

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF012319\
 Data File : VF061480.D
 Acq On : 23 Jan 2019 12:53
 Operator : VA/AP
 Sample : VF0123SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

Quant Time: Jan 24 02:53:43 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	4.86	168	189517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	325589	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	305907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	153077	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	109412	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
35) Dibromofluoromethane	4.10	113	126794	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	7.54	98	372376	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
62) 4-Bromofluorobenzene	11.40	95	165384	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	71519	19.206	ug/l	88
3) Chloromethane	1.09	50	59915	21.944	ug/l	97
4) Vinyl Chloride	1.14	62	52549	21.636	ug/l	97
5) Bromomethane	1.32	94	32395	20.454	ug/l	86
6) Chloroethane	1.38	64	21342	19.831	ug/l	100
7) Trichlorofluoromethane	1.48	101	93119	19.721	ug/l	97
8) Diethyl Ether	1.62	74	11907	19.681	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.82	101	48011	21.162	ug/l	95
10) Methyl Iodide	1.89	142	57124	16.241	ug/l	95
11) Tert butyl alcohol	2.56	59	9758	98.525	ug/l	95
12) 1,1-Dichloroethene	1.79	96	38020	22.556	ug/l	83
13) Acrolein	1.99	56	6775	86.471	ug/l	97
14) Allyl chloride	2.09	41	62201	34.196	ug/l	94
15) Acrylonitrile	2.94	53	29798	117.457	ug/l	96
16) Acetone	2.23	43	56454	120.269	ug/l	92
17) Carbon Disulfide	1.79	76	112372	21.381	ug/l	95
18) Methyl Acetate	2.34	43	20585	22.113	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	76077	20.134	ug/l	93
20) Methylene Chloride	2.18	84	15797	8.454	ug/l	90
21) trans-1,2-Dichloroethene	2.30	96	39690	21.402	ug/l	95
22) Diisopropyl ether	2.79	45	126601	21.106	ug/l	# 99
23) Vinyl Acetate	3.18	43	322819	123.987	ug/l	99
24) 1,1-Dichloroethane	2.87	63	79820	21.202	ug/l	98
25) 2-Butanone	4.32	43	92295	118.238	ug/l	98
26) 2,2-Dichloropropane	3.59	77	47363	20.477	ug/l	93
27) cis-1,2-Dichloroethene	3.46	96	61380	22.422	ug/l	98
28) Bromochloromethane	3.70	49	34711	20.512	ug/l	# 97
29) Tetrahydrofuran	4.06	42	37640	111.985	ug/l	100
30) Chloroform	3.85	83	112326	22.108	ug/l	95
31) Cyclohexane	3.68	56	86719	23.060	ug/l	99
32) 1,1,1-Trichloroethane	4.08	97	71227	19.119	ug/l	95
36) 1,1-Dichloropropene	4.27	75	83380	22.087	ug/l	99
37) Ethyl Acetate	4.10	43	33423	22.149	ug/l	82
38) Carbon Tetrachloride	3.98	117	68330	20.704	ug/l	96

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Instrument :
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Quant Time: Jan 24 02:53:43 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	87835	21.470	ug/l	97
40) Benzene	4.62	78	197855	23.554	ug/l	98
41) Methacrylonitrile	4.73	41	18343	22.845	ug/l	94
42) 1,2-Dichloroethane	4.93	62	61585	20.574	ug/l	98
43) Isopropyl Acetate	6.95	43	46959	24.795	ug/l #	83
44) Trichloroethene	5.49	130	60132	23.335	ug/l	99
45) 1,2-Dichloropropane	6.22	63	49824	22.600	ug/l	98
46) Dibromomethane	6.07	93	31463	21.463	ug/l	95
47) Bromodichloromethane	6.37	83	78826	21.733	ug/l	92
48) Methyl methacrylate	6.70	41	27802	21.861	ug/l	96
49) 1,4-Dioxane	6.68	88	3885	395.680	ug/l #	74
51) 4-Methyl-2-Pentanone	8.24	43	161502	115.995	ug/l	96
52) Toluene	7.61	92	126915	22.943	ug/l	92
53) t-1,3-Dichloropropene	8.26	75	65475	22.734	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	85629	23.786	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	35461	22.574	ug/l	94
56) Ethyl methacrylate	8.61	69	39777	21.765	ug/l	96
57) 1,3-Dichloropropane	8.84	76	63764	21.656	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.29	63	23662	137.395	ug/l	94
59) 2-Hexanone	9.48	43	124690	128.428	ug/l	95
60) Dibromochloromethane	8.71	129	50024	21.782	ug/l	96
61) 1,2-Dibromoethane	8.97	107	36335	20.205	ug/l	86
64) Tetrachloroethene	8.14	164	49256	21.411	ug/l	96
65) Chlorobenzene	9.78	112	133137	21.402	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.92	131	52695	21.264	ug/l	96
67) Ethyl Benzene	9.89	91	244496	21.512	ug/l	99
68) m/p-Xylenes	10.12	106	184343	45.095	ug/l	100
69) o-Xylene	10.70	106	100237	22.624	ug/l	96
70) Styrene	10.78	104	142705	23.531	ug/l	98
71) Bromoform	10.76	173	24778	22.253	ug/l #	92
73) Isopropylbenzene	11.11	105	291587	23.421	ug/l	99
74) N-amyl acetate	11.36	43	71503	24.288	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	49986	22.537	ug/l	93
76) 1,2,3-Trichloropropane	11.78	75	35352	22.182	ug/l	99
77) Bromobenzene	11.49	156	59197	22.514	ug/l	95
78) n-propylbenzene	11.59	91	362532	22.450	ug/l	100
79) 2-Chlorotoluene	11.70	91	197218	22.831	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	233168	23.207	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.86	75	20406	29.455	ug/l	96
82) 4-Chlorotoluene	11.89	91	202339	23.212	ug/l	96
83) tert-Butylbenzene	12.12	119	241196	23.194	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	227582	21.990	ug/l	96
85) sec-Butylbenzene	12.30	105	326473	23.117	ug/l	97
86) p-Isopropyltoluene	12.45	119	270133	23.301	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	112074	20.293	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	111395	22.420	ug/l	98
89) n-Butylbenzene	12.84	91	290062	24.261	ug/l	100
90) Hexachloroethane	12.91	117	66714	24.413	ug/l	98
91) 1,2-Dichlorobenzene	12.94	146	106687	21.690	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7493	19.047	ug/l	67

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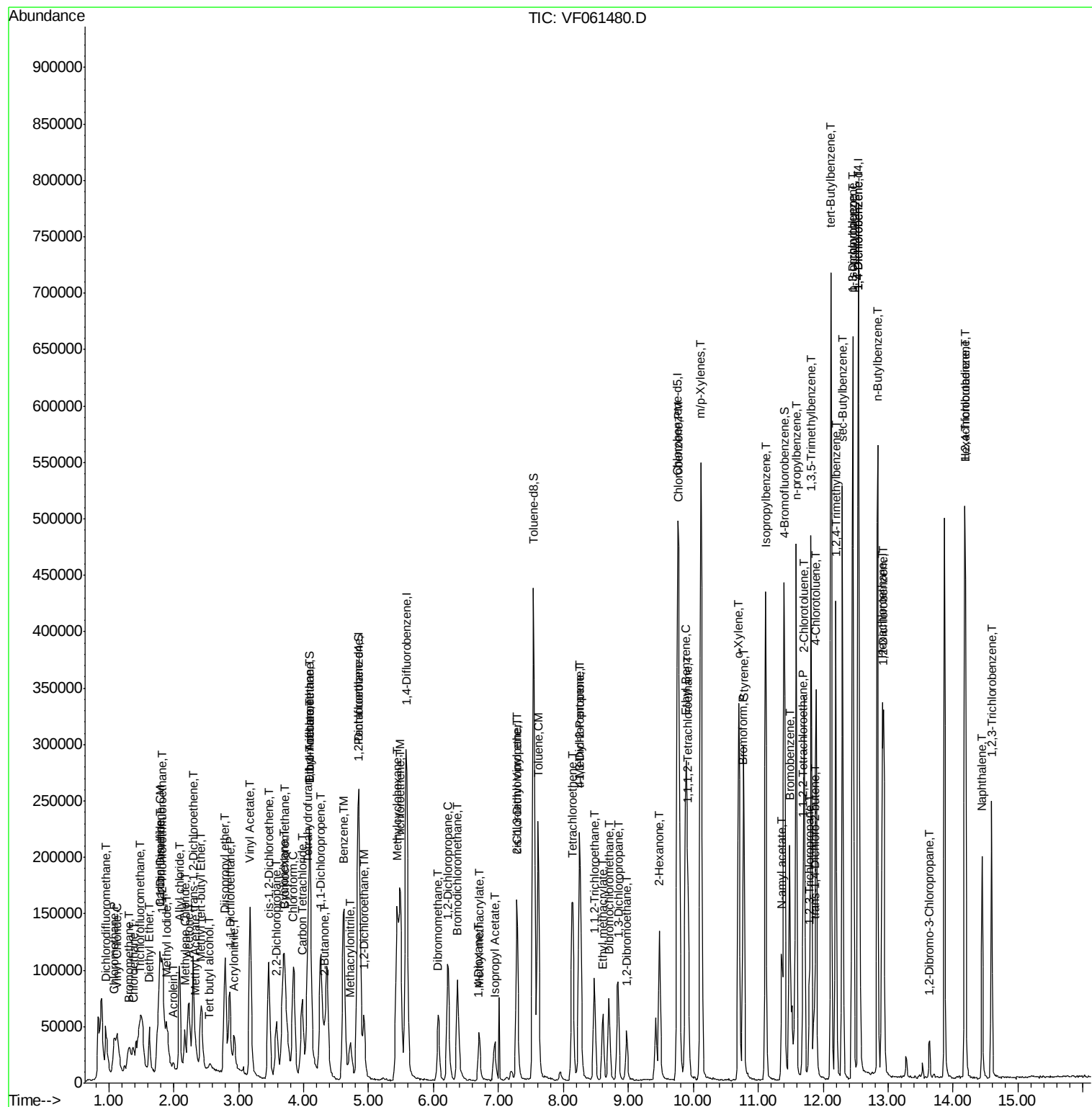
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	73995	21.475	ug/l	98
94) Hexachlorobutadiene	14.18	225	45450	21.257	ug/l	99
95) Naphthalene	14.45	128	128555	19.637	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	65265	20.462	ug/l	98

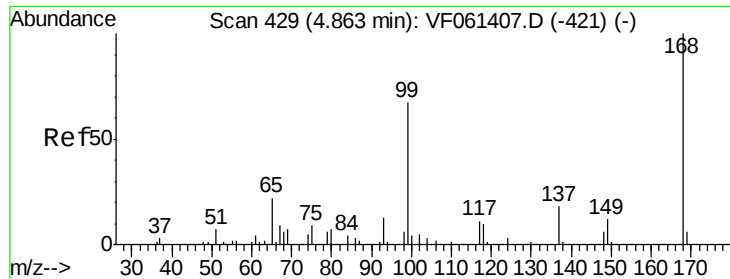
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF012319\
Data File : VF061480.D
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Sample : VF0123SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

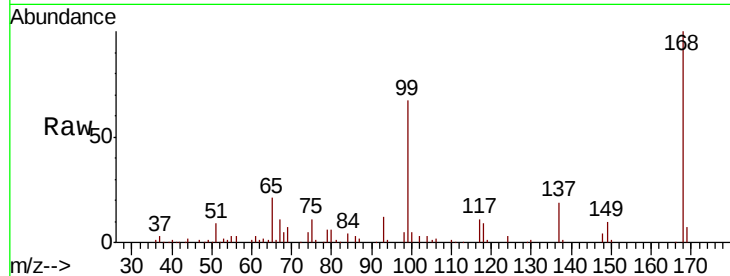
VF0123SBS01

Tgt Ion:168 Resp: 189517

Ion Ratio Lower Upper

168 100

99 67.4 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

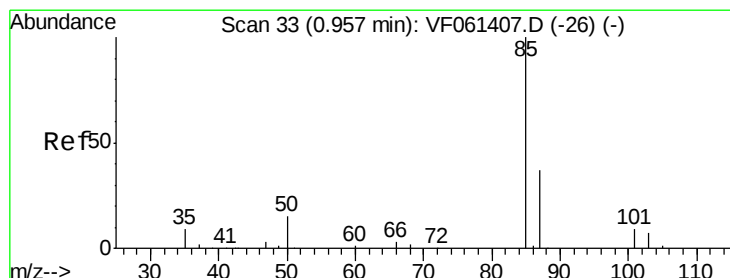
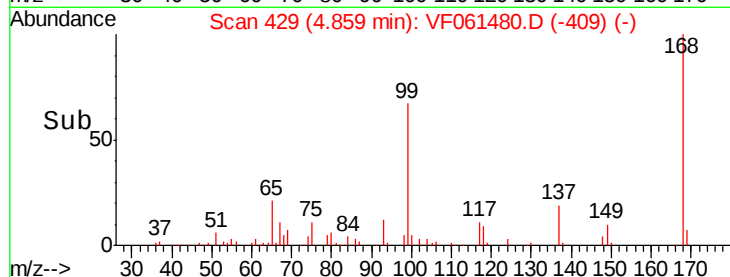
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.206 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061480.D

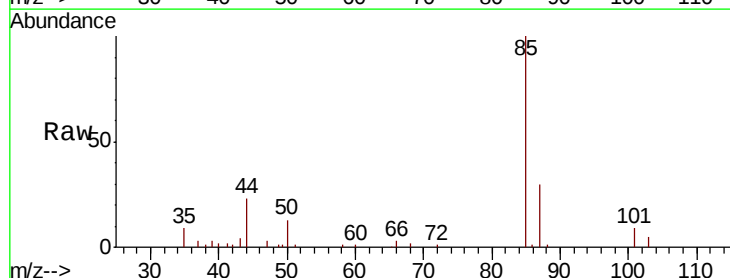
Acq: 23 Jan 2019 12:53

Tgt Ion: 85 Resp: 71519

Ion Ratio Lower Upper

85 100

87 29.5 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

25000

20000

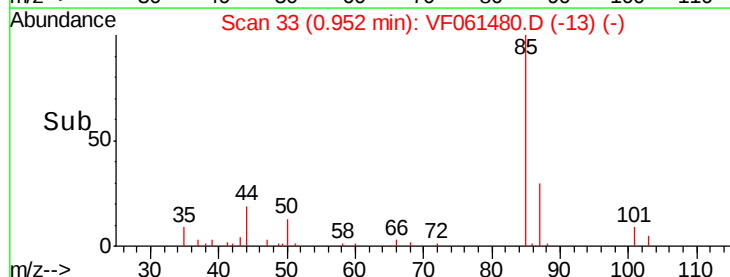
15000

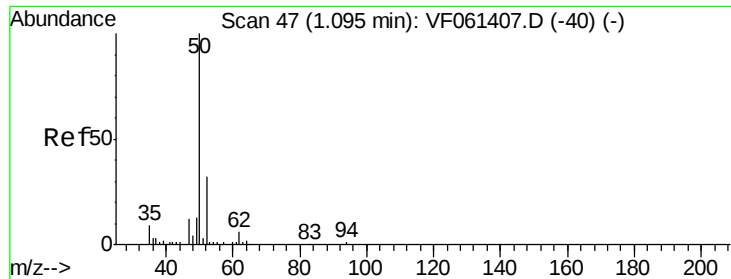
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.944 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

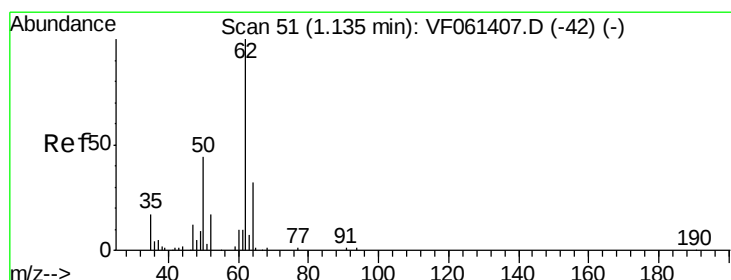
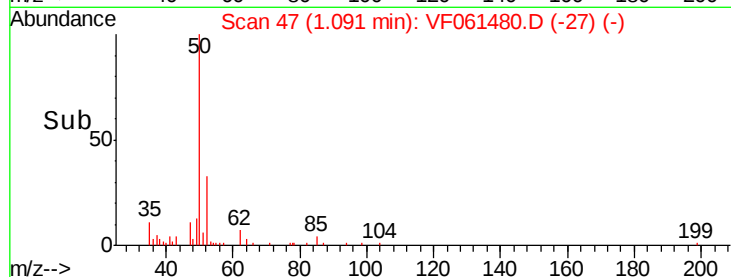
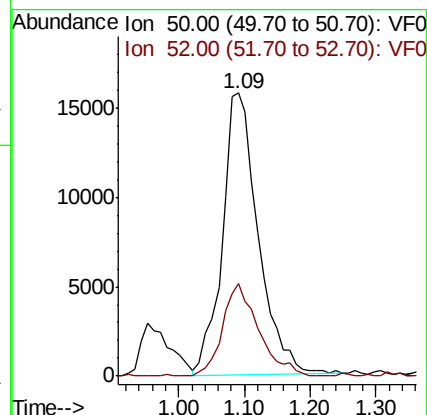
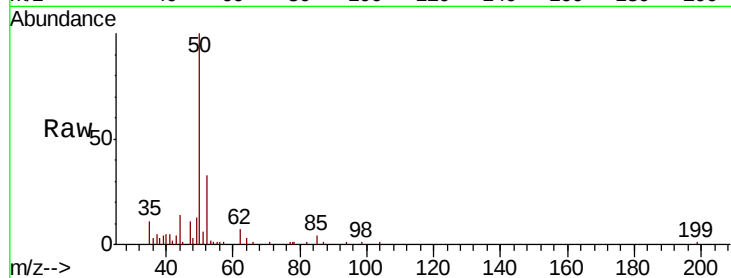
VF0123SBS01

