

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061583.D
 Acq On : 11 Feb 2019 13:51
 Operator : VA/AP
 Sample : VF0211SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 12 03:25:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	173252	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	295846	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	265509	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	140220	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	109224	51.06	ug/l	-0.01
Spiked Amount			Recovery	=	102.12%	
35) Dibromofluoromethane	4.09	113	123435	52.87	ug/l	-0.01
Spiked Amount			Recovery	=	105.74%	
50) Toluene-d8	7.53	98	311562	48.71	ug/l	-0.01
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.40	95	145907	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	60410	17.746	ug/l	91
3) Chloromethane	1.09	50	47015	18.836	ug/l	97
4) Vinyl Chloride	1.13	62	44286	19.945	ug/l	90
5) Bromomethane	1.32	94	32494	22.442	ug/l	94
6) Chloroethane	1.39	64	20042	20.371	ug/l	93
7) Trichlorofluoromethane	1.47	101	60948	14.120	ug/l	91
8) Diethyl Ether	1.62	74	10653	19.261	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	41142	19.836	ug/l	97
10) Methyl Iodide	1.90	142	47782	14.860	ug/l	99
11) Tert butyl alcohol	2.55	59	9114	100.662	ug/l #	85
12) 1,1-Dichloroethene	1.79	96	33048	21.447	ug/l	98
13) Acrolein	1.99	56	3833	57.454	ug/l	94
14) Allyl chloride	2.09	41	47767	27.126	ug/l	98
15) Acrylonitrile	2.93	53	23849	102.833	ug/l	89
16) Acetone	2.23	43	56104	130.744	ug/l #	91
17) Carbon Disulfide	1.82	76	66876	13.919	ug/l #	90
18) Methyl Acetate	2.33	43	17490	20.552	ug/l	94
19) Methyl tert-butyl Ether	2.41	73	68918	19.952	ug/l	97
20) Methylene Chloride	2.24	84	17810	10.851	ug/l	90
21) trans-1,2-Dichloroethene	2.29	96	33561	19.796	ug/l	92
22) Diisopropyl ether	2.79	45	116888	21.316	ug/l	97
23) Vinyl Acetate	3.17	43	267282	112.595	ug/l	99
24) 1,1-Dichloroethane	2.86	63	72772	21.145	ug/l	96
25) 2-Butanone	4.31	43	81577	114.318	ug/l	95
26) 2,2-Dichloropropane	3.58	77	42027	19.876	ug/l	94
27) cis-1,2-Dichloroethene	3.46	96	51460	20.563	ug/l	92
28) Bromochloromethane	3.70	49	31450	20.329	ug/l	86
29) Tetrahydrofuran	4.05	42	32367	105.338	ug/l	96
30) Chloroform	3.84	83	96952	20.874	ug/l	99
31) Cyclohexane	3.67	56	39481	11.484	ug/l	91
32) 1,1,1-Trichloroethane	4.07	97	59996	17.617	ug/l	97
36) 1,1-Dichloropropene	4.26	75	67106	19.563	ug/l #	91
37) Ethyl Acetate	4.09	43	29232	21.319	ug/l #	84
38) Carbon Tetrachloride	3.97	117	59090	19.705	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	70598	18.991	ug/l	94
40) Benzene	4.61	78	152814	20.021	ug/l	96
41) Methacrylonitrile	4.72	41	16192	22.193	ug/l	94
42) 1,2-Dichloroethane	4.92	62	57288	21.063	ug/l	95
43) Isopropyl Acetate	6.94	43	32986	19.168	ug/l #	89
44) Trichloroethene	5.48	130	49294	21.053	ug/l	98
45) 1,2-Dichloropropane	6.21	63	39685	19.810	ug/l	97
46) Dibromomethane	6.06	93	25377	19.051	ug/l	96
47) Bromodichloromethane	6.37	83	70702	21.453	ug/l	94
48) Methyl methacrylate	6.69	41	22464	19.439	ug/l	98
49) 1,4-Dioxane	6.68	88	3382	375.951	ug/l	89
51) 4-Methyl-2-Pentanone	8.24	43	141272	111.666	ug/l	99
52) Toluene	7.60	92	103741	20.639	ug/l	100
53) t-1,3-Dichloropropene	8.26	75	58665	22.417	ug/l	97
54) cis-1,3-Dichloropropene	7.28	75	73523	22.476	ug/l	99
55) 1,1,2-Trichloroethane	8.47	97	28691	20.101	ug/l	93
56) Ethyl methacrylate	8.61	69	34099	20.534	ug/l	96
57) 1,3-Dichloropropane	8.83	76	54400	20.333	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.28	63	28247	171.873	ug/l	97
59) 2-Hexanone	9.48	43	109980	124.665	ug/l	92
60) Dibromochloromethane	8.70	129	41663	19.966	ug/l	98
61) 1,2-Dibromoethane	8.97	107	32359	19.803	ug/l	100
64) Tetrachloroethene	8.13	164	42165	21.118	ug/l	94
65) Chlorobenzene	9.78	112	107676	19.943	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	50012	23.252	ug/l	97
67) Ethyl Benzene	9.88	91	214502	21.744	ug/l	97
68) m/p-Xylenes	10.12	106	151228	42.623	ug/l	98
69) o-Xylene	10.70	106	80735	20.995	ug/l	100
70) Styrene	10.77	104	113839	21.627	ug/l	99
71) Bromoform	10.76	173	21659	22.412	ug/l #	93
73) Isopropylbenzene	11.11	105	250661	21.979	ug/l	99
74) N-amyl acetate	11.36	43	60671	22.498	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	42027	20.686	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	31344	21.471	ug/l	99
77) Bromobenzene	11.48	156	52019	21.598	ug/l	89
78) n-propylbenzene	11.58	91	299664	20.172	ug/l	96
79) 2-Chlorotoluene	11.70	91	169241	21.388	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	207791	22.577	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.85	75	17712	27.910	ug/l	97
82) 4-Chlorotoluene	11.88	91	167595	20.989	ug/l	94
83) tert-Butylbenzene	12.12	119	217968	22.882	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	207596	21.898	ug/l	94
85) sec-Butylbenzene	12.30	105	282702	21.853	ug/l	98
86) p-Isopropyltoluene	12.44	119	237947	22.407	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	102022	20.164	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	98314	21.602	ug/l	96
89) n-Butylbenzene	12.83	91	243767	22.258	ug/l	96
90) Hexachloroethane	12.91	117	57852	23.111	ug/l	92
91) 1,2-Dichlorobenzene	12.93	146	94426	20.958	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	6856	19.026	ug/l	77

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

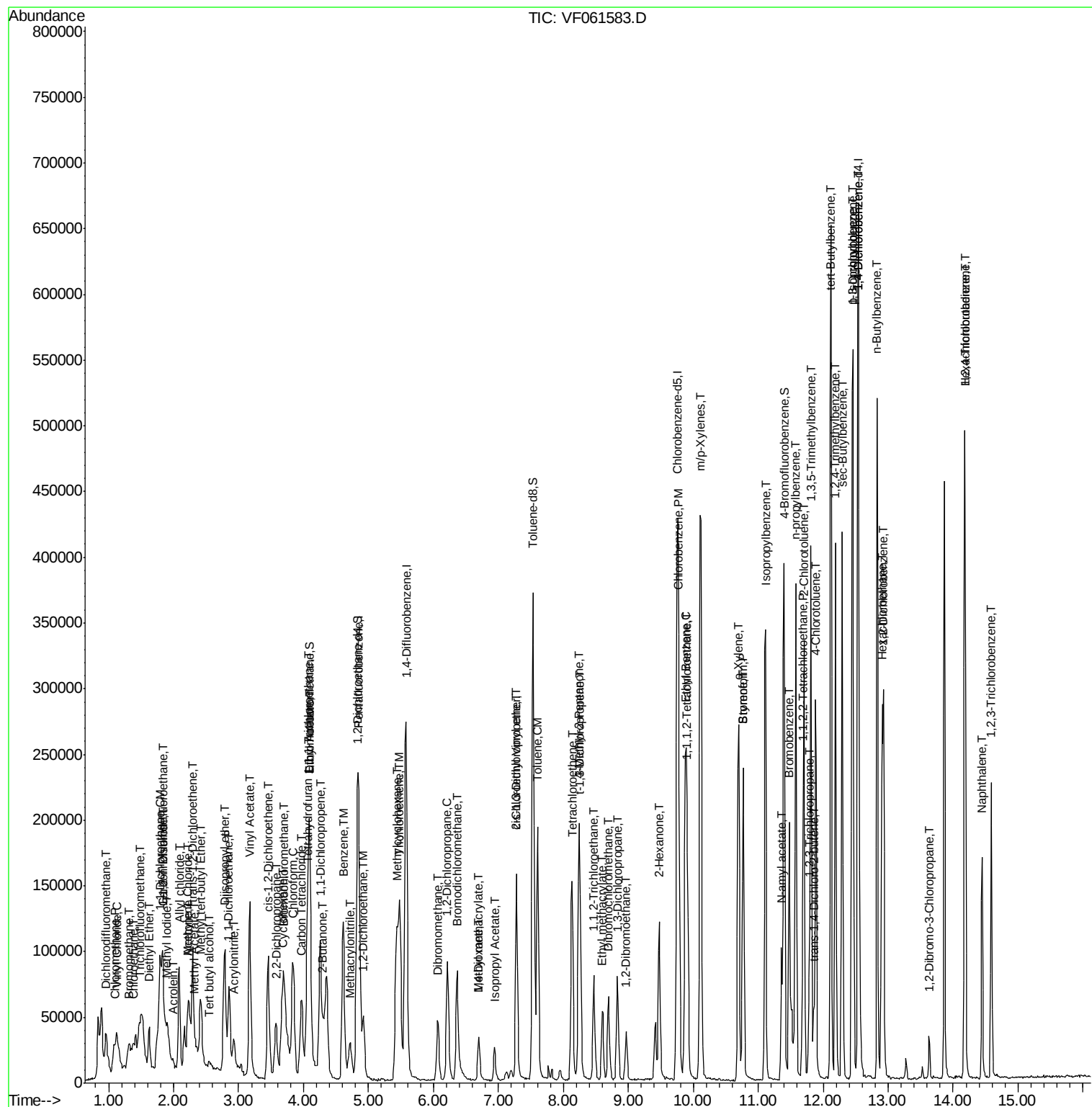
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	69764	22.104	ug/l	95
94) Hexachlorobutadiene	14.18	225	42513	21.707	ug/l	96
95) Naphthalene	14.45	128	119109	19.863	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	59615	20.404	ug/l	97

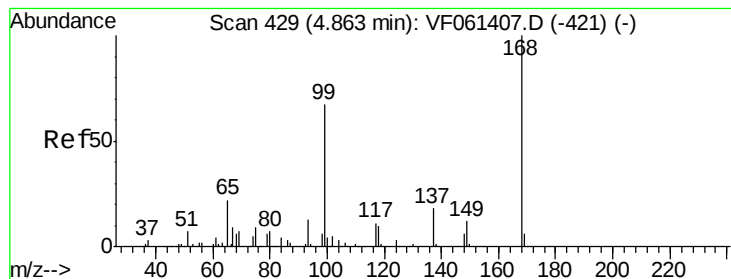
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021119\
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

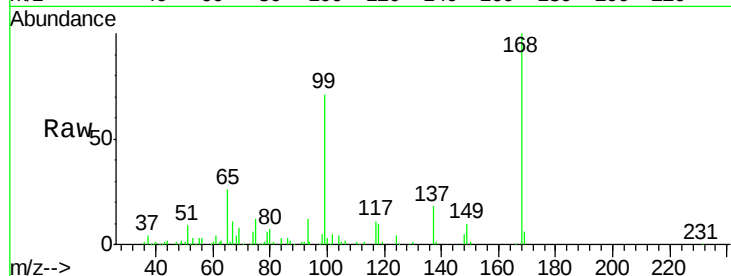
ClientSampleId :

Tot Ion:168 Resp: 173252

Ion Ratio Lower Upper

168 100

99 71.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

50000

40000

30000

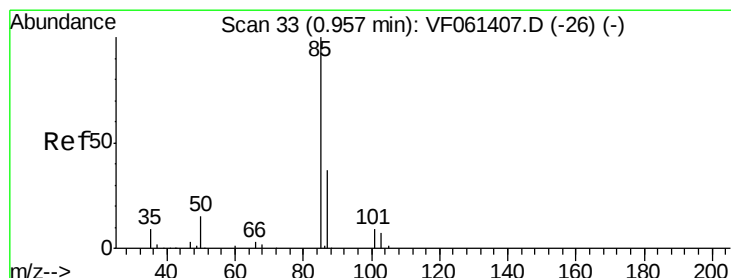
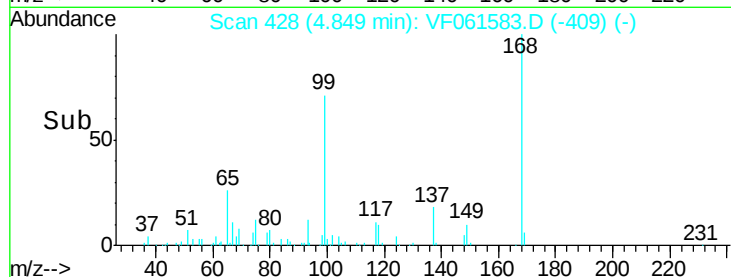
20000

10000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 17.746 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061583.D

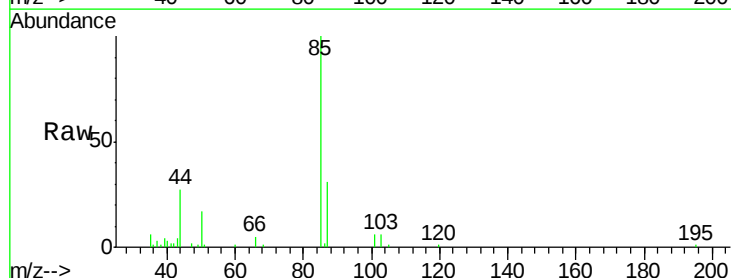
Acq: 11 Feb 2019 13:51

Tgt Ion: 85 Resp: 60410

Ion Ratio Lower Upper

85 100

87 31.4 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

15000

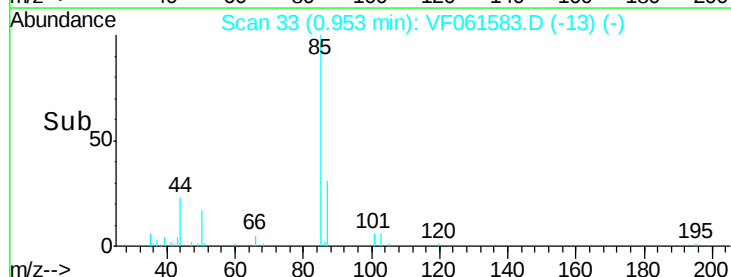
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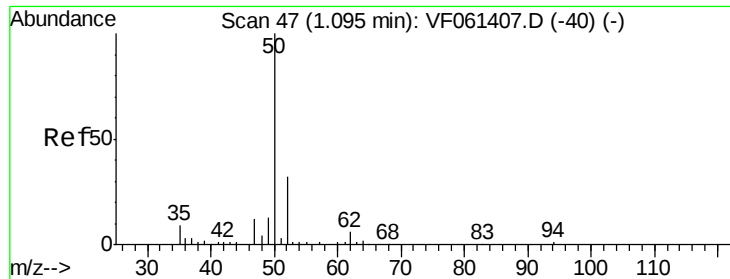
5000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 18.836 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

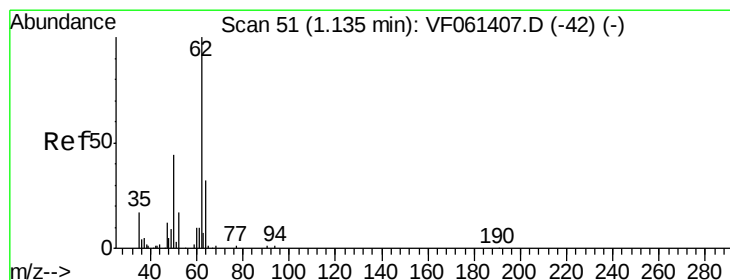
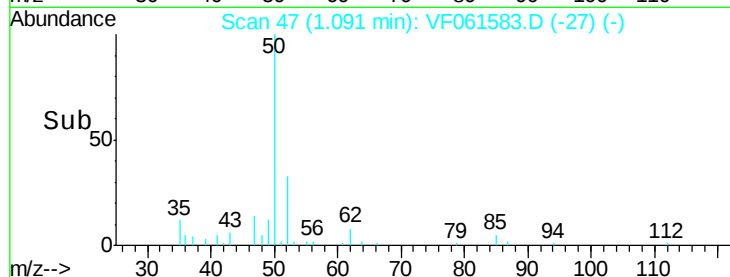
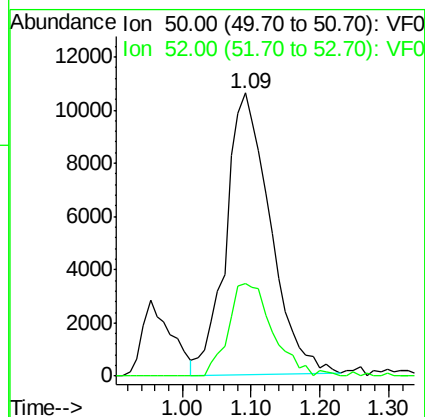
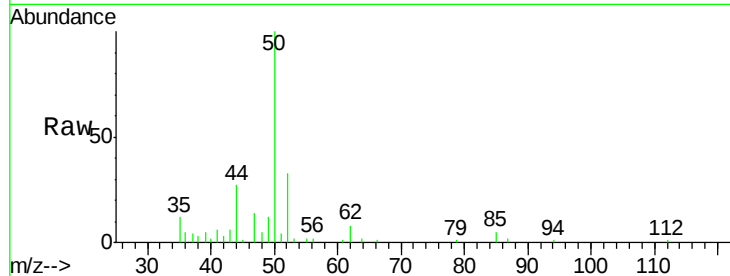
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 47015

Ion Ratio Lower Upper

50 100

52 32.6 24.6 36.8



#4

Vinyl Chloride

Concen: 19.945 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061583.D

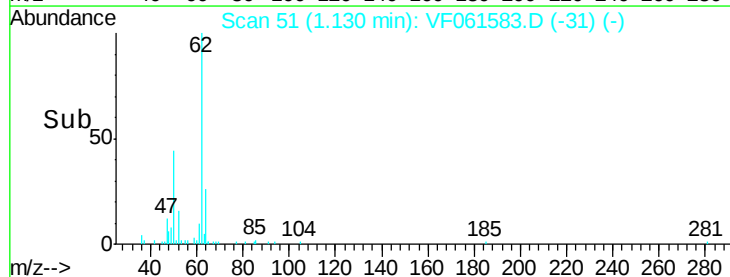
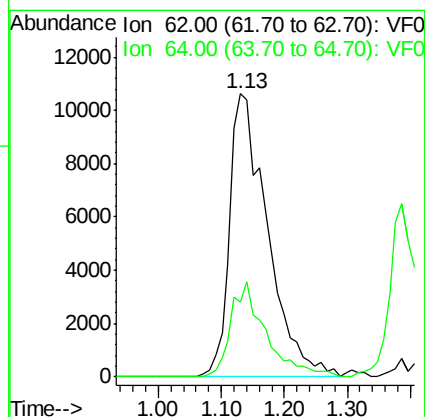
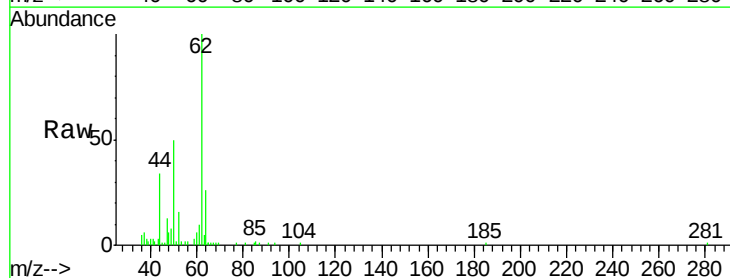
Acq: 11 Feb 2019 13:51

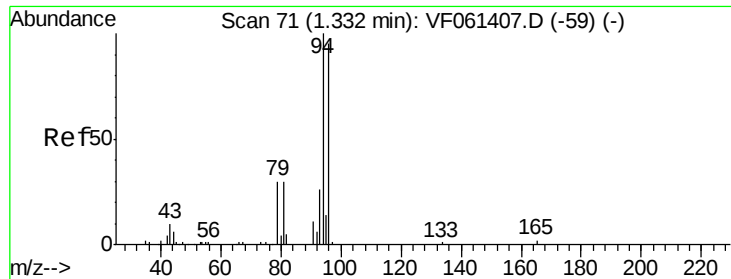
Tgt Ion: 62 Resp: 44286

Ion Ratio Lower Upper

62 100

64 26.2 25.6 38.4





#5

Bromomethane

Concen: 22.442 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

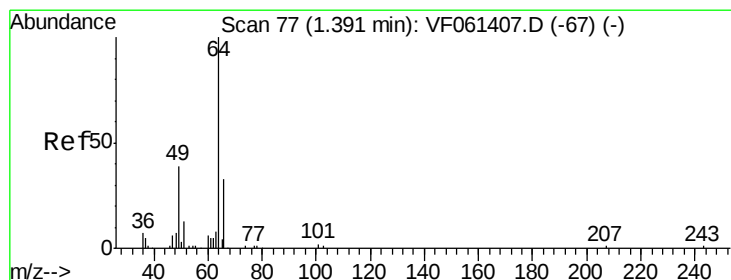
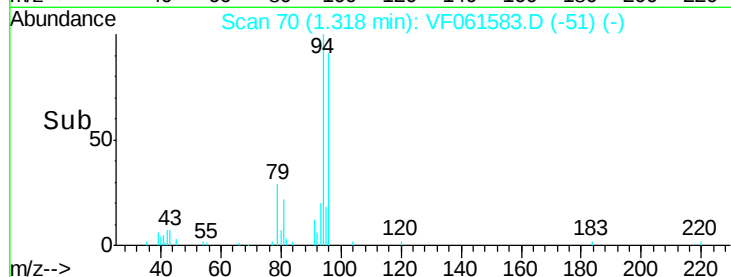
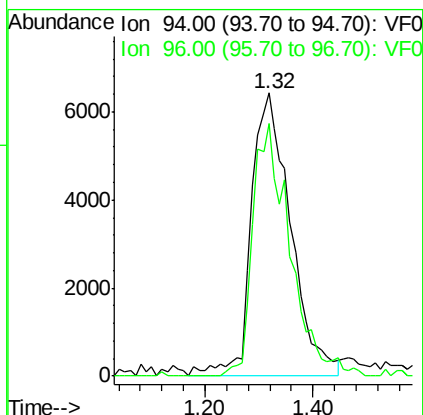
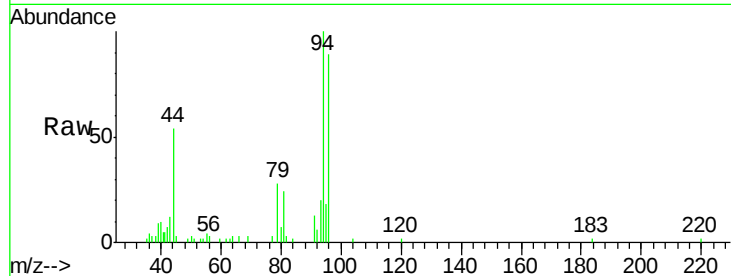
ClientSampleId :

Tot Ion: 94 Resp: 32494

Ion Ratio Lower Upper

94 100

96 89.0 76.0 114.0



#6

Chloroethane

Concen: 20.371 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061583.D

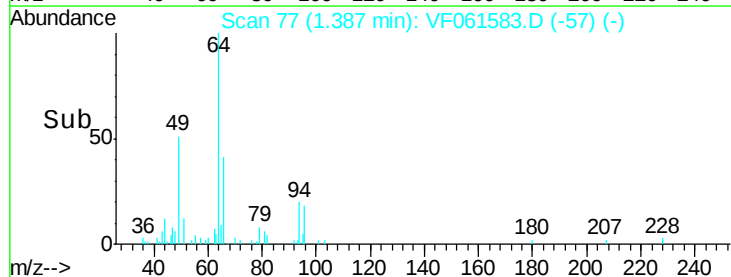
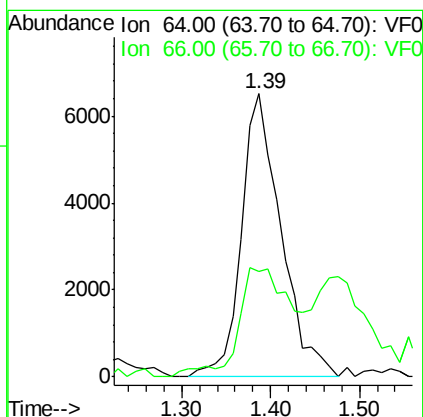
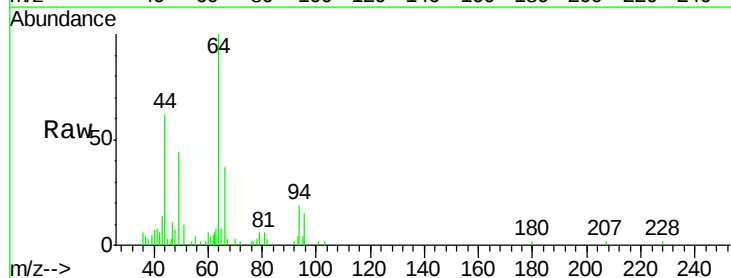
Acq: 11 Feb 2019 13:51

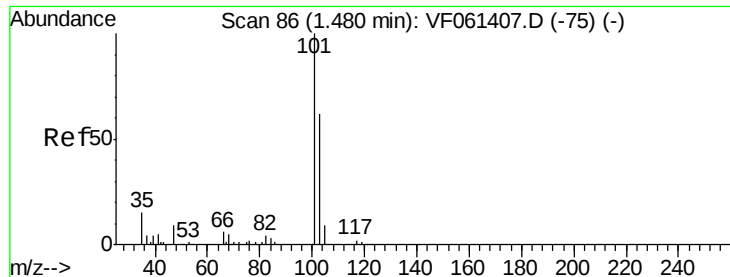
Tgt Ion: 64 Resp: 20042

Ion Ratio Lower Upper

64 100

66 37.3 26.6 40.0



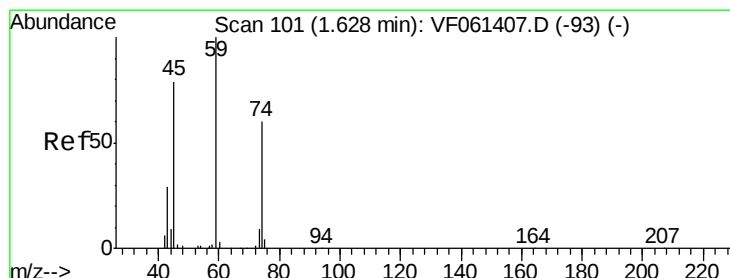
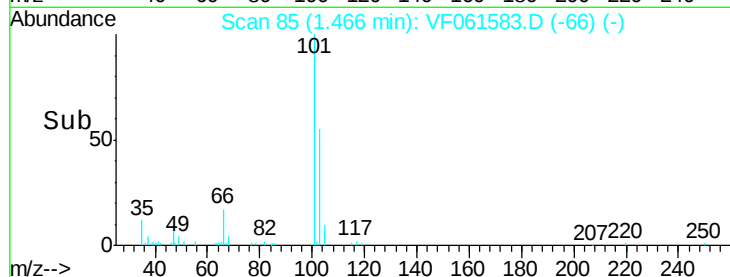
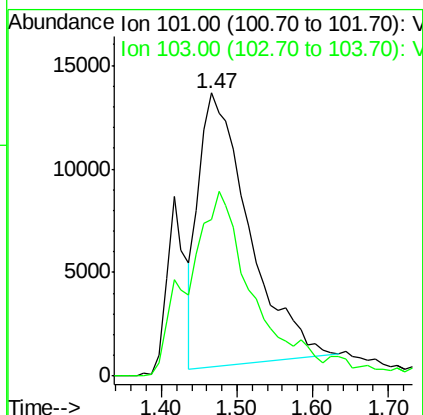
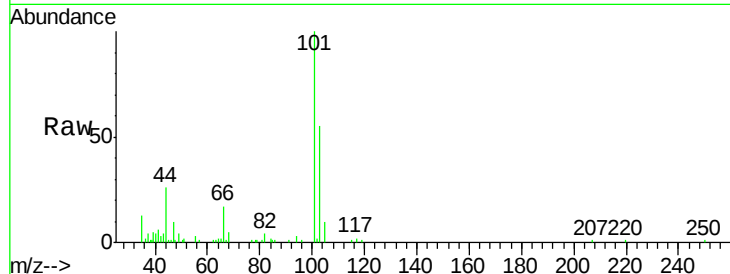


#7

Trichlorofluoromethane
 Concen: 14.120 ug/l
 RT: 1.47 min Scan# 85
 Delta R.T. -0.01 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Instrument :
 MSVOA_F
 ClientSampleId :

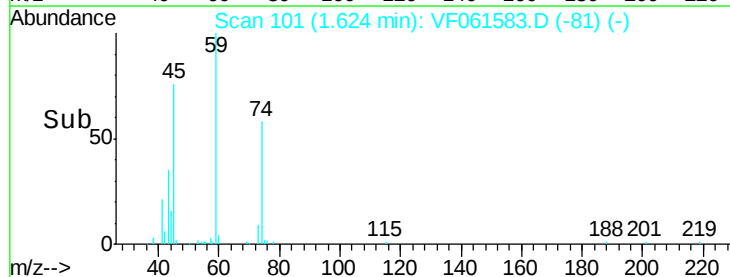
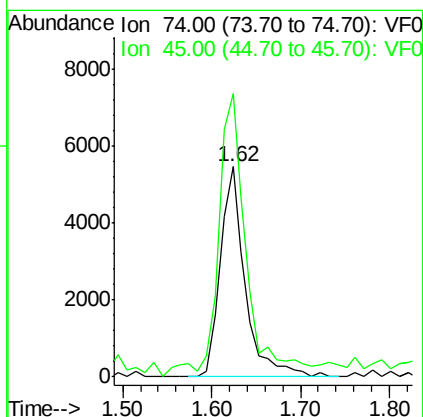
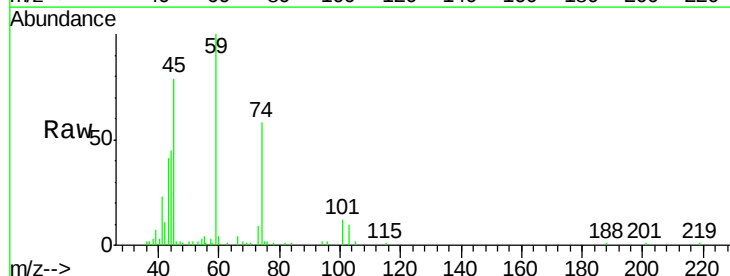
Tot Ion:101 Resp: 60948
 Ion Ratio Lower Upper
 101 100
 103 55.5 49.7 74.5



#8

Diethyl Ether
 Concen: 19.261 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Tgt Ion: 74 Resp: 10653
 Ion Ratio Lower Upper
 74 100
 45 134.8 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.836 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

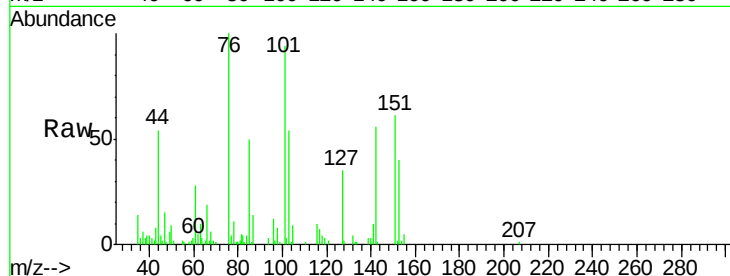
Tot Ion:101 Resp: 41142

Ion Ratio Lower Upper

101 100

85 53.9 41.9 62.9

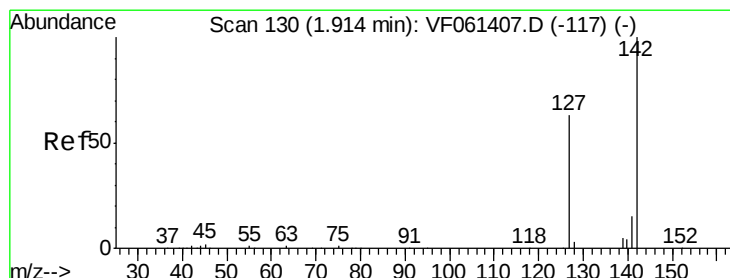
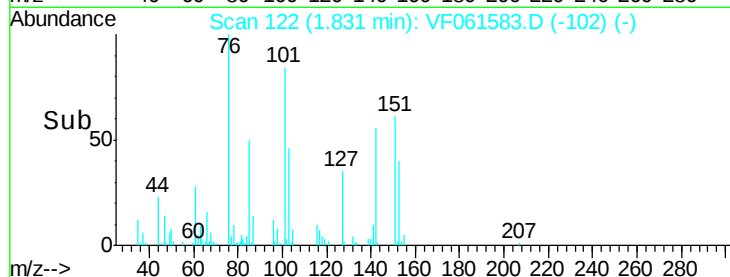
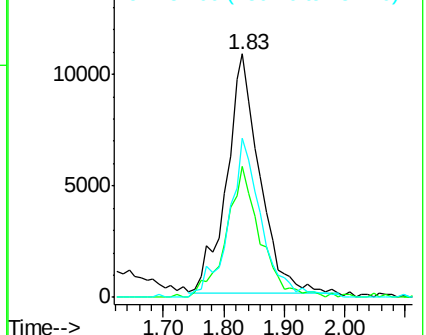
151 65.4 55.1 82.7



