upper

76 100

78 11.6 10.2 15.4



#18

Methyl Acetate

Concen: 90.544 ug/l

RT: 2.35 min Scan# 174

Delta R.T. -0.00 min

Lab File: VF061072.D

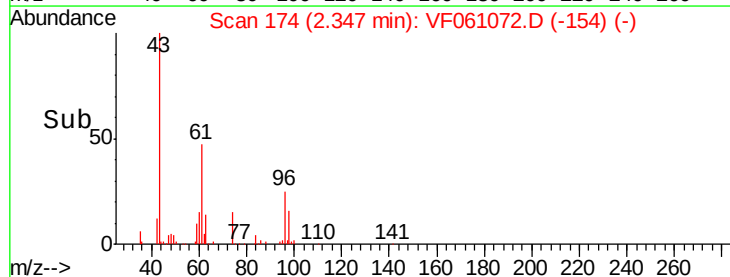
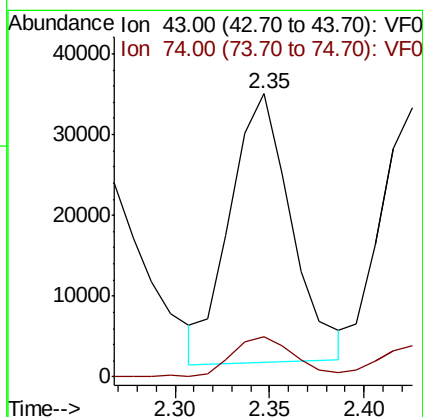
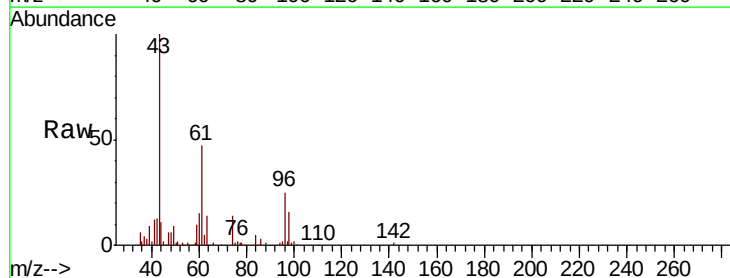
Acq: 18 Dec 2018 20:20

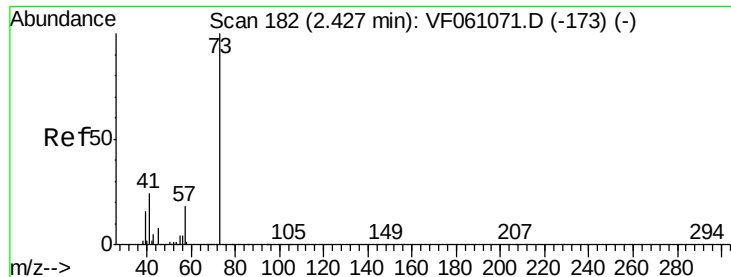
Tgt Ion: 43 Resp: 74534

Ion Ratio Lower Upper

43 100

74 14.4 11.0 16.6





#19

Methyl tert-butyl Ether

Concen: 84.101 ug/l

RT: 2.44 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

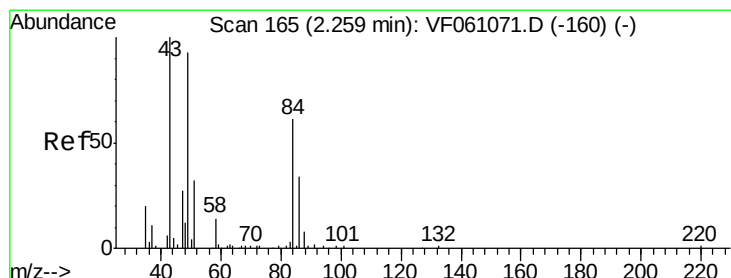
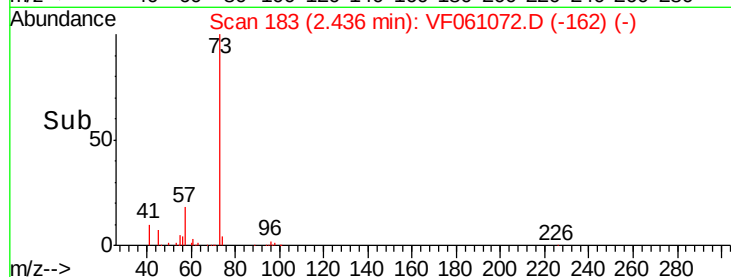
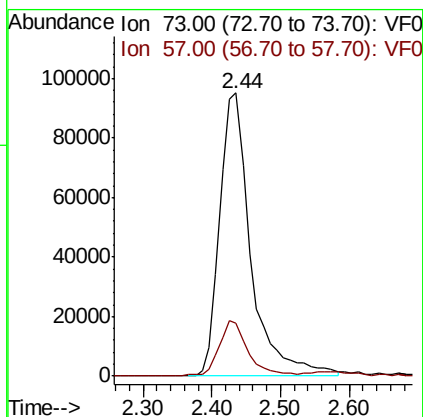
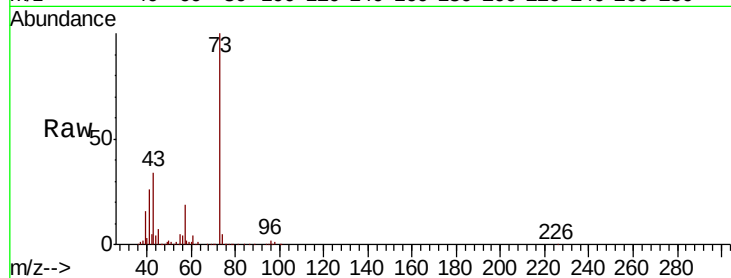
VSTDIC075

Tgt Ion: 73 Resp: 299873

Ion Ratio Lower Upper

73 100

57 18.5 14.5 21.7



#20

Methylene Chloride

Concen: 61.087 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Tgt Ion: 84 Resp: 93014

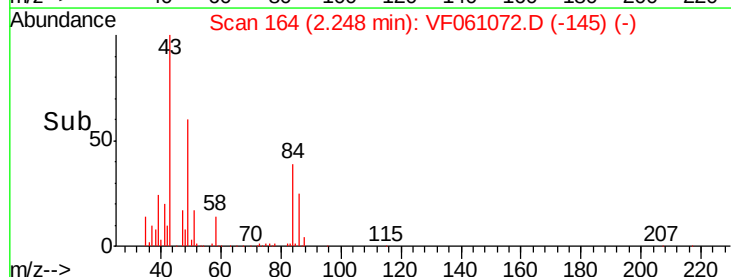
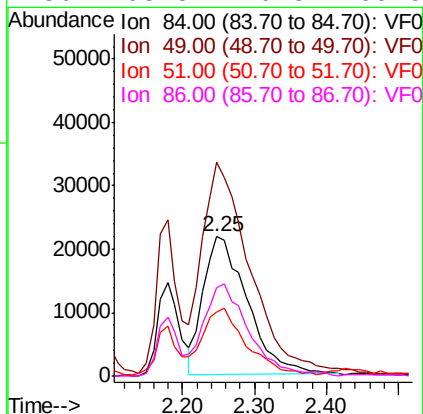
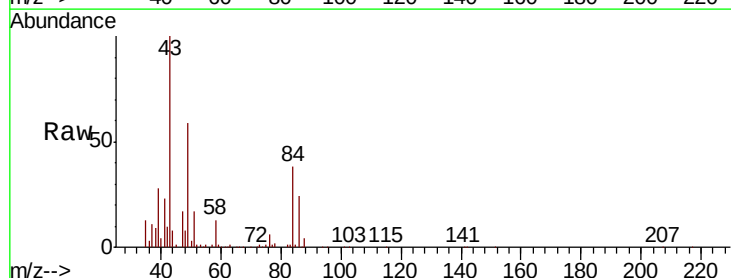
Ion Ratio Lower Upper

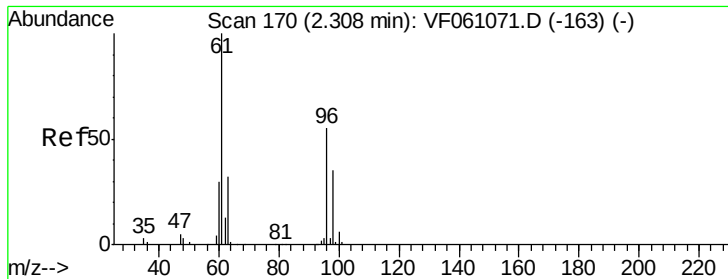
84 100

49 153.4 129.4 194.2

51 45.6 44.0 66.0

86 63.8 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 58.113 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

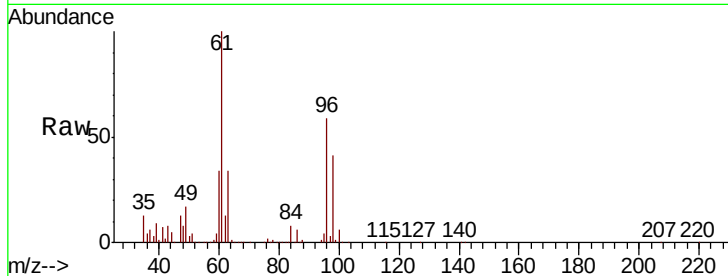
Tgt Ion: 96 Resp: 89485

Ion Ratio Lower Upper

96 100

61 170.6 146.0 219.0

98 70.4 51.6 77.4

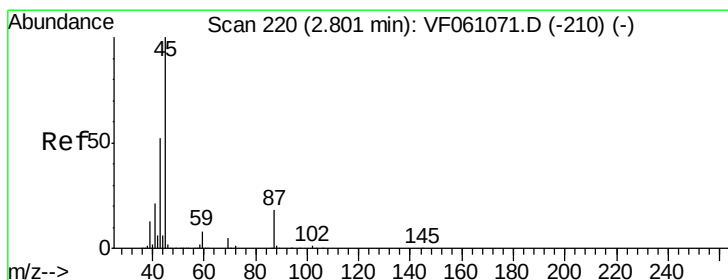
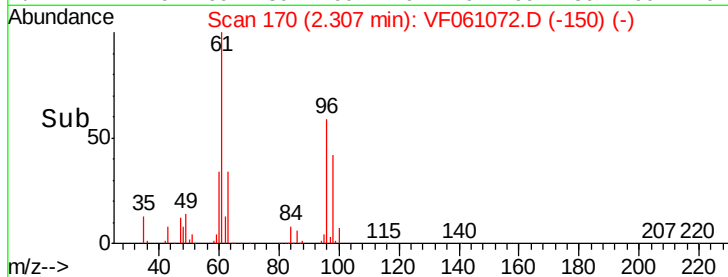
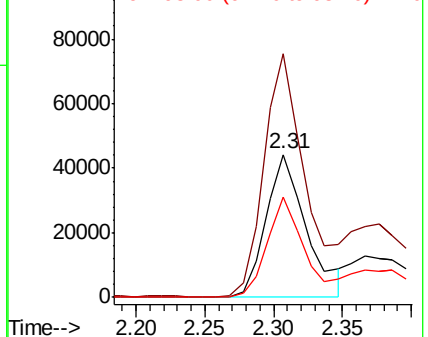


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 84.847 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Tgt Ion: 45 Resp: 457634

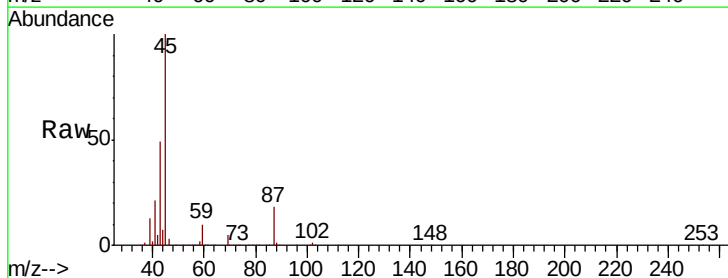
Ion Ratio Lower Upper

45 100

43 49.4 42.2 63.2

87 18.4 14.6 22.0

59 10.2 7.0 10.4



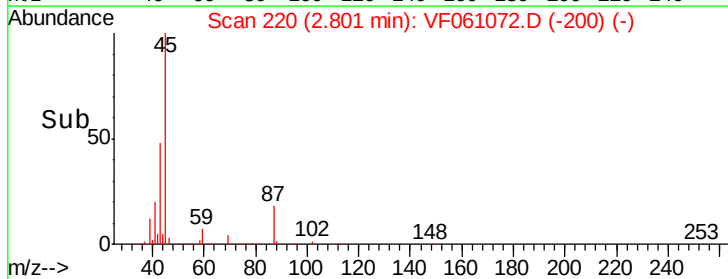
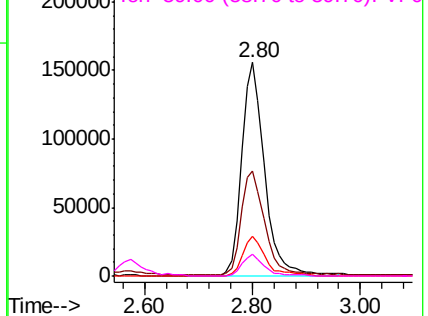
Abundance

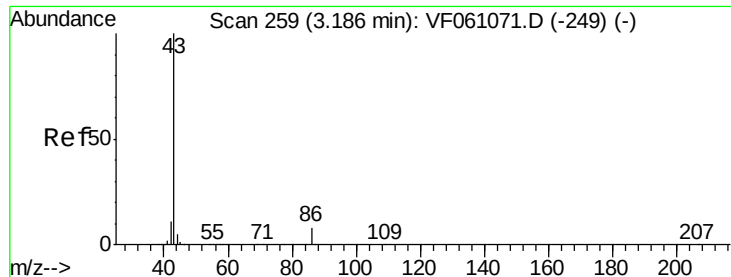
Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 413.767 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

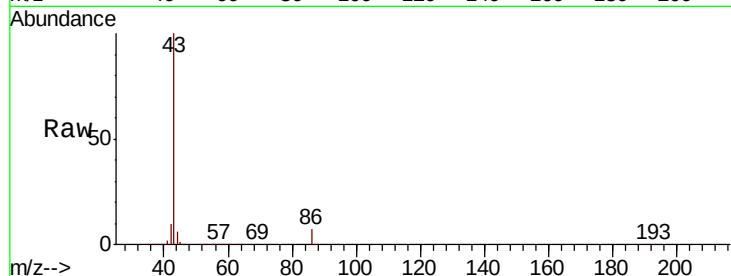
VSTDIC075

Tgt Ion: 43 Resp: 1024274

Ion Ratio Lower Upper

43 100

86 7.5 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.19

400000

300000

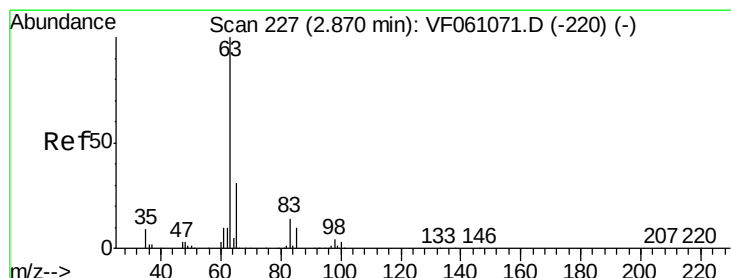
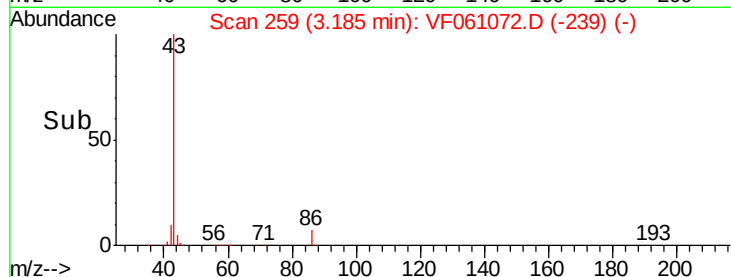
200000

100000

0

3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 83.696 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

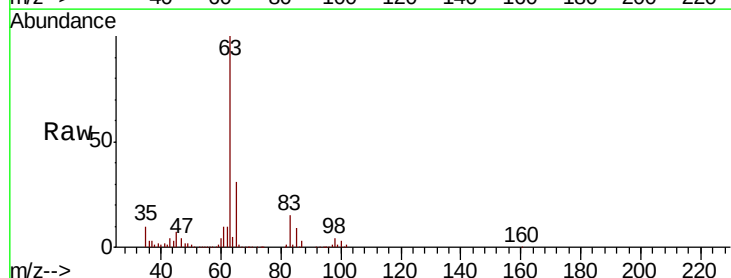
Tgt Ion: 63 Resp: 268192

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.5

100 2.9 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

2.87

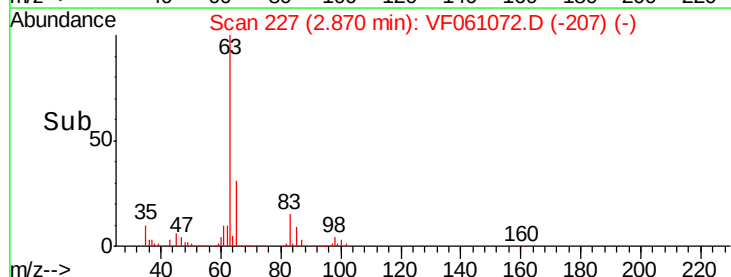
100000

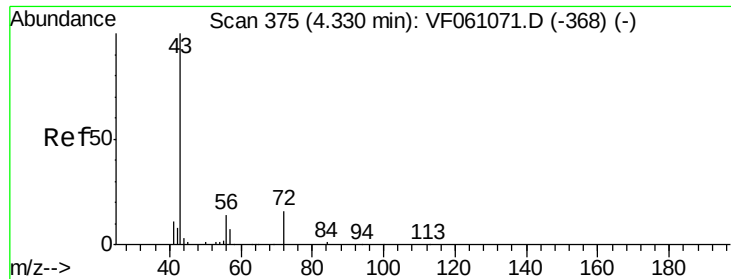
50000

0

2.70 2.80 2.90 3.00

Time-->

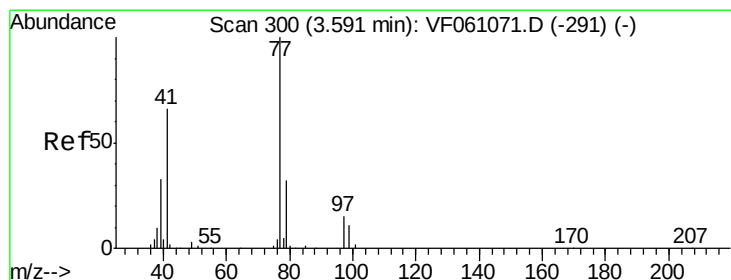
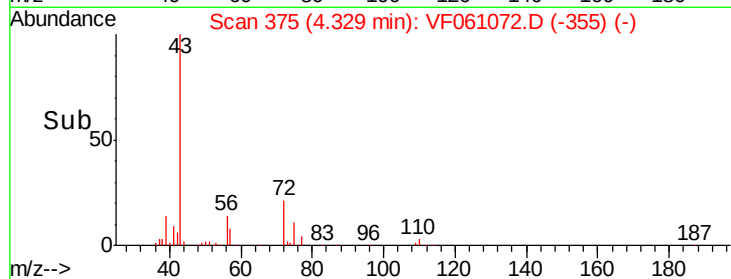
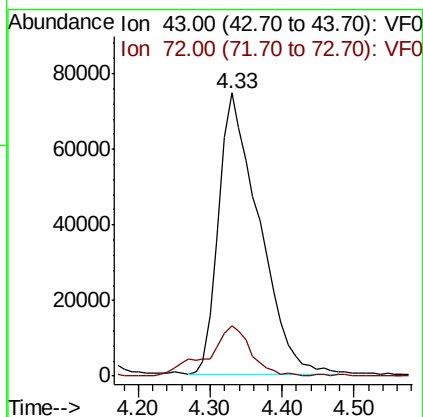
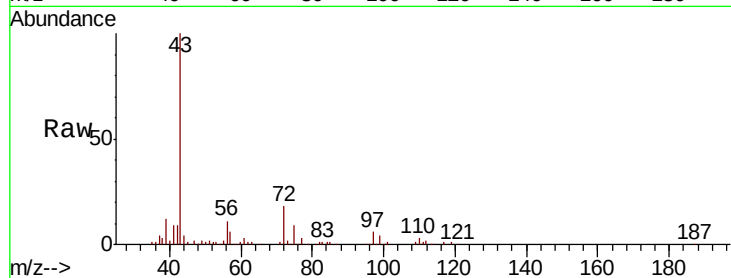




#25
 2-Butanone
 Concen: 383.281 ug/l
 RT: 4.33 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

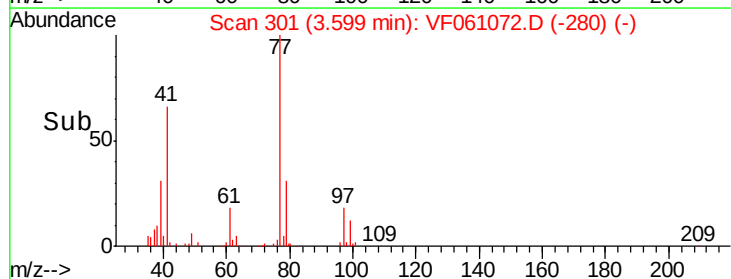
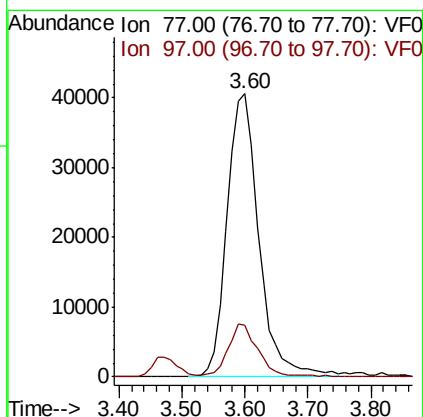
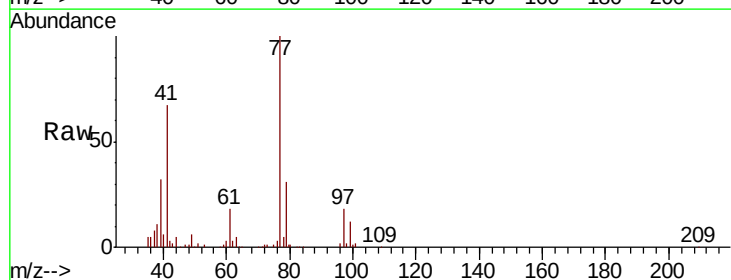
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

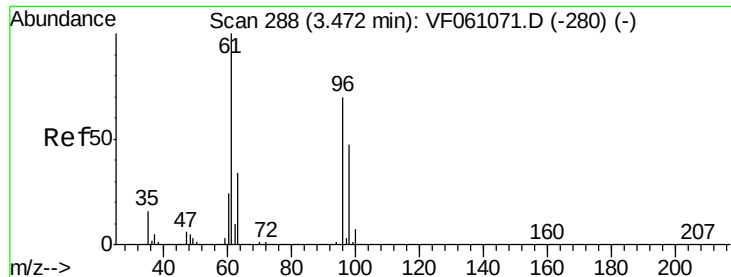
Tgt Ion: 43 Resp: 288214
 Ion Ratio Lower Upper
 43 100
 72 17.6 15.6 23.4



#26
 2,2-Dichloropropane
 Concen: 70.162 ug/l
 RT: 3.60 min Scan# 301
 Delta R.T. 0.01 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion: 77 Resp: 142202
 Ion Ratio Lower Upper
 77 100
 97 18.1 8.2 24.4



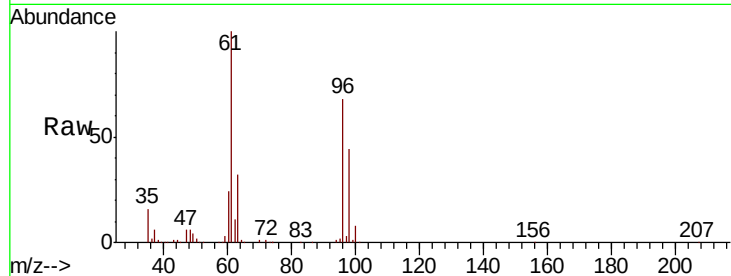


#27

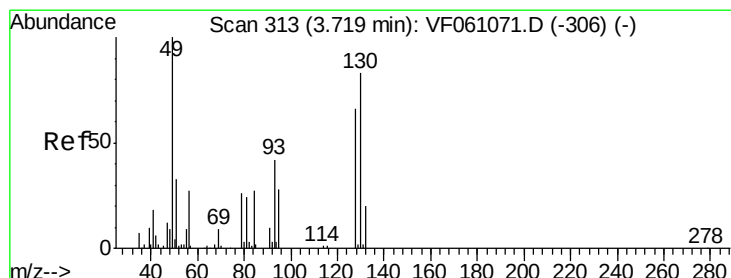
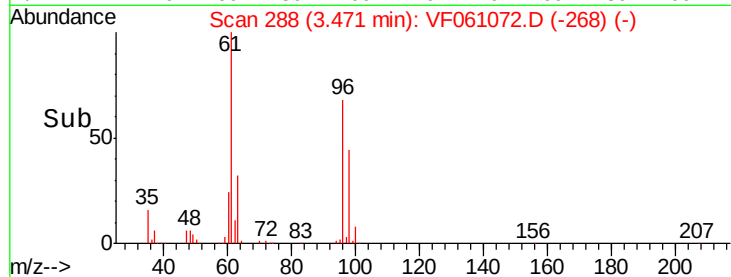
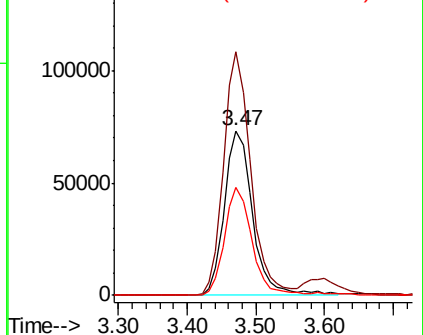
cis-1,2-Dichloroethene
 Concen: 83.547 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	287.8
98	65.2	0.0	134.2