Tgt Ion: 50 Resp: 59915

Ion Ratio Lower Upper

50 100

52 32.5 24.6 36.8



#4

Vinyl Chloride

Concen: 21.636 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061480.D

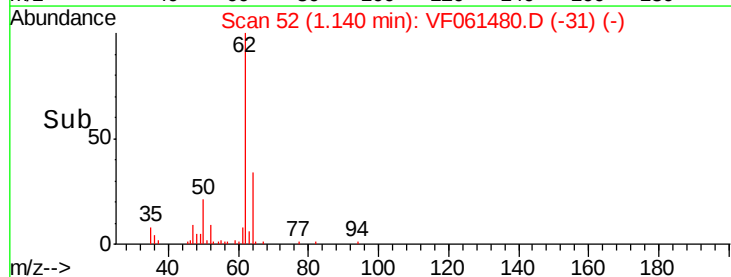
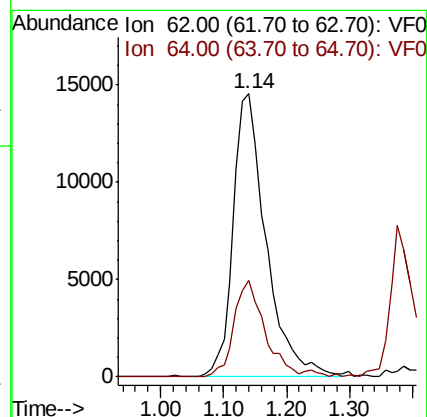
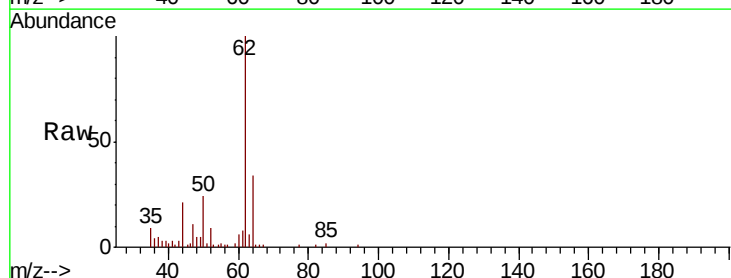
Acq: 23 Jan 2019 12:53

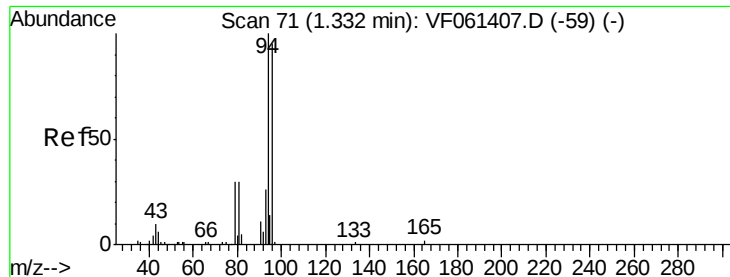
Tgt Ion: 62 Resp: 52549

Ion Ratio Lower Upper

62 100

64 33.9 25.6 38.4





#5

Bromomethane

Concen: 20.454 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

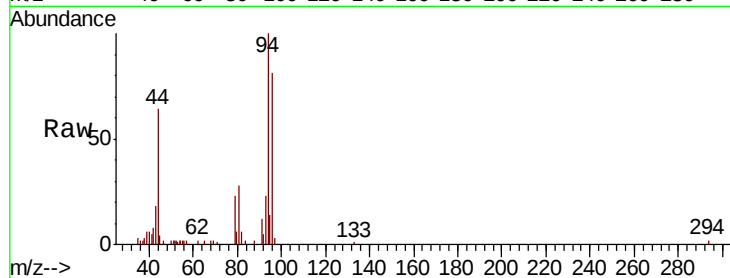
VF0123SBS01

Tgt Ion: 94 Resp: 32395

Ion Ratio Lower Upper

94 100

96 81.2 76.0 114.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

8000

6000

4000

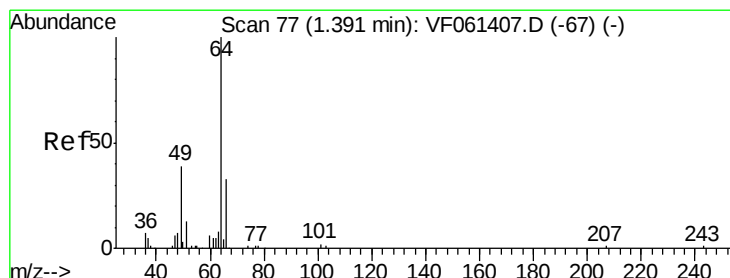
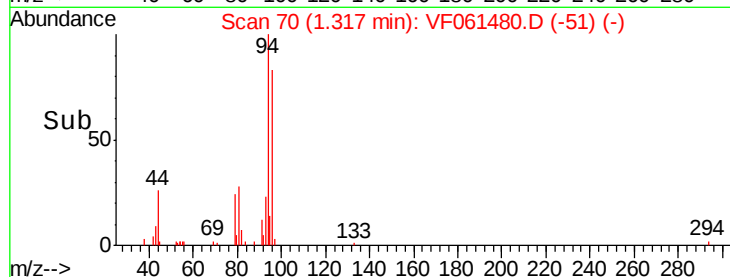
2000

0

1.32

1.20 1.30 1.40 1.50

Time-->



#6

Chloroethane

Concen: 19.831 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061480.D

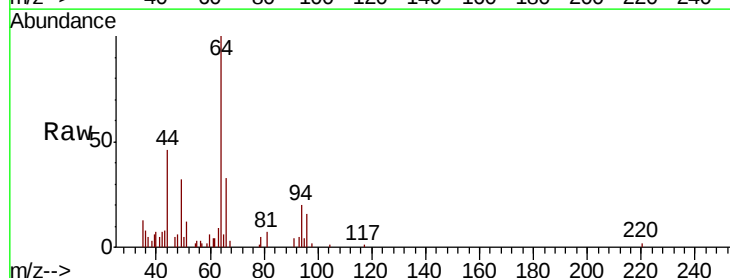
Acq: 23 Jan 2019 12:53

Tgt Ion: 64 Resp: 21342

Ion Ratio Lower Upper

64 100

66 33.3 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

8000

6000

4000

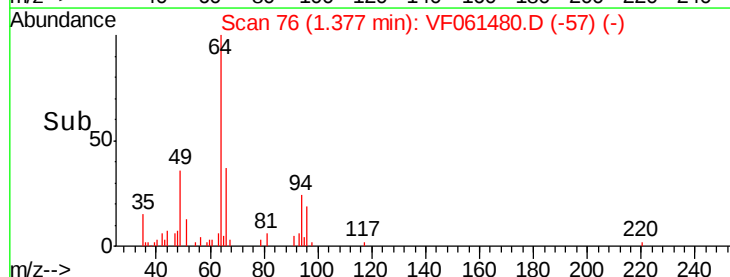
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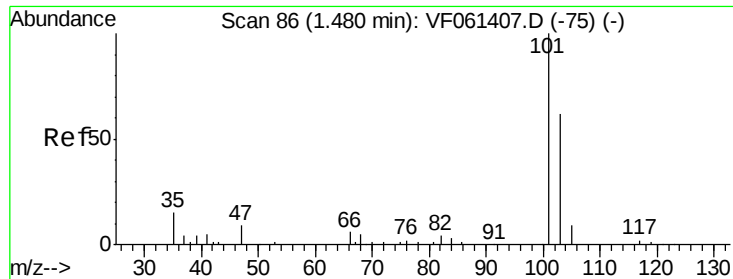
0

1.38

1.30 1.40 1.50

Time-->





#7

Trichlorofluoromethane

Concen: 19.721 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

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ClientSampleId :

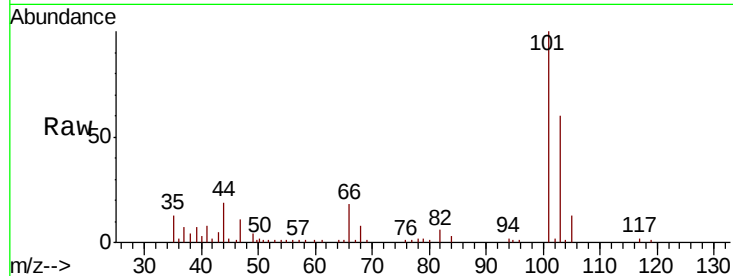
VF0123SBS01

Tgt Ion:101 Resp: 93119

Ion Ratio Lower Upper

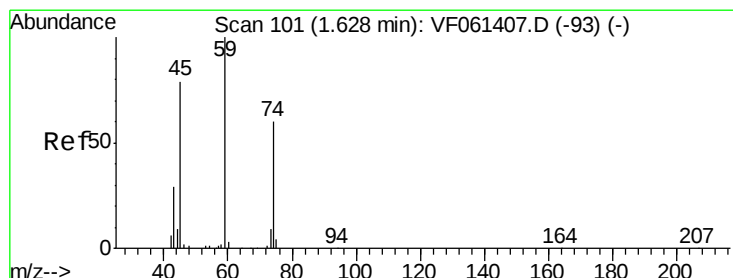
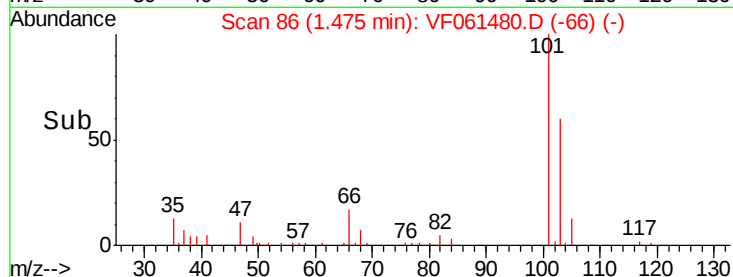
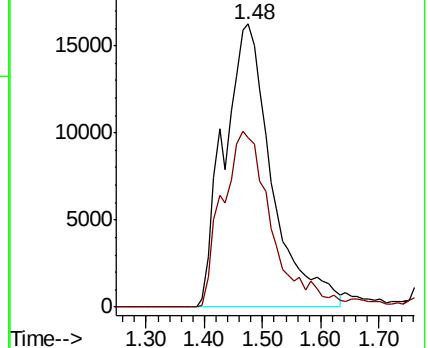
101 100

103 60.1 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: 19.681 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061480.D

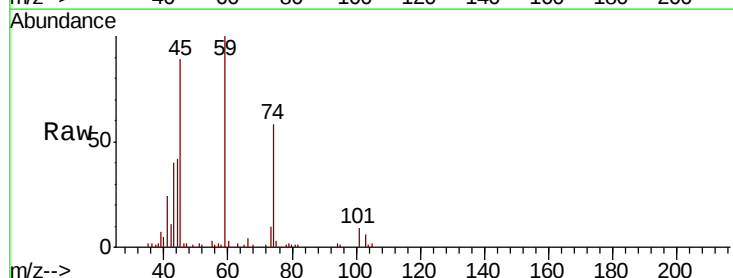
Acq: 23 Jan 2019 12:53

Tgt Ion: 74 Resp: 11907

Ion Ratio Lower Upper

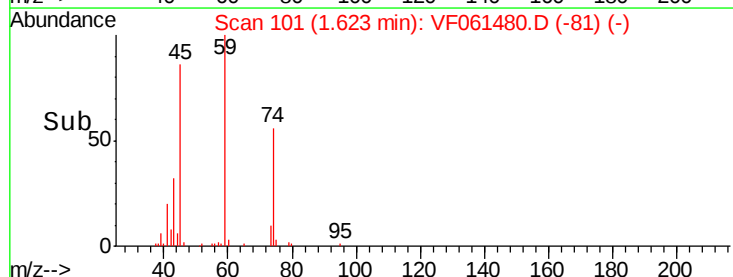
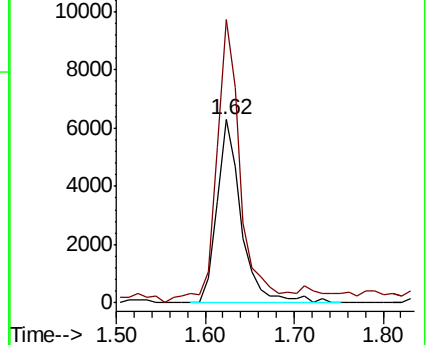
74 100

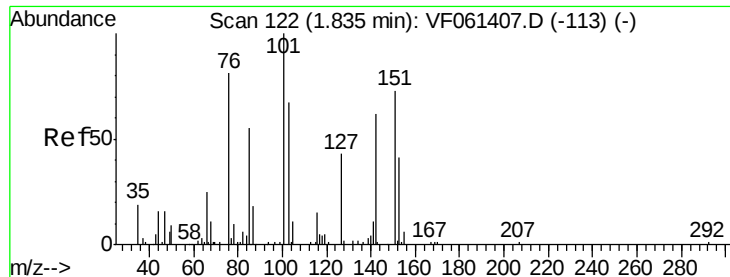
45 154.4 65.8 197.5



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: 21.162 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

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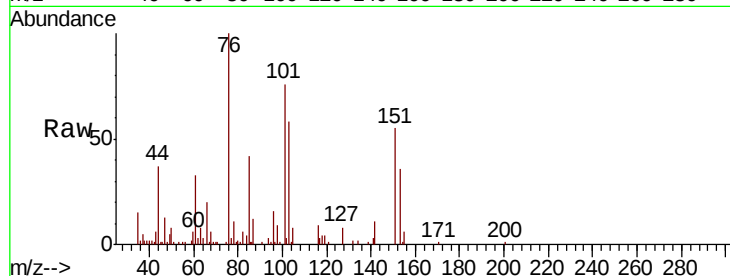
Tgt Ion:101 Resp: 48011

Ion Ratio Lower Upper

101 100

85 55.1 41.9 62.9

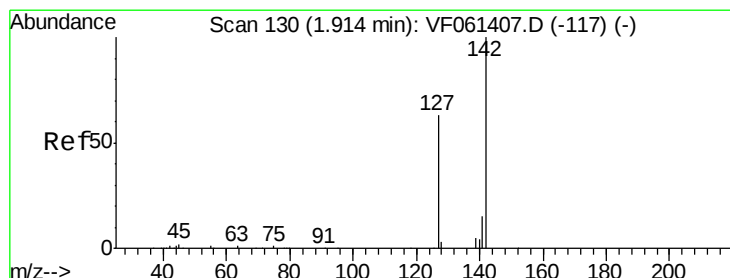
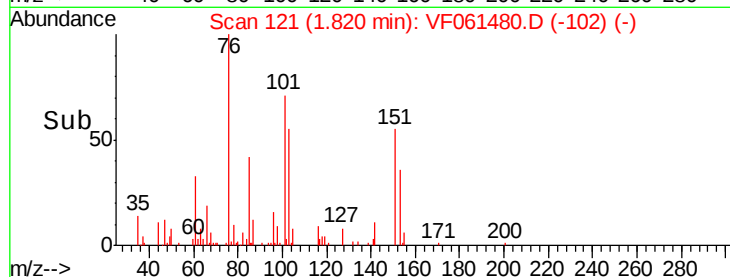
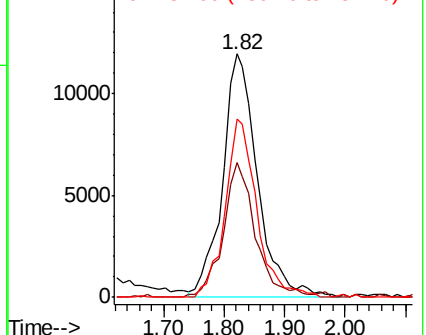
151 73.1 55.1 82.7



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: 16.241 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

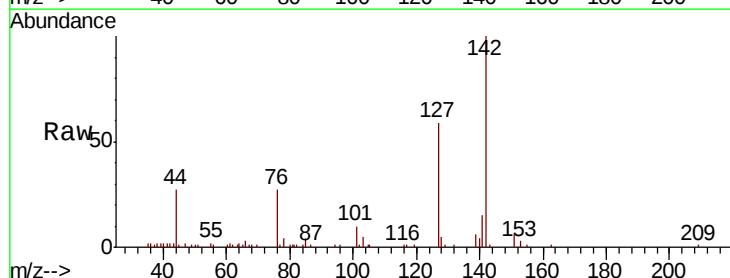
Tgt Ion:142 Resp: 57124

Ion Ratio Lower Upper

142 100

127 58.7 50.7 76.1

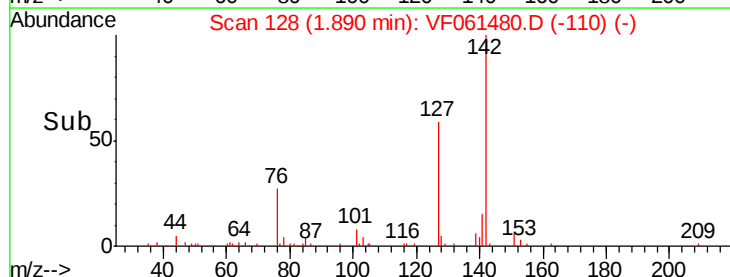
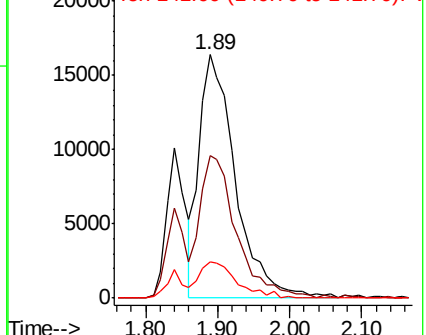
141 15.1 11.8 17.6