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: 14.860 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

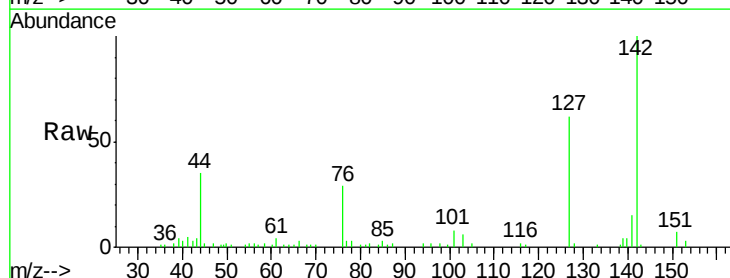
Tgt Ion:142 Resp: 47782

Ion Ratio Lower Upper

142 100

127 62.4 50.7 76.1

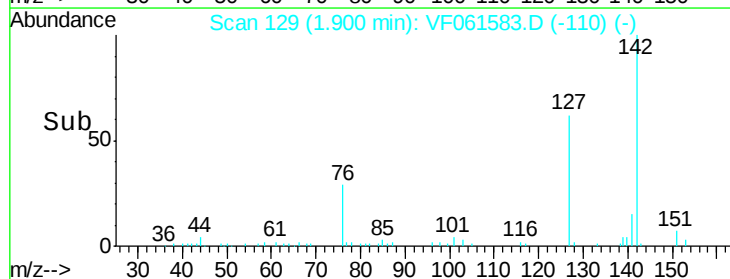
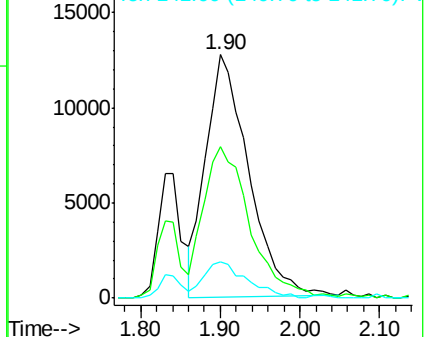
141 14.8 11.8 17.6

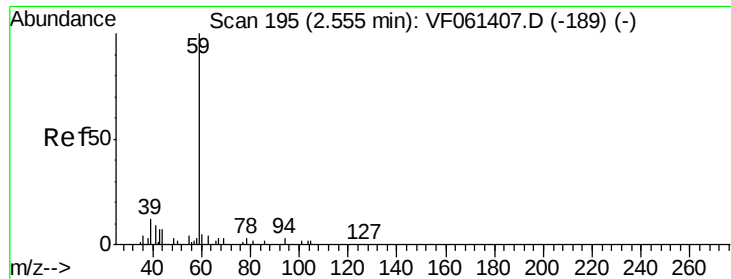


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

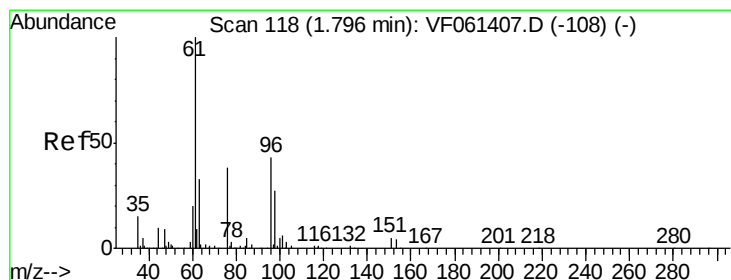
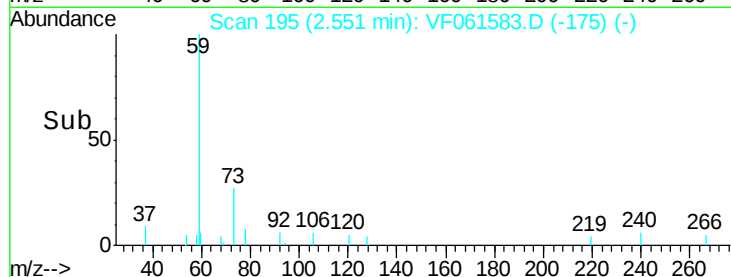
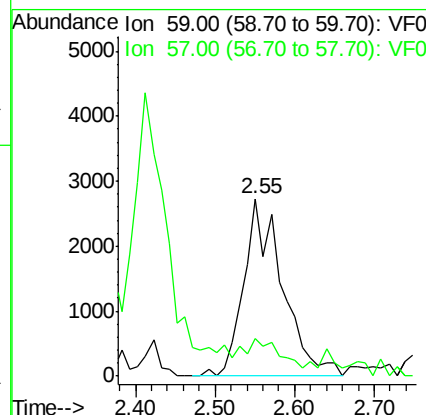
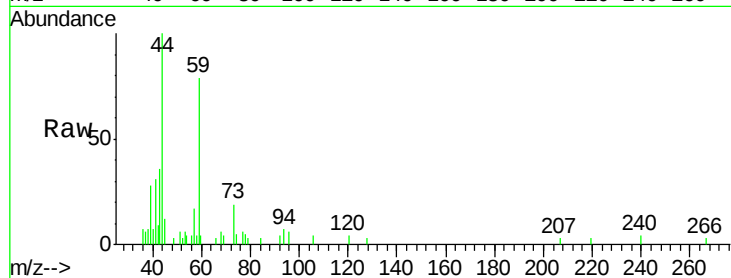




#11
Tert butyl alcohol
Concen: 100.662 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

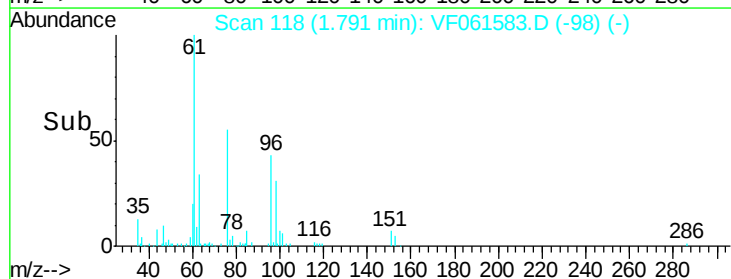
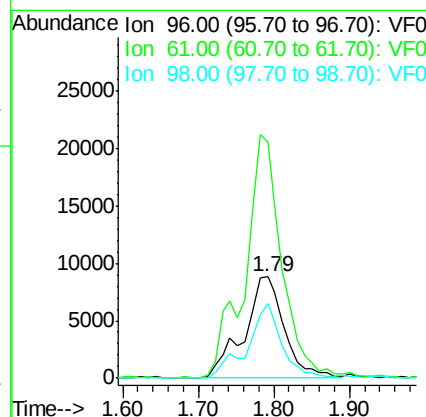
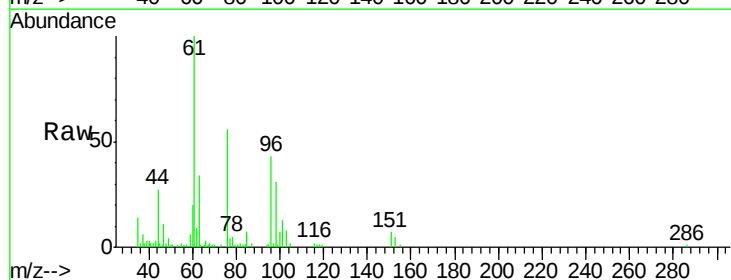
Instrument :
MSVOA_F
ClientSampleId :

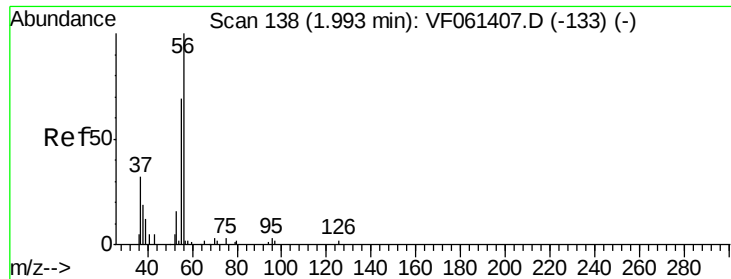
Tot Ion: 59 Resp: 9114
Ion Ratio Lower Upper
59 100
57 21.0 11.9 17.9#



#12
1,1-Dichloroethene
Concen: 21.447 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion: 96 Resp: 33048
Ion Ratio Lower Upper
96 100
61 233.5 186.9 280.3
98 73.5 53.0 79.4





#13

Acrolein

Concen: 57.454 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

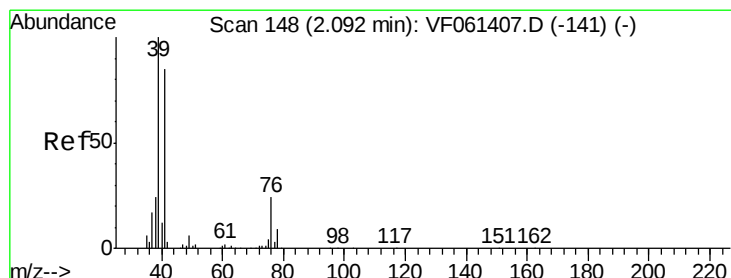
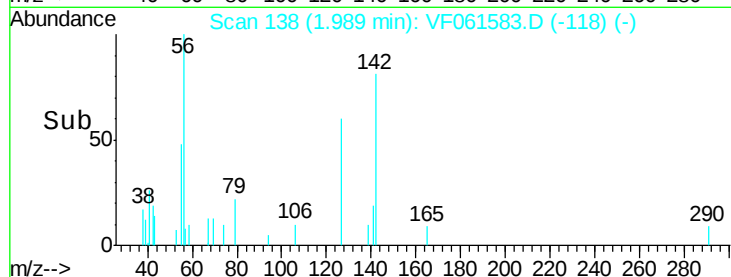
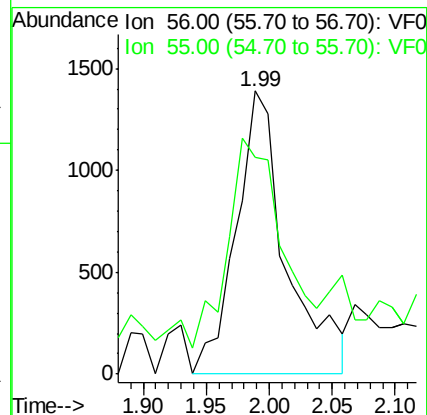
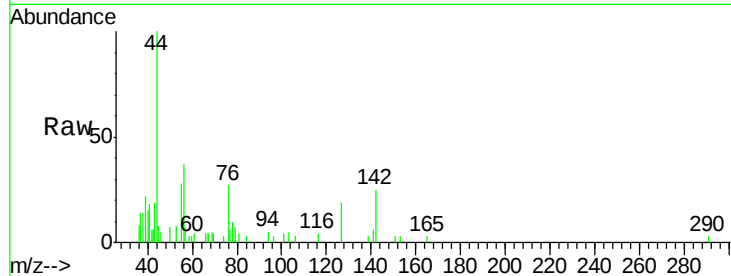
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 3833

Ion Ratio Lower Upper

56 100

55 76.7 57.5 86.3



#14

Allyl chloride

Concen: 27.126 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

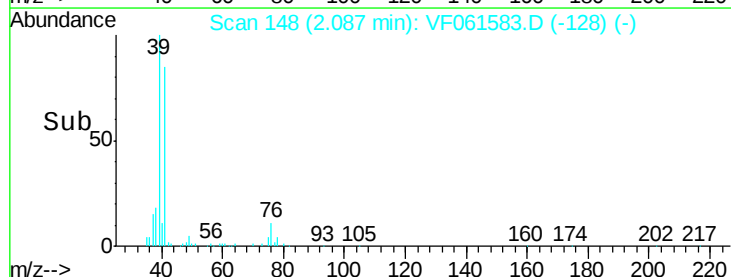
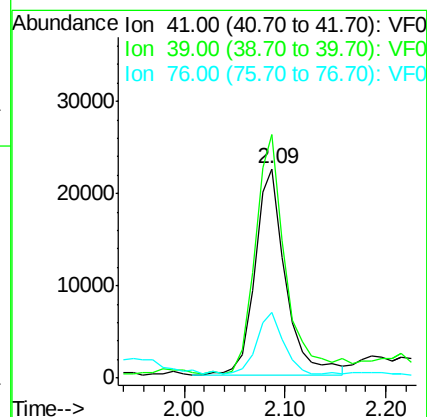
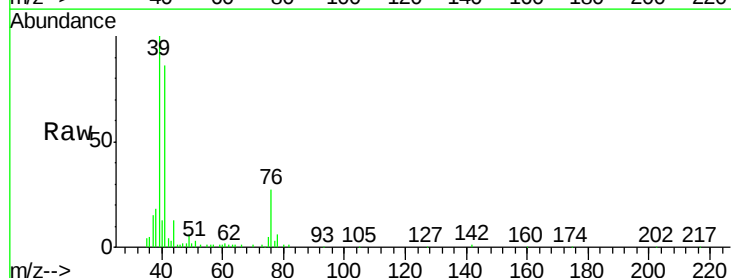
Tgt Ion: 41 Resp: 47767

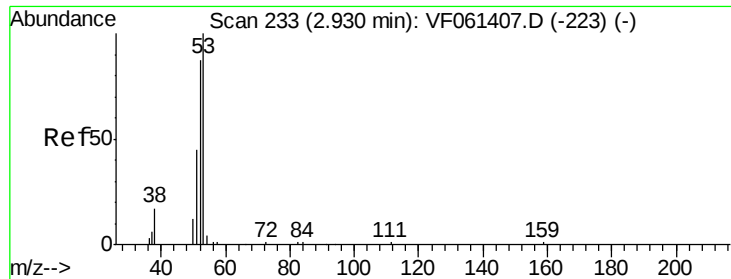
Ion Ratio Lower Upper

41 100

39 116.4 94.6 141.8

76 31.3 25.9 38.9





#15

Acrylonitrile

Concen: 102.833 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

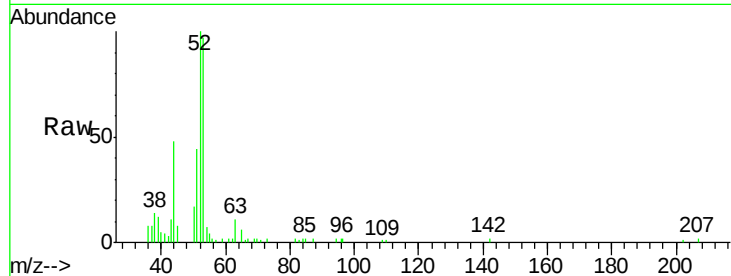
Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 23849

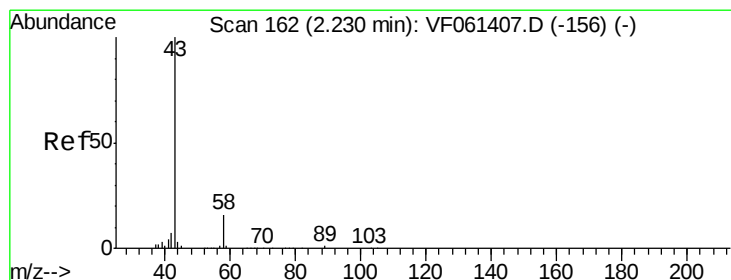
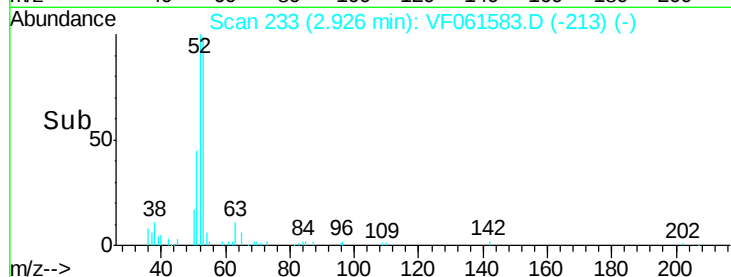
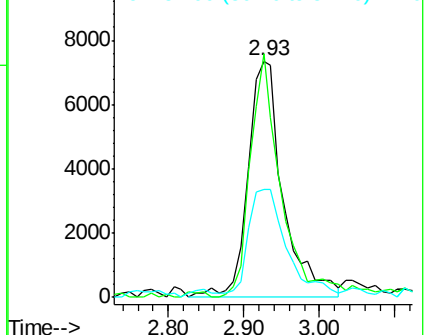
Ion	Ratio	Lower	Upper
53	100		
52	102.9	69.6	104.4
51	45.7	36.8	55.2



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: 130.744 ug/l

RT: 2.23 min Scan# 162

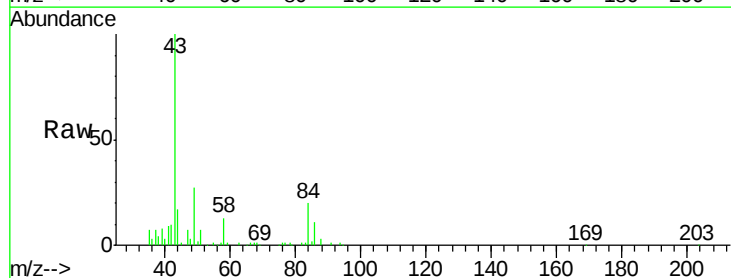
Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

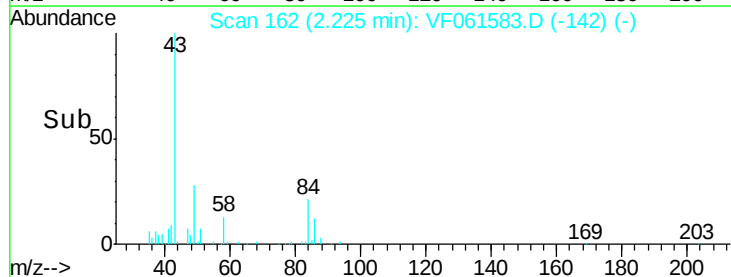
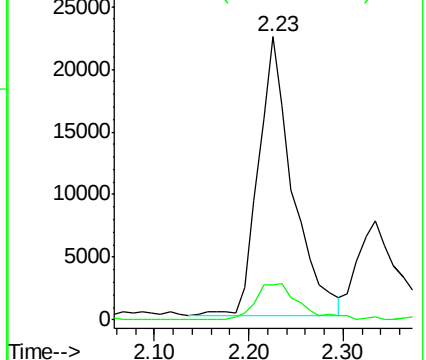
Tgt Ion: 43 Resp: 56104

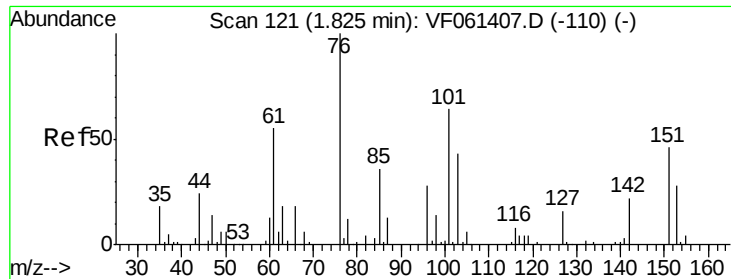
Ion	Ratio	Lower	Upper
43	100		
58	12.5	13.3	19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 13.919 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

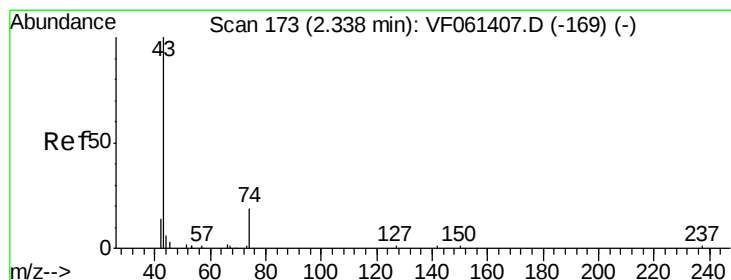
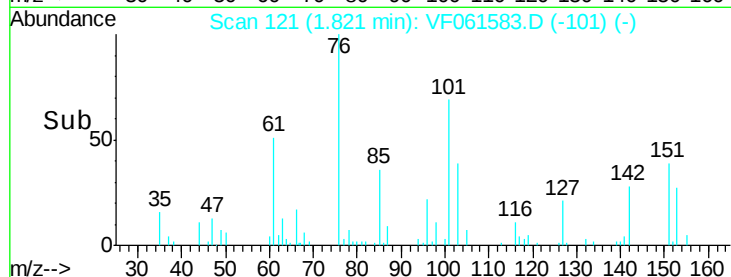
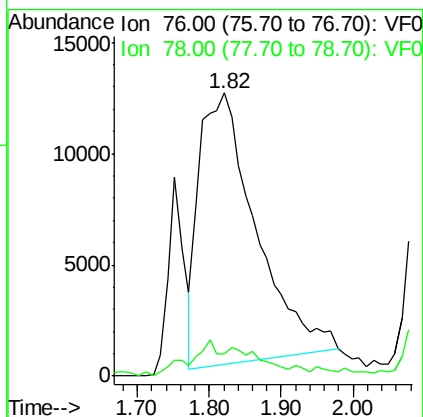
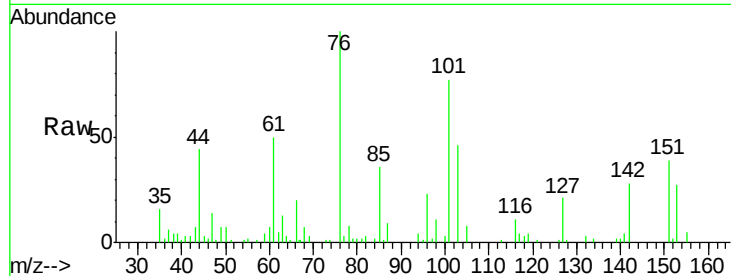
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 66876

Ion Ratio Lower Upper

76 100

78 8.0 9.6 14.4#



#18

Methyl Acetate

Concen: 20.552 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF061583.D

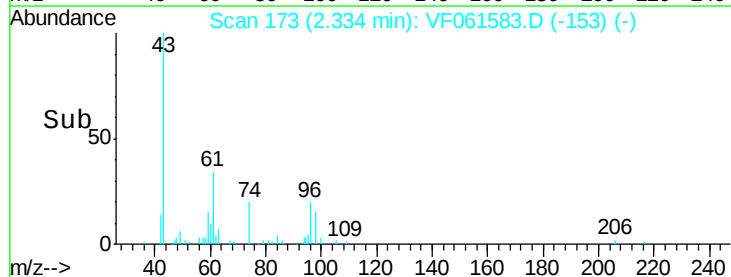
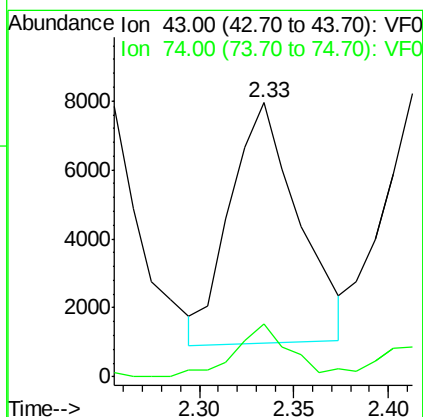
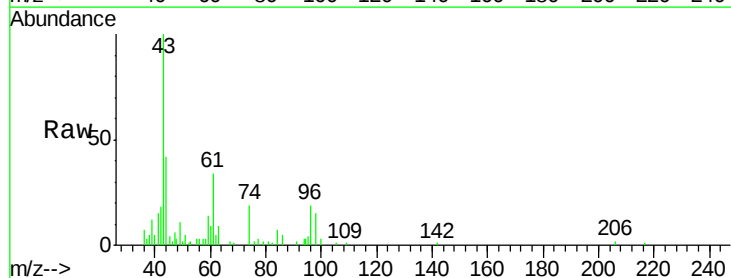
Acq: 11 Feb 2019 13:51

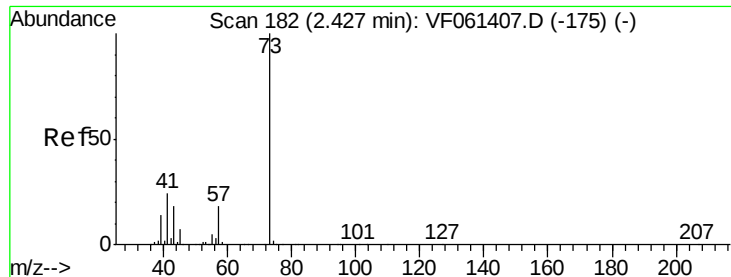
Tgt Ion: 43 Resp: 17490

Ion Ratio Lower Upper

43 100

74 19.5 13.4 20.0



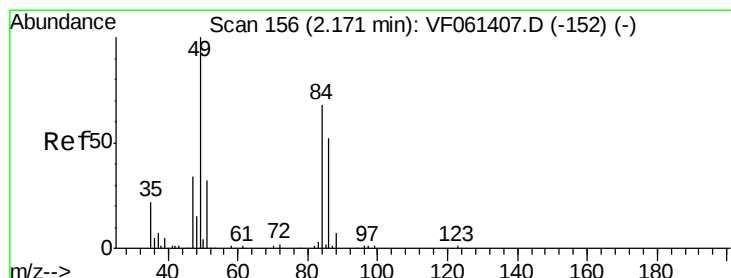
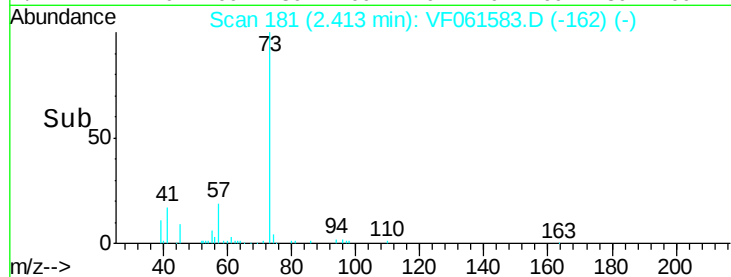
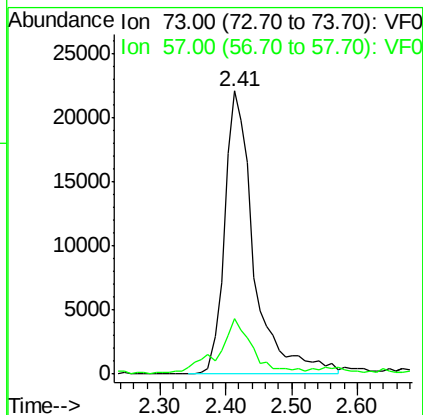
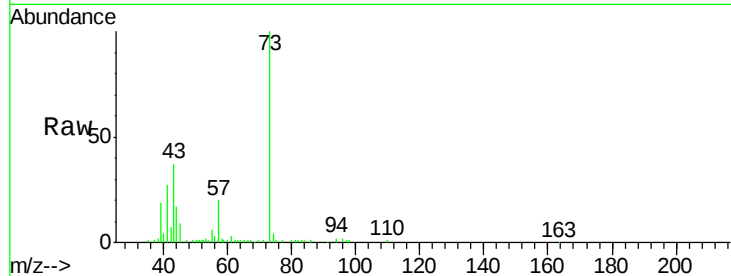


#19

Methyl tert-butyl Ether
 Concen: 19.952 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.01 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Instrument :
 MSVOA_F
 ClientSampleId :

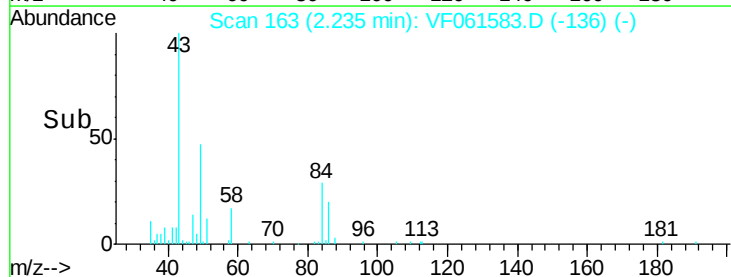
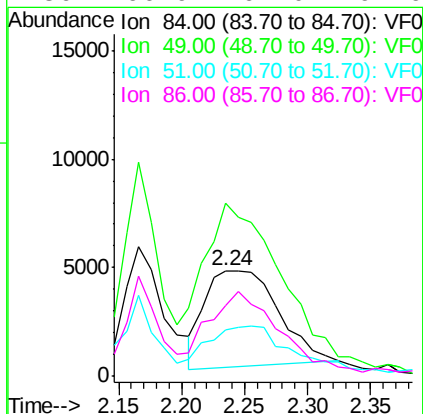
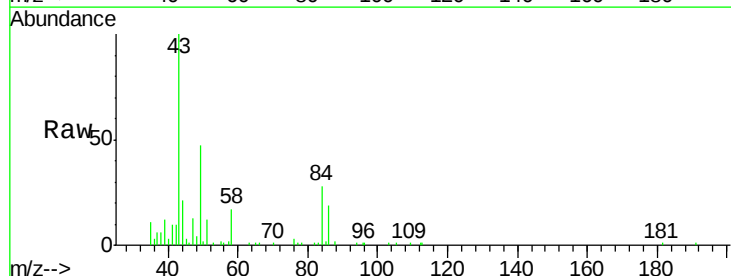
Tot Ion: 73 Resp: 68918
 Ion Ratio Lower Upper
 73 100
 57 19.7 14.8 22.2

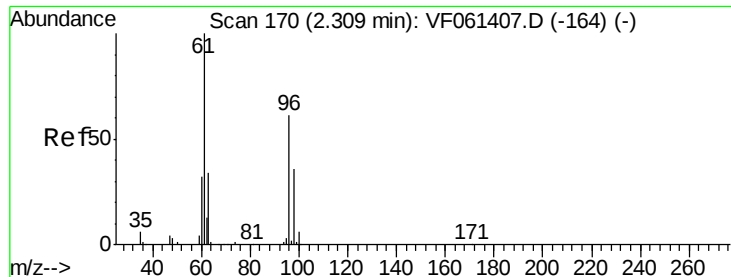


#20

Methylene Chloride
 Concen: 10.851 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. 0.07 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Tgt Ion: 84 Resp: 17810
 Ion Ratio Lower Upper
 84 100
 49 164.0 120.0 180.0
 51 43.5 38.6 58.0
 86 66.9 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 19.796 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

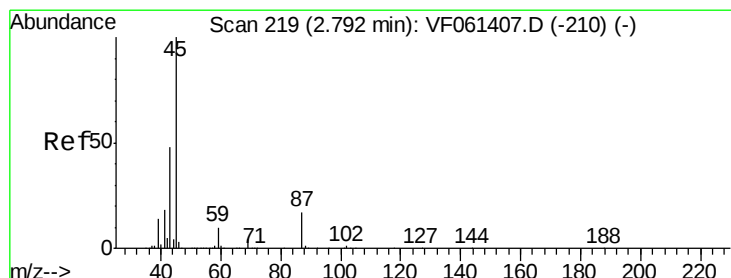
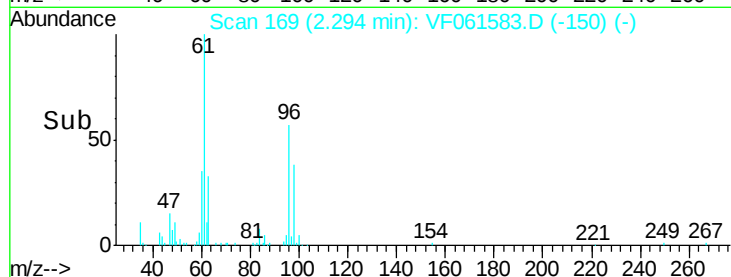
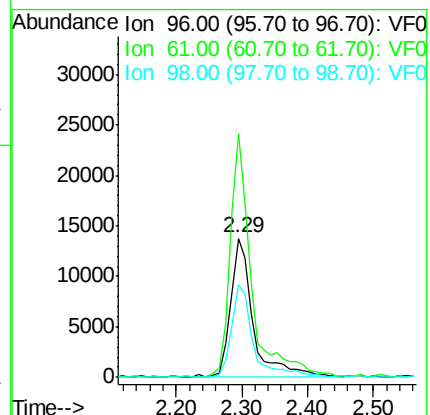
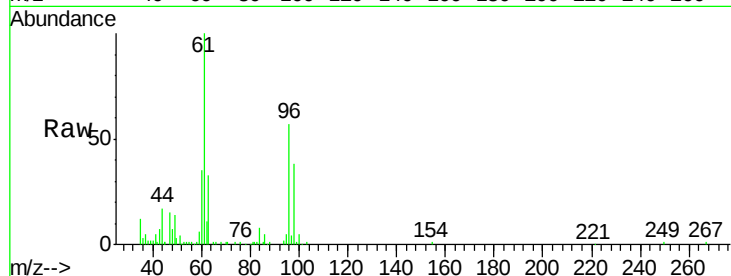
Tot Ion: 96 Resp: 33561