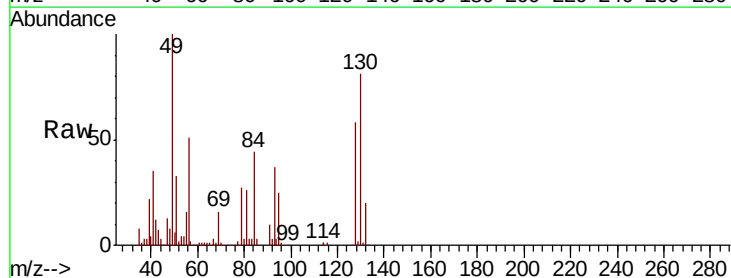
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



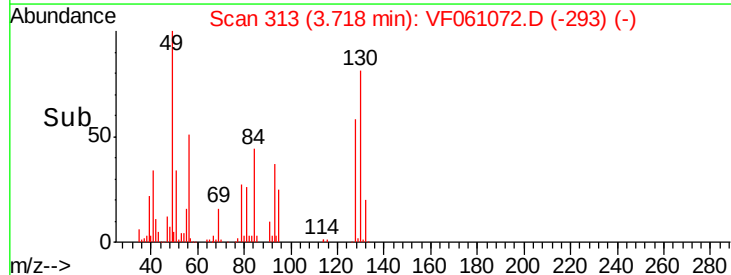
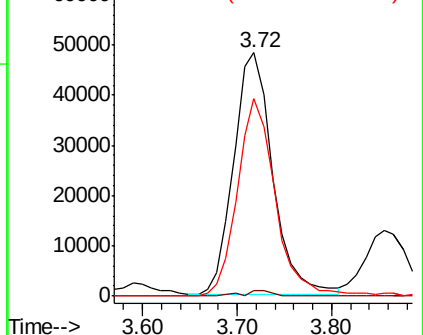
#28

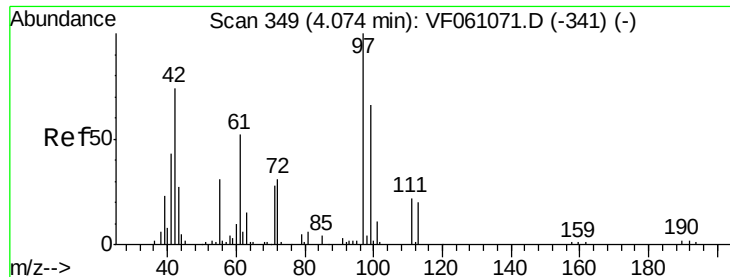
Bromochloromethane
 Concen: 88.461 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.6
130	80.9	65.8	98.6



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





#29

Tetrahydrofuran

Concen: 368.777 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

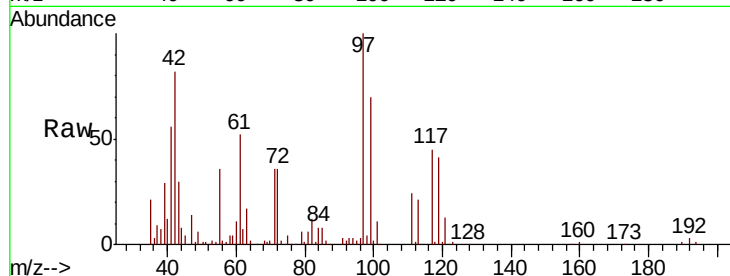
Tgt Ion: 42 Resp: 116949

Ion Ratio Lower Upper

42 100

72 41.1 31.8 47.8

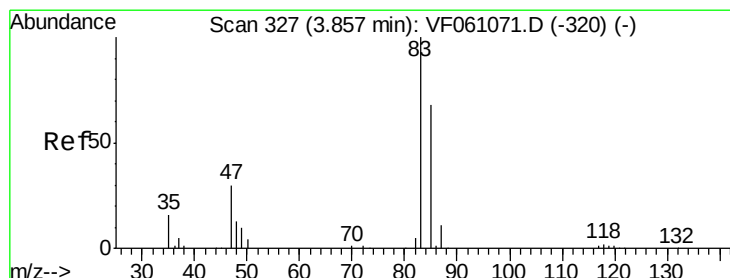
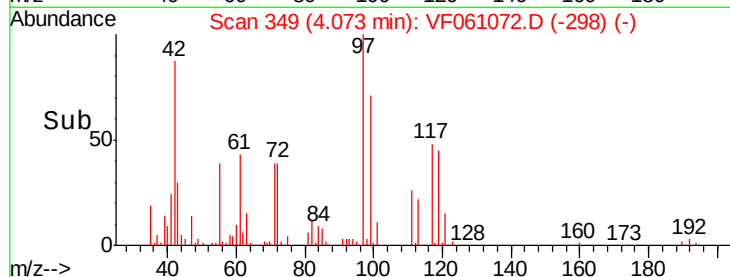
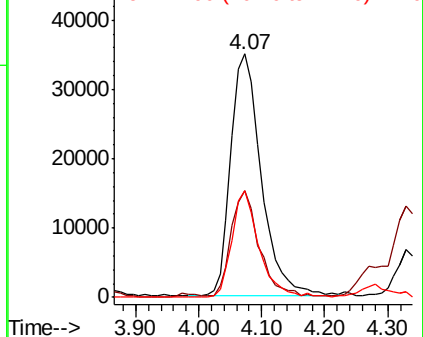
71 39.3 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 76.826 ug/l

RT: 3.86 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF061072.D

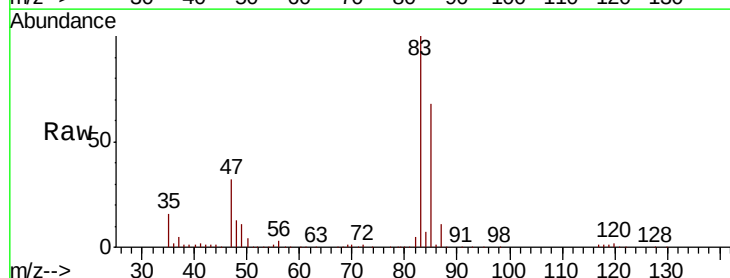
Acq: 18 Dec 2018 20:20

Tgt Ion: 83 Resp: 380094

Ion Ratio Lower Upper

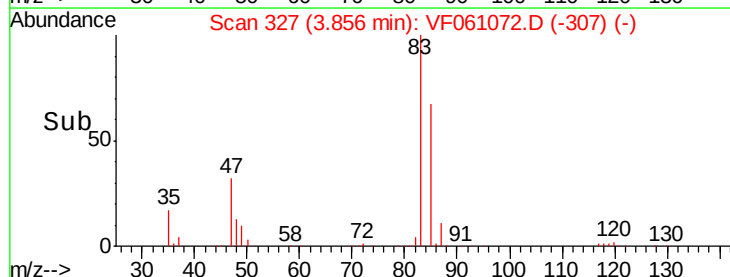
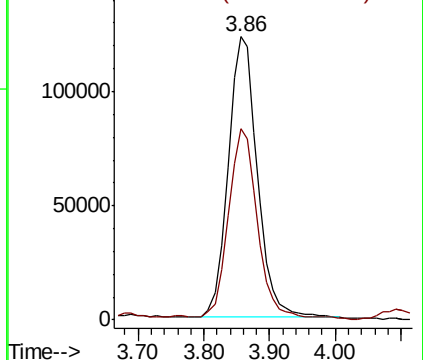
83 100

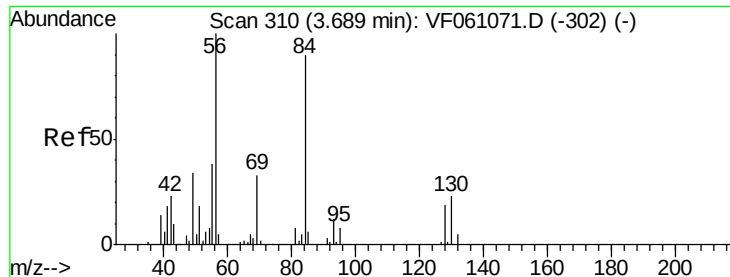
85 67.6 54.5 81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

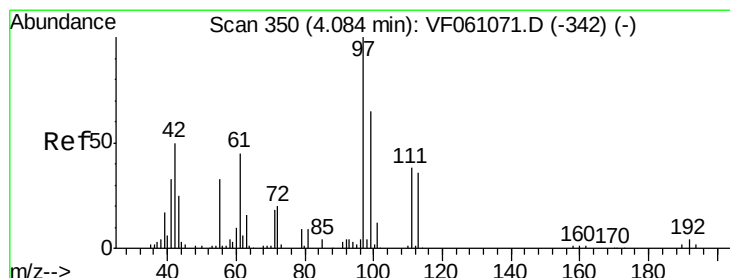
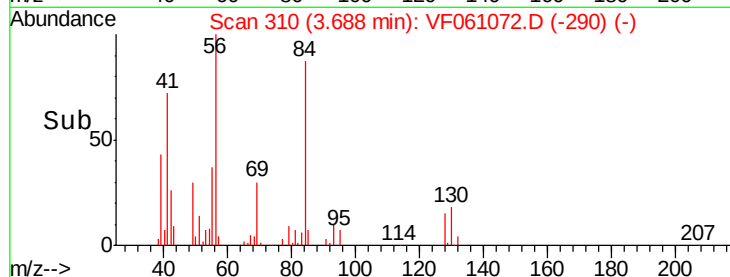
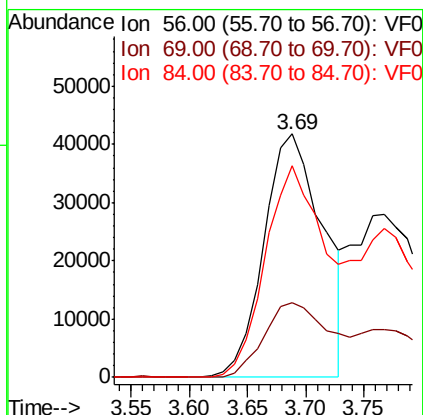
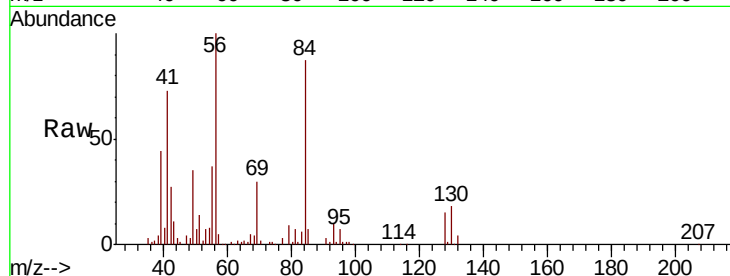




#31
Cyclohexane
Concen: 43.920 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

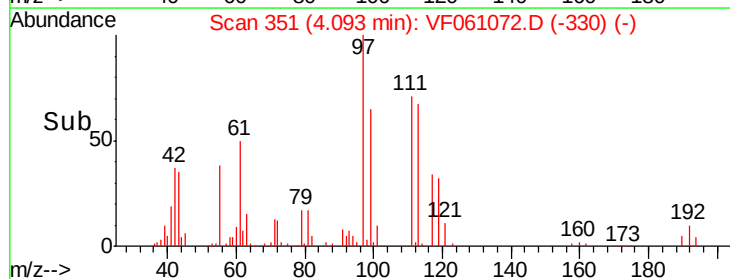
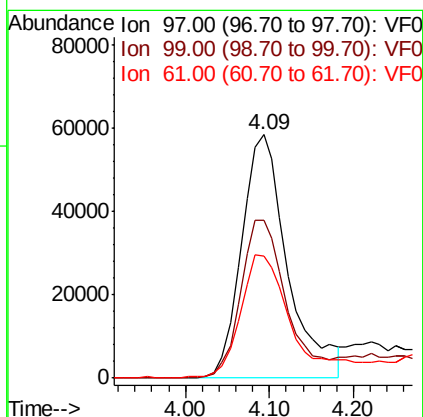
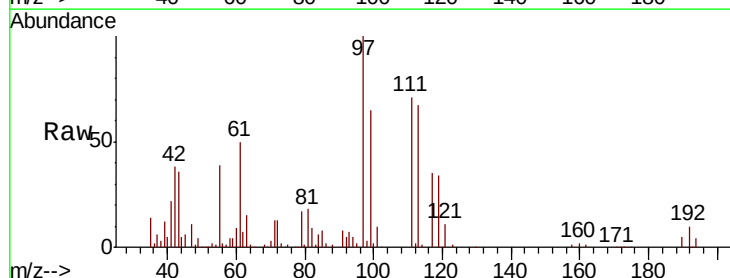
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

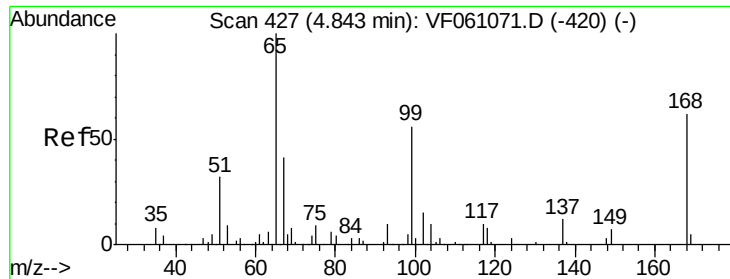
Tgt Ion: 56 Resp: 147608
Ion Ratio Lower Upper
56 100
69 30.4 26.0 39.0
84 86.9 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 68.475 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion: 97 Resp: 224250
Ion Ratio Lower Upper
97 100
99 64.6 51.6 77.4
61 49.9 36.2 54.2

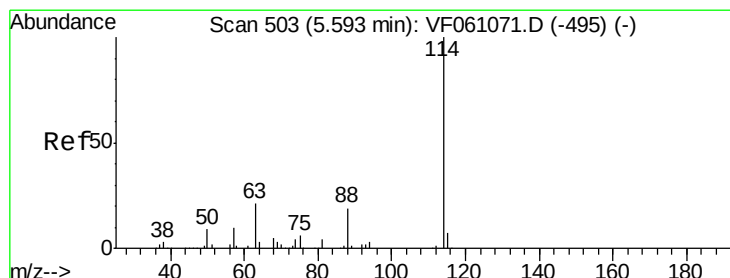
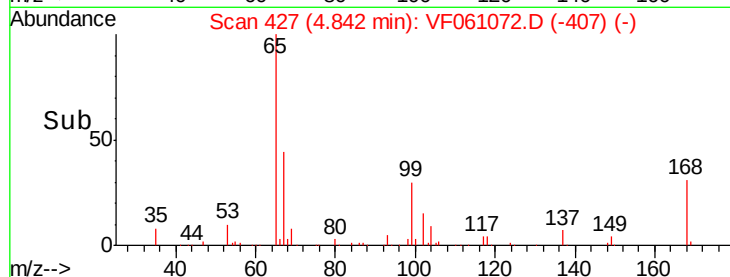
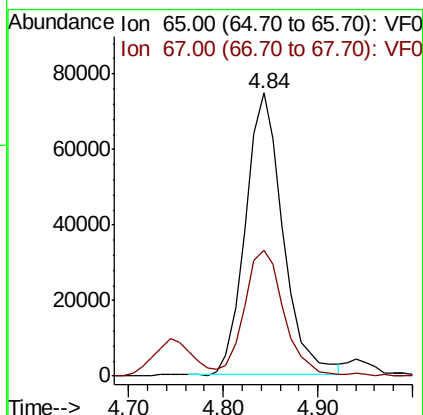
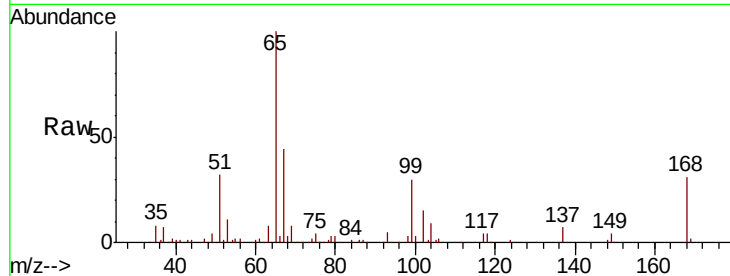




#33
 1,2-Dichloroethane-d4
 Concen: 88.767 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

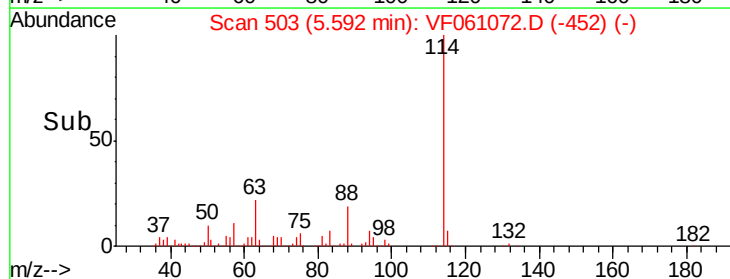
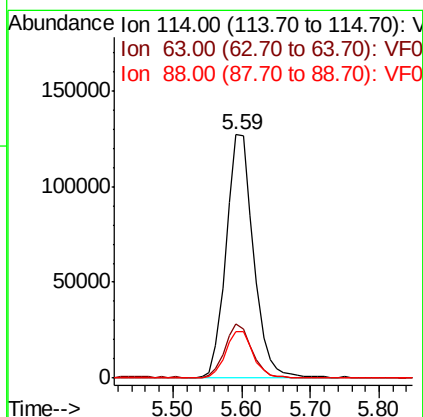
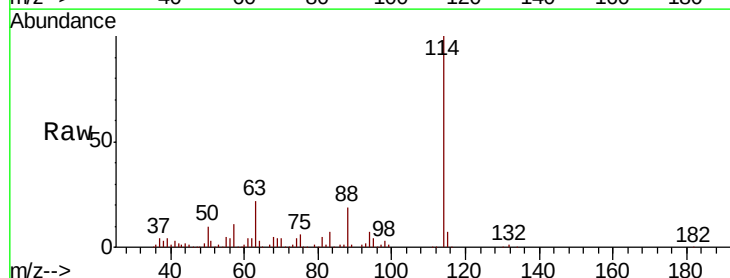
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

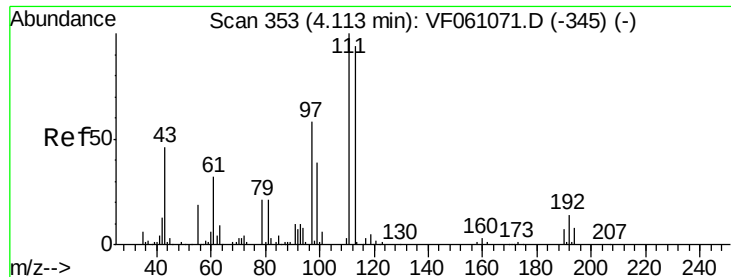
Tgt Ion: 65 Resp: 205729
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion: 114 Resp: 351731
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 41.6
 88 19.0 0.0 38.0





#35

Dibromofluoromethane

Concen: 74.210 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

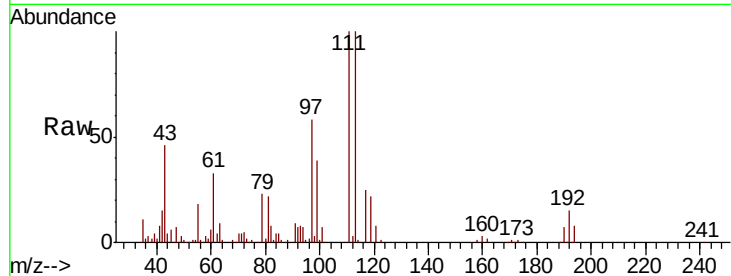
Tgt Ion: 113 Resp: 203253

Ion Ratio Lower Upper

113 100

111 100.1 85.2 127.8

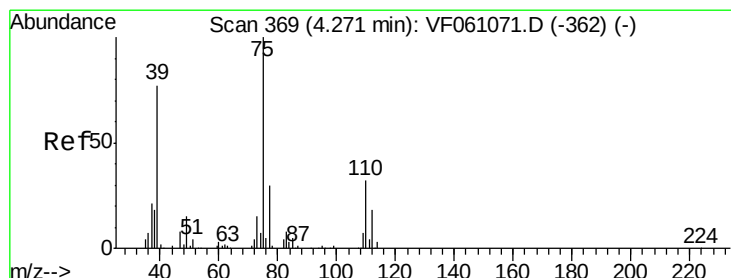
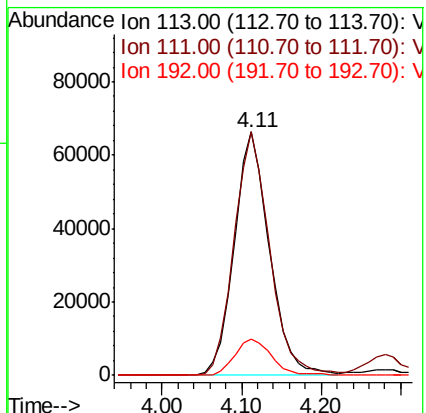
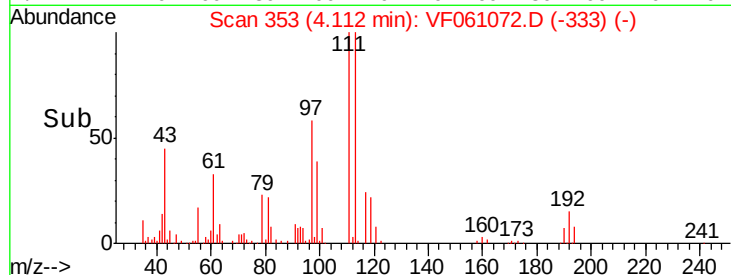
192 14.7 12.8 19.2



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: 73.544 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

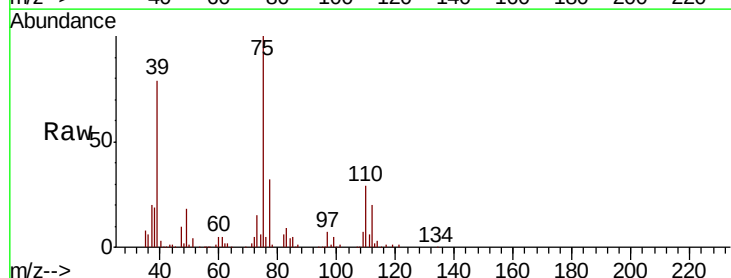
Tgt Ion: 75 Resp: 289663

Ion Ratio Lower Upper

75 100

110 28.7 16.1 48.2

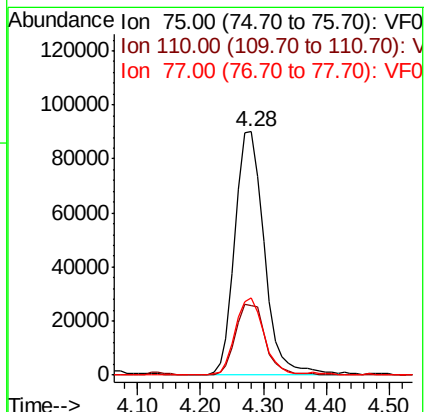
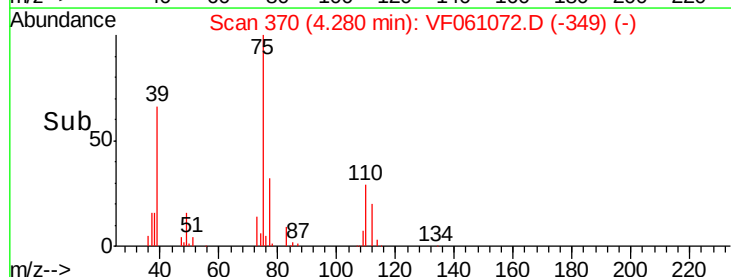
77 31.8 24.5 36.7

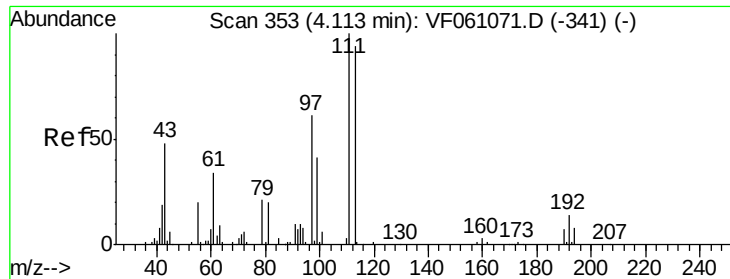


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 71.978 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