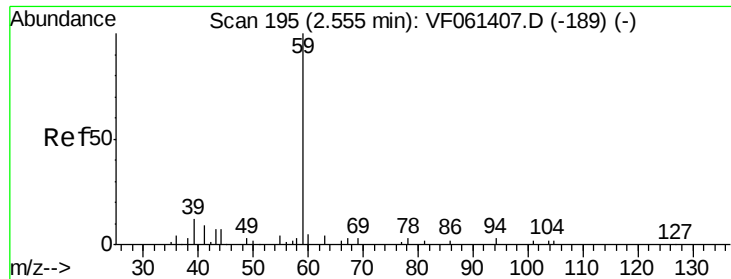


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

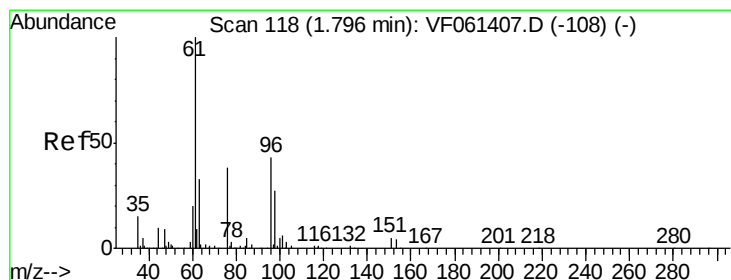
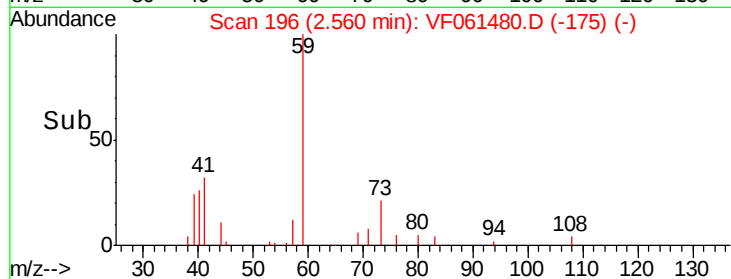
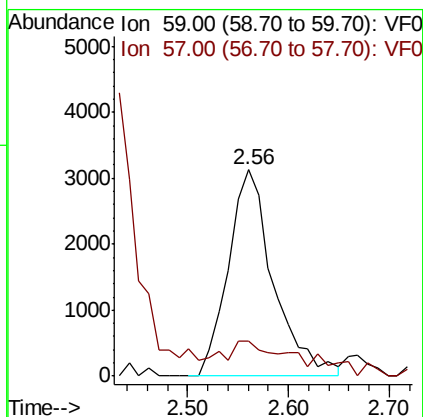
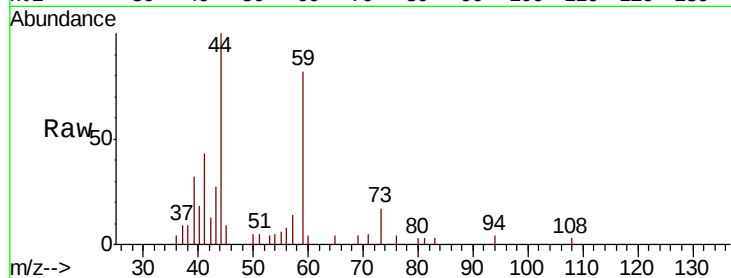




#11
Tert butyl alcohol
Concen: 98.525 ug/l
RT: 2.56 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

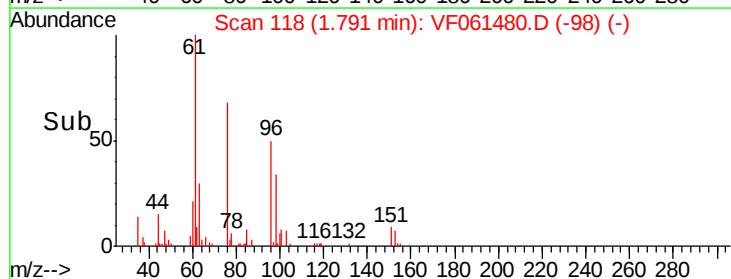
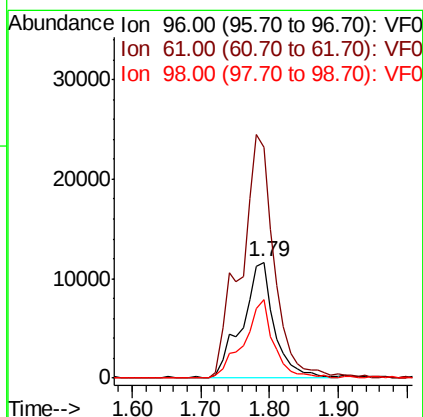
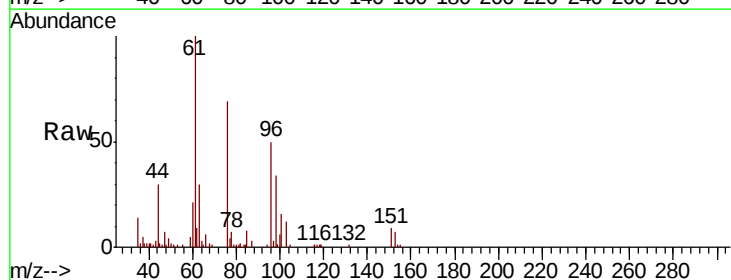
Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

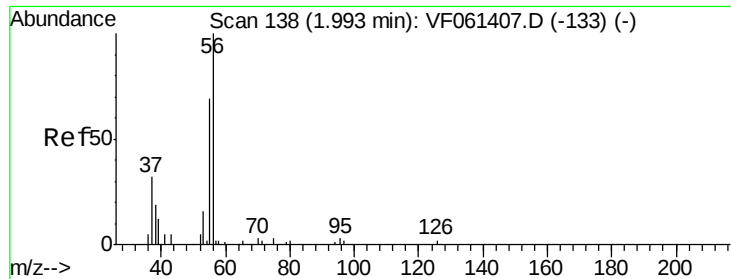
Tgt Ion: 59 Resp: 9758
Ion Ratio Lower Upper
59 100
57 17.0 11.9 17.9



#12
1,1-Dichloroethene
Concen: 22.556 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Tgt Ion: 96 Resp: 38020
Ion Ratio Lower Upper
96 100
61 199.1 186.9 280.3
98 69.6 53.0 79.4





#13

Acrolein

Concen: 86.471 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

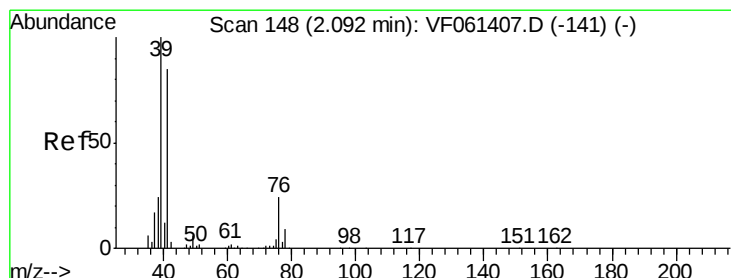
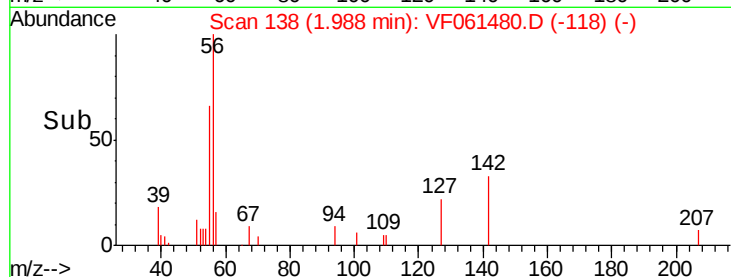
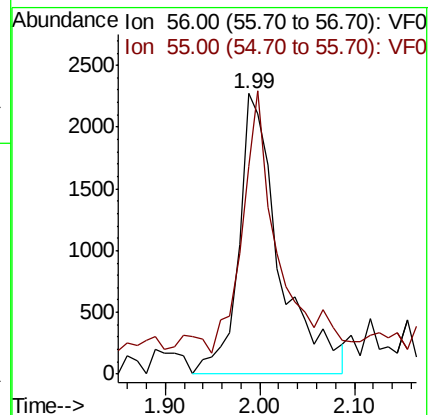
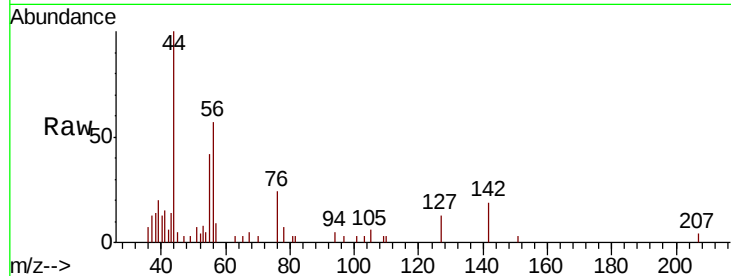
VF0123SBS01

Tgt Ion: 56 Resp: 6775

Ion Ratio Lower Upper

56 100

55 74.2 57.5 86.3



#14

Allyl chloride

Concen: 34.196 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

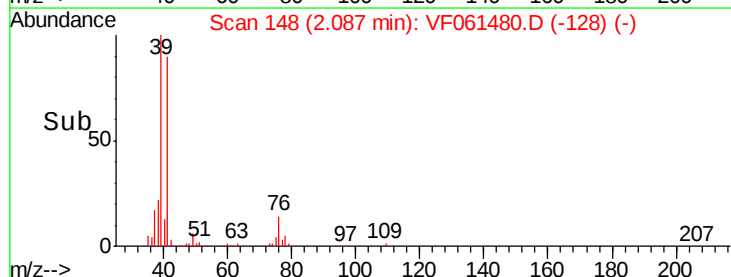
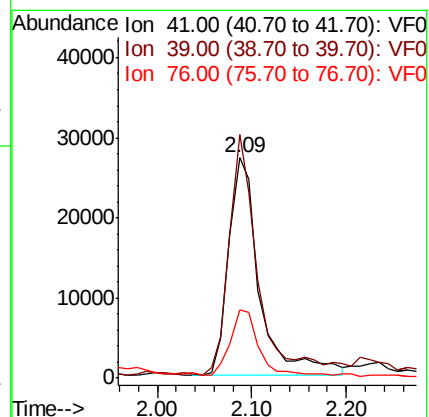
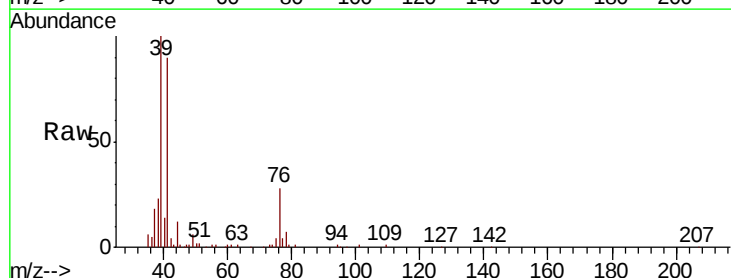
Tgt Ion: 41 Resp: 62201

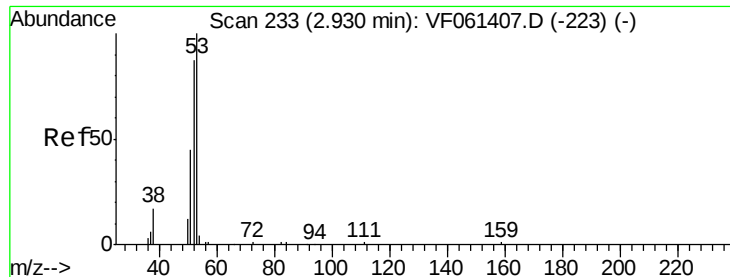
Ion Ratio Lower Upper

41 100

39 110.6 94.6 141.8

76 31.2 25.9 38.9





#15

Acrylonitrile

Concen: 117.457 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

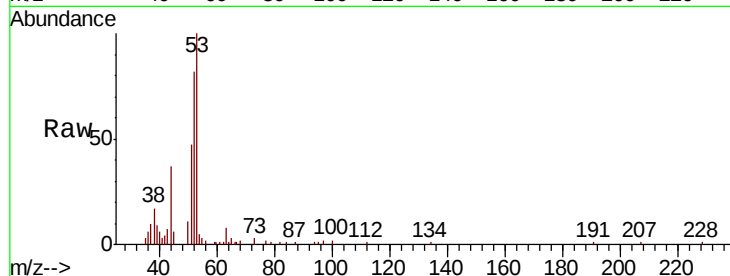
Tgt Ion: 53 Resp: 29798

Ion Ratio Lower Upper

53 100

52 82.1 69.6 104.4

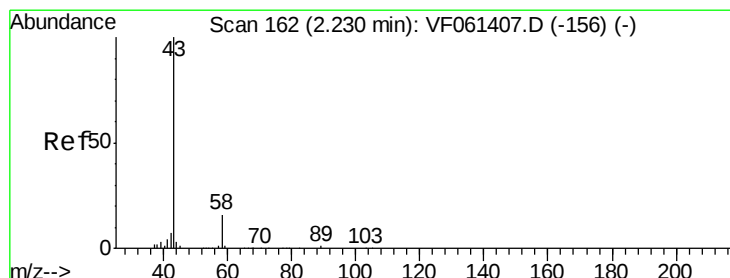
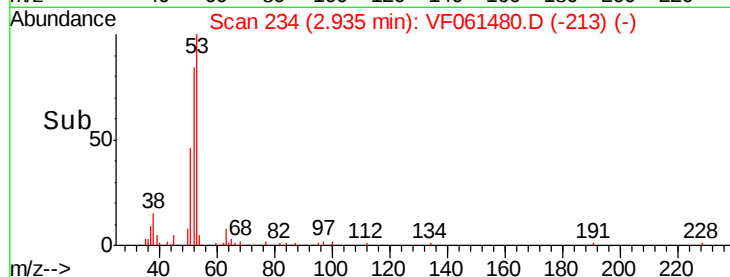
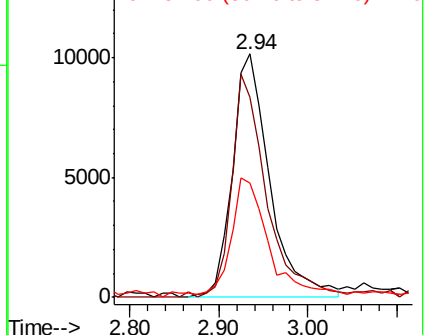
51 46.8 36.8 55.2



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: 120.269 ug/l

RT: 2.23 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061480.D

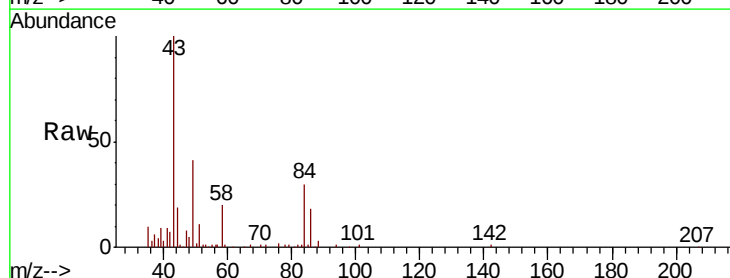
Acq: 23 Jan 2019 12:53

Tgt Ion: 43 Resp: 56454

Ion Ratio Lower Upper

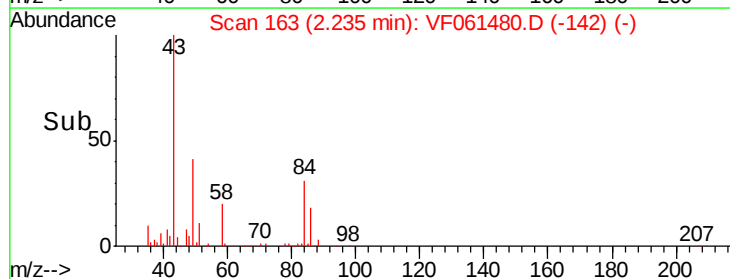
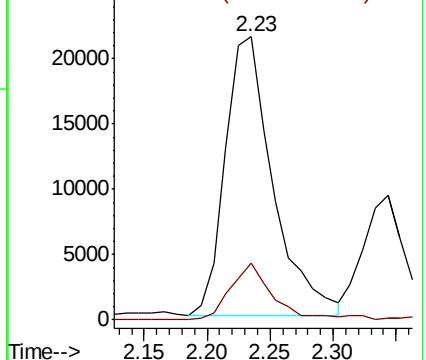
43 100

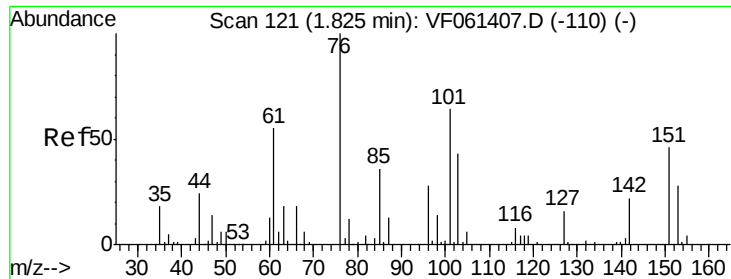
58 19.9 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

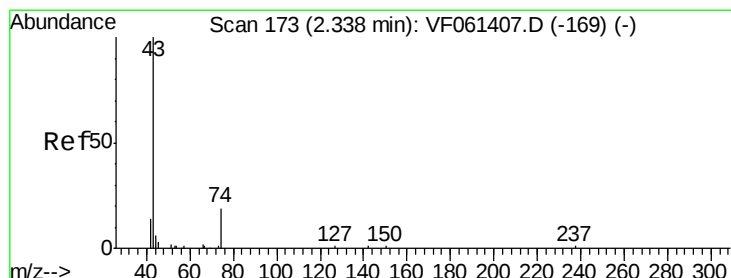
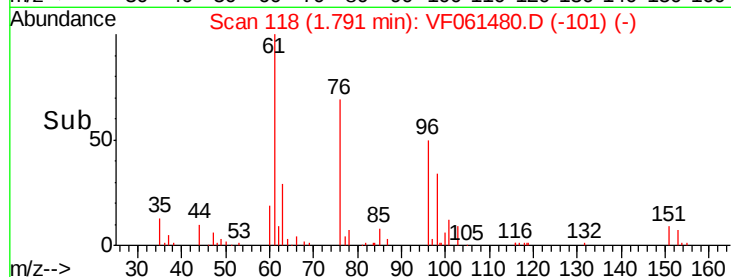
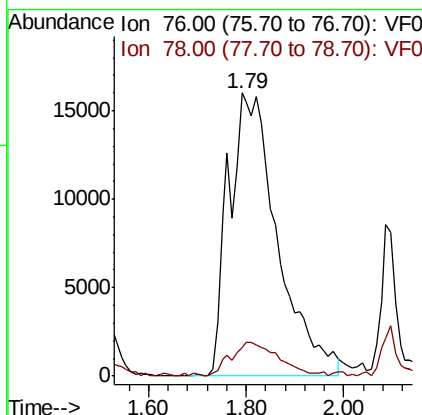
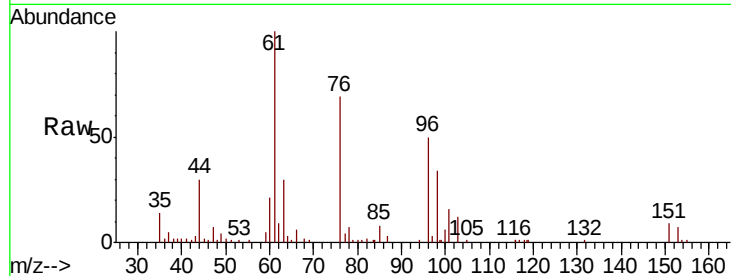




