

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF012819\
 Data File : VF061536.D
 Acq On : 28 Jan 2019 12:44
 Operator : VA/AP
 Sample : VF0128SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Quant Time: Jan 29 03:53:48 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	207449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	375583	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	318528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	150862	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	118493	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
35) Dibromofluoromethane	4.10	113	144634	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	7.54	98	385477	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
62) 4-Bromofluorobenzene	11.40	95	165729	43.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	70038	17.183	ug/l	93
3) Chloromethane	1.10	50	61380	20.537	ug/l	98
4) Vinyl Chloride	1.14	62	53056	19.956	ug/l	96
5) Bromomethane	1.32	94	32426	18.704	ug/l	94
6) Chloroethane	1.39	64	24873	21.114	ug/l #	87
7) Trichlorofluoromethane	1.46	101	68981	13.346	ug/l	95
8) Diethyl Ether	1.63	74	13106	19.790	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.84	101	49095	19.769	ug/l	89
10) Methyl Iodide	1.85	142	17409	4.522	ug/l	94
11) Tert butyl alcohol	2.56	59	9939	91.678	ug/l	96
12) 1,1-Dichloroethene	1.80	96	29154	15.801	ug/l	86
13) Acrolein	1.99	56	8020	92.671	ug/l	85
14) Allyl chloride	2.09	41	56756	26.819	ug/l	93
15) Acrylonitrile	2.93	53	30118	108.456	ug/l	95
16) Acetone	2.23	43	63314	123.224	ug/l #	92
17) Carbon Disulfide	1.82	76	83686	14.547	ug/l	99
18) Methyl Acetate	2.34	43	21450	21.051	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	76403	18.472	ug/l	95
20) Methylene Chloride	2.17	84	14823	6.987	ug/l	92
21) trans-1,2-Dichloroethene	2.30	96	40849	20.123	ug/l	96
22) Diisopropyl ether	2.79	45	138628	21.113	ug/l	93
23) Vinyl Acetate	3.18	43	323978	113.941	ug/l	100
24) 1,1-Dichloroethane	2.86	63	79502	19.292	ug/l	98
25) 2-Butanone	4.32	43	98856	115.696	ug/l	100
26) 2,2-Dichloropropane	3.58	77	46991	18.560	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	58159	19.409	ug/l	96
28) Bromochloromethane	3.71	49	36960	19.953	ug/l #	90
29) Tetrahydrofuran	4.07	42	38797	105.450	ug/l	97
30) Chloroform	3.85	83	111128	19.982	ug/l	98
31) Cyclohexane	3.67	56	53395	12.971	ug/l	90
32) 1,1,1-Trichloroethane	4.08	97	73358	17.989	ug/l	95
36) 1,1-Dichloropropene	4.26	75	82712	18.994	ug/l	98
37) Ethyl Acetate	4.10	43	38676	22.218	ug/l #	80
38) Carbon Tetrachloride	3.98	117	62756	16.484	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	88349	18.721	ug/l	96
40) Benzene	4.62	78	194502	20.073	ug/l	99
41) Methacrylonitrile	4.74	41	19271	20.806	ug/l #	94
42) 1,2-Dichloroethane	4.93	62	56570	16.383	ug/l	98
43) Isopropyl Acetate	6.95	43	41930	19.192	ug/l #	91
44) Trichloroethene	5.50	130	61383	20.650	ug/l	98
45) 1,2-Dichloropropane	6.23	63	49330	19.397	ug/l	98
46) Dibromomethane	6.08	93	30119	17.811	ug/l	94
47) Bromodichloromethane	6.37	83	77059	18.418	ug/l	98
48) Methyl methacrylate	6.71	41	27119	18.485	ug/l	96
49) 1,4-Dioxane	6.70	88	4350	381.877	ug/l #	79
51) 4-Methyl-2-Pentanone	8.25	43	158555	98.720	ug/l	96
52) Toluene	7.62	92	115845	18.154	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	62764	18.892	ug/l	95
54) cis-1,3-Dichloropropene	7.29	75	77605	18.687	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	35185	19.417	ug/l	95
56) Ethyl methacrylate	8.61	69	35045	16.623	ug/l	94
57) 1,3-Dichloropropane	8.84	76	58618	17.258	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.28	63	28961	144.101	ug/l	99
59) 2-Hexanone	9.48	43	117912	105.281	ug/l	99
60) Dibromochloromethane	8.71	129	46509	17.556	ug/l	98
61) 1,2-Dibromoethane	8.98	107	35559	17.141	ug/l	98
64) Tetrachloroethene	8.14	164	45356	18.935	ug/l	97
65) Chlorobenzene	9.79	112	126262	19.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	50786	19.681	ug/l	99
67) Ethyl Benzene	9.89	91	228672	19.322	ug/l	100
68) m/p-Xylenes	10.12	106	171800	40.361	ug/l	99
69) o-Xylene	10.70	106	100559	21.798	ug/l	89
70) Styrene	10.78	104	129221	20.463	ug/l	97
71) Bromoform	10.76	173	25131	21.676	ug/l	98
73) Isopropylbenzene	11.12	105	284792	23.211	ug/l	96
74) N-amyl acetate	11.36	43	72953	25.144	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	47369	21.671	ug/l	88
76) 1,2,3-Trichloropropane	11.79	75	32655	20.791	ug/l	94
77) Bromobenzene	11.48	156	54985	21.219	ug/l	86
78) n-propylbenzene	11.59	91	331220	20.745	ug/l	98
79) 2-Chlorotoluene	11.71	91	181374	21.305	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	219882	22.206	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	20087	29.420	ug/l	96
82) 4-Chlorotoluene	11.89	91	183880	21.404	ug/l	98
83) tert-Butylbenzene	12.12	119	229389	22.382	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	225498	22.109	ug/l	94
85) sec-Butylbenzene	12.30	105	318728	22.900	ug/l	98
86) p-Isopropyltoluene	12.45	119	261527	22.890	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	111282	20.450	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	103385	21.113	ug/l	97
89) n-Butylbenzene	12.83	91	271304	23.025	ug/l	96
90) Hexachloroethane	12.91	117	62786	23.313	ug/l	100
91) 1,2-Dichlorobenzene	12.93	146	102042	21.051	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8066	20.805	ug/l	70

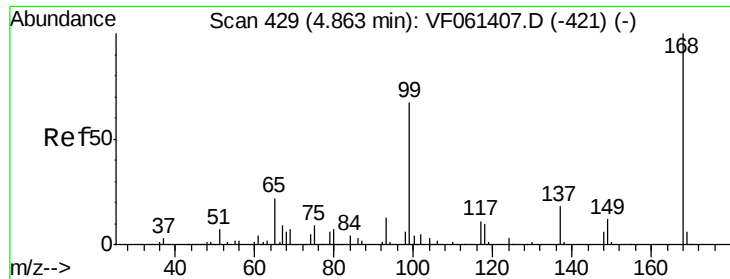
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	70150	20.658	ug/l	98
94) Hexachlorobutadiene	14.19	225	43660	20.720	ug/l	97
95) Naphthalene	14.45	128	124883	19.357	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	60959	19.392	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

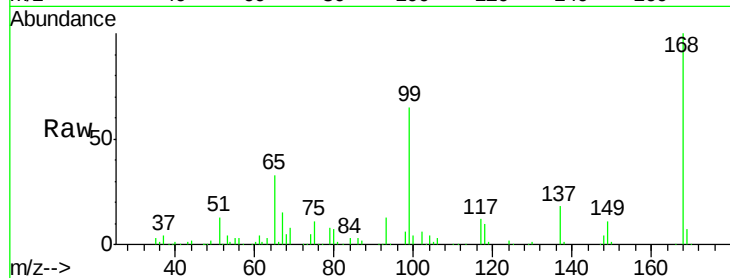
VF0128SBS01

Tot Ion:168 Resp: 207449

Ion Ratio Lower Upper

168 100

99 65.3 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

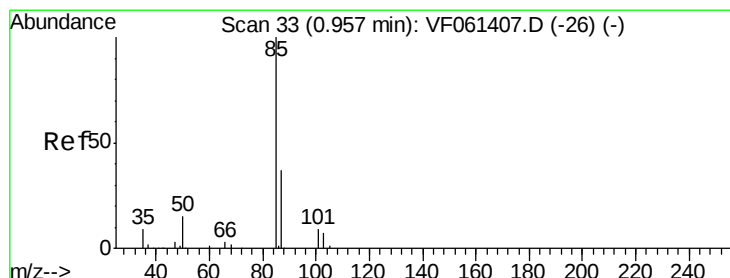
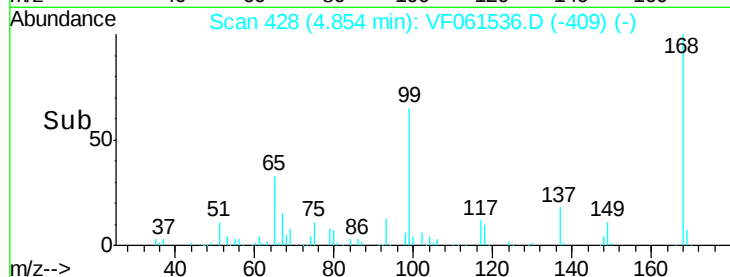
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 17.183 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061536.D

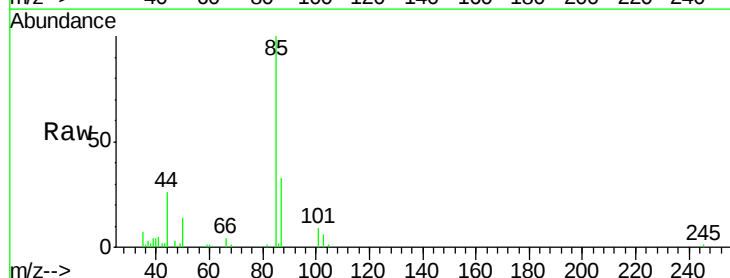
Acq: 28 Jan 2019 12:44

Tgt Ion: 85 Resp: 70038

Ion Ratio Lower Upper

85 100

87 32.7 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

15000

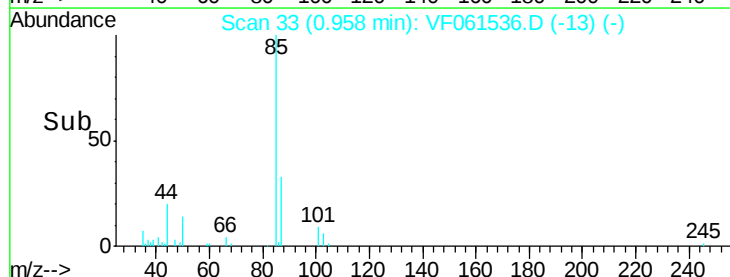
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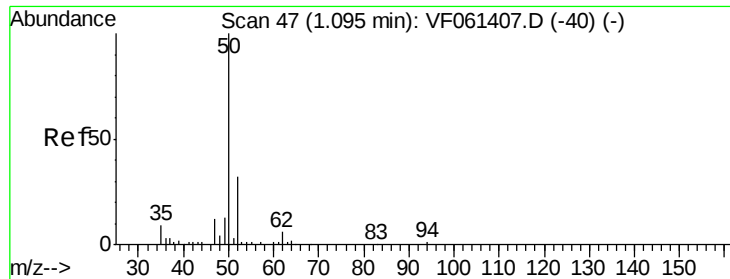
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 20.537 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

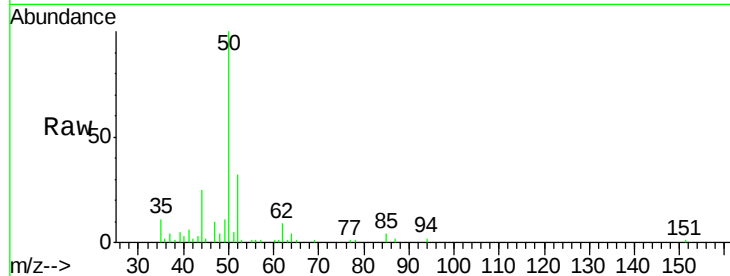
VF0128SBS01

Tot Ion: 50 Resp: 61380

Ion Ratio Lower Upper

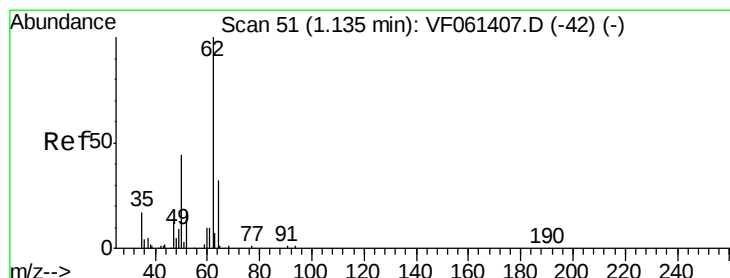
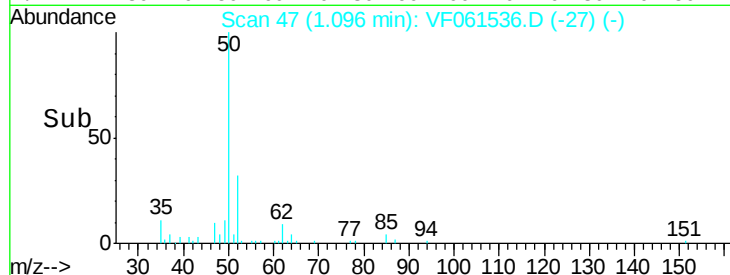
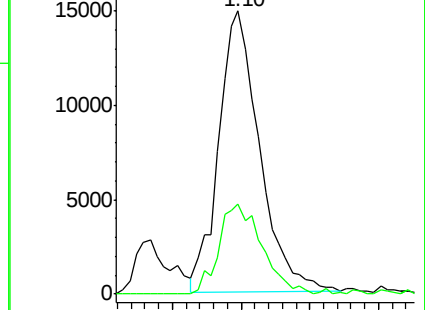
50 100

52 31.6 24.6 36.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 19.956 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061536.D

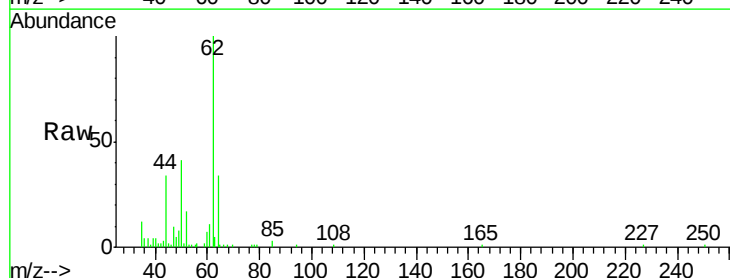
Acq: 28 Jan 2019 12:44

Tgt Ion: 62 Resp: 53056

Ion Ratio Lower Upper

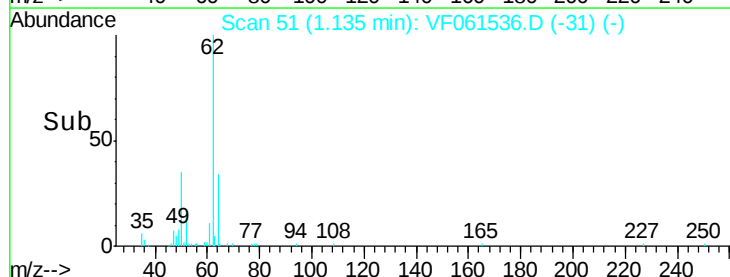
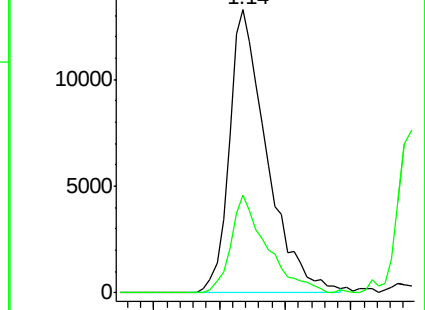
62 100

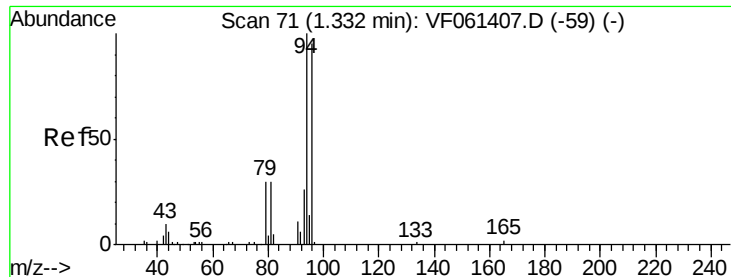
64 34.3 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 18.704 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

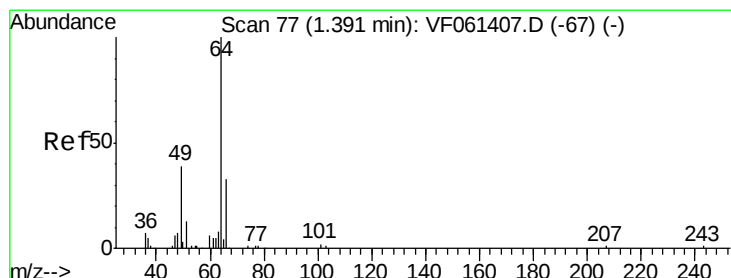
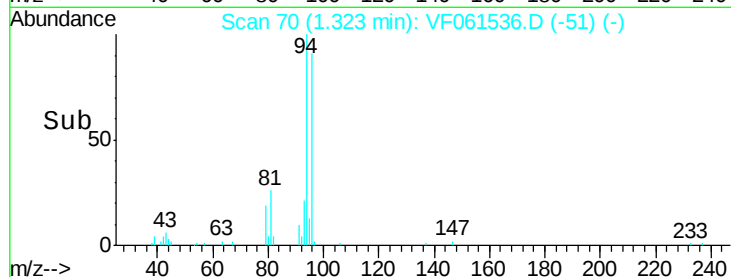
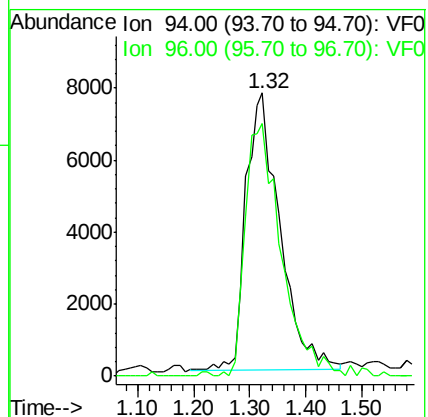
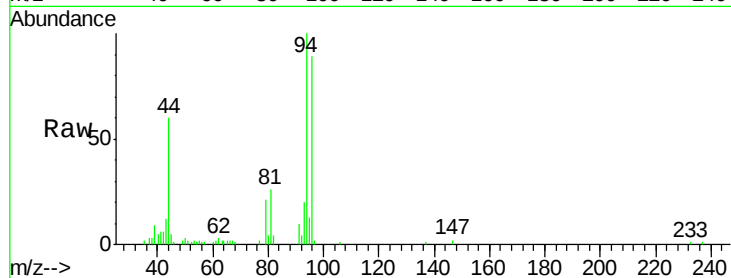
VF0128SBS01

Tot Ion: 94 Resp: 32426

Ion Ratio Lower Upper

94 100

96 89.5 76.0 114.0



#6

Chloroethane

Concen: 21.114 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF061536.D

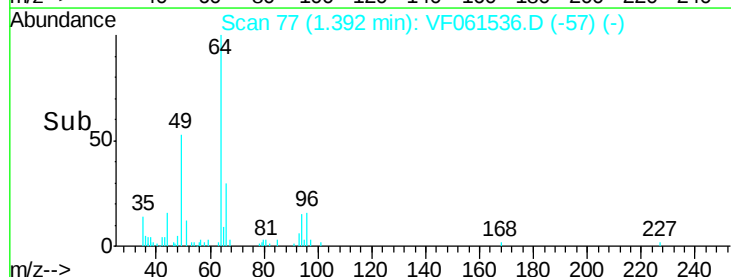
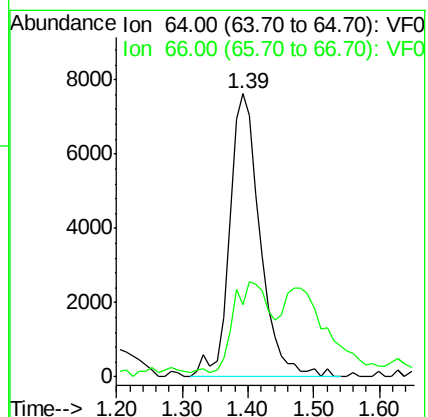
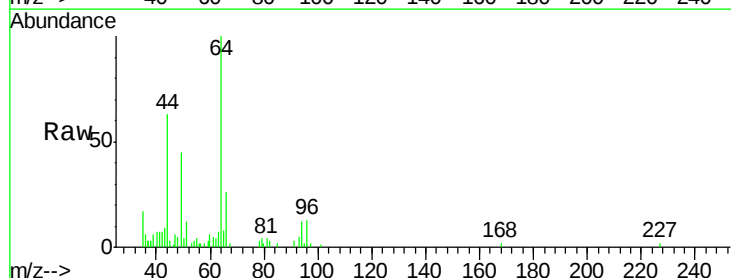
Acq: 28 Jan 2019 12:44

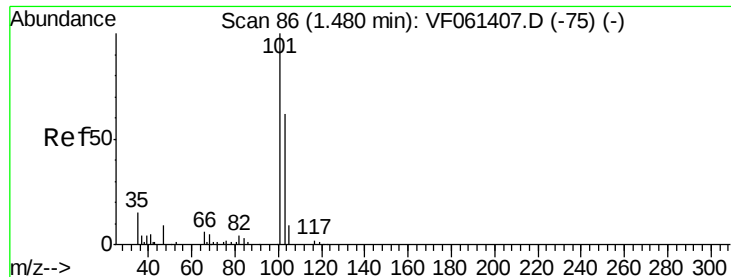
Tgt Ion: 64 Resp: 24873

Ion Ratio Lower Upper

64 100

66 25.7 26.6 40.0#





#7

Trichlorofluoromethane

Concen: 13.346 ug/l

RT: 1.46 min Scan# 84

Delta R.T. -0.02 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

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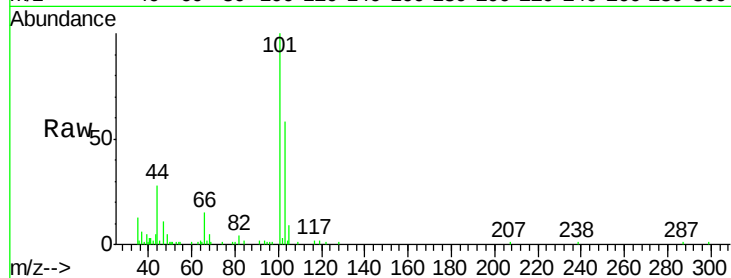
VF0128SBS01

Tot Ion:101 Resp: 68981

Ion Ratio Lower Upper

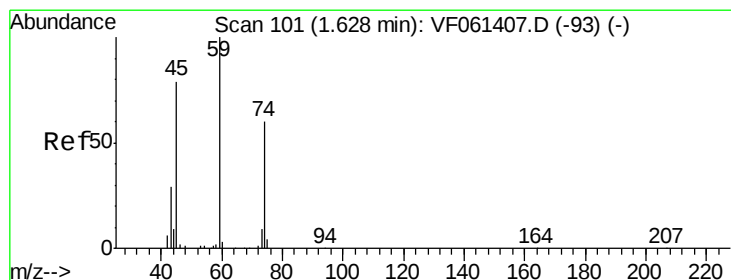
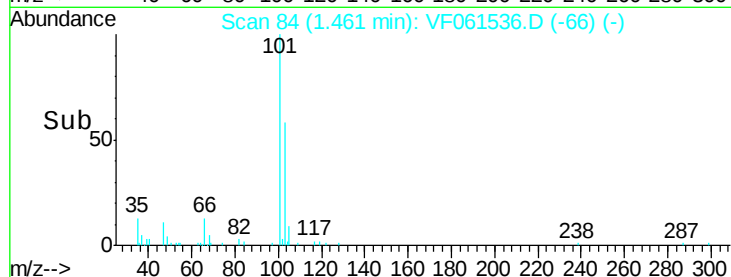
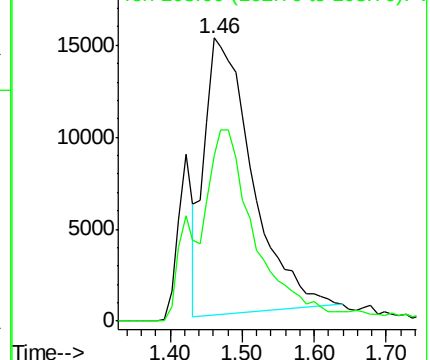
101 100

103 58.5 49.7 74.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 19.790 ug/l

RT: 1.63 min Scan# 101

Delta R.T. 0.00 min

Lab File: VF061536.D

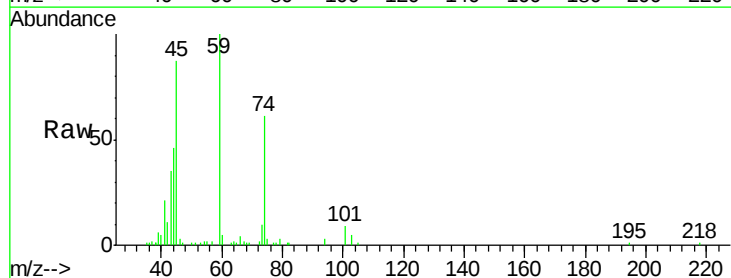
Acq: 28 Jan 2019 12:44

Tgt Ion: 74 Resp: 13106

Ion Ratio Lower Upper

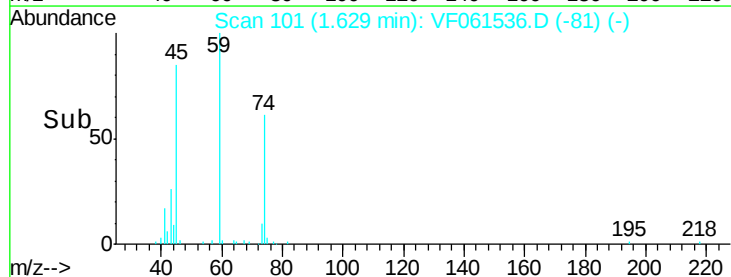
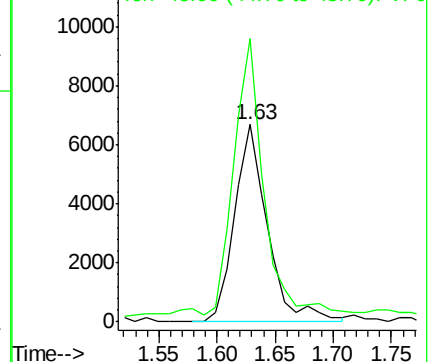
74 100

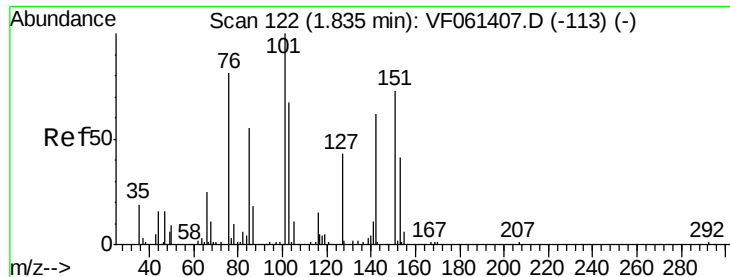
45 143.4 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.769 ug/l

RT: 1.84 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

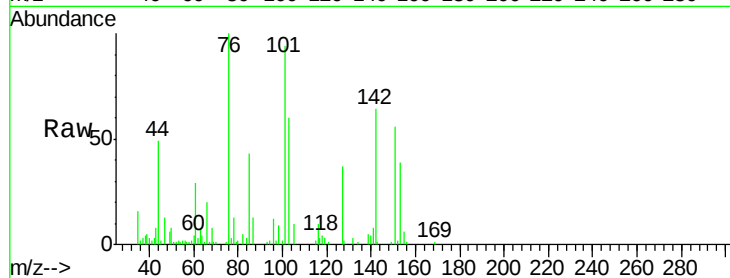
Tot Ion:101 Resp: 49095

Ion Ratio Lower Upper

101 100

85 45.9 41.9 62.9

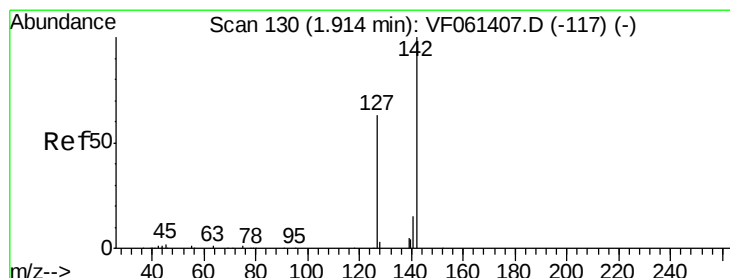
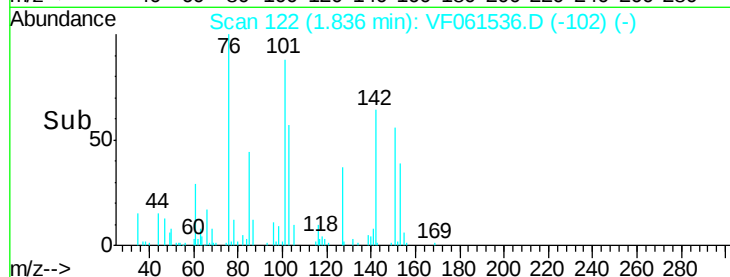
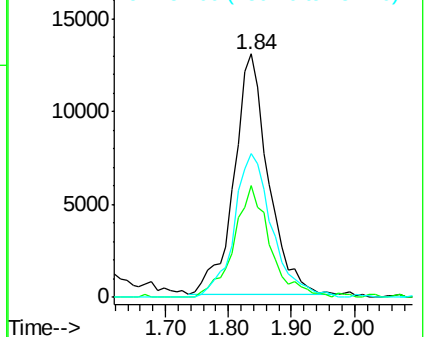
151 59.3 55.1 82.7



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: 4.522 ug/l

RT: 1.85 min Scan# 123

Delta R.T. -0.07 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

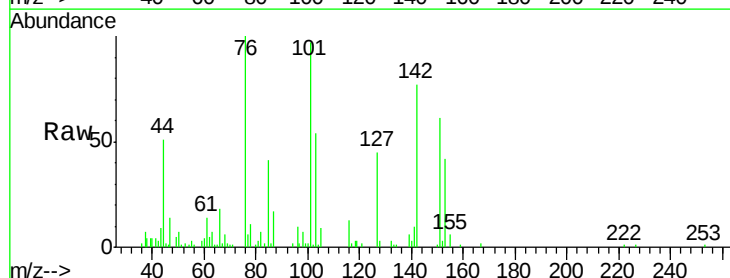
Tgt Ion:142 Resp: 17409

Ion Ratio Lower Upper

142 100

127 58.0 50.7 76.1

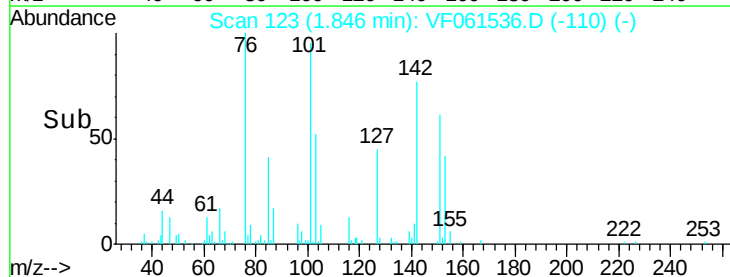
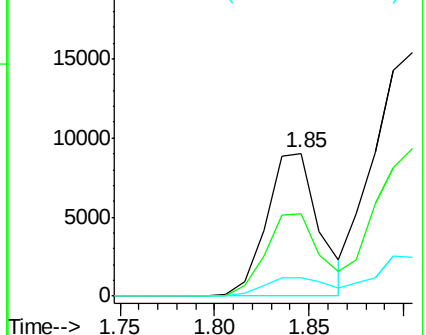
141 12.9 11.8 17.6