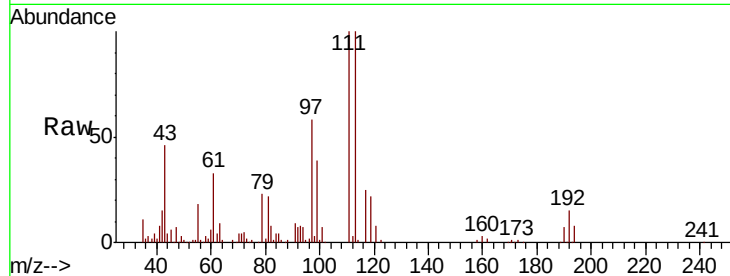
Tgt Ion: 43 Resp: 114519

Ion Ratio Lower Upper

43 100

61 72.4 56.6 84.8

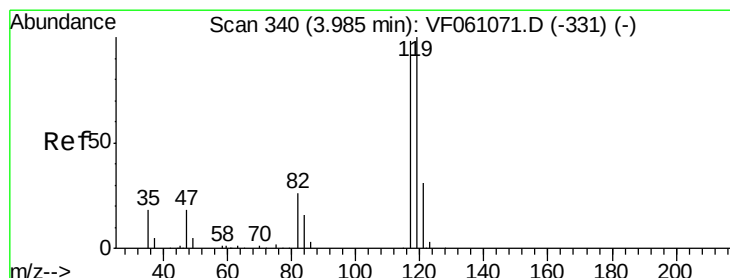
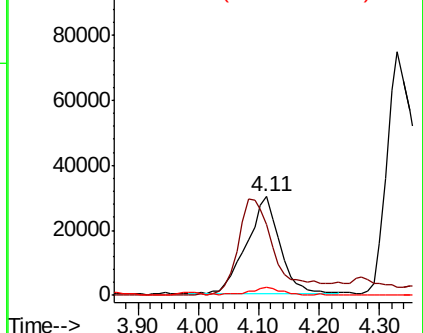
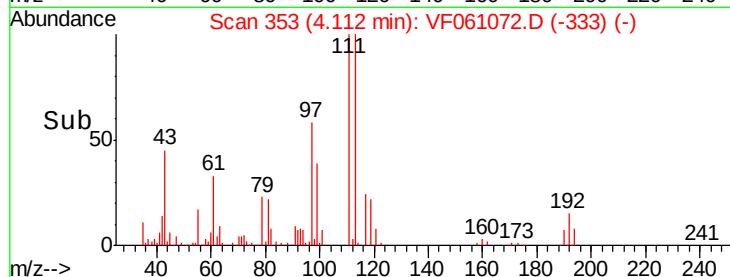
70 8.7 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 67.027 ug/l

RT: 3.98 min Scan# 340

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

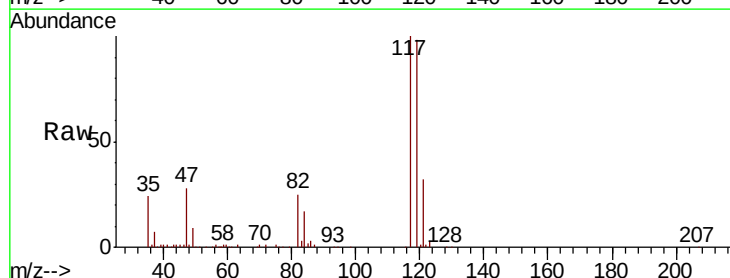
Tgt Ion: 117 Resp: 223528

Ion Ratio Lower Upper

117 100

119 98.2 82.1 123.1

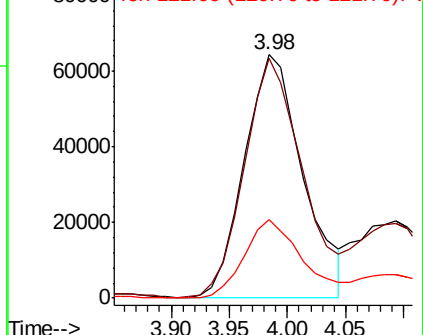
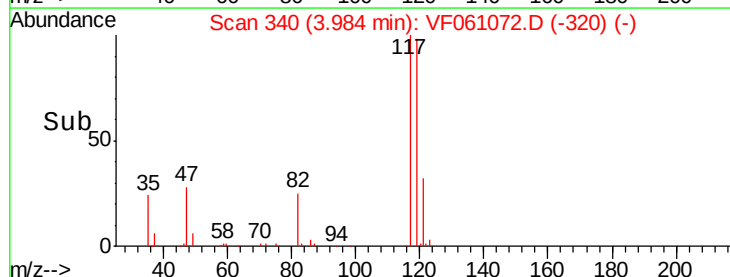
121 32.0 25.5 38.3

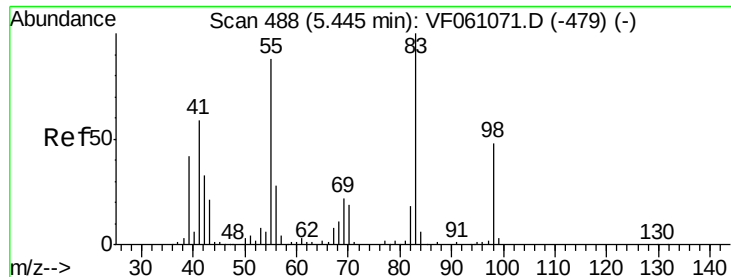


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

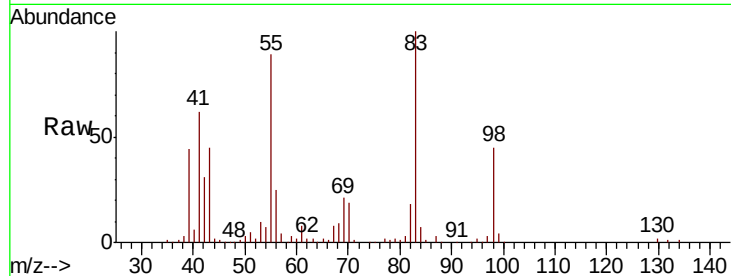




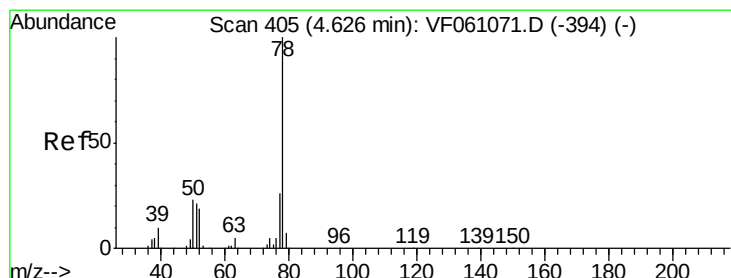
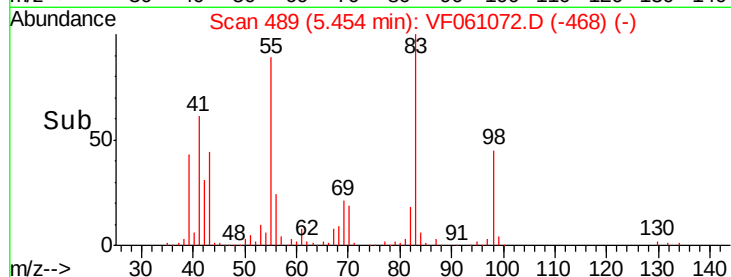
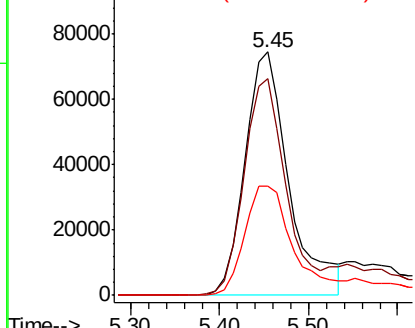
#39
Methylcyclohexane
Concen: 62.467 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion: 83 Resp: 255761
Ion Ratio Lower Upper
83 100
55 88.8 70.6 105.8
98 45.0 38.5 57.7

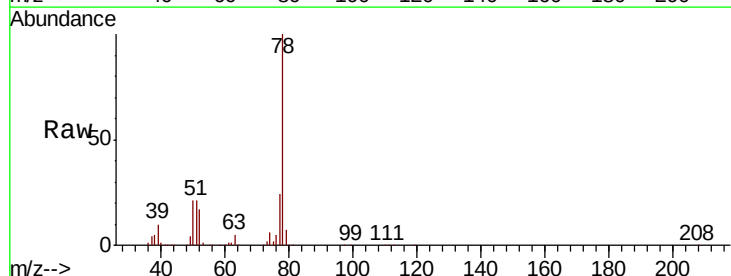


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

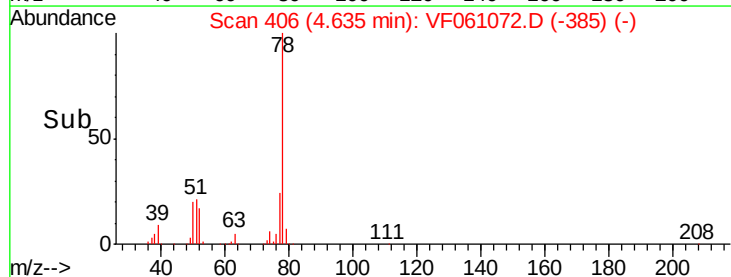
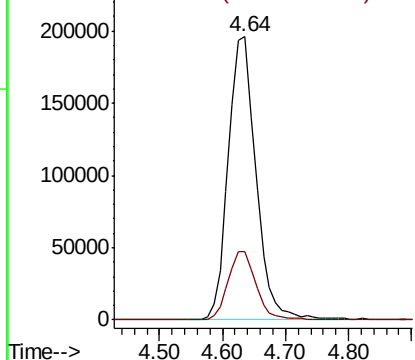


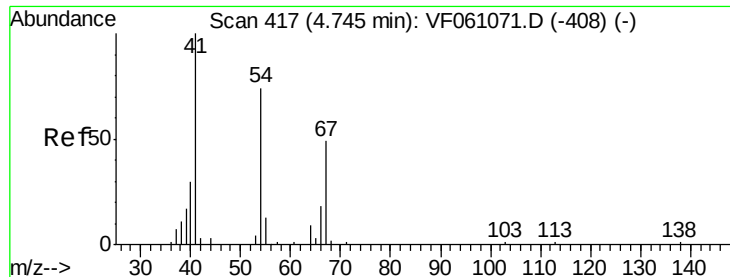
#40
Benzene
Concen: 69.128 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion: 78 Resp: 598933
Ion Ratio Lower Upper
78 100
77 24.1 20.7 31.1



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 63.020 ug/l

RT: 4.74 min Scan# 417

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 41 Resp: 59357

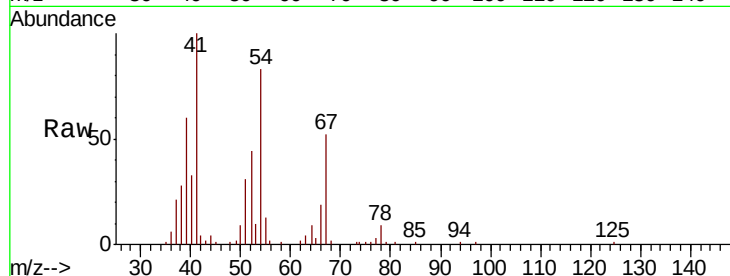
Ion Ratio Lower Upper

41 100

39 59.9 45.7 68.5

67 52.3 38.9 58.3

52 44.3 35.2 52.8

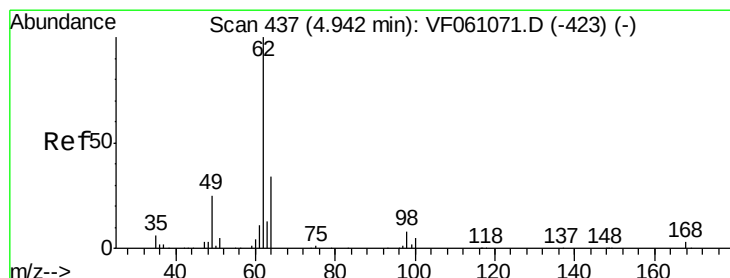
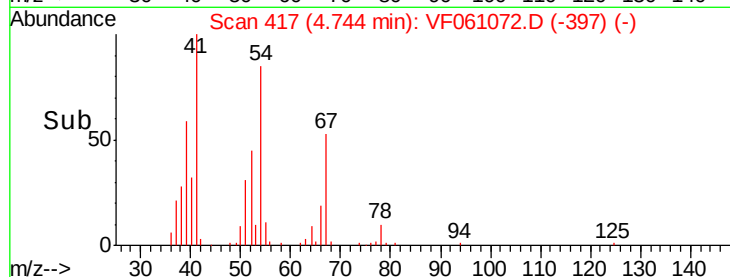
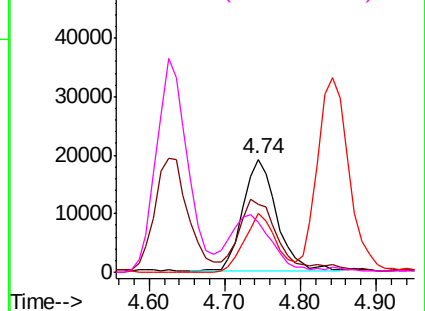


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 80.296 ug/l

RT: 4.94 min Scan# 437

Delta R.T. -0.00 min

Lab File: VF061072.D

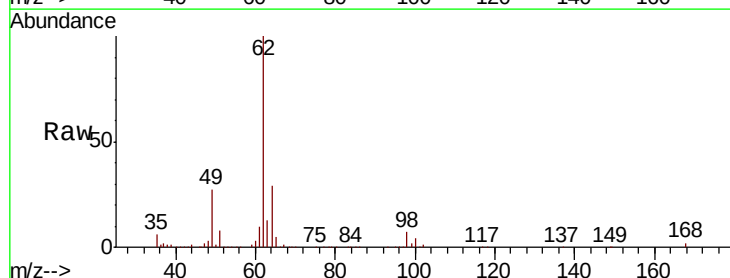
Acq: 18 Dec 2018 20:20

Tgt Ion: 62 Resp: 253637

Ion Ratio Lower Upper

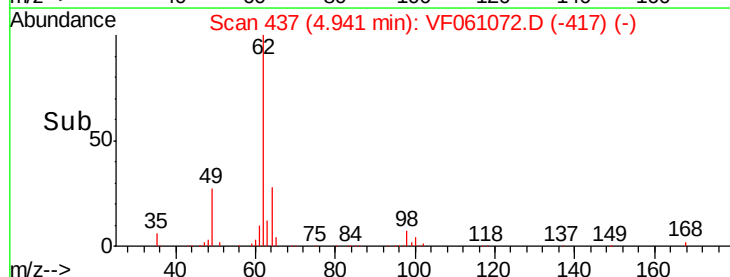
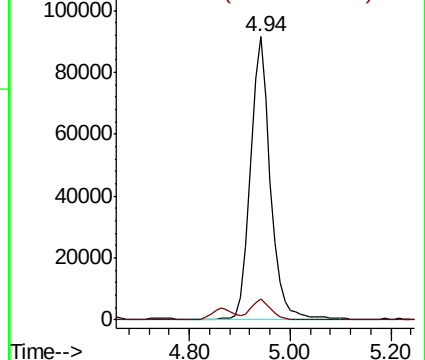
62 100

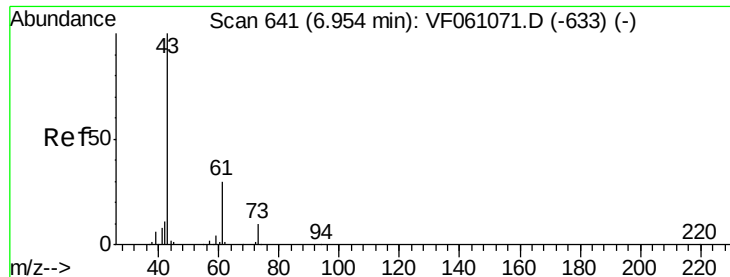
98 7.5 0.0 16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 71.947 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

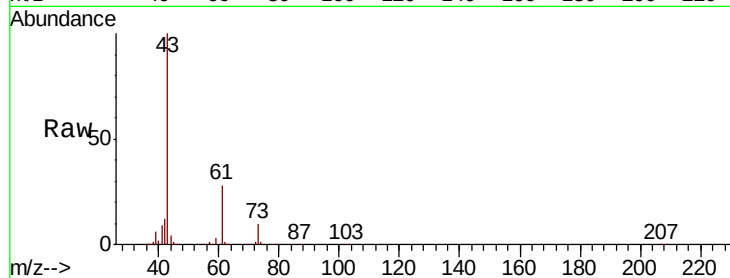
Tgt Ion: 43 Resp: 153541

Ion Ratio Lower Upper

43 100

61 28.0 23.8 35.8

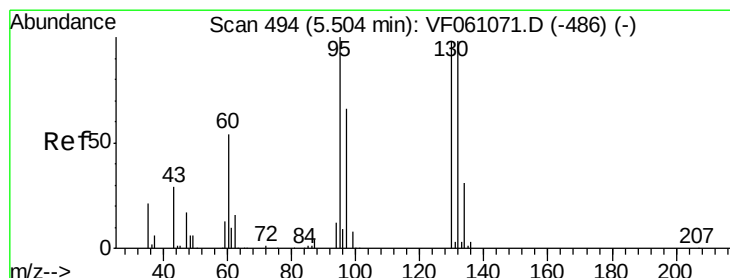
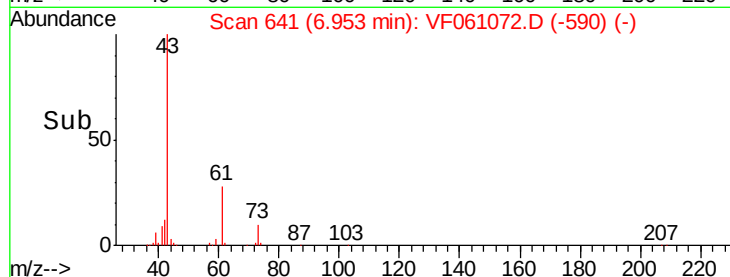
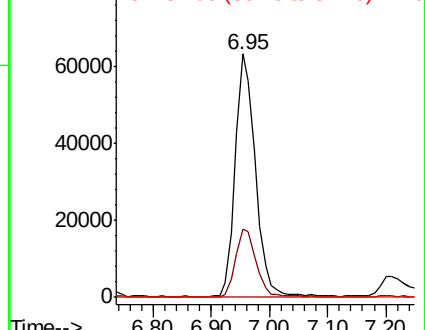
87 0.4 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 68.074 ug/l

RT: 5.50 min Scan# 494

Delta R.T. -0.00 min

Lab File: VF061072.D

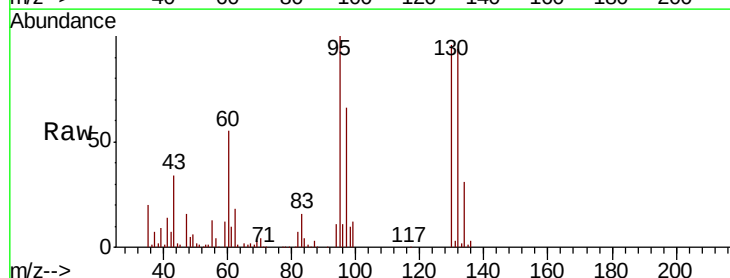
Acq: 18 Dec 2018 20:20

Tgt Ion: 130 Resp: 192365

Ion Ratio Lower Upper

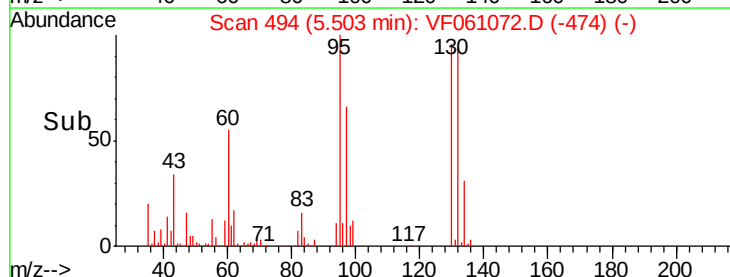
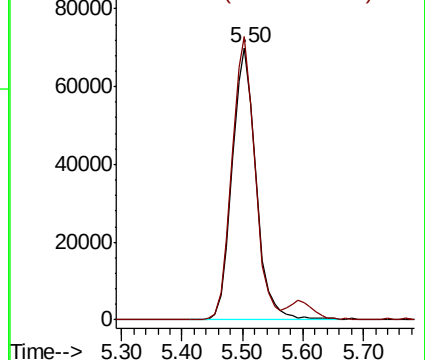
130 100

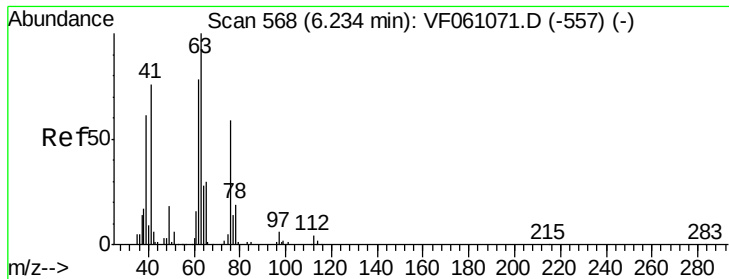
95 104.1 0.0 205.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

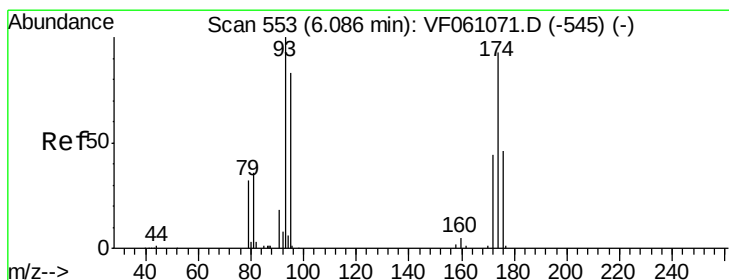
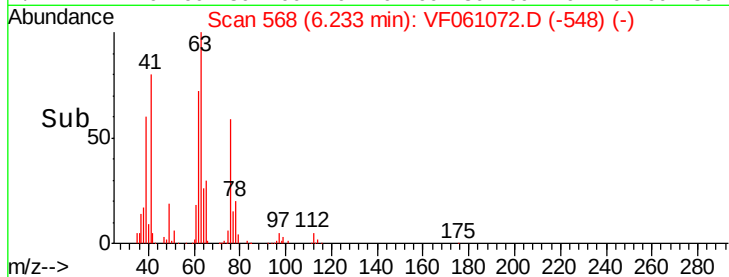
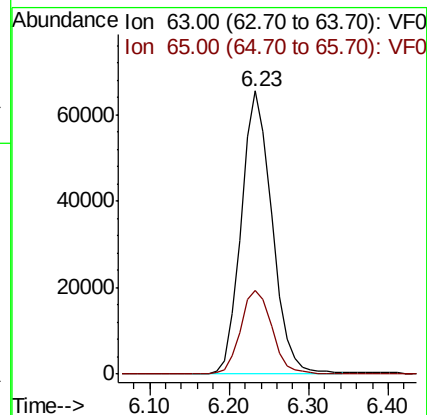
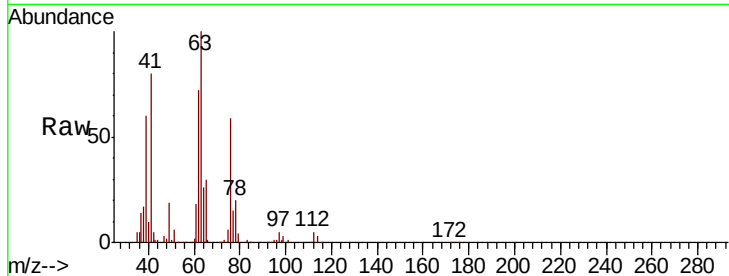




#45
 1,2-Dichloropropane
 Concen: 78.418 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

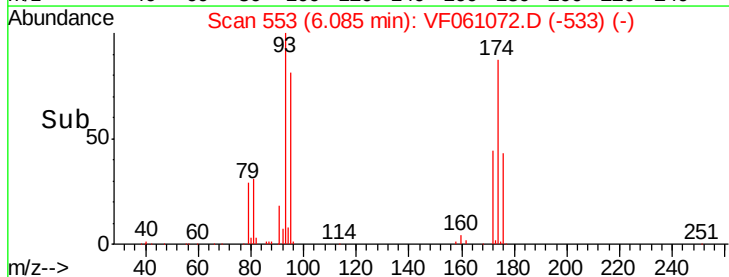
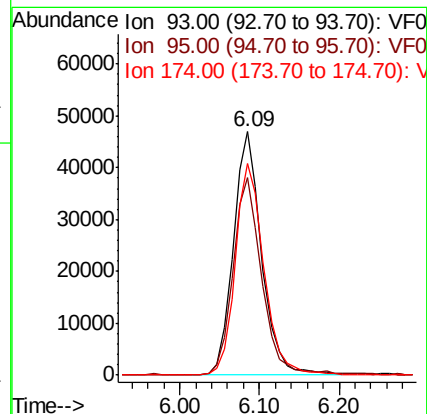
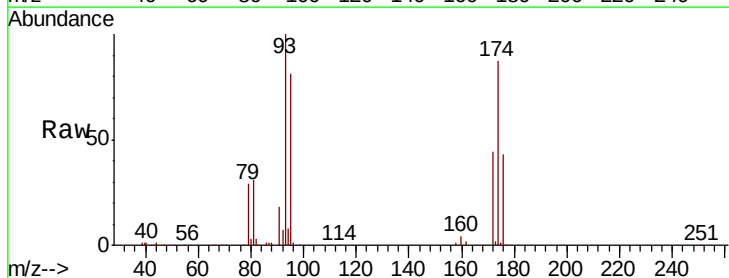
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

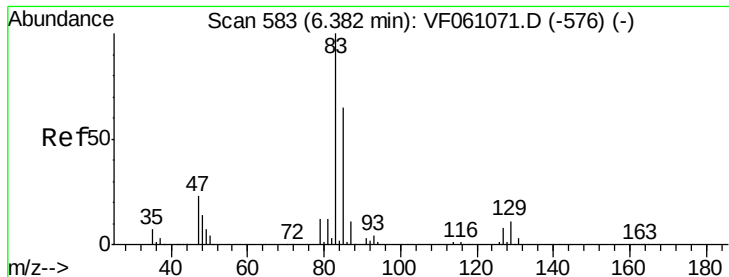
Tgt Ion: 63 Resp: 175755
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.4 36.6



#46
 Dibromomethane
 Concen: 76.892 ug/l
 RT: 6.09 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion: 93 Resp: 116727
 Ion Ratio Lower Upper
 93 100
 95 81.2 66.9 100.3
 174 86.8 74.1 111.1