Ion Ratio Lower Upper

96 100

61 175.0 131.8 197.8

98 66.5 47.4 71.0



#22

Diisopropyl ether

Concen: 21.316 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Tgt Ion: 45 Resp: 116888

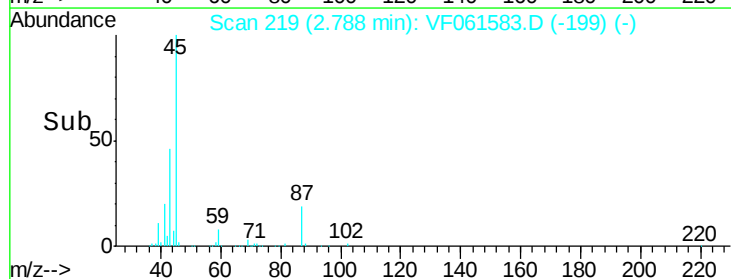
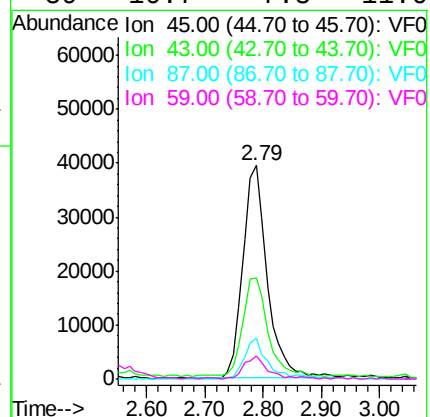
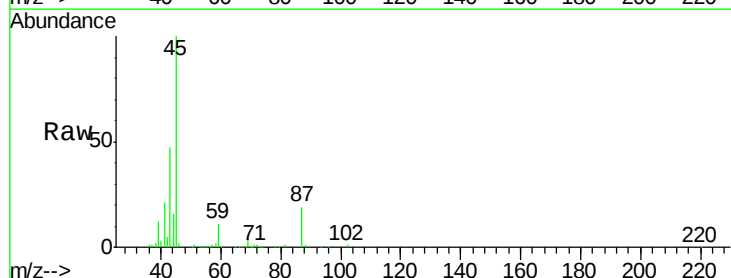
Ion Ratio Lower Upper

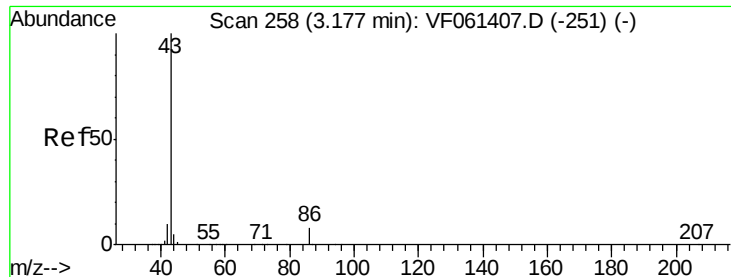
45 100

43 47.3 39.0 58.6

87 18.9 13.9 20.9

59 10.7 7.8 11.6





#23

Vinyl Acetate

Concen: 112.595 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

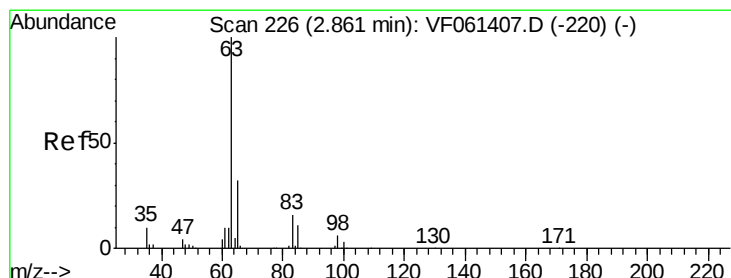
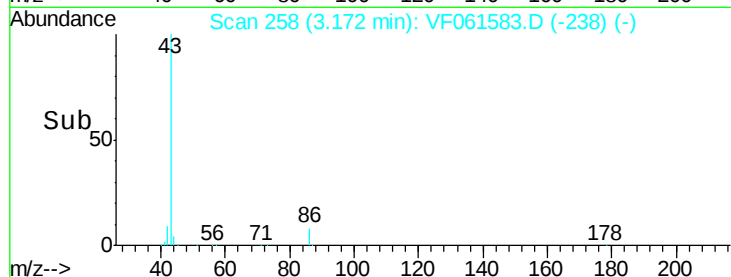
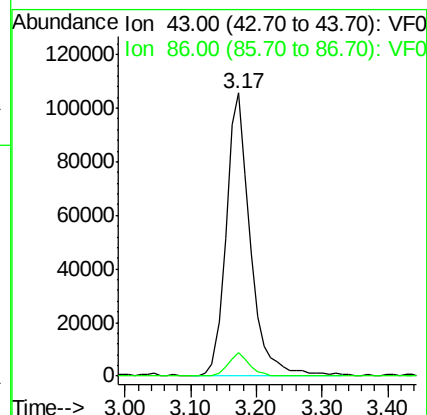
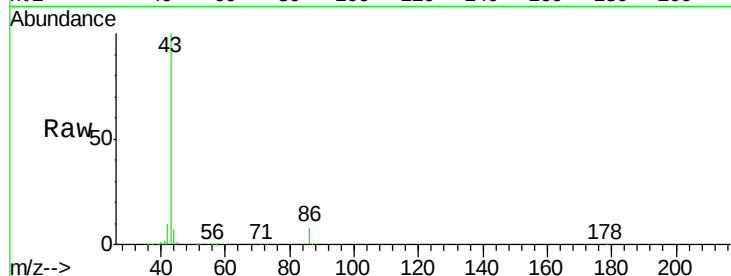
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 267282

Ion Ratio Lower Upper

43 100

86 8.1 6.2 9.4



#24

1,1-Dichloroethane

Concen: 21.145 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

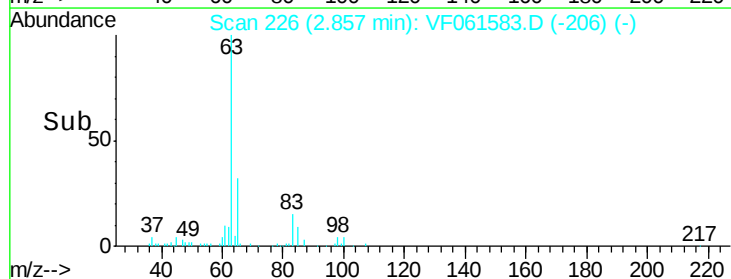
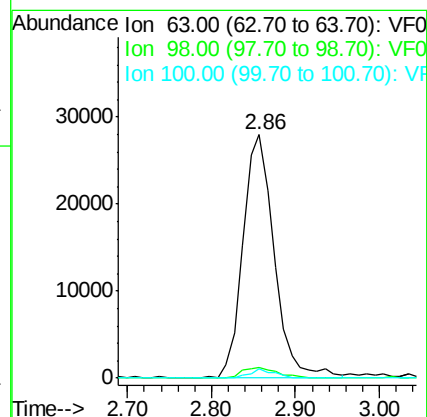
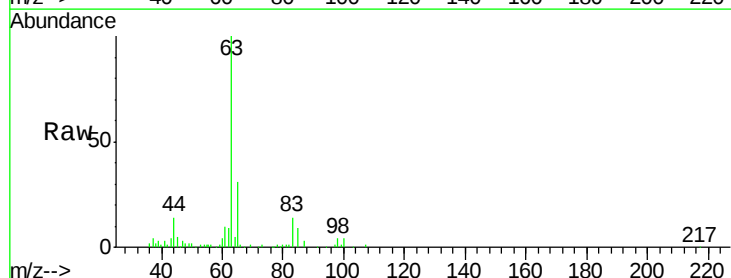
Tgt Ion: 63 Resp: 72772

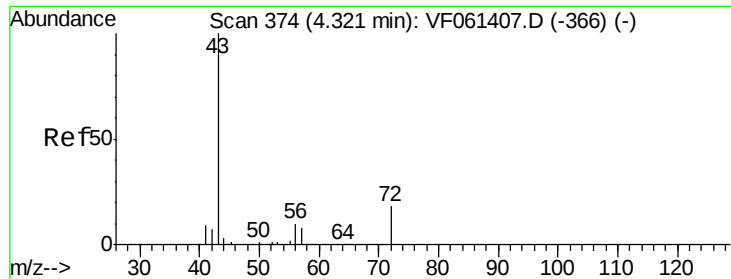
Ion Ratio Lower Upper

63 100

98 4.4 2.9 8.8

100 4.0 1.6 4.8





#25

2-Butanone

Concen: 114.318 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

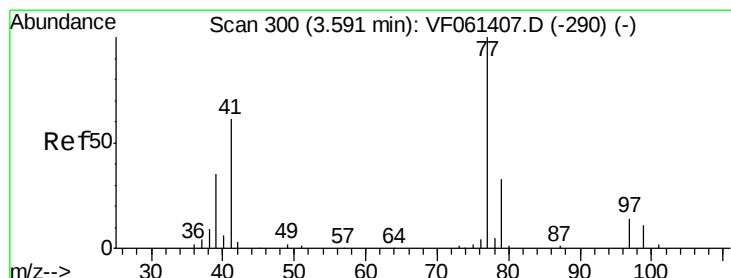
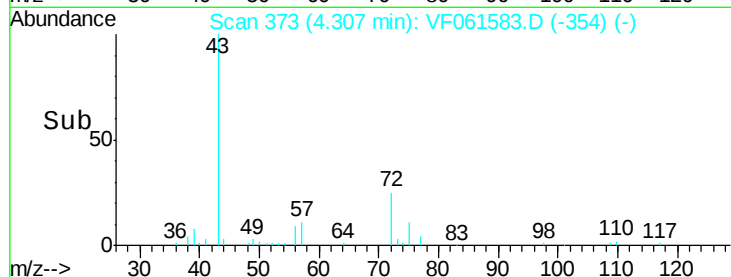
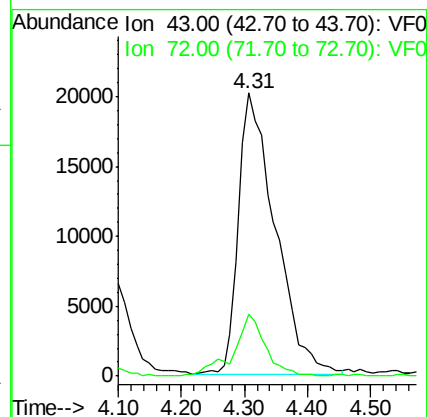
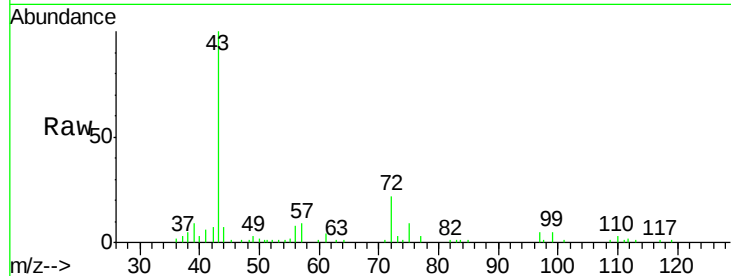
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 81577

Ion Ratio Lower Upper

43 100

72 22.0 15.8 23.6



#26

2,2-Dichloropropane

Concen: 19.876 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061583.D

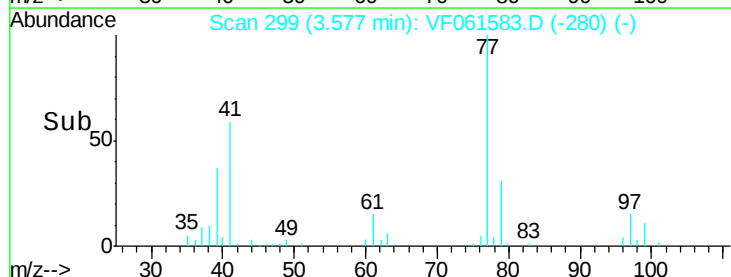
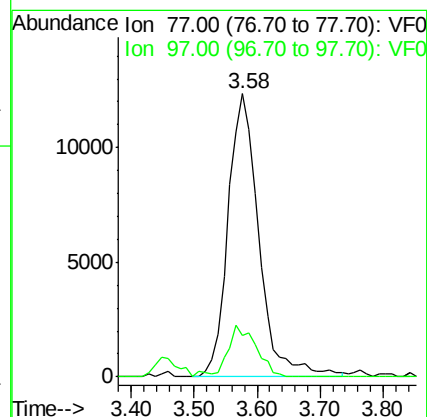
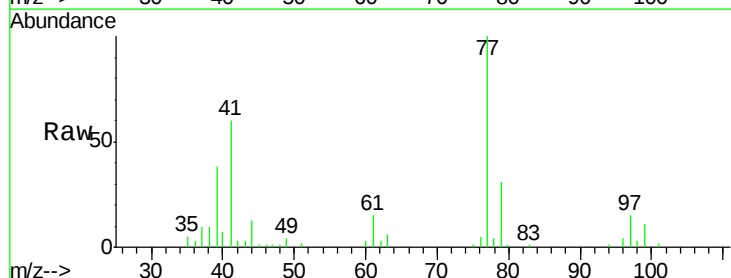
Acq: 11 Feb 2019 13:51

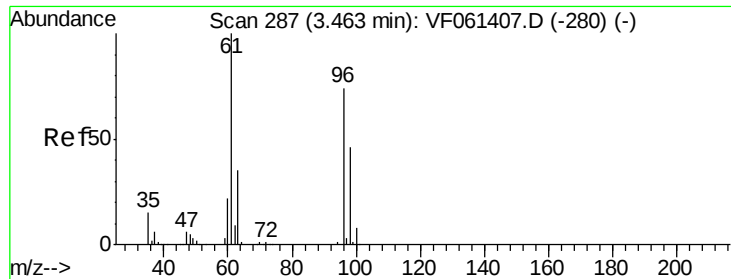
Tgt Ion: 77 Resp: 42027

Ion Ratio Lower Upper

77 100

97 14.5 8.5 25.5



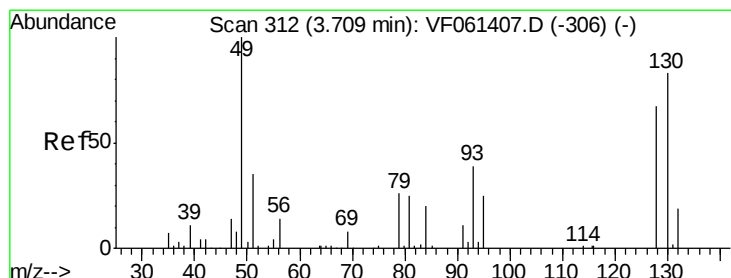
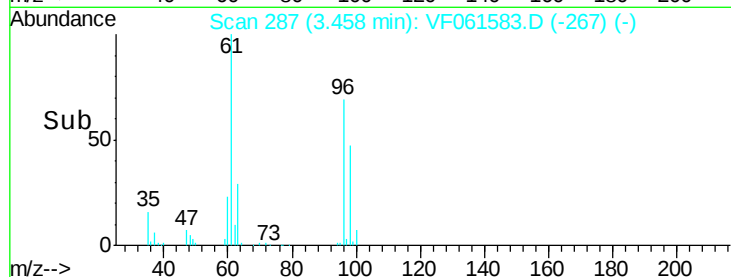
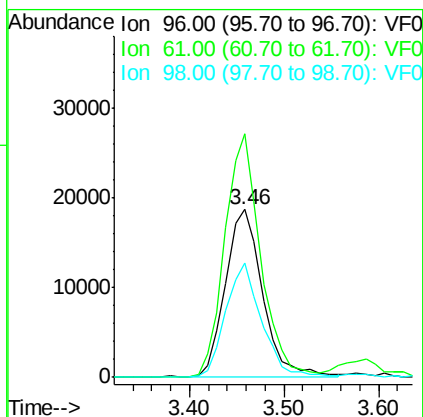
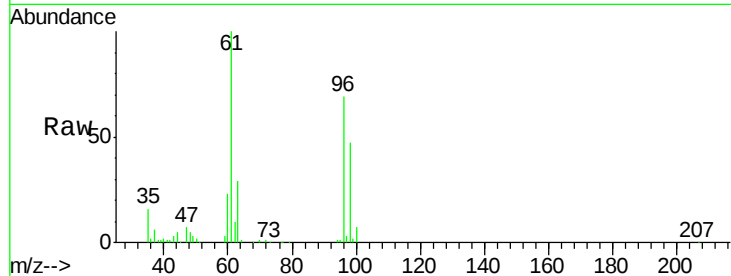


#27

cis-1,2-Dichloroethene
Concen: 20.563 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

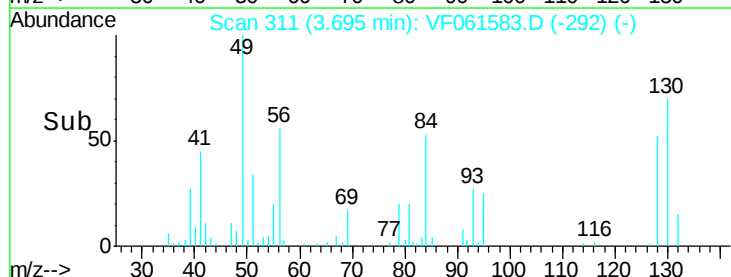
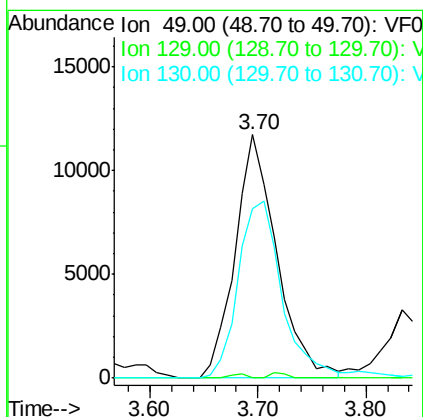
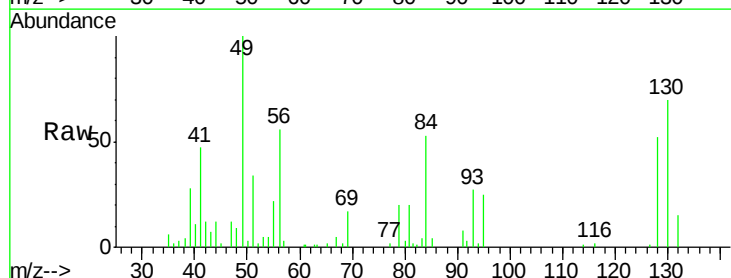
Tot Ion: 96 Resp: 51460
Ion Ratio Lower Upper
96 100
61 145.2 0.0 270.2
98 67.9 0.0 124.0

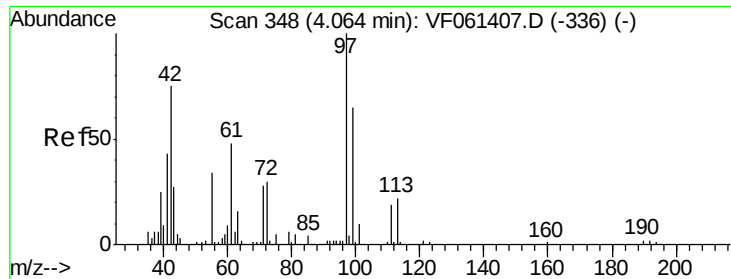


#28

Bromochloromethane
Concen: 20.329 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion: 49 Resp: 31450
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 69.6 65.4 98.2





#29

Tetrahydrofuran

Concen: 105.338 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

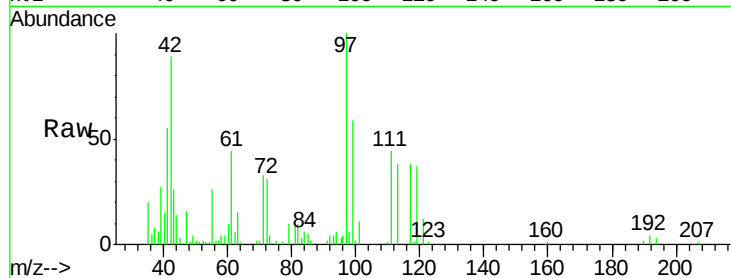
Tot Ion: 42 Resp: 32367

Ion Ratio Lower Upper

42 100

72 34.5 28.9 43.3

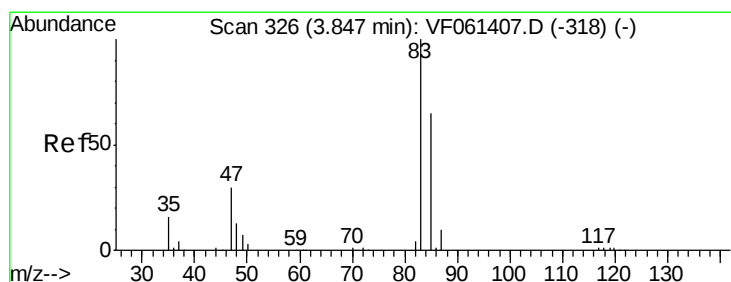
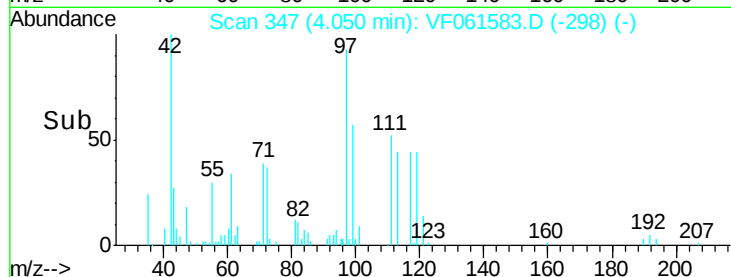
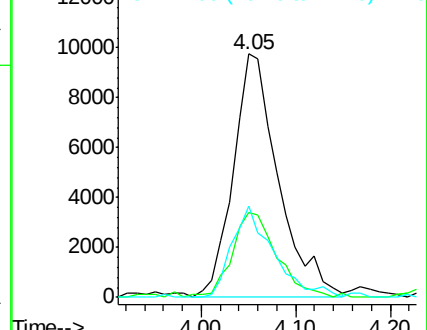
71 34.2 29.6 44.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 20.874 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF061583.D

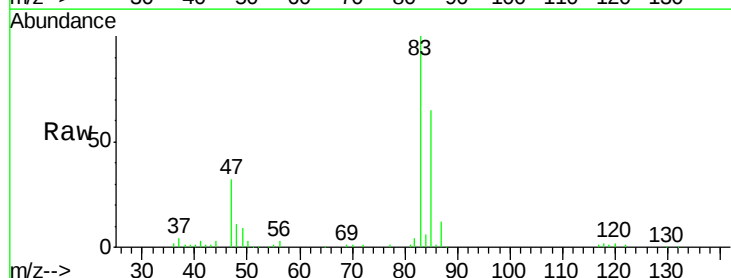
Acq: 11 Feb 2019 13:51

Tgt Ion: 83 Resp: 96952

Ion Ratio Lower Upper

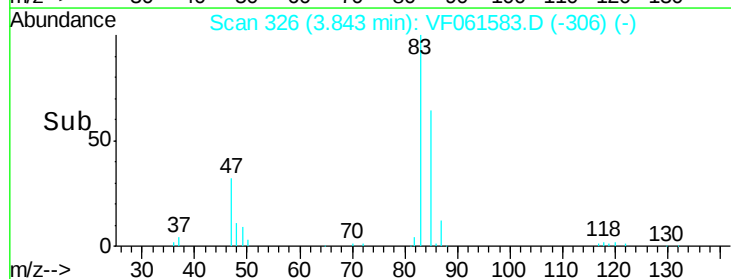
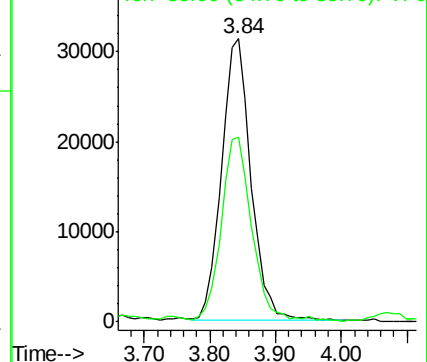
83 100

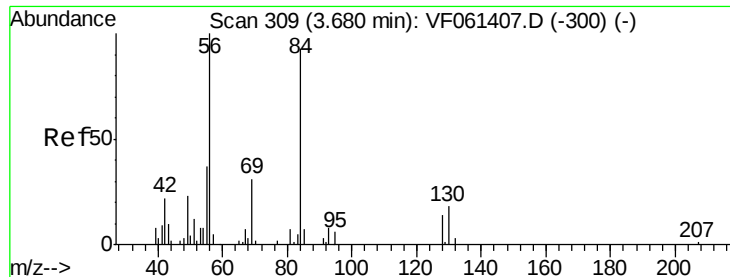
85 65.5 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cvclohexane

Concen: 11.484 ug/l

RT: 3.67 min Scan# 308

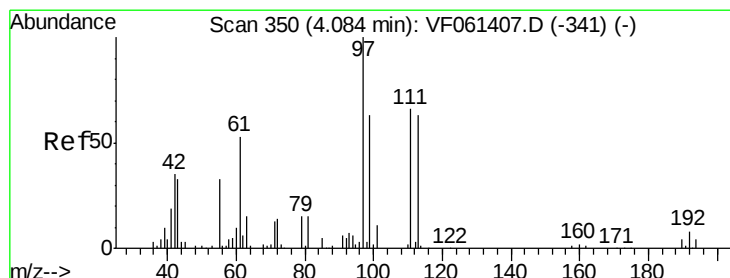
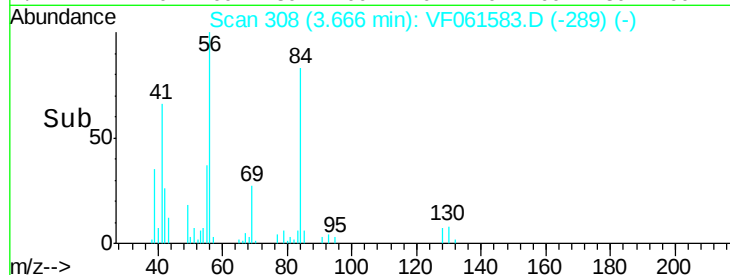
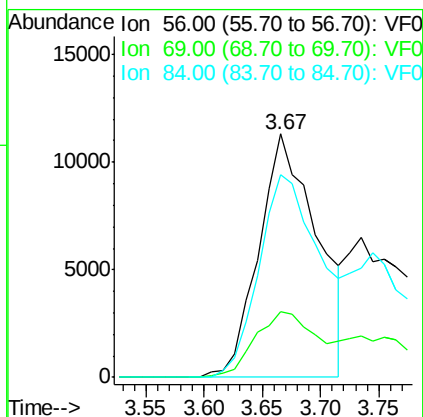
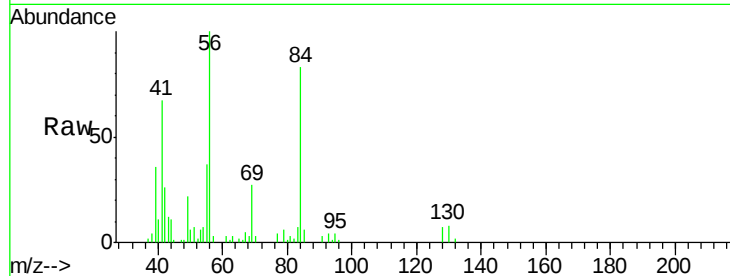
Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	56	Resp:	39481
Ion	Ratio	Lower	Upper
56	100		
69	26.9	24.6	36.8
84	83.3	74.2	111.2



#32

1,1,1-Trichloroethane

Concen: 17.617 ug/l

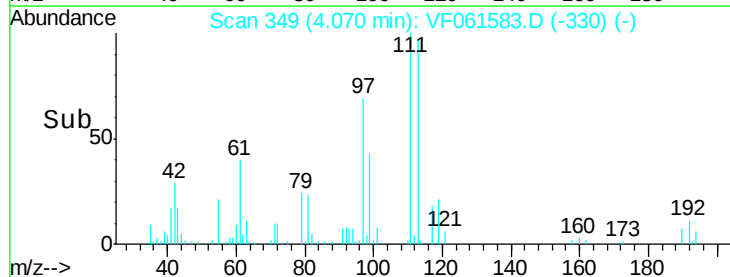
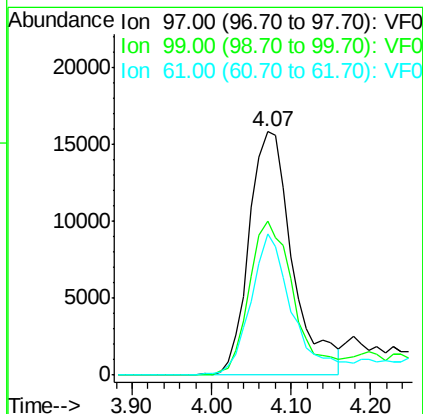
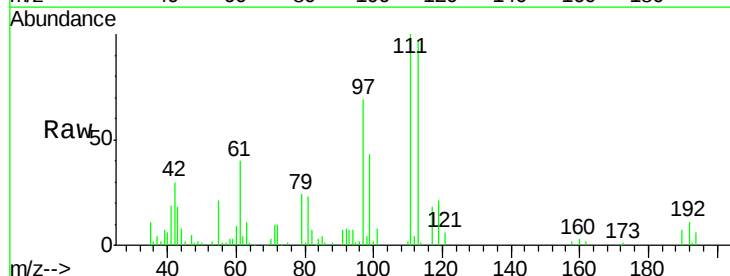
RT: 4.07 min Scan# 349

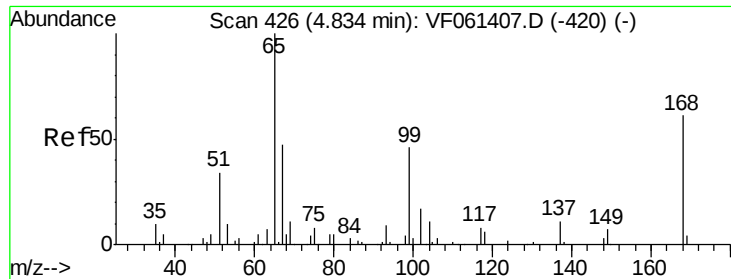
Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Tgt Ion:	97	Resp:	59996
Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.1	75.1
61	57.8	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 51.063 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

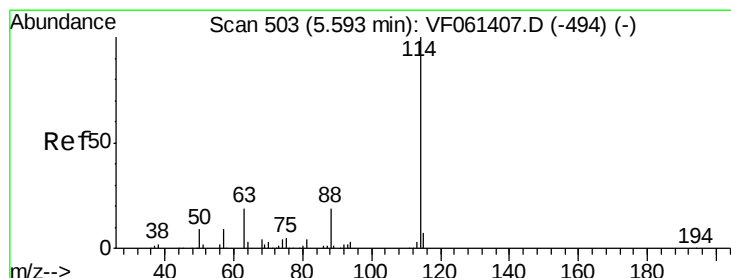
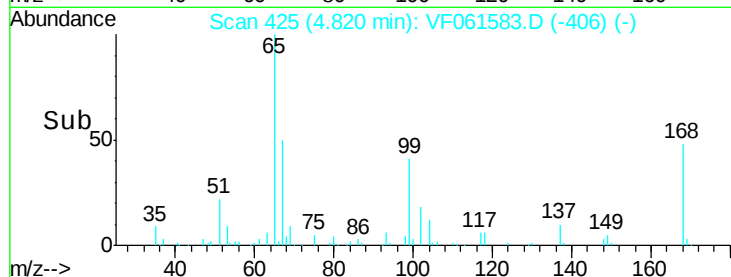
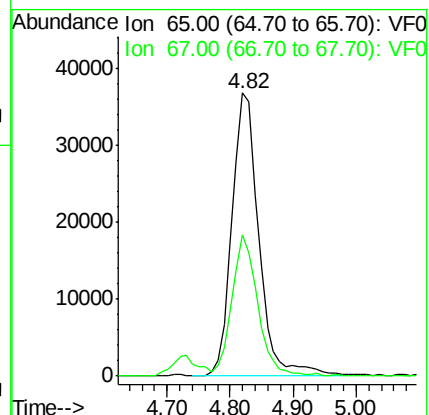
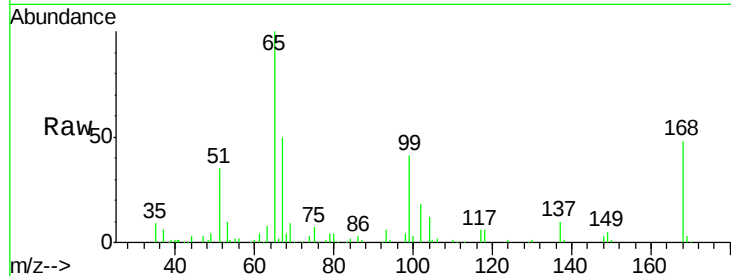
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 109224