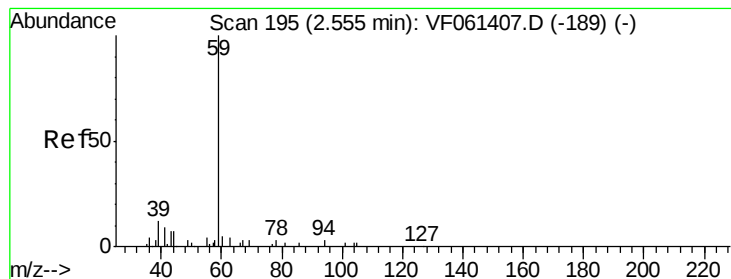


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



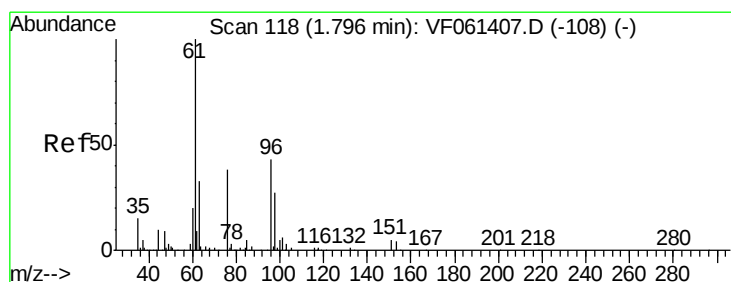
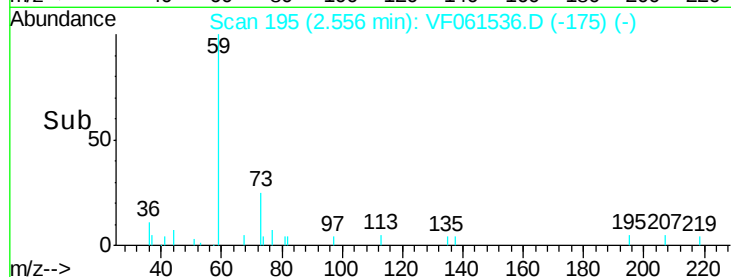
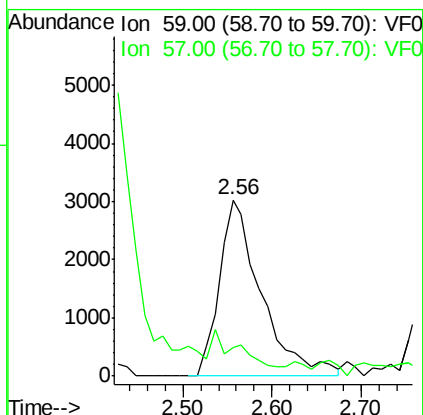
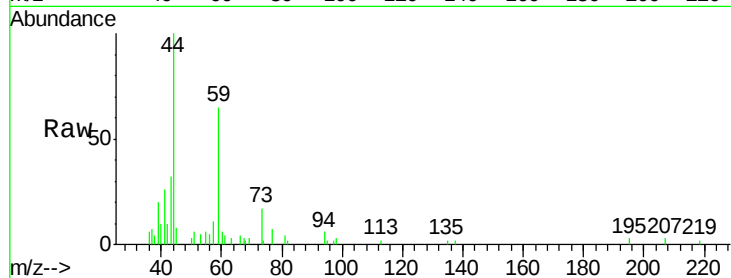


#11

Tert butyl alcohol
Concen: 91.678 ug/l
RT: 2.56 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampled :
VF0128SBS01

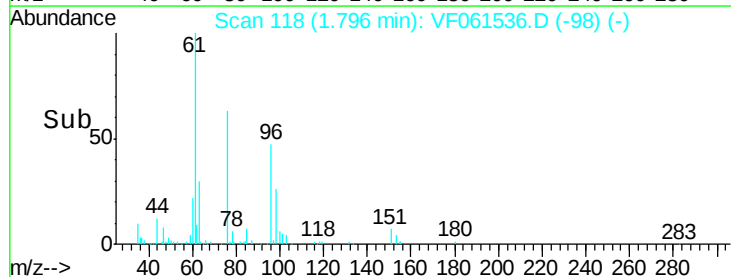
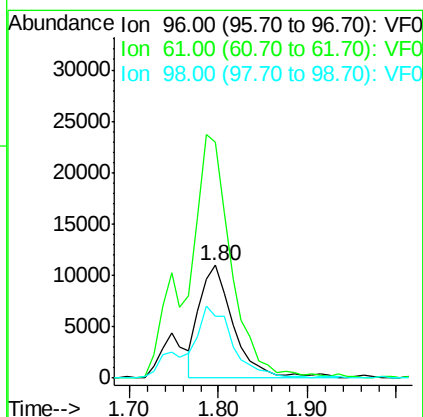
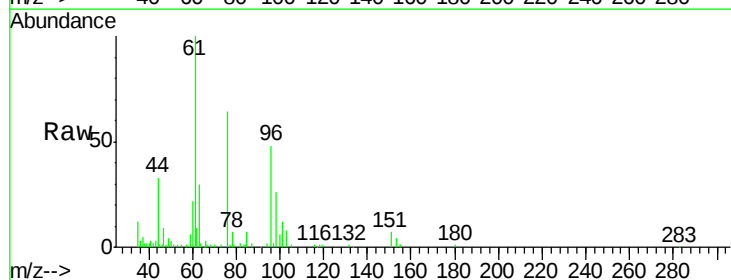
Tot Ion: 59 Resp: 9939
Ion Ratio Lower Upper
59 100
57 16.6 11.9 17.9

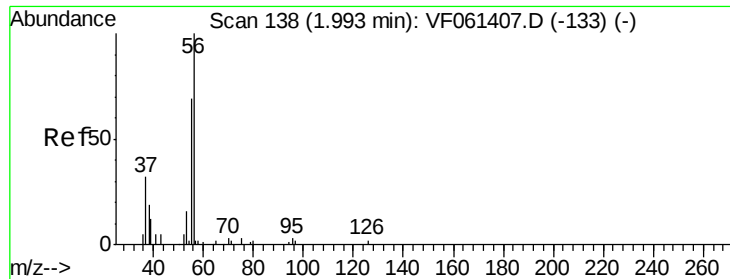


#12

1,1-Dichloroethene
Concen: 15.801 ug/l
RT: 1.80 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion: 96 Resp: 29154
Ion Ratio Lower Upper
96 100
61 210.0 186.9 280.3
98 54.4 53.0 79.4

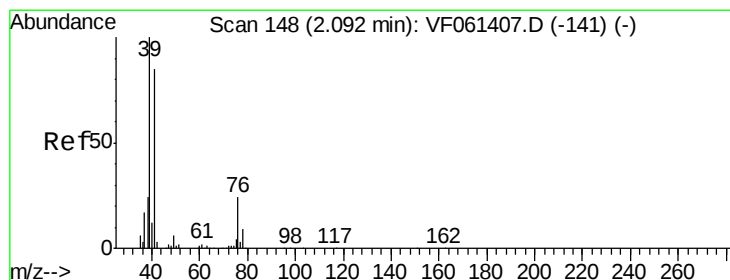
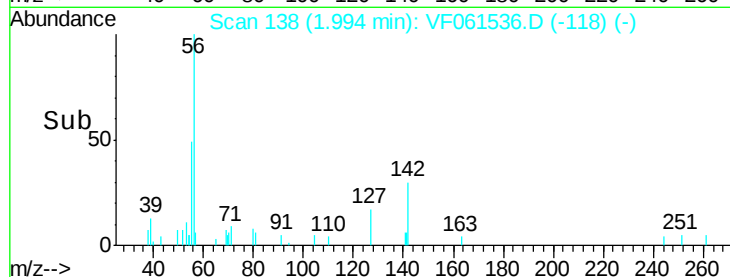
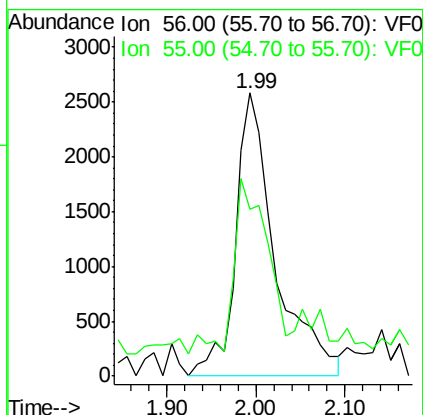
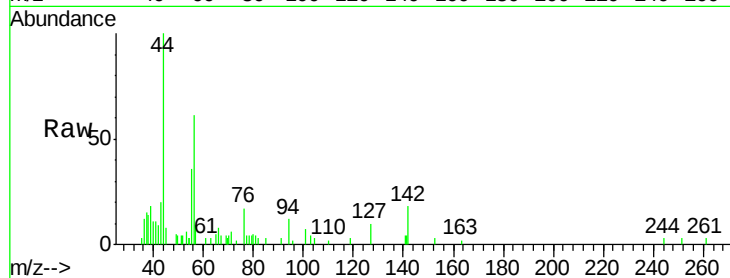




#13
Acrolein
Concen: 92.671 ug/l
RT: 1.99 min Scan# 138
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

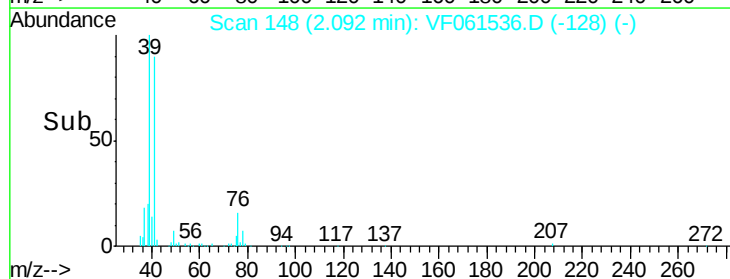
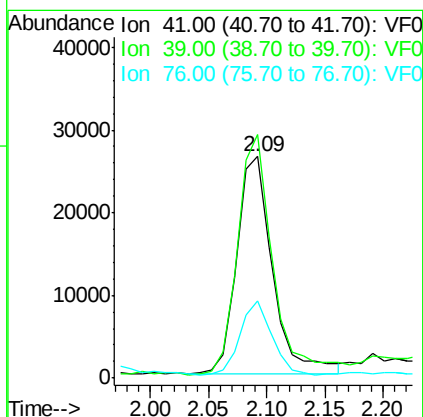
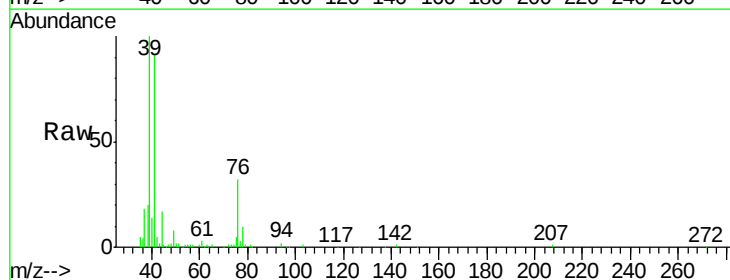
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

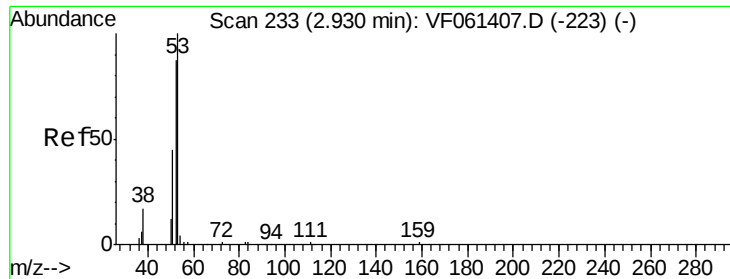
Tot Ion: 56 Resp: 8020
Ion Ratio Lower Upper
56 100
55 59.0 57.5 86.3



#14
Allyl chloride
Concen: 26.819 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion: 41 Resp: 56756
Ion Ratio Lower Upper
41 100
39 110.0 94.6 141.8
76 34.9 25.9 38.9





#15

Acrylonitrile

Concen: 108.456 ug/l

RT: 2.93 min Scan# 233

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

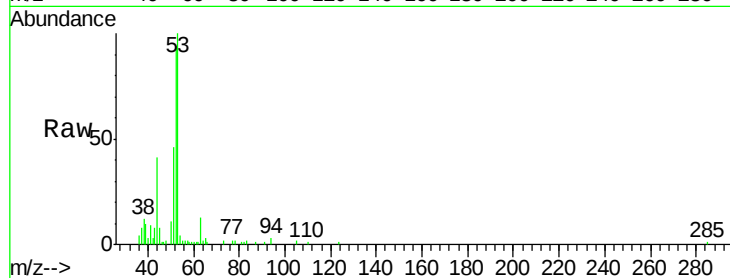
MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion: 53 Resp: 30118

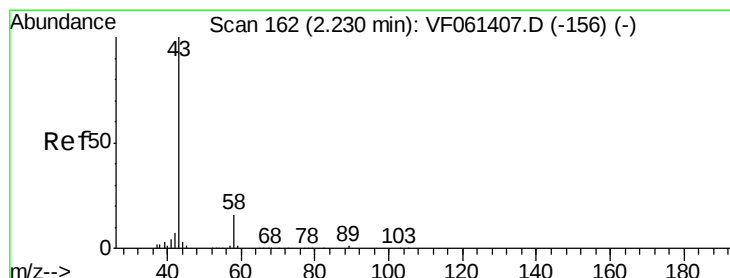
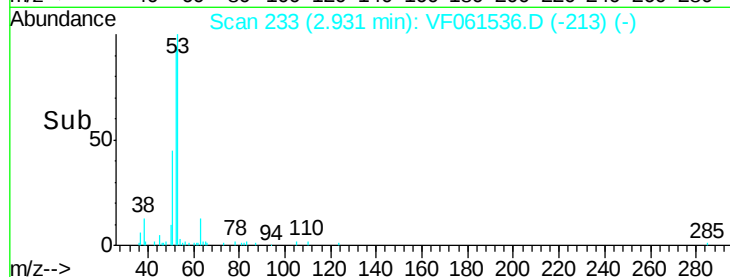
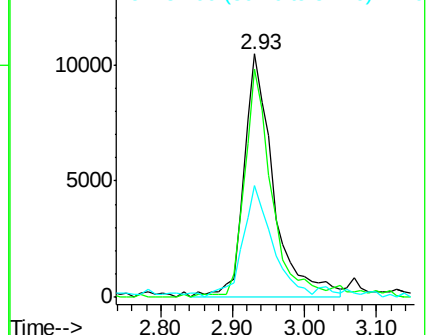
Ion	Ratio	Lower	Upper
53	100		
52	93.7	69.6	104.4
51	46.0	36.8	55.2



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: 123.224 ug/l

RT: 2.23 min Scan# 162

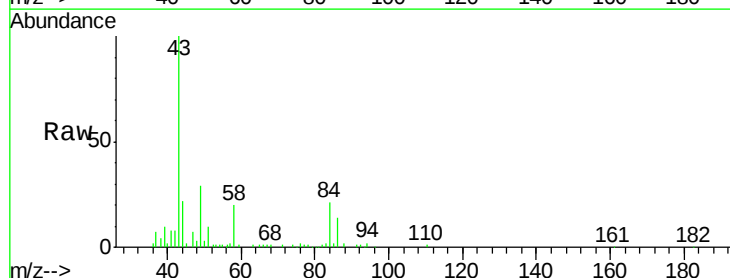
Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

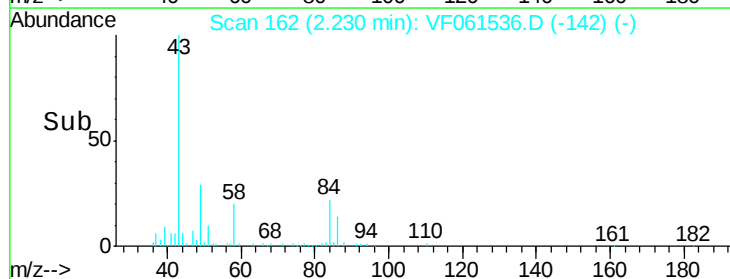
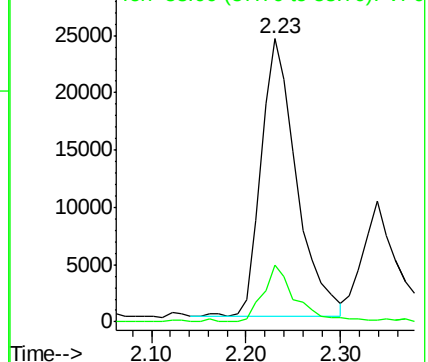
Tgt Ion: 43 Resp: 63314

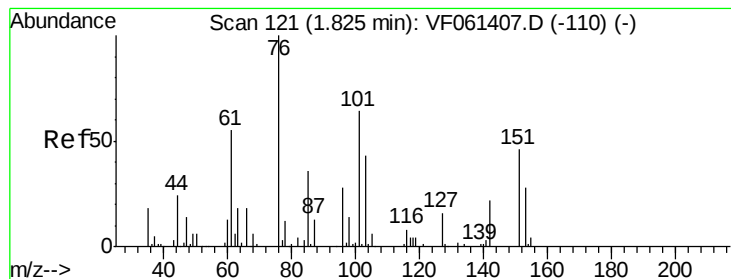
Ion	Ratio	Lower	Upper
43	100		
58	20.0	13.3	19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 14.547 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

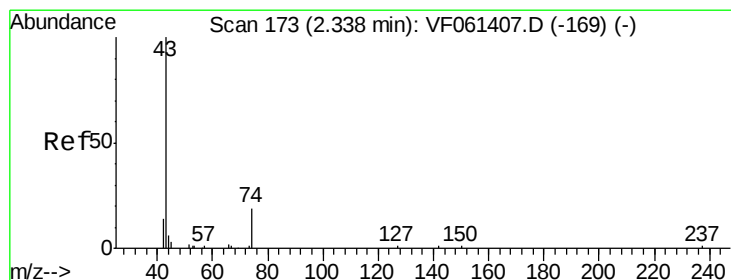
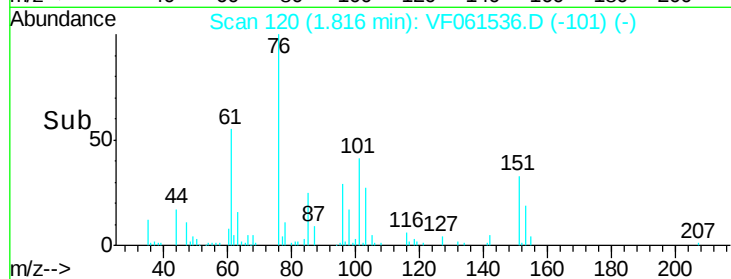
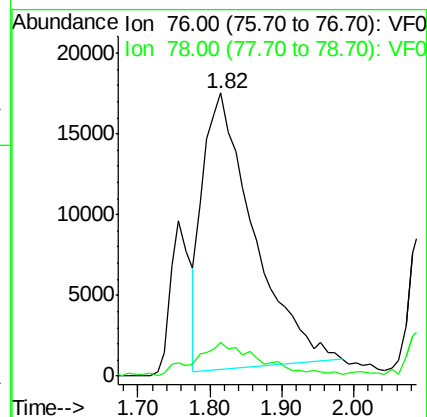
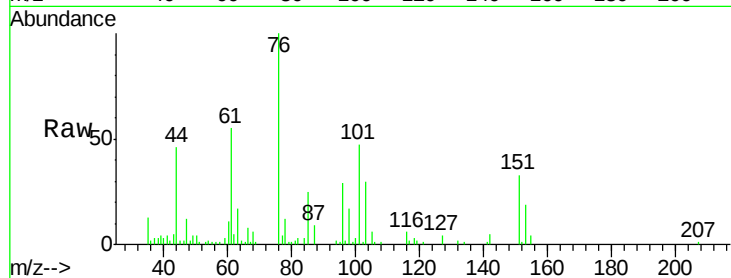
VF0128SBS01

Tot Ion: 76 Resp: 83686

Ion Ratio Lower Upper

76 100

78 11.8 9.6 14.4



#18

Methyl Acetate

Concen: 21.051 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF061536.D

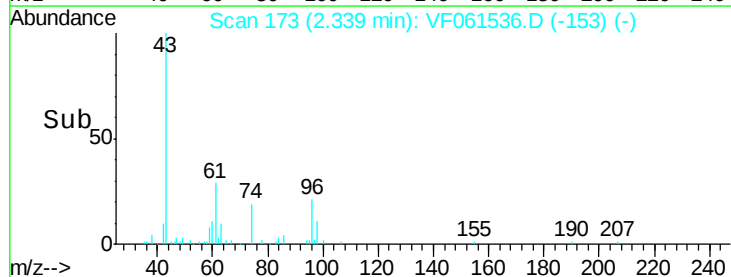
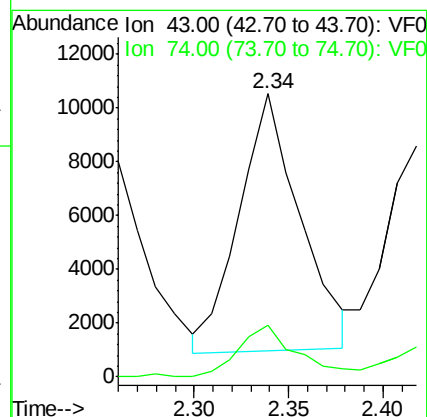
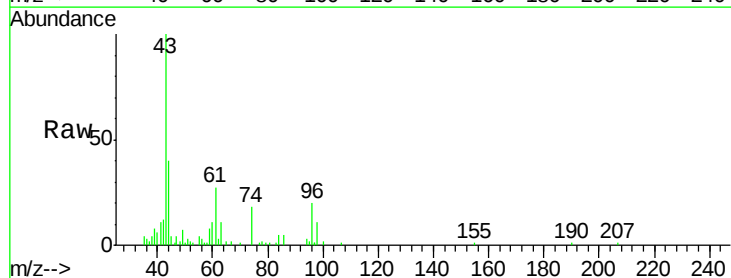
Acq: 28 Jan 2019 12:44

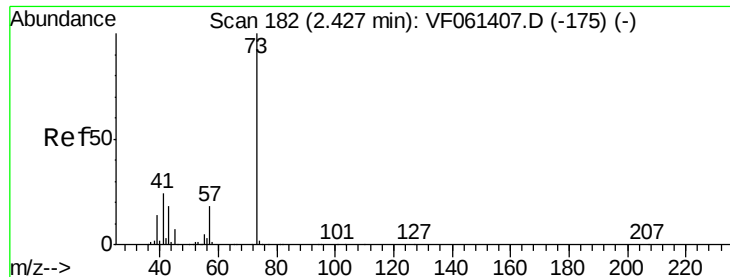
Tgt Ion: 43 Resp: 21450

Ion Ratio Lower Upper

43 100

74 18.5 13.4 20.0



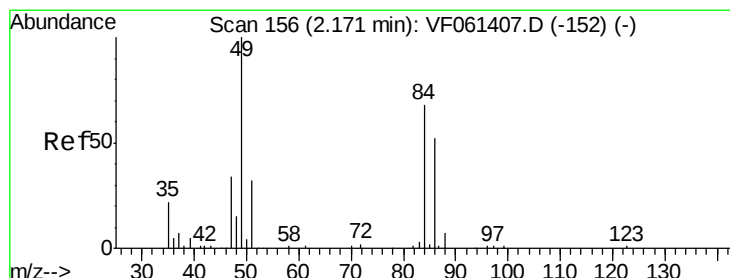
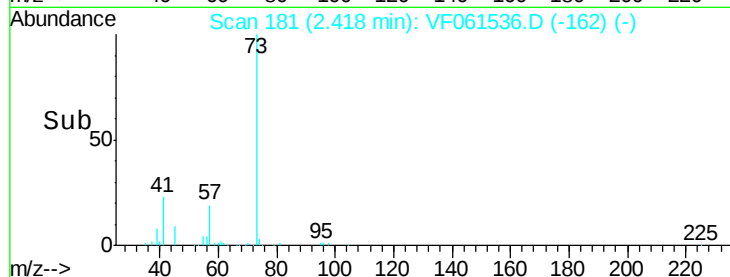
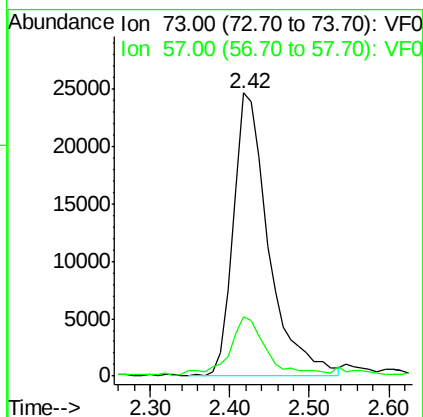
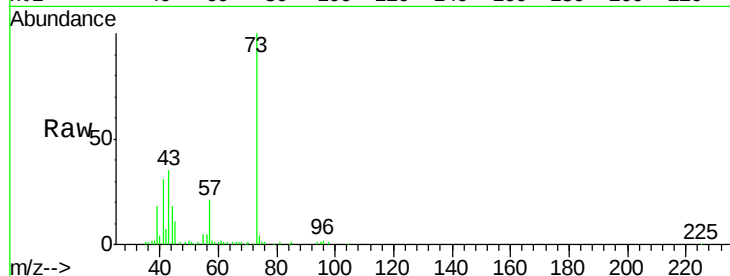


#19

Methyl tert-butyl Ether
 Concen: 18.472 ug/l
 RT: 2.42 min Scan# 181
 Delta R.T. -0.01 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

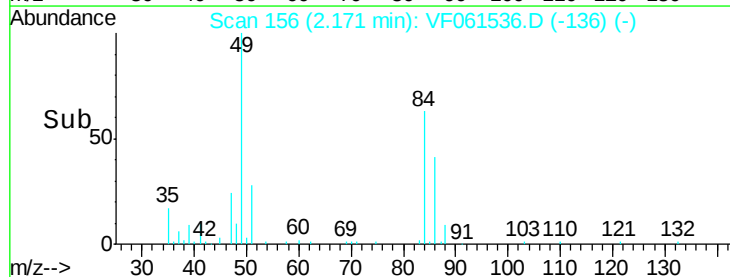
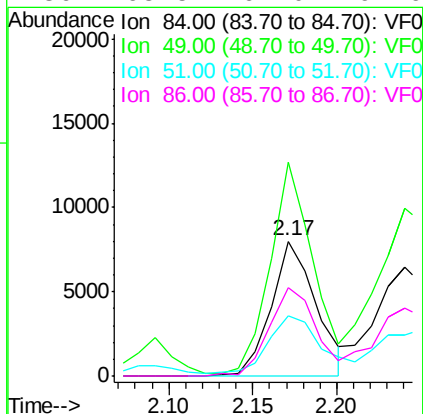
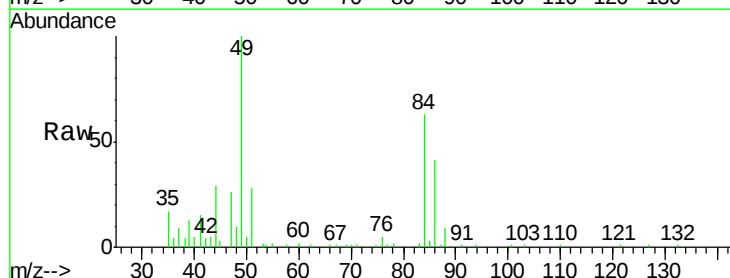
Tot Ion: 73 Resp: 76403
 Ion Ratio Lower Upper
 73 100
 57 20.8 14.8 22.2

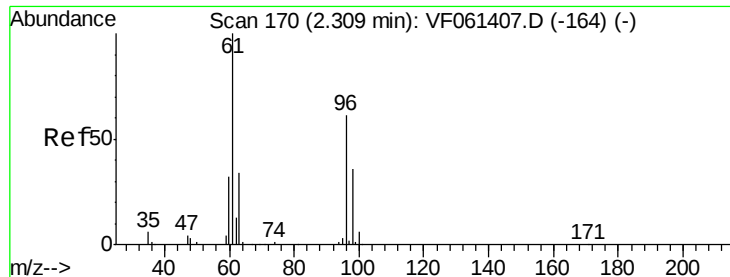


#20

Methylene Chloride
 Concen: 6.987 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Tgt Ion: 84 Resp: 14823
 Ion Ratio Lower Upper
 84 100
 49 158.8 120.0 180.0
 51 44.7 38.6 58.0
 86 65.5 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 20.123 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

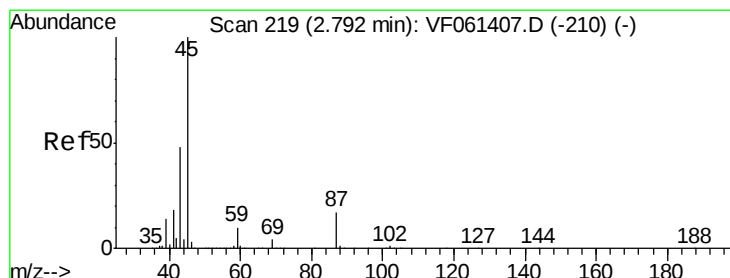
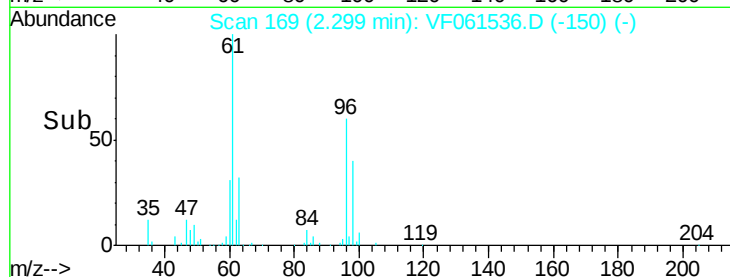
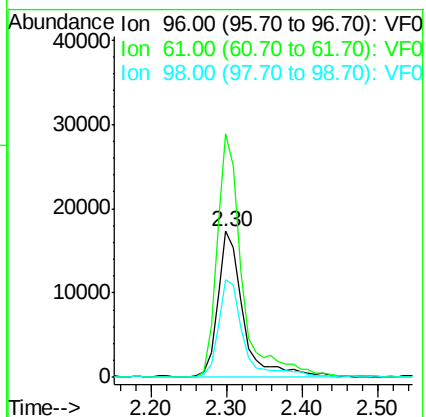
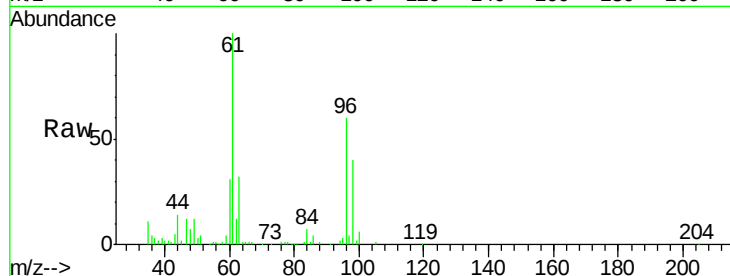
Tot Ion: 96 Resp: 40849

Ion Ratio Lower Upper

96 100

61 166.5 131.8 197.8

98 66.6 47.4 71.0



#22

Diisopropyl ether

Concen: 21.113 ug/l

RT: 2.79 min Scan# 219

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Tgt Ion: 45 Resp: 138628

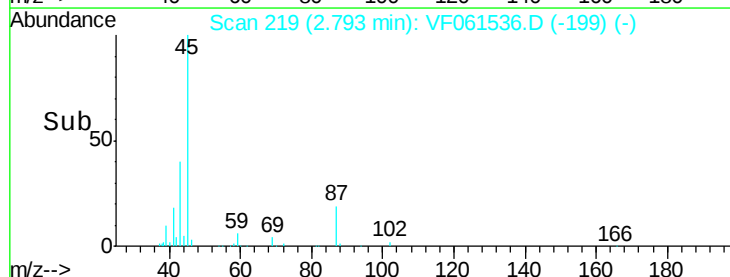
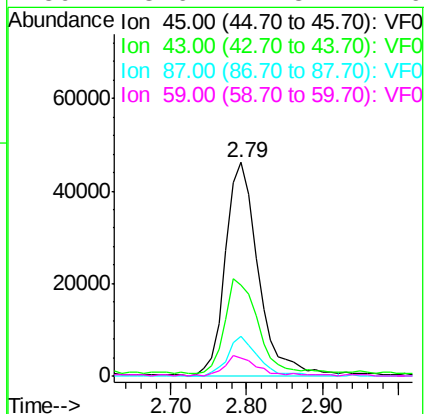
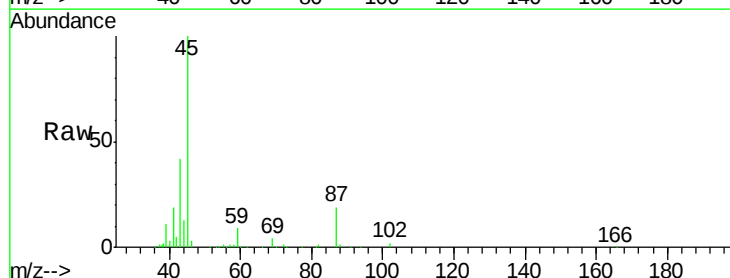
Ion Ratio Lower Upper