#17
Carbon Disulfide
Concen: 21.381 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

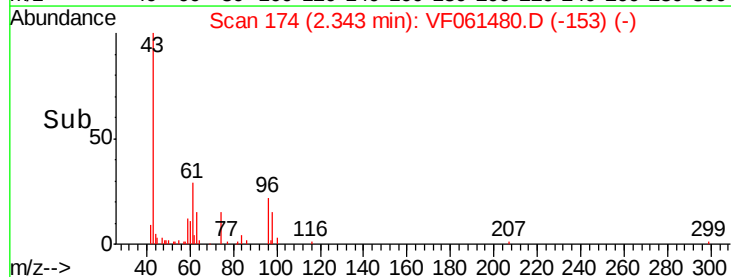
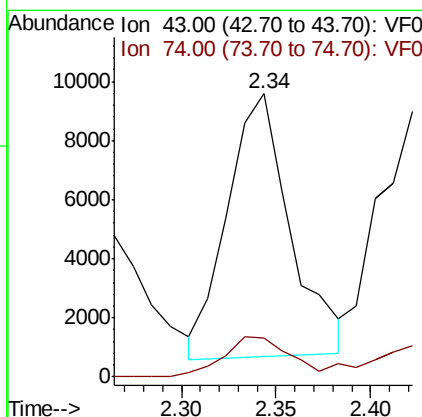
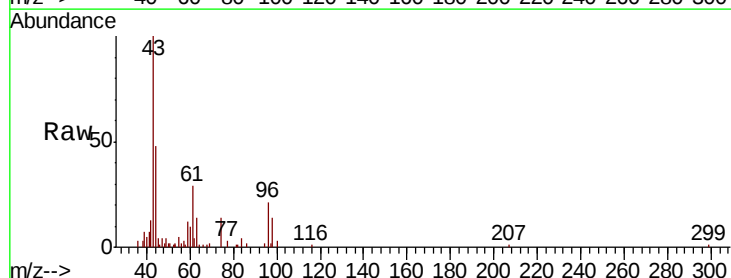
Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

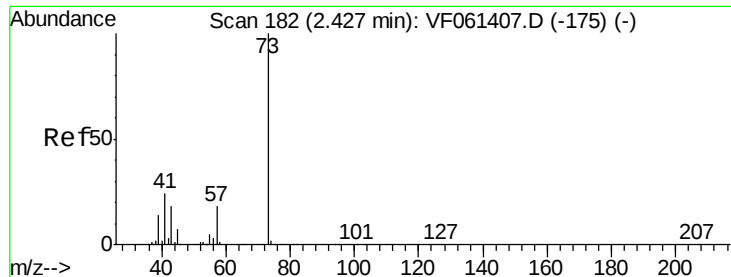
Tgt Ion: 76 Resp: 112372
Ion Ratio Lower Upper
76 100
78 10.0 9.6 14.4



#18
Methyl Acetate
Concen: 22.113 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Tgt Ion: 43 Resp: 20585
Ion Ratio Lower Upper
43 100
74 14.0 13.4 20.0

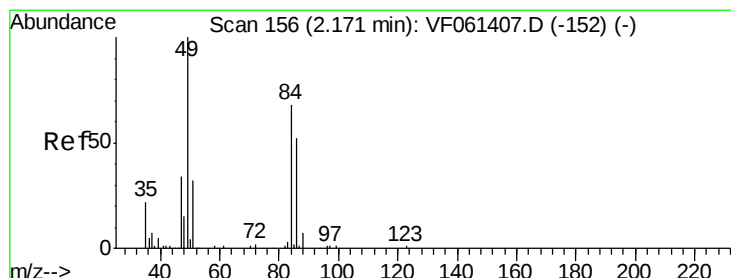
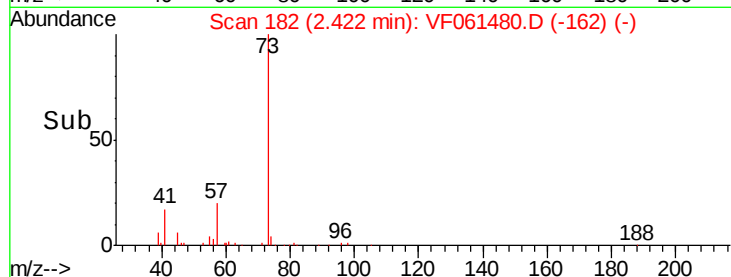
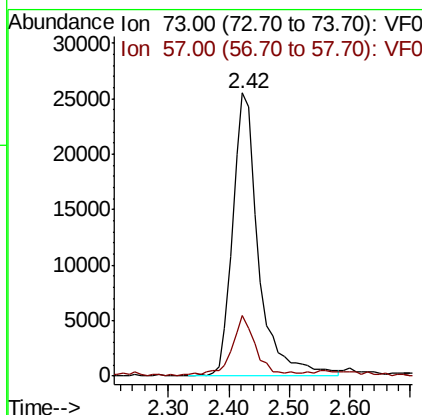
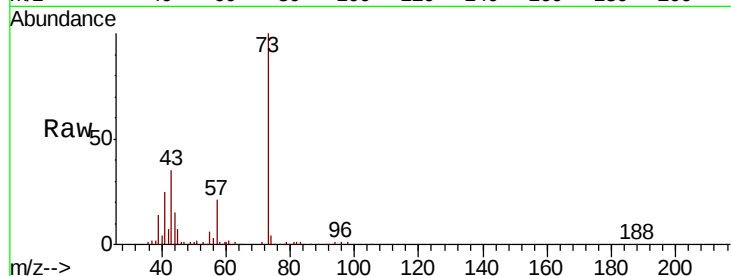




#19
Methyl tert-butyl Ether
Concen: 20.134 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

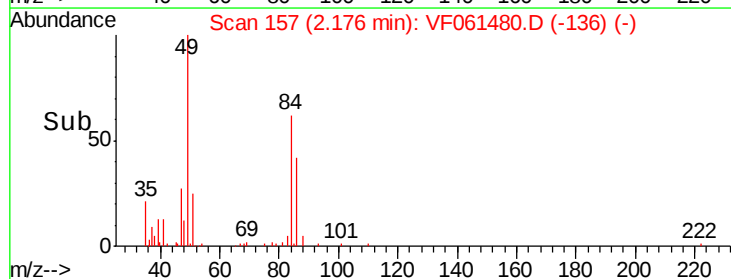
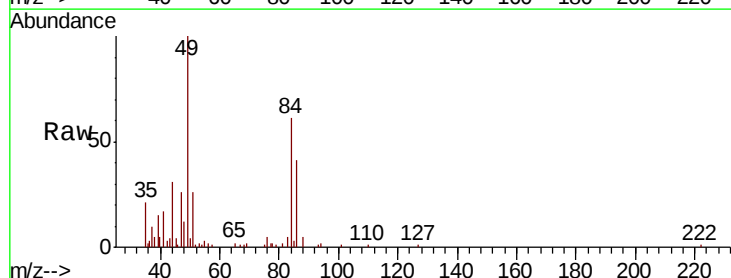
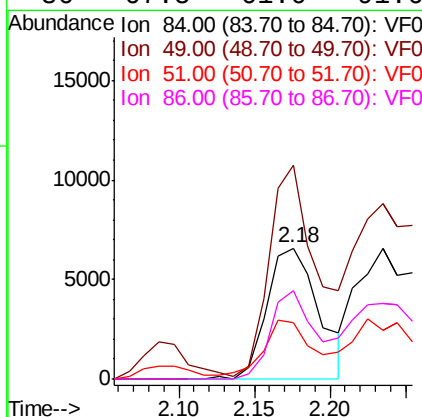
Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

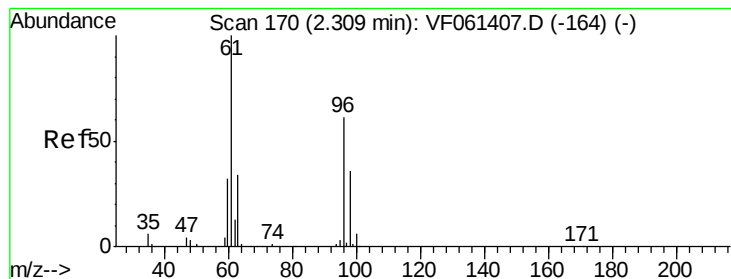
Tgt Ion: 73 Resp: 76077
Ion Ratio Lower Upper
73 100
57 21.4 14.8 22.2



#20
Methylene Chloride
Concen: 8.454 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Tgt Ion: 84 Resp: 15797
Ion Ratio Lower Upper
84 100
49 162.9 120.0 180.0
51 42.6 38.6 58.0
86 67.5 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 21.402 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

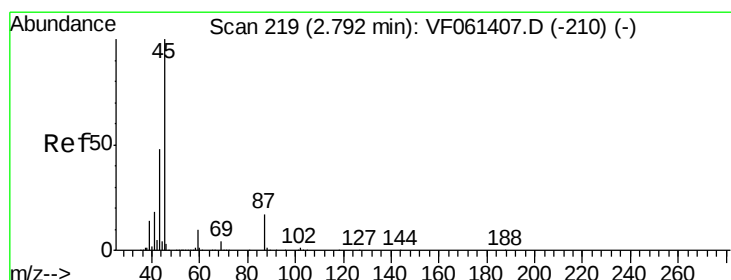
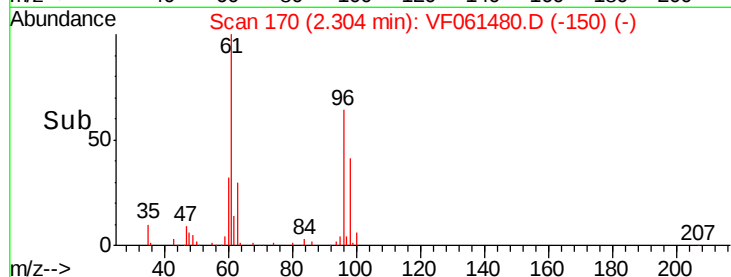
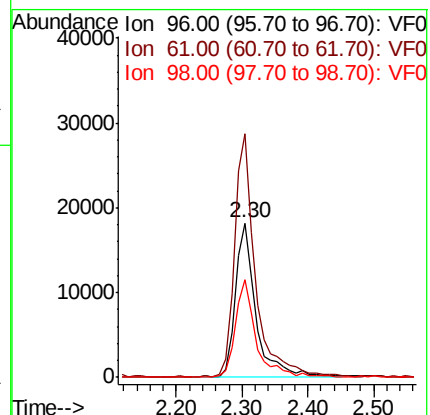
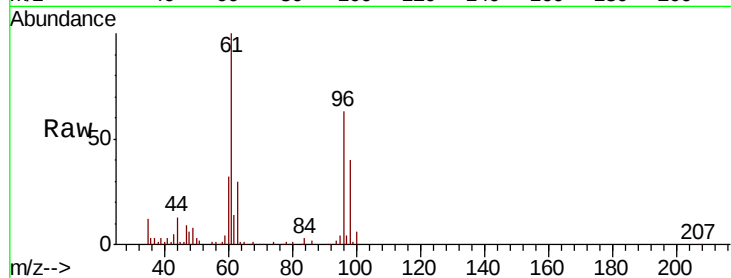
Tgt Ion: 96 Resp: 39690

Ion Ratio Lower Upper

96 100

61 158.0 131.8 197.8

98 63.8 47.4 71.0



#22

Diisopropyl ether

Concen: 21.106 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Tgt Ion: 45 Resp: 126601

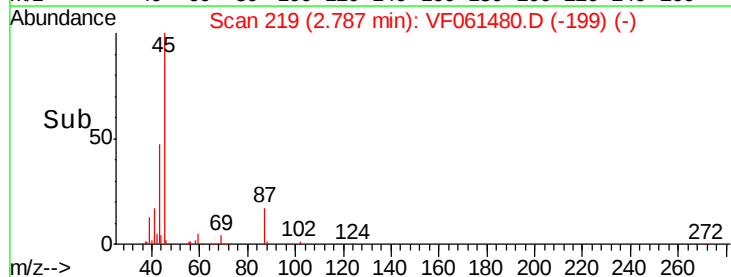
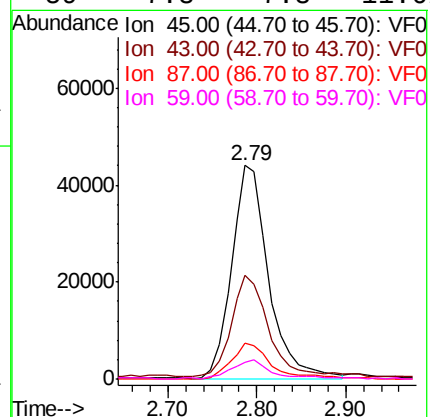
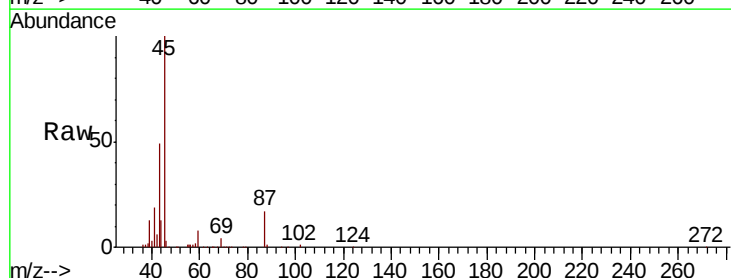
Ion Ratio Lower Upper

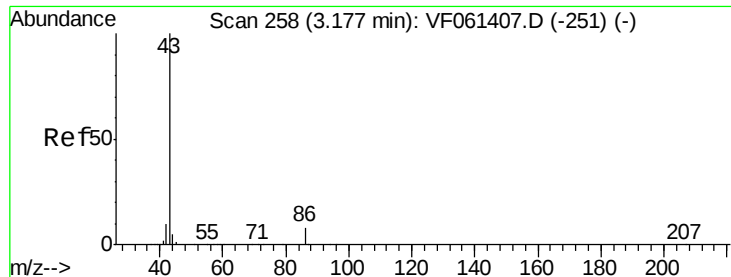
45 100

43 48.8 39.0 58.6

87 17.1 13.9 20.9

59 7.8 7.8 11.6#





#23

Vinyl Acetate

Concen: 123.987 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

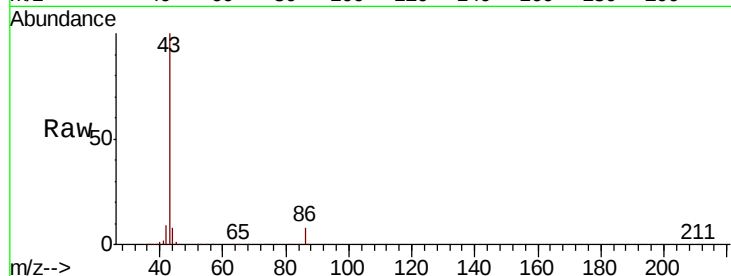
VF0123SBS01

Tgt Ion: 43 Resp: 322819

Ion Ratio Lower Upper

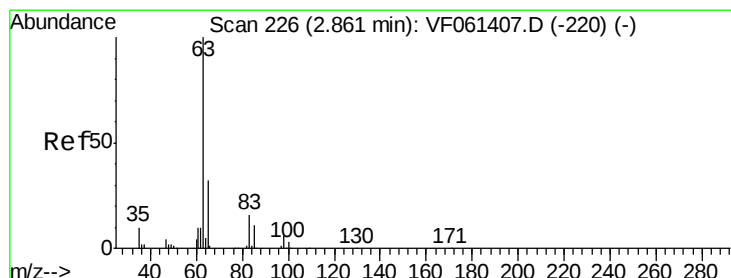
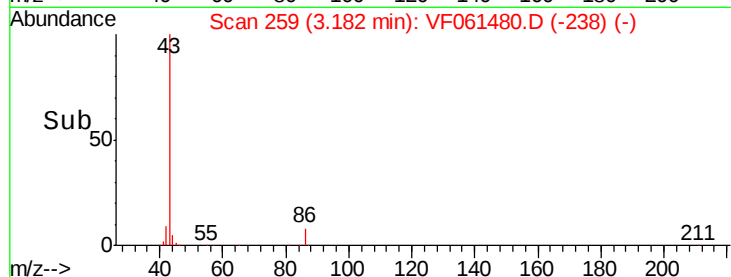
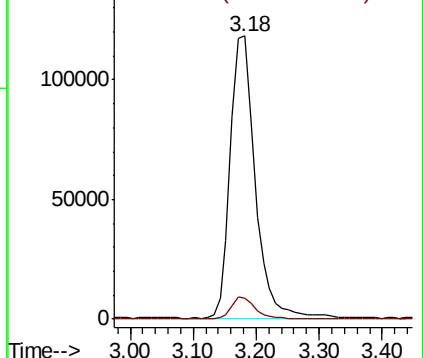
43 100

86 7.5 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: 21.202 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

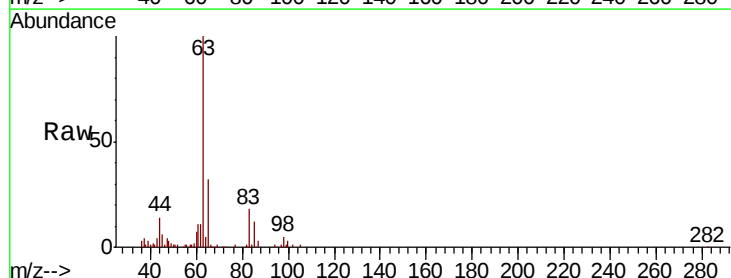
Tgt Ion: 63 Resp: 79820

Ion Ratio Lower Upper

63 100

98 5.2 2.9 8.8

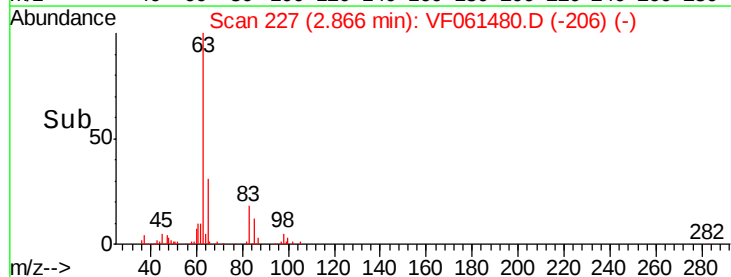
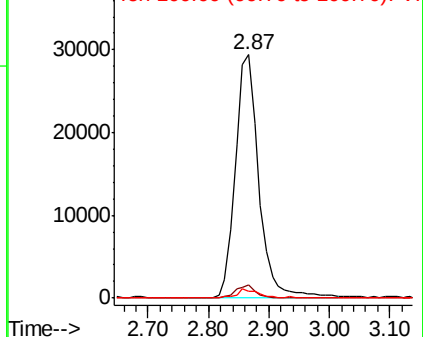
100 2.8 1.6 4.8