Ion Ratio Lower Upper

65 100

67 50.0 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

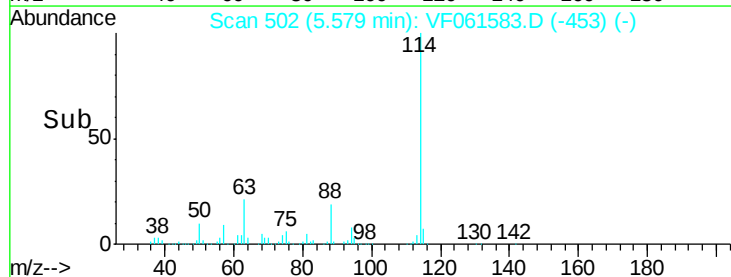
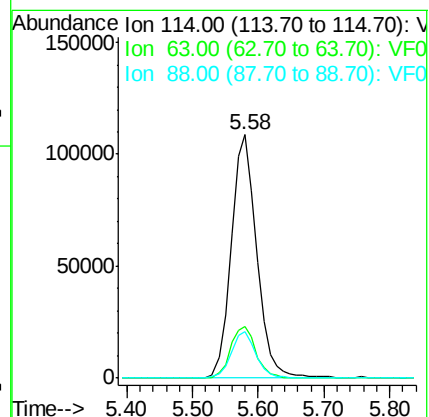
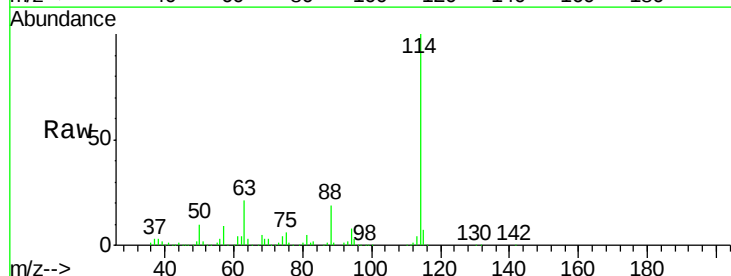
Tgt Ion: 114 Resp: 295846

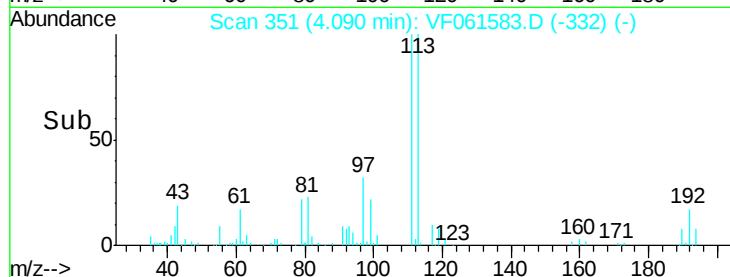
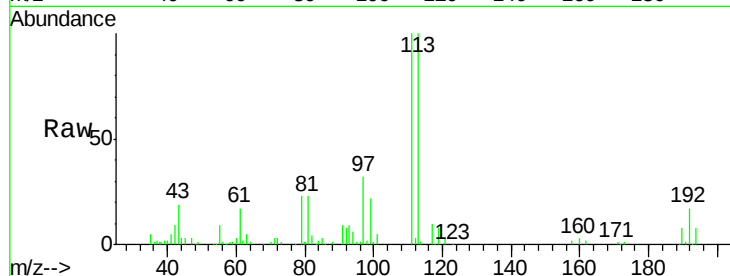
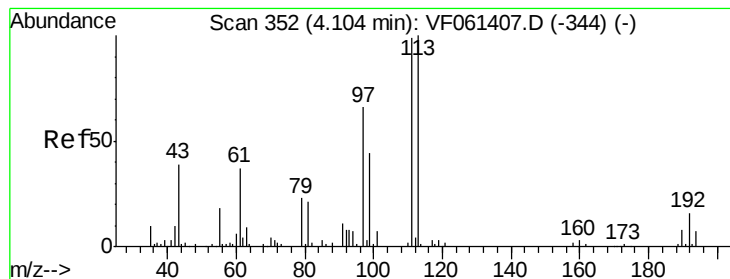
Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.0

88 19.0 0.0 37.4





#35

Dibromofluoromethane

Concen: 52.875 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampled :

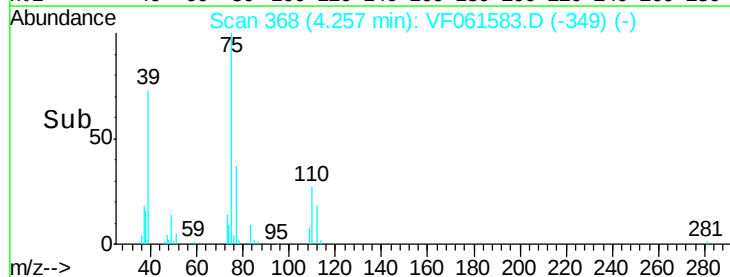
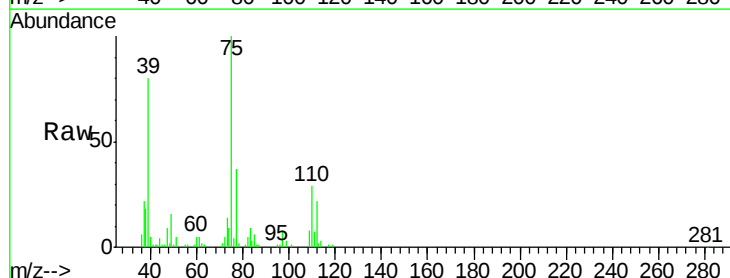
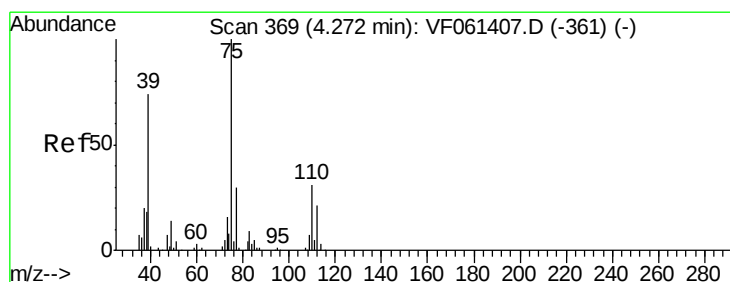
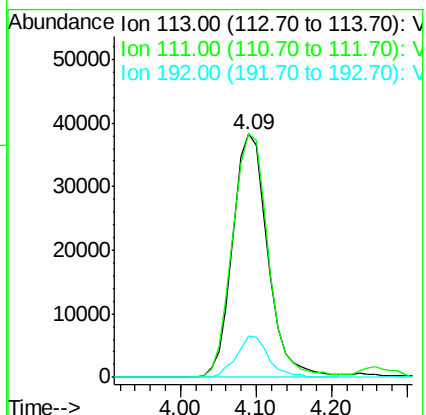
Tot Ion:113 Resp: 123435

Ion Ratio Lower Upper

113 100

111 100.1 79.4 119.0

192 17.3 12.4 18.6



#36

1,1-Dichloropropene

Concen: 19.563 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

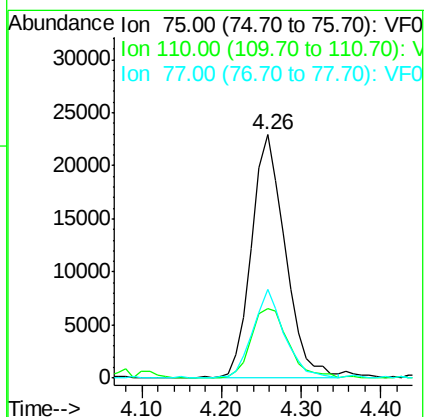
Tgt Ion: 75 Resp: 67106

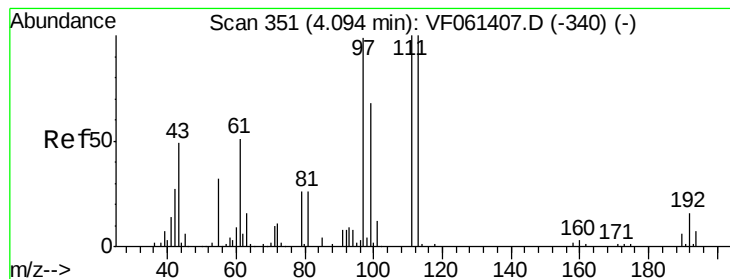
Ion Ratio Lower Upper

75 100

110 28.5 15.8 47.3

77 36.7 24.0 36.0#





#37

Ethyl Acetate

Concen: 21.319 ug/l

RT: 4.09 min Scan# 351

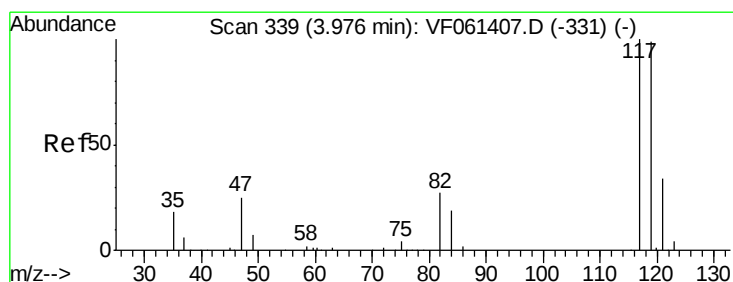
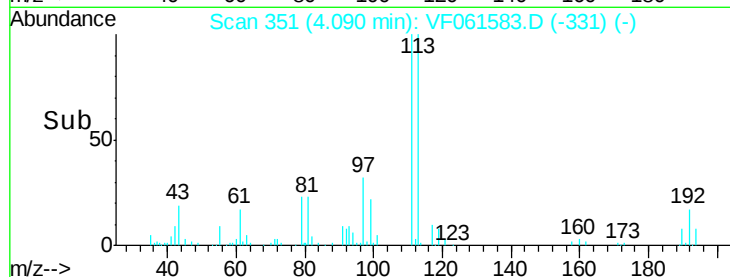
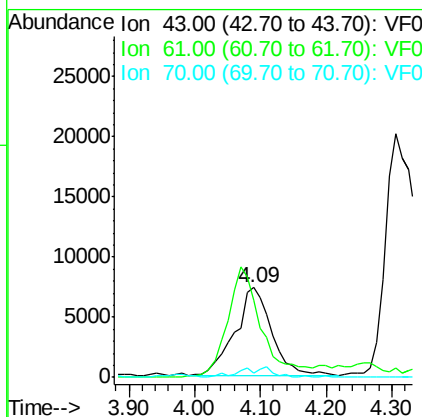
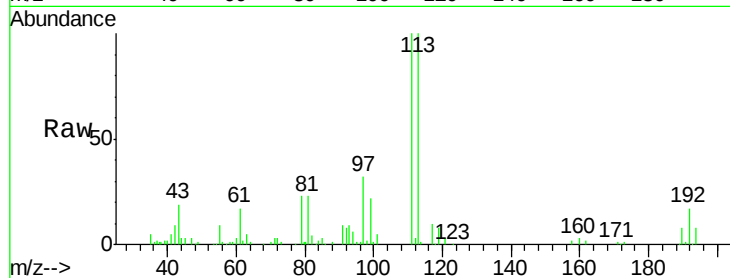
Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 29232
Ion Ratio Lower Upper
43 100
61 85.6 81.7 122.5
70 4.3 6.2 9.2#



#38

Carbon Tetrachloride

Concen: 19.705 ug/l

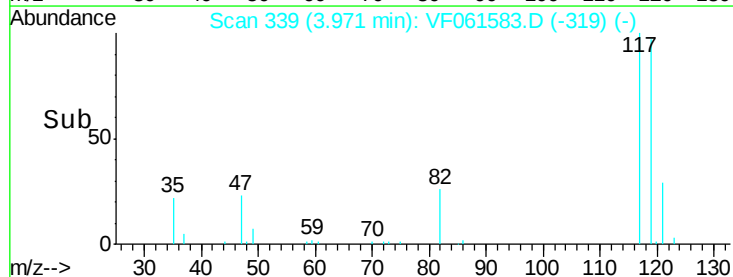
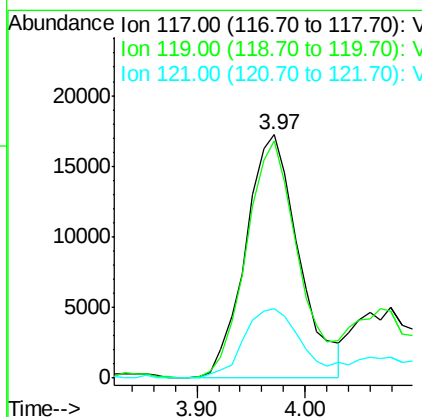
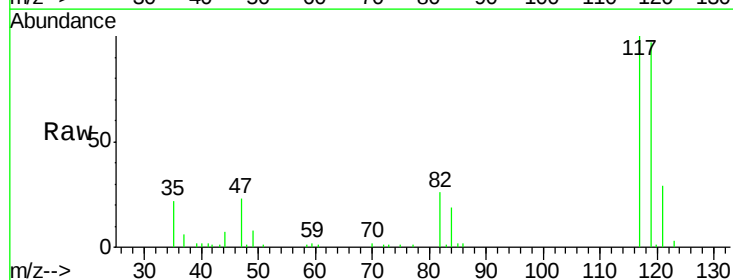
RT: 3.97 min Scan# 339

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Tgt Ion: 117 Resp: 59090
Ion Ratio Lower Upper
117 100
119 97.5 79.0 118.6
121 28.8 27.0 40.6

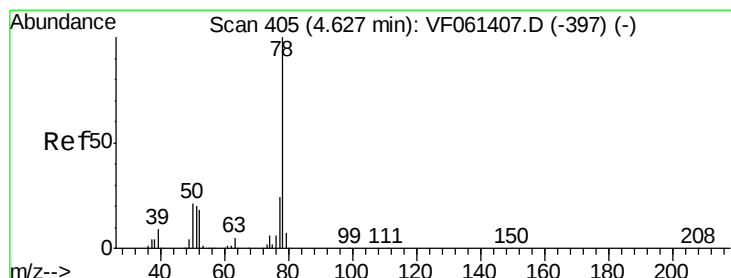
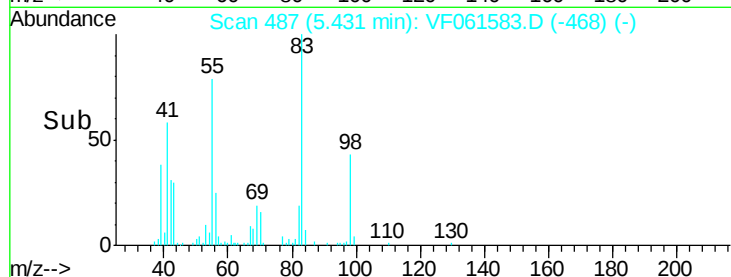
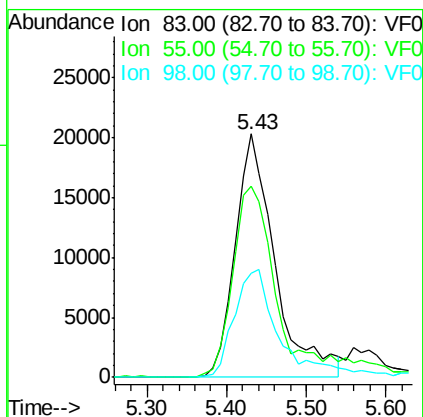
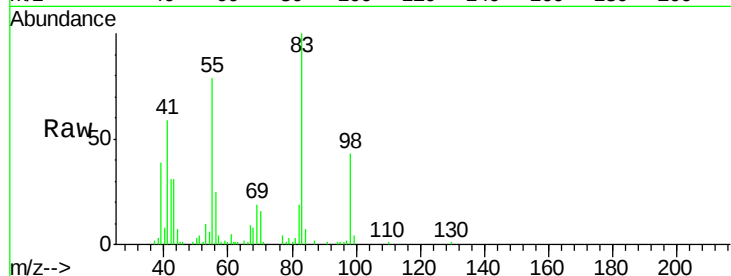




#39
Methvlcvclohexane
Concen: 18.991 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

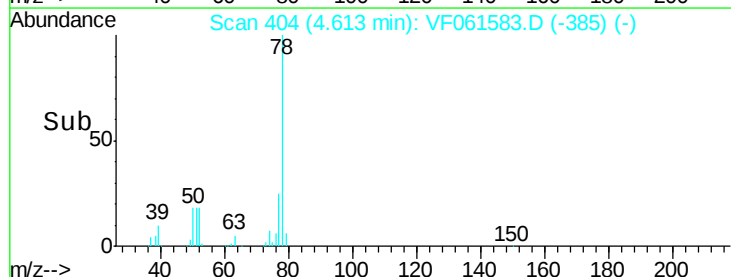
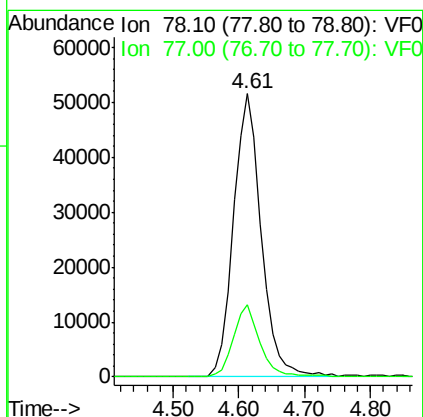
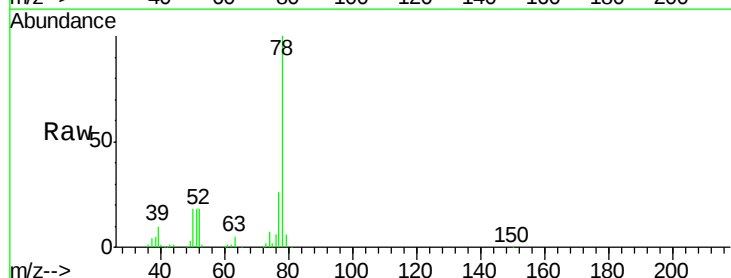
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 70598
Ion Ratio Lower Upper
83 100
55 78.7 67.4 101.2
98 42.7 36.7 55.1



#40
Benzene
Concen: 20.021 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion: 78 Resp: 152814
Ion Ratio Lower Upper
78 100
77 25.6 19.0 28.6

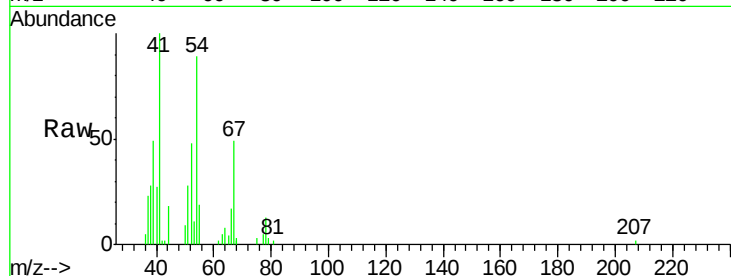




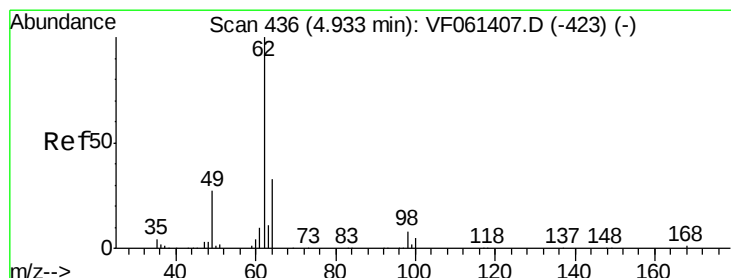
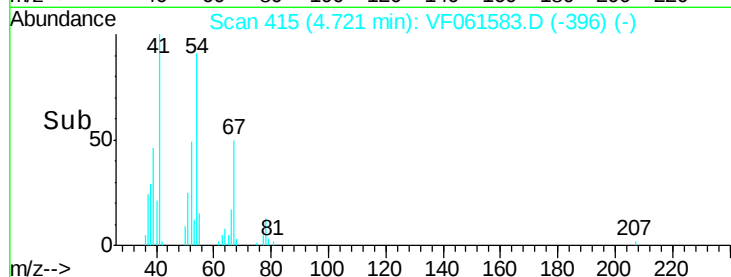
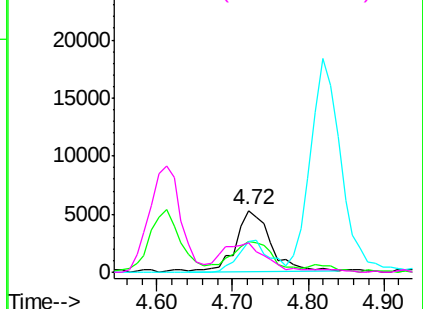
#41
Methacrylonitrile
Concen: 22.193 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	16192
Ion	Ratio	Lower	Upper
41	100		
39	49.0	43.1	64.7
67	48.9	38.8	58.2
52	47.8	33.2	49.8

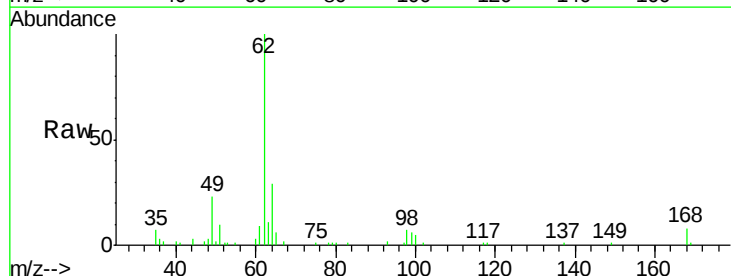


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

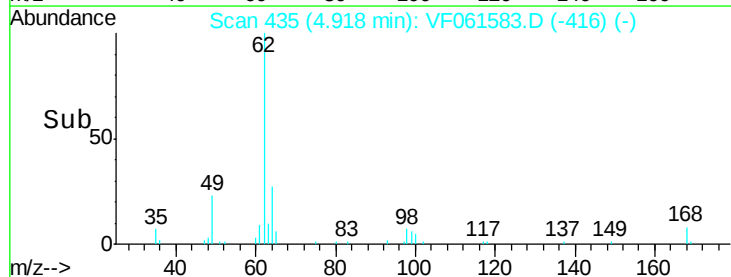
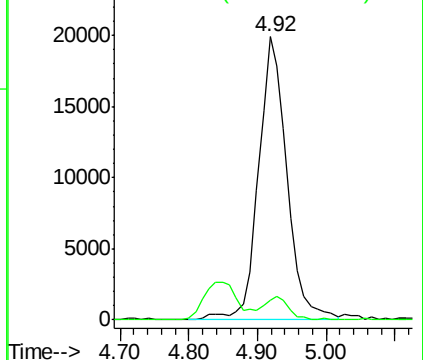


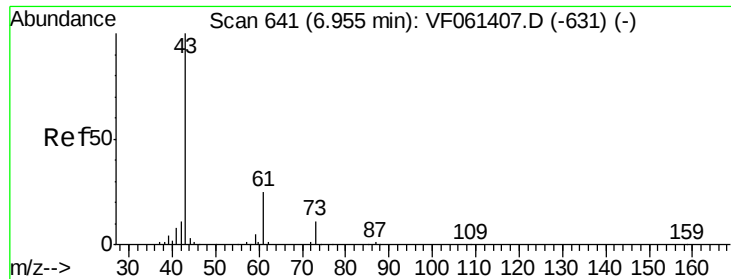
#42
1,2-Dichloroethane
Concen: 21.063 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion:	62	Resp:	57288
Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



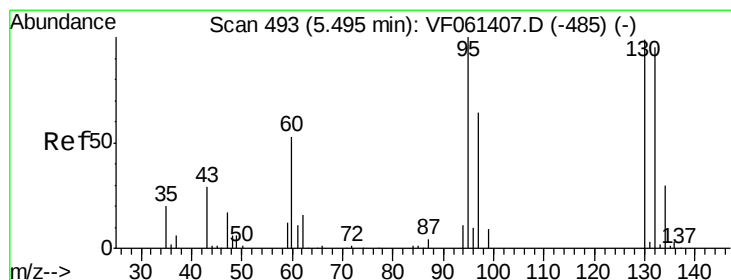
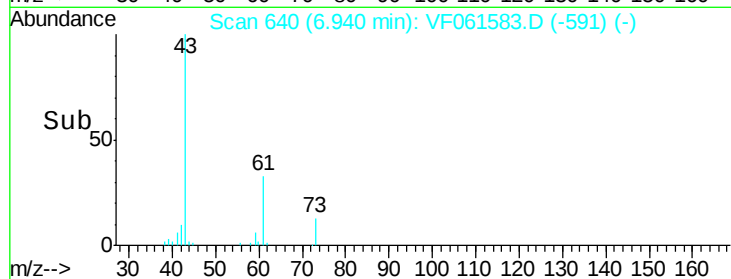
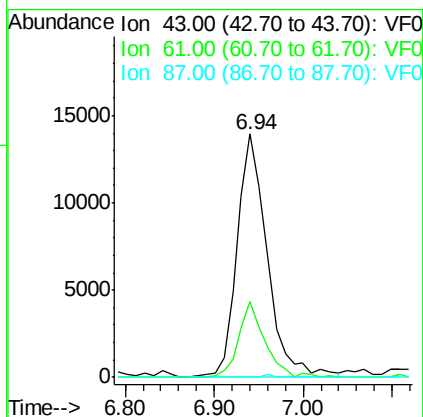
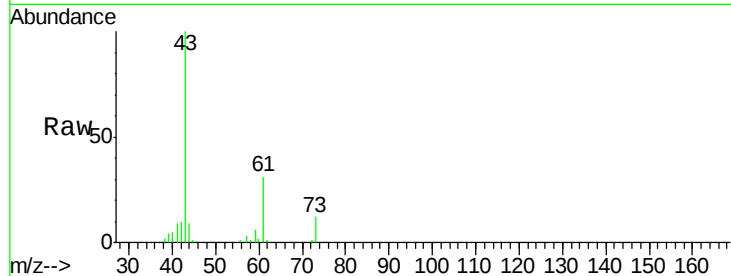


#43

Isopropyl Acetate
 Concen: 19.168 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Instrument :
 MSVOA_F
 ClientSampleId :

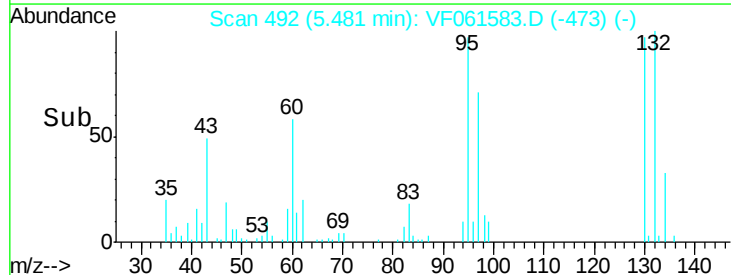
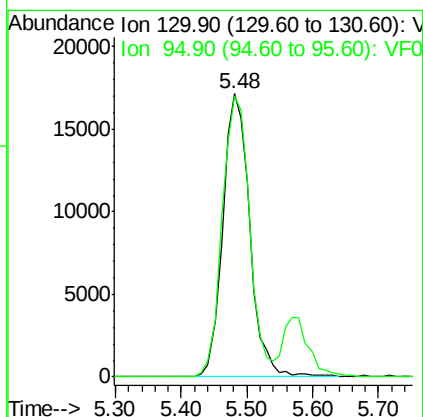
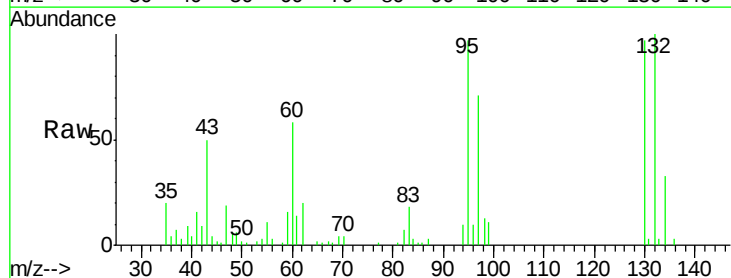
Tot Ion: 43 Resp: 32986
 Ion Ratio Lower Upper
 43 100
 61 31.0 20.3 30.5#
 87 0.0 0.5 0.7#

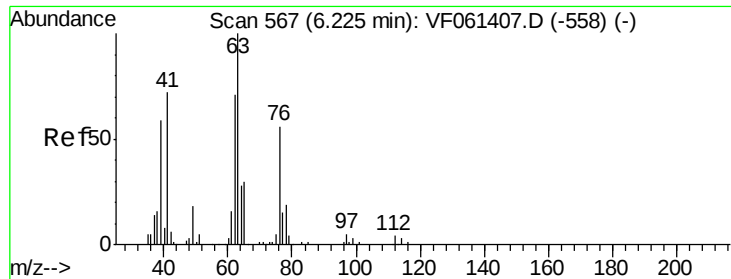


#44

Trichloroethene
 Concen: 21.053 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Tgt Ion: 130 Resp: 49294
 Ion Ratio Lower Upper
 130 100
 95 99.1 0.0 202.8





#45

1,2-Dichloropropane

Concen: 19.810 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

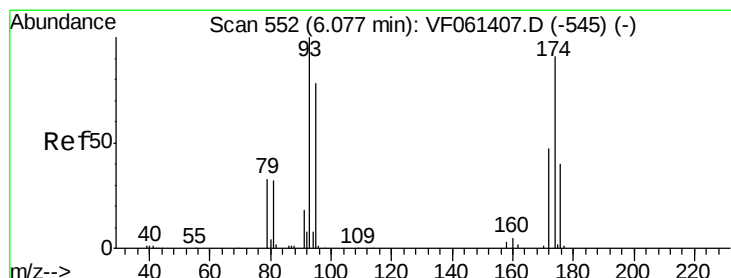
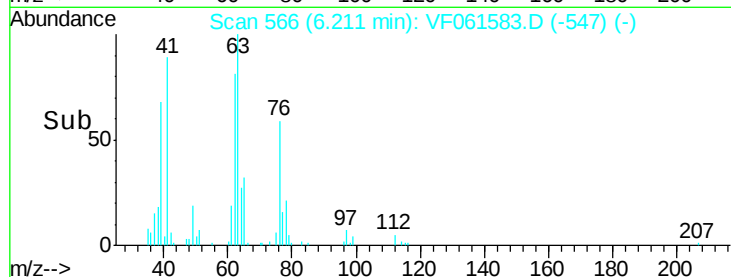
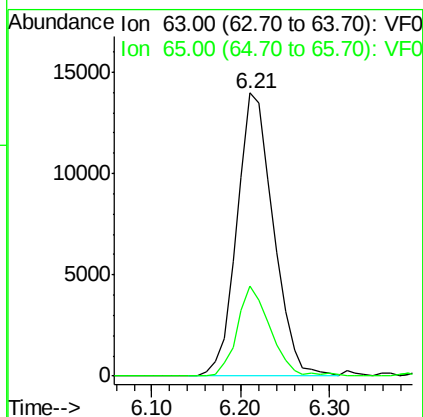
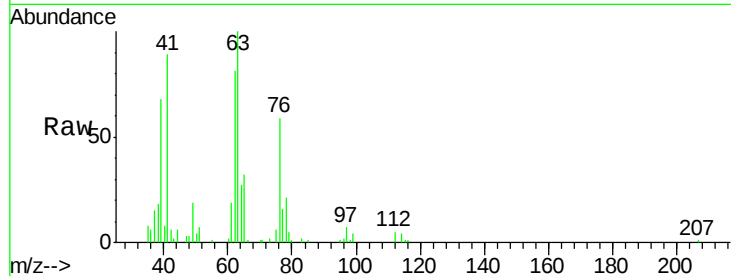
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 39685