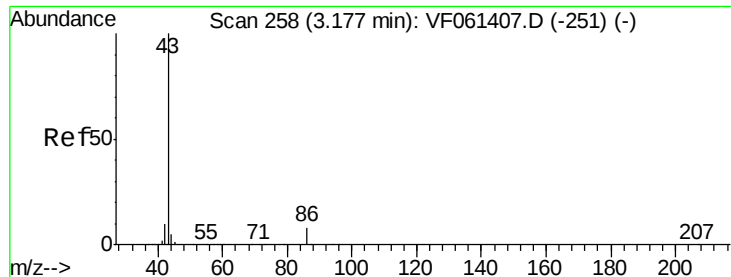
45 100

43 42.5 39.0 58.6

87 18.6 13.9 20.9

59 8.6 7.8 11.6





#23

Vinyl Acetate

Concen: 113.941 ug/l

RT: 3.18 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

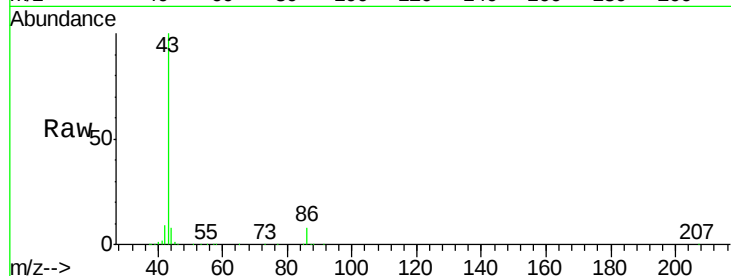
VF0128SBS01

Tot Ion: 43 Resp: 323978

Ion Ratio Lower Upper

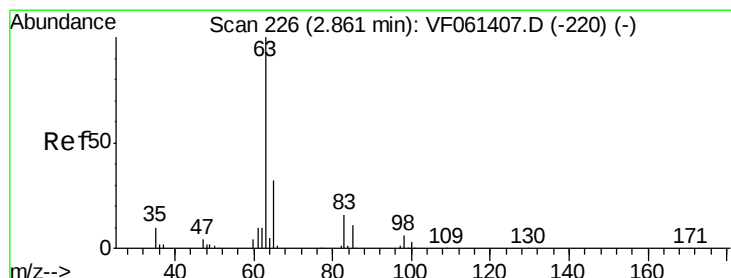
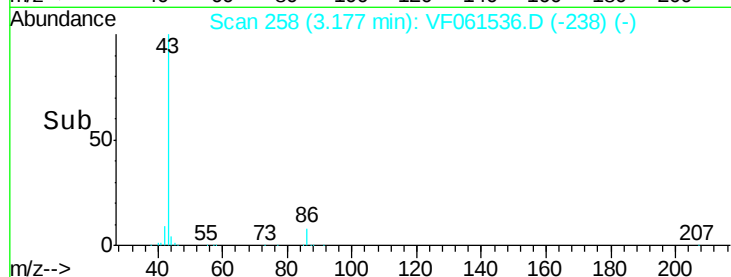
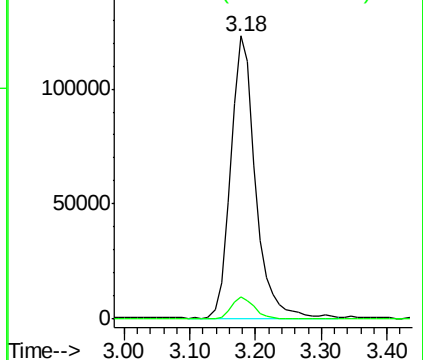
43 100

86 7.8 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 19.292 ug/l

RT: 2.86 min Scan# 226

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

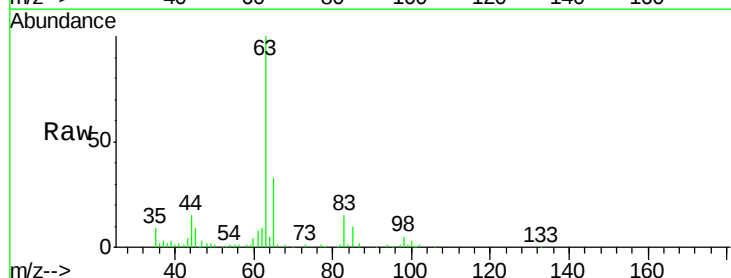
Tgt Ion: 63 Resp: 79502

Ion Ratio Lower Upper

63 100

98 4.9 2.9 8.8

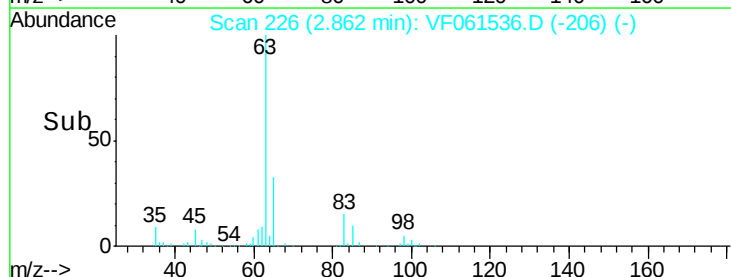
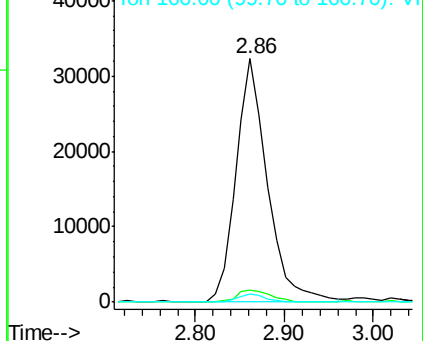
100 3.2 1.6 4.8

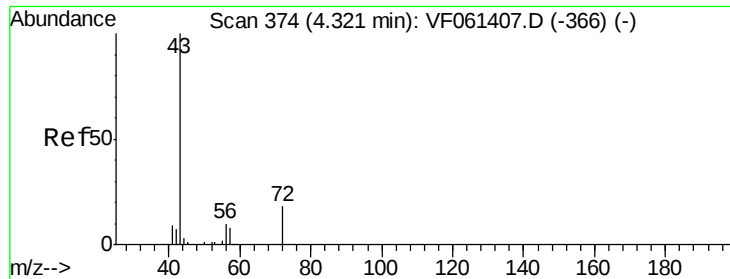


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 115.696 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

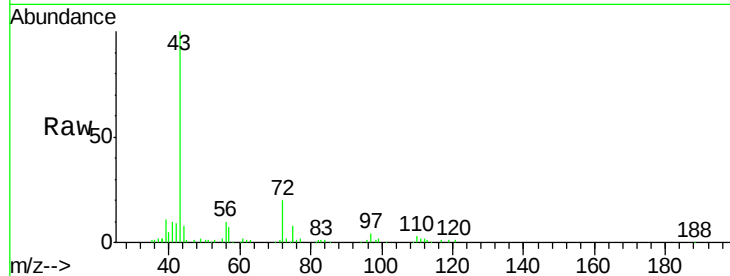
VF0128SBS01

Tot Ion: 43 Resp: 98856

Ion Ratio Lower Upper

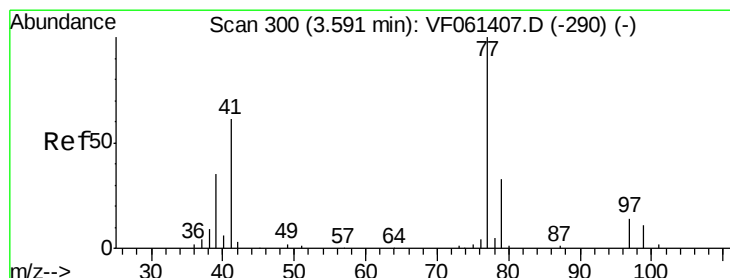
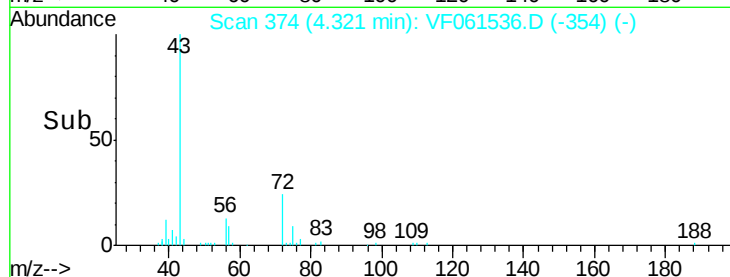
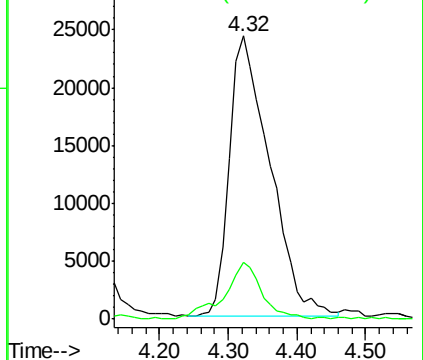
43 100

72 19.9 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 18.560 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061536.D

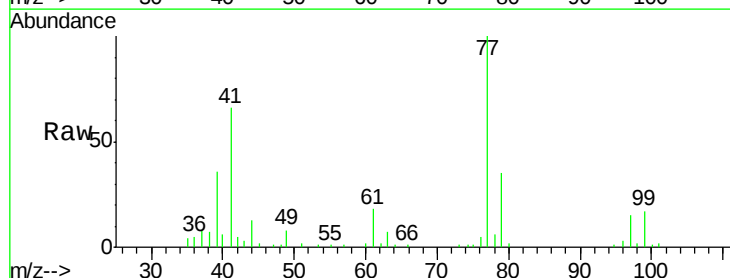
Acq: 28 Jan 2019 12:44

Tgt Ion: 77 Resp: 46991

Ion Ratio Lower Upper

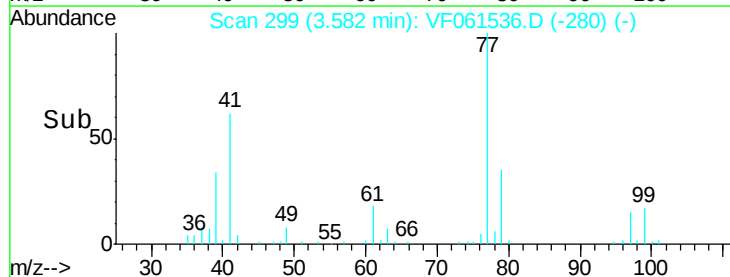
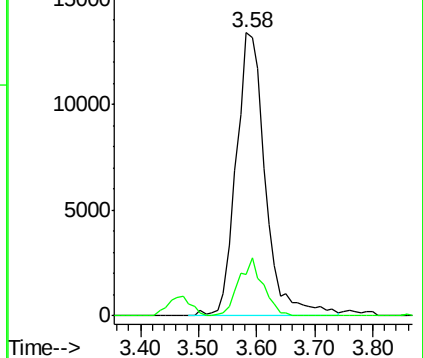
77 100

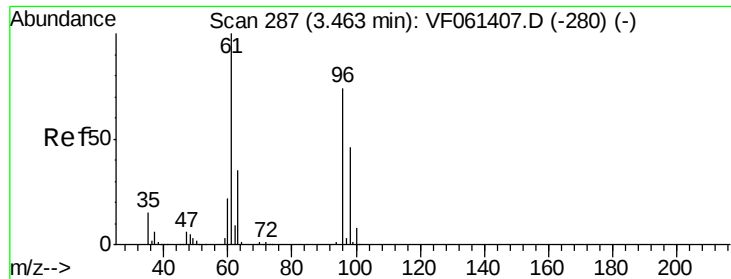
97 14.7 8.5 25.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



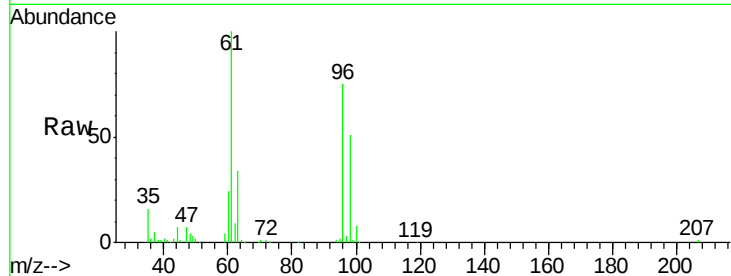


#27

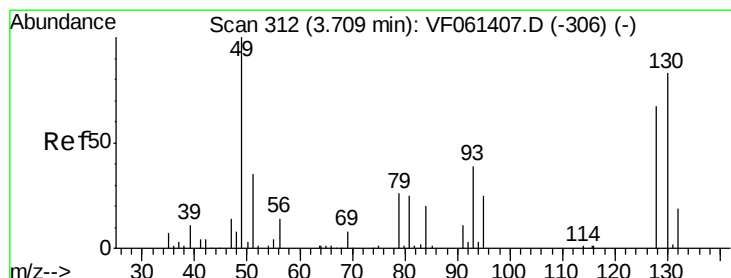
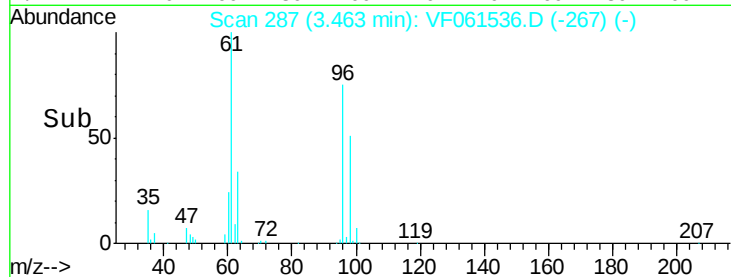
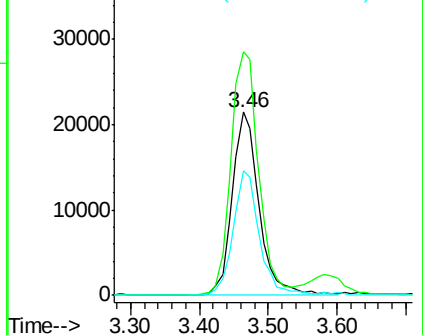
cis-1,2-Dichloroethene
 Concen: 19.409 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	270.2
98	68.2	0.0	124.0



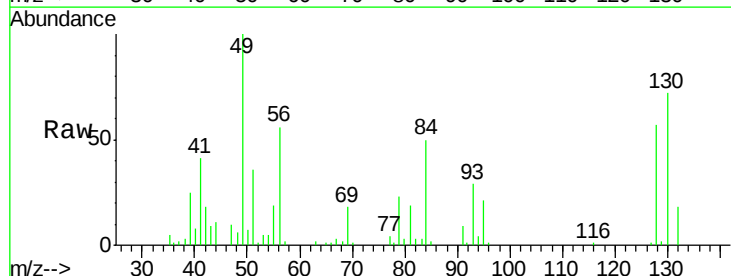
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



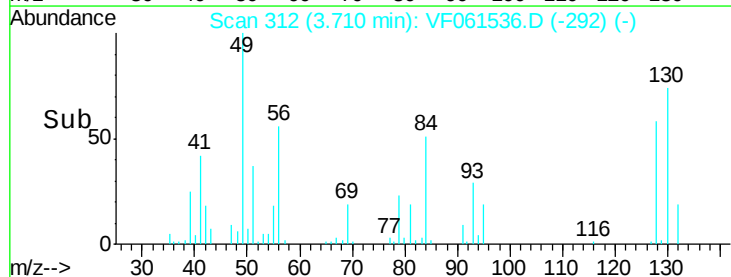
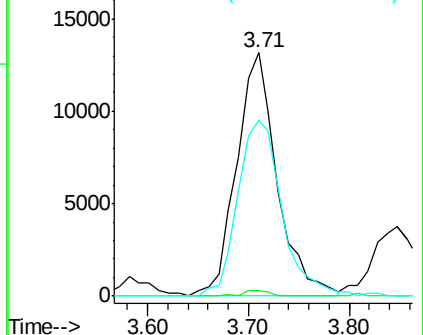
#28

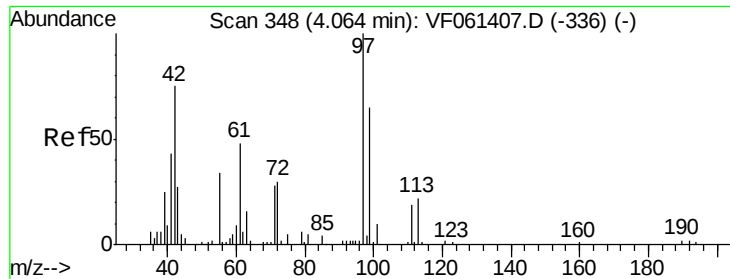
Bromochloromethane
 Concen: 19.953 ug/l
 RT: 3.71 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	0.0#
130	72.4	65.4	98.2



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





#29

Tetrahydrofuran

Concen: 105.450 ug/l

RT: 4.07 min Scan# 348

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

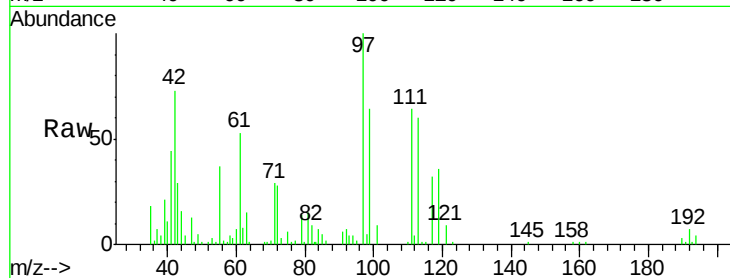
Tot Ion: 42 Resp: 38797

Ion Ratio Lower Upper

42 100

72 37.4 28.9 43.3

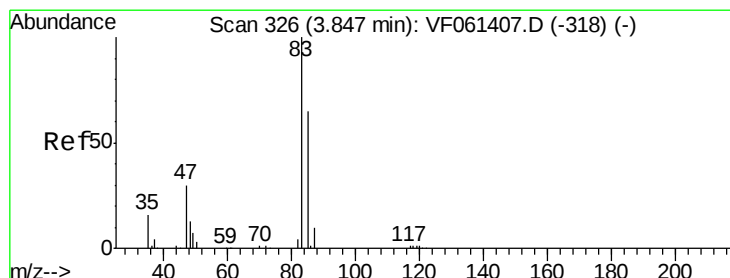
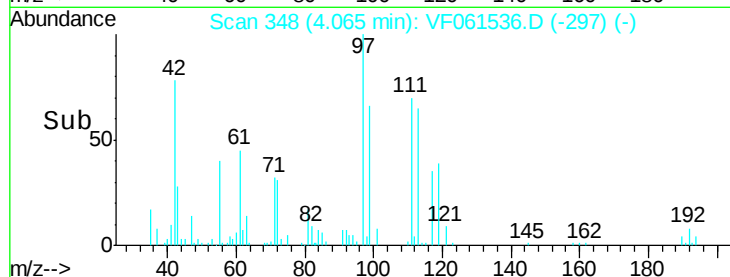
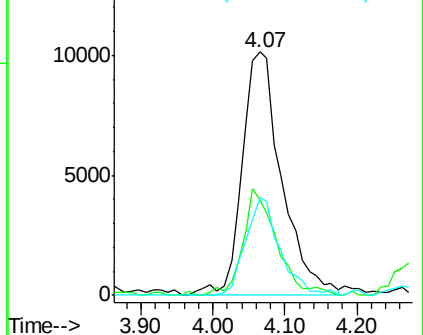
71 34.8 29.6 44.4



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: 19.982 ug/l

RT: 3.85 min Scan# 326

Delta R.T. 0.00 min

Lab File: VF061536.D

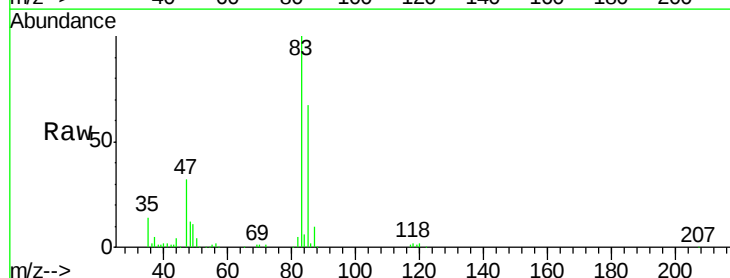
Acq: 28 Jan 2019 12:44

Tgt Ion: 83 Resp: 111128

Ion Ratio Lower Upper

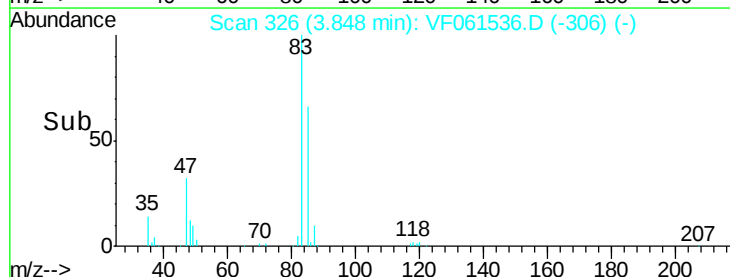
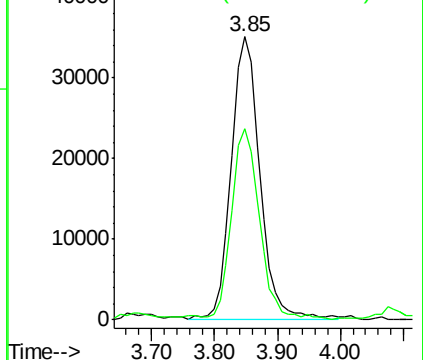
83 100

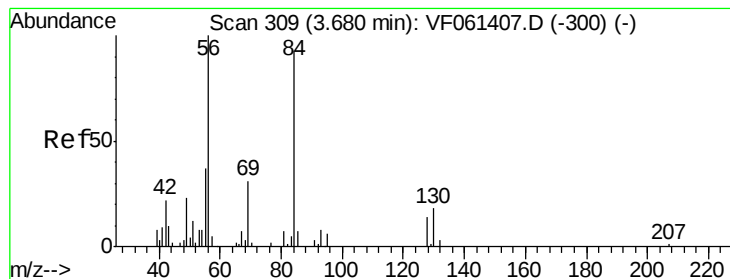
85 67.4 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cvclohexane

Concen: 12.971 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

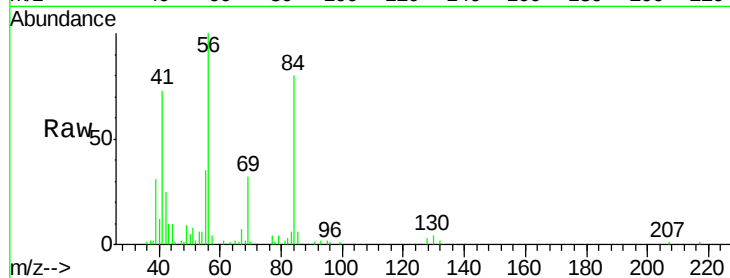
Tot Ion: 56 Resp: 53395

Ion Ratio Lower Upper

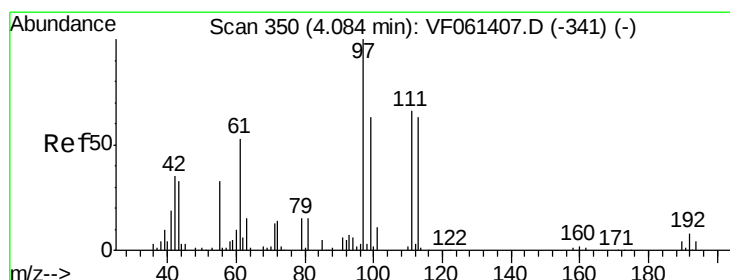
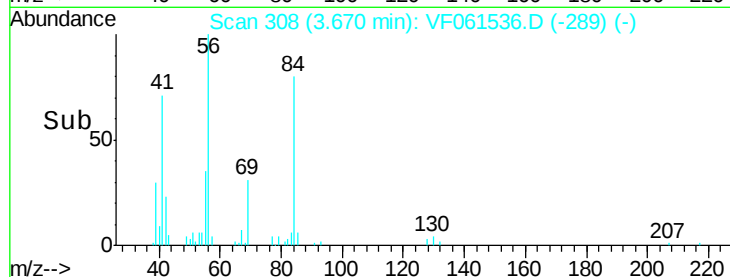
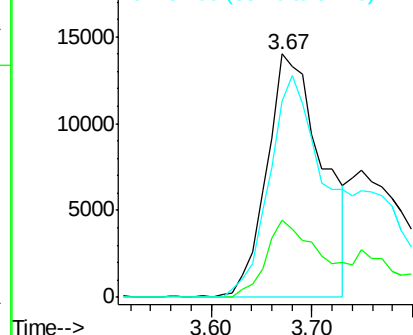
56 100

69 31.9 24.6 36.8

84 80.4 74.2 111.2



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 17.989 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

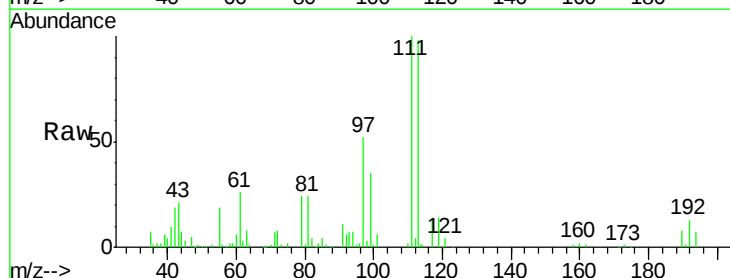
Tgt Ion: 97 Resp: 73358

Ion Ratio Lower Upper

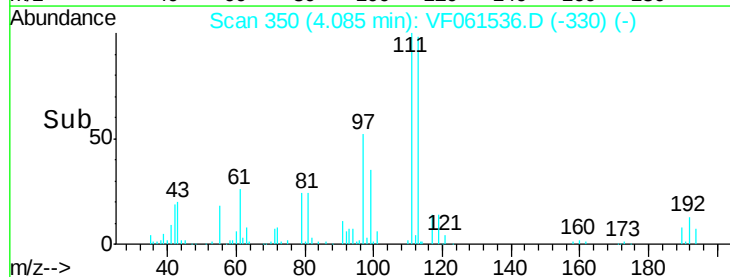
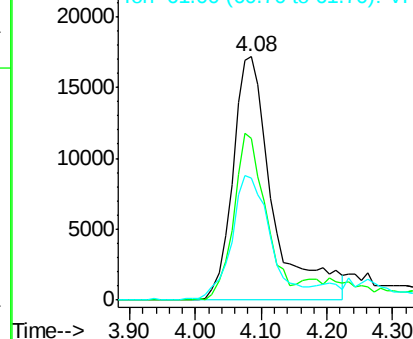
97 100

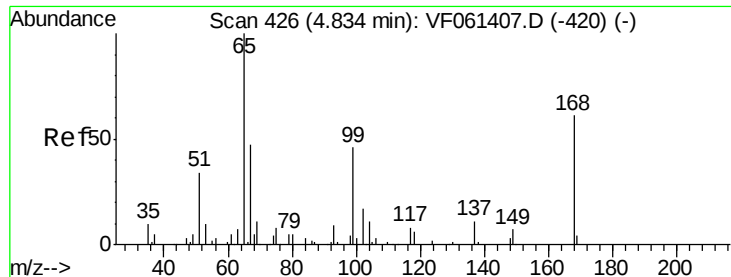
99 66.3 50.1 75.1

61 50.0 43.1 64.7



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 46.264 ug/l

RT: 4.83 min Scan# 426

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

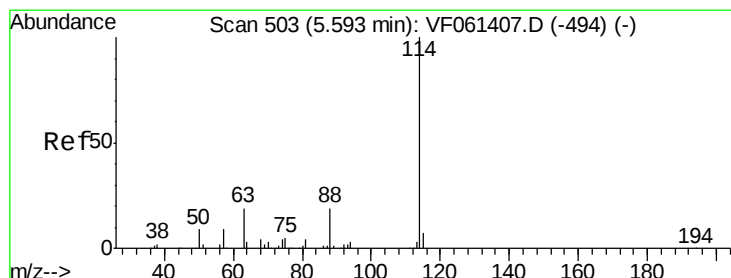
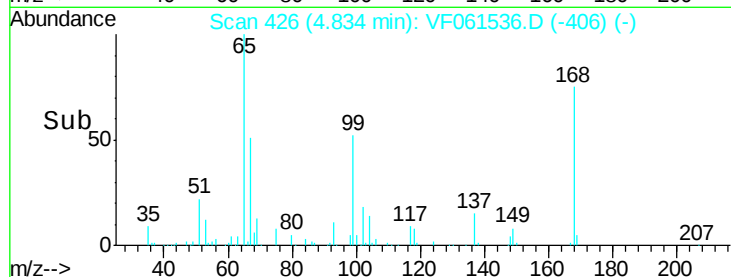
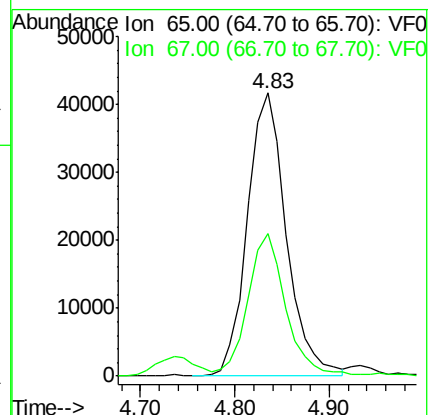
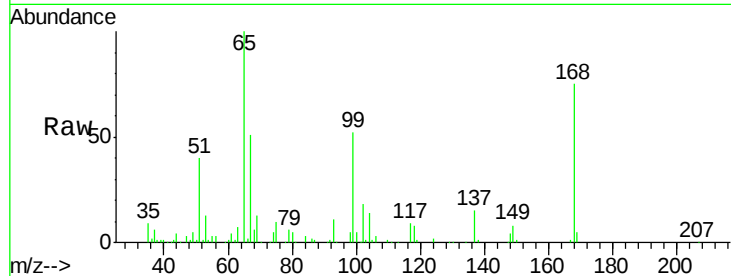
VF0128SBS01

Tot Ion: 65 Resp: 118493

Ion Ratio Lower Upper

65 100

67 50.6 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: VF061536.D

Acq: 28 Jan 2019 12:44

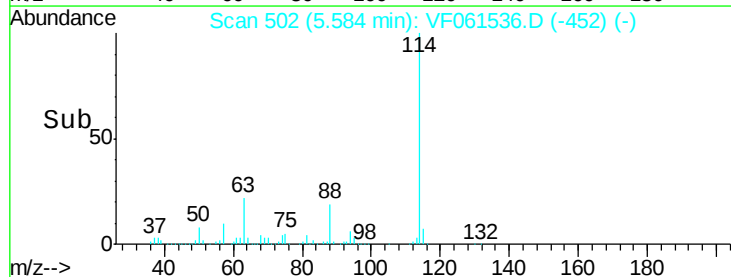
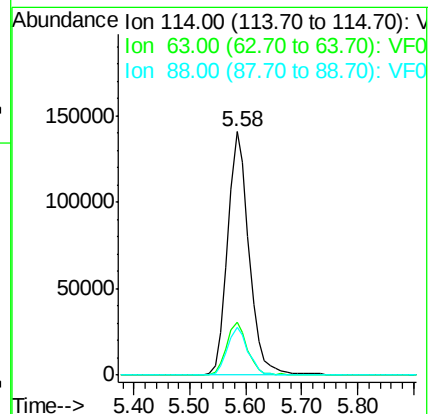
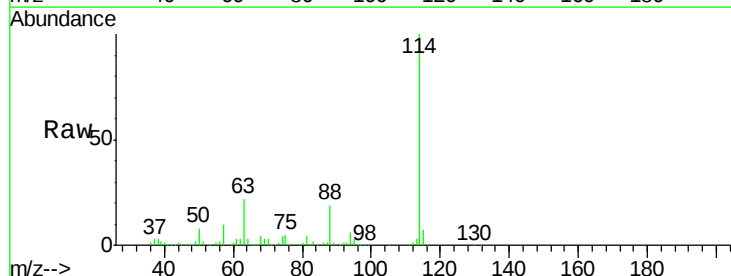
Tgt Ion: 114 Resp: 375583