#47

Bromodichloromethane

Concen: 75.233 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

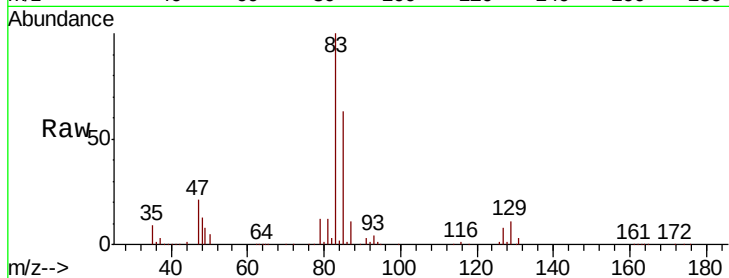
Tgt Ion: 83 Resp: 304083

Ion Ratio Lower Upper

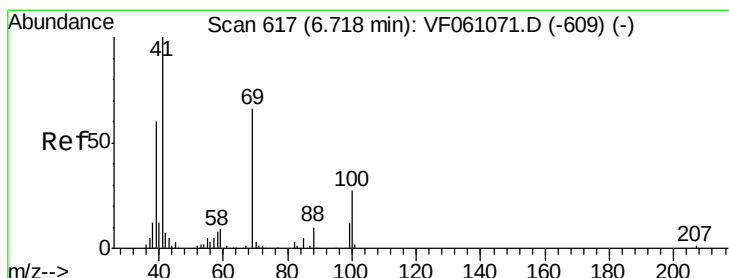
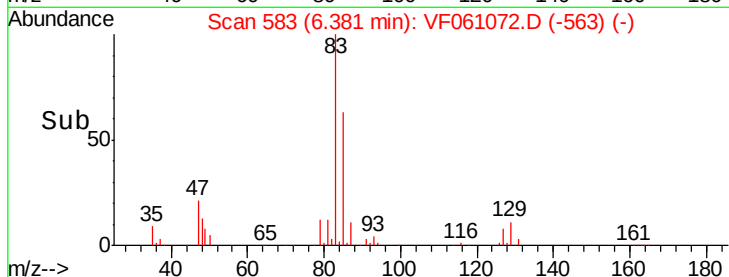
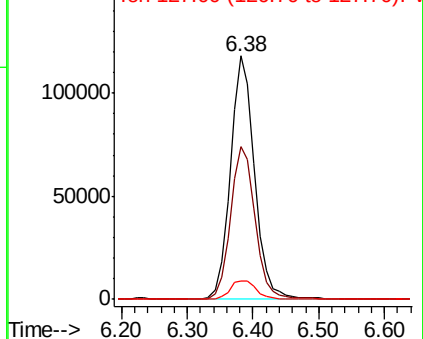
83 100

85 62.8 52.2 78.4

127 7.7 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 74.249 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

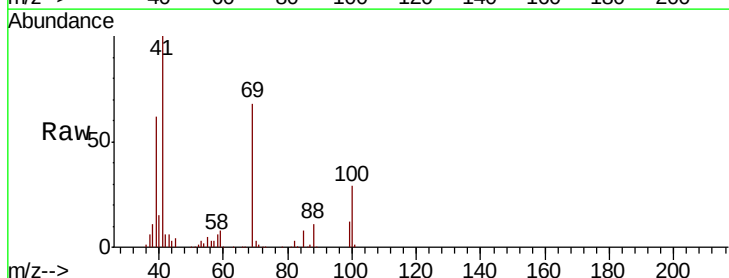
Tgt Ion: 41 Resp: 105906

Ion Ratio Lower Upper

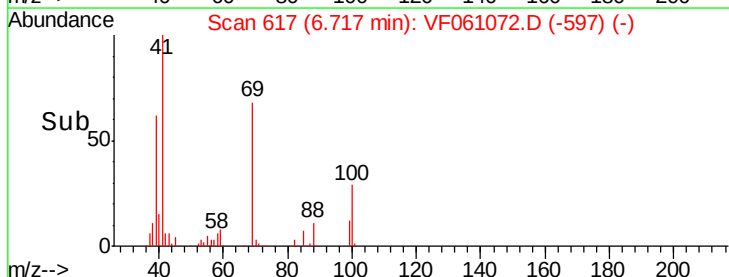
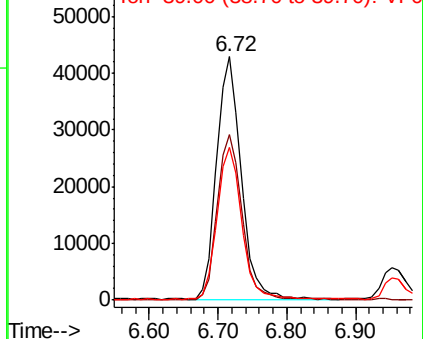
41 100

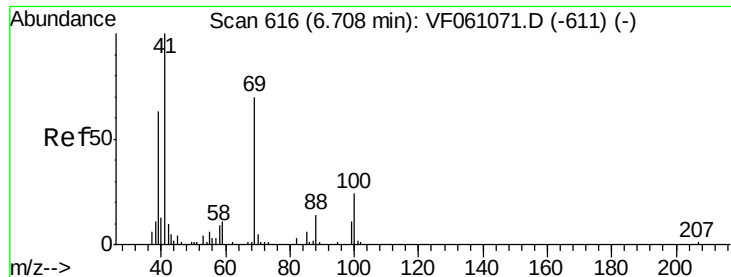
69 68.0 52.7 79.1

39 62.5 47.8 71.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1558.481 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

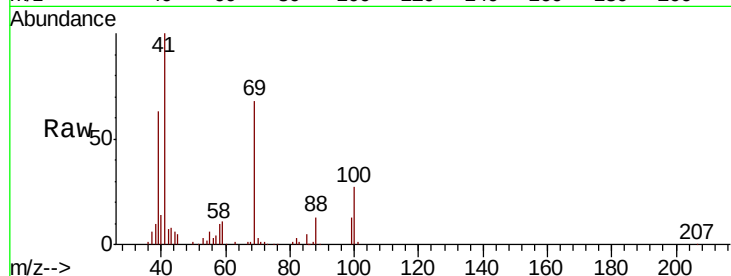
Tgt Ion: 88 Resp: 16073

Ion Ratio Lower Upper

88 100

43 57.8 33.3 49.9#

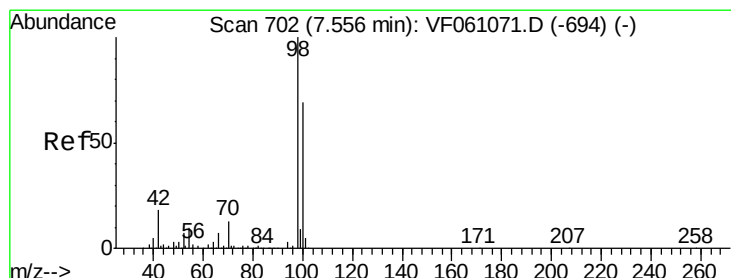
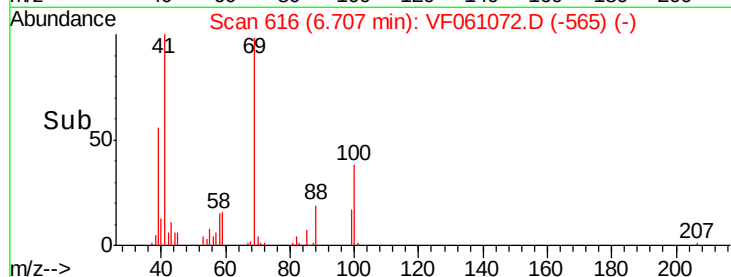
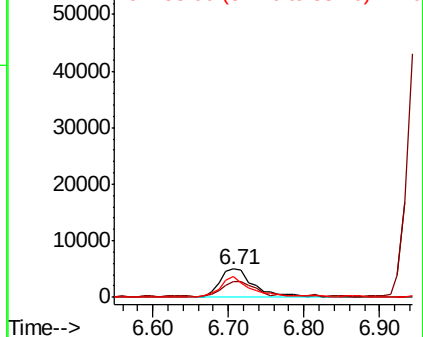
58 75.3 53.2 79.8



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 72.956 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF061072.D

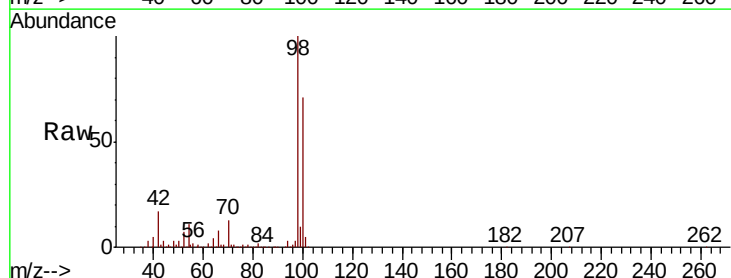
Acq: 18 Dec 2018 20:20

Tgt Ion: 98 Resp: 589927

Ion Ratio Lower Upper

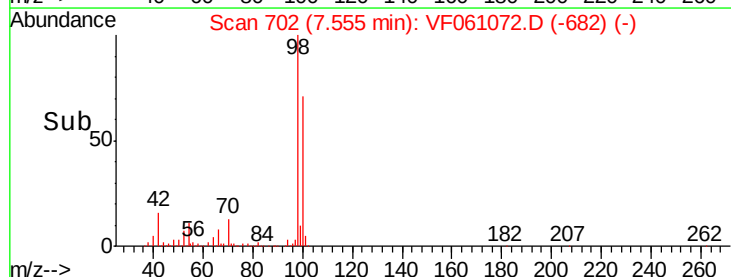
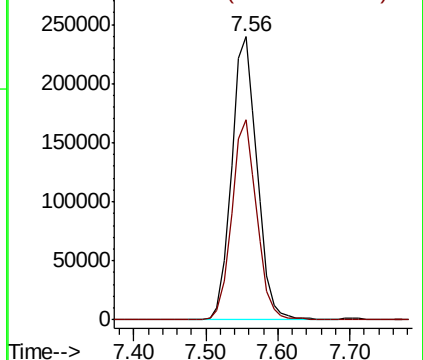
98 100

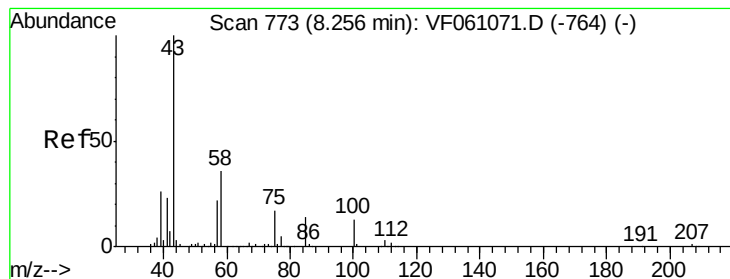
100 70.7 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 322.924 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

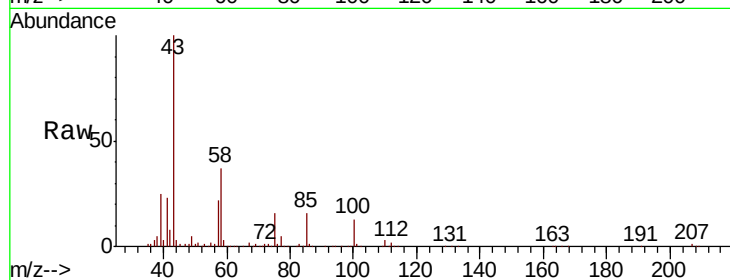
VSTDIC075

Tgt Ion: 43 Resp: 468022

Ion Ratio Lower Upper

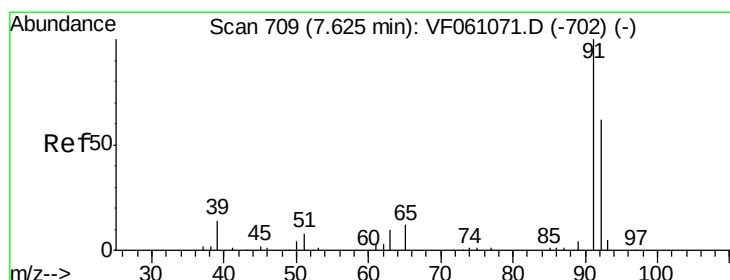
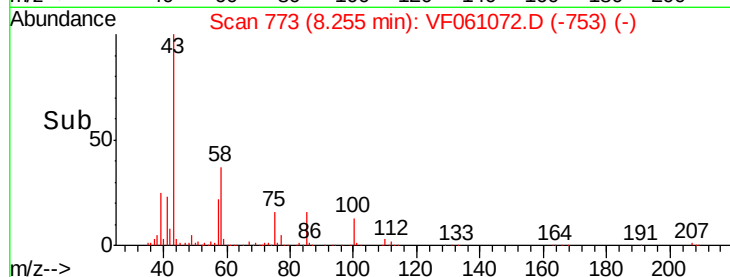
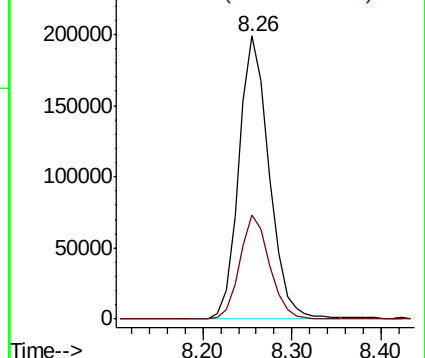
43 100

58 36.7 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 68.705 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061072.D

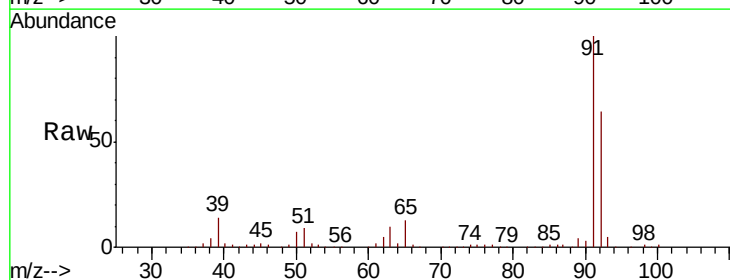
Acq: 18 Dec 2018 20:20

Tgt Ion: 92 Resp: 416783

Ion Ratio Lower Upper

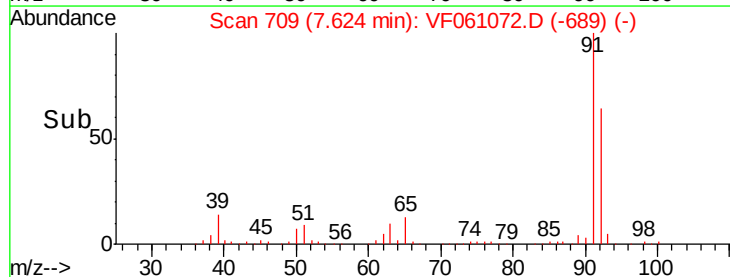
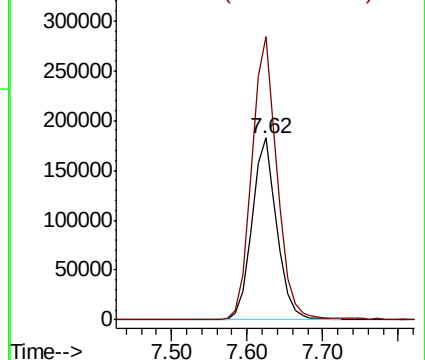
92 100

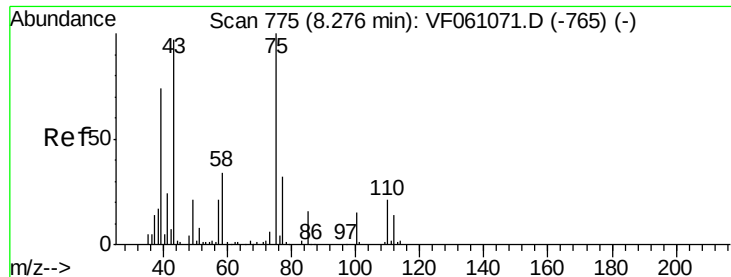
91 155.8 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 71.310 ug/l

RT: 8.28 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

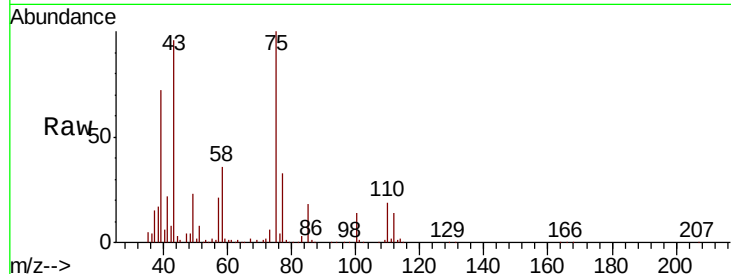
VSTDIC075

Tgt Ion: 75 Resp: 232702

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

120000

100000

80000

60000

40000

20000

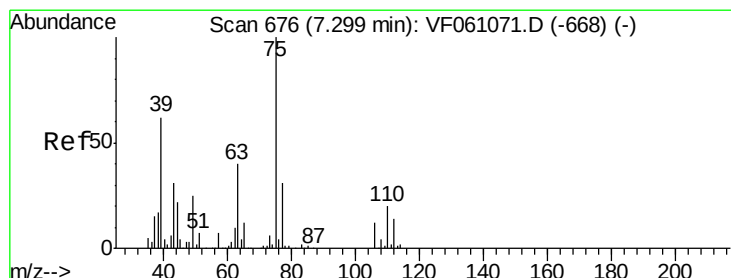
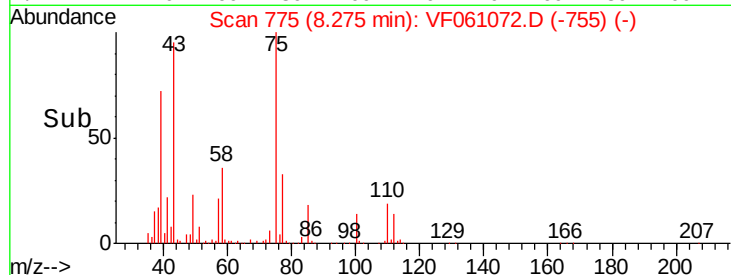
0

8.28

8.30

8.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 74.495 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

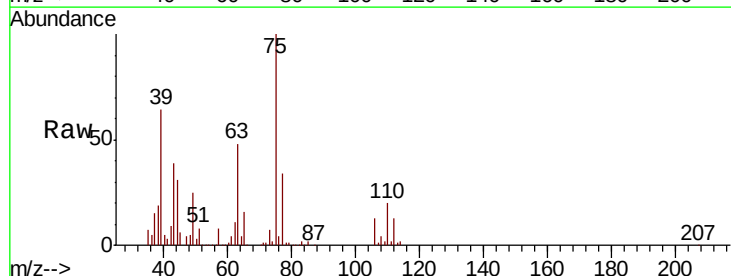
Tgt Ion: 75 Resp: 299994

Ion Ratio Lower Upper

75 100

77 33.7 25.0 37.4

39 64.0 50.1 75.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

150000

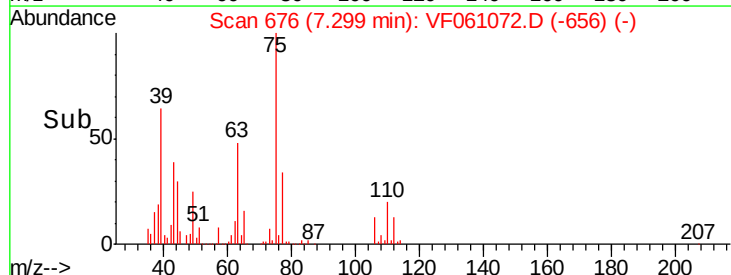
100000

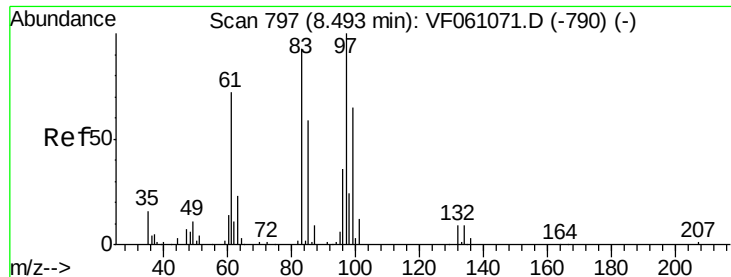
7.30

7.40

7.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 76.212 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 133040

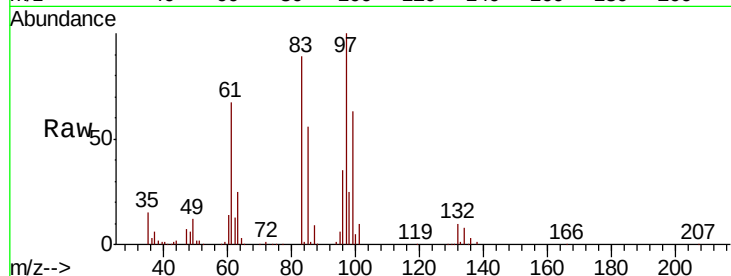
Ion Ratio Lower Upper

97 100

83 88.8 75.0 112.4

85 55.5 47.5 71.3

99 63.3 51.9 77.9

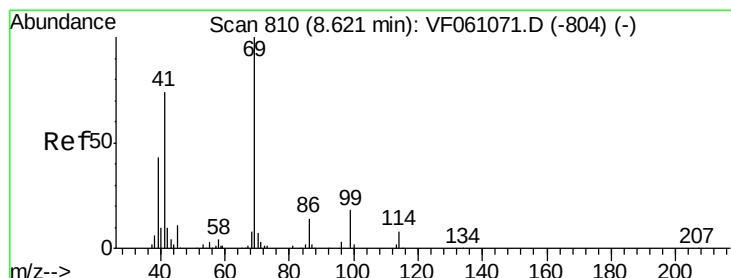
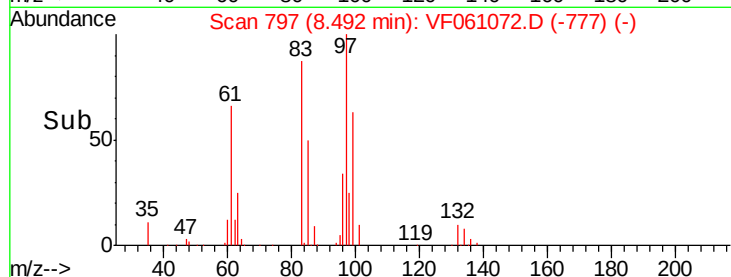
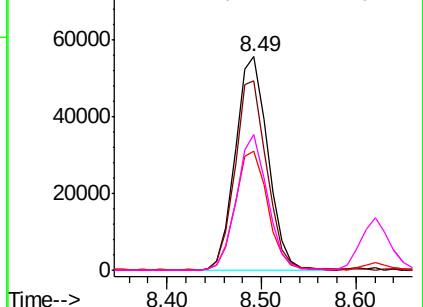


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 75.885 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

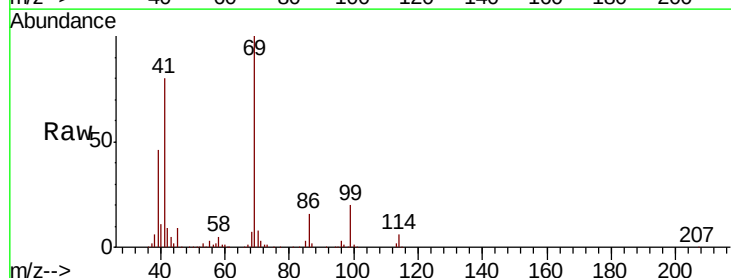
Tgt Ion: 69 Resp: 146077

Ion Ratio Lower Upper

69 100

41 79.6 59.7 89.5

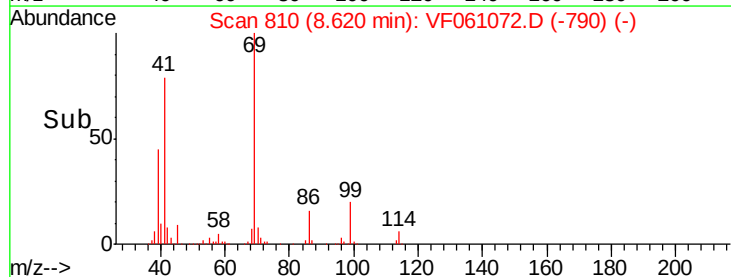
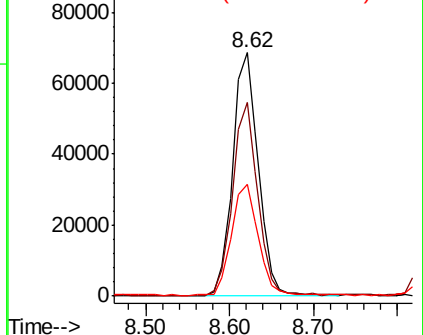
39 46.1 35.0 52.6

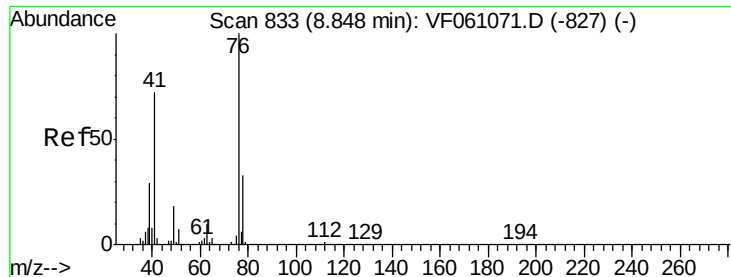


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 75.758 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