Ion Ratio Lower Upper

63 100

65 32.0 24.4 36.6



#46

Dibromomethane

Concen: 19.051 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

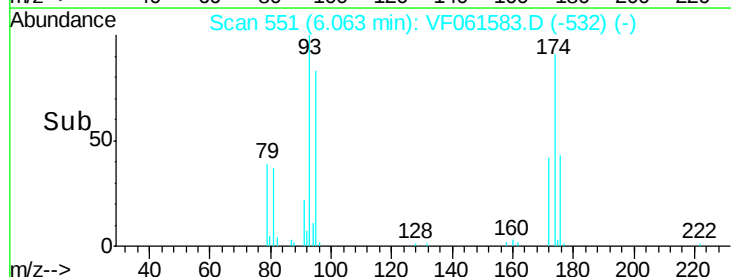
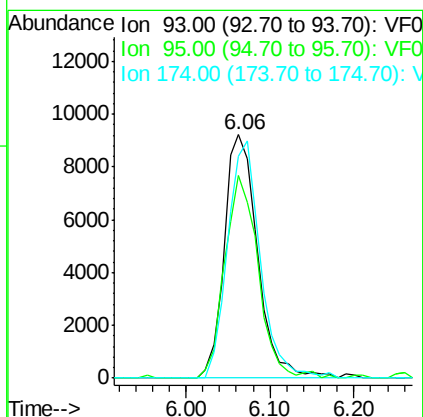
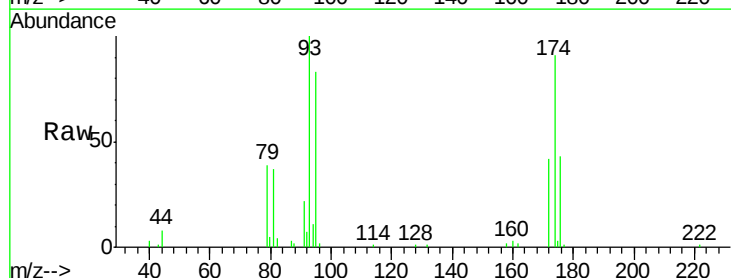
Tgt Ion: 93 Resp: 25377

Ion Ratio Lower Upper

93 100

95 83.1 62.1 93.1

174 90.9 74.6 111.8





#47

Bromodichloromethane

Concen: 21.453 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

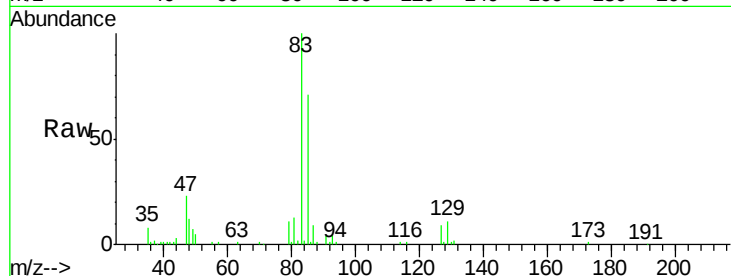
Tot Ion: 83 Resp: 70702

Ion Ratio Lower Upper

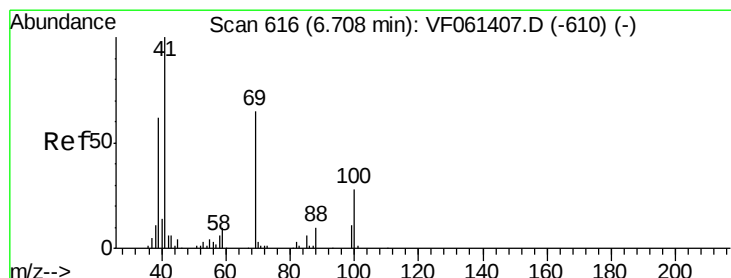
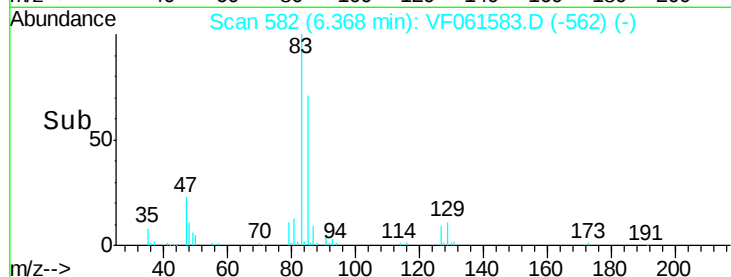
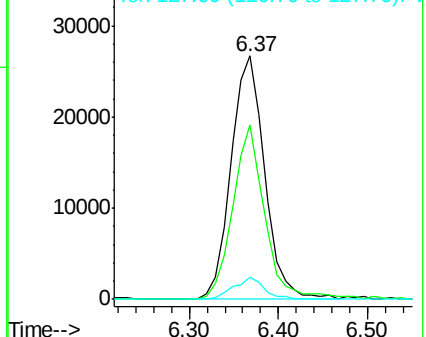
83 100

85 71.5 53.0 79.4

127 8.9 6.9 10.3



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: 19.439 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

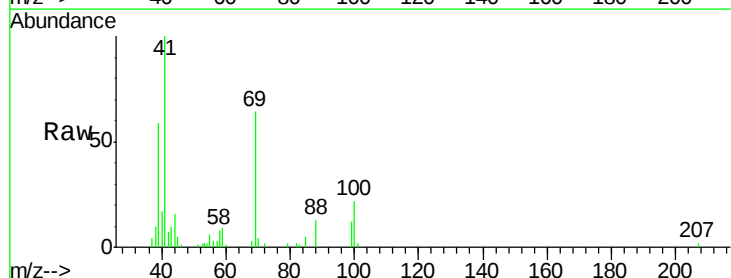
Tgt Ion: 41 Resp: 22464

Ion Ratio Lower Upper

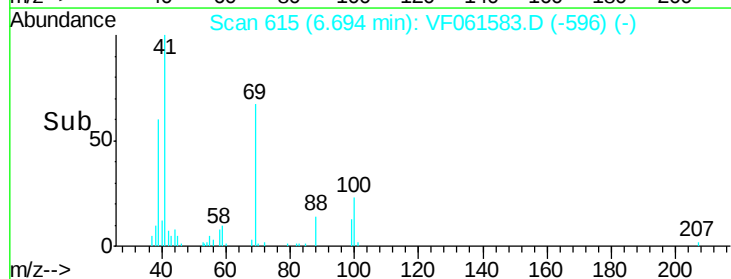
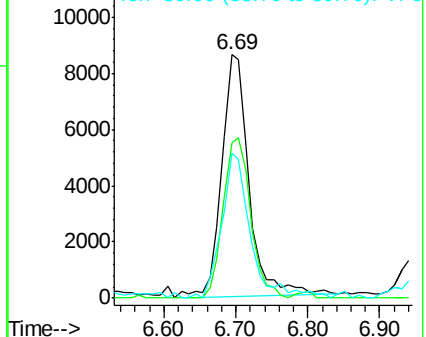
41 100

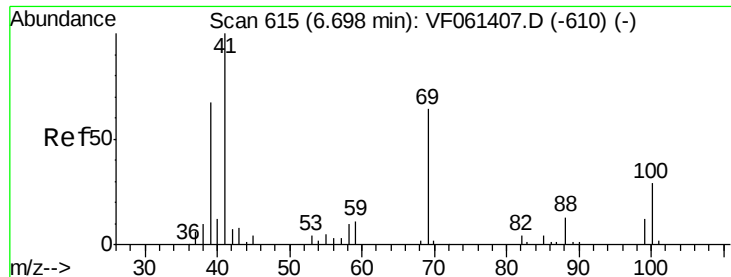
69 63.7 51.7 77.5

39 59.3 49.2 73.8



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: 375.951 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

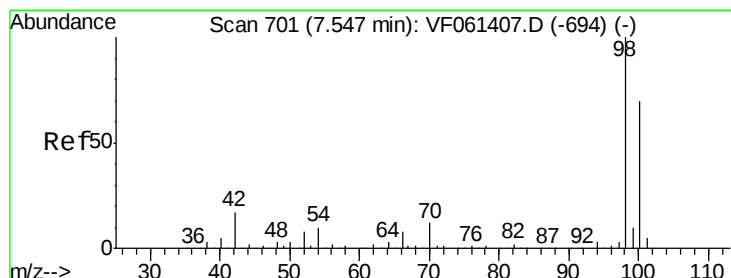
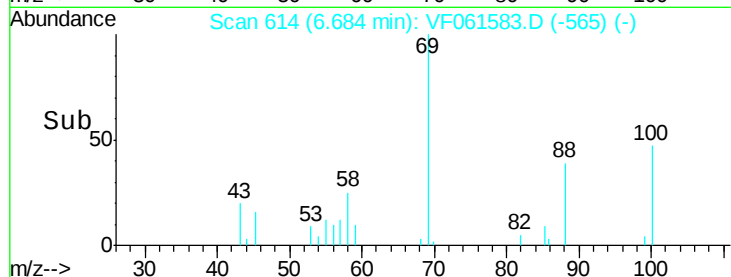
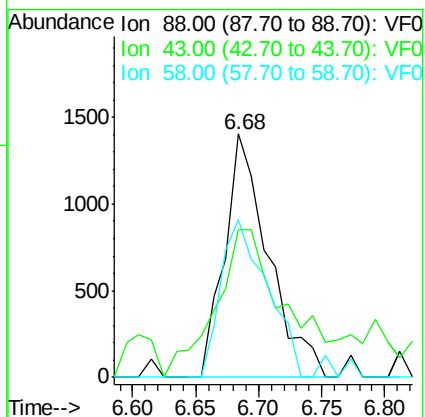
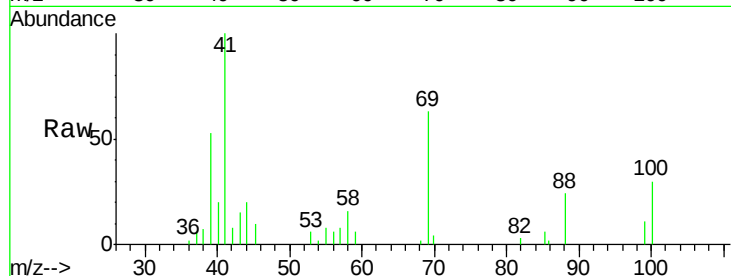
Tot Ion: 88 Resp: 3382

Ion Ratio Lower Upper

88 100

43 60.9 55.5 83.3

58 65.1 59.9 89.9



#50

Toluene-d8

Concen: 48.712 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF061583.D

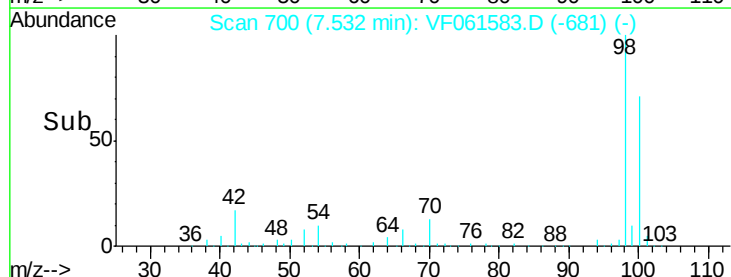
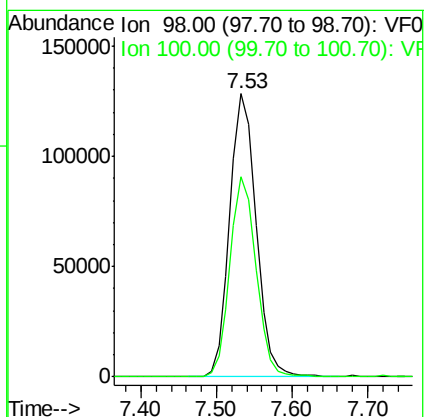
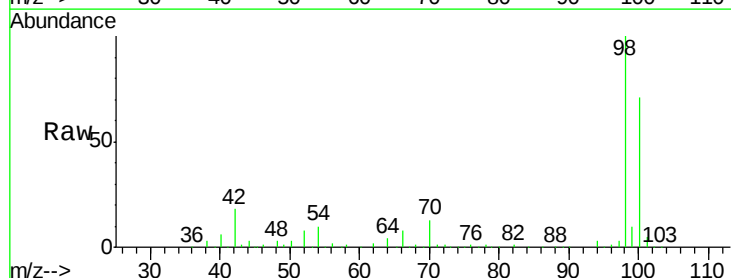
Acq: 11 Feb 2019 13:51

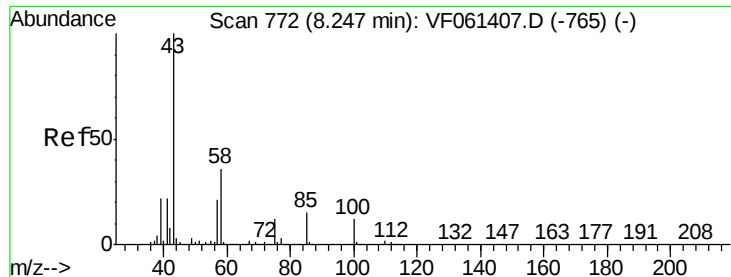
Tgt Ion: 98 Resp: 311562

Ion Ratio Lower Upper

98 100

100 70.8 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 111.666 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

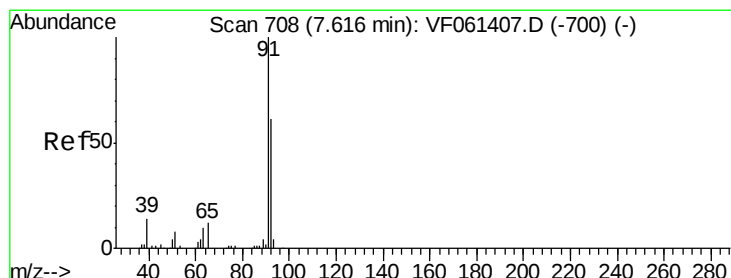
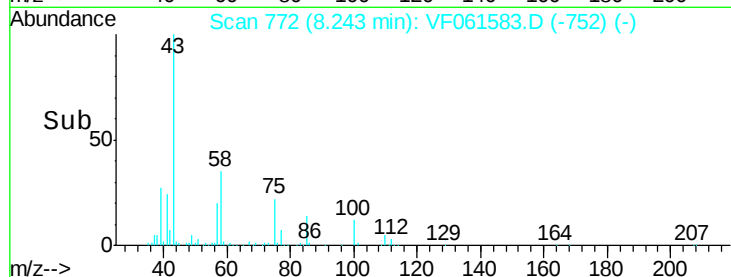
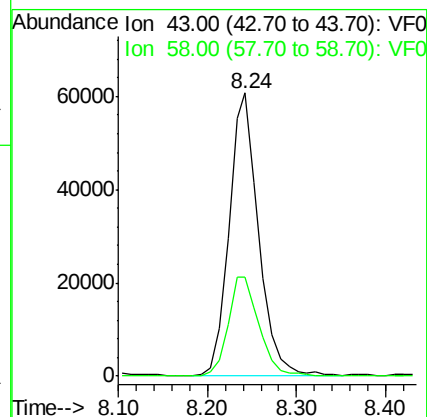
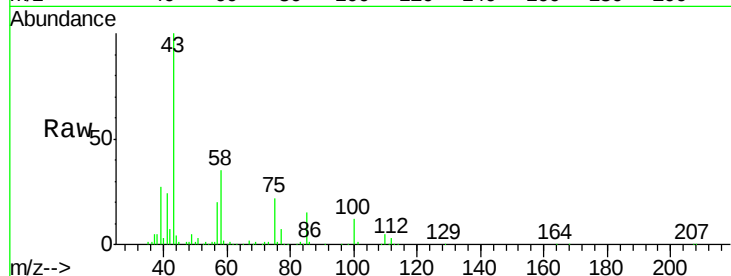
ClientSampleId :

Tot Ion: 43 Resp: 141272

Ion Ratio Lower Upper

43 100

58 35.2 28.8 43.2



#52

Toluene

Concen: 20.639 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.01 min

Lab File: VF061583.D

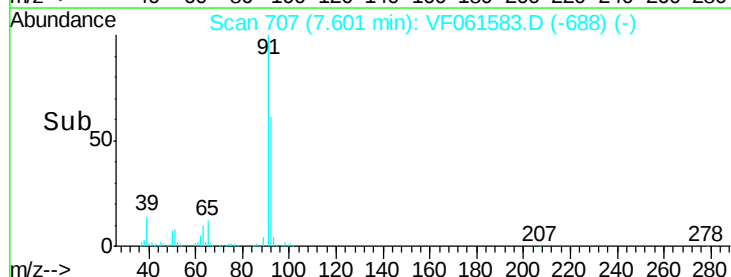
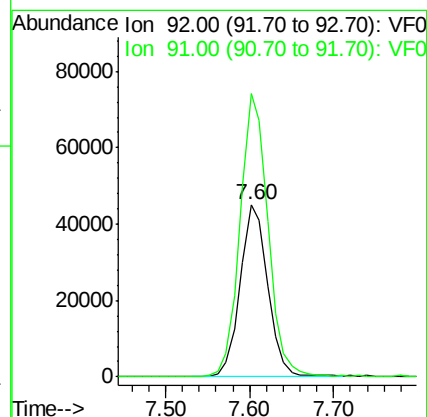
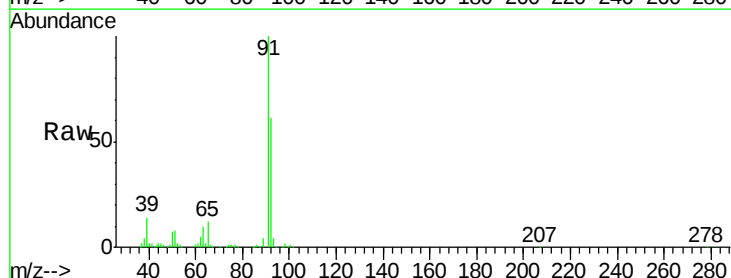
Acq: 11 Feb 2019 13:51

Tgt Ion: 92 Resp: 103741

Ion Ratio Lower Upper

92 100

91 164.1 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 22.417 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

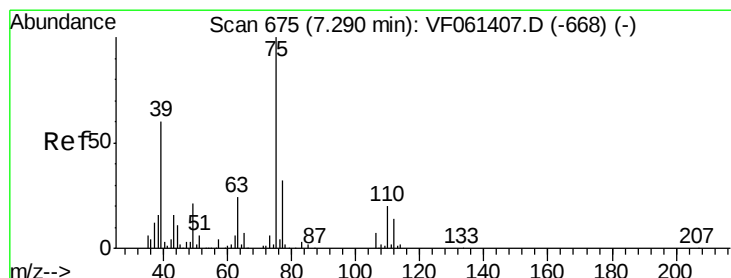
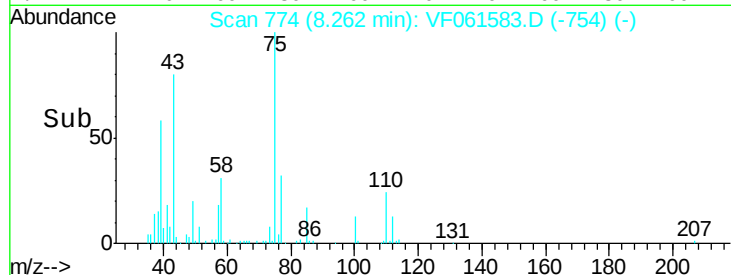
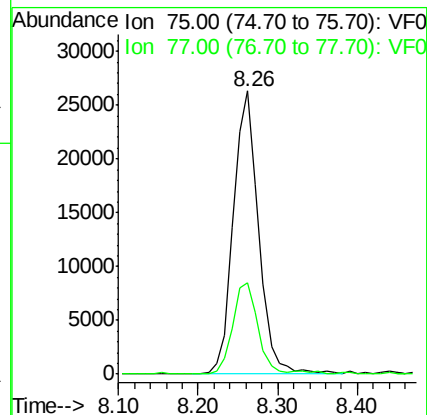
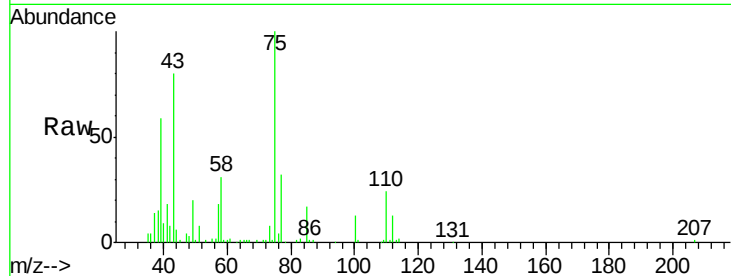
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 58665

Ion Ratio Lower Upper

75 100

77 32.3 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 22.476 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

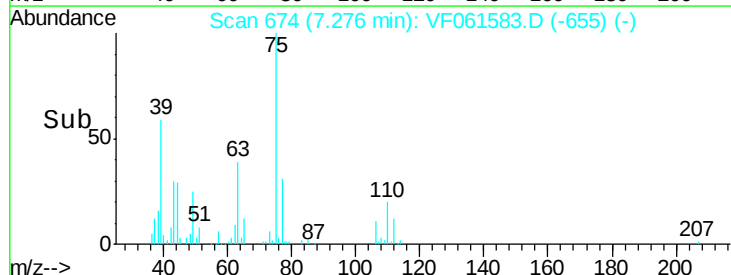
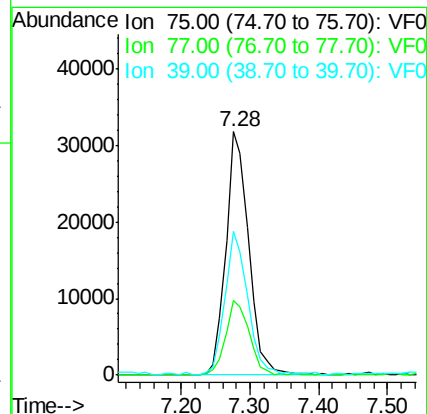
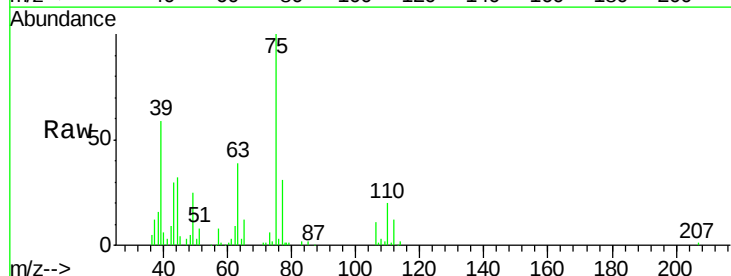
Tgt Ion: 75 Resp: 73523

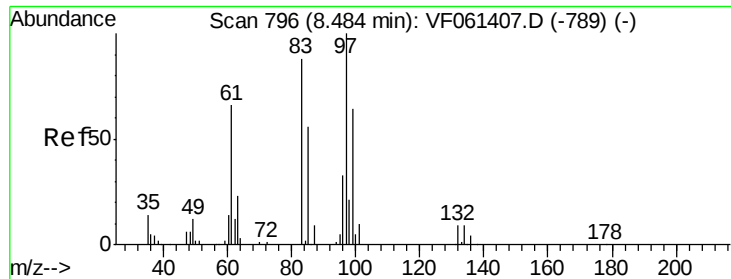
Ion Ratio Lower Upper

75 100

77 30.5 25.4 38.0

39 59.3 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 20.101 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 28691

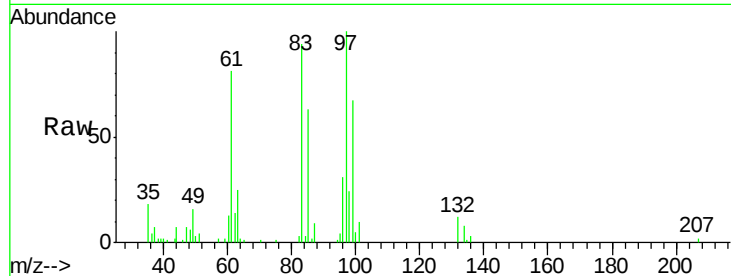
Ion	Ratio	Lower	Upper
97	100		
83	94.0	70.4	105.6
85	62.6	44.7	67.1
99	67.2	50.8	76.2

97 100

83 94.0 70.4 105.6

85 62.6 44.7 67.1

99 67.2 50.8 76.2

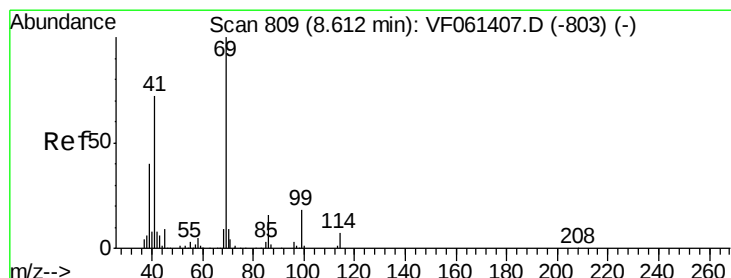
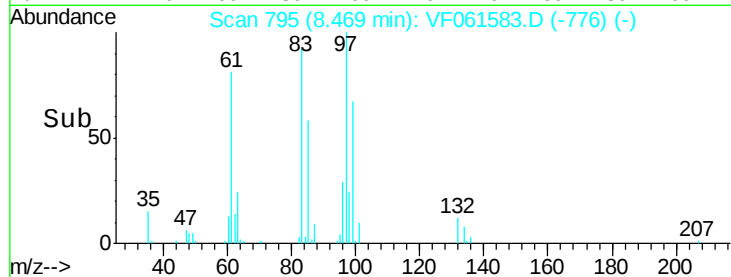
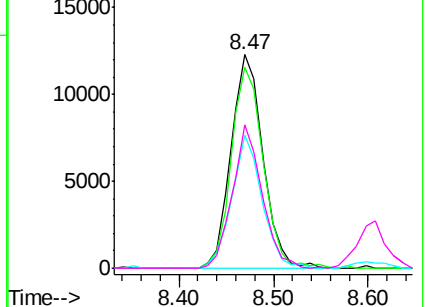


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.534 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

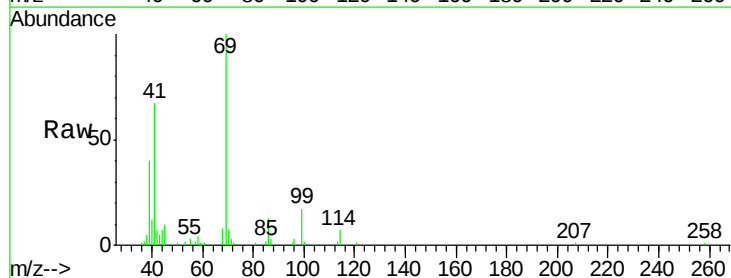
Tgt Ion: 69 Resp: 34099

Ion	Ratio	Lower	Upper
69	100		
41	67.4	57.5	86.3
39	40.3	32.0	48.0

69 100

41 67.4 57.5 86.3

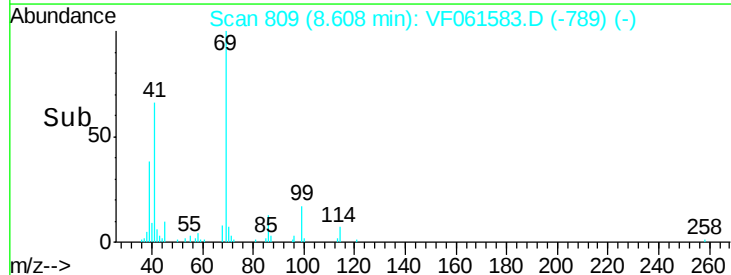
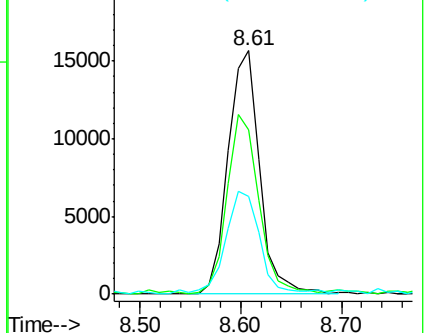
39 40.3 32.0 48.0

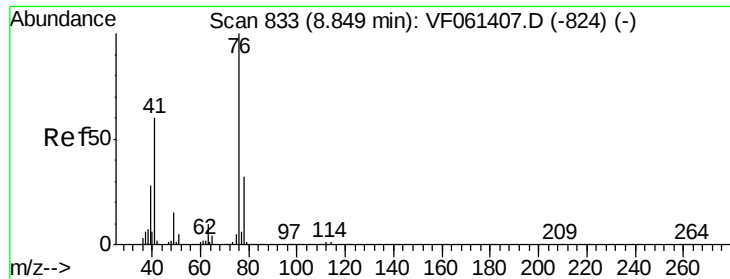


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.333 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

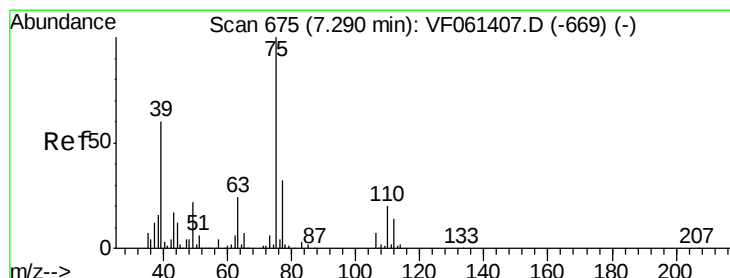
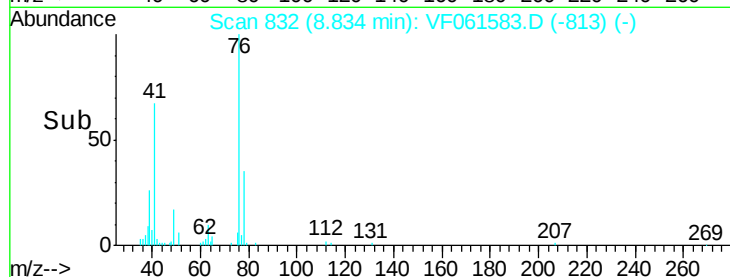
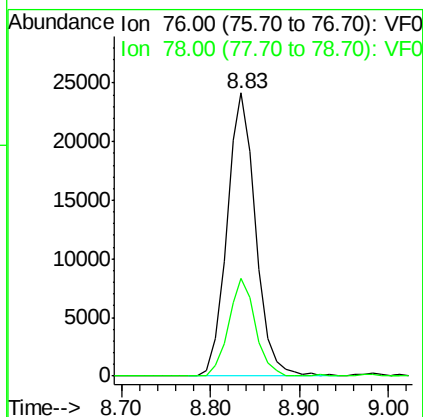
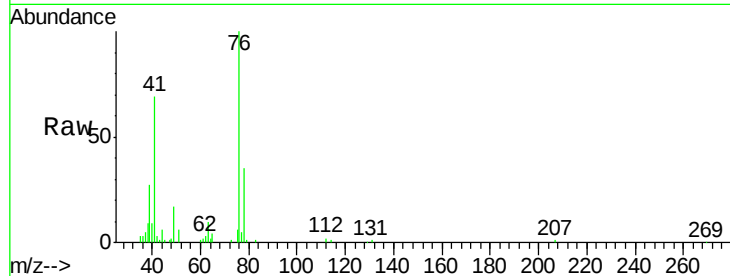
ClientSampled :

Tot Ion: 76 Resp: 54400

Ion Ratio Lower Upper

76 100

78 34.6 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 171.873 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061583.D

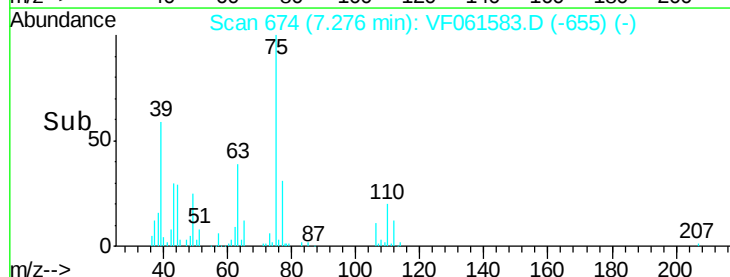
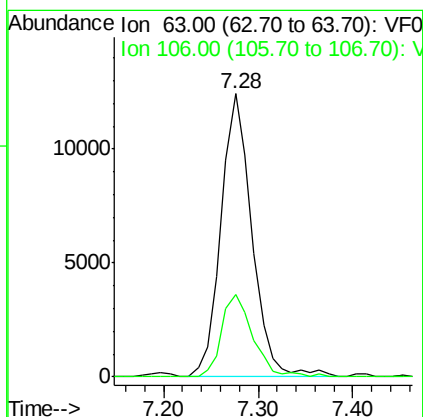
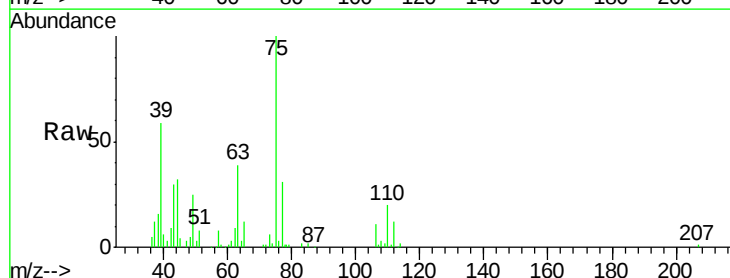
Acq: 11 Feb 2019 13:51