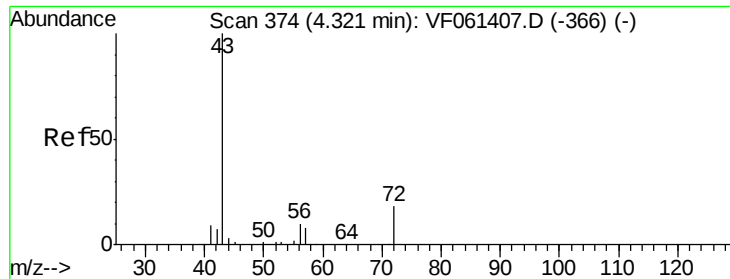


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 118.238 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

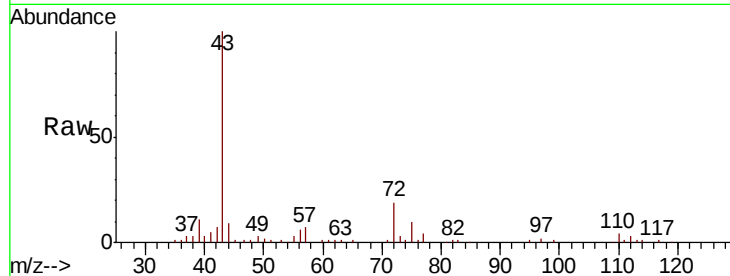
VF0123SBS01

Tgt Ion: 43 Resp: 92295

Ion Ratio Lower Upper

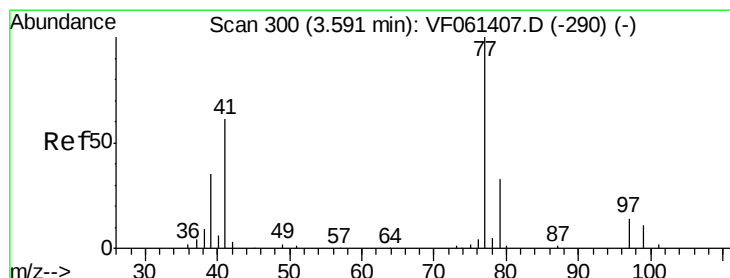
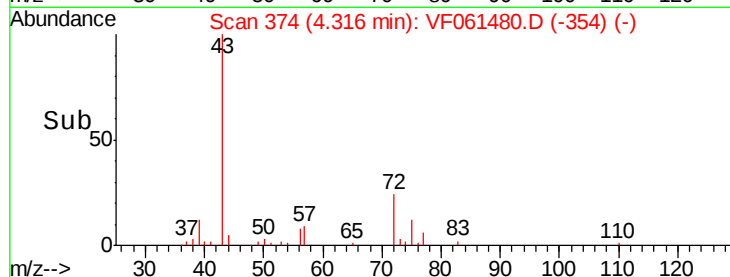
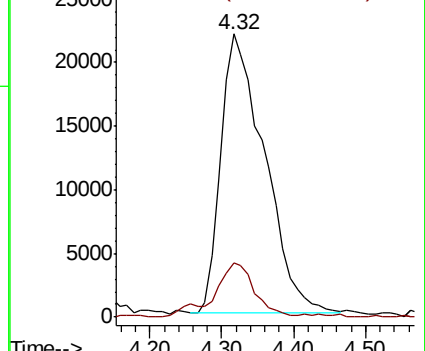
43 100

72 19.0 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: 20.477 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061480.D

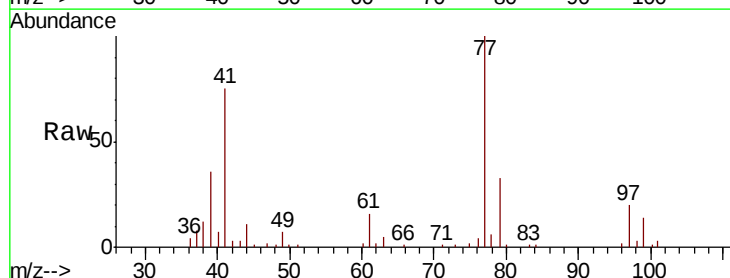
Acq: 23 Jan 2019 12:53

Tgt Ion: 77 Resp: 47363

Ion Ratio Lower Upper

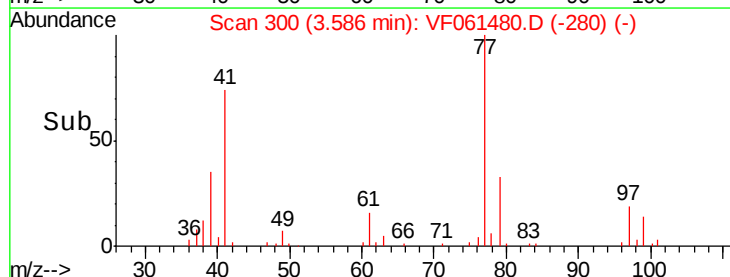
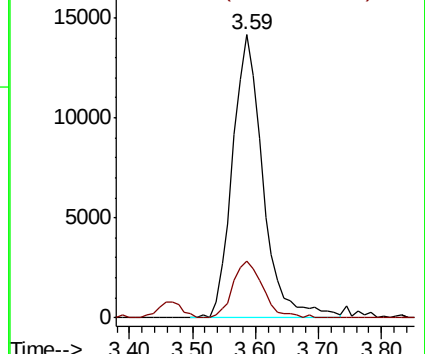
77 100

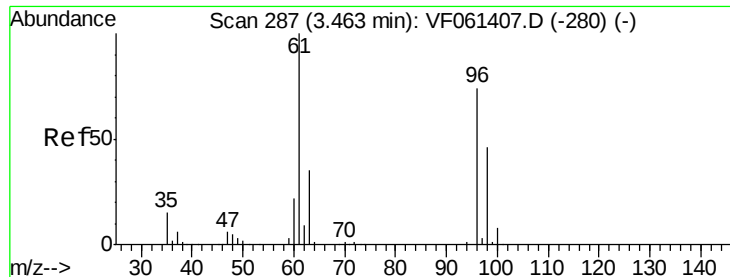
97 20.0 8.5 25.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



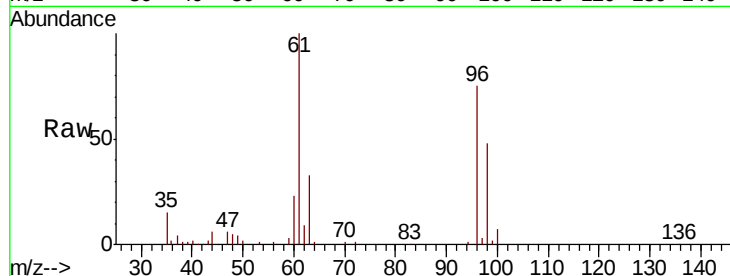


#27

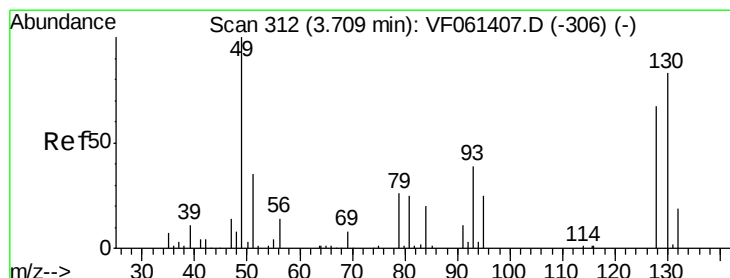
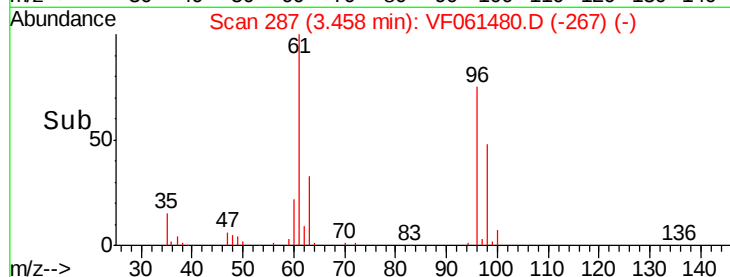
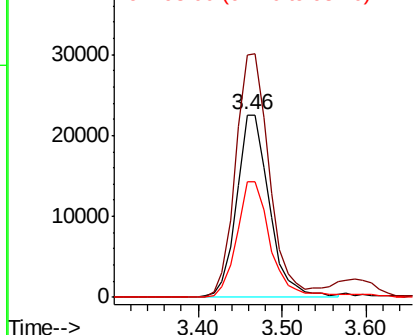
cis-1,2-Dichloroethene
 Concen: 22.422 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

Tgt Ion: 96 Resp: 61380
 Ion Ratio Lower Upper
 96 100
 61 133.1 0.0 270.2
 98 63.5 0.0 124.0



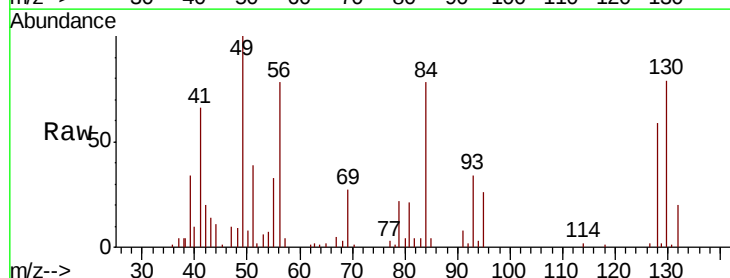
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



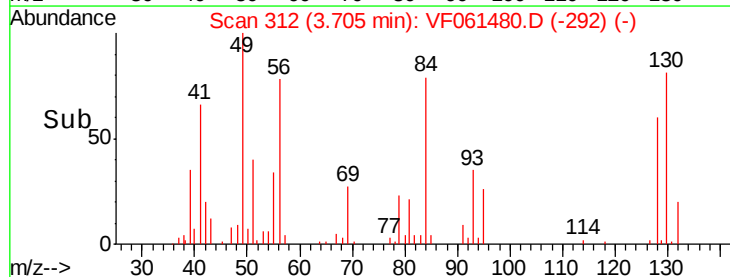
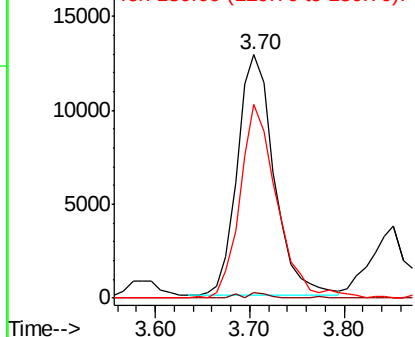
#28

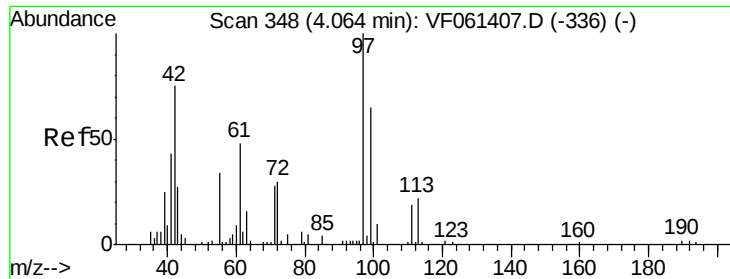
Bromochloromethane
 Concen: 20.512 ug/l
 RT: 3.70 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

Tgt Ion: 49 Resp: 34711
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 0.0#
 130 79.4 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: 111.985 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

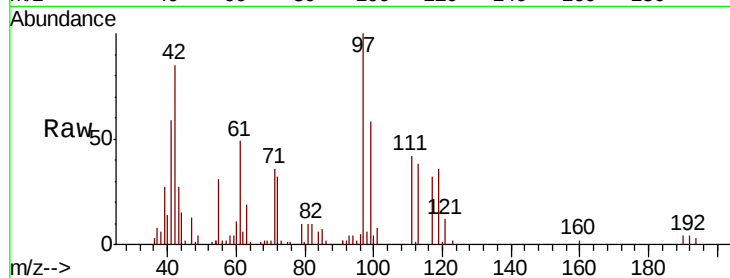
Tgt Ion: 42 Resp: 37640

Ion Ratio Lower Upper

42 100

72 36.3 28.9 43.3

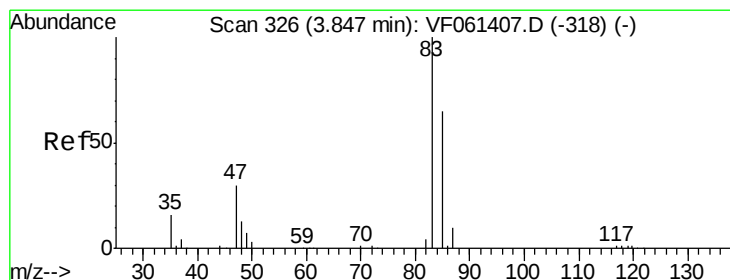
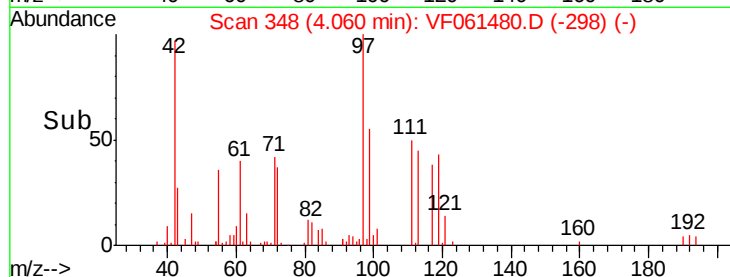
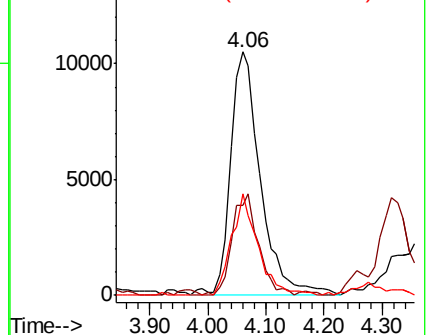
71 36.7 29.6 44.4



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: 22.108 ug/l

RT: 3.85 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF061480.D

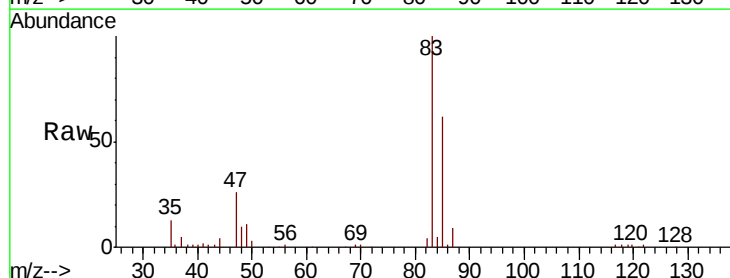
Acq: 23 Jan 2019 12:53

Tgt Ion: 83 Resp: 112326

Ion Ratio Lower Upper

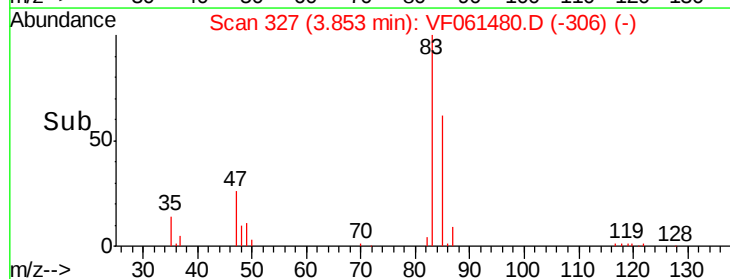
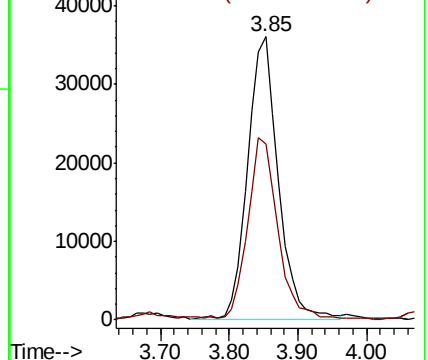
83 100

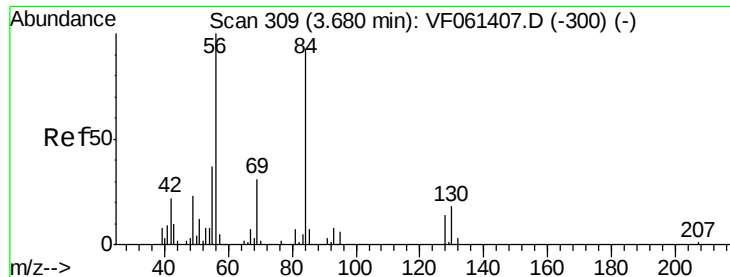
85 62.2 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