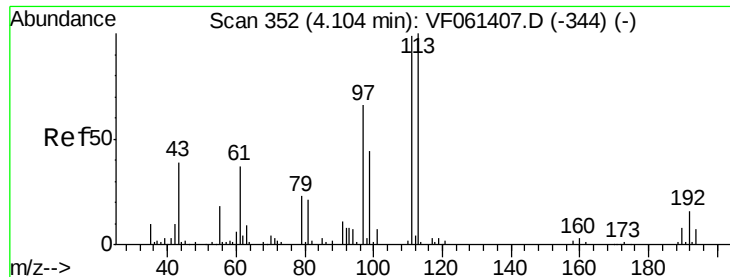
Ion Ratio Lower Upper

114 100

63 21.8 0.0 39.0

88 19.4 0.0 37.4

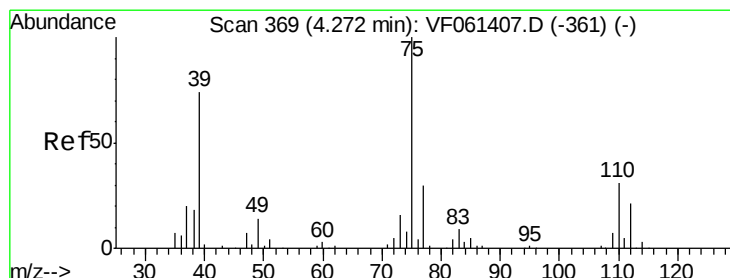
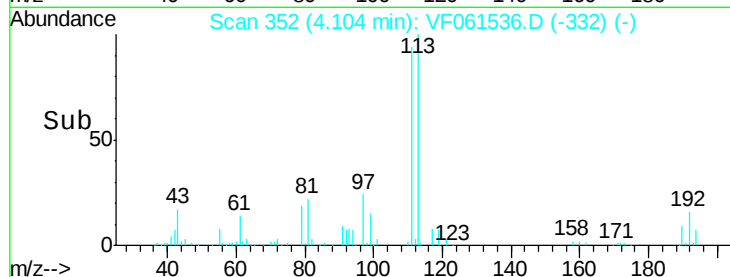
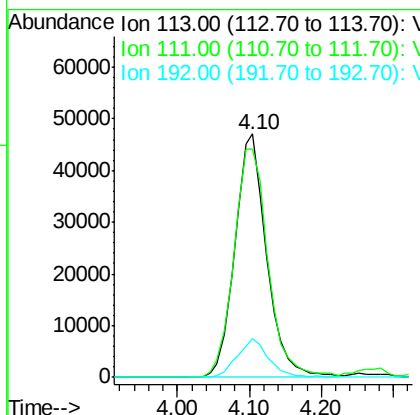
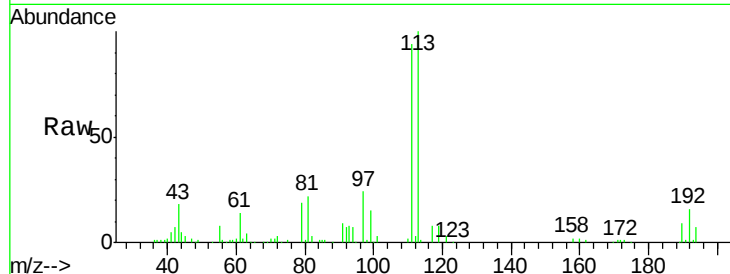




#35
Dibromofluoromethane
Concen: 48.802 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

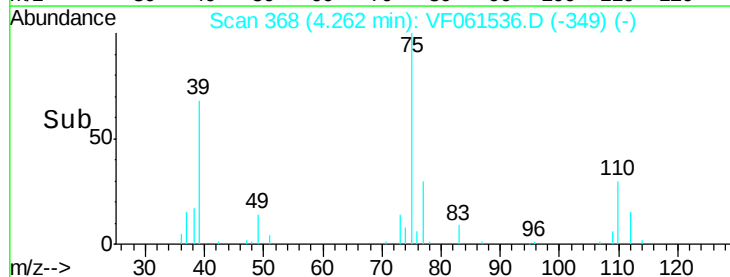
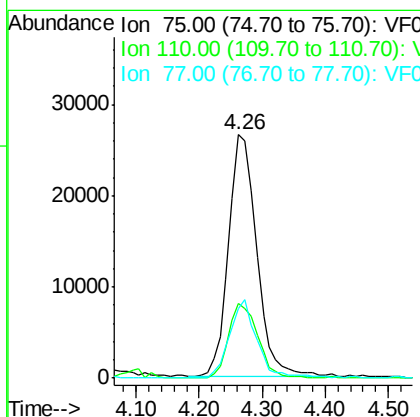
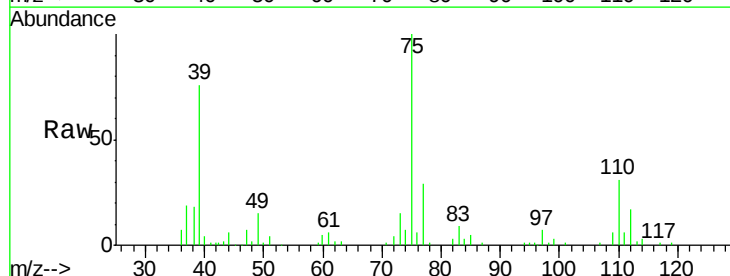
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

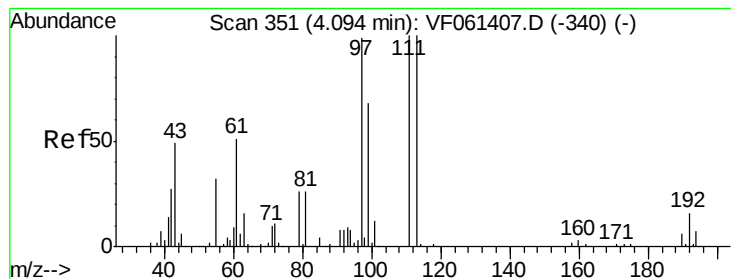
Tot Ion:113 Resp: 144634
Ion Ratio Lower Upper
113 100
111 94.0 79.4 119.0
192 15.7 12.4 18.6



#36
1,1-Dichloropropene
Concen: 18.994 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion: 75 Resp: 82712
Ion Ratio Lower Upper
75 100
110 30.7 15.8 47.3
77 28.8 24.0 36.0





#37

Ethyl Acetate

Concen: 22.218 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

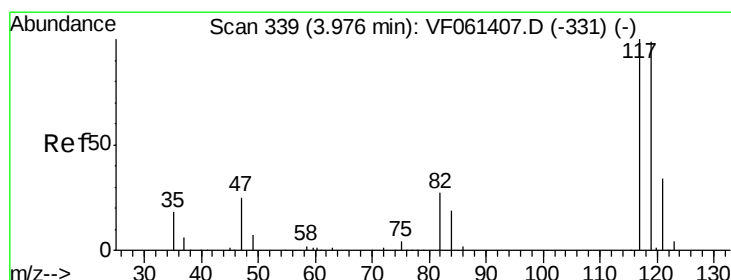
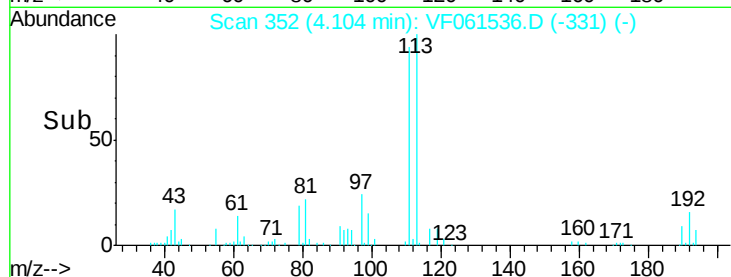
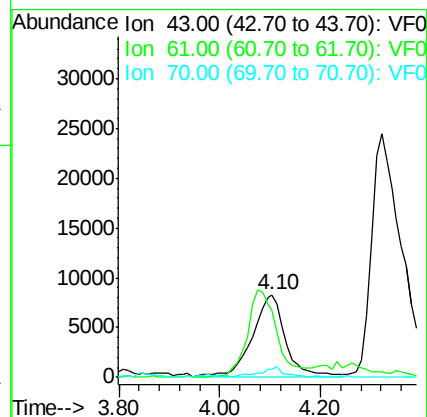
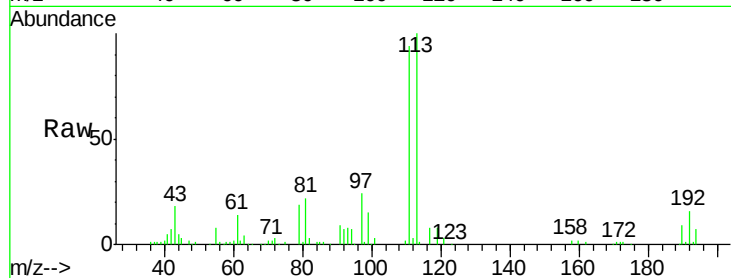
Tot Ion: 43 Resp: 38676

Ion Ratio Lower Upper

43 100

61 80.4 81.7 122.5#

70 9.2 6.2 9.2



#38

Carbon Tetrachloride

Concen: 16.484 ug/l

RT: 3.98 min Scan# 339

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

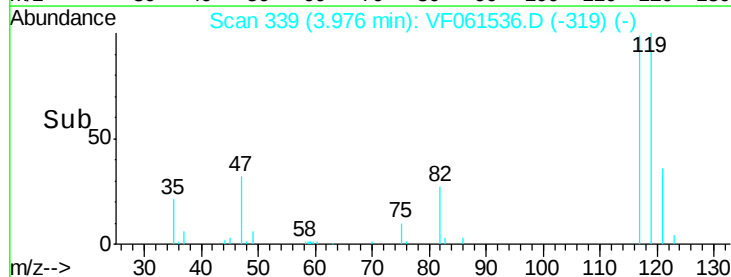
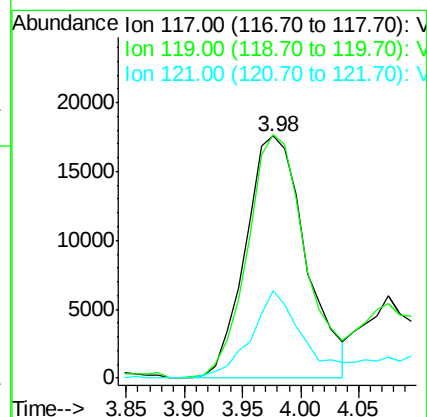
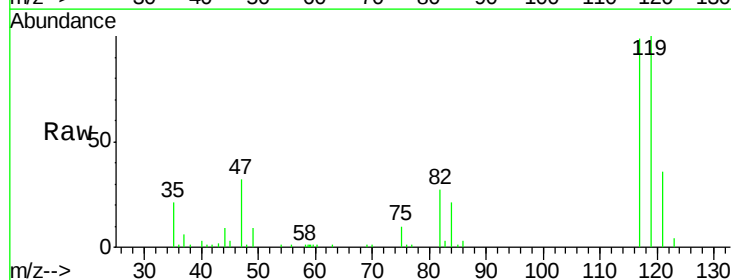
Tgt Ion: 117 Resp: 62756

Ion Ratio Lower Upper

117 100

119 100.5 79.0 118.6

121 36.3 27.0 40.6

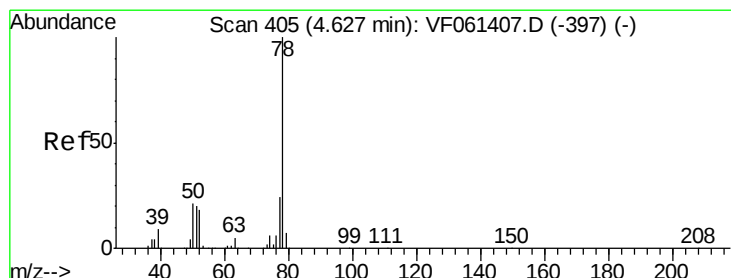
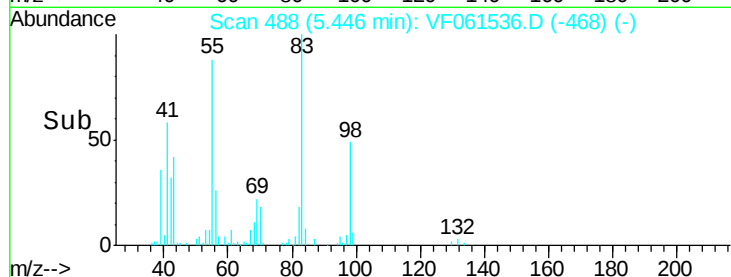
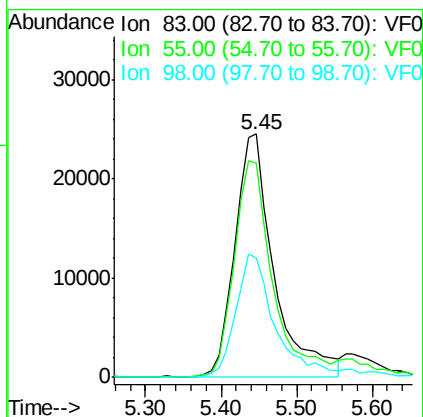
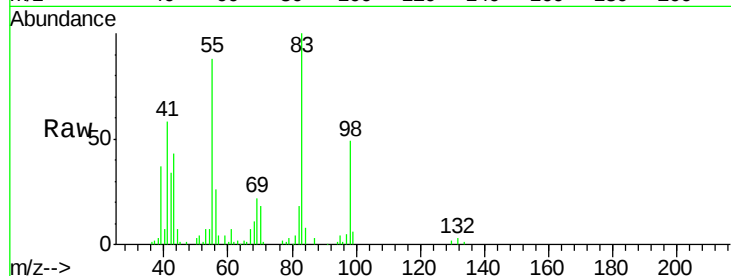




#39
Methvlcvclohexane
Concen: 18.721 ug/l
RT: 5.45 min Scan# 488
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

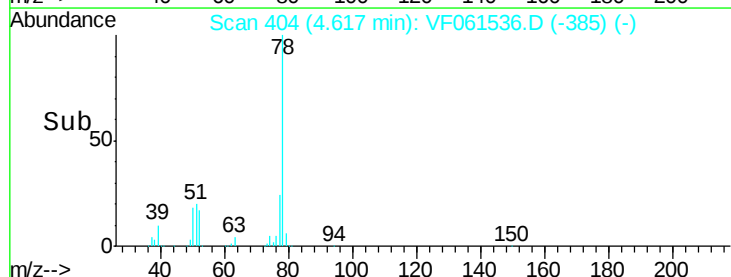
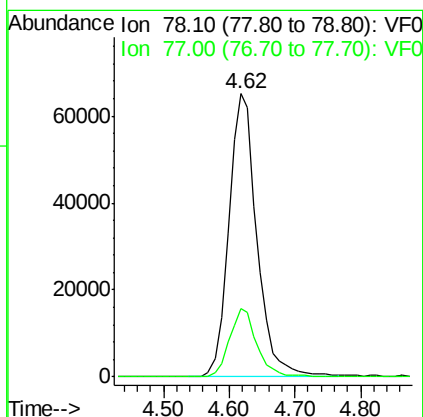
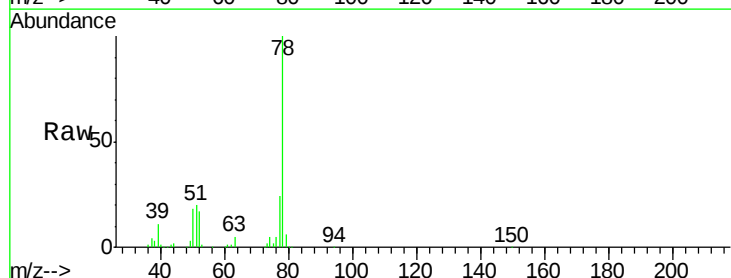
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Tot Ion: 83 Resp: 88349
Ion Ratio Lower Upper
83 100
55 87.9 67.4 101.2
98 48.8 36.7 55.1



#40
Benzene
Concen: 20.073 ug/l
RT: 4.62 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion: 78 Resp: 194502
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6

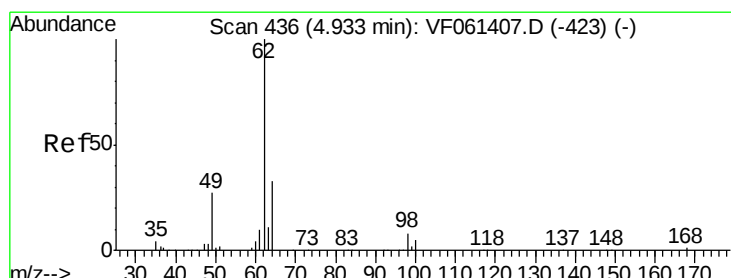
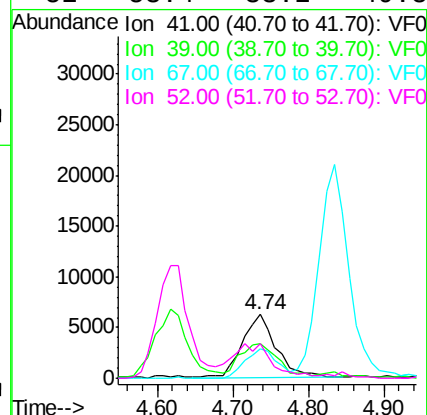
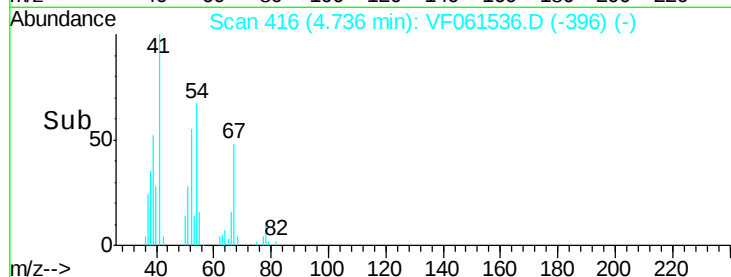
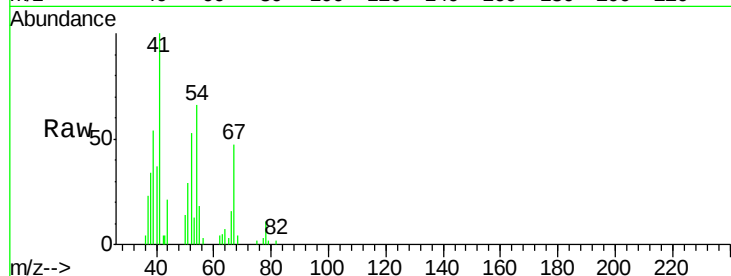




#41
Methacrylonitrile
Concen: 20.806 ug/l
RT: 4.74 min Scan# 416
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

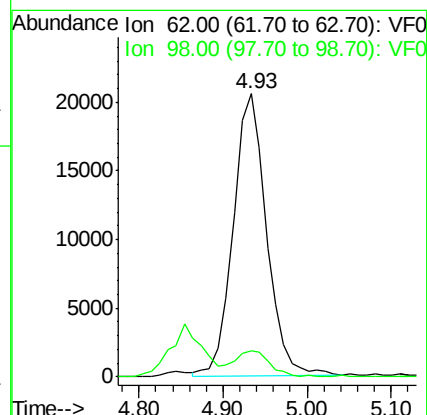
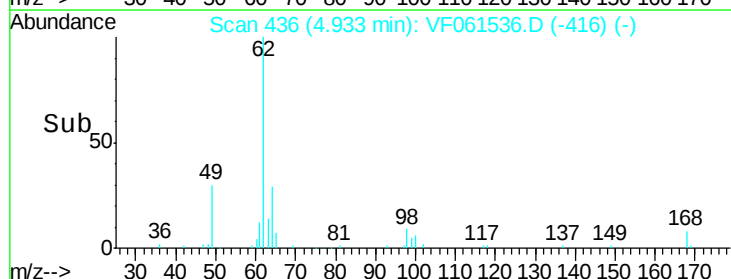
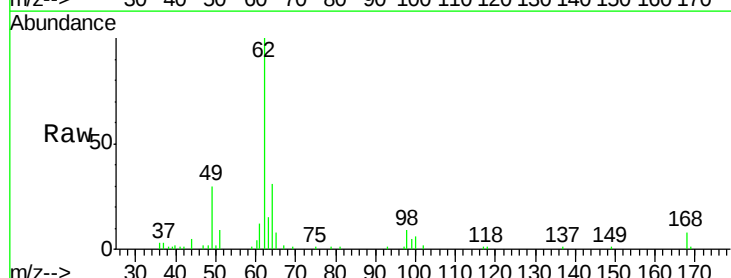
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

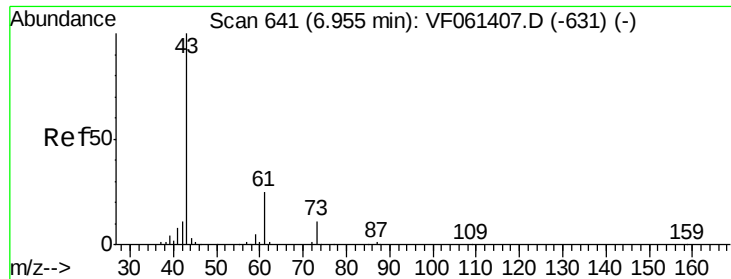
Tot Ion:	41	Resp:	19271
Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.1	64.7
67	46.6	38.8	58.2
52	53.4	33.2	49.8#



#42
1,2-Dichloroethane
Concen: 16.383 ug/l
RT: 4.93 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion:	62	Resp:	56570
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0



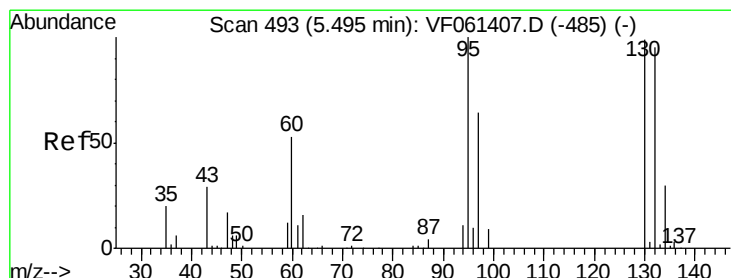
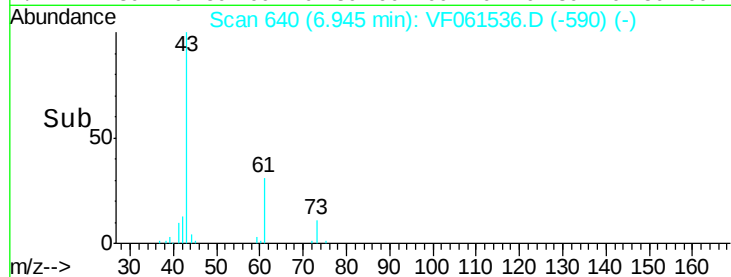
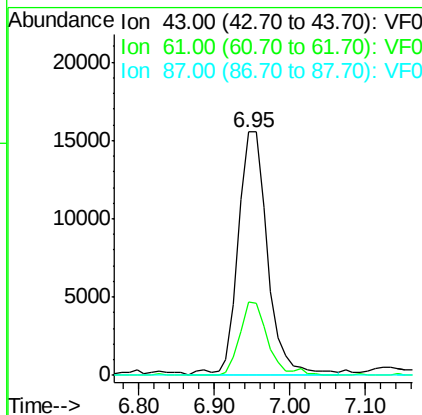
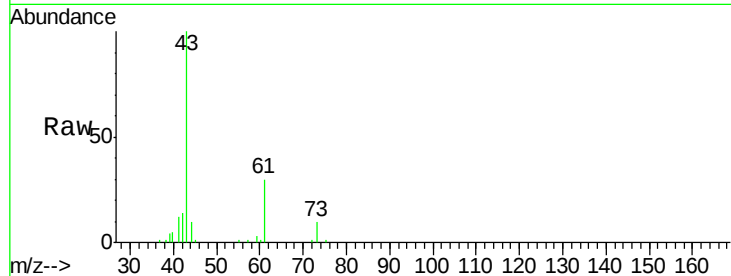


#43

Isopropyl Acetate
 Concen: 19.192 ug/l
 RT: 6.95 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

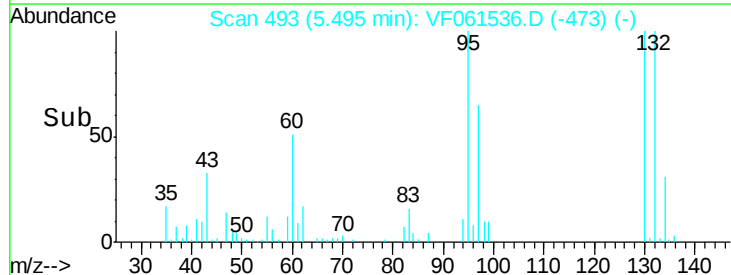
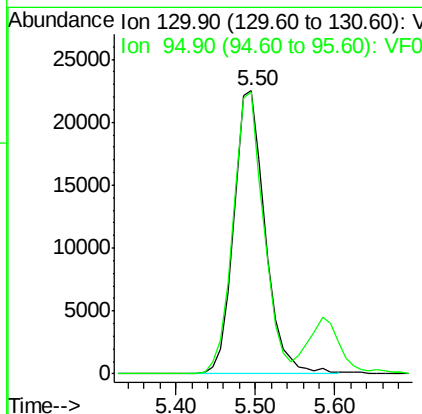
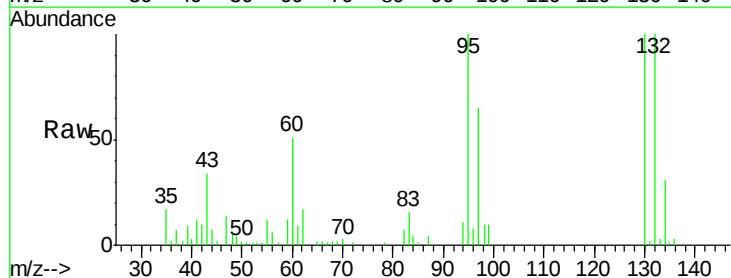
Tot Ion: 43 Resp: 41930
 Ion Ratio Lower Upper
 43 100
 61 29.9 20.3 30.5
 87 0.0 0.5 0.7#

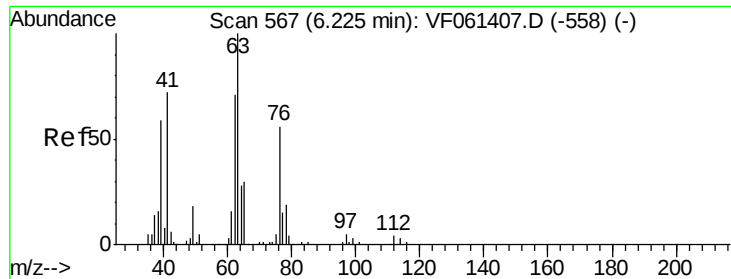


#44

Trichloroethene
 Concen: 20.650 ug/l
 RT: 5.50 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Tgt Ion:130 Resp: 61383
 Ion Ratio Lower Upper
 130 100
 95 99.8 0.0 202.8





#45

1,2-Dichloropropane

Concen: 19.397 ug/l

RT: 6.23 min Scan# 567

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

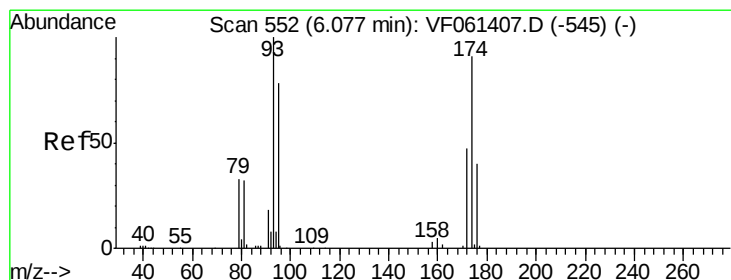
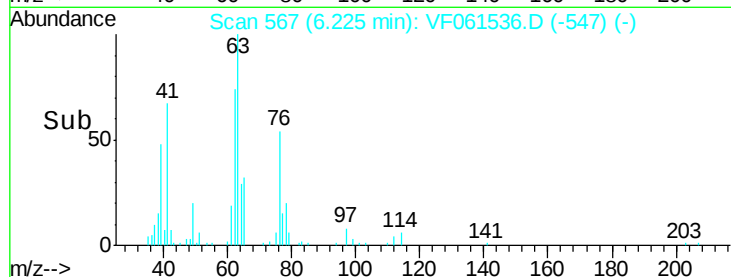
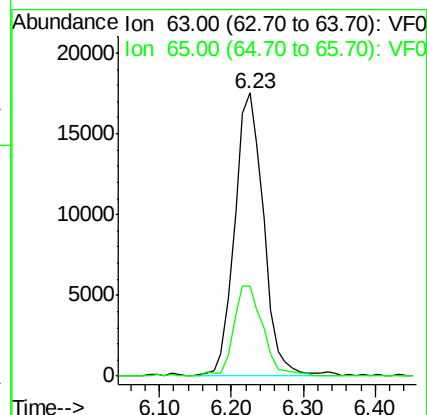
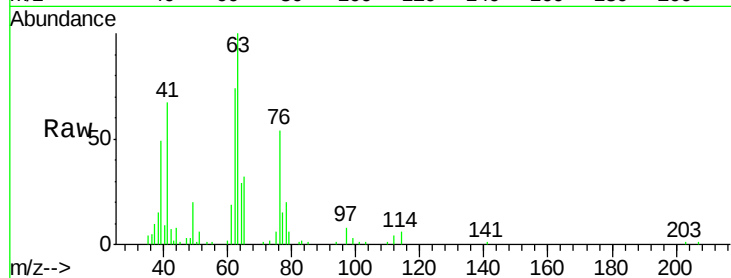
VF0128SBS01

Tot Ion: 63 Resp: 49330

Ion Ratio Lower Upper

63 100

65 31.6 24.4 36.6



#46

Dibromomethane

Concen: 17.811 ug/l

RT: 6.08 min Scan# 552

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

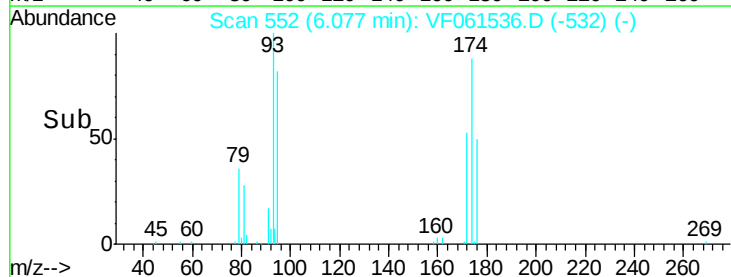
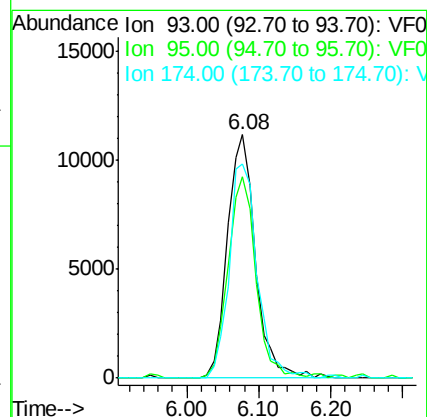
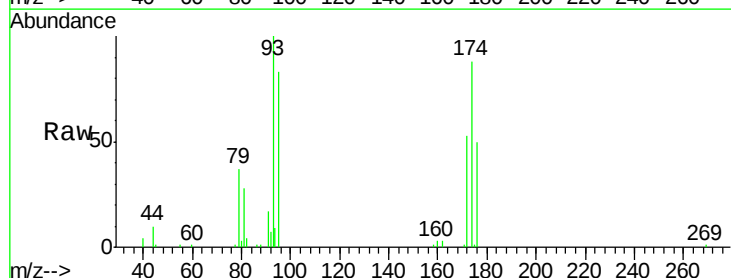
Tgt Ion: 93 Resp: 30119