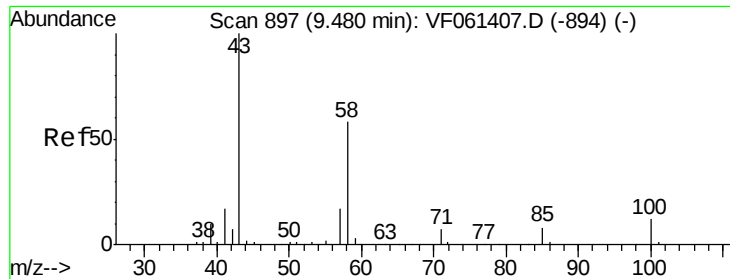
Tgt Ion: 63 Resp: 28247

Ion Ratio Lower Upper

63 100

106 28.9 21.9 32.9





#59

2-Hexanone

Concen: 124.665 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

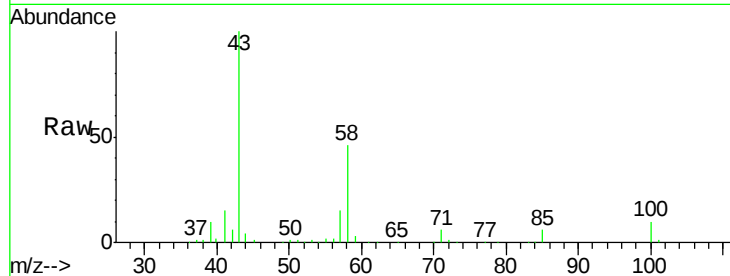
ClientSampled :

Tot Ion: 43 Resp: 109980

Ion Ratio Lower Upper

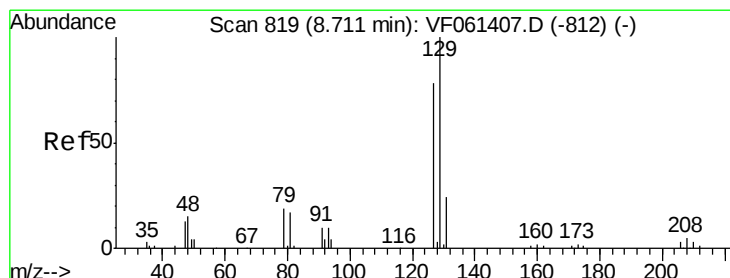
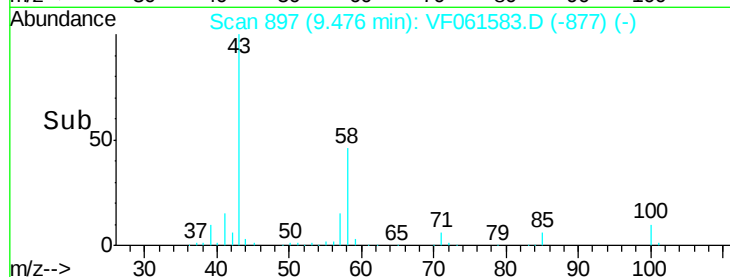
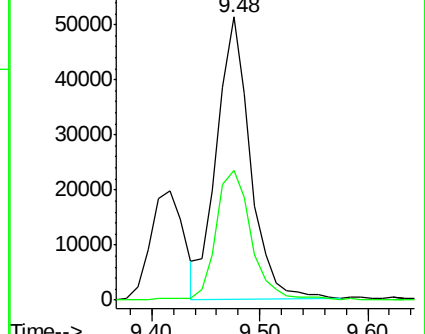
43 100

58 45.8 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 19.966 ug/l

RT: 8.70 min Scan# 818

Delta R.T. -0.01 min

Lab File: VF061583.D

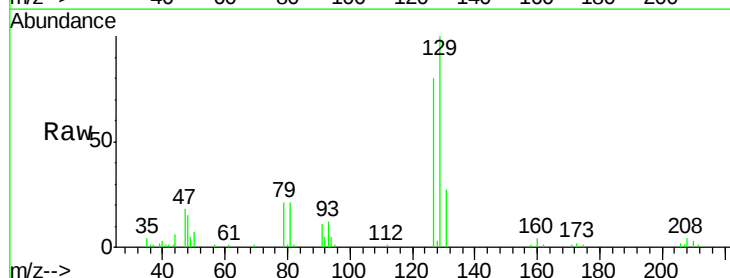
Acq: 11 Feb 2019 13:51

Tgt Ion: 129 Resp: 41663

Ion Ratio Lower Upper

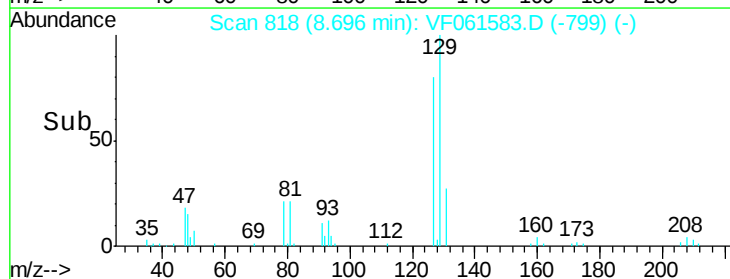
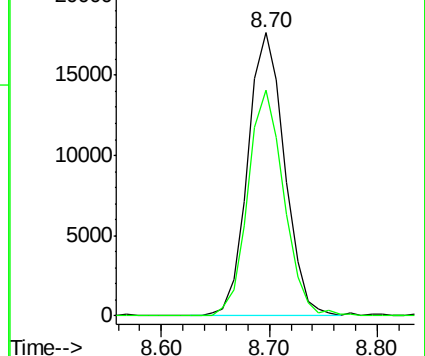
129 100

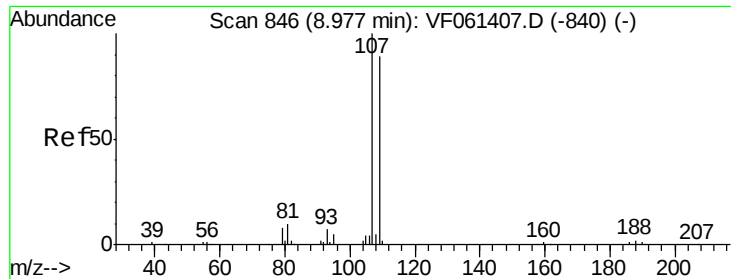
127 79.9 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 19.803 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

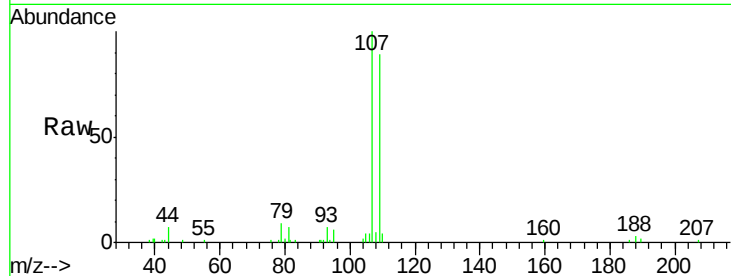
ClientSampleId :

Tot Ion:107 Resp: 32359

Ion Ratio Lower Upper

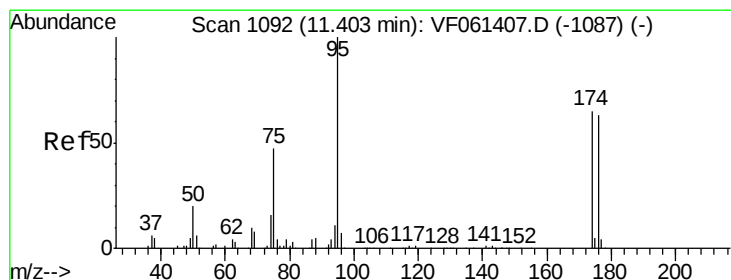
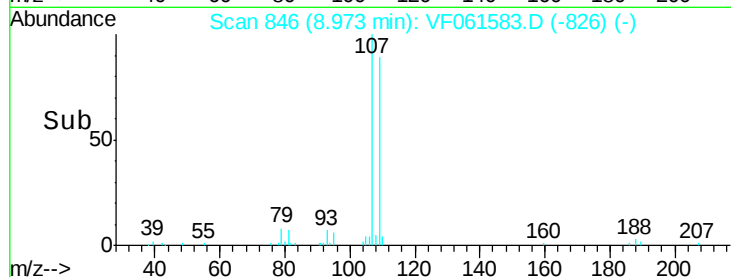
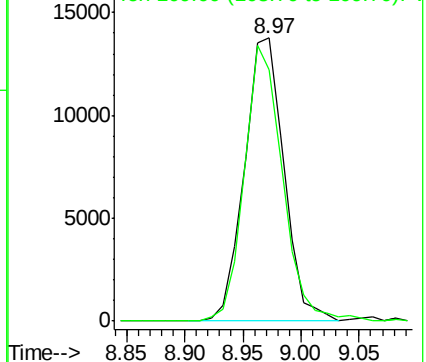
107 100

109 88.7 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.824 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

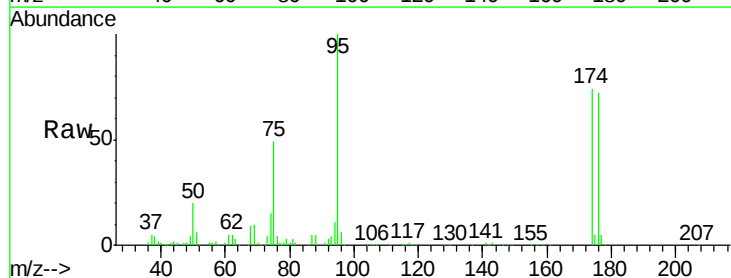
Tgt Ion: 95 Resp: 145907

Ion Ratio Lower Upper

95 100

174 74.5 0.0 130.4

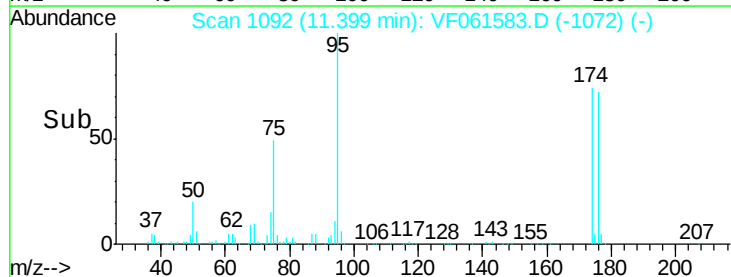
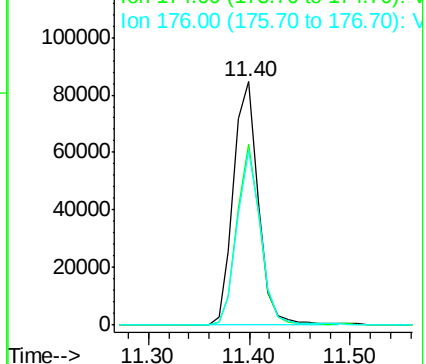
176 71.7 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :

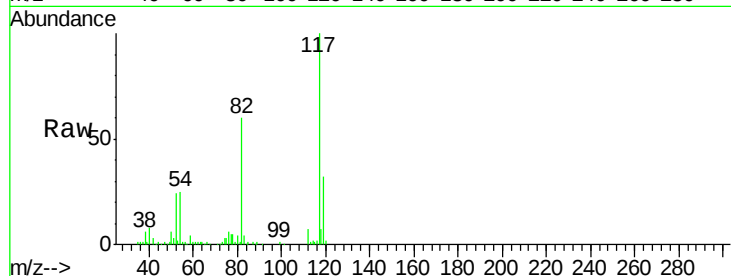
Tot Ion:117 Resp: 265509

Ion Ratio Lower Upper

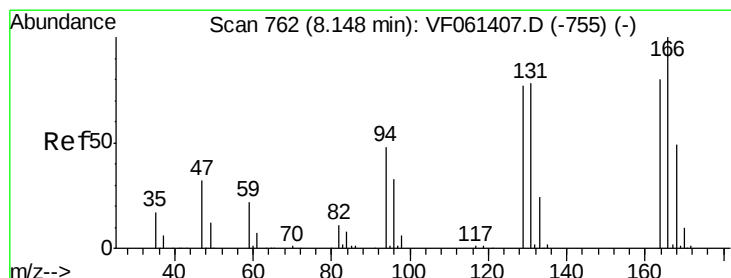
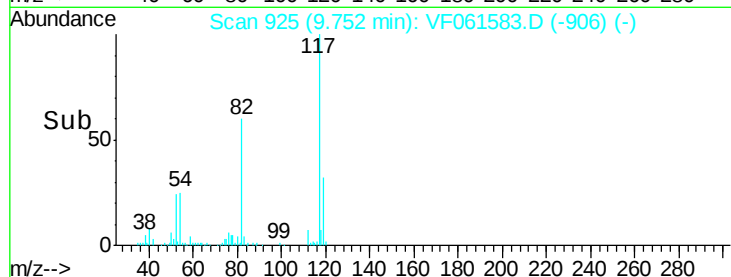
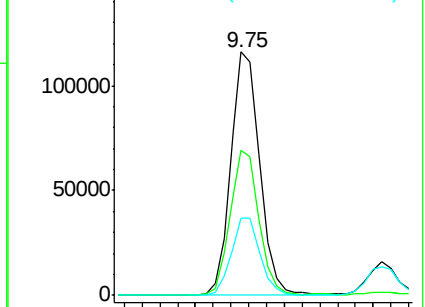
117 100

82 59.5 46.4 69.6

119 31.9 27.2 40.8



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



#64

Tetrachloroethene

Concen: 21.118 ug/l

RT: 8.13 min Scan# 761

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Tgt Ion:164 Resp: 42165

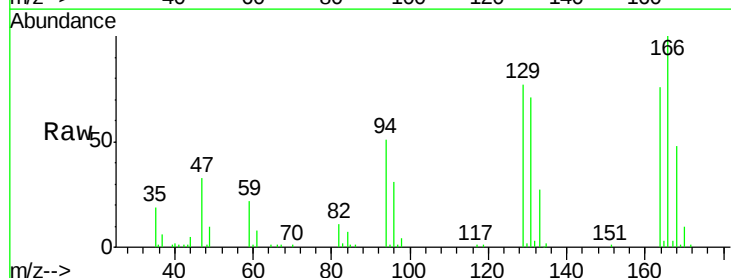
Ion Ratio Lower Upper

164 100

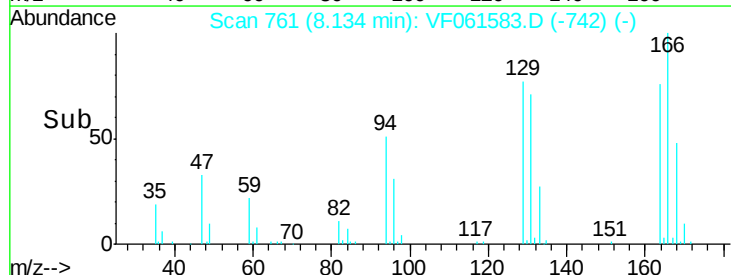
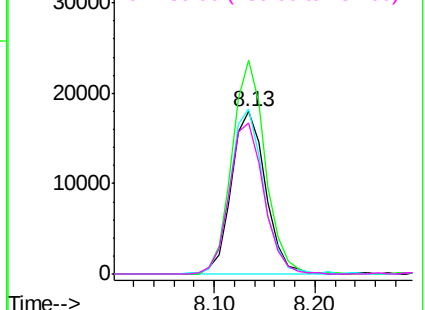
166 131.7 99.6 149.4

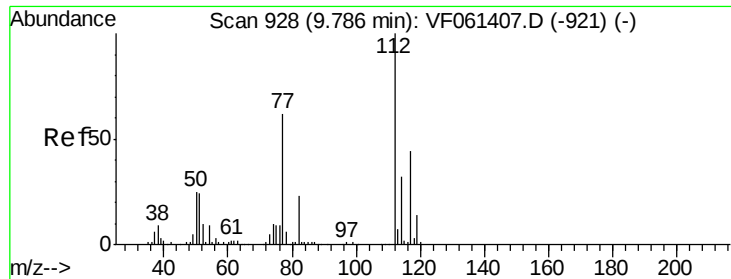
129 101.6 76.4 114.6

131 92.9 77.9 116.9



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

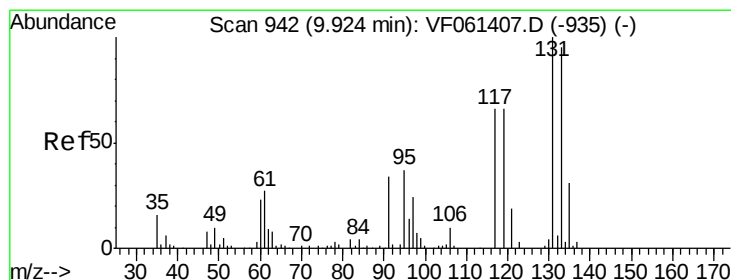
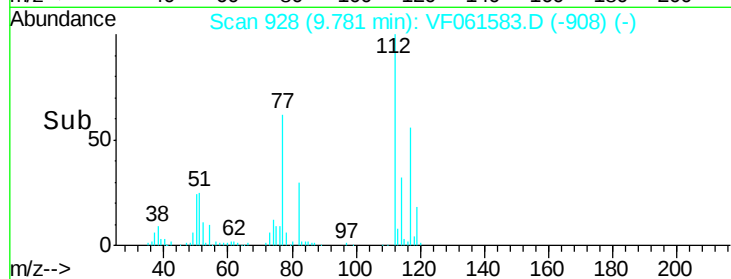
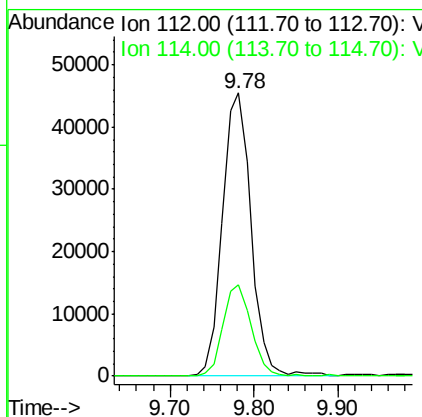
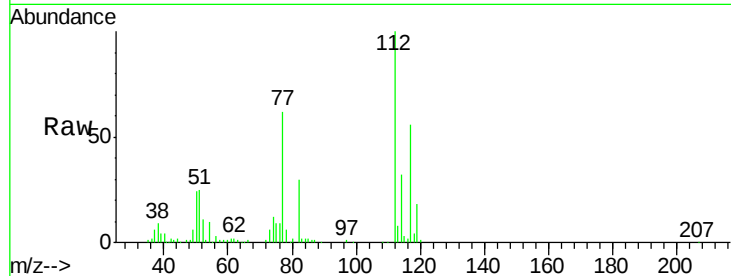




#65
Chlorobenzene
Concen: 19.943 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

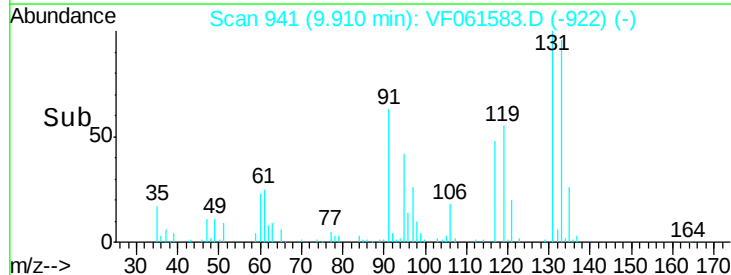
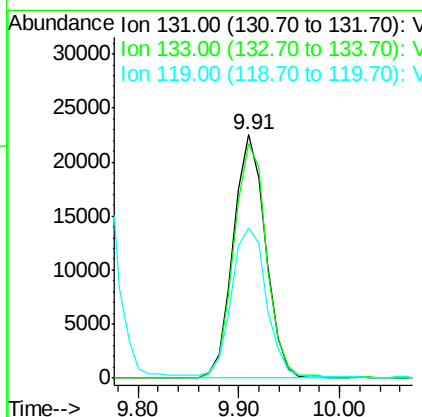
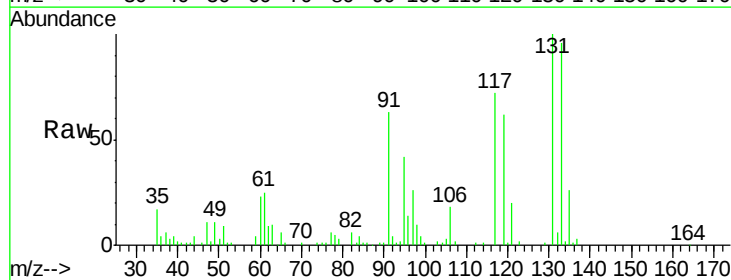
Instrument :
MSVOA_F
ClientSampleId :

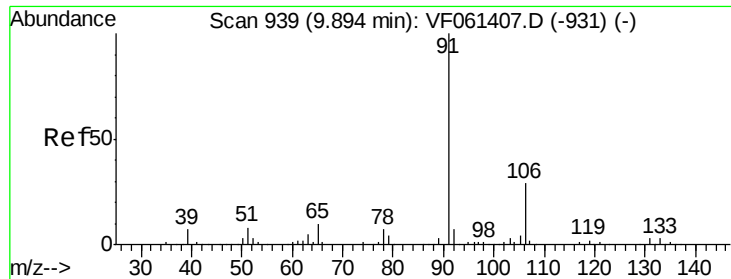
Tot Ion:112 Resp: 107676
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.252 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion:131 Resp: 50012
Ion Ratio Lower Upper
131 100
133 96.4 47.4 142.2
119 61.8 33.1 99.3

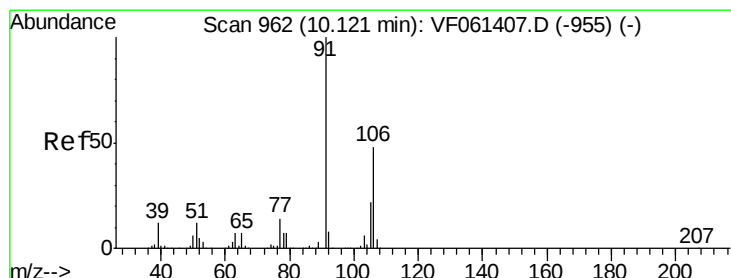
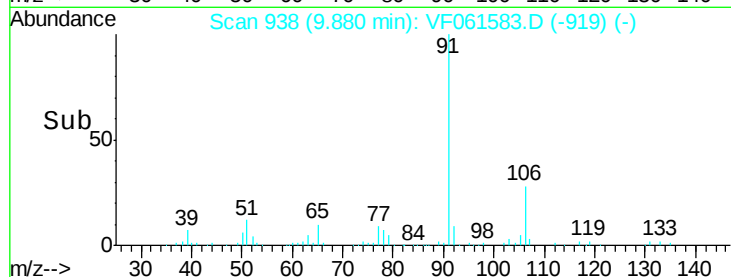
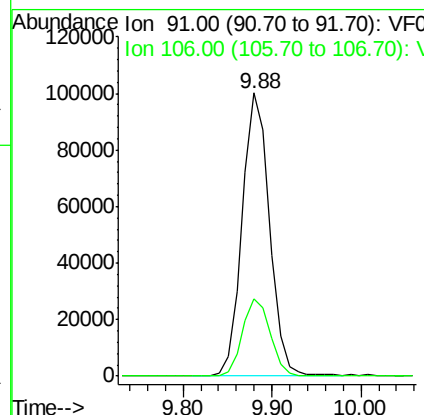
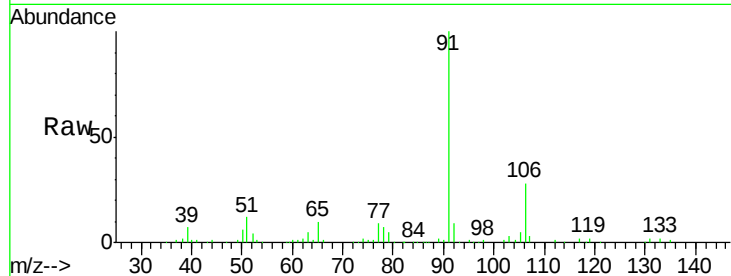




#67
Ethyl Benzene
Concen: 21.744 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

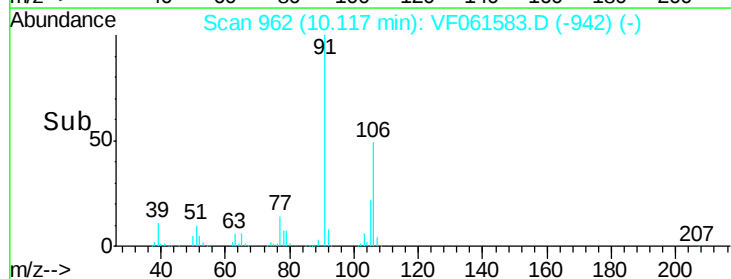
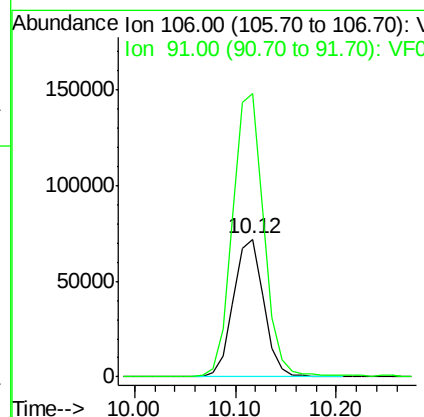
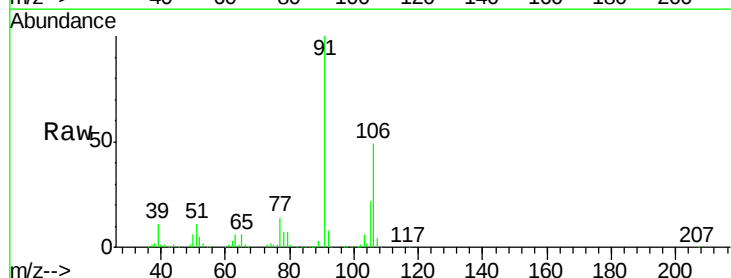
Instrument :
MSVOA_F
ClientSampleId :

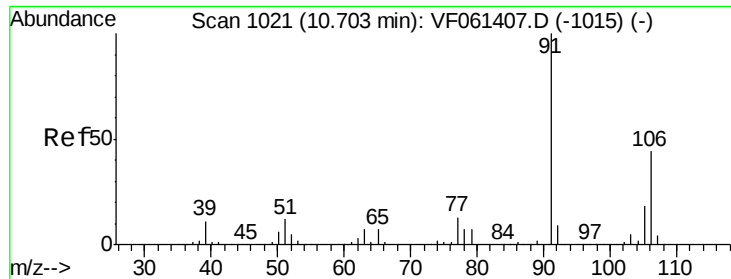
Tot Ion: 91 Resp: 214502
Ion Ratio Lower Upper
91 100
106 27.5 23.1 34.7



#68
m/p-Xylenes
Concen: 42.623 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion: 106 Resp: 151228
Ion Ratio Lower Upper
106 100
91 205.4 166.2 249.4

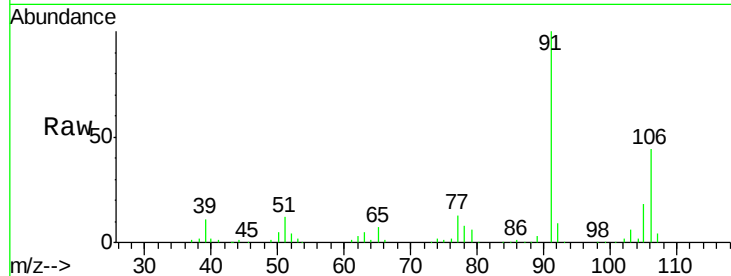




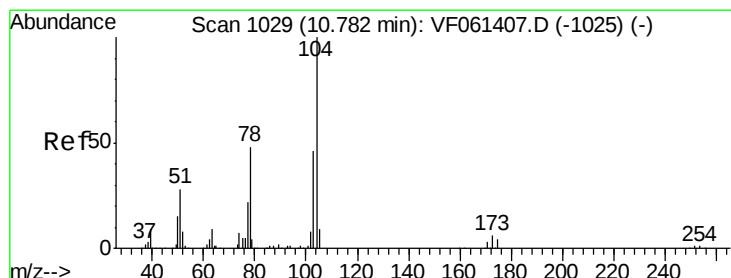
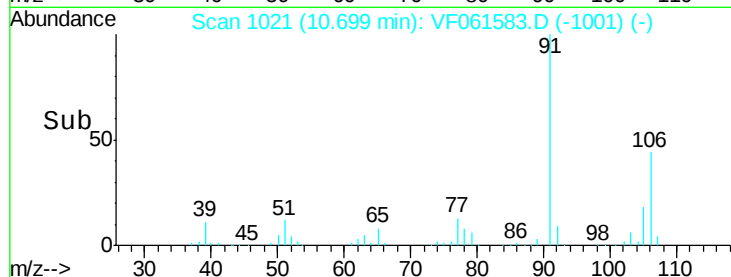
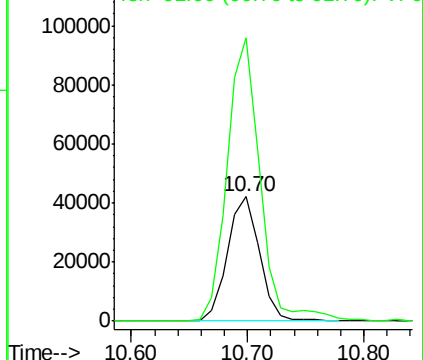
#69
o-Xylene
Concen: 20.995 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 80735
Ion Ratio Lower Upper
106 100
91 227.3 113.3 339.8

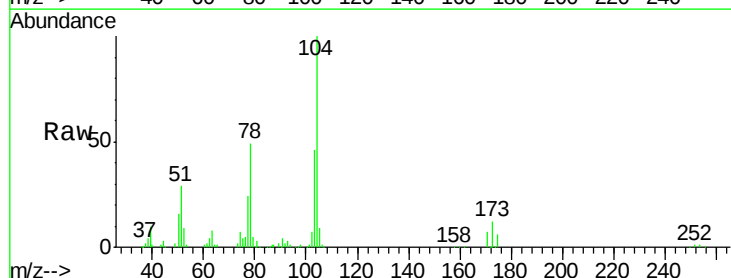


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

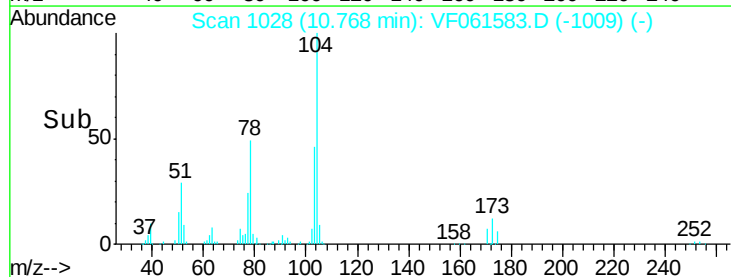
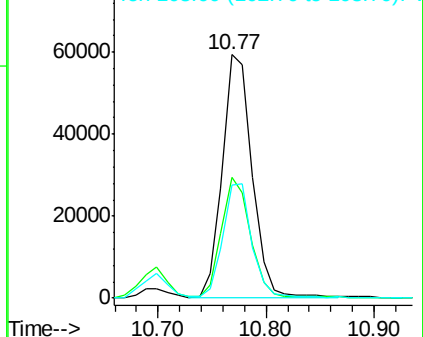


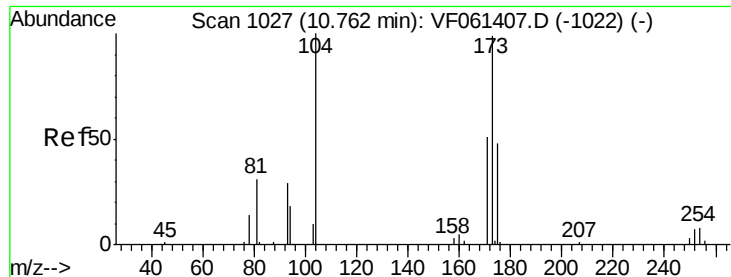
#70
Styrene
Concen: 21.627 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion:104 Resp: 113839
Ion Ratio Lower Upper
104 100
78 49.4 38.8 58.2
103 46.3 37.0 55.6