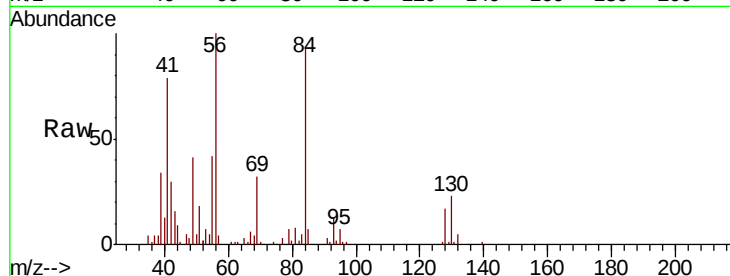




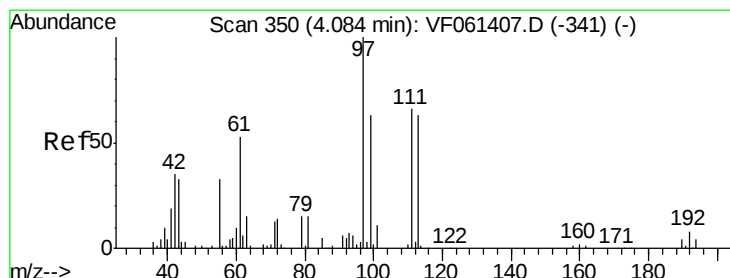
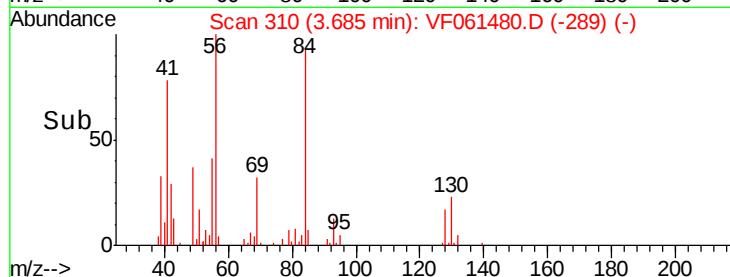
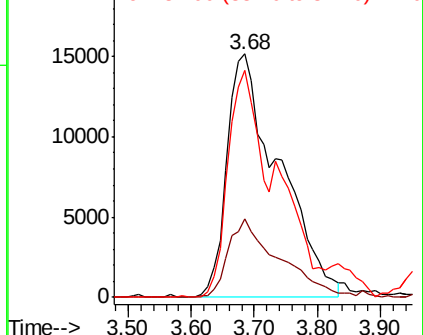
#31
Cyclohexane
Concen: 23.060 ug/l
RT: 3.68 min Scan# 310
Delta R.T. 0.01 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

Tgt Ion: 56 Resp: 86719
Ion Ratio Lower Upper
56 100
69 32.0 24.6 36.8
84 93.1 74.2 111.2

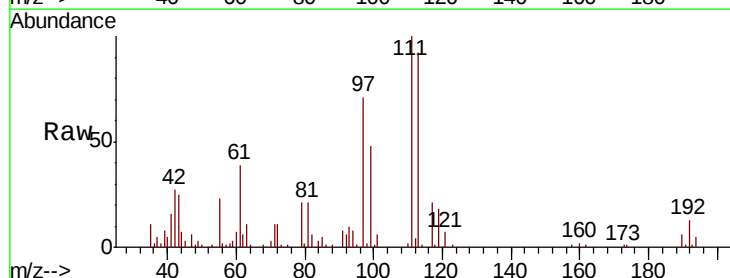


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

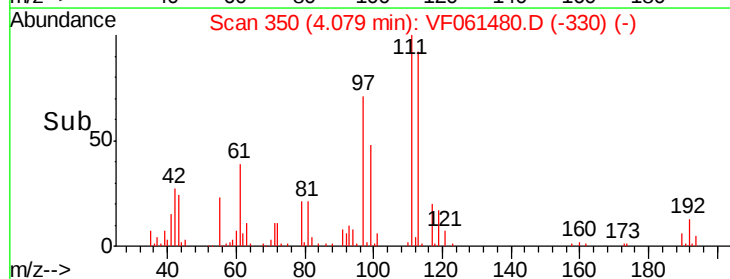
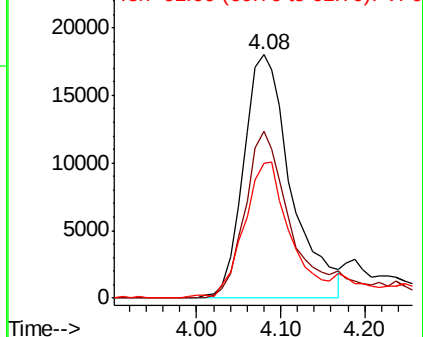


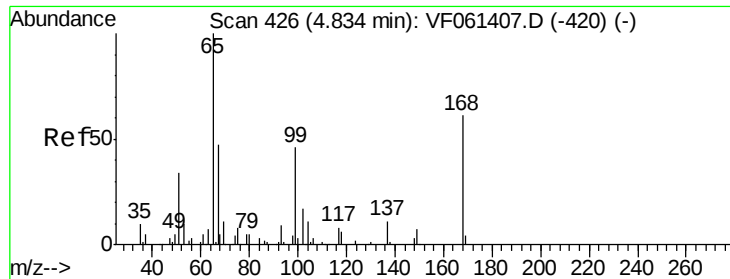
#32
1,1,1-Trichloroethane
Concen: 19.119 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Tgt Ion: 97 Resp: 71227
Ion Ratio Lower Upper
97 100
99 68.4 50.1 75.1
61 55.6 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

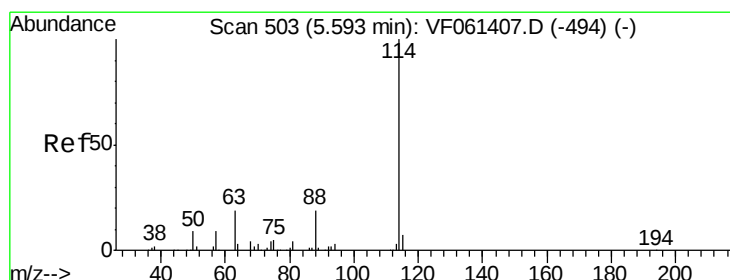
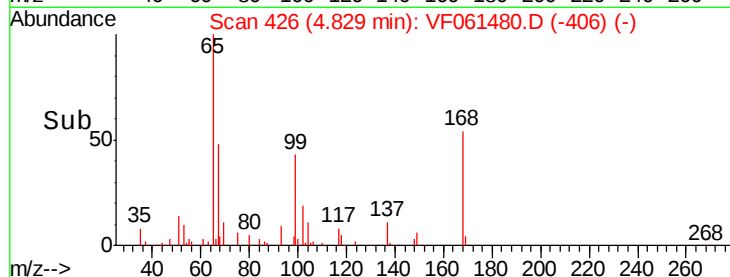
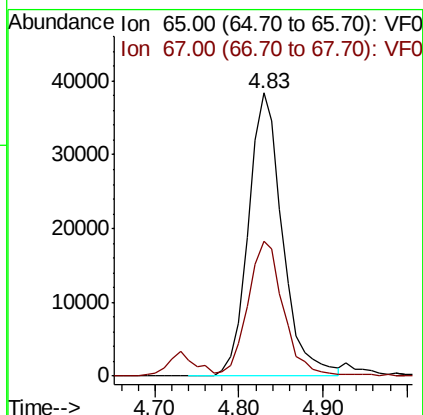
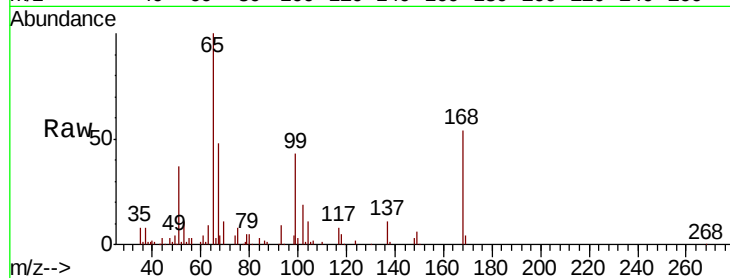




#33
 1,2-Dichloroethane-d4
 Concen: 46.761 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

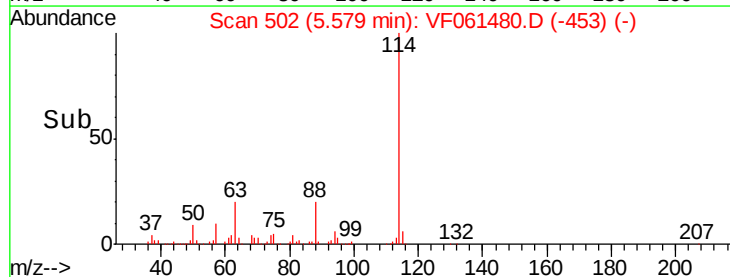
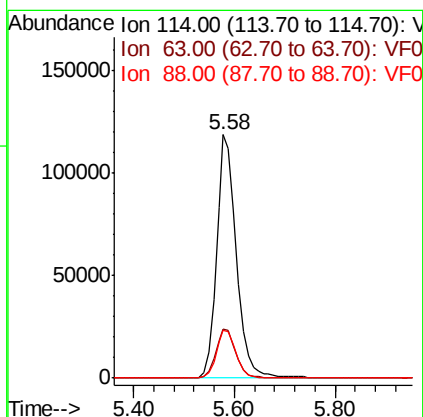
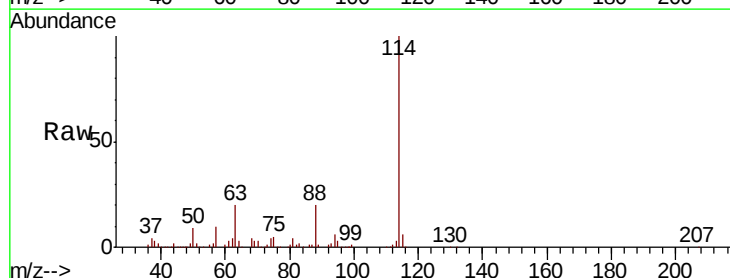
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

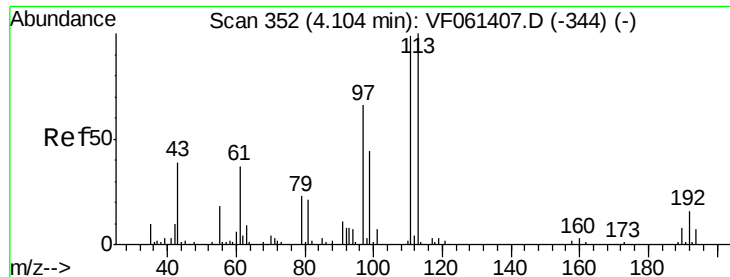
Tgt Ion: 65 Resp: 109412
 Ion Ratio Lower Upper
 65 100
 67 47.7 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

Tgt Ion: 114 Resp: 325589
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 19.6 0.0 37.4





#35

Dibromofluoromethane

Concen: 49.352 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

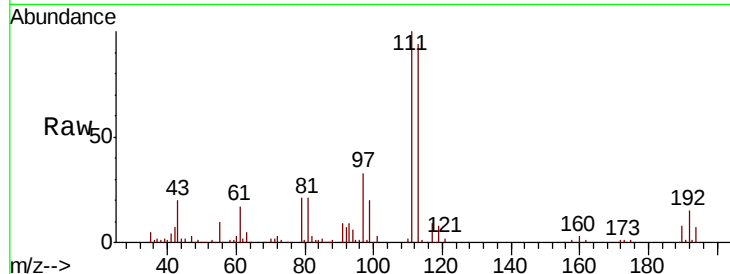
Tgt Ion:113 Resp: 126794

Ion Ratio Lower Upper

113 100

111 106.9 79.4 119.0

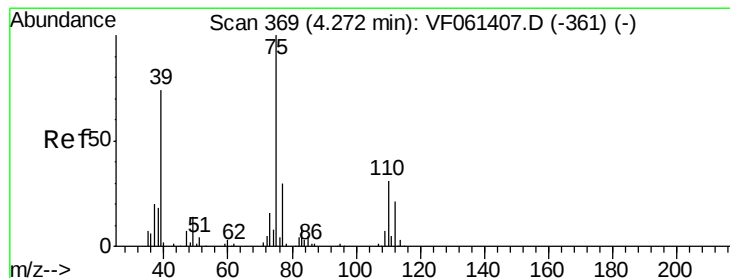
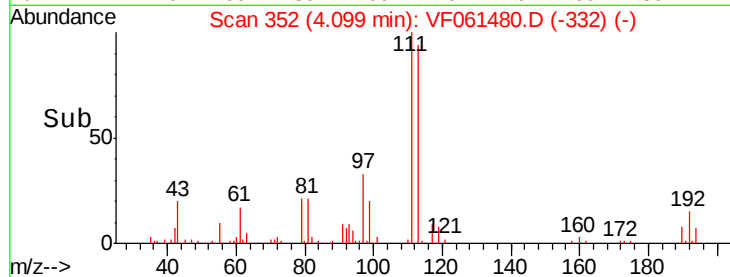
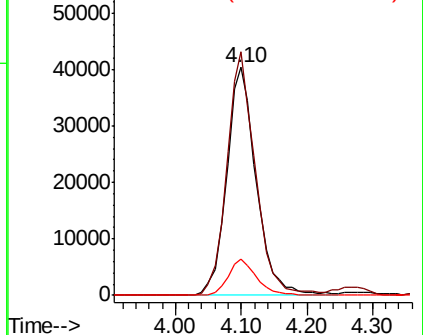
192 15.9 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 22.087 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

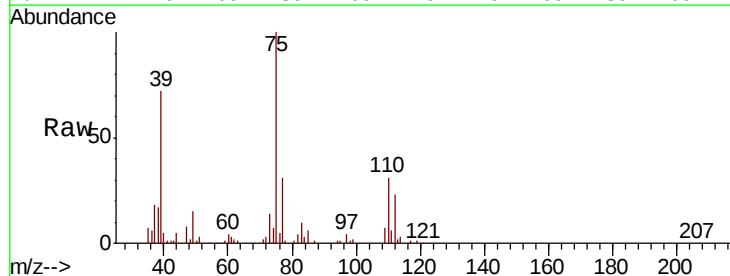
Tgt Ion: 75 Resp: 83380

Ion Ratio Lower Upper

75 100

110 31.3 15.8 47.3

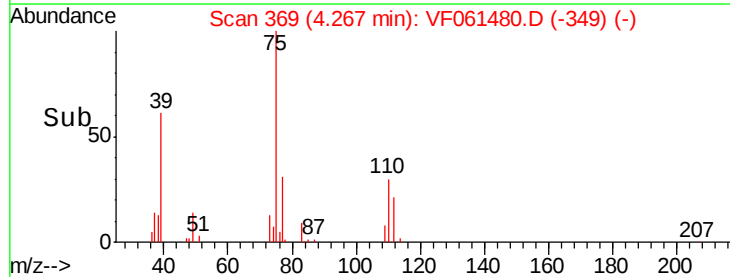
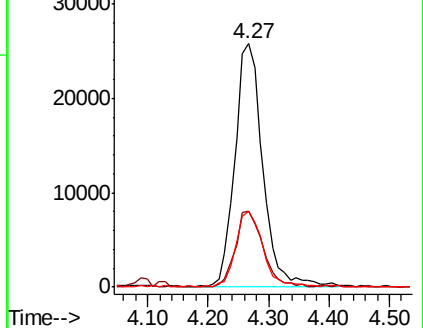
77 30.9 24.0 36.0

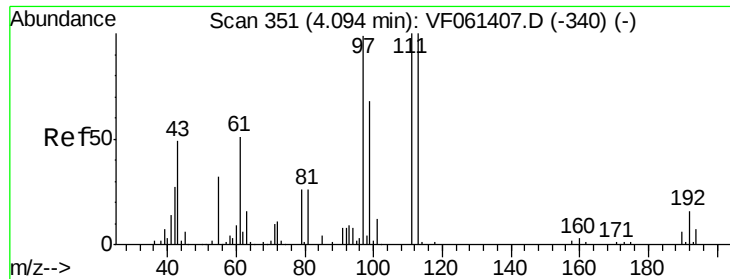


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

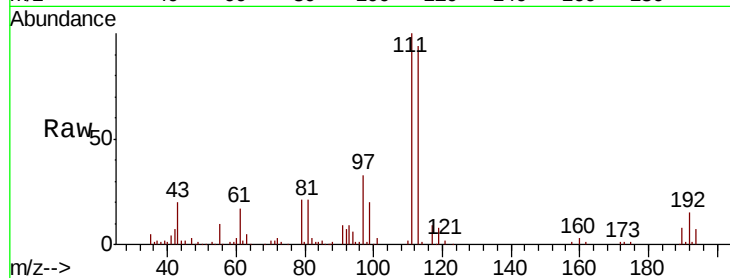




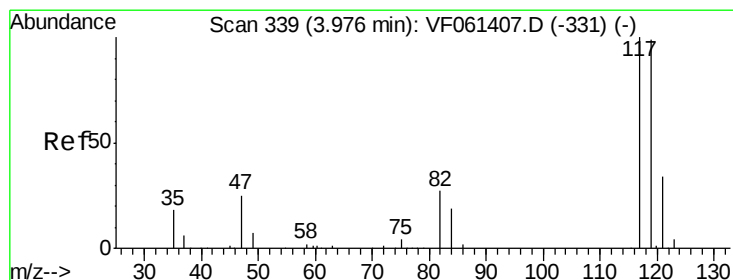
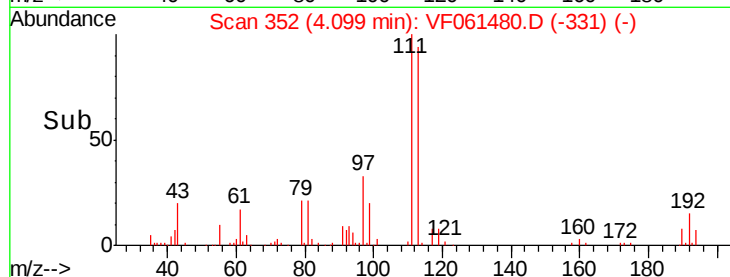
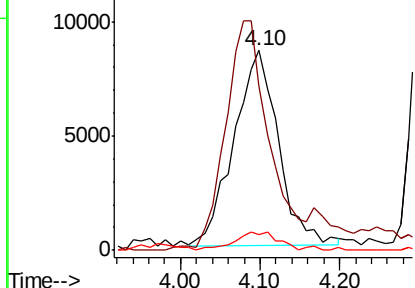
#37
Ethyl Acetate
Concen: 22.149 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.01 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

Tgt Ion: 43 Resp: 33423
Ion Ratio Lower Upper
43 100
61 82.2 81.7 122.5
70 8.0 6.2 9.2