Ion Ratio Lower Upper

93 100

95 82.8 62.1 93.1

174 87.9 74.6 111.8





#47

Bromodichloromethane

Concen: 18.418 ug/l

RT: 6.37 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

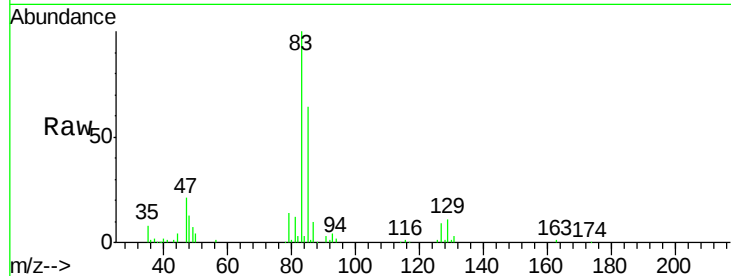
Tot Ion: 83 Resp: 77059

Ion Ratio Lower Upper

83 100

85 64.3 53.0 79.4

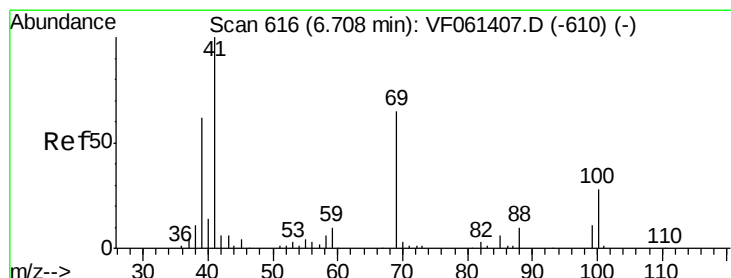
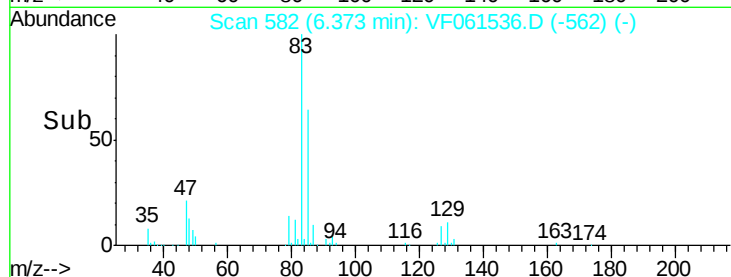
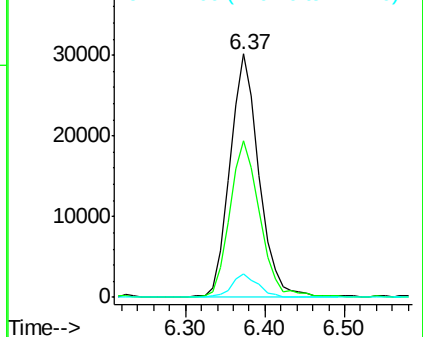
127 9.5 6.9 10.3



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: 18.485 ug/l

RT: 6.71 min Scan# 616

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

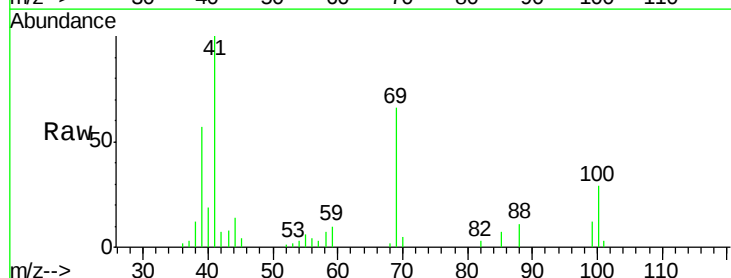
Tgt Ion: 41 Resp: 27119

Ion Ratio Lower Upper

41 100

69 65.6 51.7 77.5

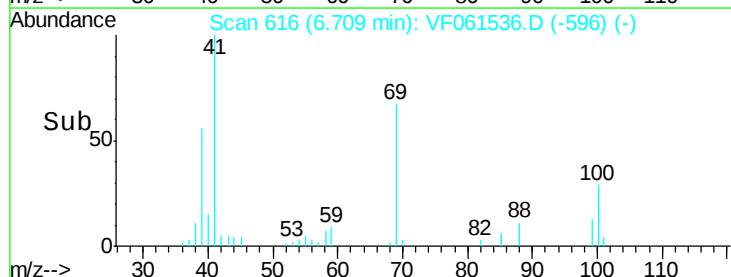
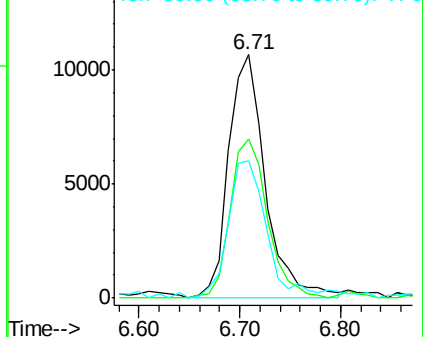
39 56.6 49.2 73.8

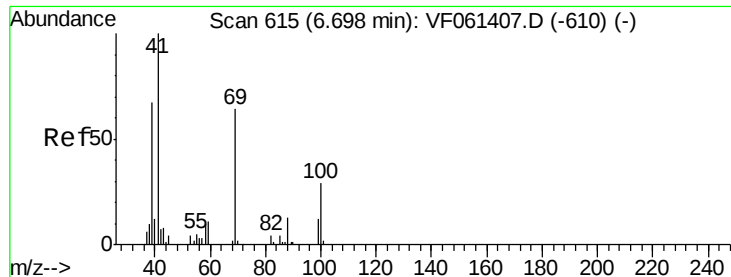


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

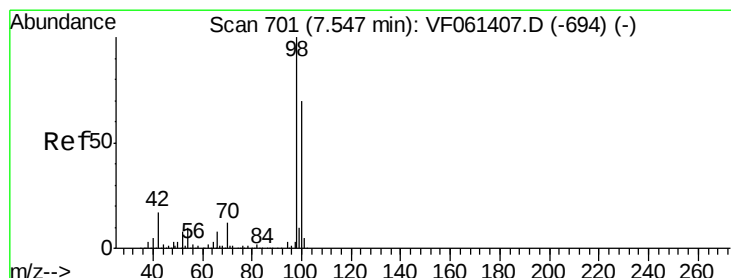
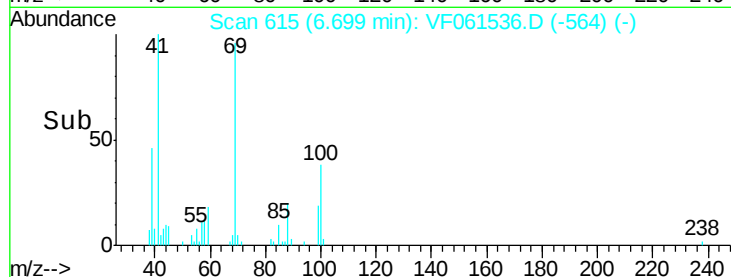
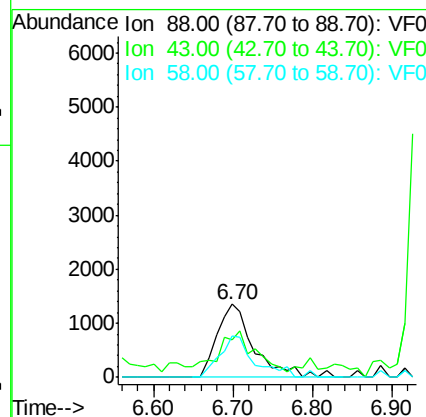
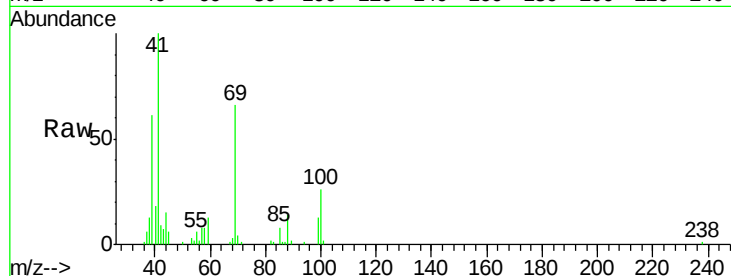




#49
1,4-Dioxane
Concen: 381.877 ug/l
RT: 6.70 min Scan# 615
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

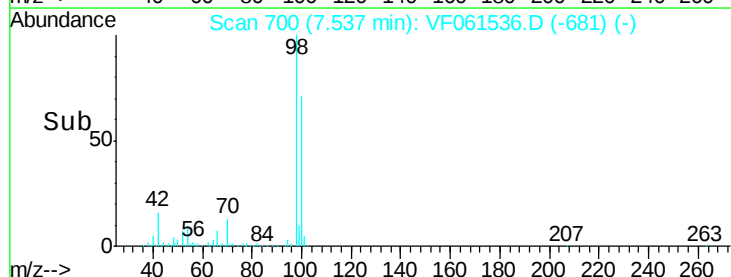
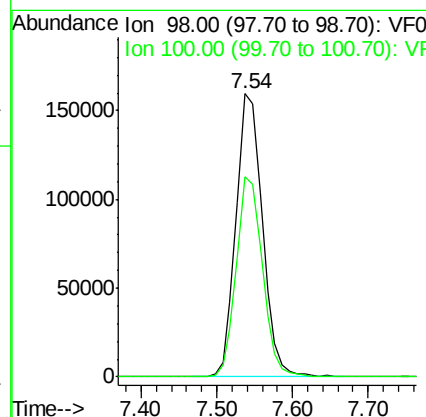
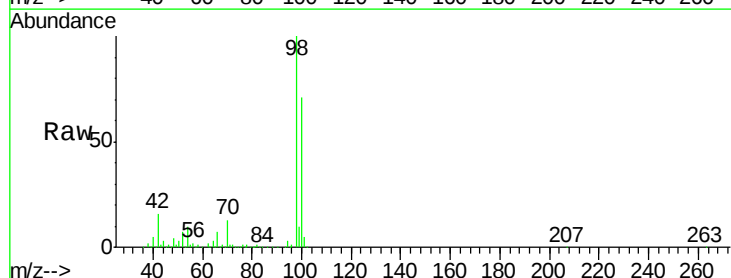
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

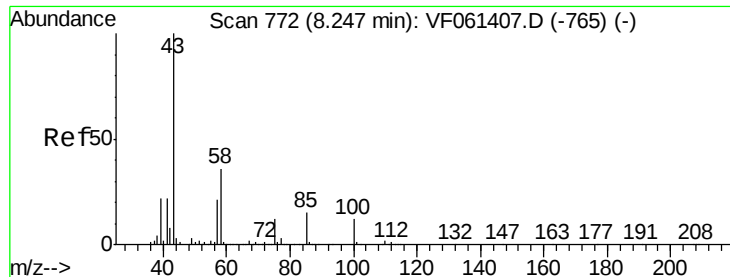
Tot Ion: 88 Resp: 4350
Ion Ratio Lower Upper
88 100
43 52.2 55.5 83.3#
58 56.9 59.9 89.9#



#50
Toluene-d8
Concen: 47.473 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.01 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion: 98 Resp: 385477
Ion Ratio Lower Upper
98 100
100 70.5 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 98.720 ug/l

RT: 8.25 min Scan# 772

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

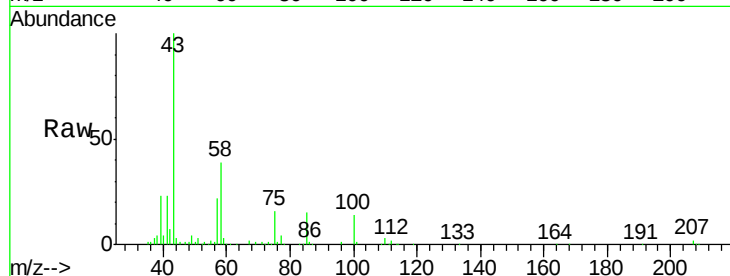
VF0128SBS01

Tot Ion: 43 Resp: 158555

Ion Ratio Lower Upper

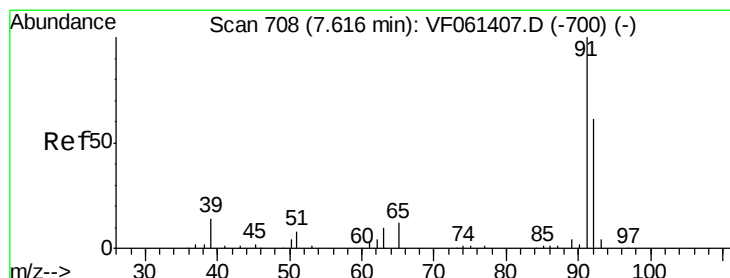
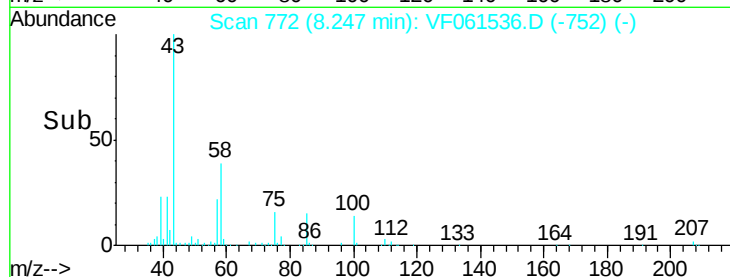
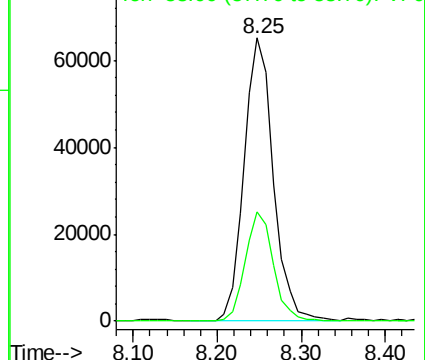
43 100

58 38.5 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 18.154 ug/l

RT: 7.62 min Scan# 708

Delta R.T. 0.00 min

Lab File: VF061536.D

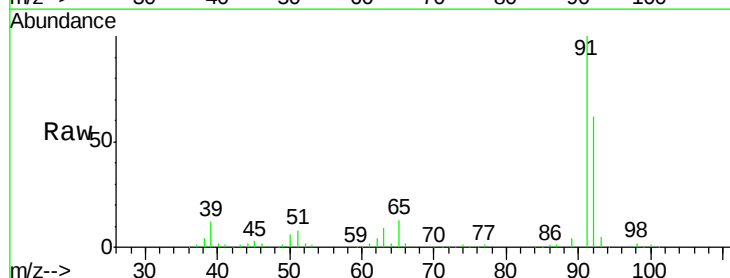
Acq: 28 Jan 2019 12:44

Tgt Ion: 92 Resp: 115845

Ion Ratio Lower Upper

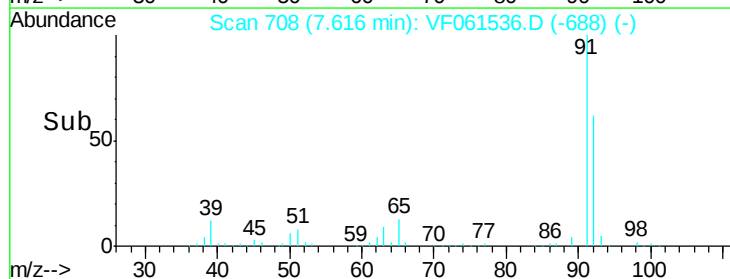
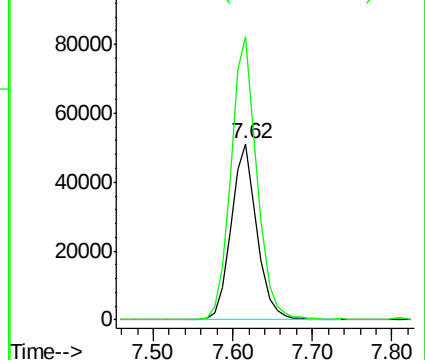
92 100

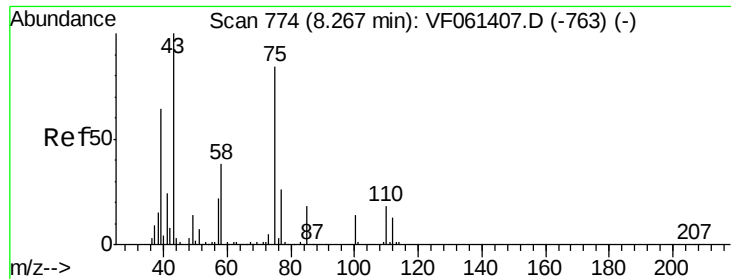
91 160.7 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 18.892 ug/l

RT: 8.27 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

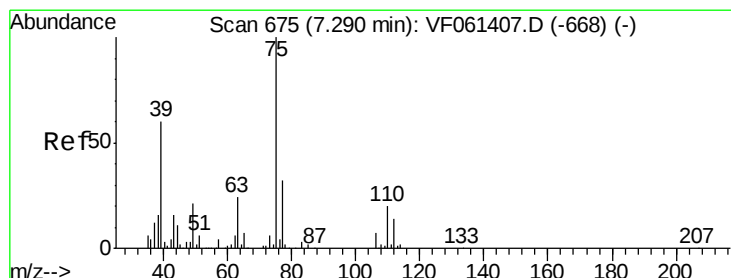
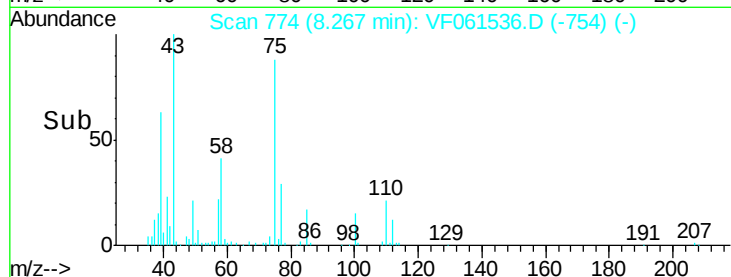
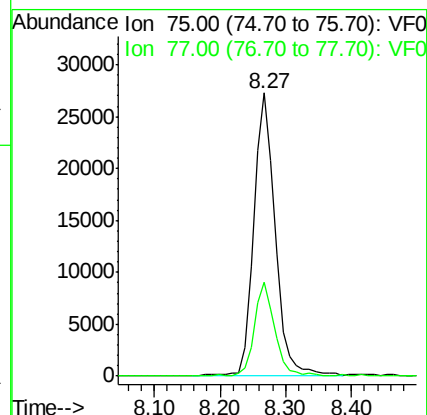
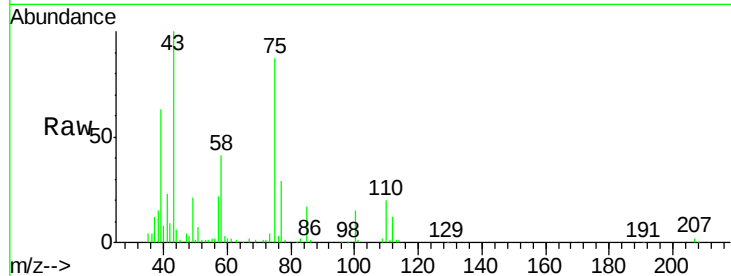
VF0128SBS01

Tot Ion: 75 Resp: 62764

Ion Ratio Lower Upper

75 100

77 33.2 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 18.687 ug/l

RT: 7.29 min Scan# 675

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

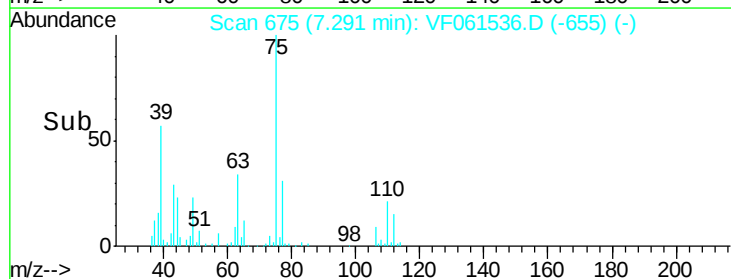
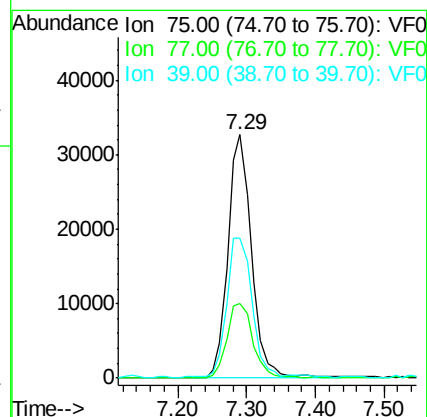
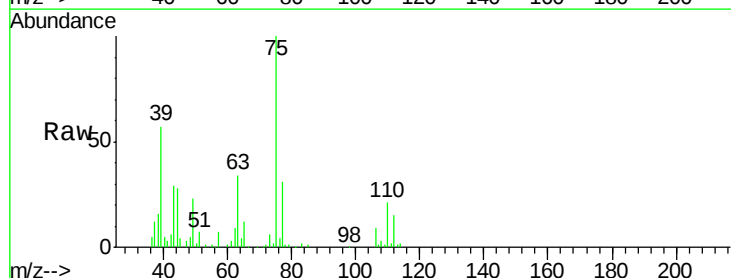
Tgt Ion: 75 Resp: 77605

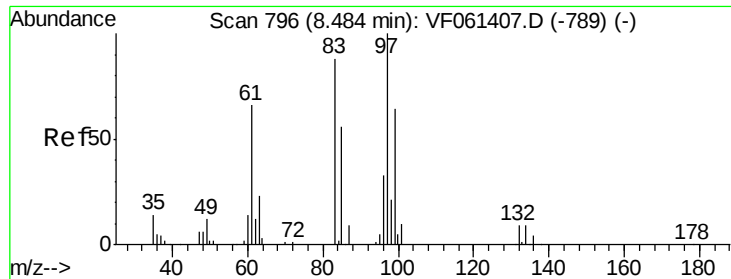
Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0

39 57.3 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 19.417 ug/l

RT: 8.48 min Scan# 796

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion: 97 Resp: 35185

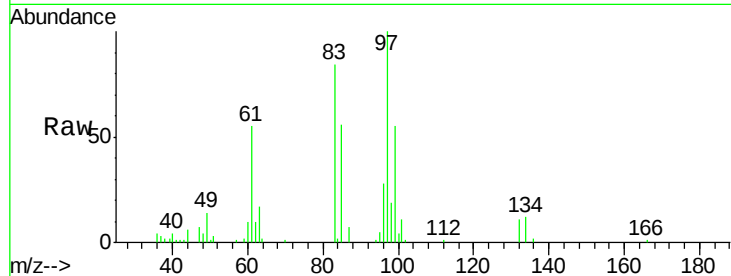
Ion Ratio Lower Upper

97 100

83 84.5 70.4 105.6

85 55.6 44.7 67.1

99 55.3 50.8 76.2

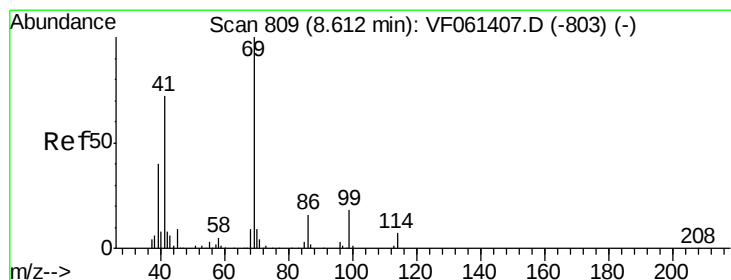
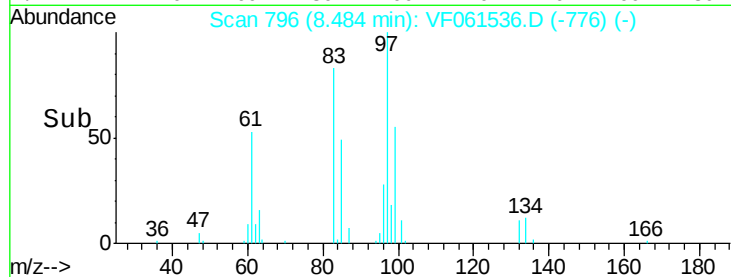
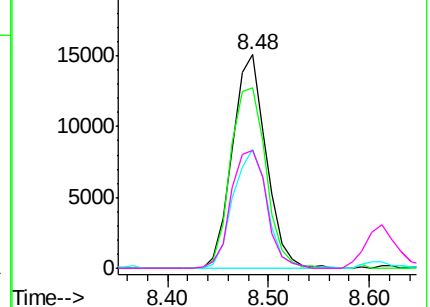


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 16.623 ug/l

RT: 8.61 min Scan# 809

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

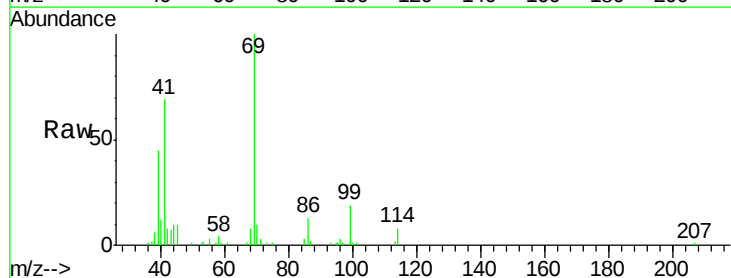
Tgt Ion: 69 Resp: 35045

Ion Ratio Lower Upper

69 100

41 68.5 57.5 86.3

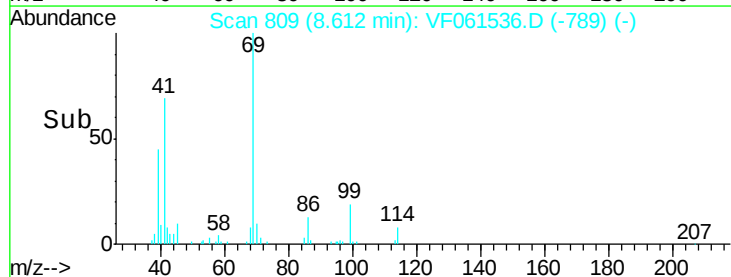
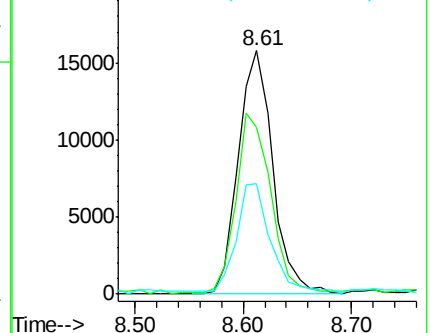
39 45.2 32.0 48.0

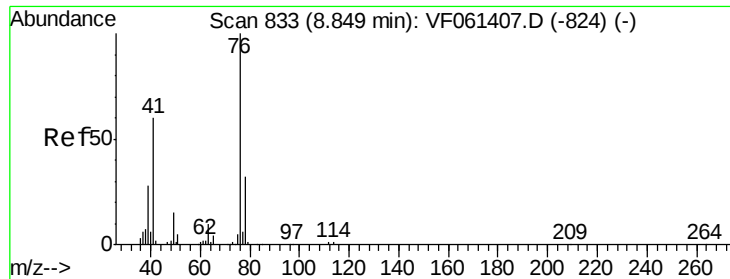


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 17.258 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

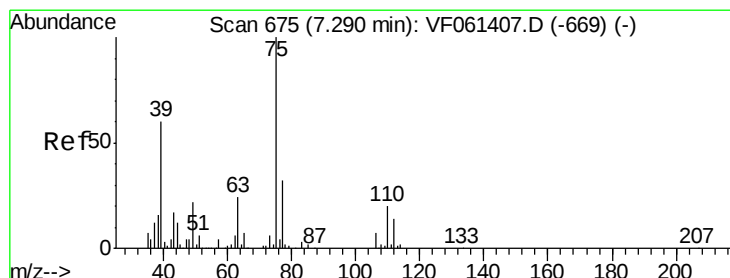
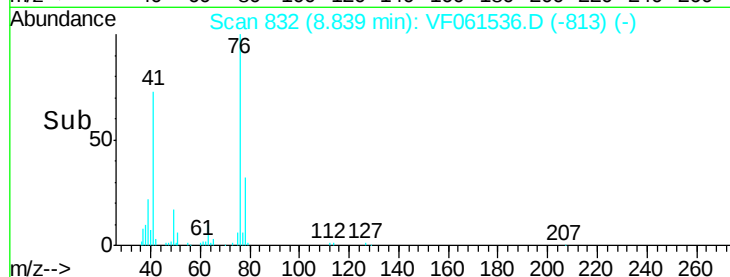
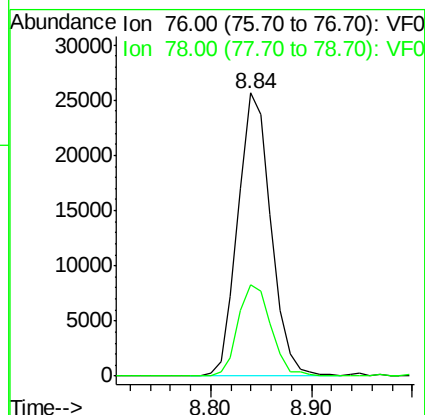
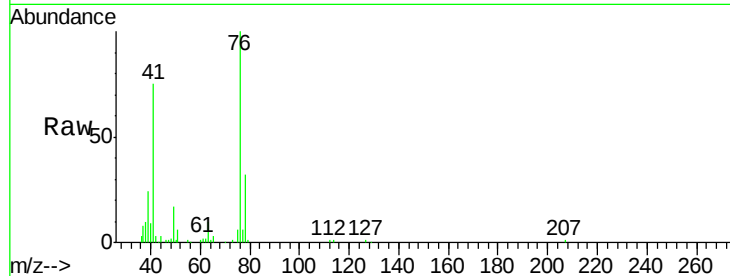
VF0128SBS01

Tot Ion: 76 Resp: 58618

Ion Ratio Lower Upper

76 100

78 32.3 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 144.101 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061536.D

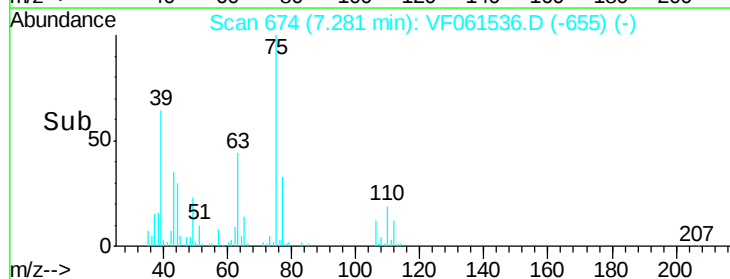
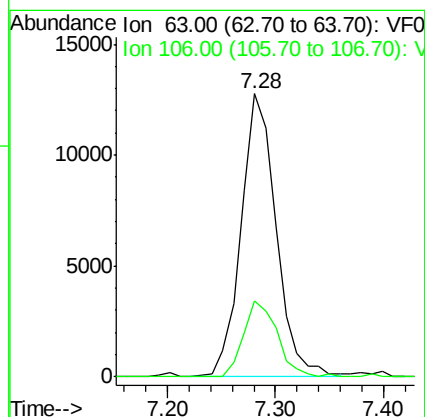
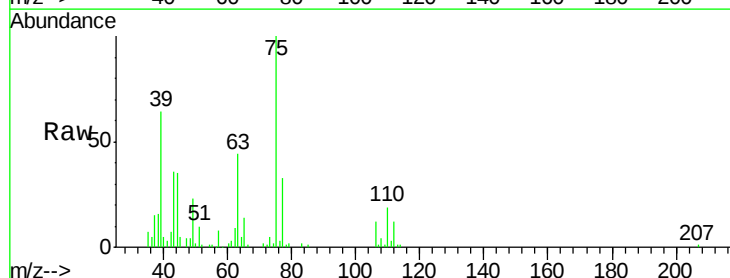
Acq: 28 Jan 2019 12:44