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





#71

Bromoform

Concen: 22.412 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

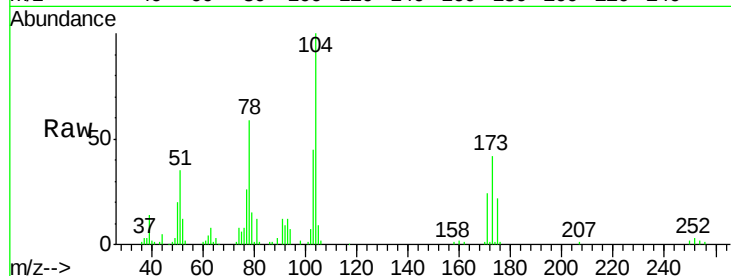
Tot Ion:173 Resp: 21659

Ion Ratio Lower Upper

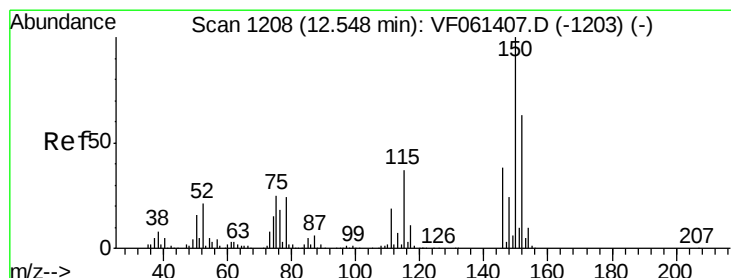
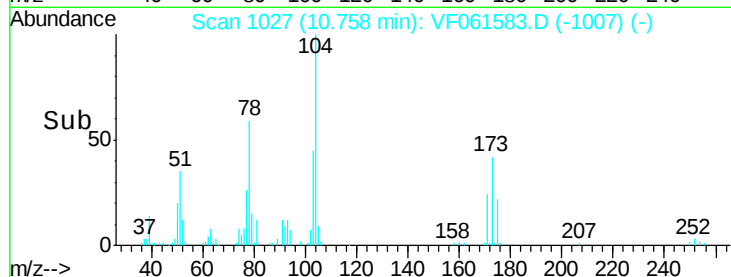
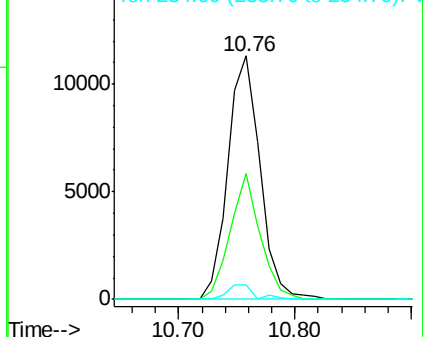
173 100

175 52.9 24.1 72.4

254 5.8 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: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

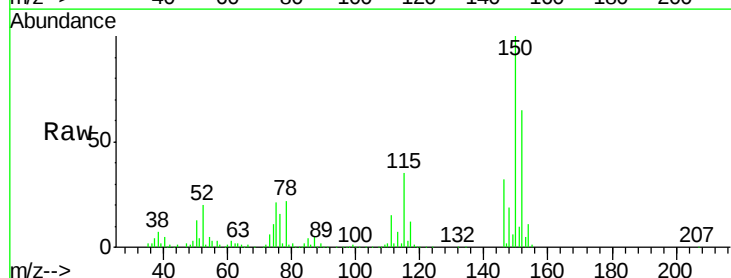
Tgt Ion:152 Resp: 140220

Ion Ratio Lower Upper

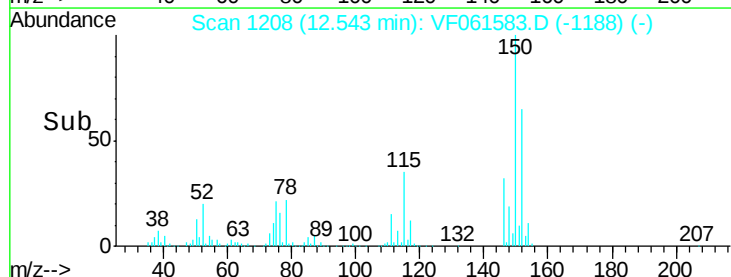
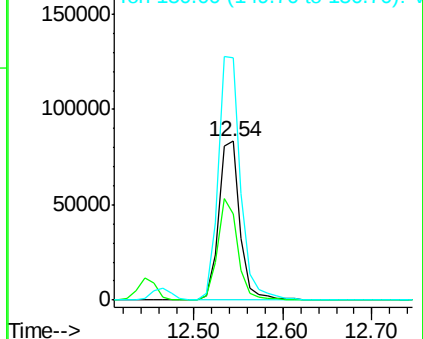
152 100

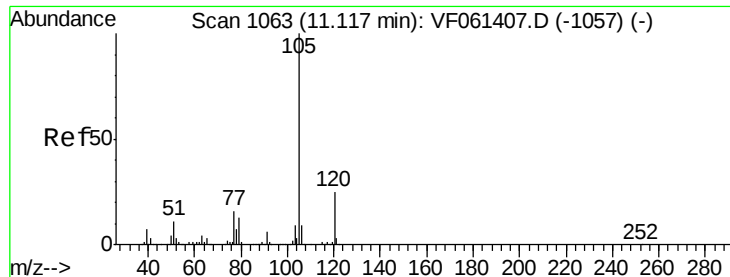
115 54.3 30.0 90.0

150 153.2 0.0 321.4



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: 21.979 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

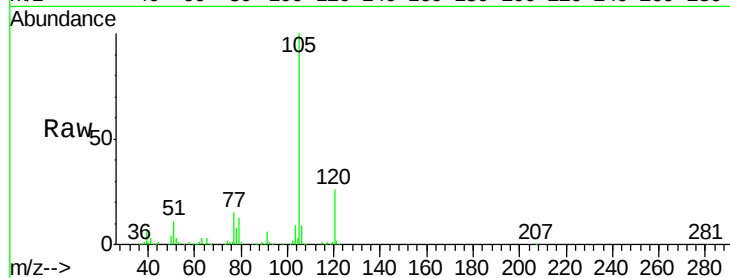
ClientSampleId :

Tot Ion:105 Resp: 250661

Ion Ratio Lower Upper

105 100

120 25.7 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.11

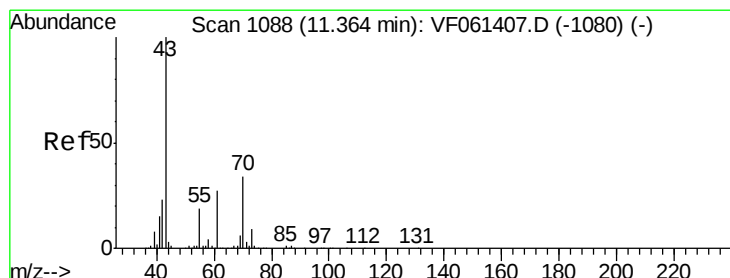
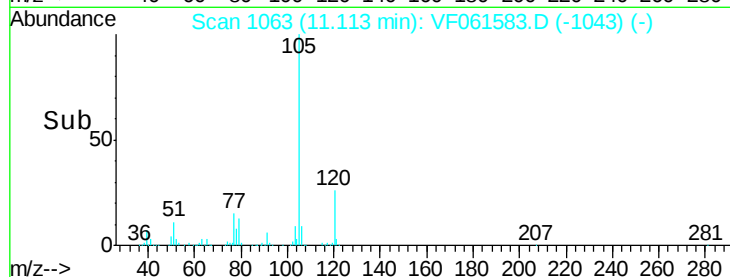
150000

100000

50000

0

Time--> 11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 22.498 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Tgt Ion: 43 Resp: 60671

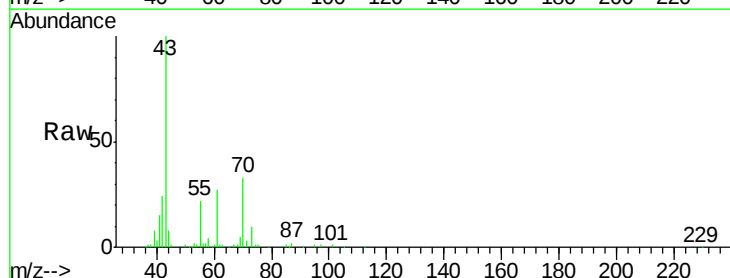
Ion Ratio Lower Upper

43 100

70 33.3 27.6 41.4

55 21.7 15.4 23.2

61 26.7 21.8 32.6



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

50000

40000

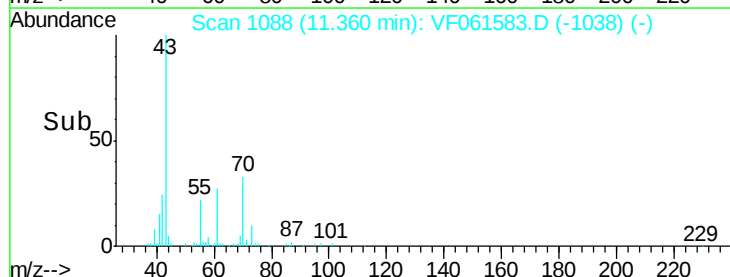
30000

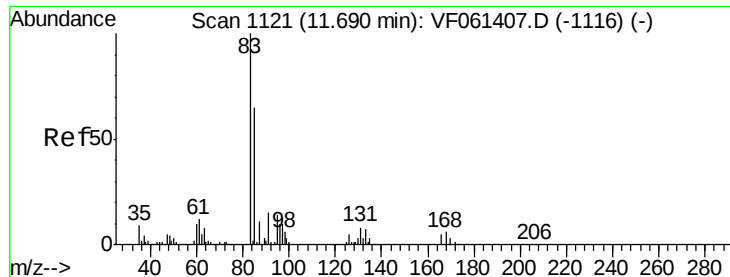
20000

10000

0

Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 20.686 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

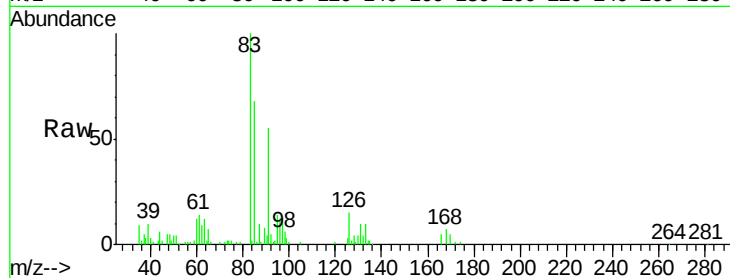
Tot Ion: 83 Resp: 42027

Ion Ratio Lower Upper

83 100

131 9.7 4.0 12.2

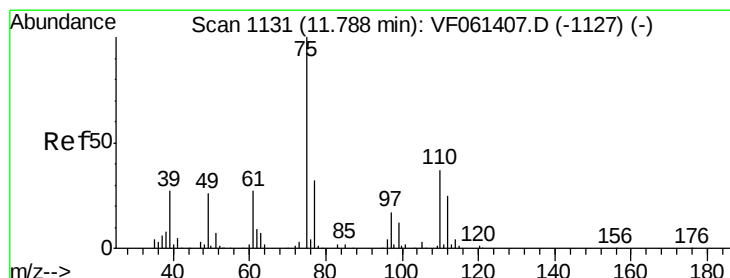
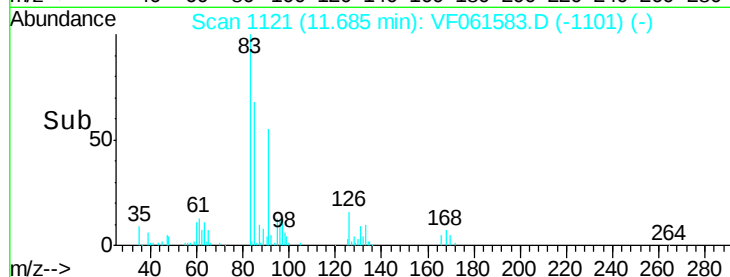
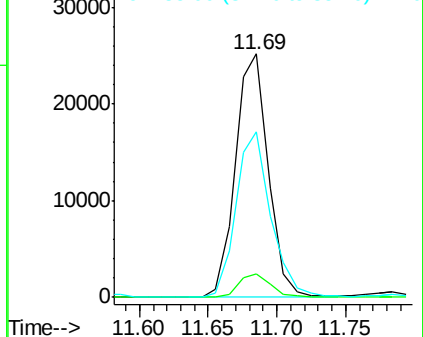
85 68.0 32.7 98.1



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: 21.471 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF061583.D

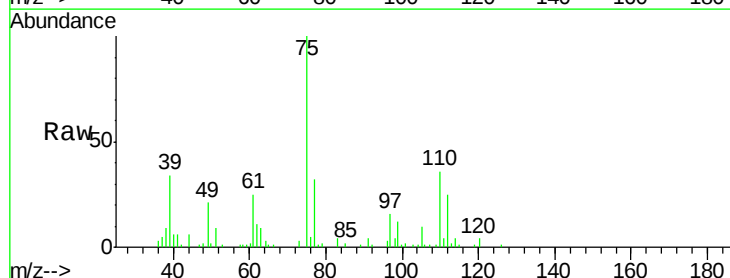
Acq: 11 Feb 2019 13:51

Tgt Ion: 75 Resp: 31344

Ion Ratio Lower Upper

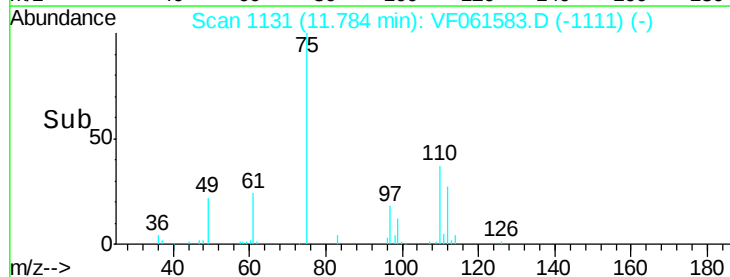
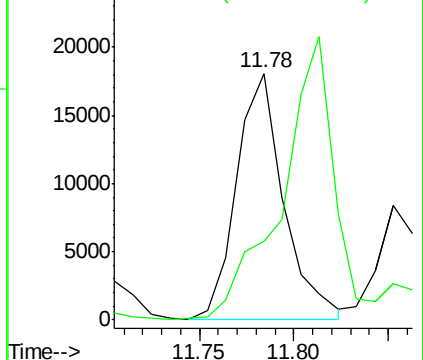
75 100

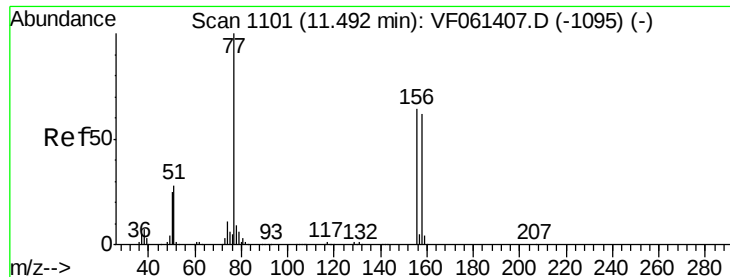
77 31.9 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.598 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

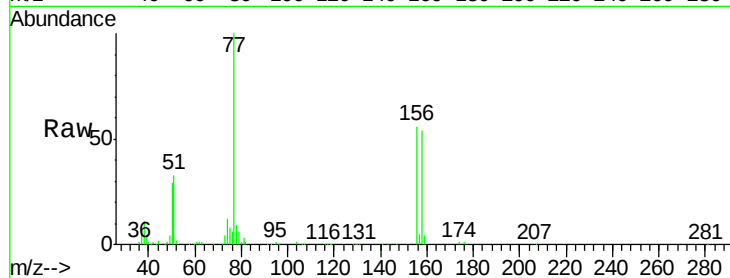
Tot Ion:156 Resp: 52019

Ion Ratio Lower Upper

156 100

77 179.4 78.3 234.9

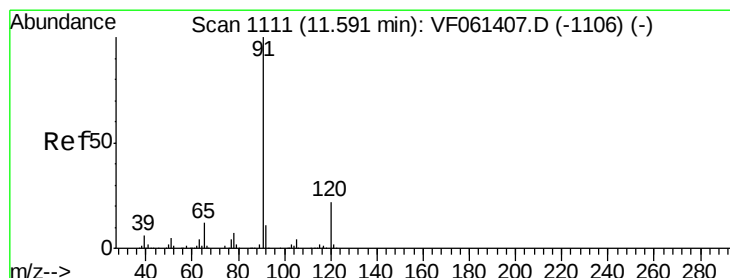
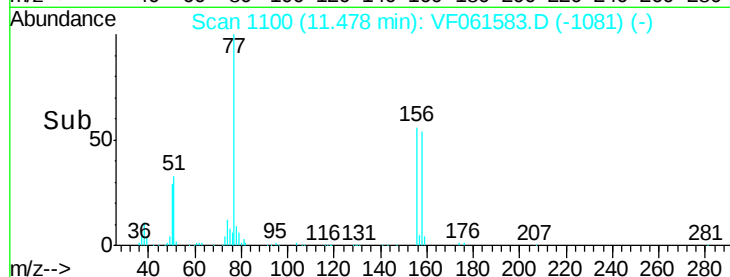
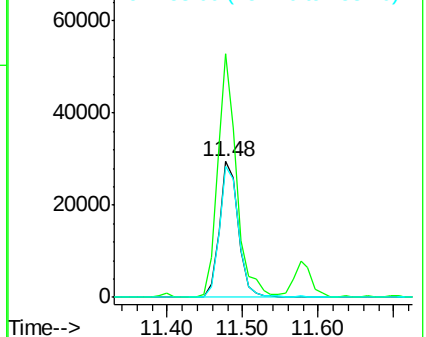
158 96.7 48.9 146.7



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: 20.172 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VF061583.D

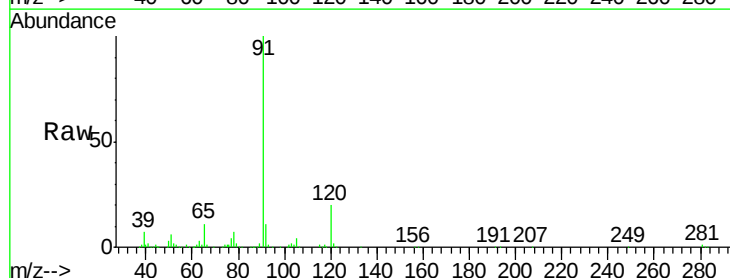
Acq: 11 Feb 2019 13:51

Tgt Ion: 91 Resp: 299664

Ion Ratio Lower Upper

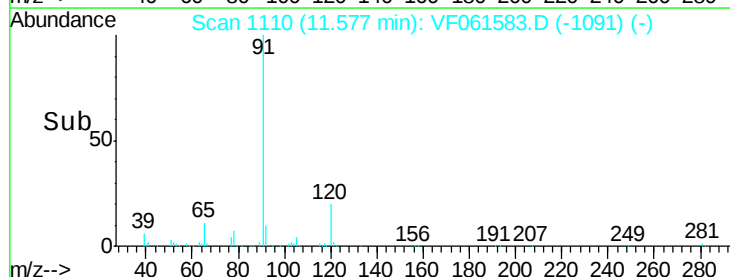
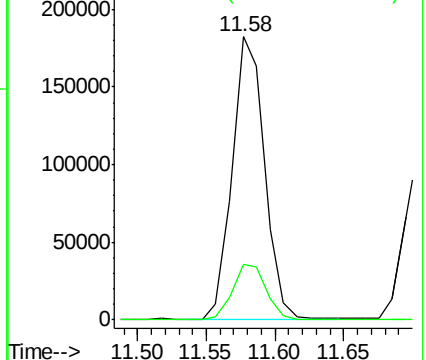
91 100

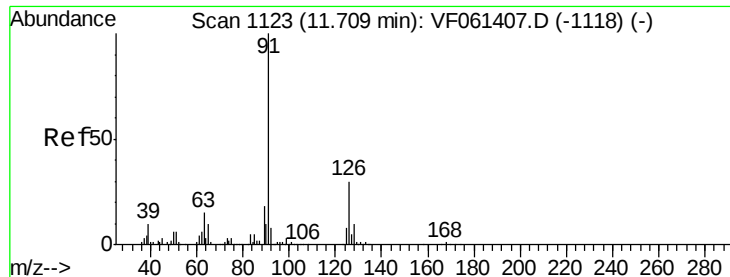
120 19.8 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

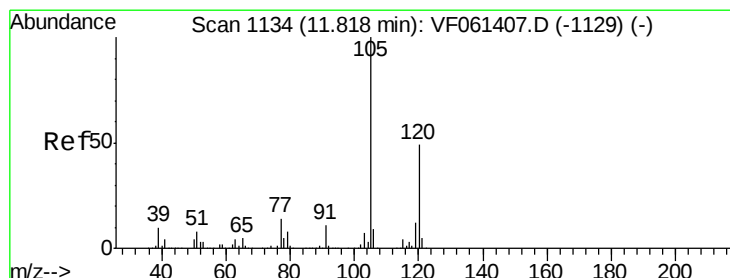
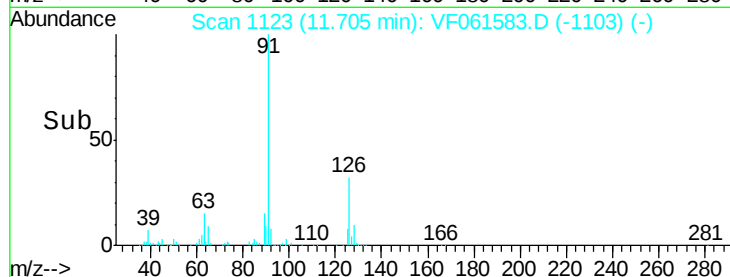
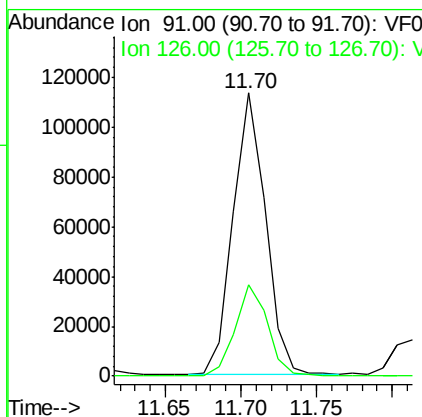
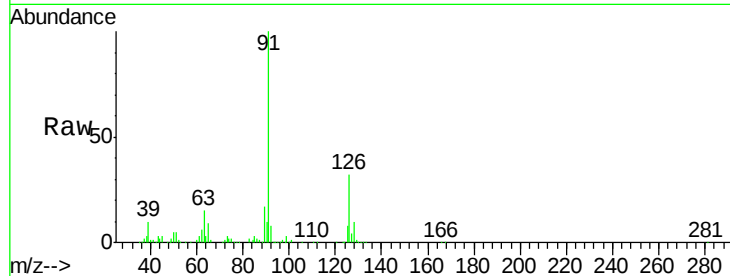




#79
 2-Chlorotoluene
 Concen: 21.388 ug/l
 RT: 11.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

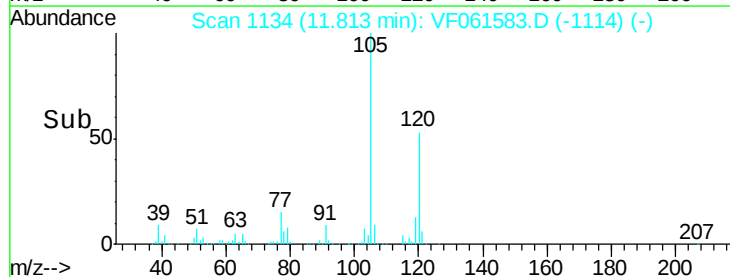
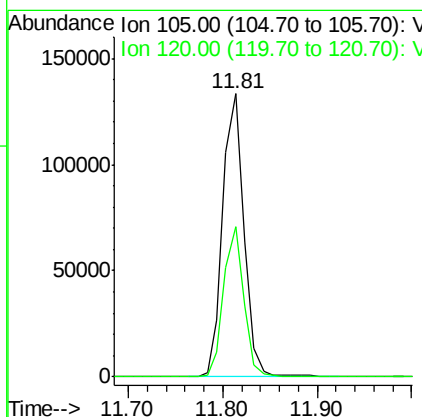
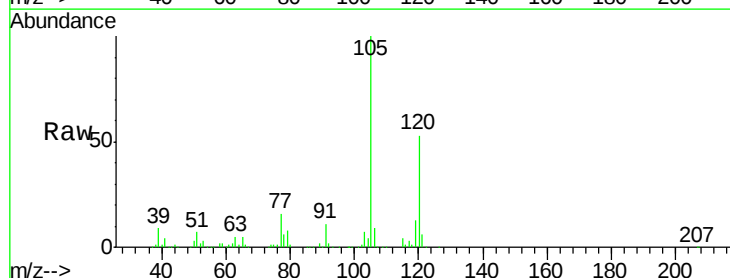
Instrument :
 MSVOA_F
 ClientSampleId :

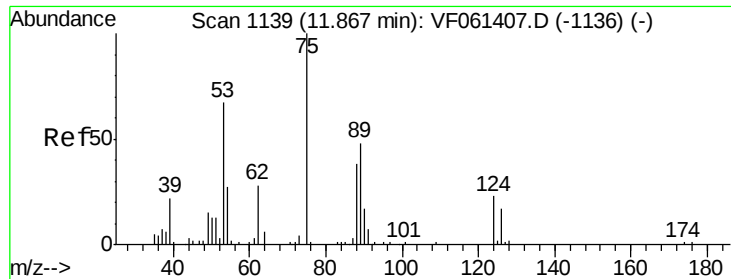
Tot Ion: 91 Resp: 169241
 Ion Ratio Lower Upper
 91 100
 126 32.2 15.0 45.1



#80
 1,3,5-Trimethylbenzene
 Concen: 22.577 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.00 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Tgt Ion: 105 Resp: 207791
 Ion Ratio Lower Upper
 105 100
 120 53.1 24.7 74.1

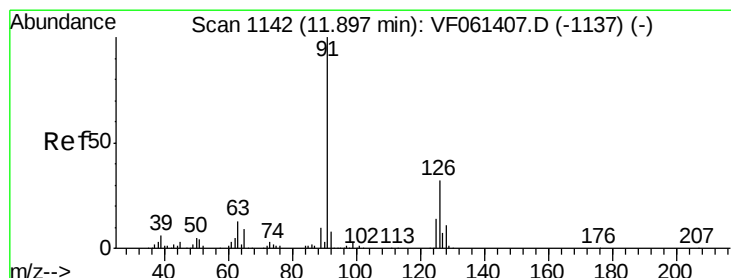
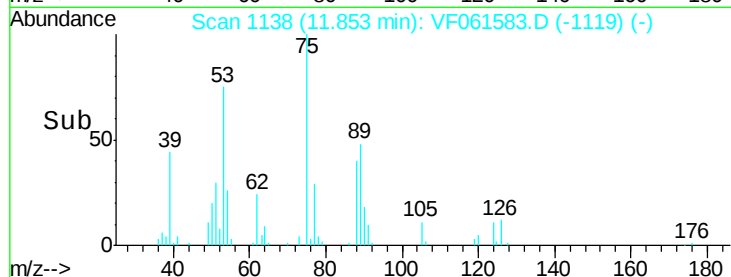
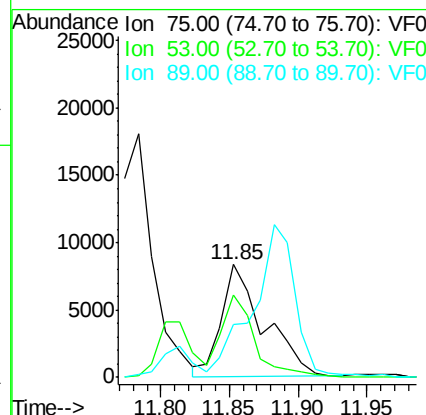
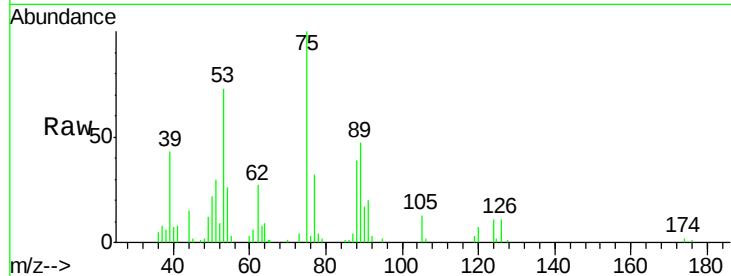




#81
trans-1,4-Dichloro-2-butene
Concen: 27.910 ug/l
RT: 11.85 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

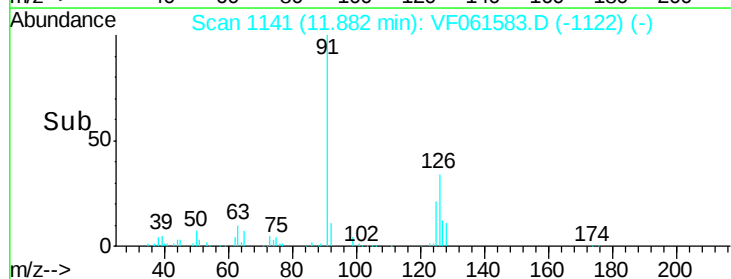
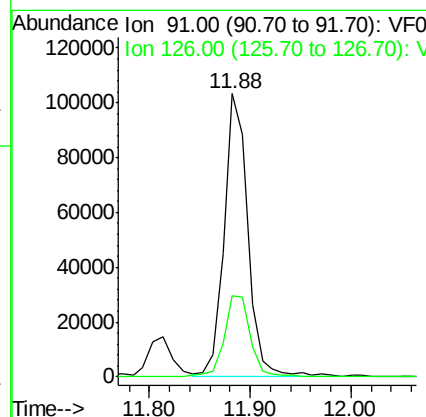
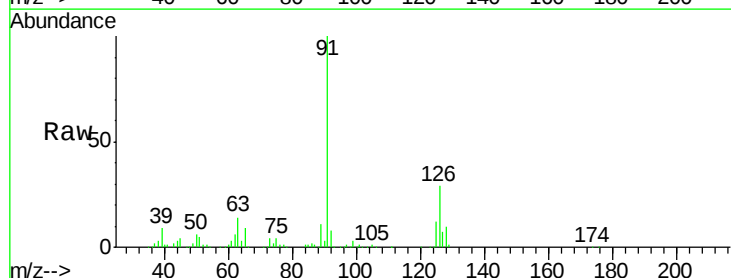
Instrument :
MSVOA_F
ClientSampleId :

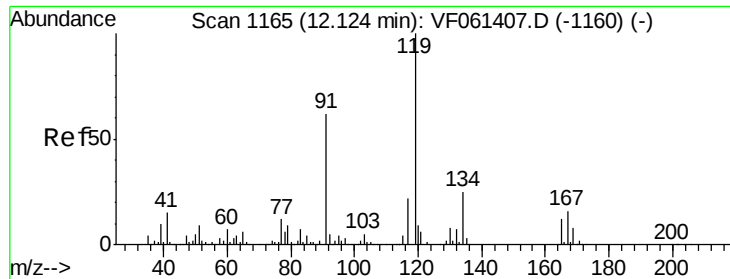
Tot Ion: 75 Resp: 17712
Ion Ratio Lower Upper
75 100
53 73.5 57.8 86.6
89 47.2 40.7 61.1



#82
4-Chlorotoluene
Concen: 20.989 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion: 91 Resp: 167595
Ion Ratio Lower Upper
91 100
126 28.5 16.0 47.9





#83

tert-Butylbenzene

Concen: 22.882 ug/l

RT: 12.12 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VF061583.D

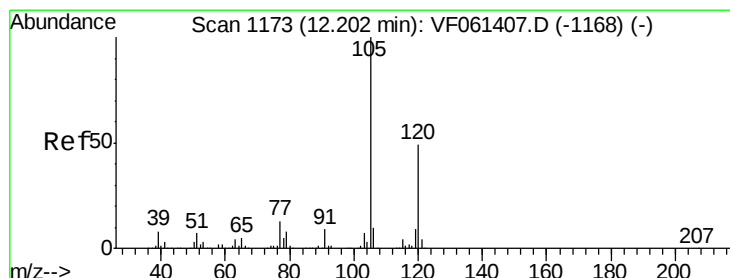
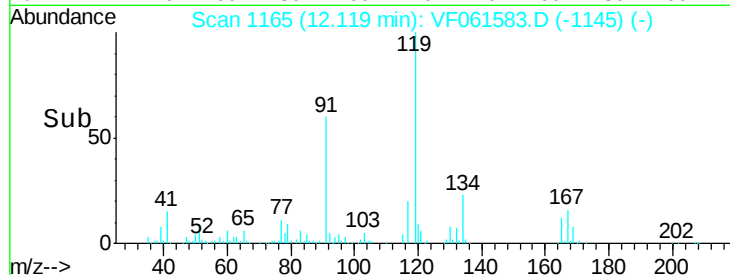
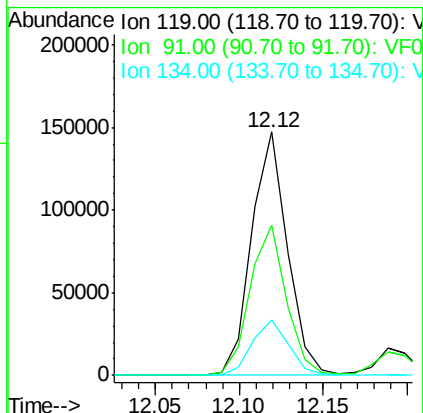
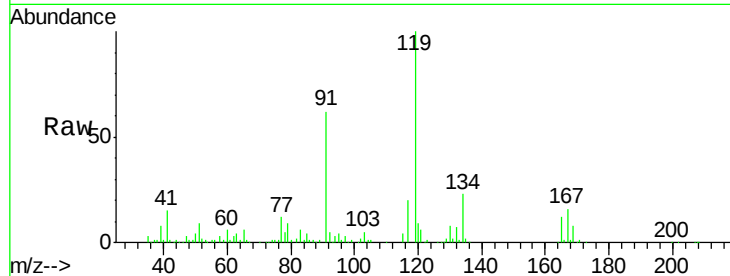
Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:119	Resp:	217968
Ion Ratio	Lower	Upper
119	100	
91	61.8	31.3 93.8
134	22.9	12.4 37.0