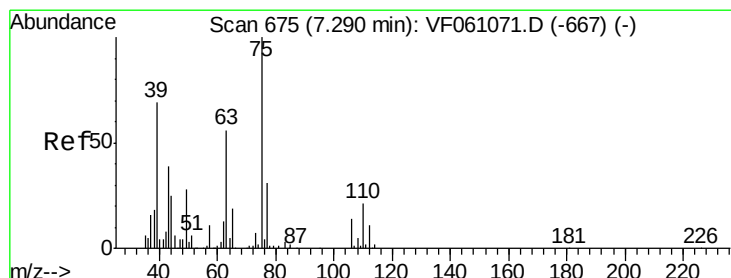
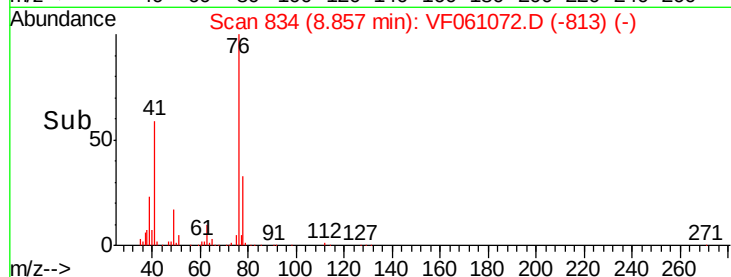
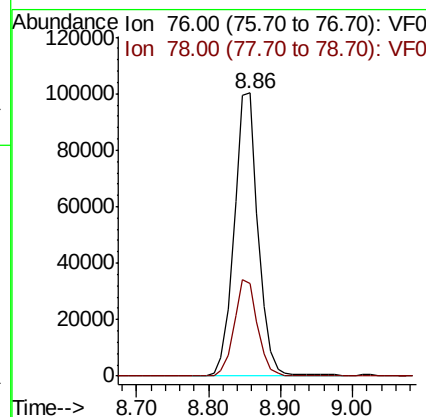
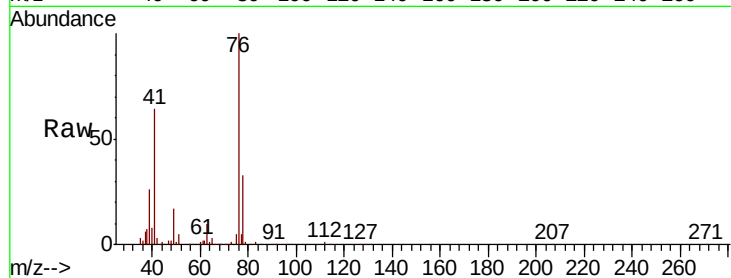
VSTDIC075

Tgt Ion: 76 Resp: 232120

Ion Ratio Lower Upper

76 100

78 32.7 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 615.560 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061072.D

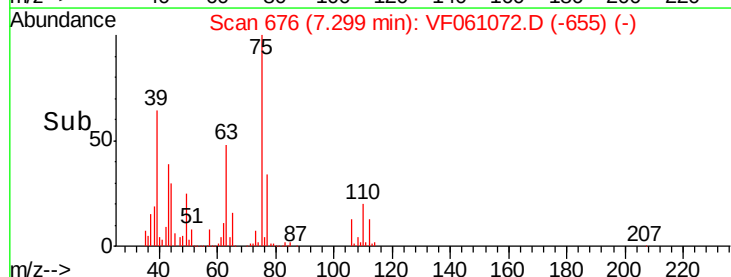
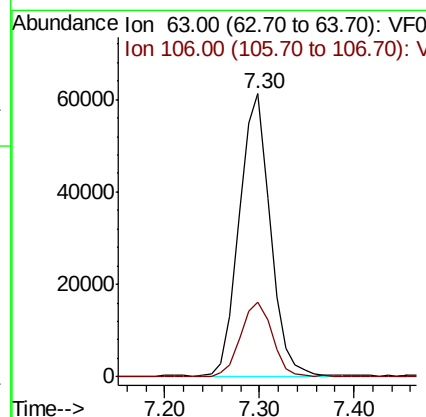
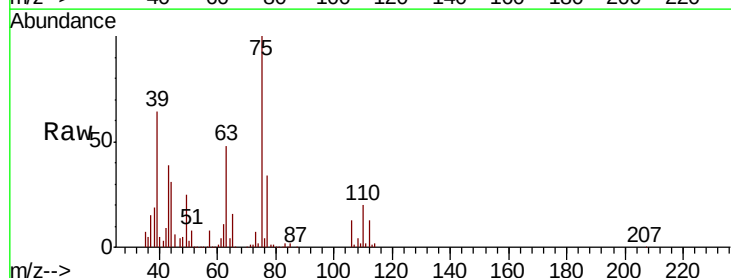
Acq: 18 Dec 2018 20:20

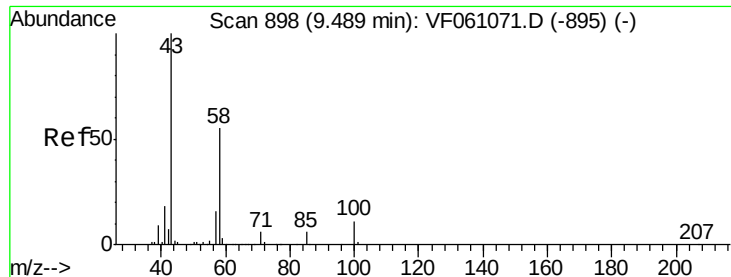
Tgt Ion: 63 Resp: 140293

Ion Ratio Lower Upper

63 100

106 26.4 19.8 29.8

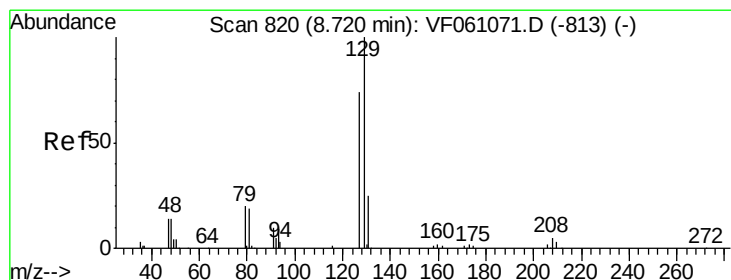
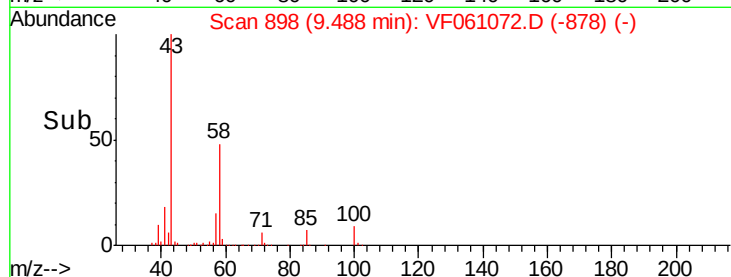
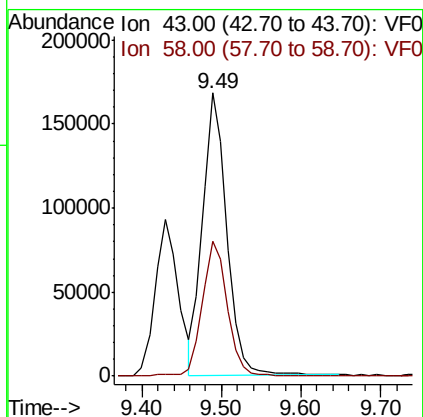
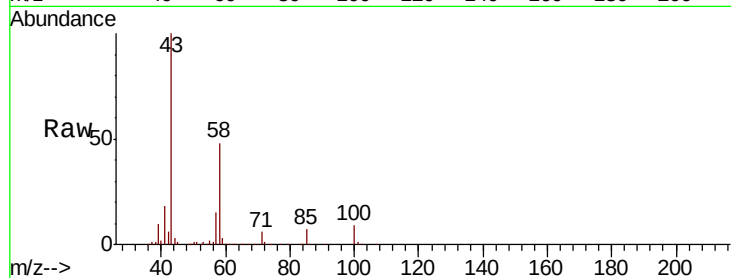




#59
2-Hexanone
Concen: 346.051 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

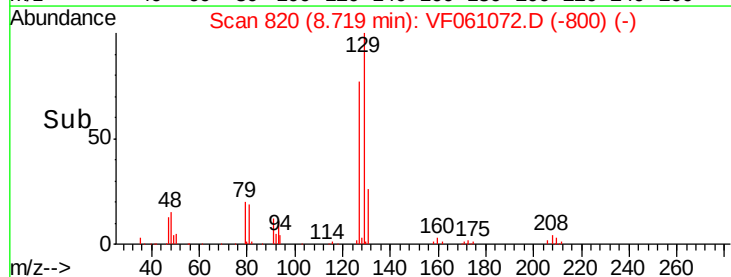
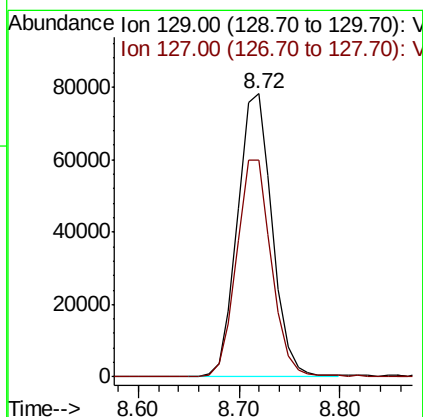
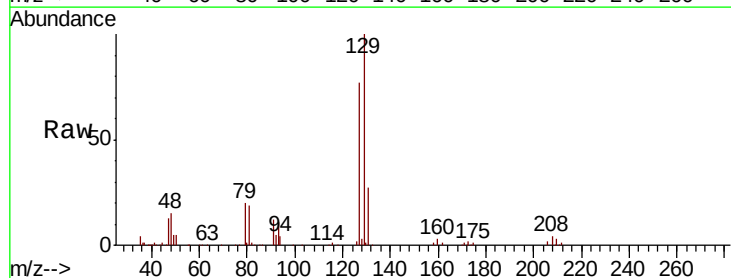
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

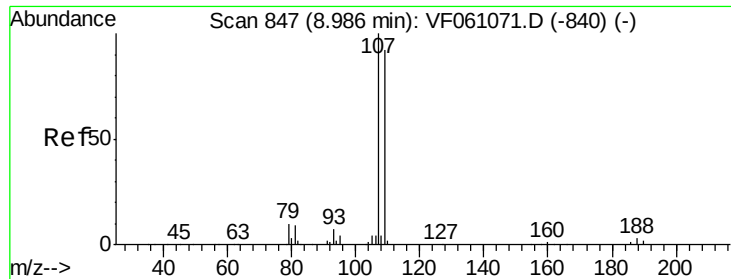
Tgt Ion: 43 Resp: 354423
Ion Ratio Lower Upper
43 100
58 47.5 25.1 75.2



#60
Dibromochloromethane
Concen: 71.788 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion: 129 Resp: 187169
Ion Ratio Lower Upper
129 100
127 76.6 36.8 110.3

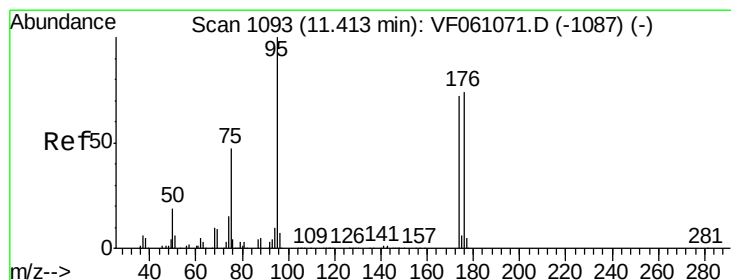
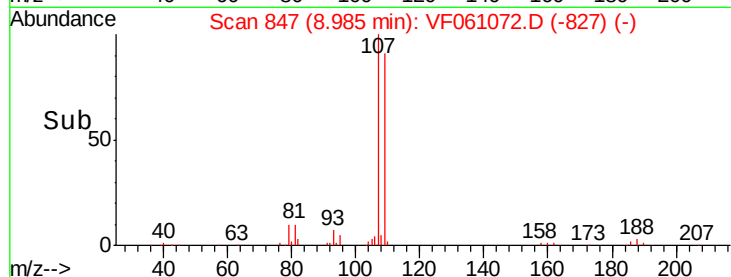
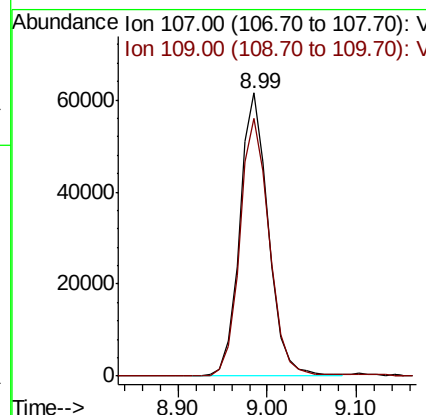
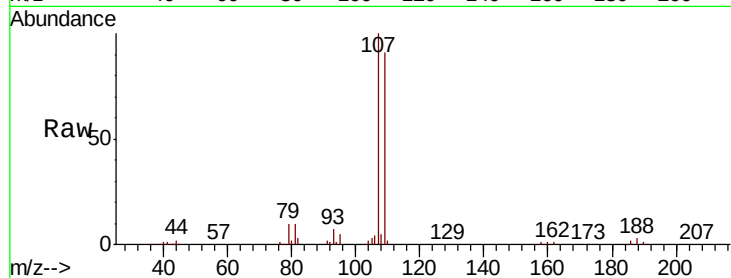




#61
 1,2-Dibromoethane
 Concen: 72.367 ug/l
 RT: 8.99 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

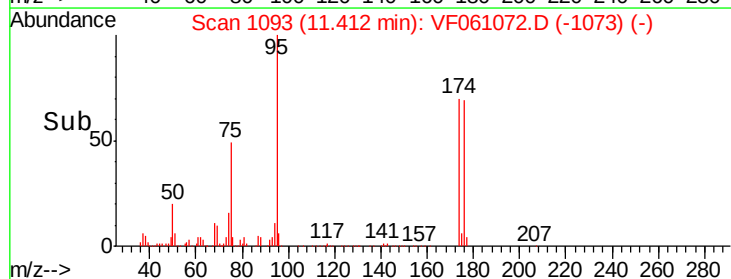
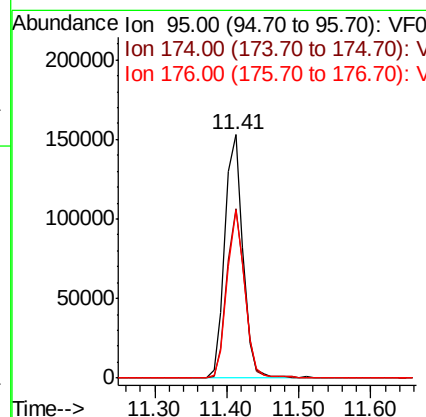
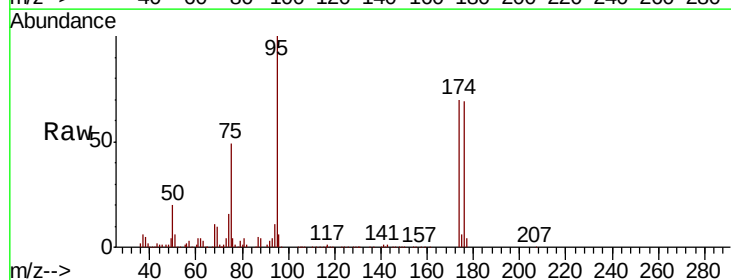
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

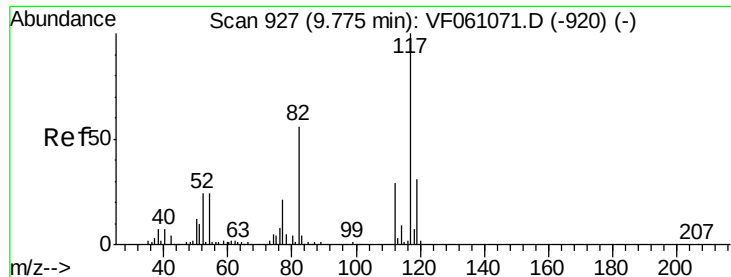
Tgt Ion: 107 Resp: 137322
 Ion Ratio Lower Upper
 107 100
 109 91.2 73.7 110.5



#62
 4-Bromofluorobenzene
 Concen: 72.667 ug/l
 RT: 11.41 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion: 95 Resp: 266156
 Ion Ratio Lower Upper
 95 100
 174 69.5 0.0 143.8
 176 69.2 0.0 147.6

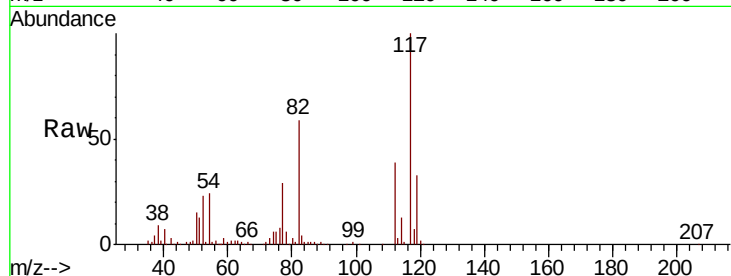




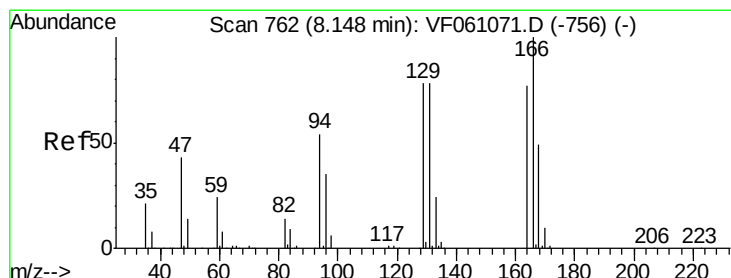
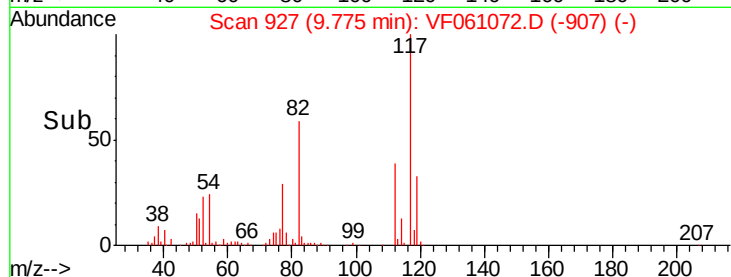
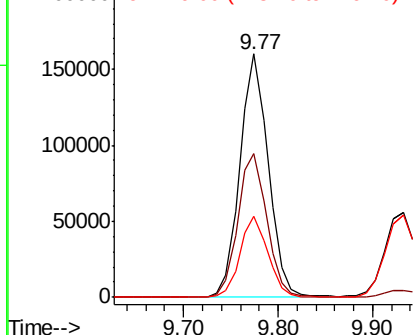
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:117 Resp: 334441
Ion Ratio Lower Upper
117 100
82 59.0 45.0 67.4
119 33.0 24.8 37.2

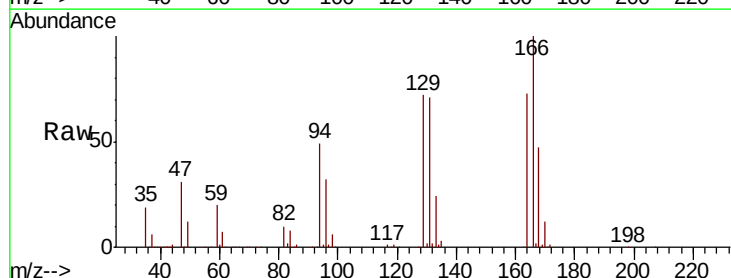


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

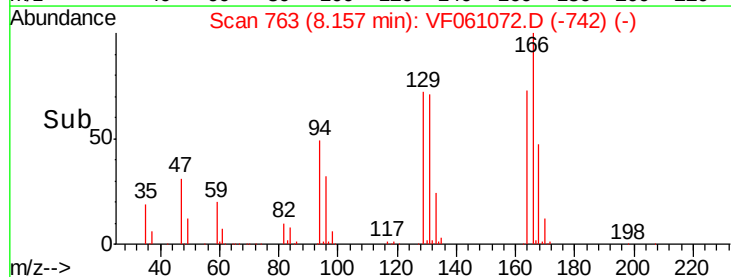
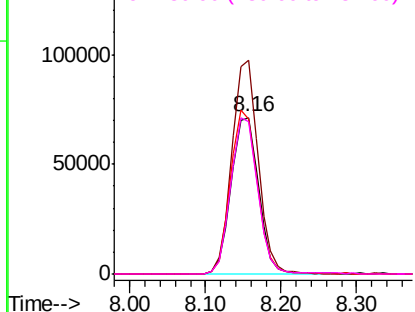


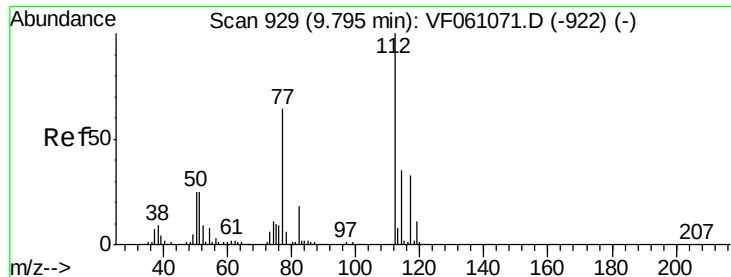
#64
Tetrachloroethene
Concen: 69.680 ug/l
RT: 8.16 min Scan# 763
Delta R.T. 0.01 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion:164 Resp: 178630
Ion Ratio Lower Upper
164 100
166 136.3 104.0 156.0
129 98.6 81.1 121.7
131 97.3 81.2 121.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 74.290 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

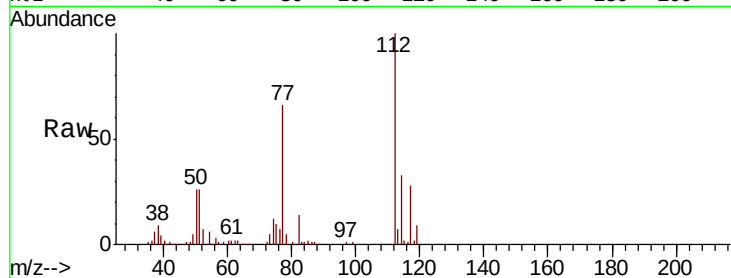
VSTDIC075

Tgt Ion:112 Resp: 479981

Ion Ratio Lower Upper

112 100

114 33.5 27.8 41.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

250000

200000

150000

100000

50000

0

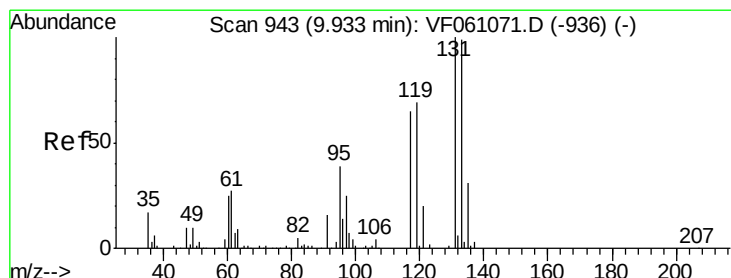
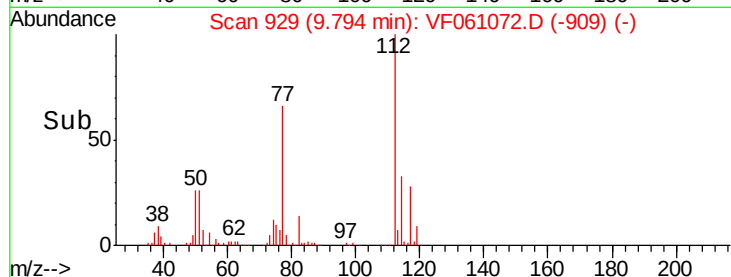
9.79

9.80

9.90

10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 69.798 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