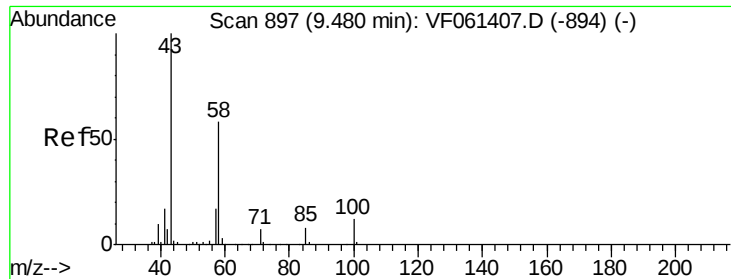
Tgt Ion: 63 Resp: 28961

Ion Ratio Lower Upper

63 100

106 26.7 21.9 32.9

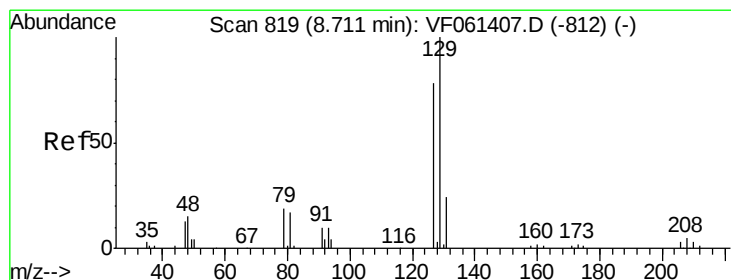
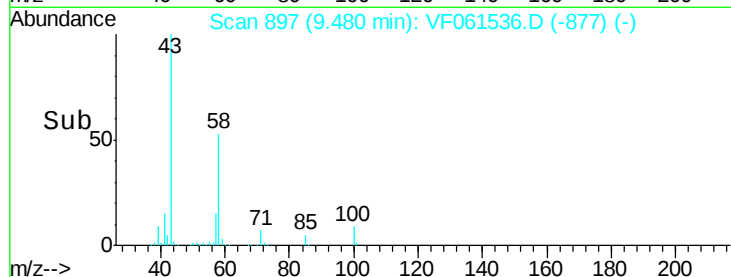
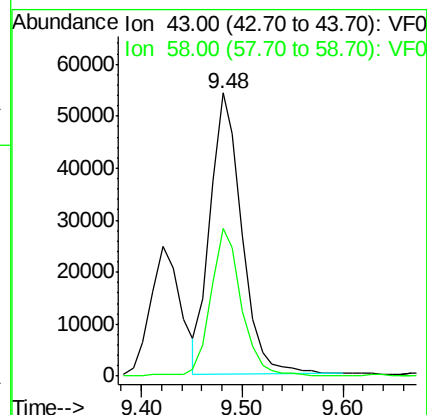
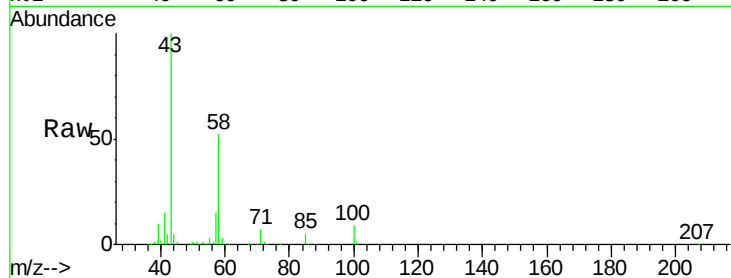




#59
2-Hexanone
Concen: 105.281 ug/l
RT: 9.48 min Scan# 897
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

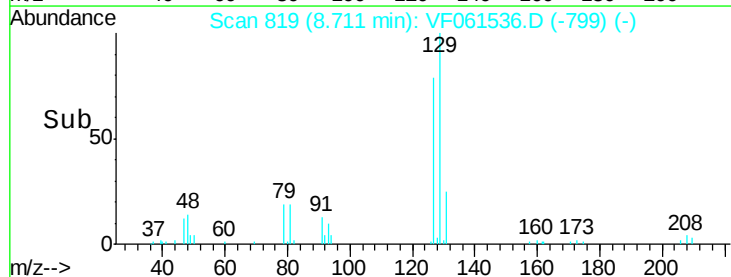
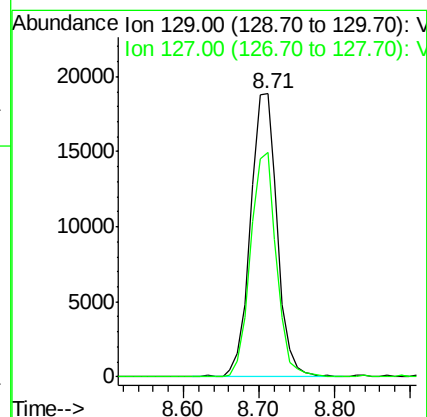
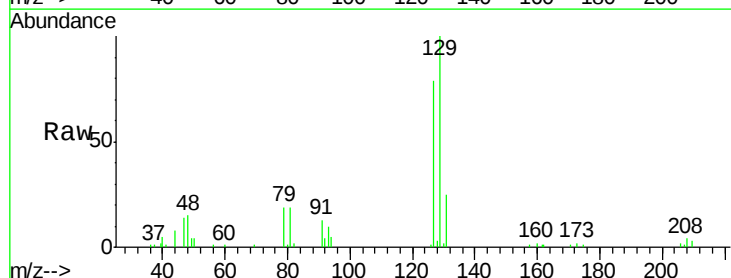
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

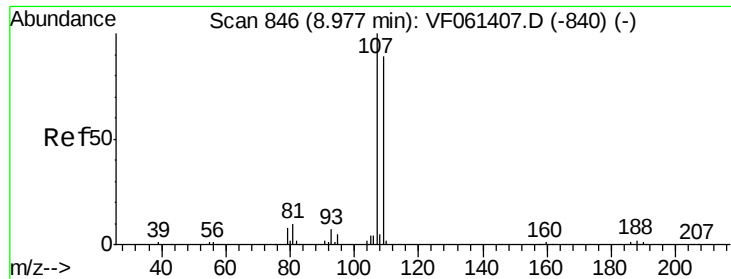
Tot Ion: 43 Resp: 117912
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.6



#60
Dibromochloromethane
Concen: 17.556 ug/l
RT: 8.71 min Scan# 819
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion: 129 Resp: 46509
Ion Ratio Lower Upper
129 100
127 79.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 17.141 ug/l

RT: 8.98 min Scan# 846

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

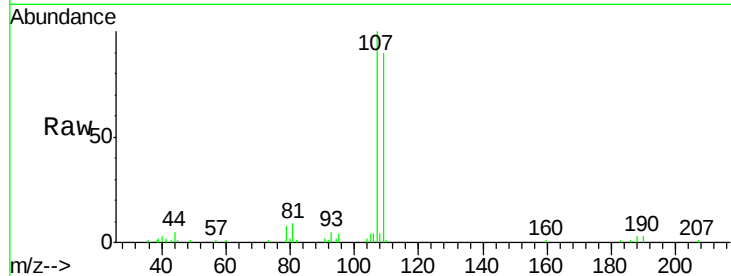
VF0128SBS01

Tot Ion:107 Resp: 35559

Ion Ratio Lower Upper

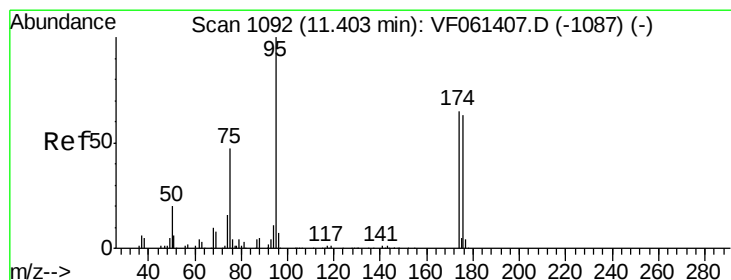
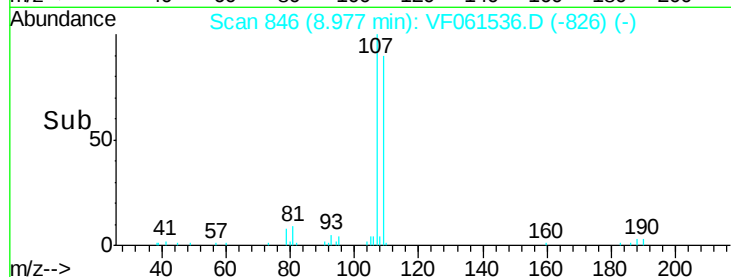
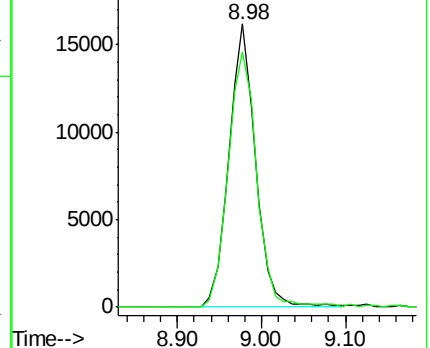
107 100

109 90.0 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: 43.683 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

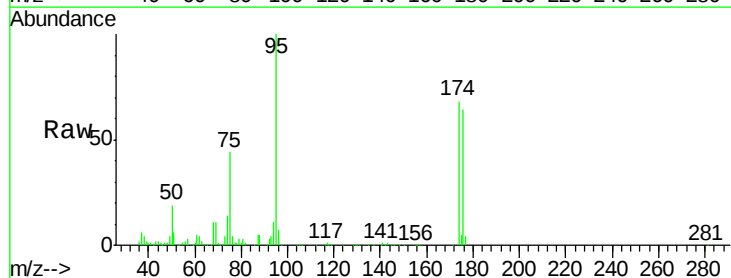
Tgt Ion: 95 Resp: 165729

Ion Ratio Lower Upper

95 100

174 68.2 0.0 130.4

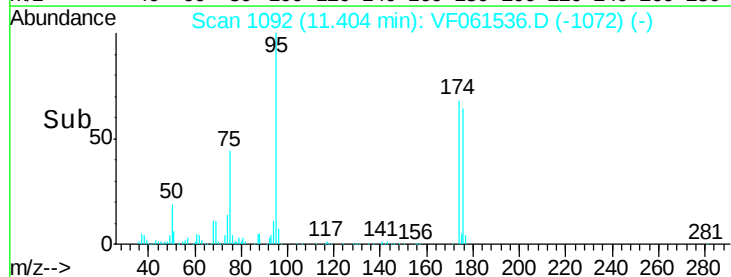
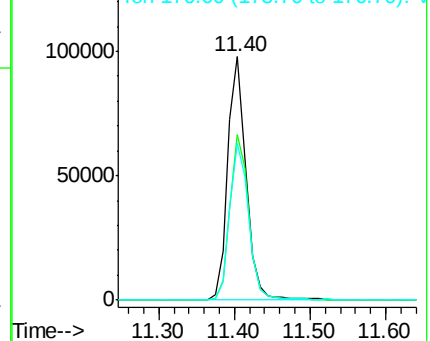
176 64.3 0.0 126.2

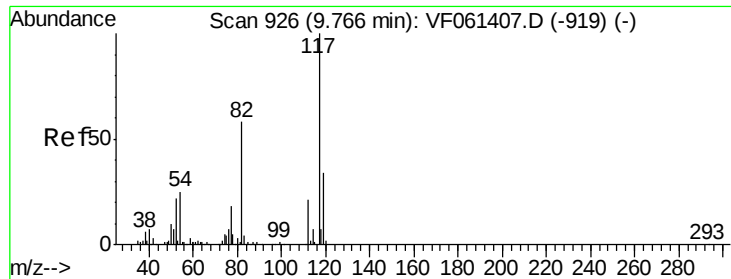


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

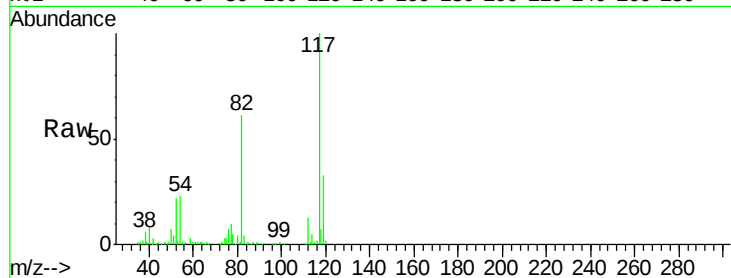




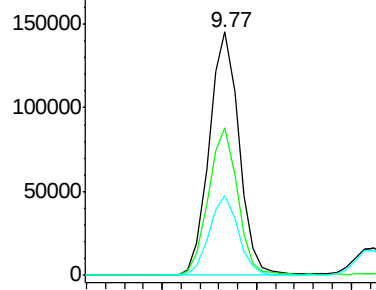
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

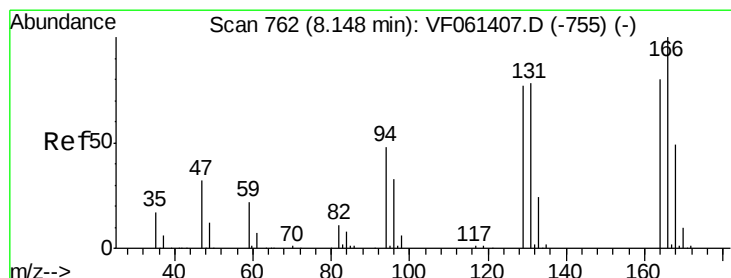
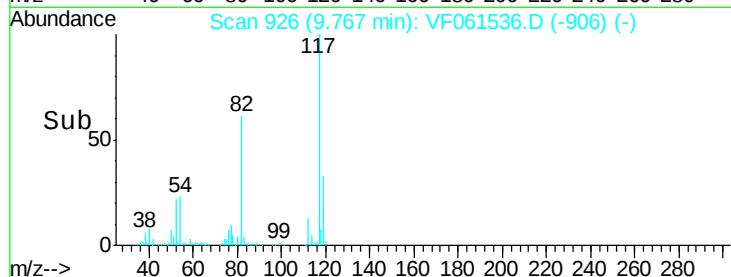
Tot Ion:117 Resp: 318528
Ion Ratio Lower Upper
117 100
82 60.7 46.4 69.6
119 32.9 27.2 40.8



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

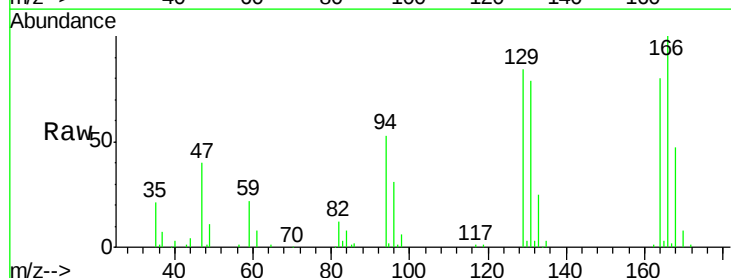


Time-->

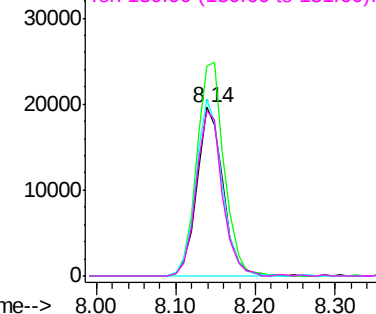


#64
Tetrachloroethene
Concen: 18.935 ug/l
RT: 8.14 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

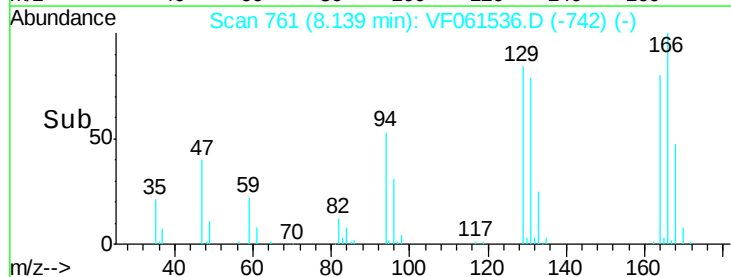
Tgt Ion:164 Resp: 45356
Ion Ratio Lower Upper
164 100
166 124.5 99.6 149.4
129 104.5 76.4 114.6
131 98.0 77.9 116.9

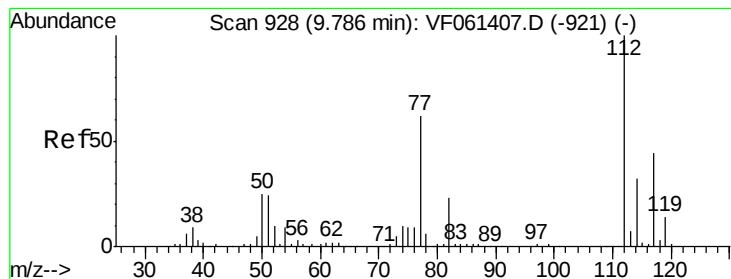


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



Time-->





#65

Chlorobenzene

Concen: 19.492 ug/l

RT: 9.79 min Scan# 928

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

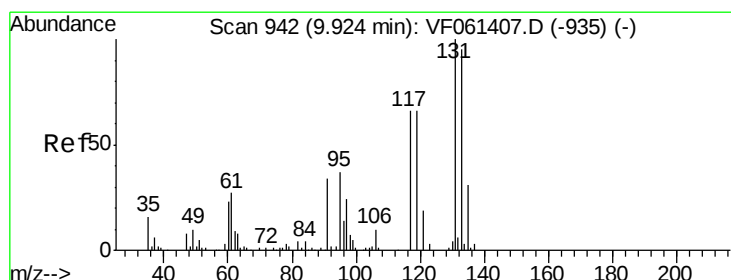
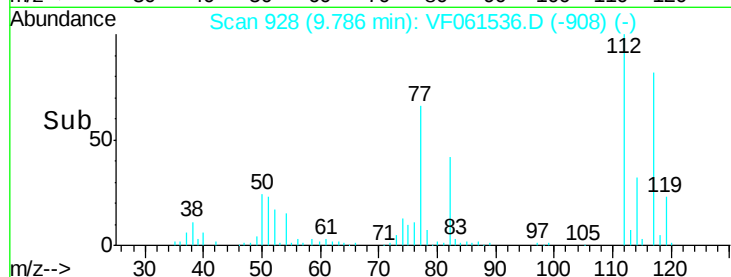
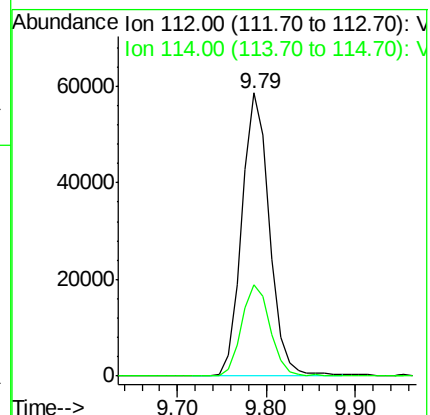
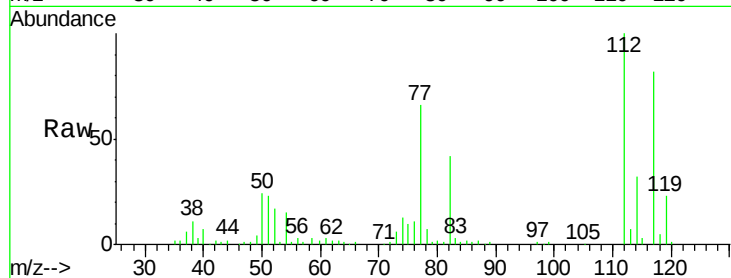
VF0128SBS01

Tot Ion:112 Resp: 126262

Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 19.681 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

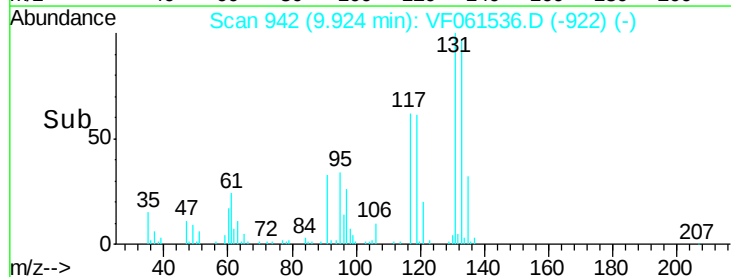
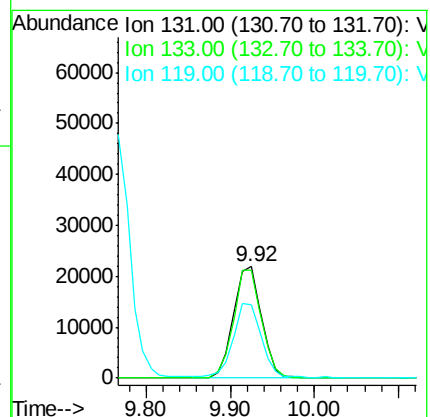
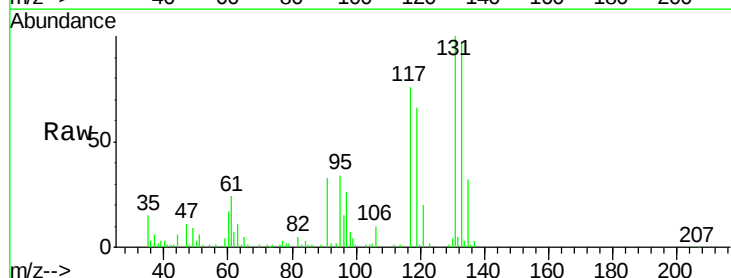
Tgt Ion:131 Resp: 50786

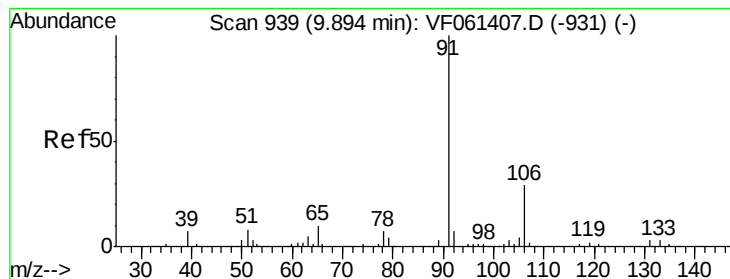
Ion Ratio Lower Upper

131 100

133 96.5 47.4 142.2

119 66.0 33.1 99.3





#67

Ethyl Benzene

Concen: 19.322 ug/l

RT: 9.89 min Scan# 939

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

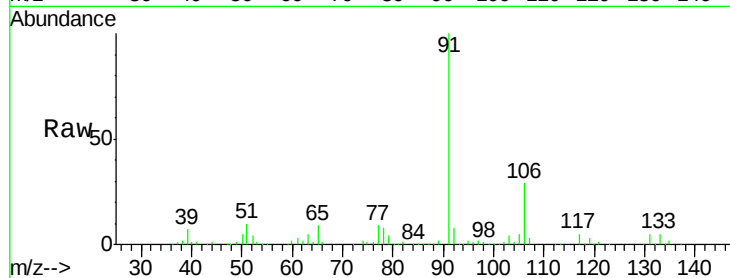
VF0128SBS01

Tot Ion: 91 Resp: 228672

Ion Ratio Lower Upper

91 100

106 28.7 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

9.89

100000

80000

60000

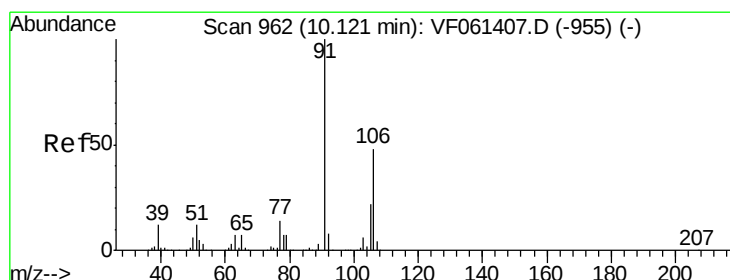
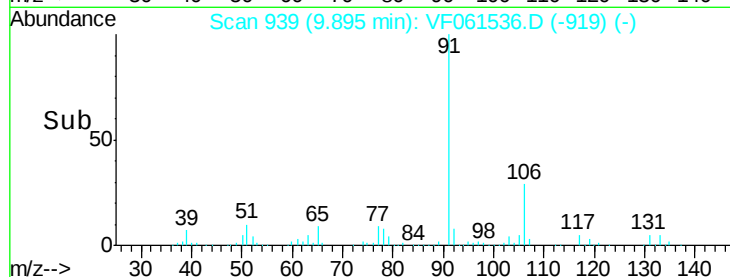
40000

20000

0

9.80 9.90 10.00

Time-->



#68

m/p-Xylenes

Concen: 40.361 ug/l

RT: 10.12 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF061536.D

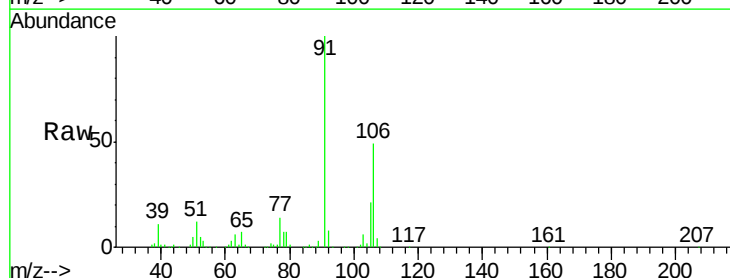
Acq: 28 Jan 2019 12:44

Tgt Ion: 106 Resp: 171800

Ion Ratio Lower Upper

106 100

91 205.6 166.2 249.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

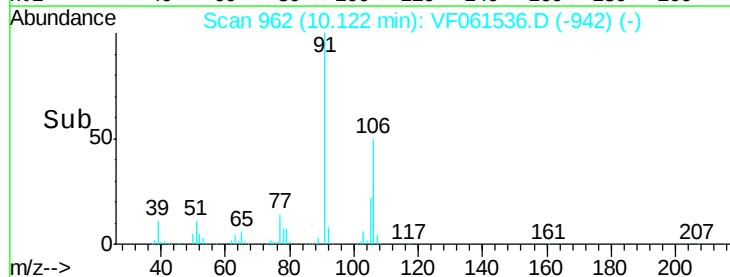
100000

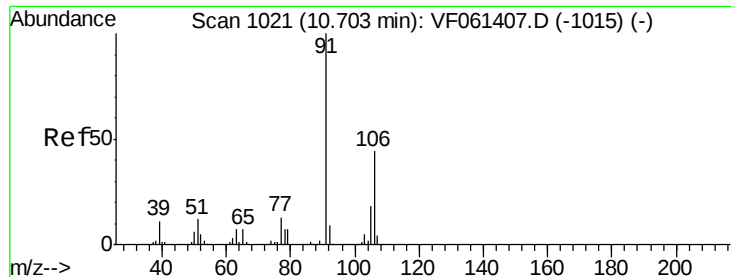
50000

0

10.10 10.12 10.20

Time-->

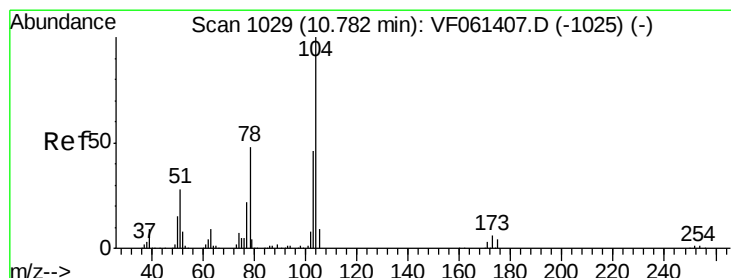
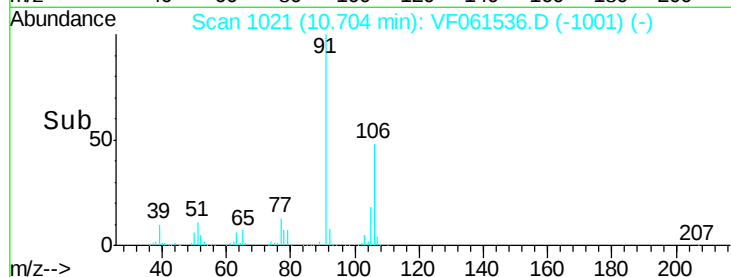
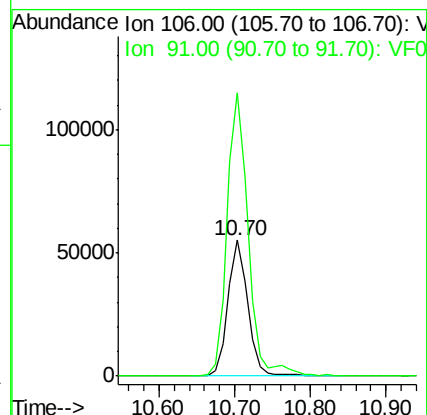
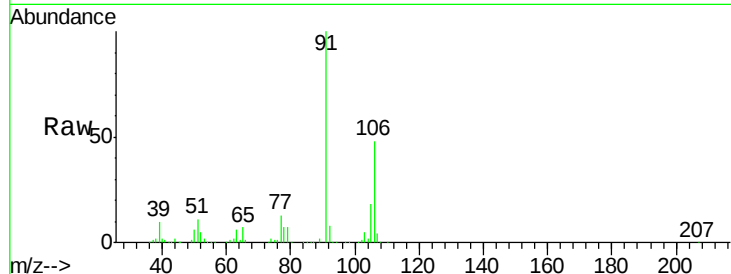




#69
o-Xylene
Concen: 21.798 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

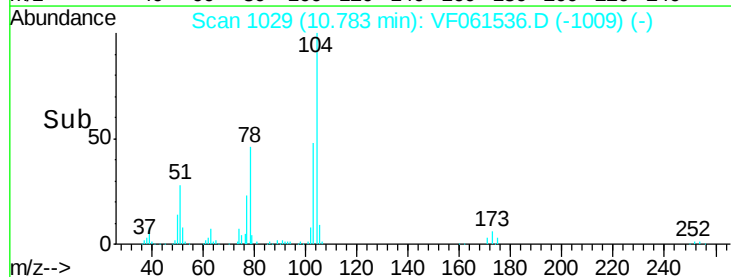
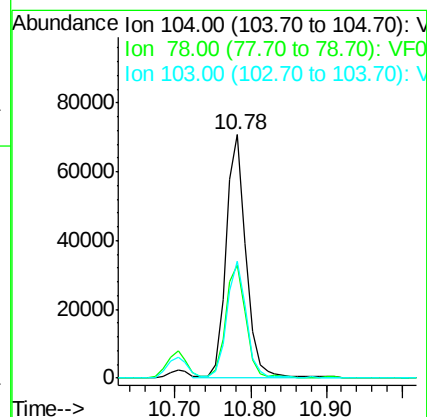
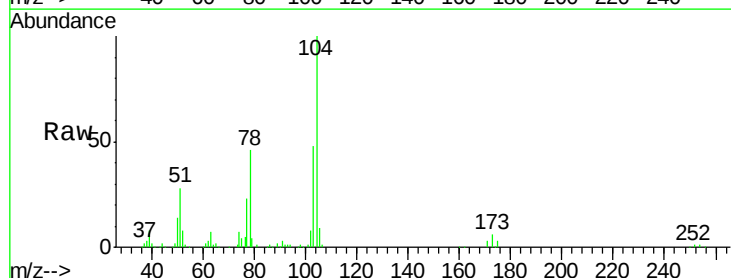
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

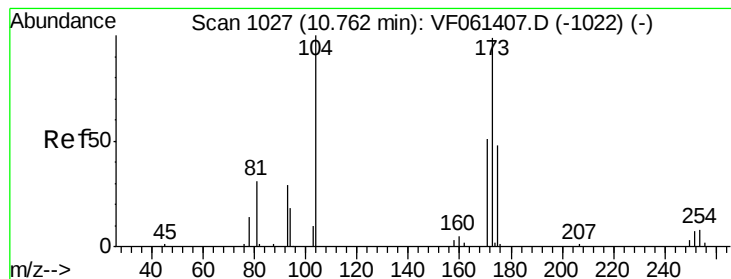
Tot Ion:106 Resp: 100559
Ion Ratio Lower Upper
106 100
91 208.5 113.3 339.8



#70
Styrene
Concen: 20.463 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VF061536.D
Acq: 28 Jan 2019 12:44

Tgt Ion:104 Resp: 129221
Ion Ratio Lower Upper
104 100
78 46.4 38.8 58.2
103 48.1 37.0 55.6