#84

1,2,4-Trimethylbenzene

Concen: 21.898 ug/l

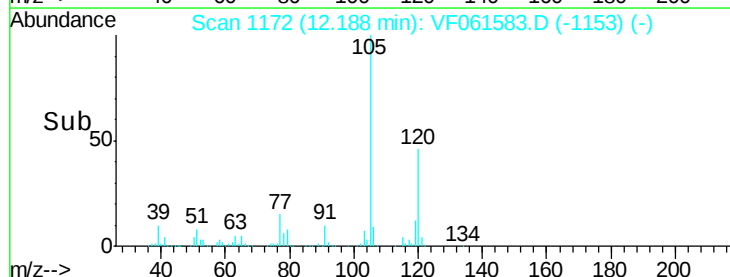
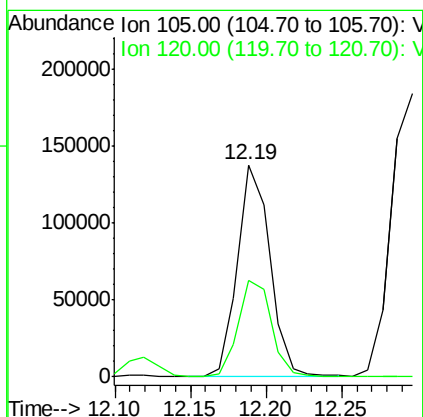
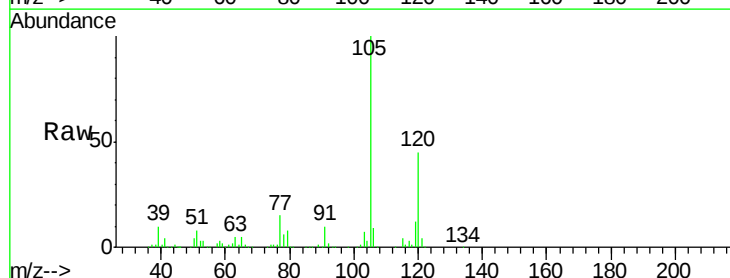
RT: 12.19 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Tgt Ion:105	Resp:	207596
Ion Ratio	Lower	Upper
105	100	
120	45.4	24.9 74.6





#85

sec-Butylbenzene

Concen: 21.853 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

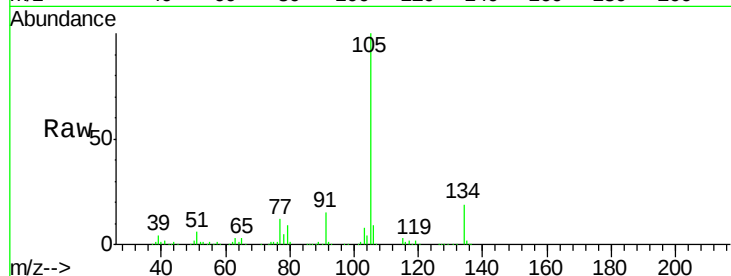
ClientSampleId :

Tot Ion:105 Resp: 282702

Ion Ratio Lower Upper

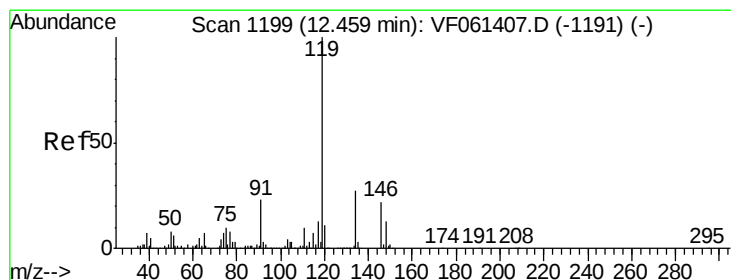
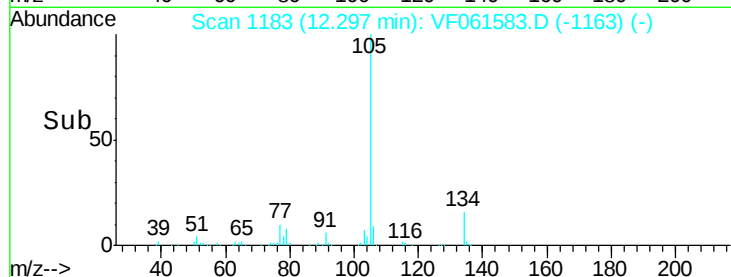
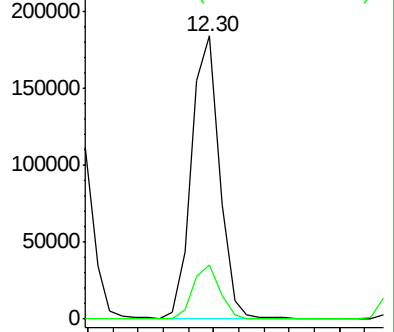
105 100

134 19.0 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.407 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

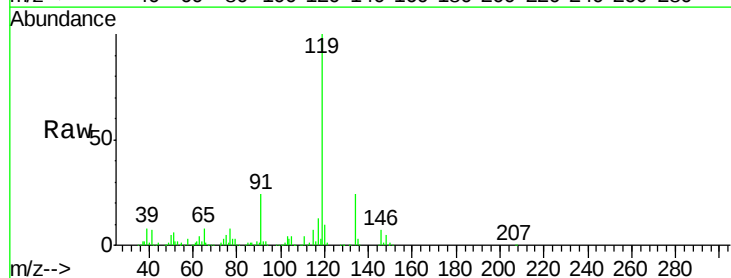
Tgt Ion:119 Resp: 237947

Ion Ratio Lower Upper

119 100

134 24.3 13.4 40.2

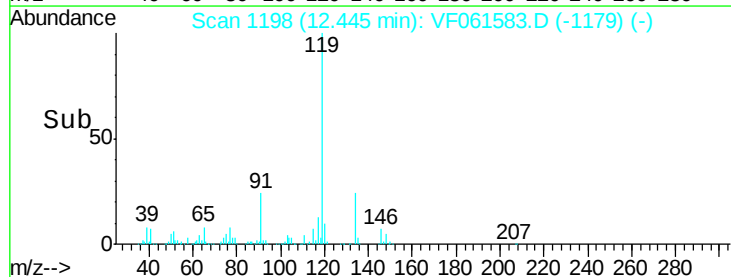
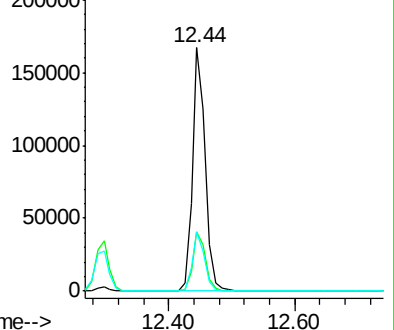
91 24.2 11.4 34.2

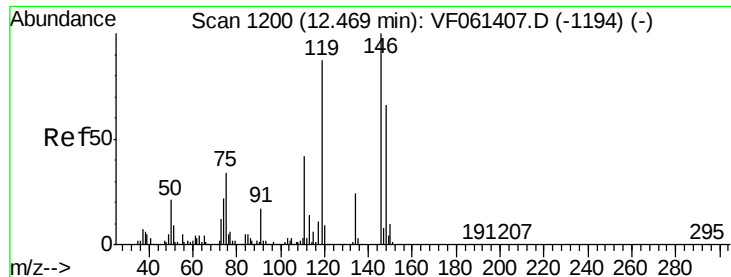


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

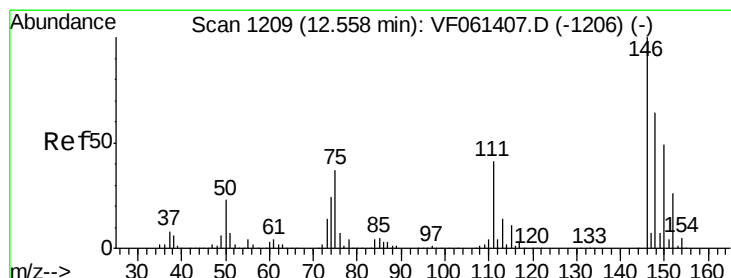
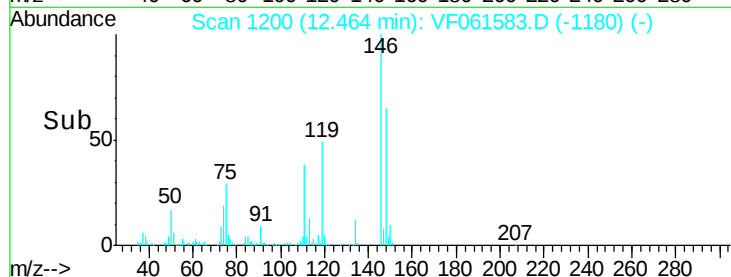
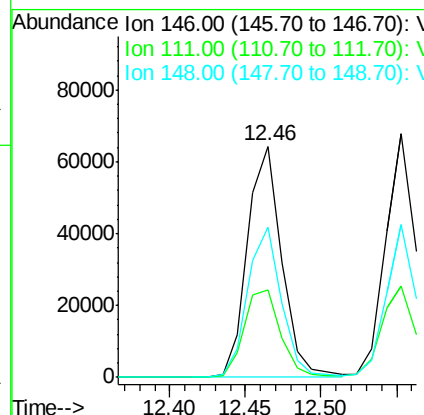
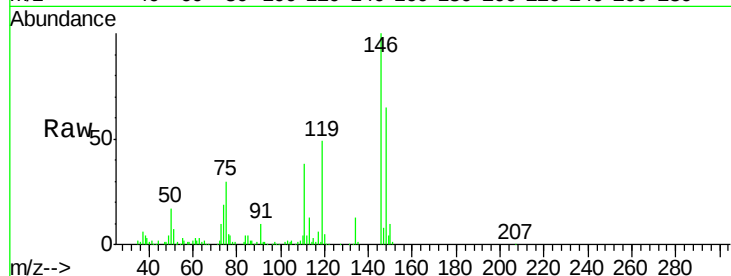




#87
 1,3-Dichlorobenzene
 Concen: 20.164 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

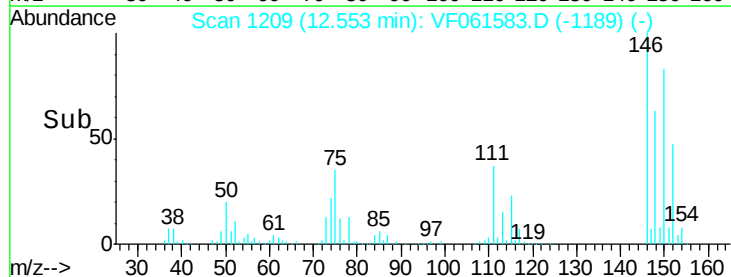
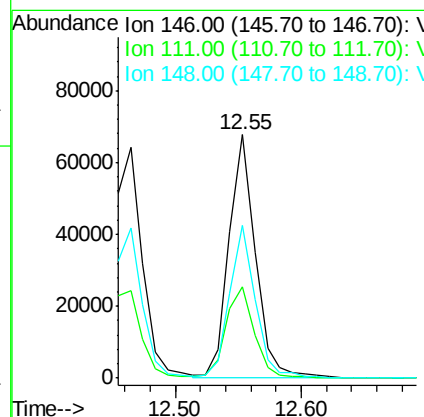
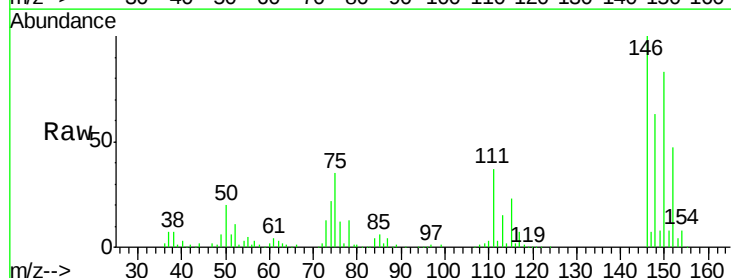
Instrument :
 MSVOA_F
 ClientSampled :

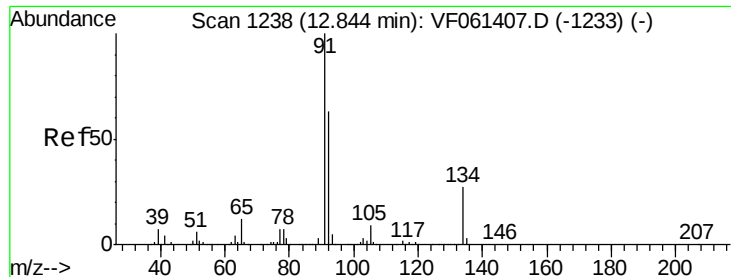
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	21.1	63.4
148	65.0	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 21.602 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	20.8	62.2
148	62.8	32.1	96.5





#89

n-Butylbenzene

Concen: 22.258 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampled :

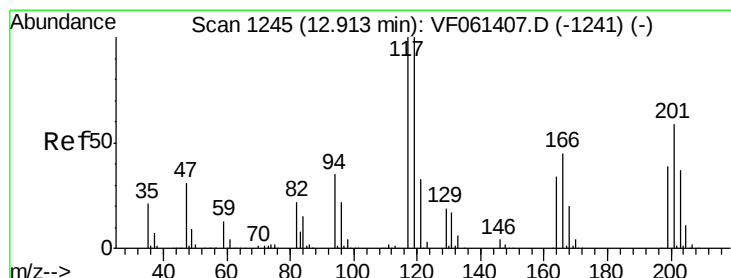
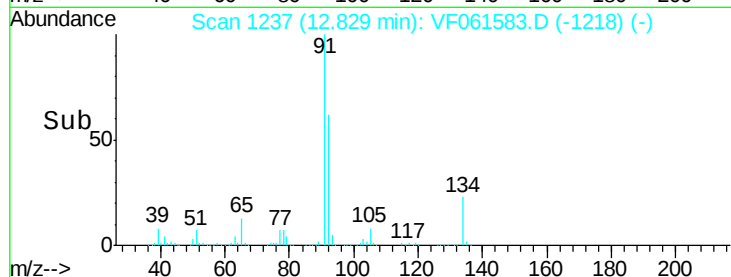
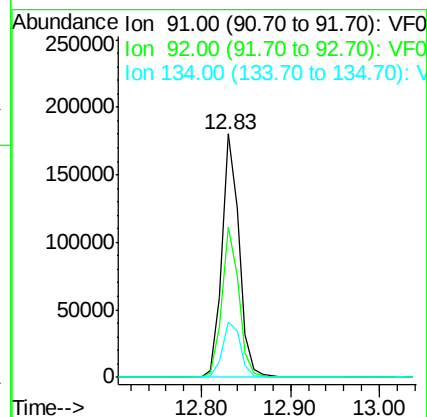
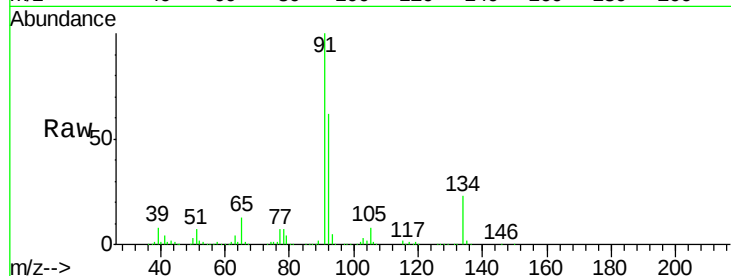
Tot Ion: 91 Resp: 243767

Ion Ratio Lower Upper

91 100

92 61.5 31.6 94.7

134 22.7 13.6 40.8



#90

Hexachloroethane

Concen: 23.111 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VF061583.D

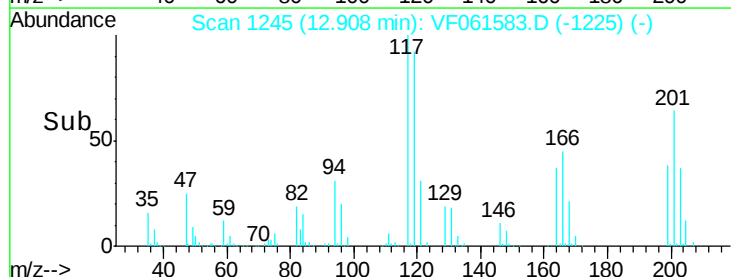
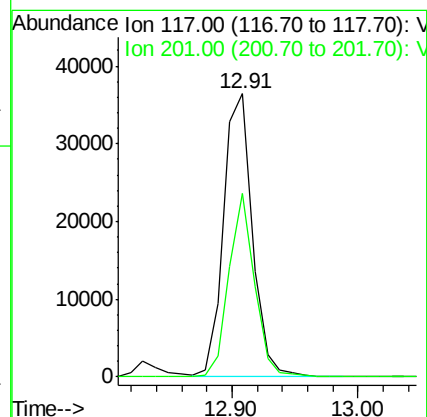
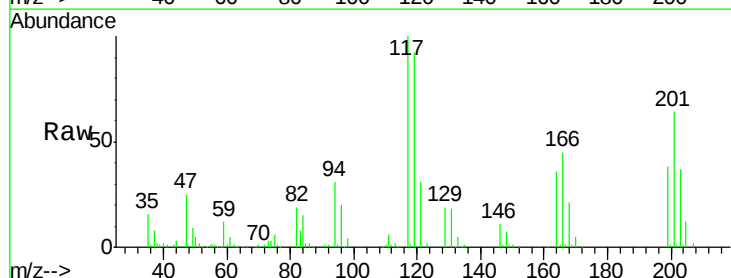
Acq: 11 Feb 2019 13:51

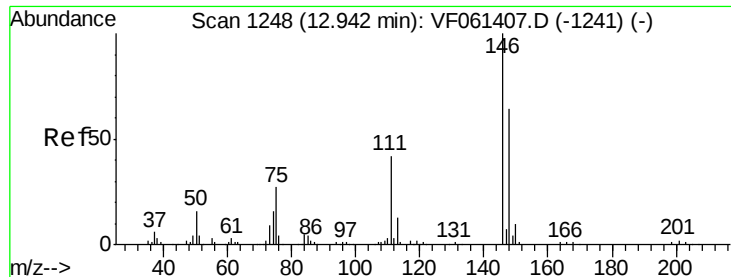
Tgt Ion: 117 Resp: 57852

Ion Ratio Lower Upper

117 100

201 64.8 29.3 87.8





#91

1,2-Dichlorobenzene

Concen: 20.958 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

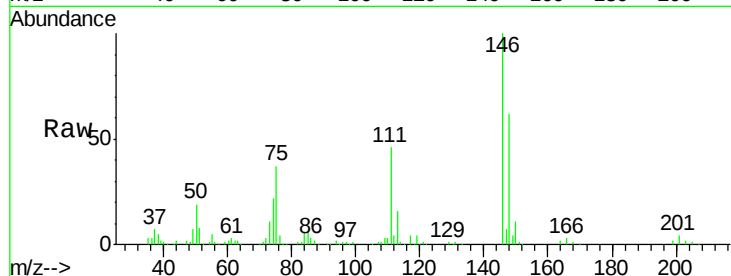
Tot Ion:146 Resp: 94426

Ion Ratio Lower Upper

146 100

111 45.6 21.1 63.3

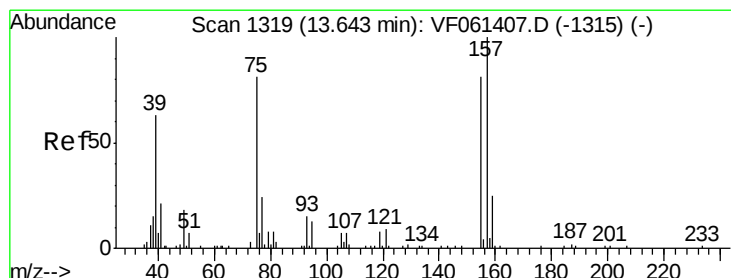
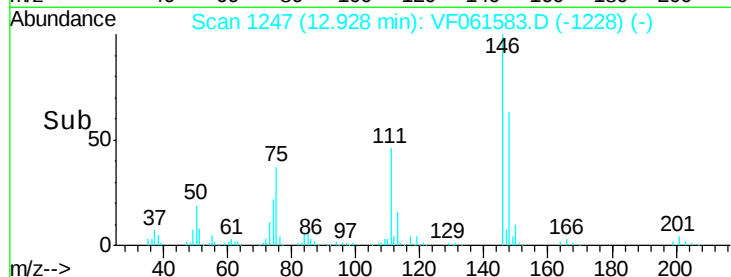
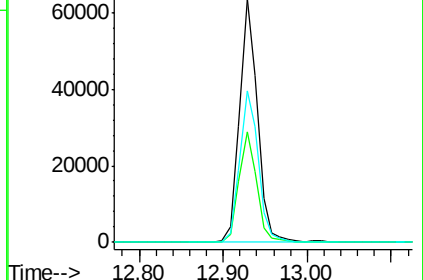
148 62.4 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.026 ug/l

RT: 13.63 min Scan# 1318

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

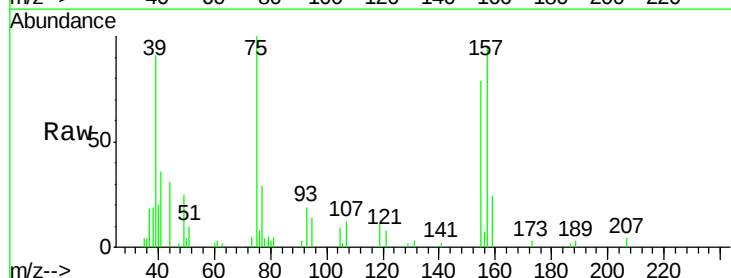
Tgt Ion: 75 Resp: 6856

Ion Ratio Lower Upper

75 100

155 78.7 49.7 149.1

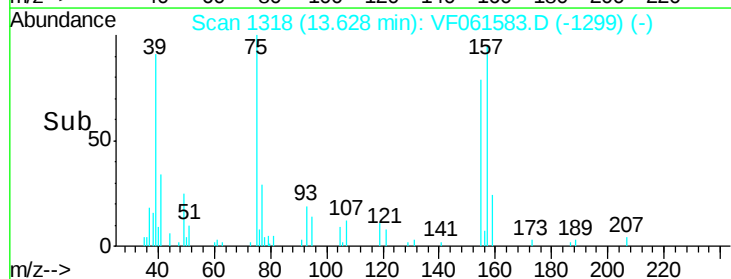
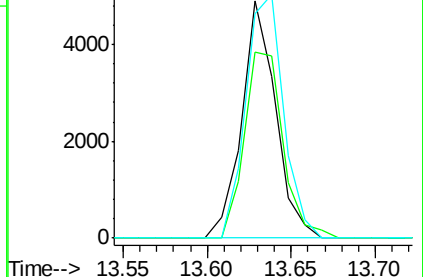
157 94.6 61.4 184.1

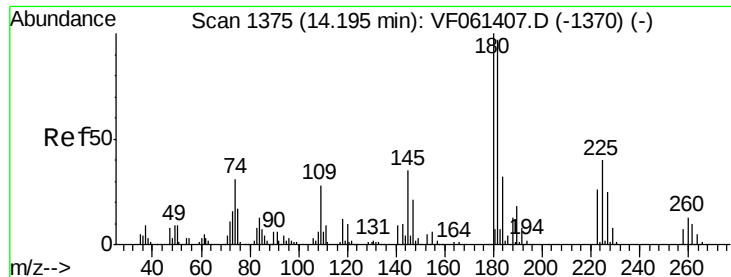


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

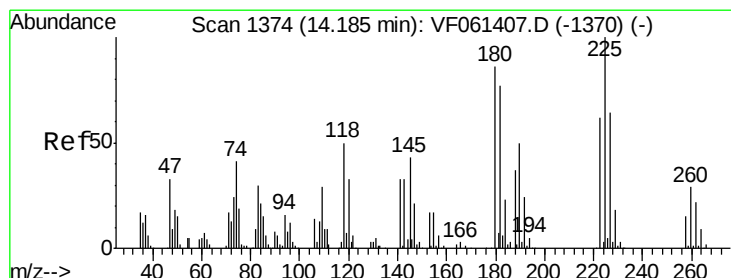
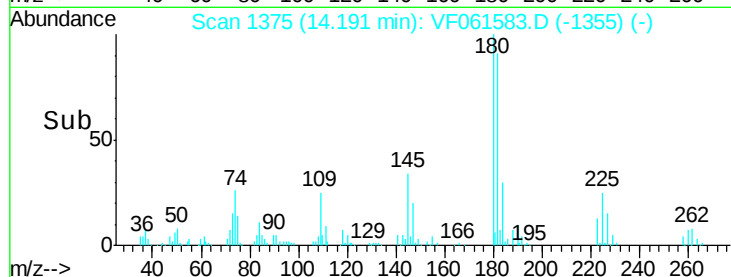
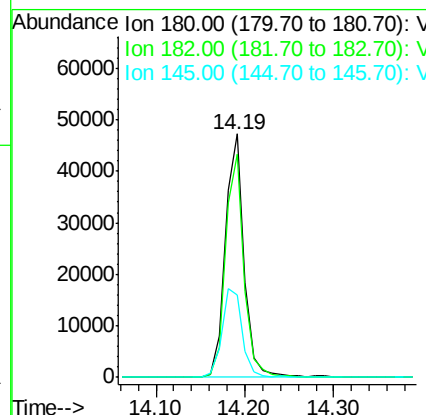
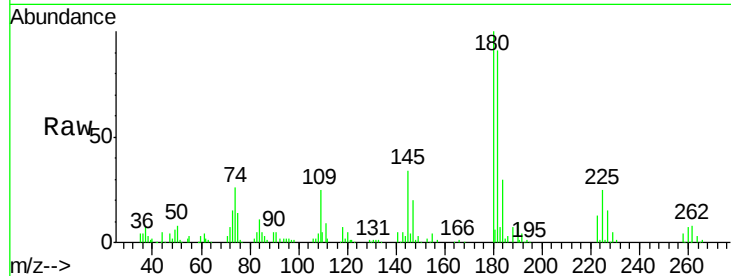




#93
 1,2,4-Trichlorobenzene
 Concen: 22.104 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

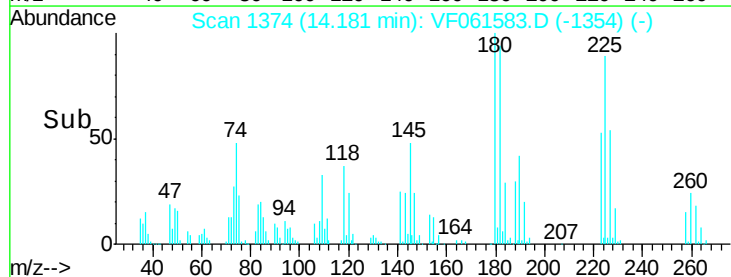
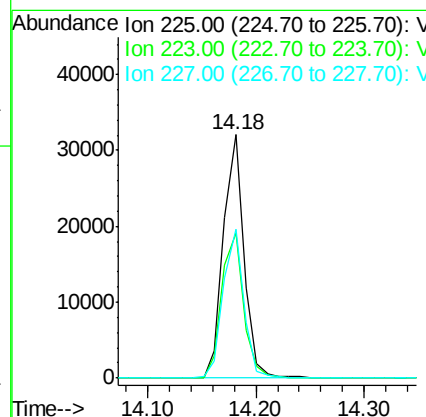
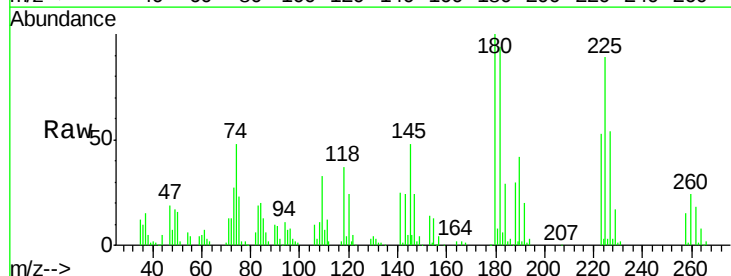
Instrument :
 MSVOA_F
 ClientSampleId :

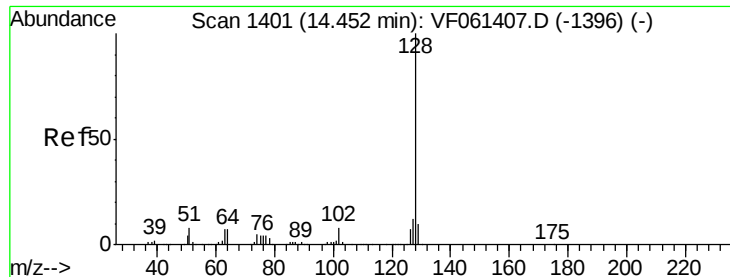
Tot Ion:180 Resp: 69764
 Ion Ratio Lower Upper
 180 100
 182 91.5 48.5 145.6
 145 33.6 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 21.707 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Tgt Ion:225 Resp: 42513
 Ion Ratio Lower Upper
 225 100
 223 59.4 31.1 93.2
 227 61.3 32.2 96.6

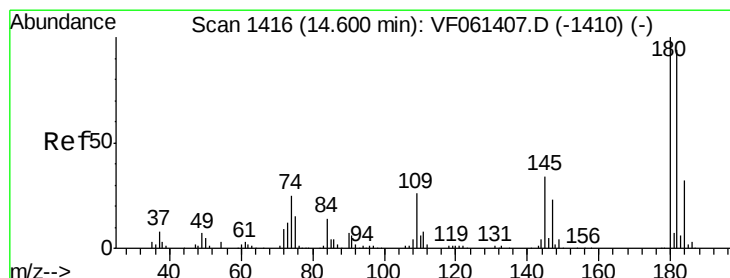
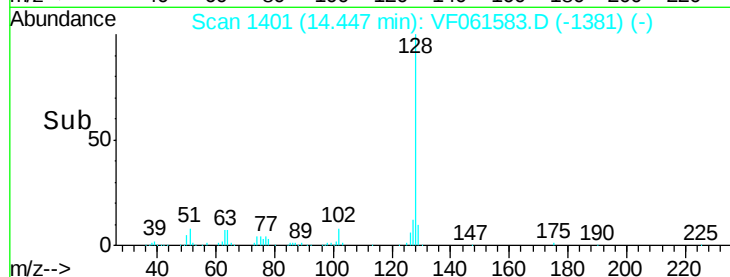
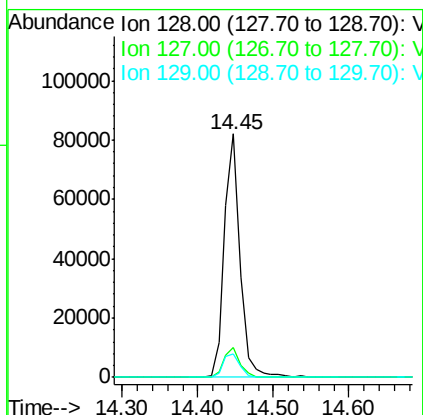
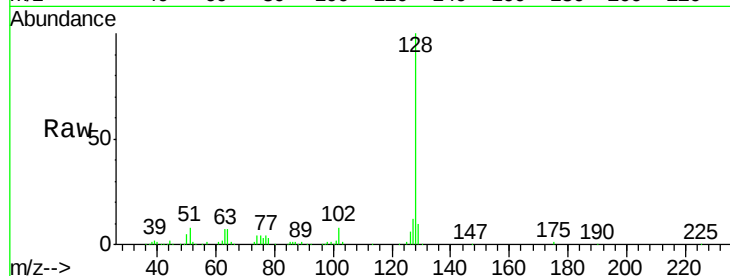




#95
Naphthalene
Concen: 19.863 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:128 Resp: 119109
Ion Ratio Lower Upper
128 100
127 12.4 9.5 14.3
129 9.8 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 20.404 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion:180 Resp: 59615
Ion Ratio Lower Upper
180 100
182 96.7 47.0 141.2
145 32.8 17.1 51.2