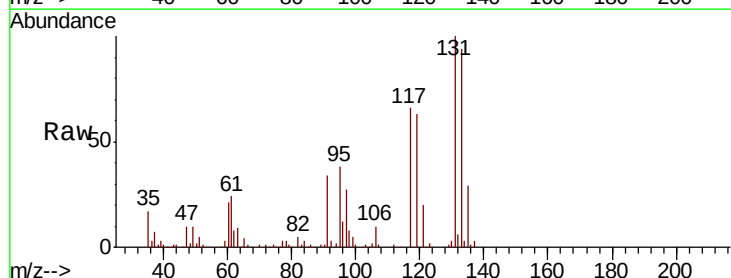
Tgt Ion:131 Resp: 193172

Ion Ratio Lower Upper

131 100

133 94.0 49.5 148.7

119 63.3 34.5 103.5



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

100000

80000

60000

40000

20000

0

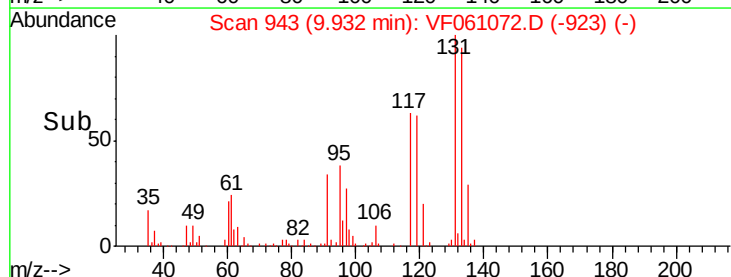
9.80

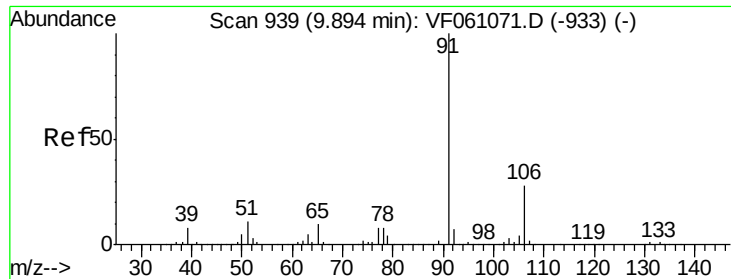
9.90

10.00

10.10

Time-->

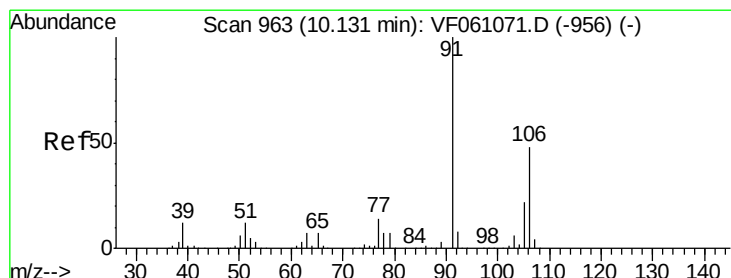
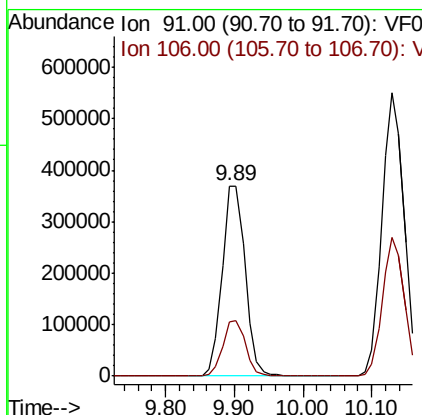
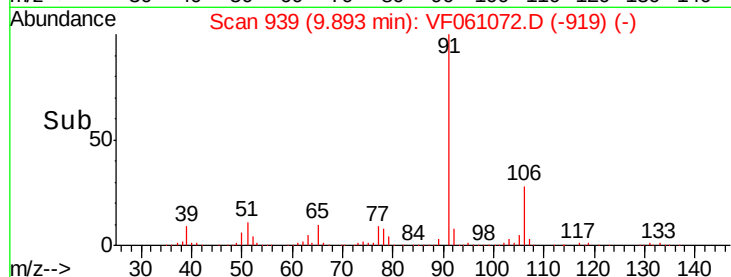
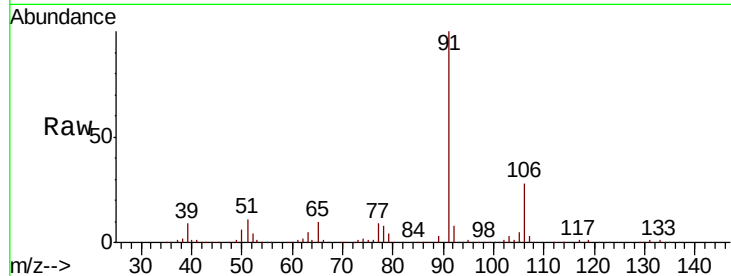




#67
Ethyl Benzene
Concen: 71.458 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

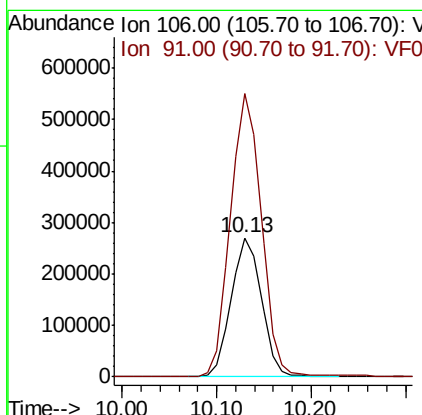
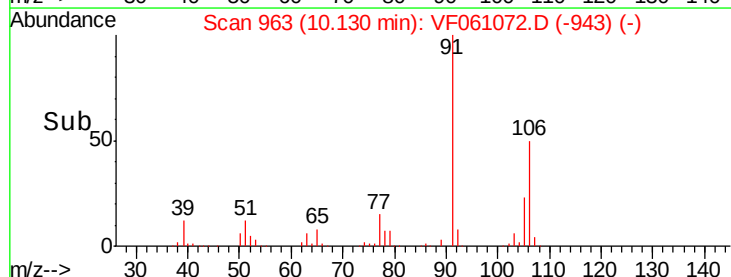
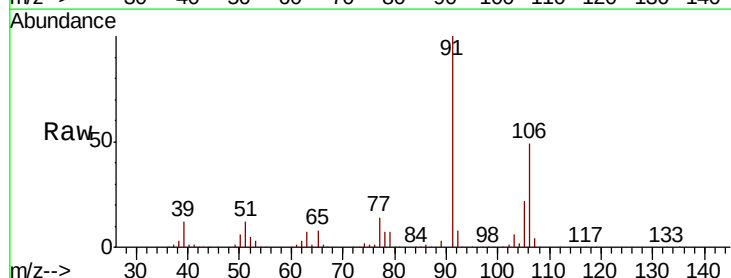
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

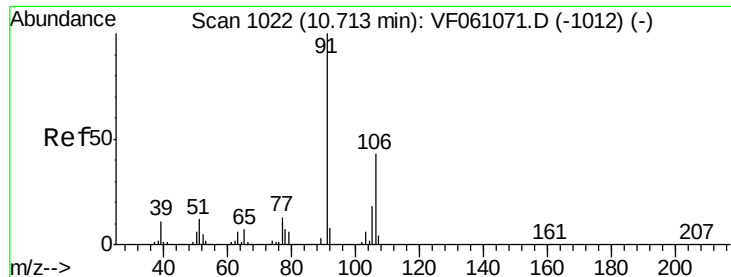
Tgt Ion: 91 Resp: 861820
Ion Ratio Lower Upper
91 100
106 28.2 22.5 33.7



#68
m/p-Xylenes
Concen: 137.708 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion: 106 Resp: 599416
Ion Ratio Lower Upper
106 100
91 203.5 168.2 252.2

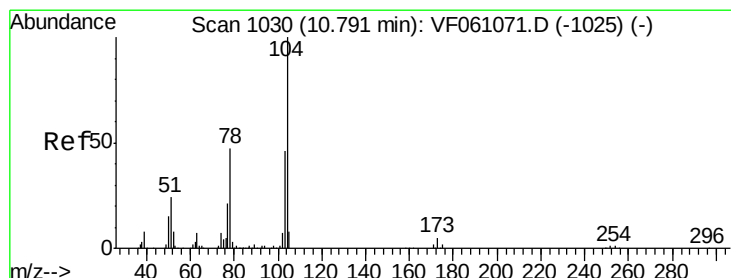
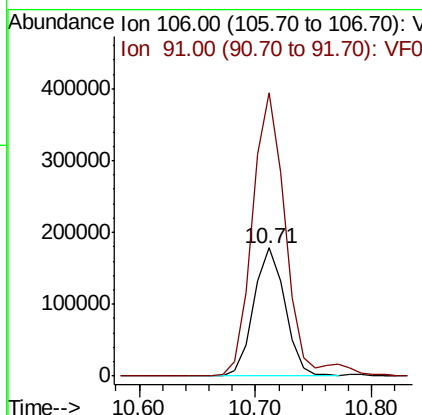
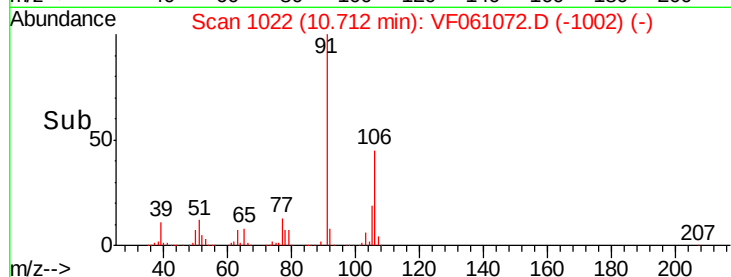
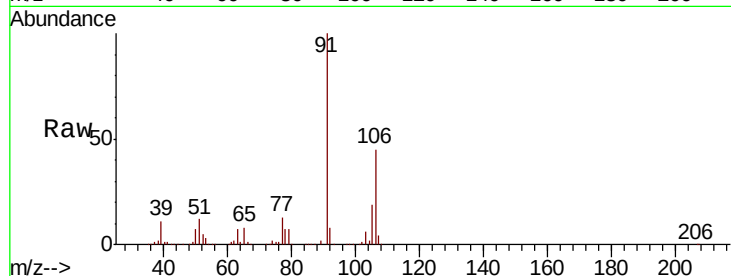




#69
o-Xylene
Concen: 69.379 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

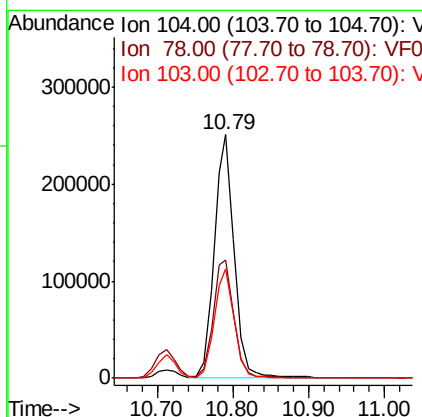
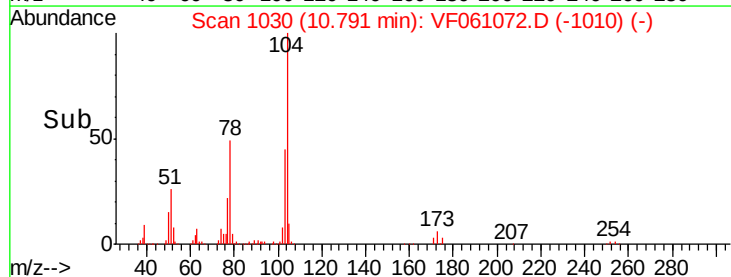
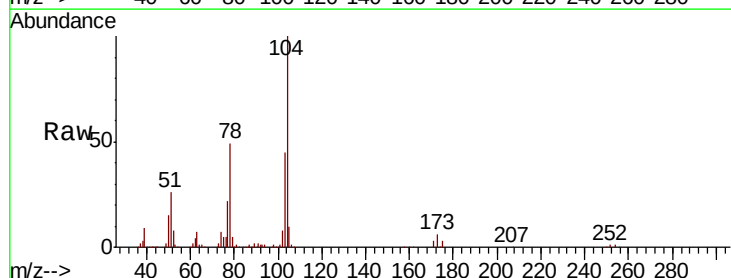
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

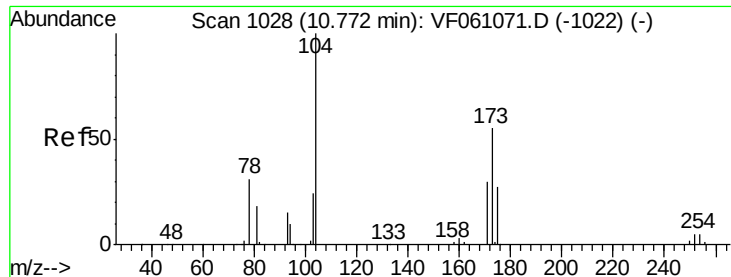
Tgt Ion:106 Resp: 332393
Ion Ratio Lower Upper
106 100
91 220.7 115.9 347.7



#70
Styrene
Concen: 69.841 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion:104 Resp: 460550
Ion Ratio Lower Upper
104 100
78 48.8 38.4 57.6
103 44.6 37.0 55.6





#71

Bromoform

Concen: 70.143 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

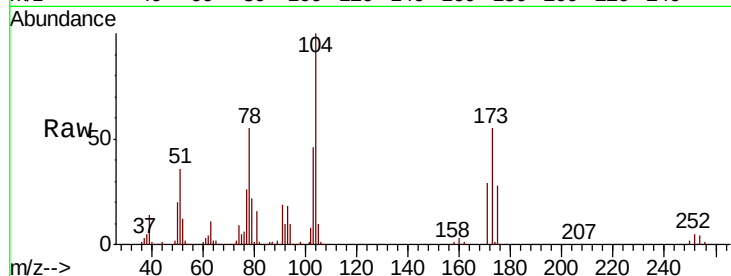
Tgt Ion:173 Resp: 93308

Ion Ratio Lower Upper

173 100

175 50.9 24.8 74.4

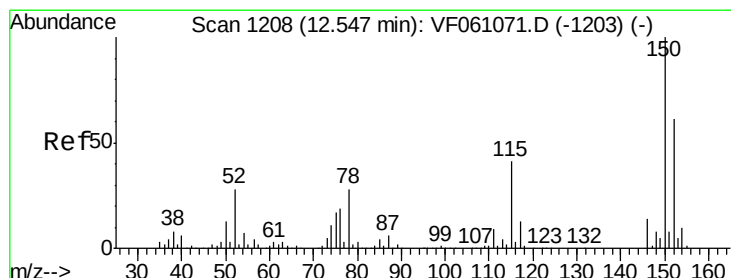
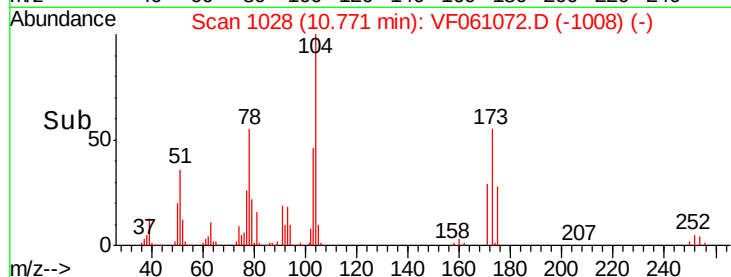
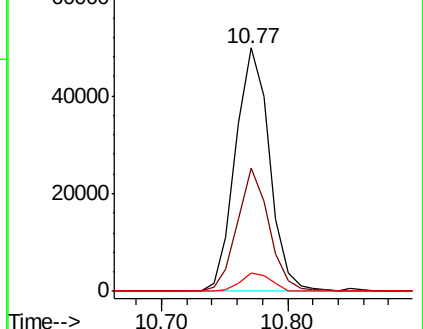
254 7.7 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

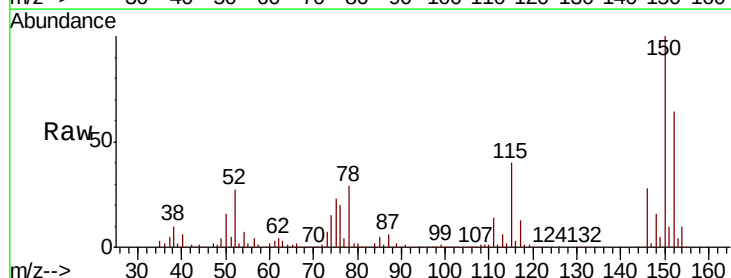
Tgt Ion:152 Resp: 164544

Ion Ratio Lower Upper

152 100

115 62.0 33.3 99.9

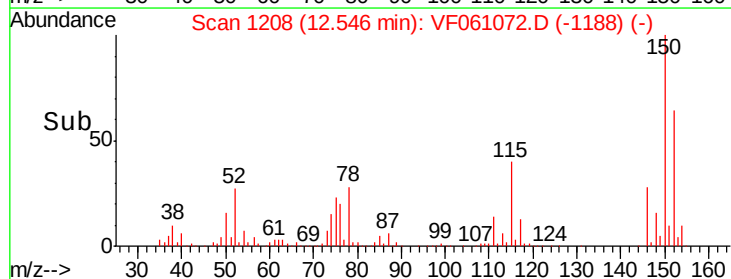
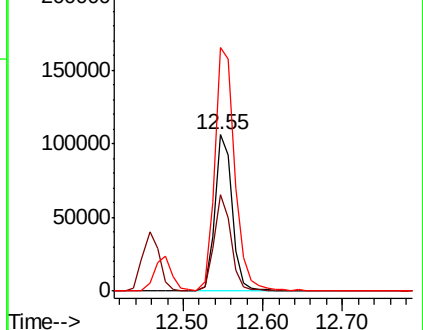
150 155.8 0.0 328.2

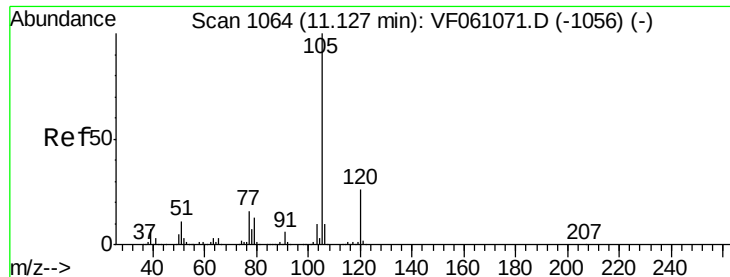


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 71.511 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

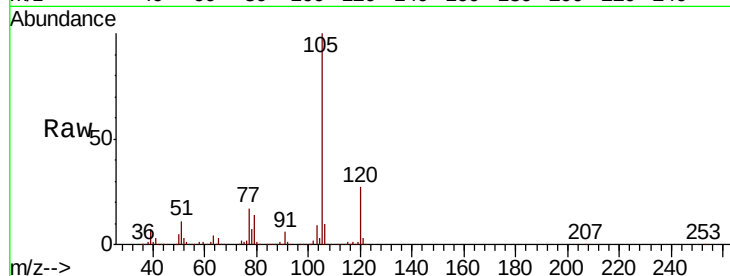
VSTDIC075

Tgt Ion: 105 Resp: 942221

Ion Ratio Lower Upper

105 100

120 26.6 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

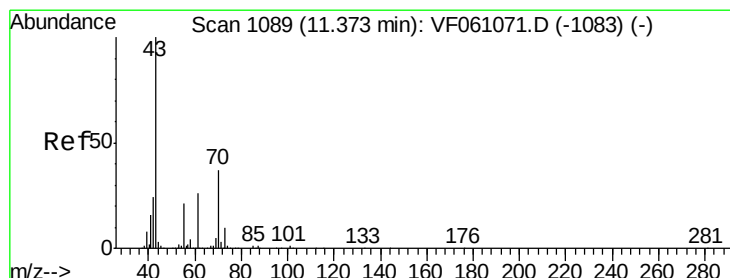
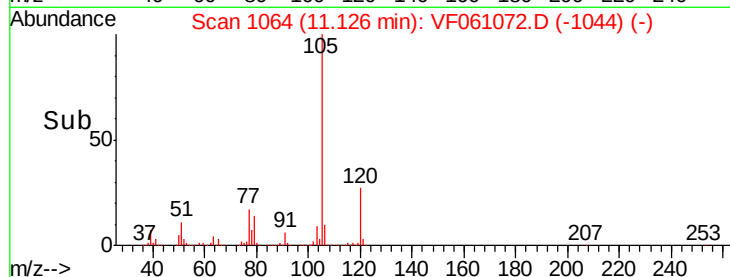
100000

0

11.13

11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 72.086 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Tgt Ion: 43 Resp: 217063

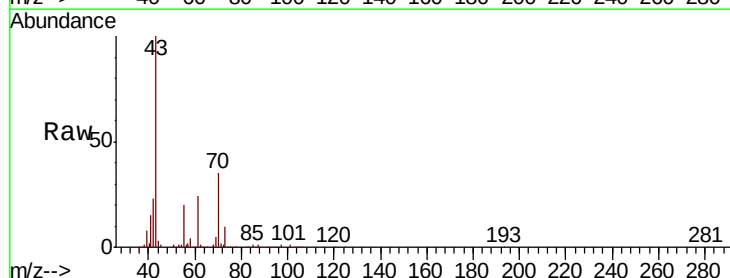
Ion Ratio Lower Upper

43 100

70 34.7 29.2 43.8

55 20.0 16.5 24.7

61 24.3 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

200000

150000

100000

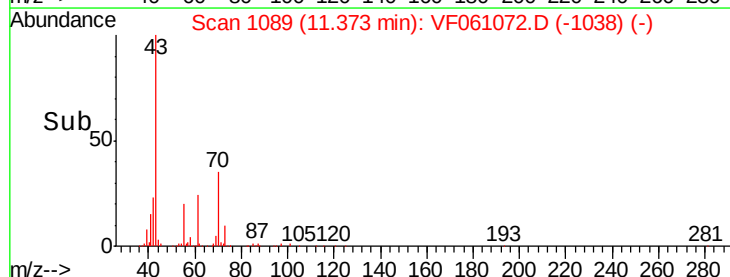
50000

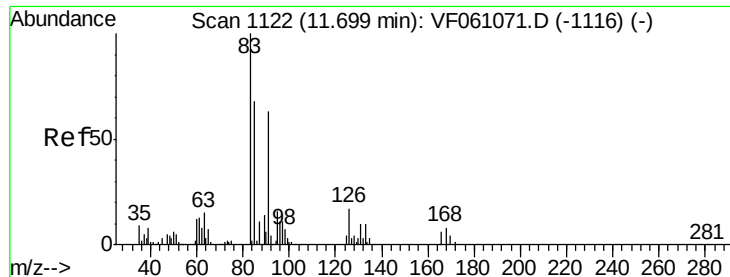
0

11.37

11.30 11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 74.680 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

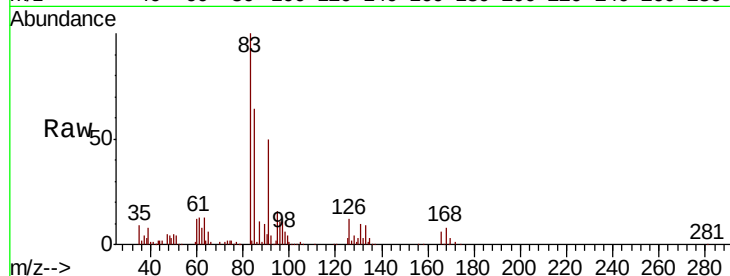
Tgt Ion: 83 Resp: 161369

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

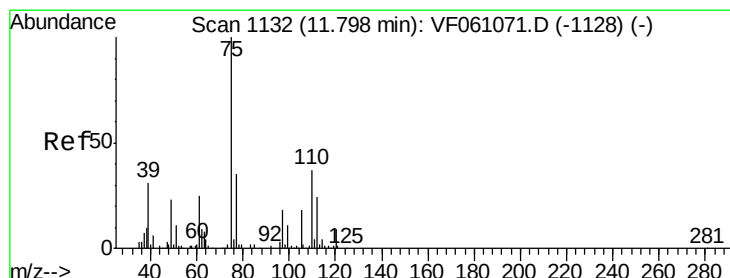
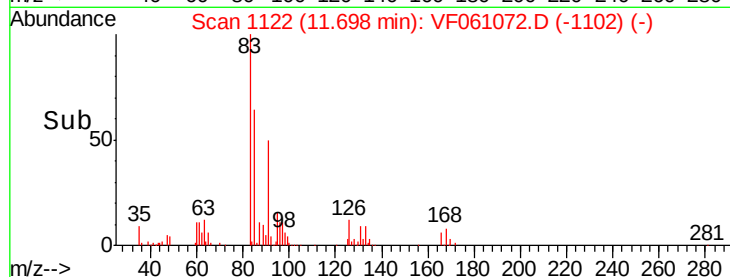
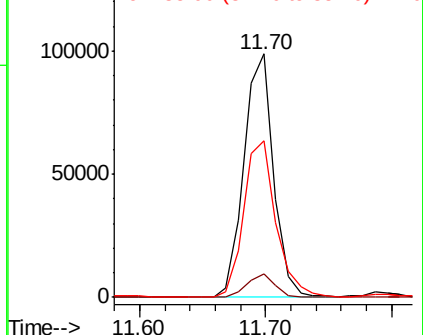
85 64.1 33.9 101.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 77.640 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF061072.D

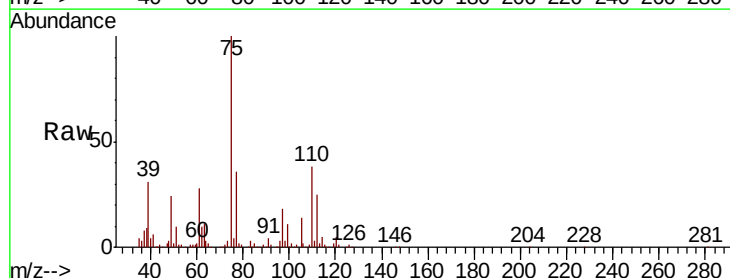
Acq: 18 Dec 2018 20:20

Tgt Ion: 75 Resp: 122859

Ion Ratio Lower Upper

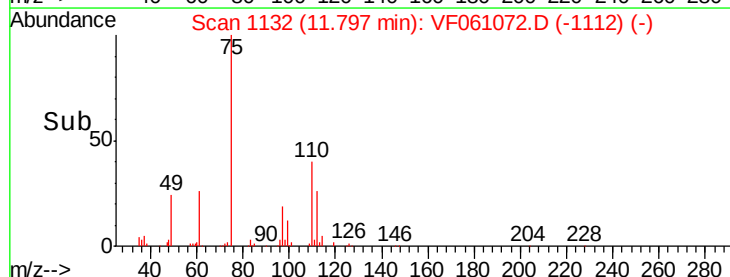
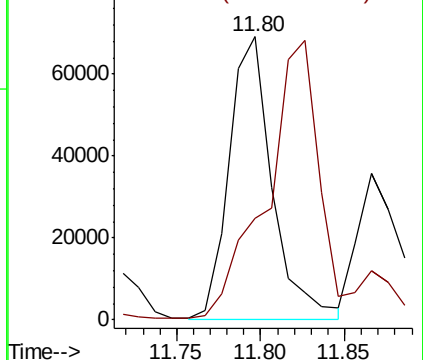
75 100

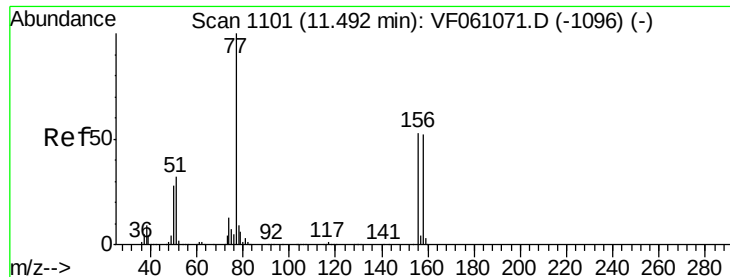
77 36.0 17.6 52.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 73.860 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