#71

Bromoform

Concen: 21.676 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

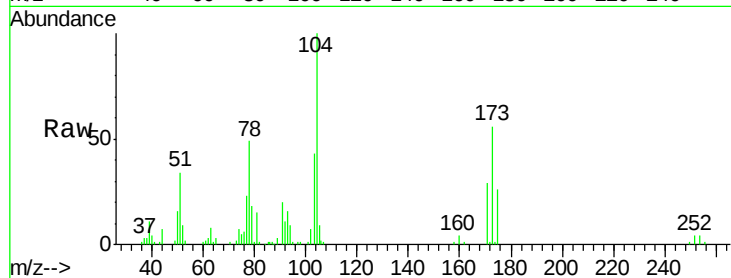
Tot Ion:173 Resp: 25131

Ion Ratio Lower Upper

173 100

175 46.8 24.1 72.4

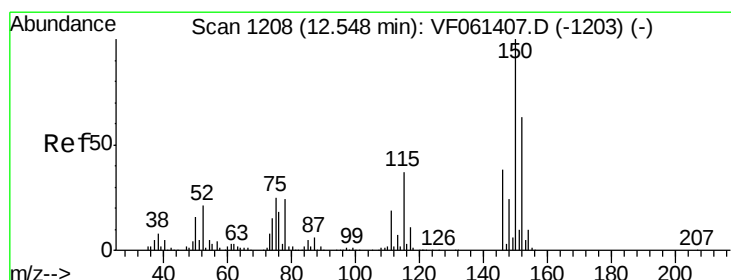
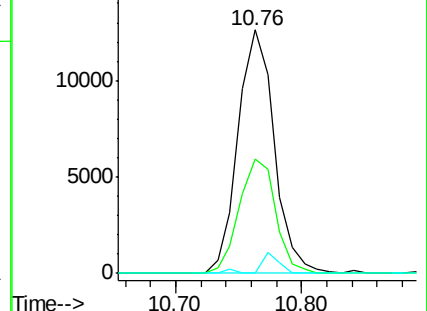
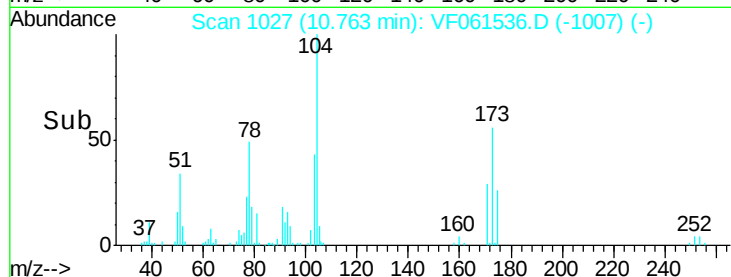
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

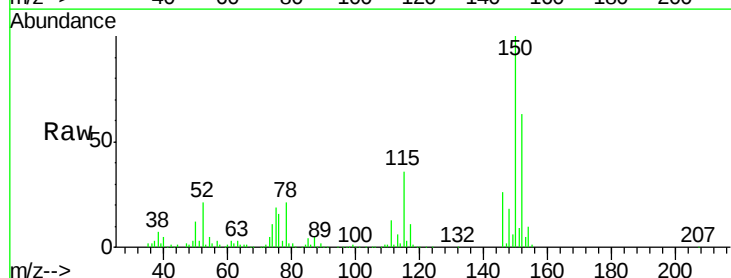
Tgt Ion:152 Resp: 150862

Ion Ratio Lower Upper

152 100

115 56.8 30.0 90.0

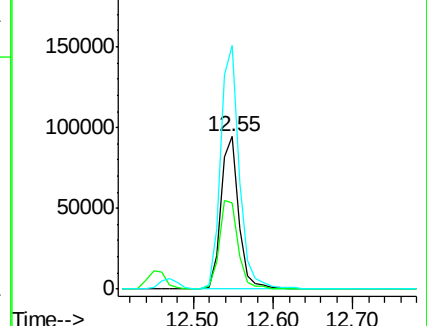
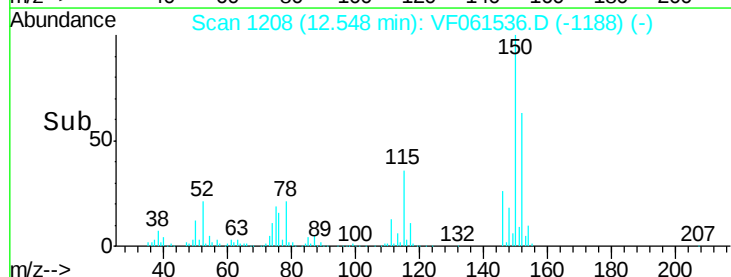
150 159.7 0.0 321.4

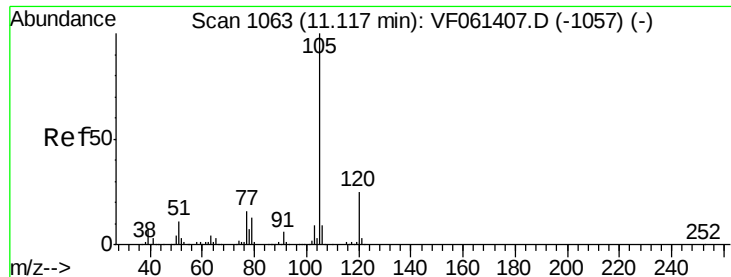


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.211 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

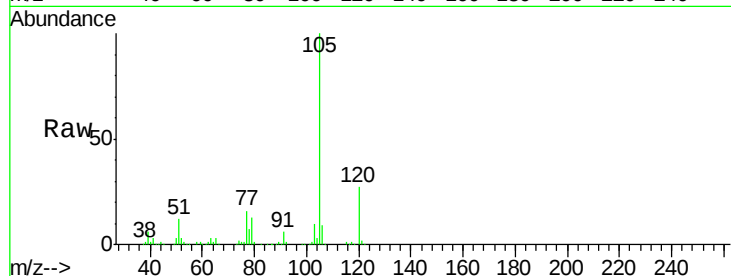
VF0128SBS01

Tot Ion:105 Resp: 284792

Ion Ratio Lower Upper

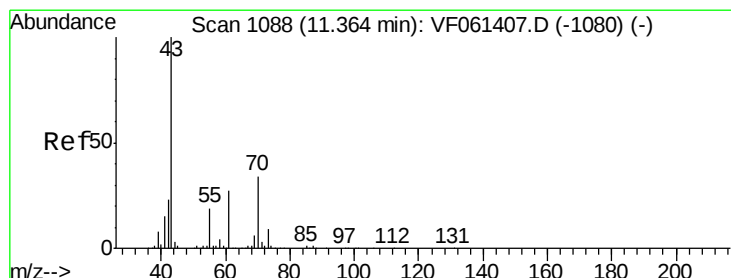
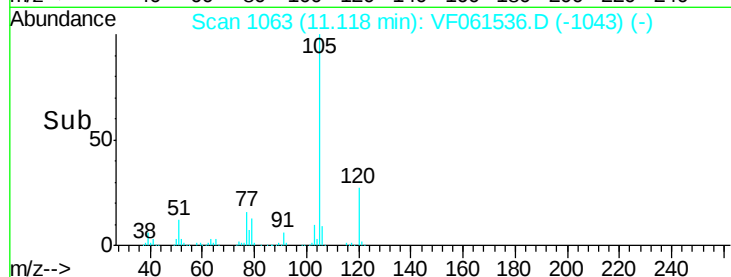
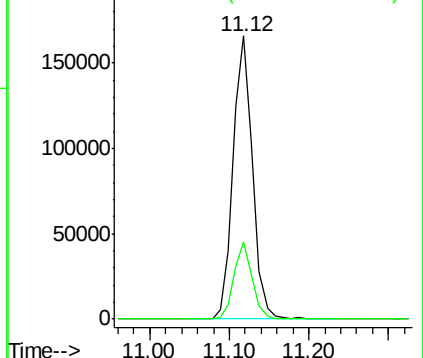
105 100

120 27.3 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 25.144 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Tgt Ion: 43 Resp: 72953

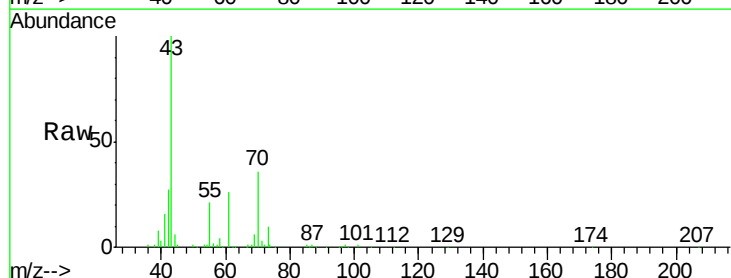
Ion Ratio Lower Upper

43 100

70 35.8 27.6 41.4

55 21.1 15.4 23.2

61 26.5 21.8 32.6

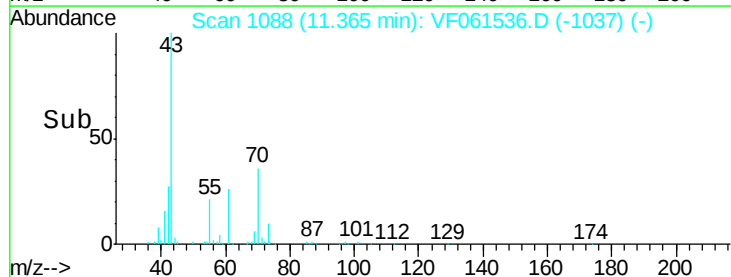
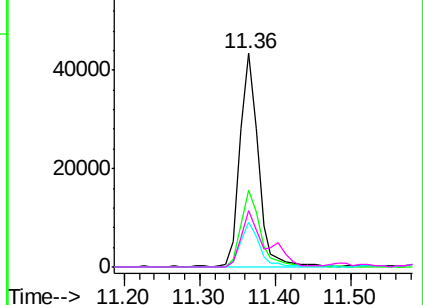


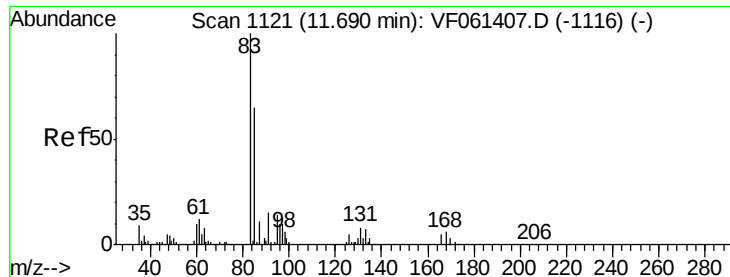
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.671 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

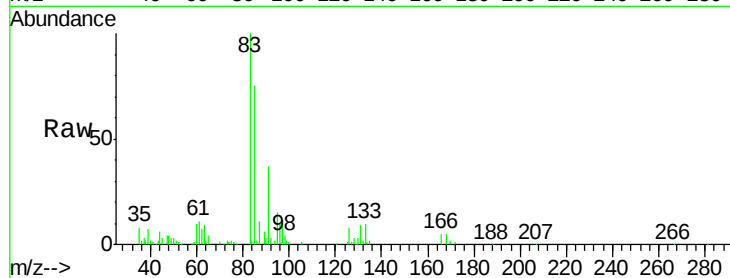
Tot Ion: 83 Resp: 47369

Ion Ratio Lower Upper

83 100

131 9.1 4.0 12.2

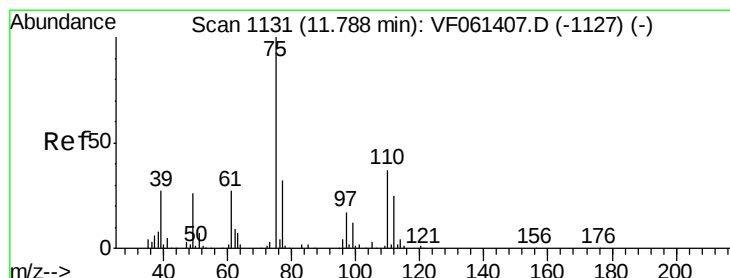
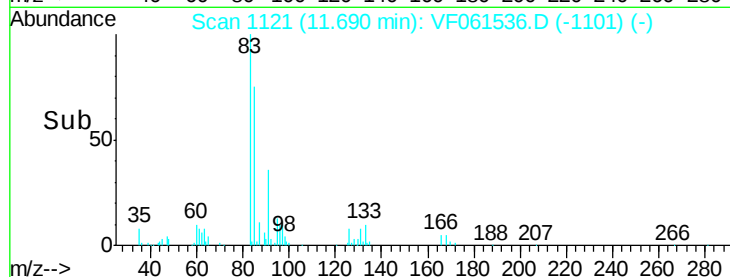
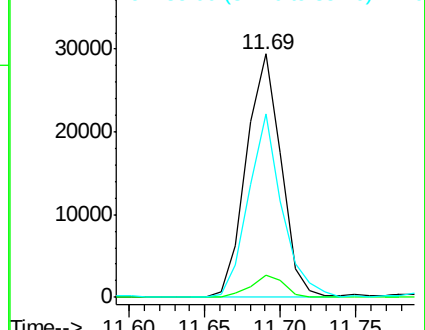
85 75.4 32.7 98.1



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: 20.791 ug/l

RT: 11.79 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF061536.D

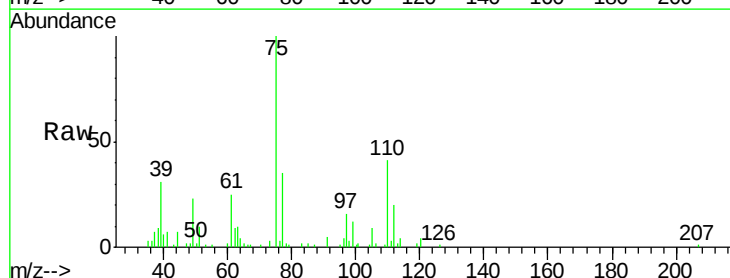
Acq: 28 Jan 2019 12:44

Tgt Ion: 75 Resp: 32655

Ion Ratio Lower Upper

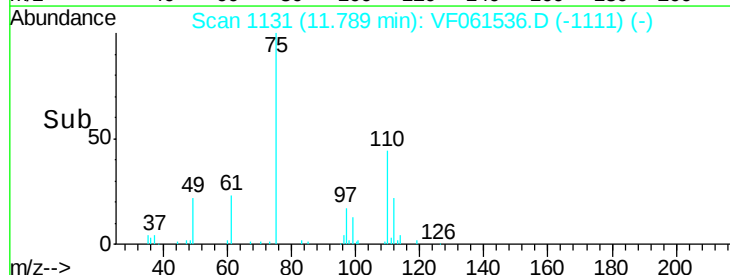
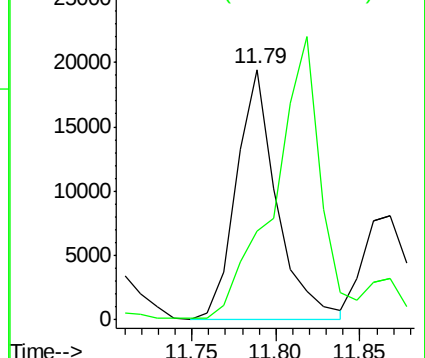
75 100

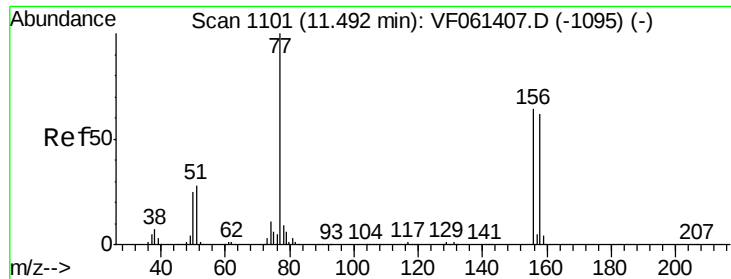
77 35.3 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.219 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

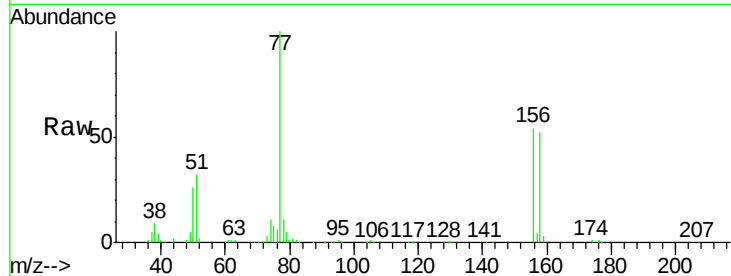
Tot Ion:156 Resp: 54985

Ion Ratio Lower Upper

156 100

77 183.8 78.3 234.9

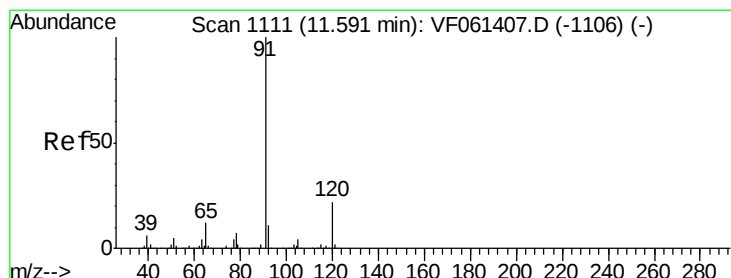
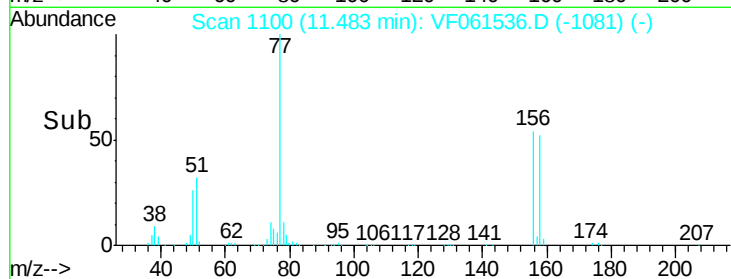
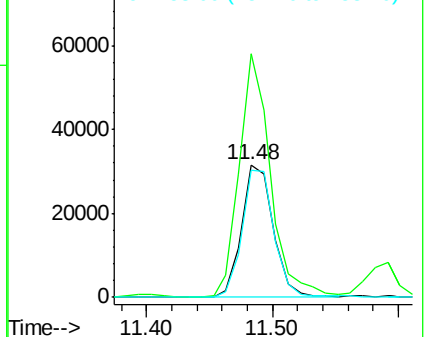
158 95.8 48.9 146.7



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: 20.745 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF061536.D

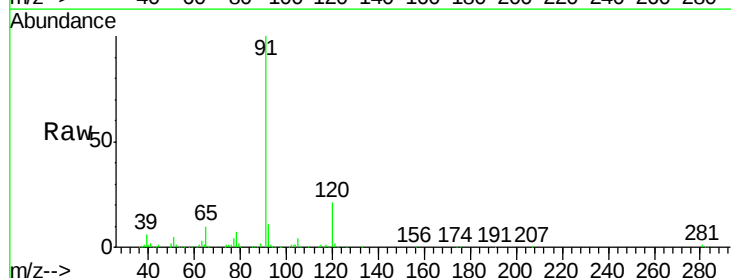
Acq: 28 Jan 2019 12:44

Tgt Ion: 91 Resp: 331220

Ion Ratio Lower Upper

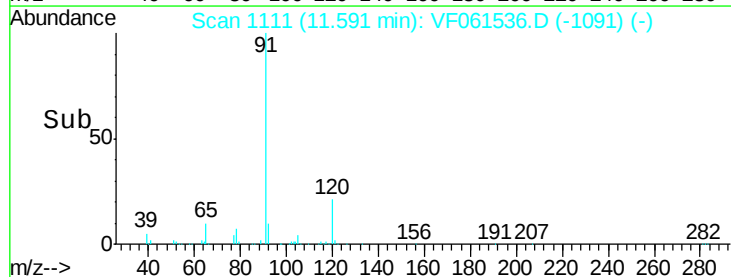
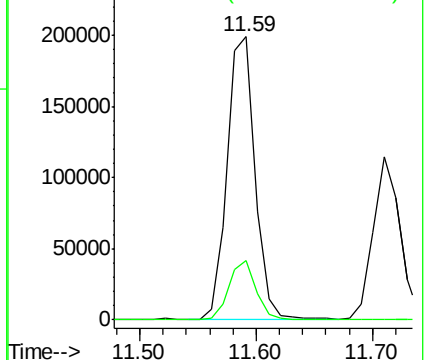
91 100

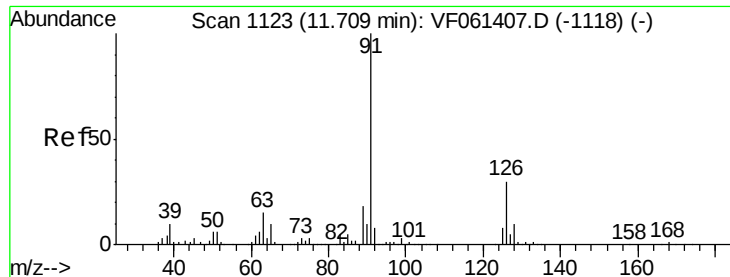
120 20.9 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.305 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

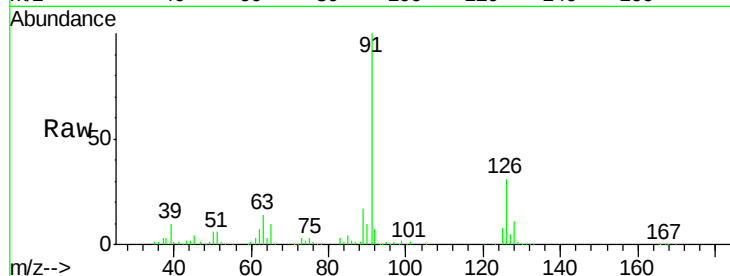
VF0128SBS01

Tot Ion: 91 Resp: 181374

Ion Ratio Lower Upper

91 100

126 30.6 15.0 45.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

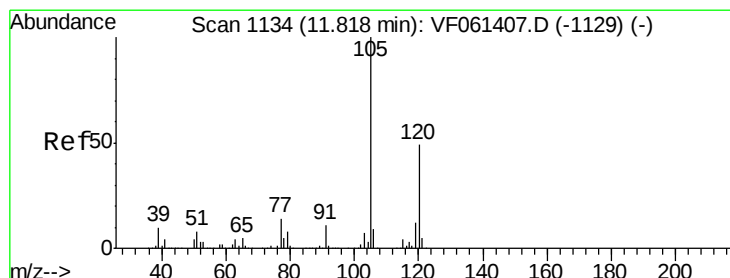
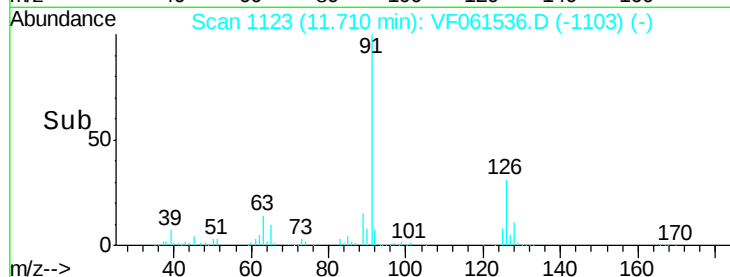
11.71

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.206 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF061536.D

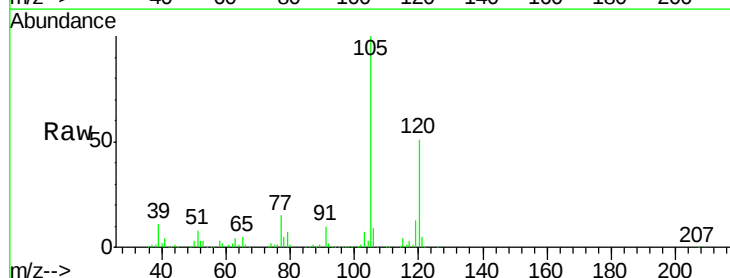
Acq: 28 Jan 2019 12:44

Tgt Ion:105 Resp: 219882

Ion Ratio Lower Upper

105 100

120 51.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.82

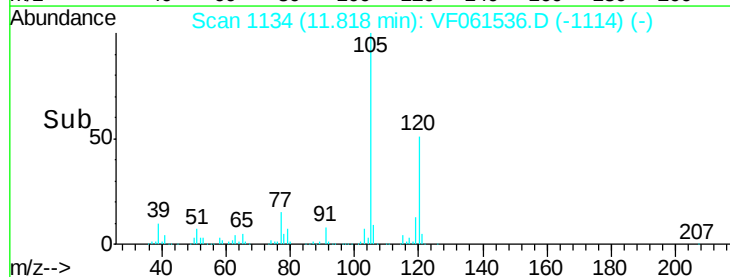
150000

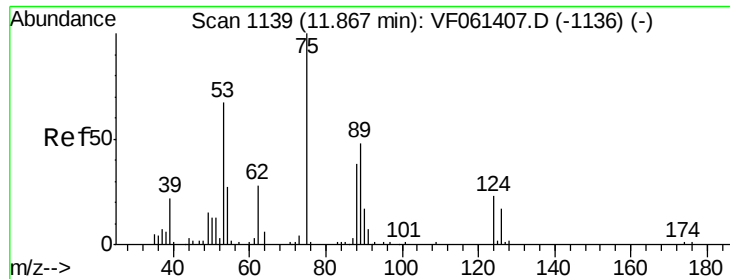
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 29.420 ug/l

RT: 11.87 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

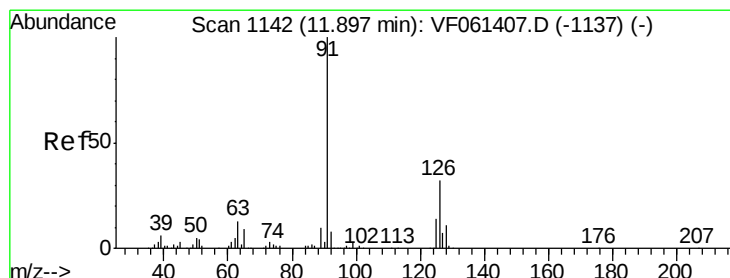
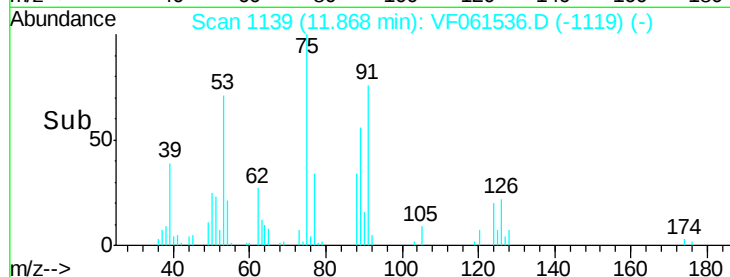
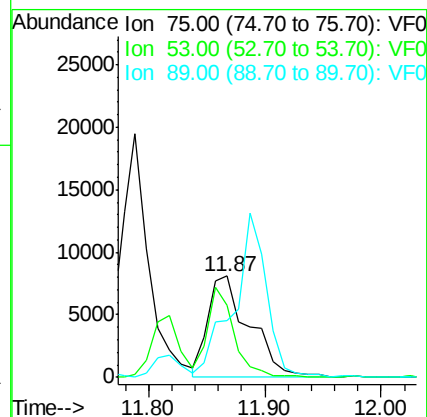
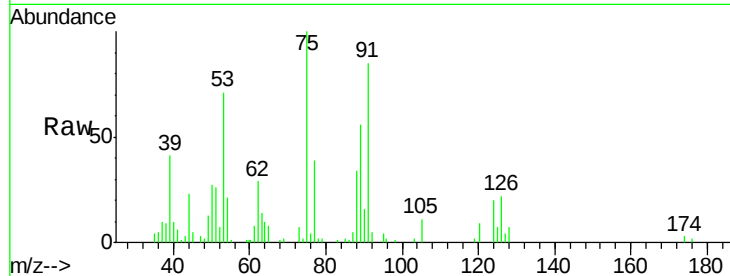
Tot Ion: 75 Resp: 20087

Ion Ratio Lower Upper

75 100

53 70.9 57.8 86.6

89 56.5 40.7 61.1



#82

4-Chlorotoluene

Concen: 21.404 ug/l

RT: 11.89 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061536.D

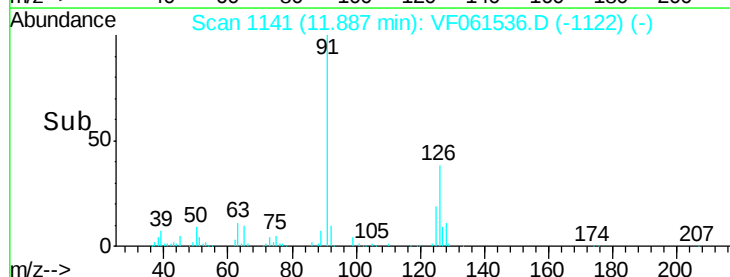
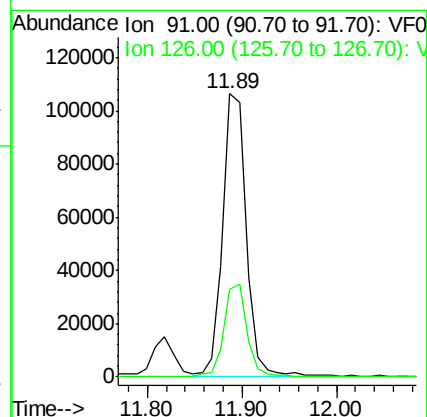
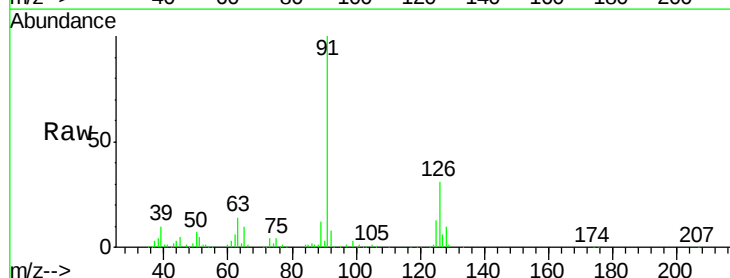
Acq: 28 Jan 2019 12:44

Tgt Ion: 91 Resp: 183880

Ion Ratio Lower Upper

91 100

126 31.0 16.0 47.9

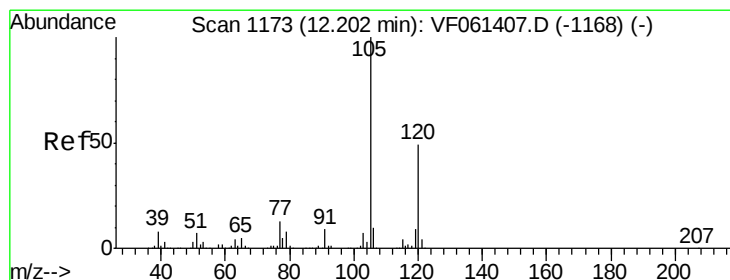
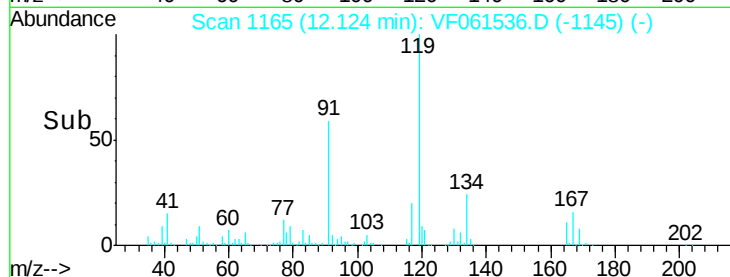
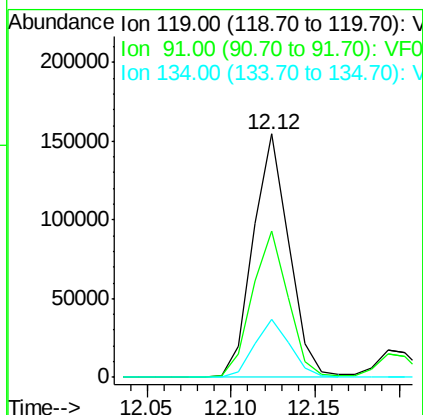
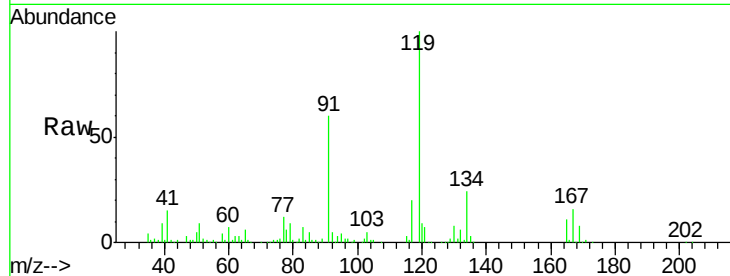




#83
 tert-Butylbenzene
 Concen: 22.382 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