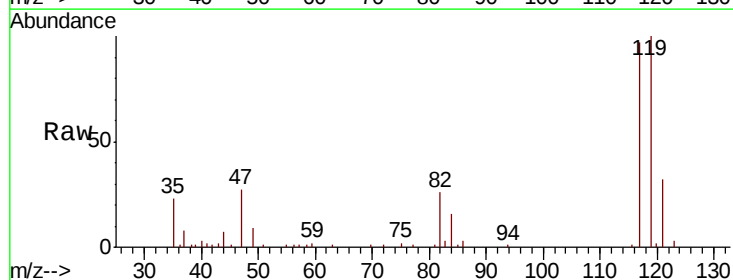


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

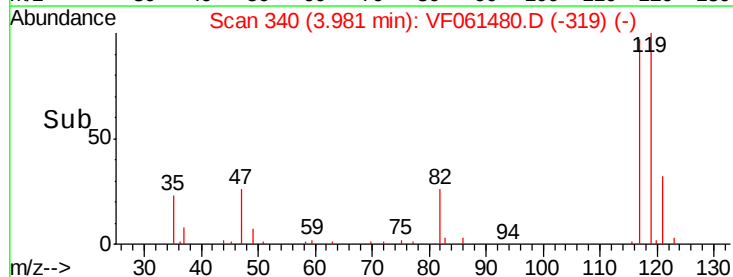
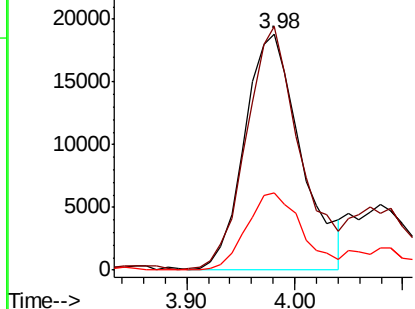


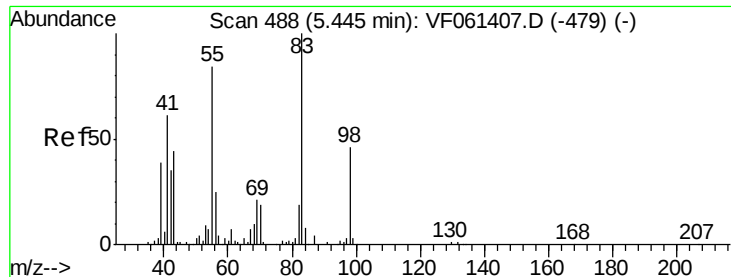
#38
Carbon Tetrachloride
Concen: 20.704 ug/l
RT: 3.98 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Tgt Ion: 117 Resp: 68330
Ion Ratio Lower Upper
117 100
119 103.0 79.0 118.6
121 32.5 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

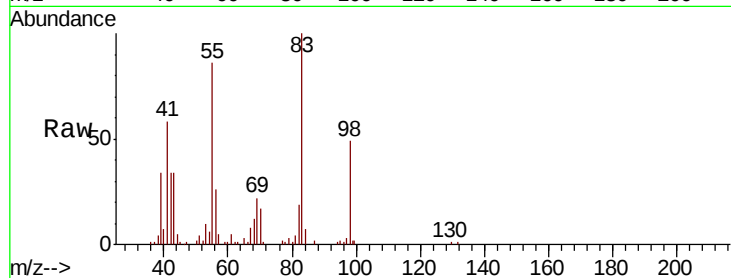




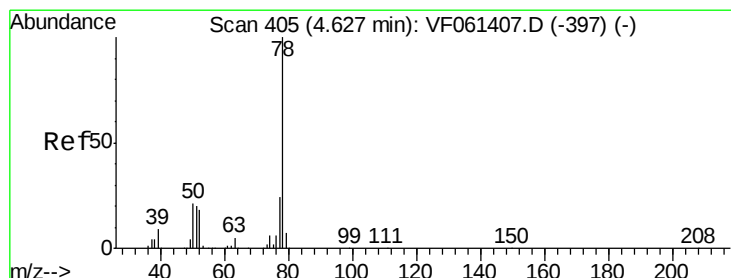
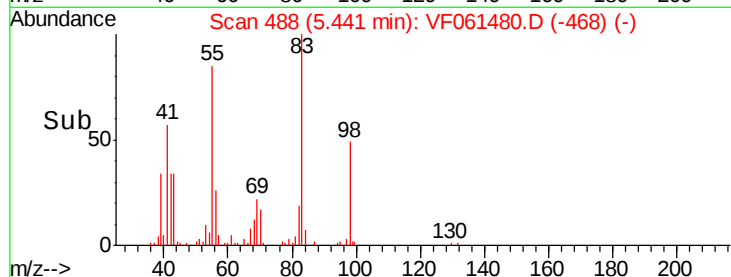
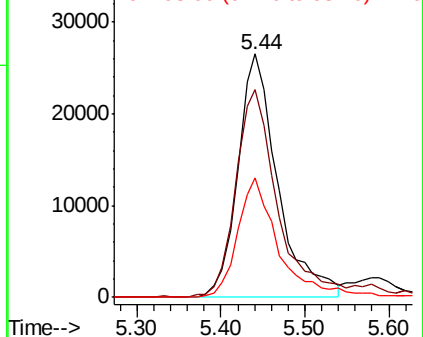
#39
Methylcyclohexane
Concen: 21.470 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.00 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

Tgt Ion: 83 Resp: 87835
Ion Ratio Lower Upper
83 100
55 85.6 67.4 101.2
98 49.3 36.7 55.1

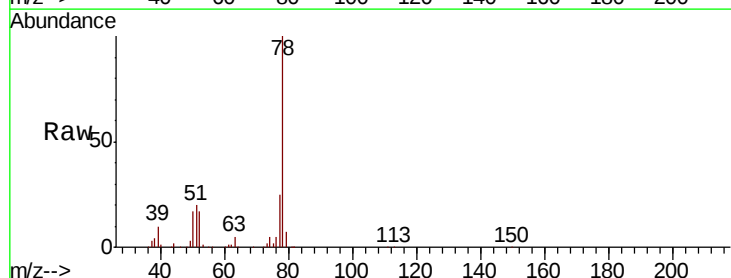


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

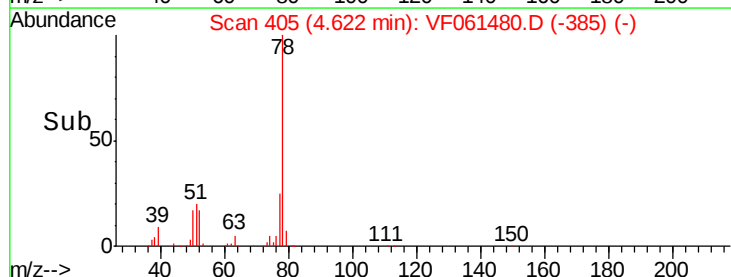
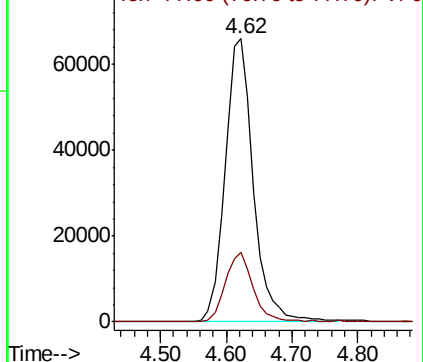


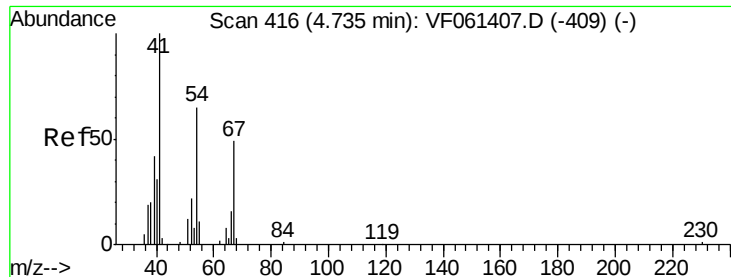
#40
Benzene
Concen: 23.554 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Tgt Ion: 78 Resp: 197855
Ion Ratio Lower Upper
78 100
77 24.7 19.0 28.6



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





#41

Methacrylonitrile

Concen: 22.845 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

Tgt Ion: 41 Resp: 18343

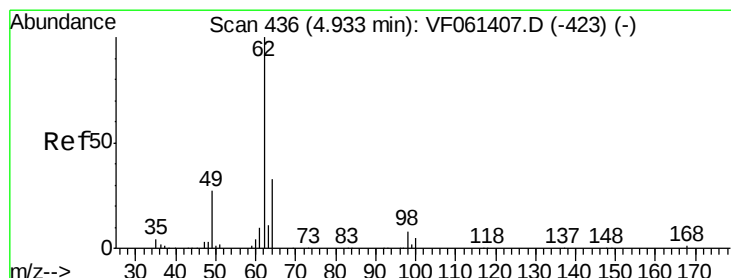
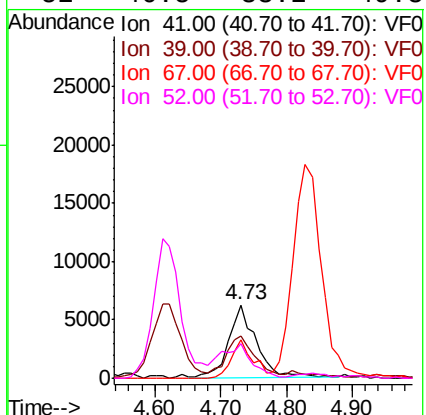
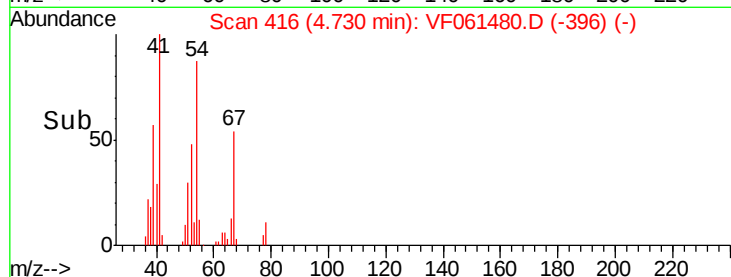
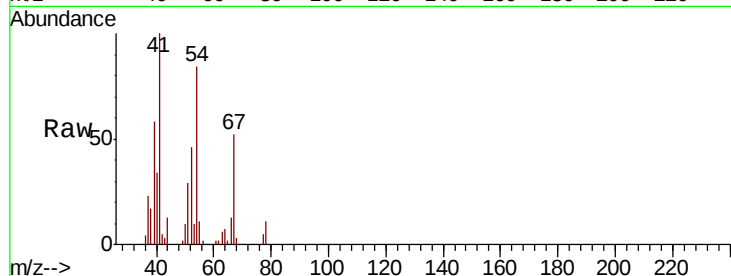
Ion Ratio Lower Upper

41 100

39 58.4 43.1 64.7

67 52.1 38.8 58.2

52 46.5 33.2 49.8



#42

1,2-Dichloroethane

Concen: 20.574 ug/l

RT: 4.93 min Scan# 436

Delta R.T. -0.00 min

Lab File: VF061480.D

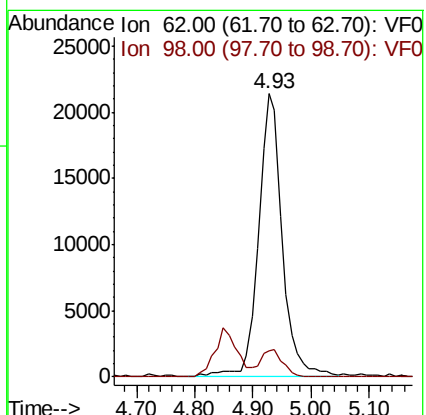
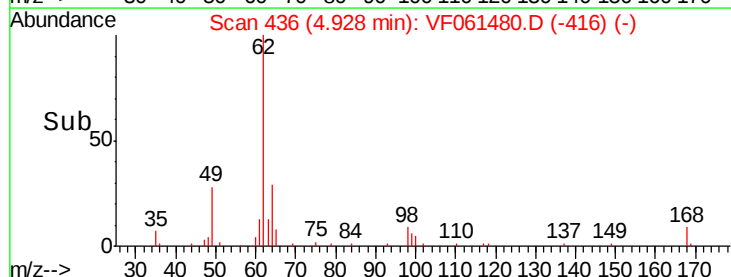
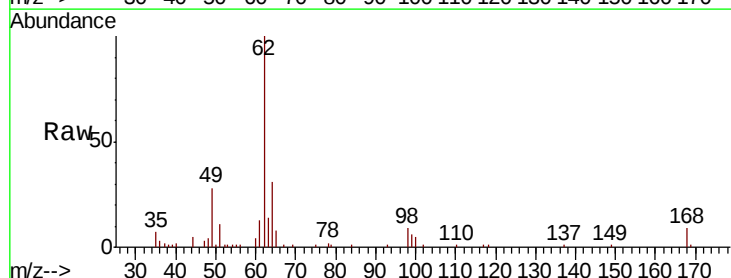
Acq: 23 Jan 2019 12:53

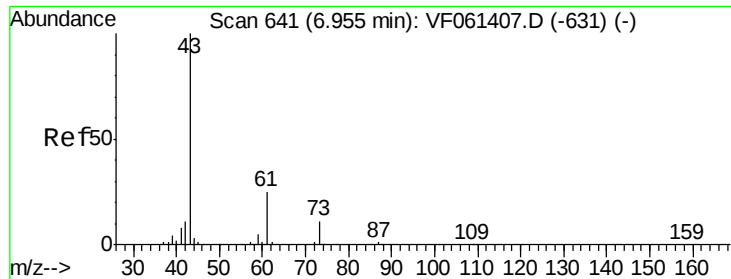
Tgt Ion: 62 Resp: 61585

Ion Ratio Lower Upper

62 100

98 9.4 0.0 17.0





#43

Isopropyl Acetate

Concen: 24.795 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

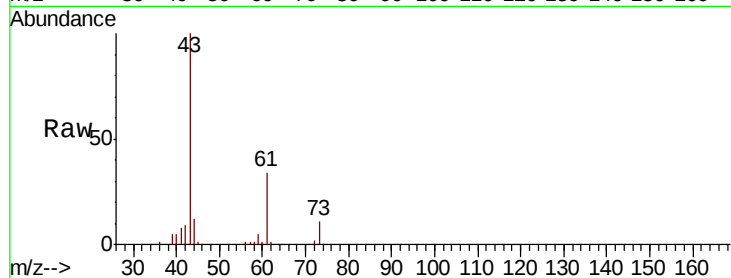
Tgt Ion: 43 Resp: 46959

Ion Ratio Lower Upper

43 100

61 34.4 20.3 30.5#

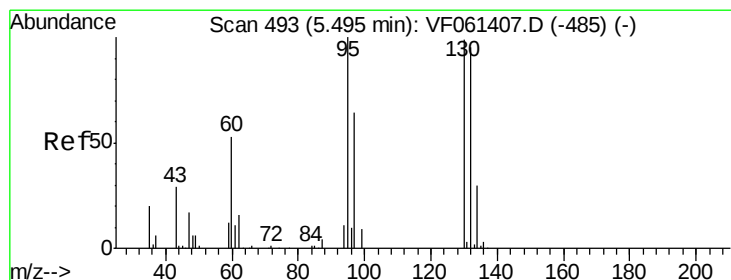
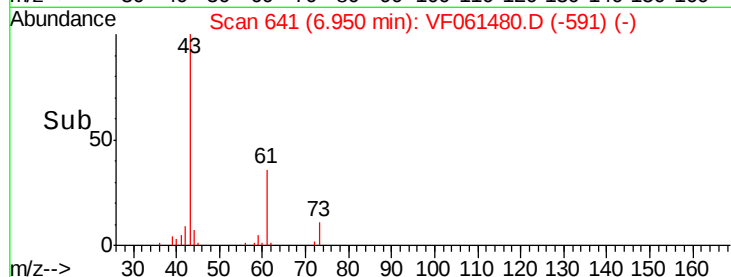
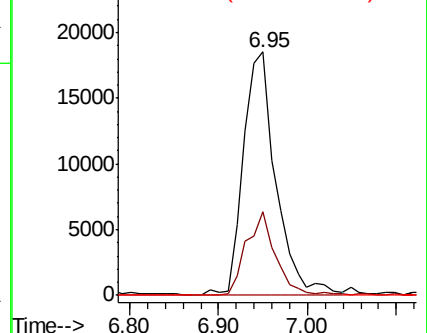
87 0.0 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 23.335 ug/l

RT: 5.49 min Scan# 493

Delta R.T. -0.00 min

Lab File: VF061480.D

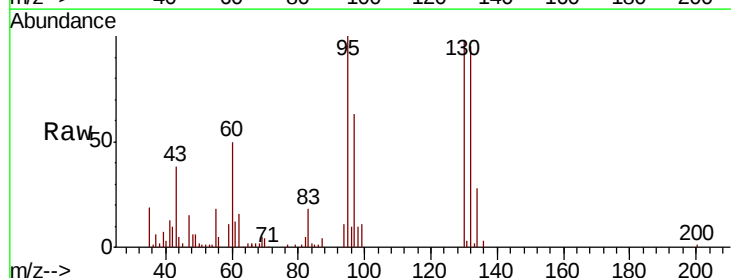
Acq: 23 Jan 2019 12:53

Tgt Ion:130 Resp: 60132

Ion Ratio Lower Upper

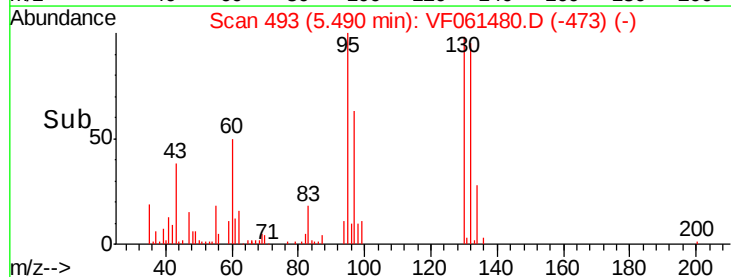
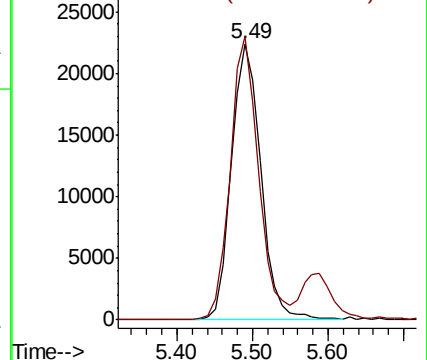
130 100