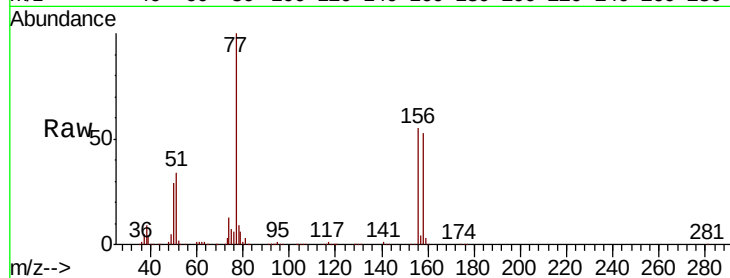
Tgt Ion:156 Resp: 210507

Ion Ratio Lower Upper

156 100

77 181.0 93.8 281.4

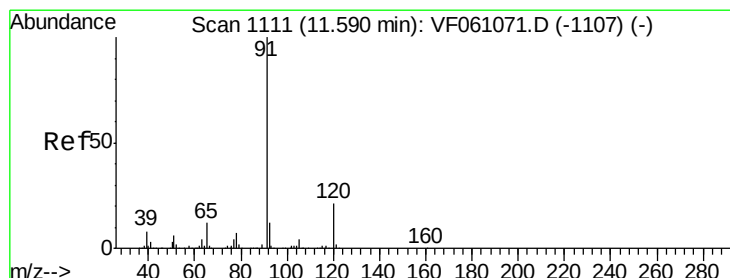
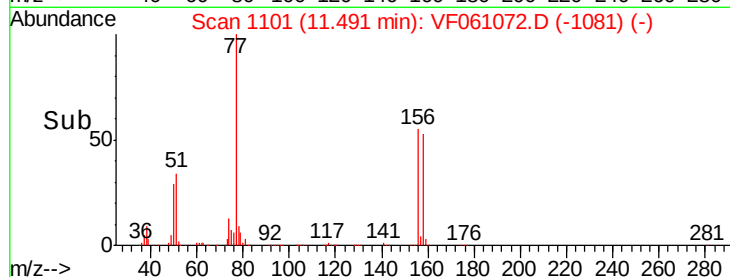
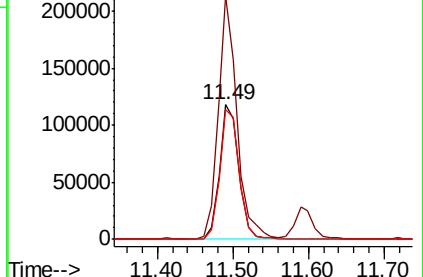
158 96.6 48.9 146.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 68.470 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061072.D

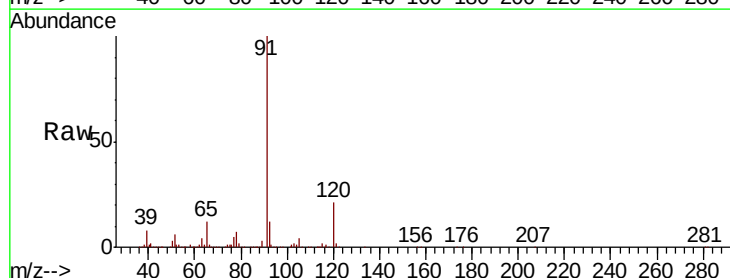
Acq: 18 Dec 2018 20:20

Tgt Ion: 91 Resp: 1057080

Ion Ratio Lower Upper

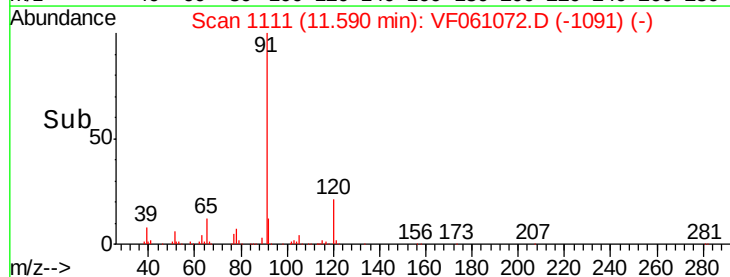
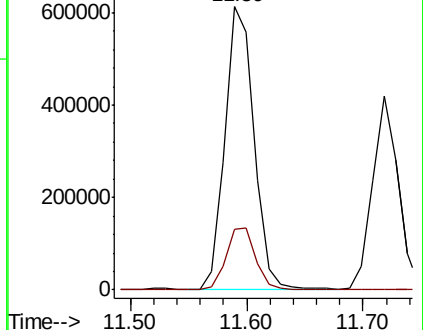
91 100

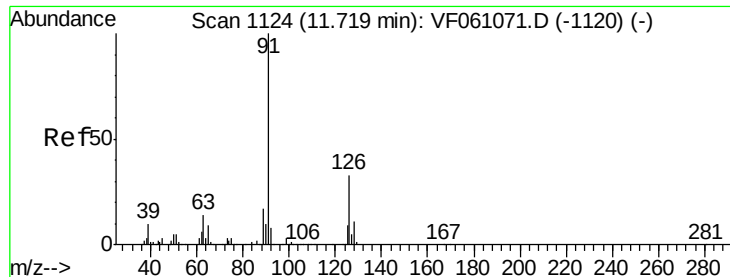
120 21.2 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 71.867 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF061072.D

Acq: 18 Dec 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

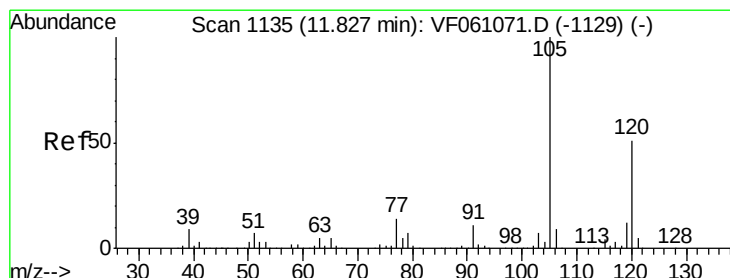
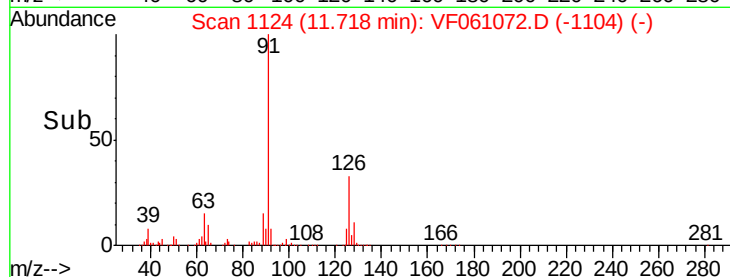
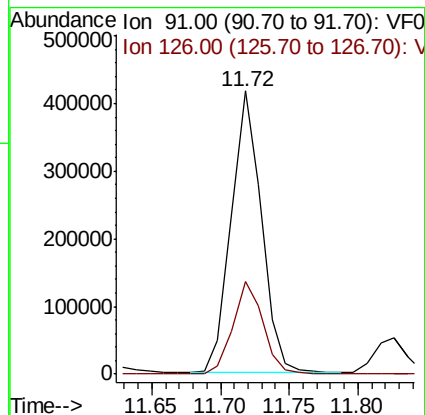
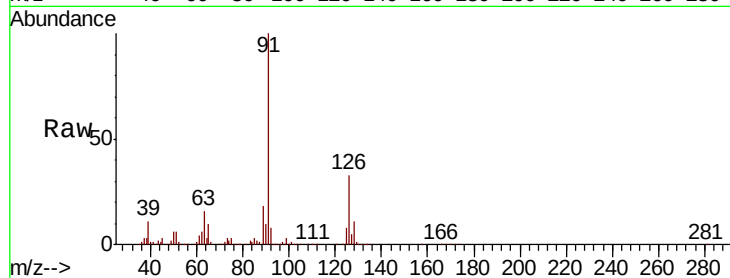
VSTDIC075

Tgt Ion: 91 Resp: 636973

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 71.874 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061072.D

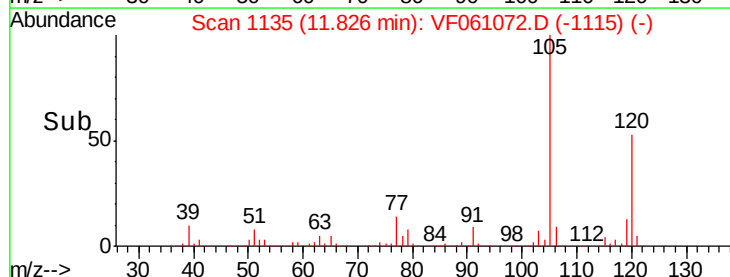
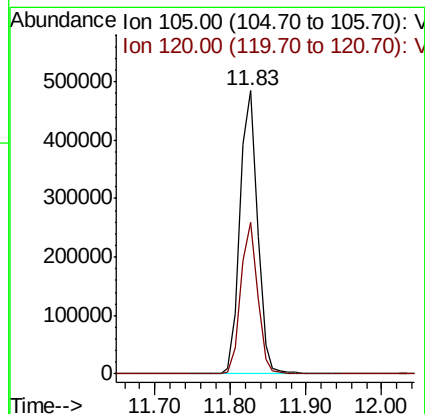
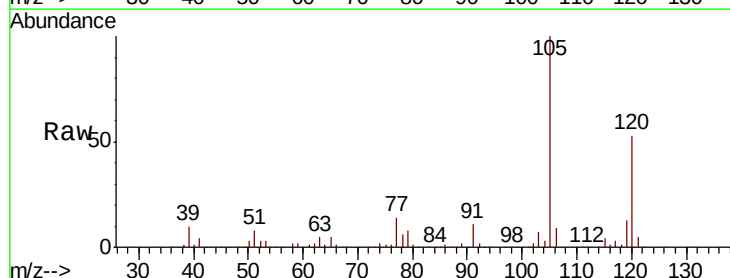
Acq: 18 Dec 2018 20:20

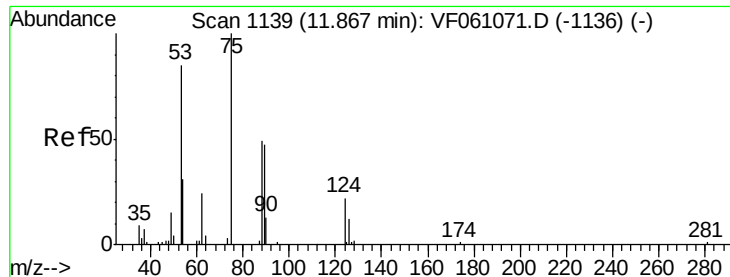
Tgt Ion: 105 Resp: 768215

Ion Ratio Lower Upper

105 100

120 53.4 25.4 76.4

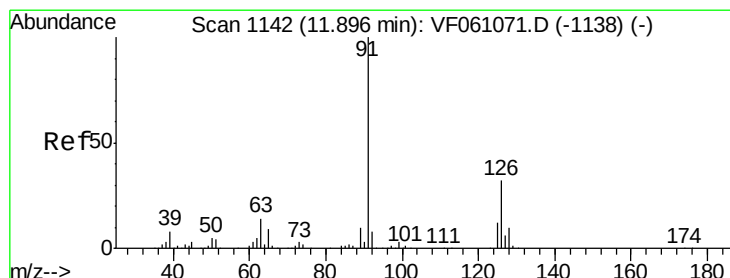
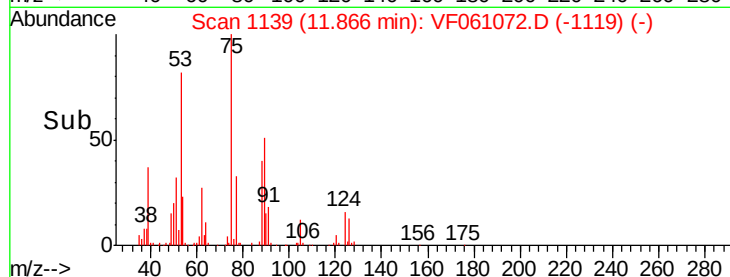
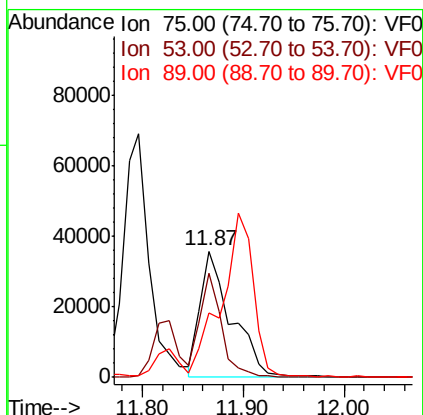
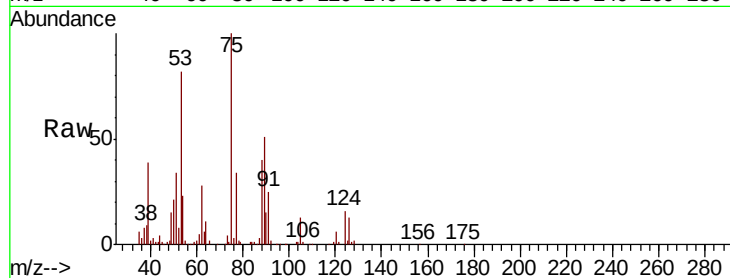




#81
trans-1,4-Dichloro-2-butene
Concen: 102.342 ug/l
RT: 11.87 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

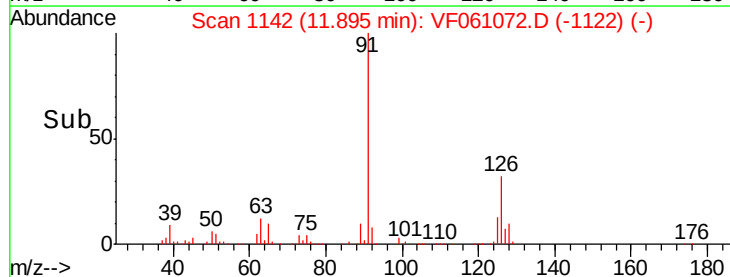
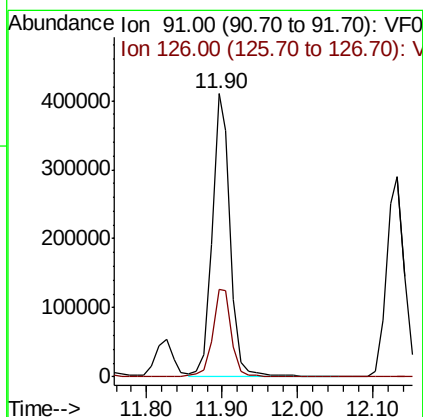
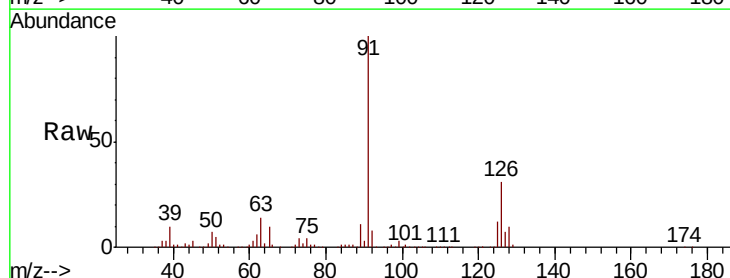
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

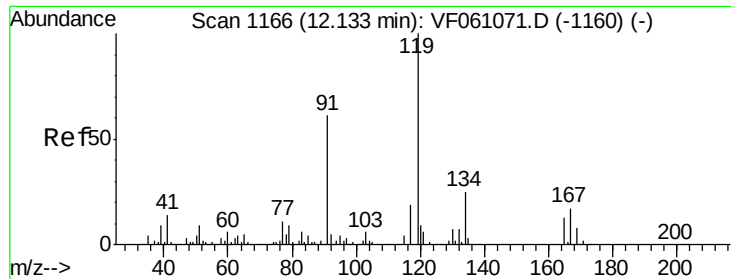
Tgt Ion: 75 Resp: 77915
Ion Ratio Lower Upper
75 100
53 82.4 74.1 111.1
89 51.4 42.6 64.0



#82
4-Chlorotoluene
Concen: 73.132 ug/l
RT: 11.90 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion: 91 Resp: 679609
Ion Ratio Lower Upper
91 100
126 30.7 16.0 47.9

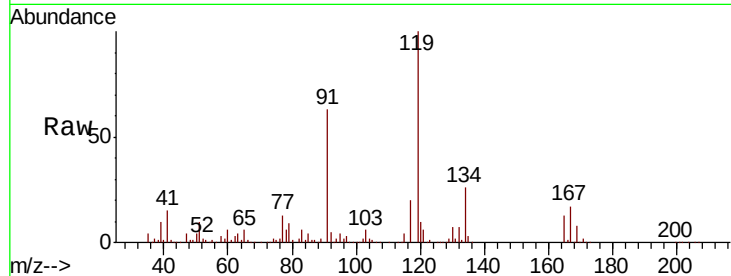




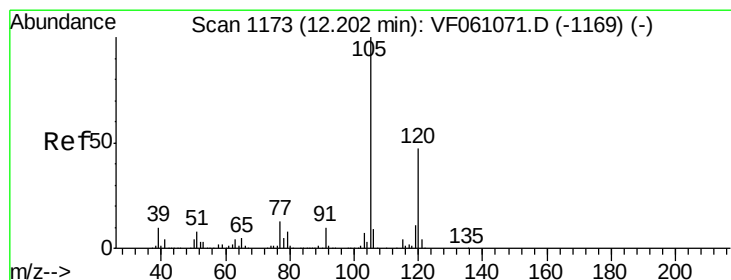
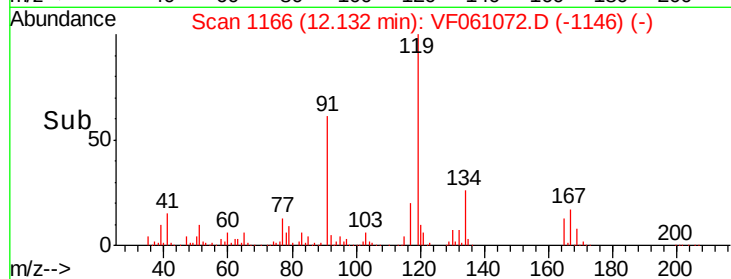
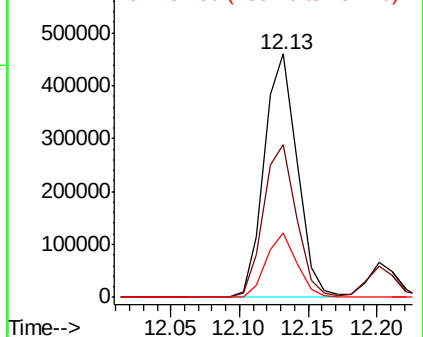
#83
 tert-Butylbenzene
 Concen: 70.329 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:119 Resp: 768923
 Ion Ratio Lower Upper
 119 100
 91 62.8 30.5 91.5
 134 26.2 12.4 37.4

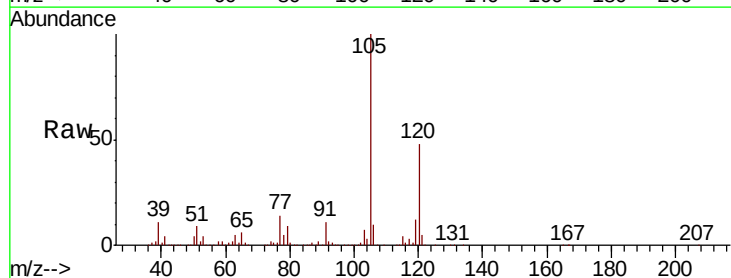


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

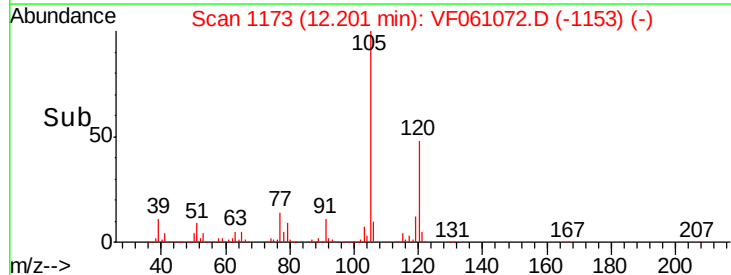
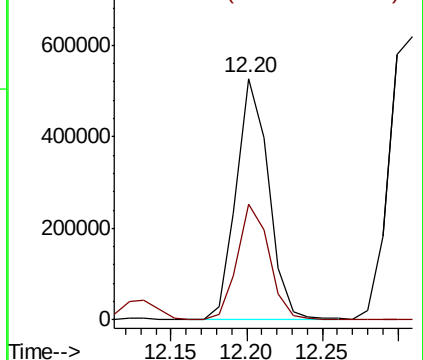


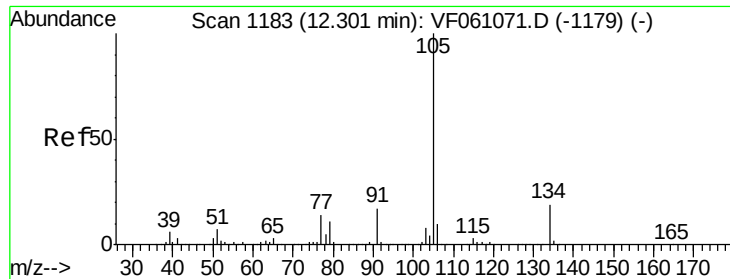
#84
 1,2,4-Trimethylbenzene
 Concen: 74.720 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion:105 Resp: 789471
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.6 71.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

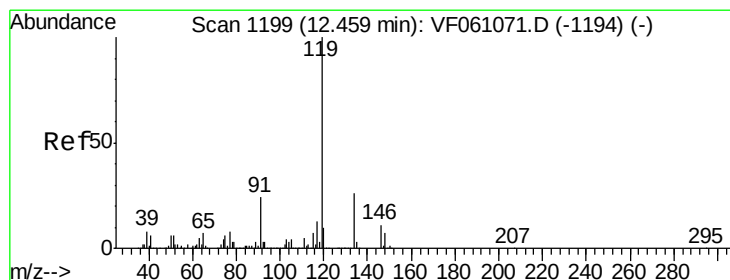
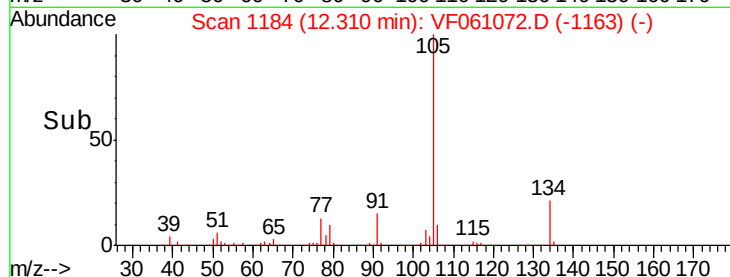
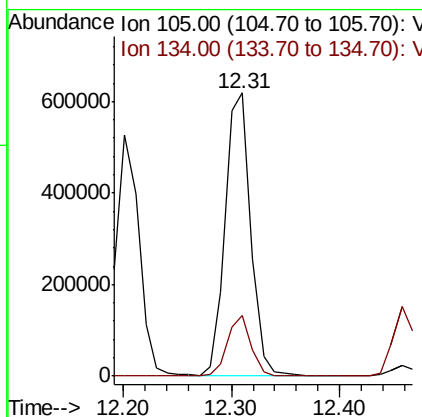
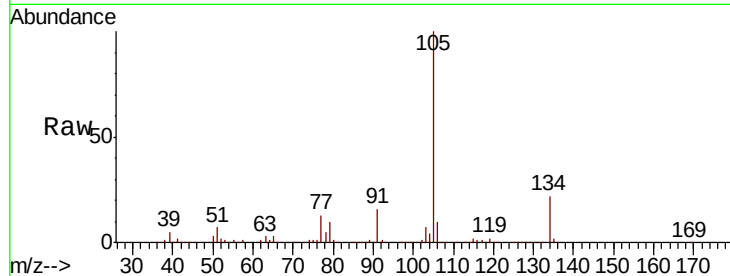




#85
 sec-Butylbenzene
 Concen: 68.636 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

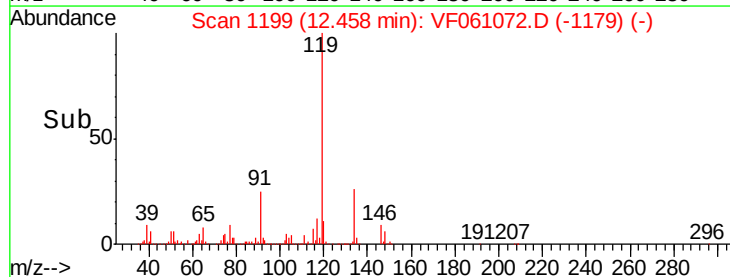
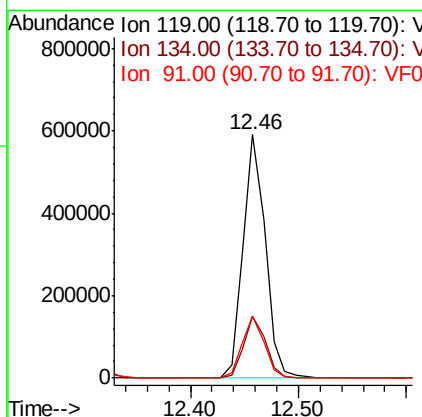
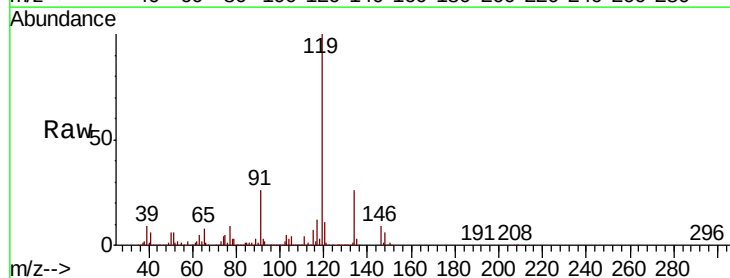
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