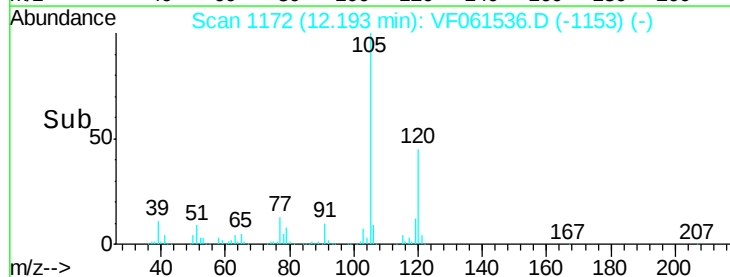
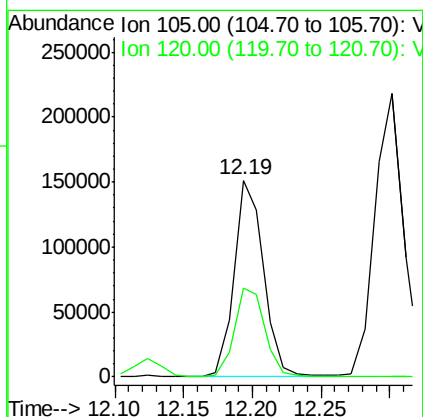
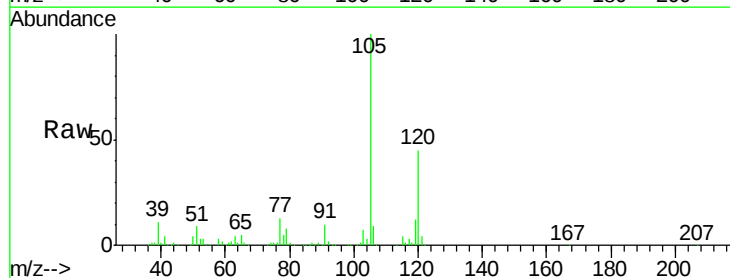
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Tot Ion:119 Resp: 229389
 Ion Ratio Lower Upper
 119 100
 91 60.3 31.3 93.8
 134 23.8 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 22.109 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Tgt Ion:105 Resp: 225498
 Ion Ratio Lower Upper
 105 100
 120 45.4 24.9 74.6

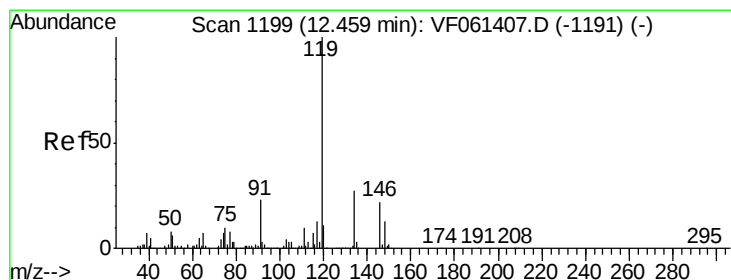
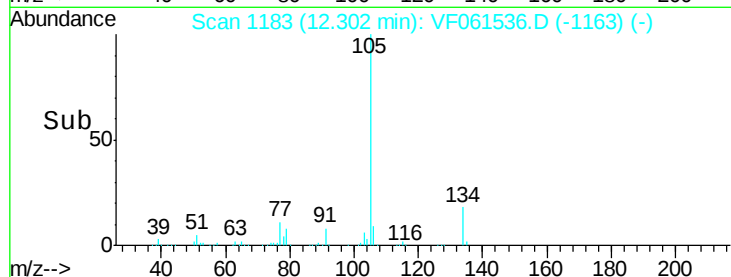
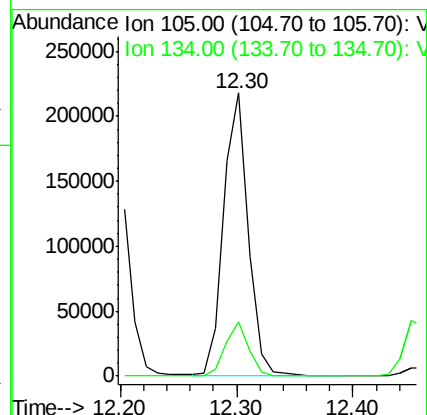
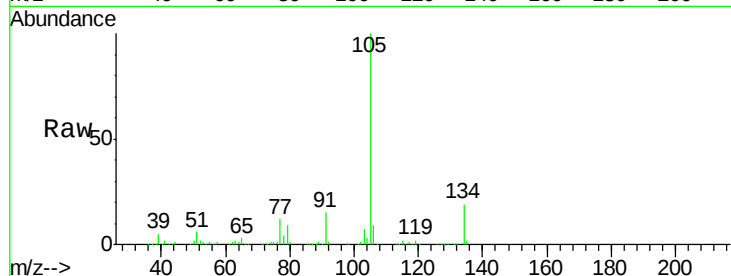




#85
 sec-Butylbenzene
 Concen: 22.900 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

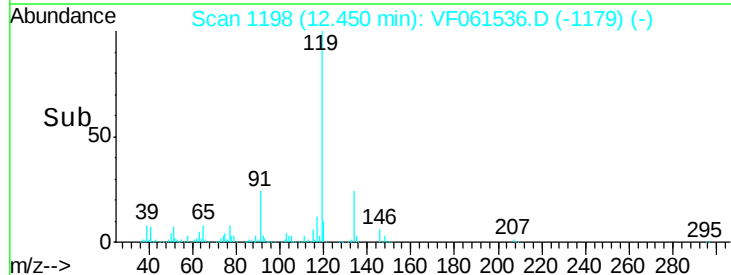
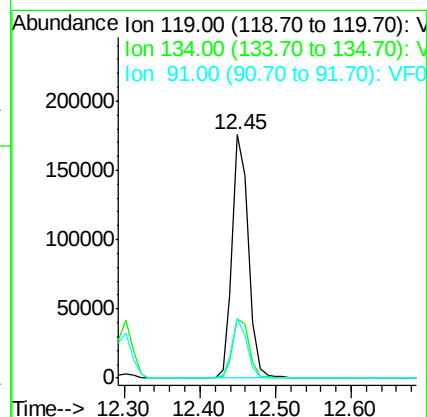
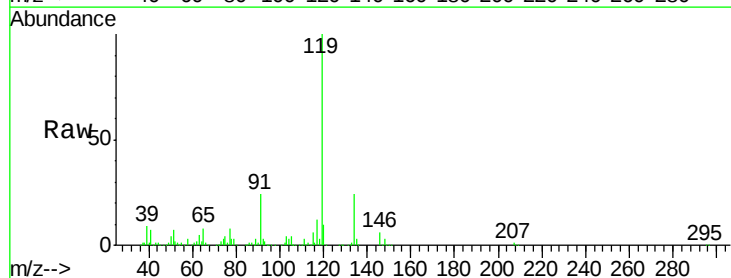
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

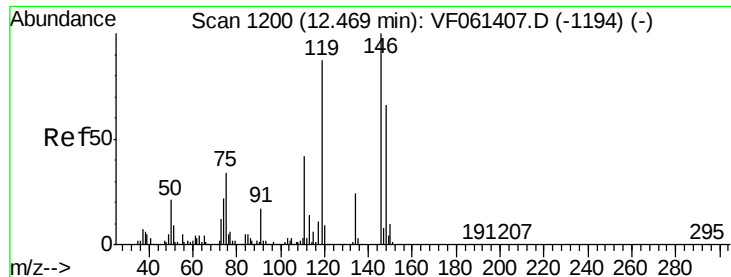
Tot Ion:105 Resp: 318728
 Ion Ratio Lower Upper
 105 100
 134 19.3 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 22.890 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Tgt Ion:119 Resp: 261527
 Ion Ratio Lower Upper
 119 100
 134 24.2 13.4 40.2
 91 24.3 11.4 34.2

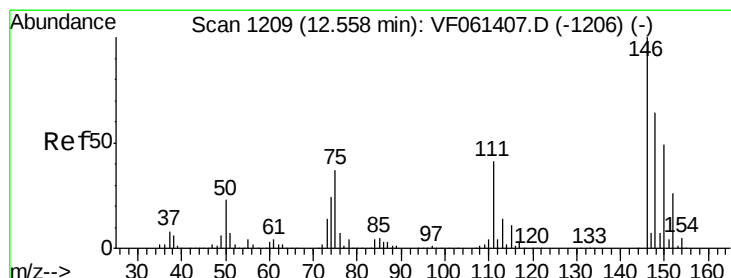
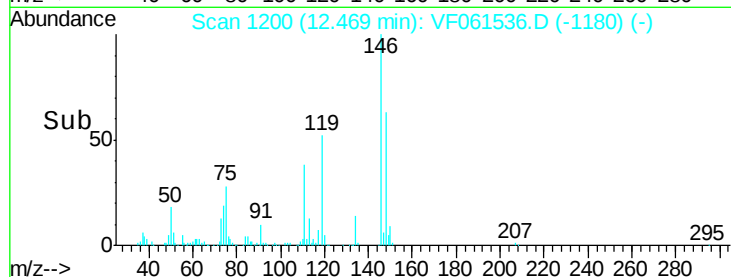
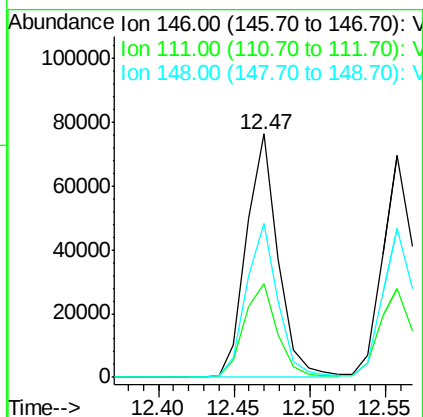
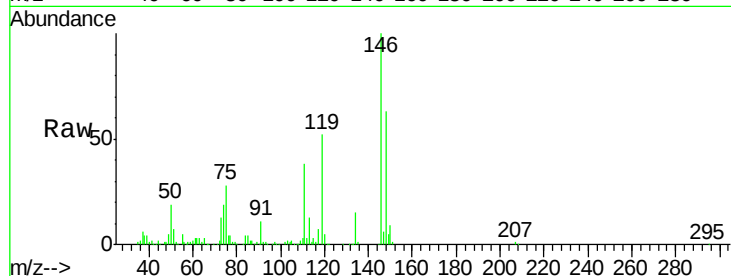




#87
 1,3-Dichlorobenzene
 Concen: 20.450 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

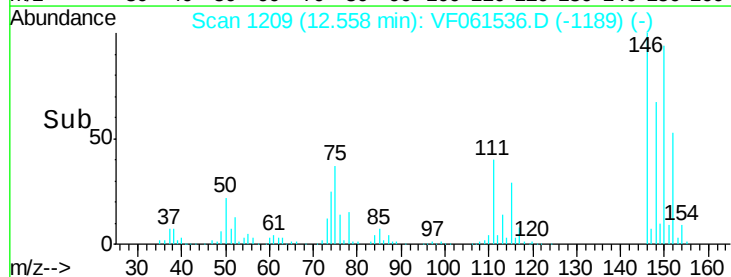
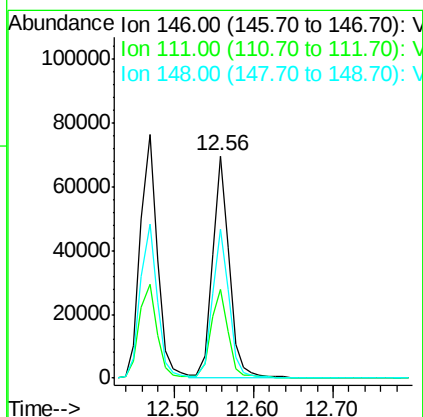
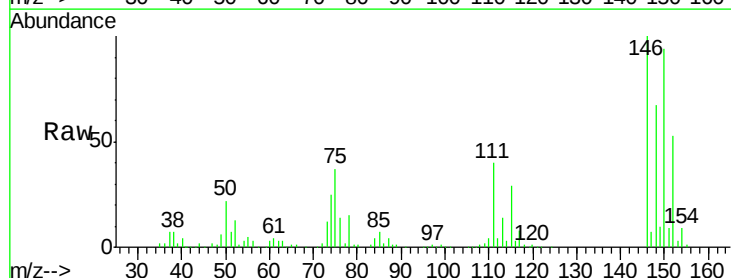
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

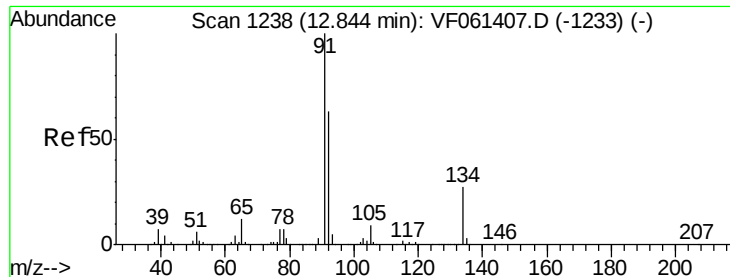
Tot Ion:146 Resp: 111282
 Ion Ratio Lower Upper
 146 100
 111 38.3 21.1 63.4
 148 63.1 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 21.113 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Tgt Ion:146 Resp: 103385
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.8 62.2
 148 67.1 32.1 96.5





#89

n-Butylbenzene

Concen: 23.025 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

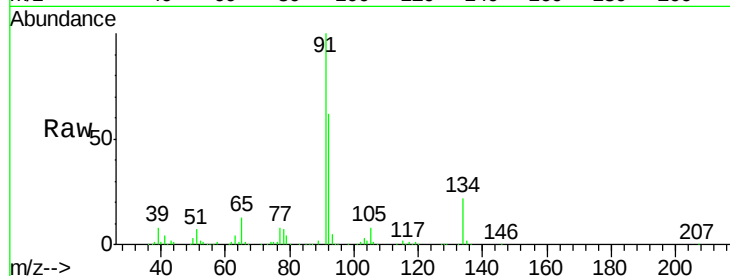
Tot Ion: 91 Resp: 271304

Ion Ratio Lower Upper

91 100

92 61.9 31.6 94.7

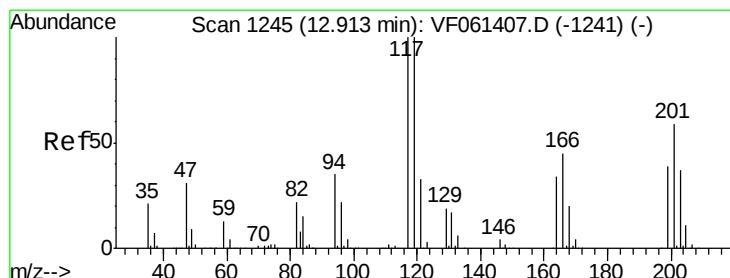
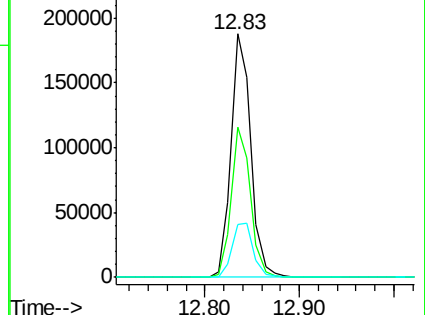
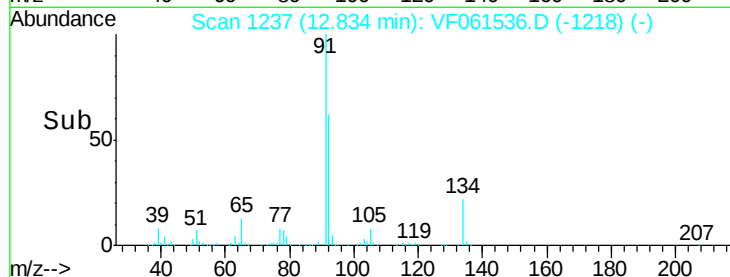
134 21.8 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 23.313 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VF061536.D

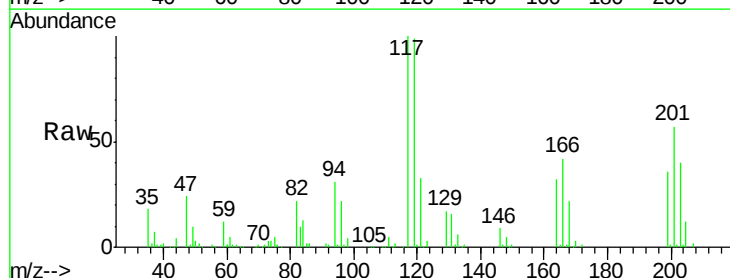
Acq: 28 Jan 2019 12:44

Tgt Ion: 117 Resp: 62786

Ion Ratio Lower Upper

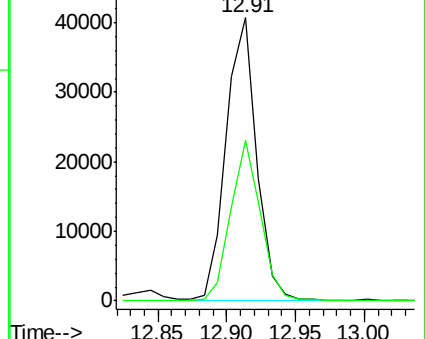
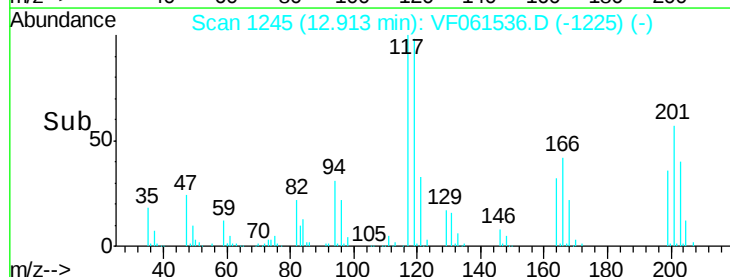
117 100

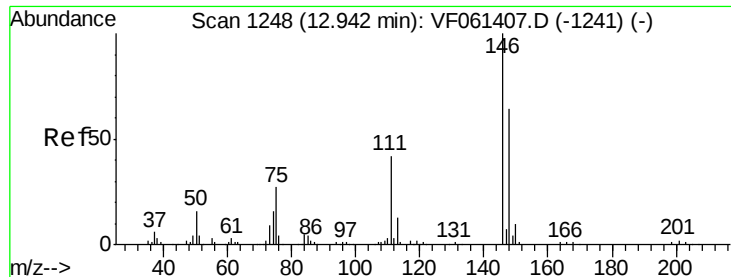
201 58.2 29.3 87.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

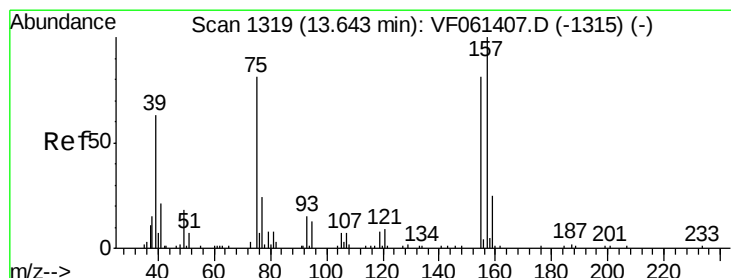
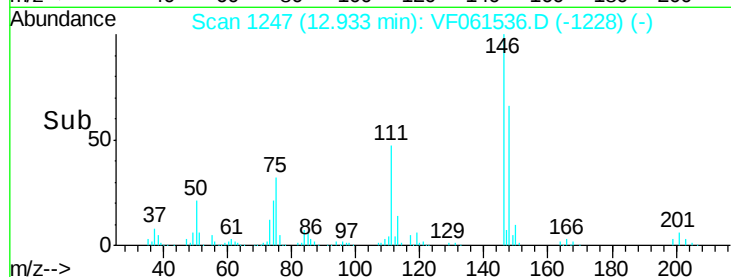
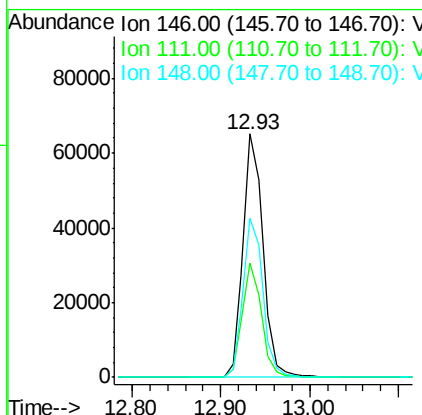
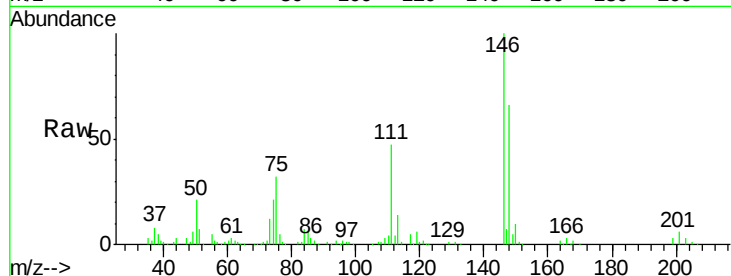




#91
 1,2-Dichlorobenzene
 Concen: 21.051 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

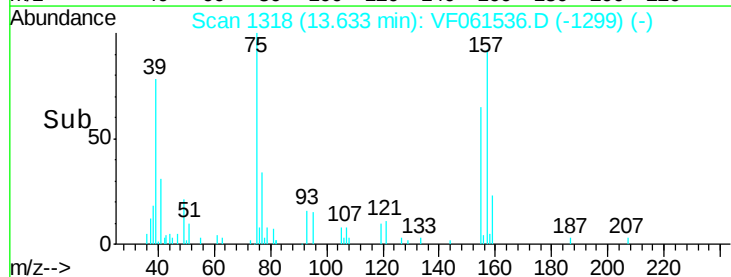
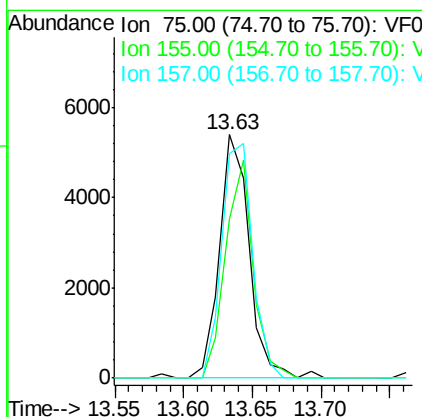
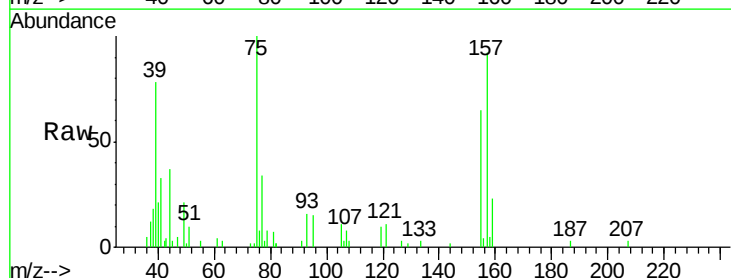
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Tot Ion:146 Resp: 102042
 Ion Ratio Lower Upper
 146 100
 111 46.9 21.1 63.3
 148 65.6 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.805 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Tgt Ion: 75 Resp: 8066
 Ion Ratio Lower Upper
 75 100
 155 65.1 49.7 149.1
 157 92.0 61.4 184.1

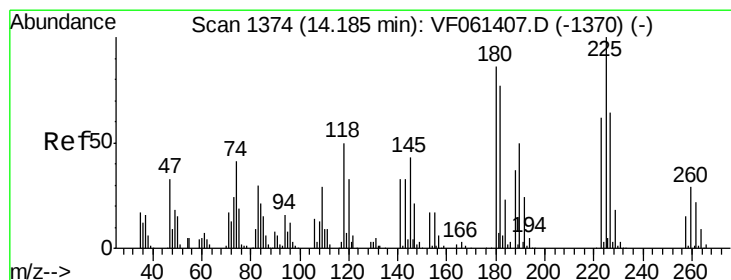
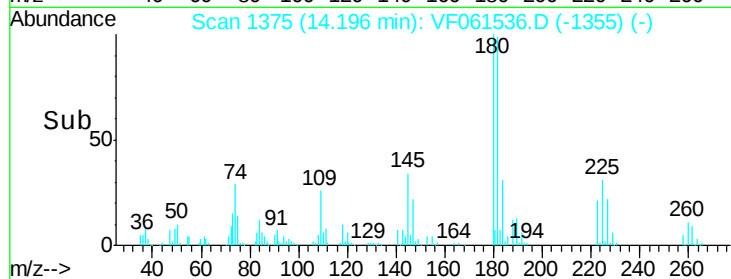
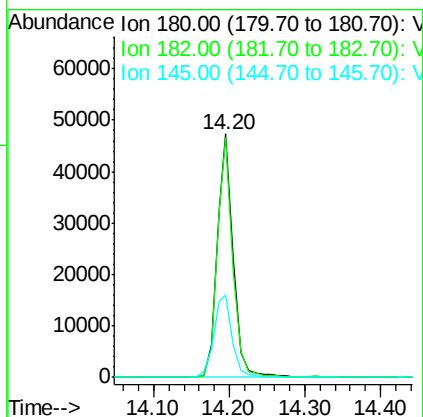
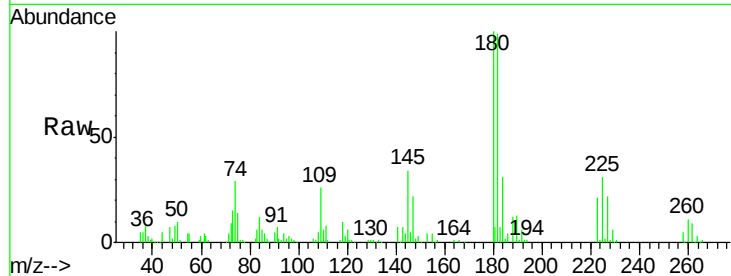




#93
 1,2,4-Trichlorobenzene
 Concen: 20.658 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

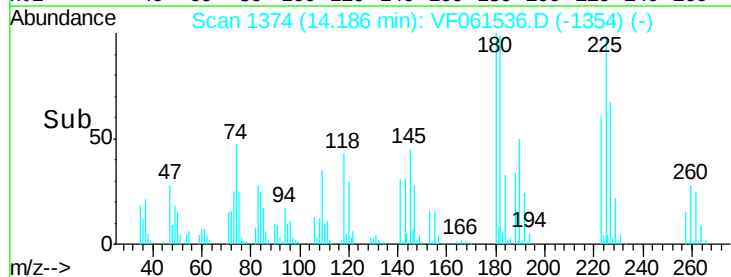
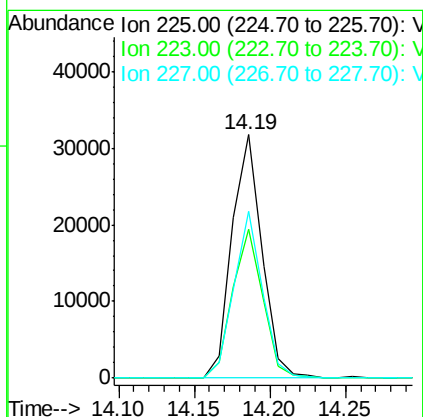
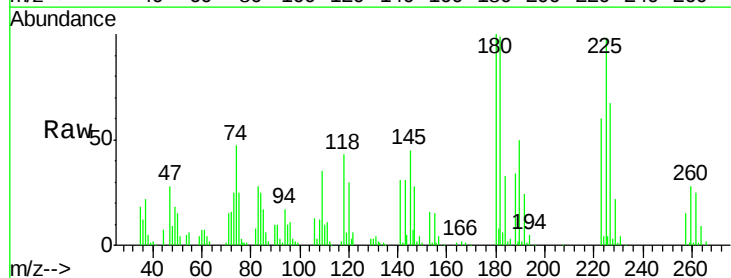
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

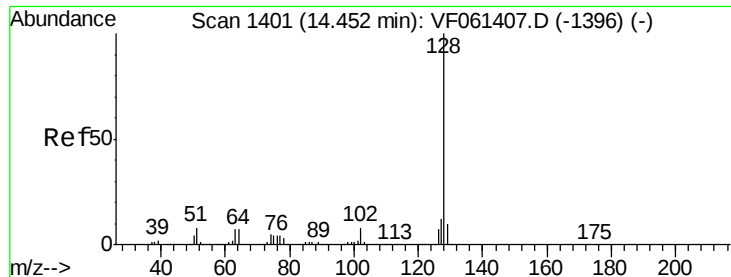
Tot Ion:180 Resp: 70150
 Ion Ratio Lower Upper
 180 100
 182 98.6 48.5 145.6
 145 33.8 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 20.720 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: VF061536.D
 Acq: 28 Jan 2019 12:44

Tgt Ion:225 Resp: 43660
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.1 93.2
 227 68.6 32.2 96.6





#95

Naphthalene

Concen: 19.357 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

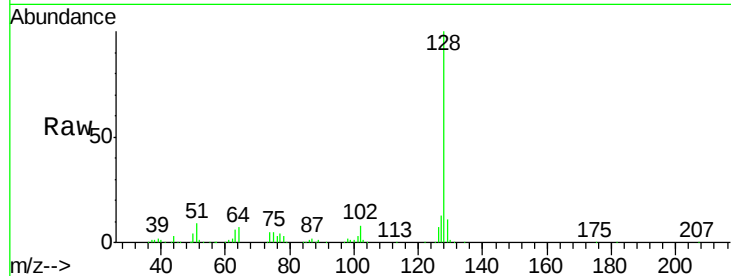
Tot Ion:128 Resp: 124883

Ion Ratio Lower Upper

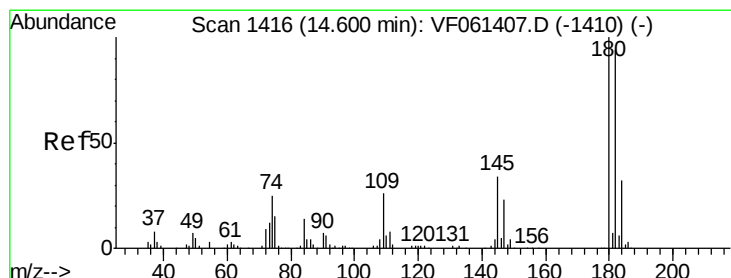
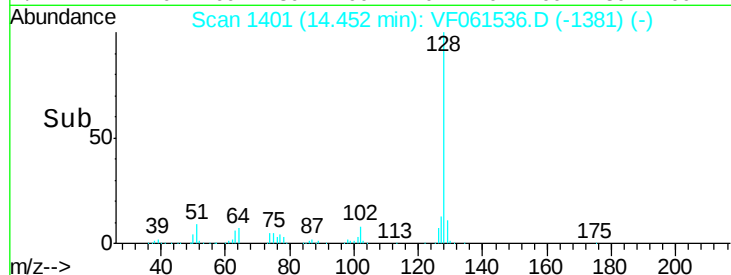
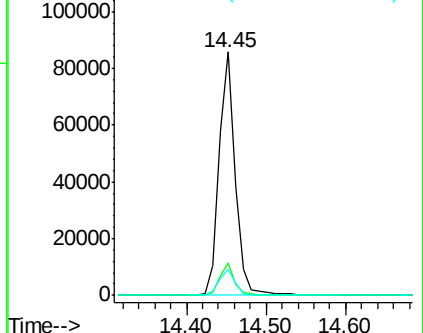
128 100

127 13.1 9.5 14.3

129 10.8 8.4 12.6



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



#96

1,2,3-Trichlorobenzene

Concen: 19.392 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VF061536.D

Acq: 28 Jan 2019 12:44

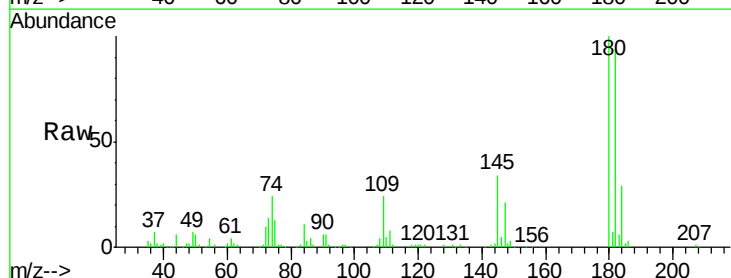
Tgt Ion:180 Resp: 60959

Ion Ratio Lower Upper

180 100

182 94.1 47.0 141.2

145 34.1 17.1 51.2



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