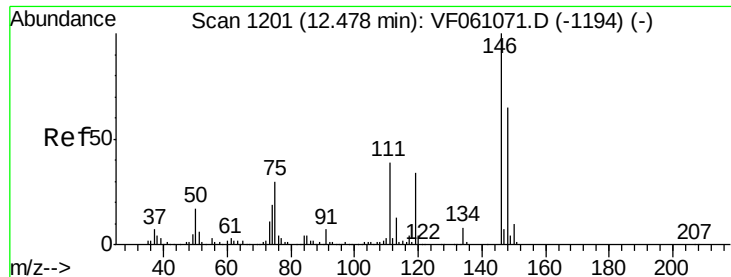
Tgt Ion:105 Resp: 1017194
 Ion Ratio Lower Upper
 105 100
 134 21.6 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 67.414 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion:119 Resp: 840332
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 25.6 12.2 36.6

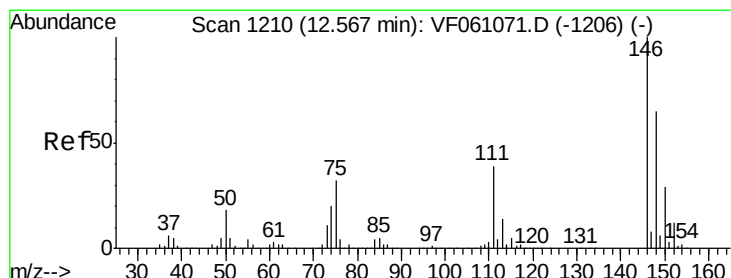
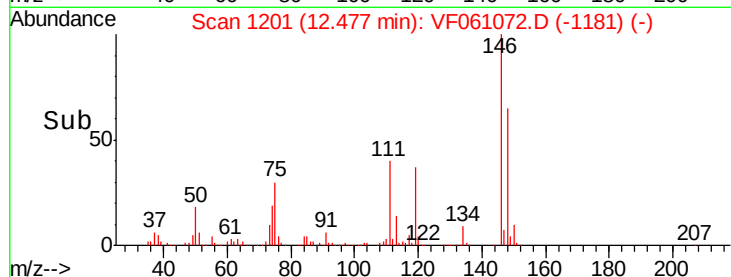
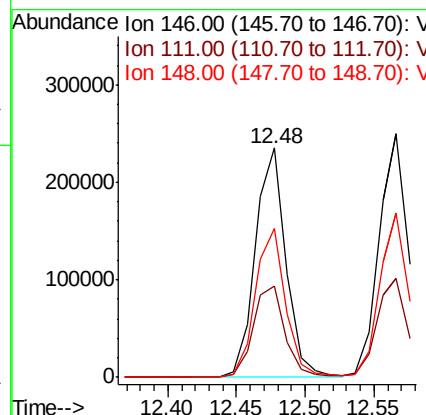
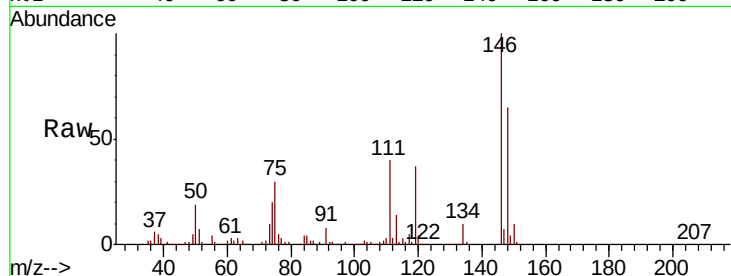




#87
 1,3-Dichlorobenzene
 Concen: 67.357 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

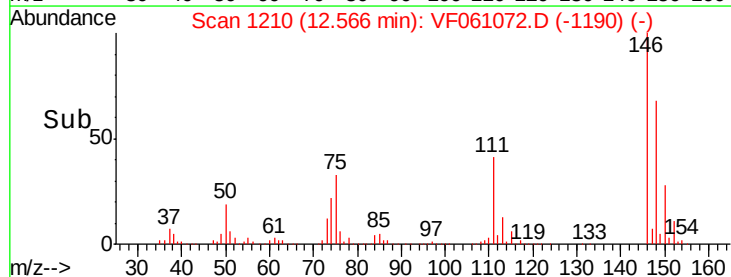
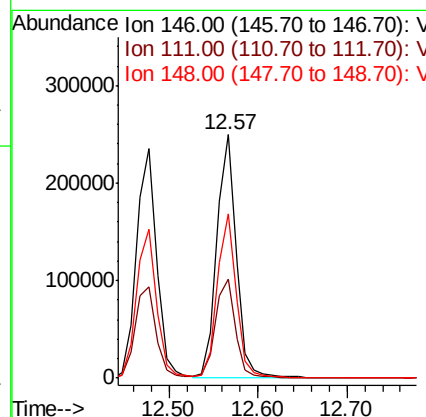
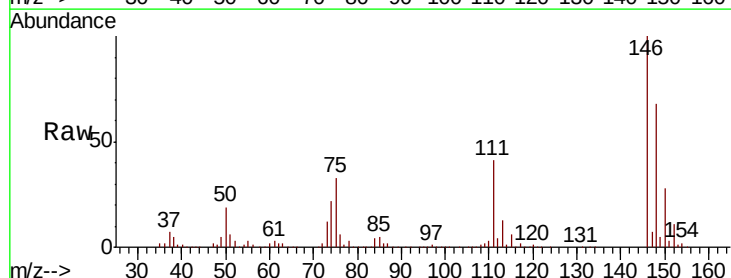
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

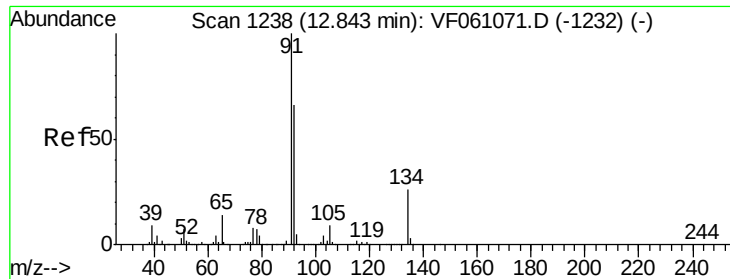
Tgt Ion:146 Resp: 365108
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.3 57.9
 148 64.8 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 71.897 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion:146 Resp: 380013
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.4 58.4
 148 67.7 32.4 97.0

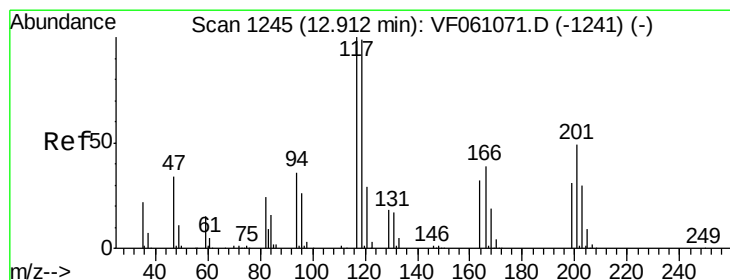
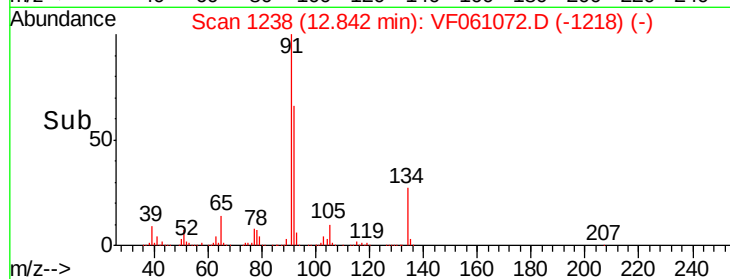
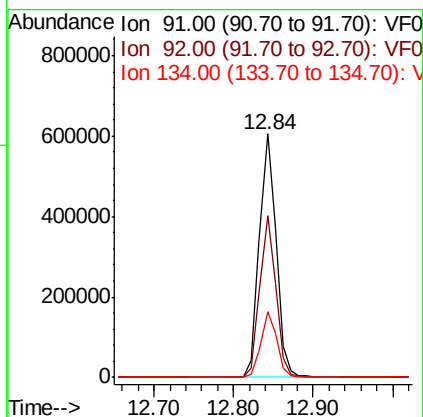
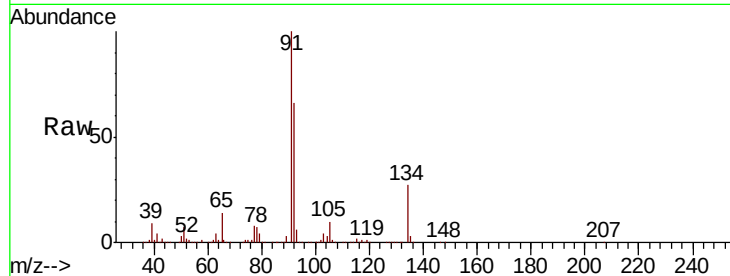




#89
n-Butylbenzene
Concen: 68.994 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

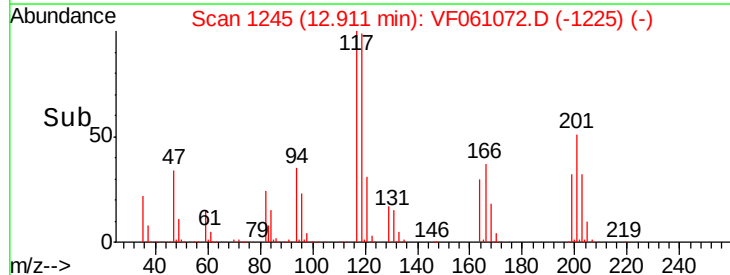
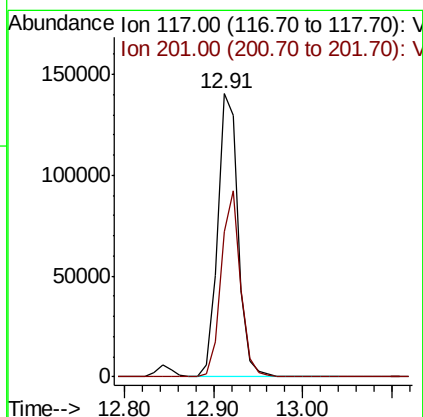
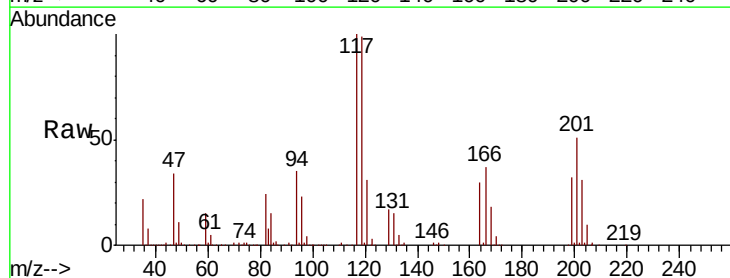
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

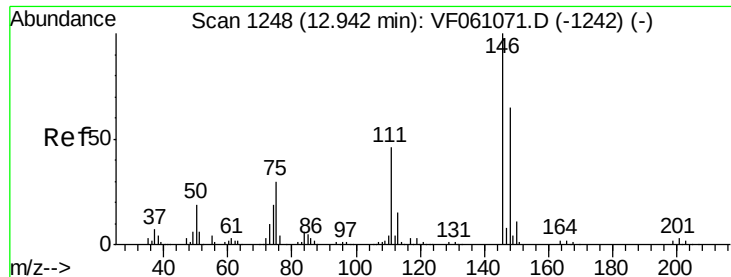
Tgt Ion: 91 Resp: 865556
Ion Ratio Lower Upper
91 100
92 66.4 32.8 98.4
134 26.8 13.2 39.5



#90
Hexachloroethane
Concen: 75.840 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion: 117 Resp: 226760
Ion Ratio Lower Upper
117 100
201 51.1 24.9 74.8

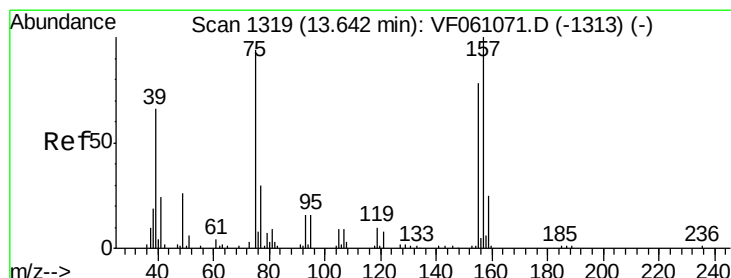
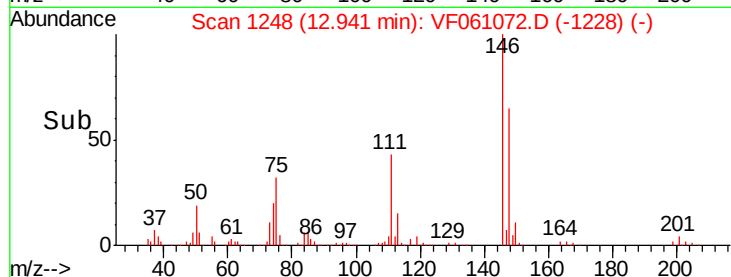
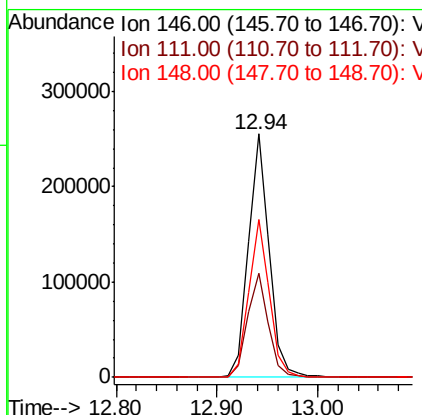
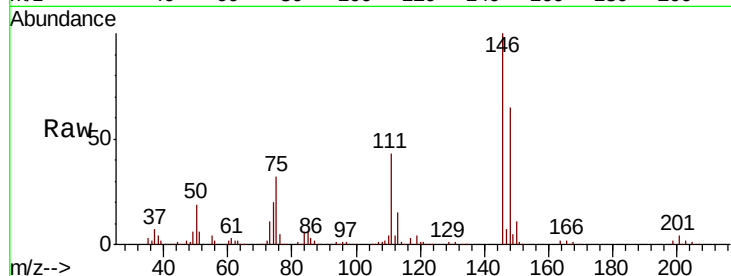




#91
 1,2-Dichlorobenzene
 Concen: 71.353 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

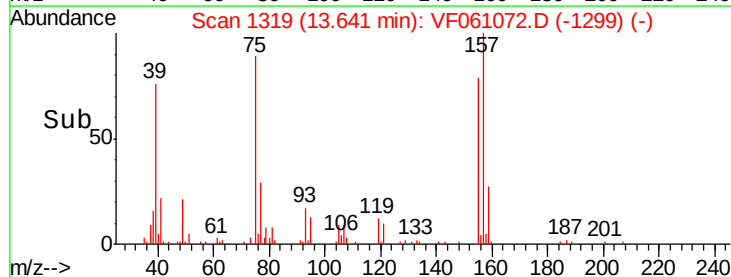
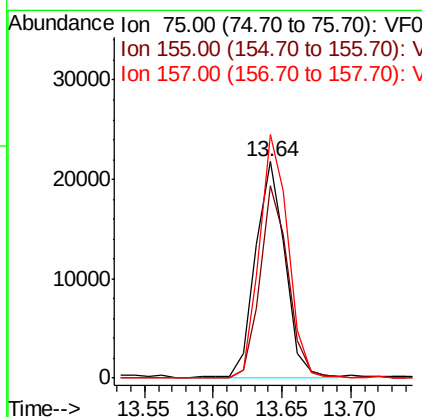
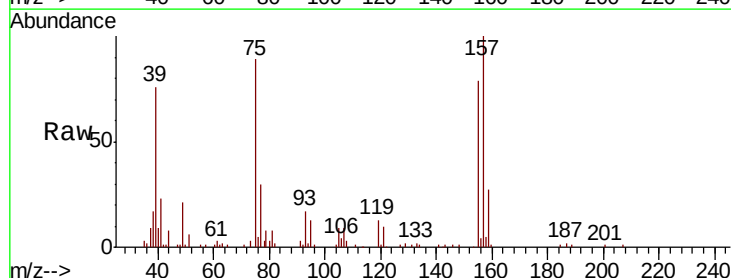
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

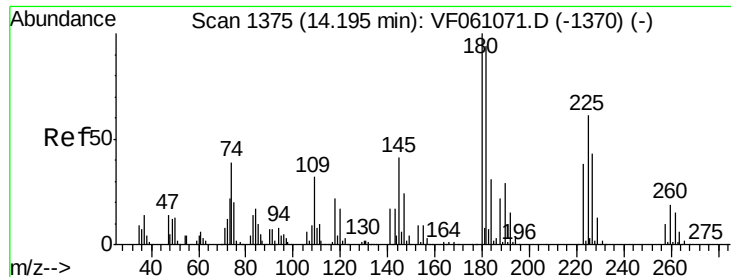
Tgt Ion:146 Resp: 367901
 Ion Ratio Lower Upper
 146 100
 111 43.0 23.2 69.5
 148 64.7 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 78.702 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061072.D
 Acq: 18 Dec 2018 20:20

Tgt Ion: 75 Resp: 32882
 Ion Ratio Lower Upper
 75 100
 155 88.6 41.5 124.5
 157 112.4 53.2 159.6

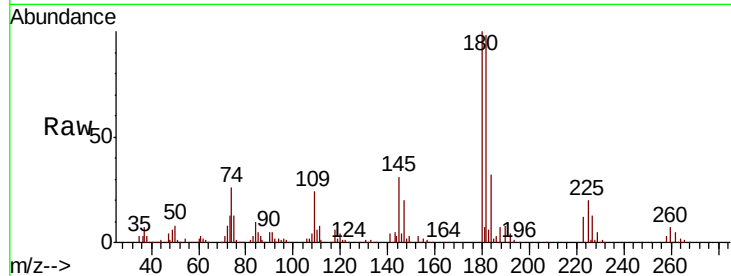




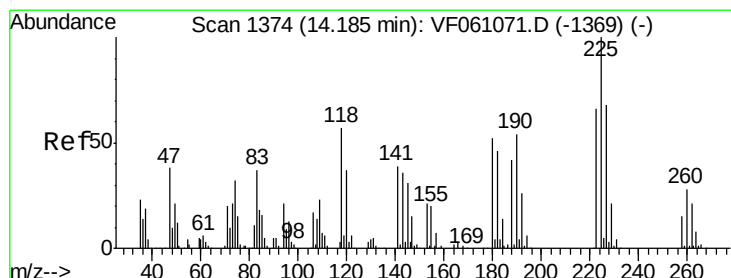
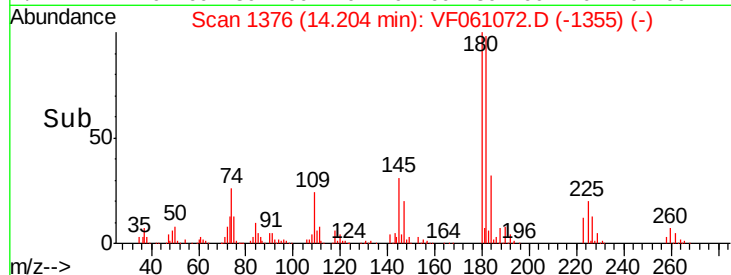
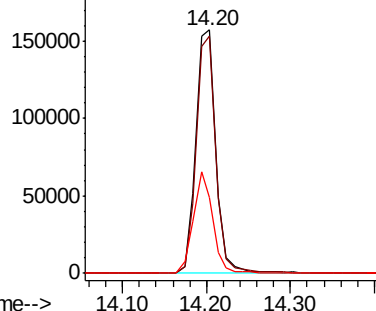
#93
1,2,4-Trichlorobenzene
Concen: 72.287 ug/l
RT: 14.20 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:180 Resp: 260642
Ion Ratio Lower Upper
180 100
182 97.6 46.9 140.6
145 31.0 20.5 61.6

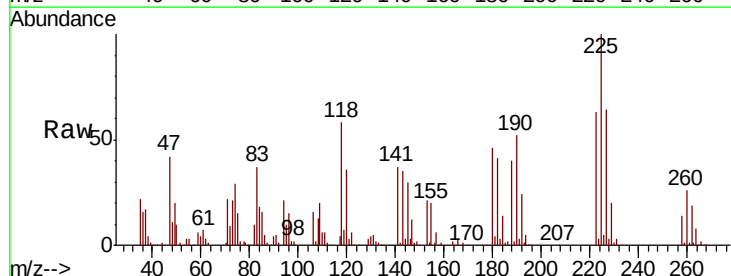


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

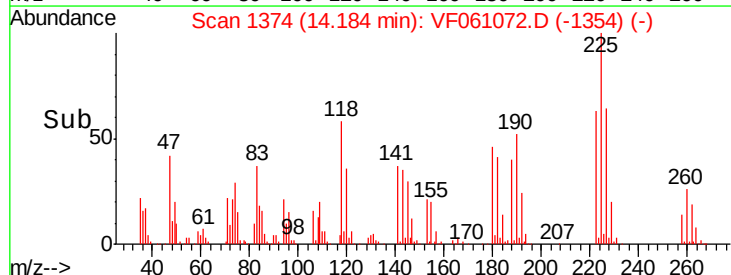
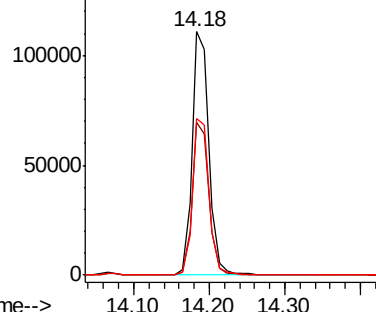


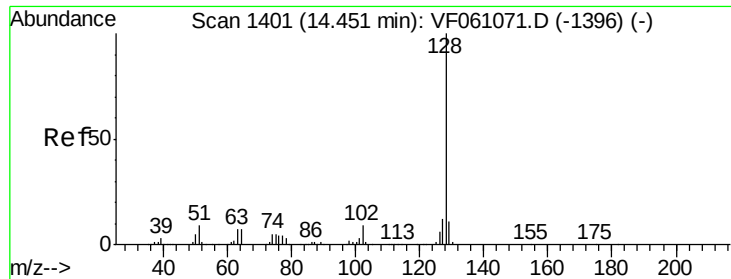
#94
Hexachlorobutadiene
Concen: 71.658 ug/l
RT: 14.18 min Scan# 1374
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion:225 Resp: 172017
Ion Ratio Lower Upper
225 100
223 63.0 32.8 98.3
227 64.2 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

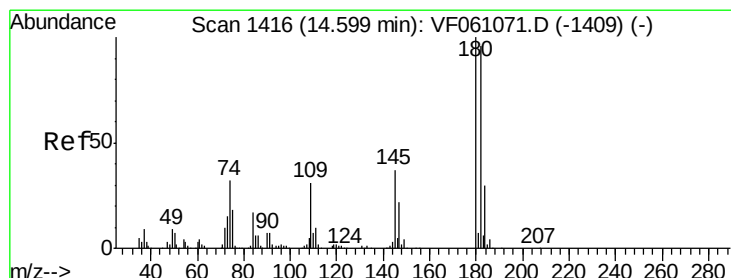
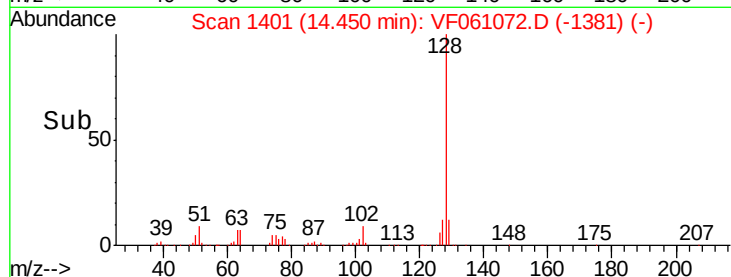
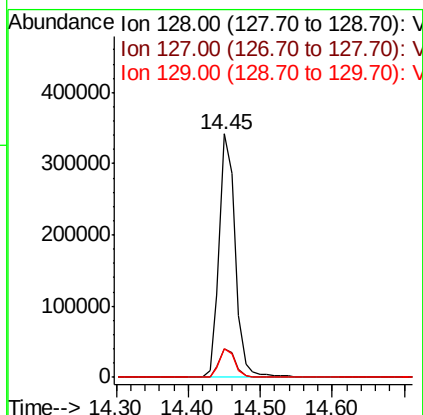
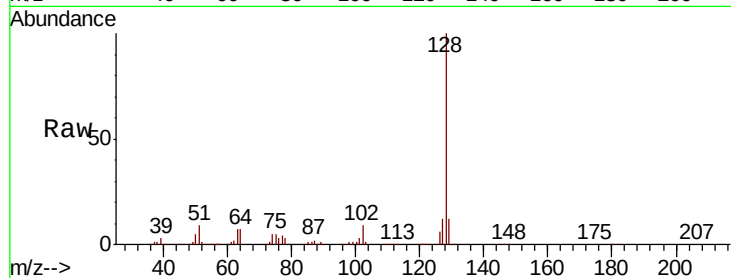




#95
Naphthalene
Concen: 66.687 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:128 Resp: 527822
Ion Ratio Lower Upper
128 100
127 11.5 9.4 14.2
129 11.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 73.627 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061072.D
Acq: 18 Dec 2018 20:20

Tgt Ion:180 Resp: 249793
Ion Ratio Lower Upper
180 100
182 97.7 47.9 143.8
145 38.7 18.6 55.8