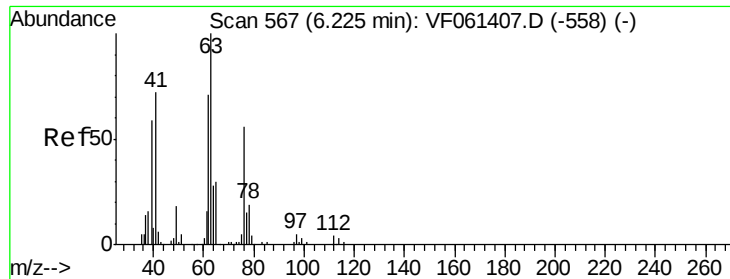
95 102.5 0.0 202.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.600 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

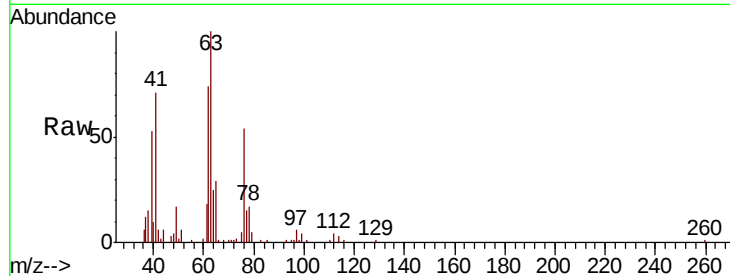
VF0123SBS01

Tgt Ion: 63 Resp: 49824

Ion Ratio Lower Upper

63 100

65 29.3 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.22

20000

15000

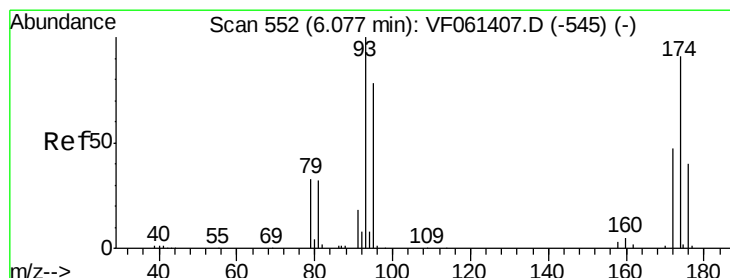
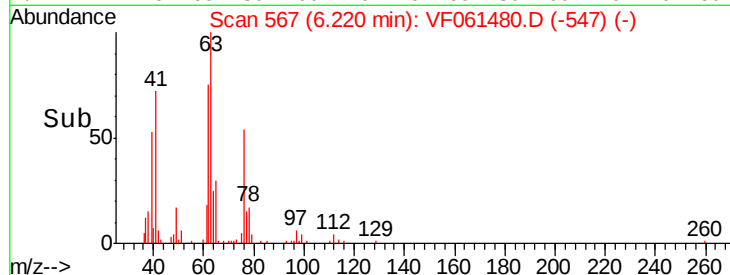
10000

5000

0

6.10 6.20 6.30 6.40

Time-->



#46

Dibromomethane

Concen: 21.463 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

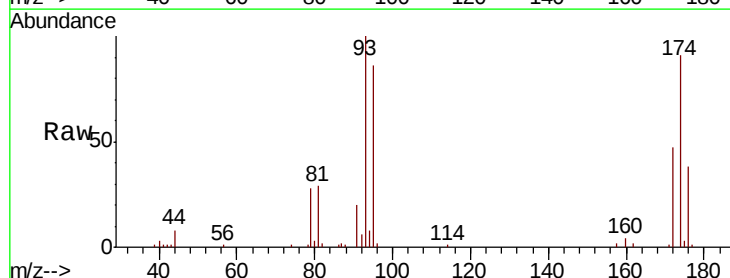
Tgt Ion: 93 Resp: 31463

Ion Ratio Lower Upper

93 100

95 85.6 62.1 93.1

174 91.1 74.6 111.8



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

15000

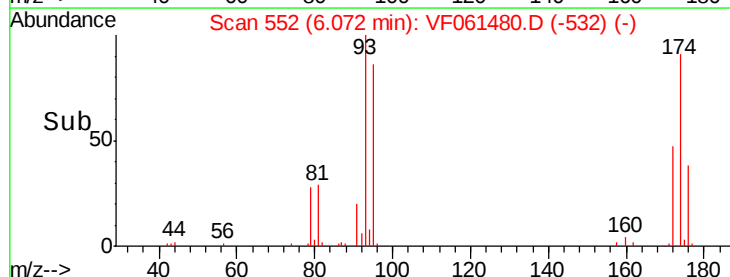
10000

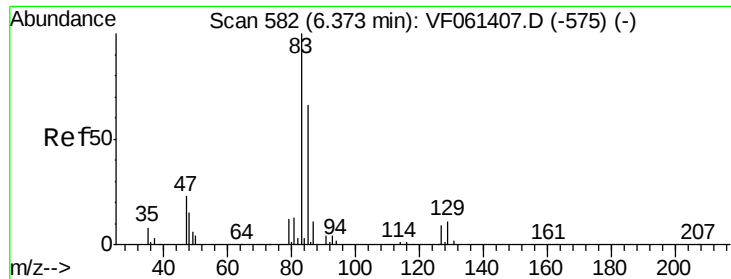
5000

0

6.00 6.10 6.20

Time-->





#47

Bromodichloromethane

Concen: 21.733 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

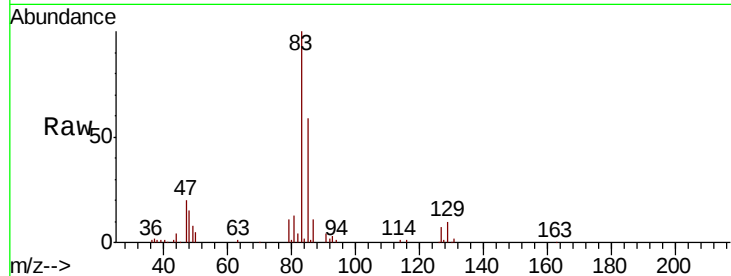
Tgt Ion: 83 Resp: 78826

Ion Ratio Lower Upper

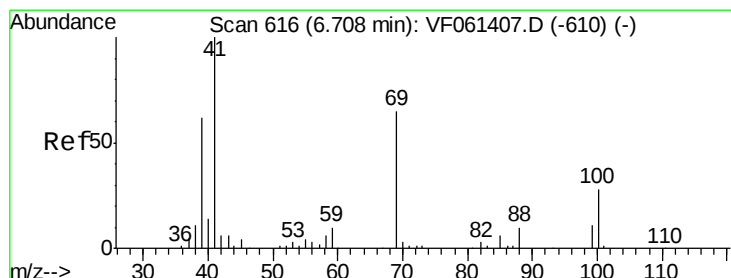
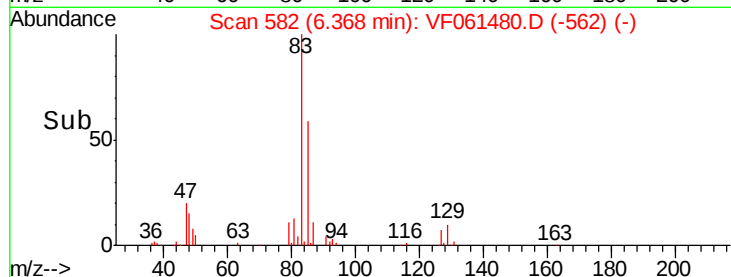
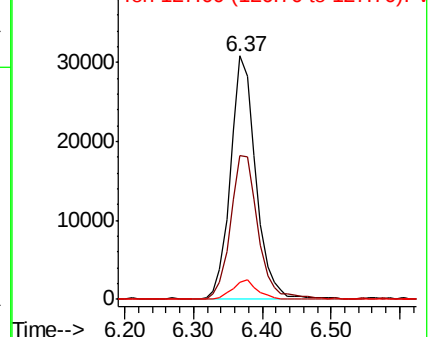
83 100

85 59.1 53.0 79.4

127 7.3 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: 21.861 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

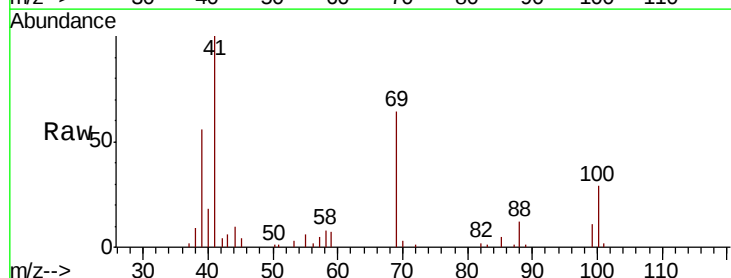
Tgt Ion: 41 Resp: 27802

Ion Ratio Lower Upper

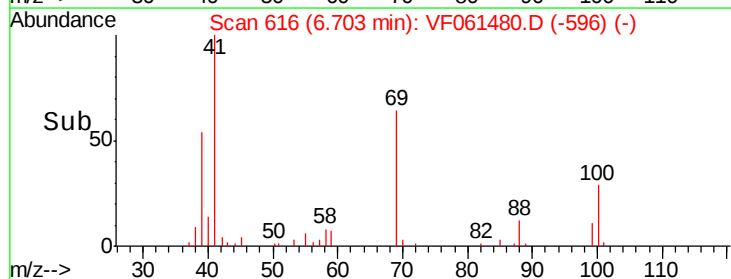
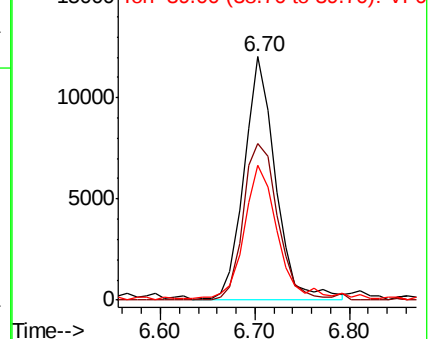
41 100

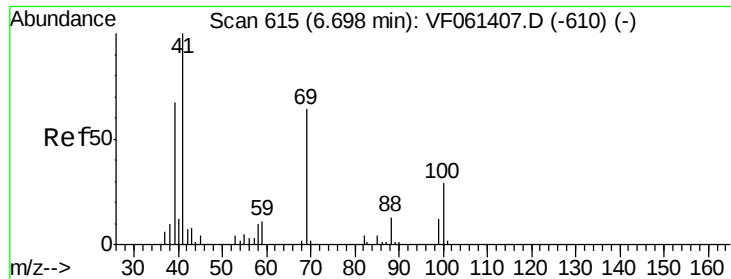
69 64.3 51.7 77.5

39 55.6 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: 395.680 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.01 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

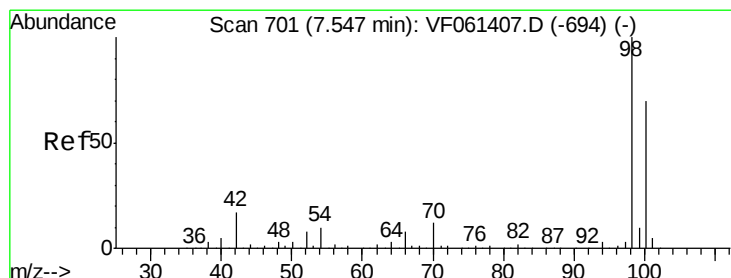
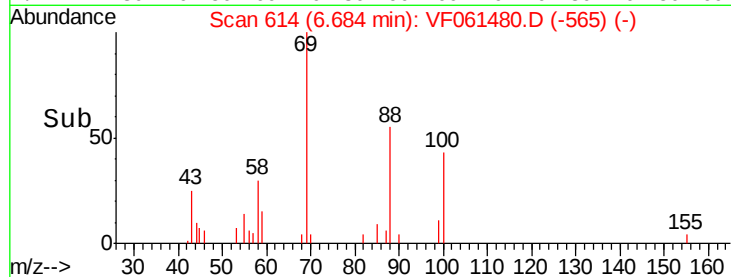
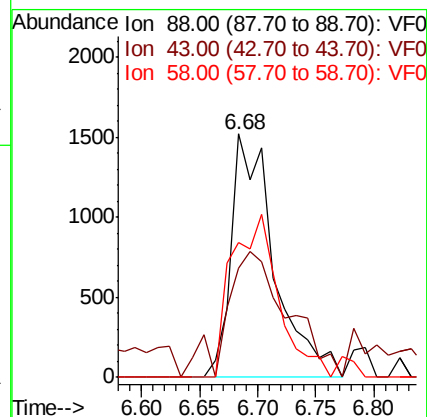
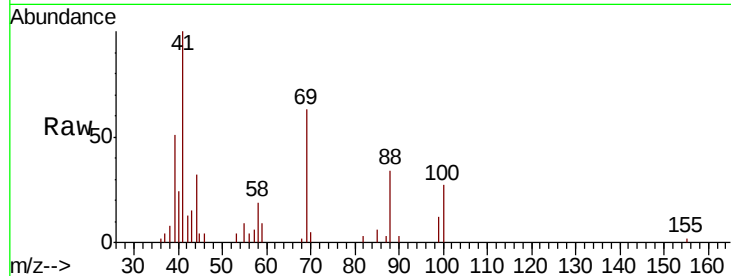
Tgt Ion: 88 Resp: 3885

Ion Ratio Lower Upper

88 100

43 45.0 55.5 83.3#

58 55.2 59.9 89.9#



#50

Toluene-d8

Concen: 52.901 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061480.D

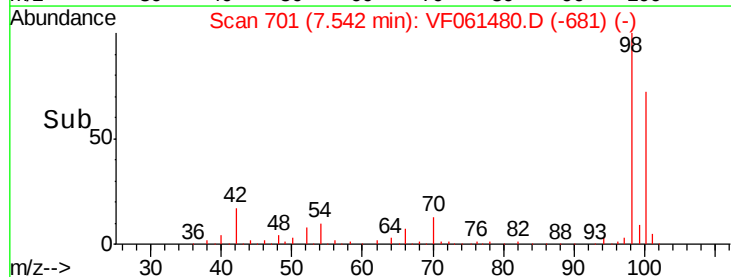
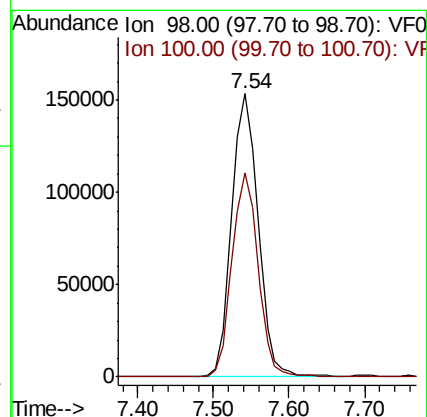
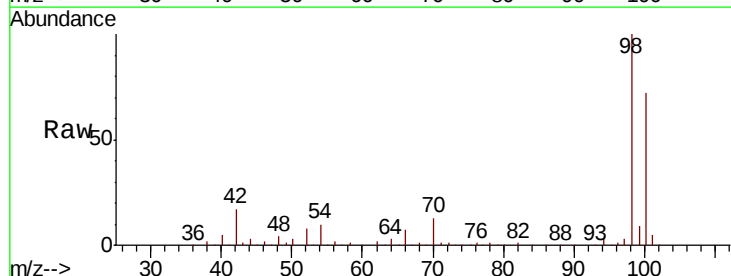
Acq: 23 Jan 2019 12:53

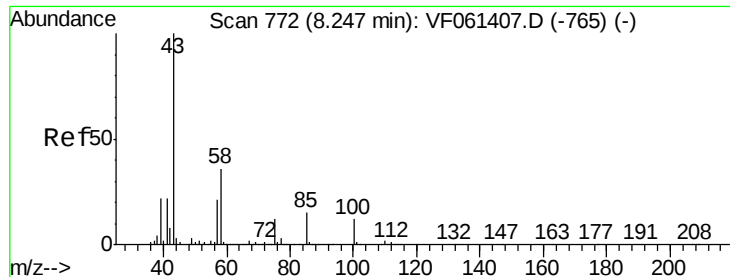
Tgt Ion: 98 Resp: 372376

Ion Ratio Lower Upper

98 100

100 72.0 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 115.995 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

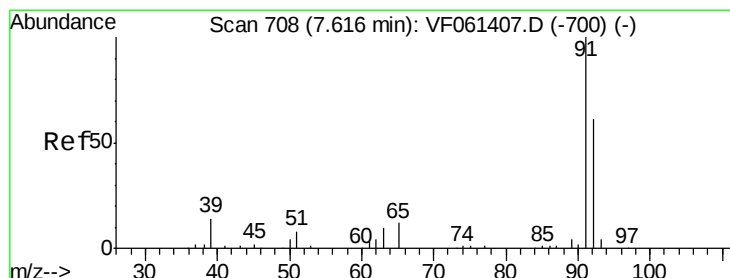
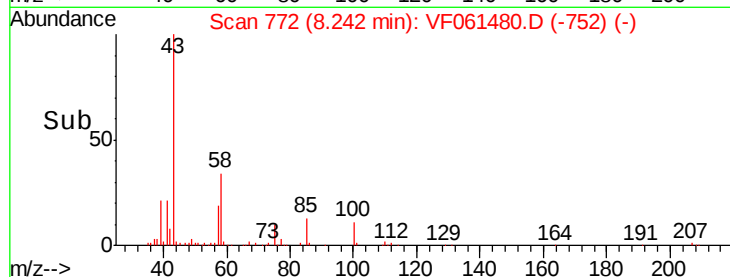
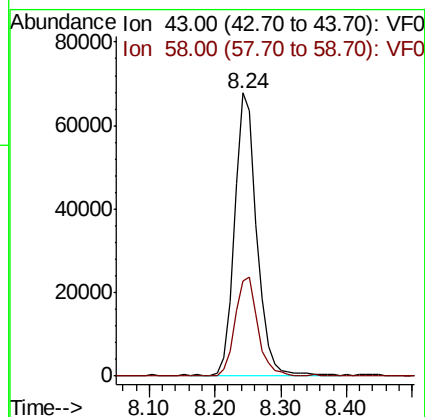
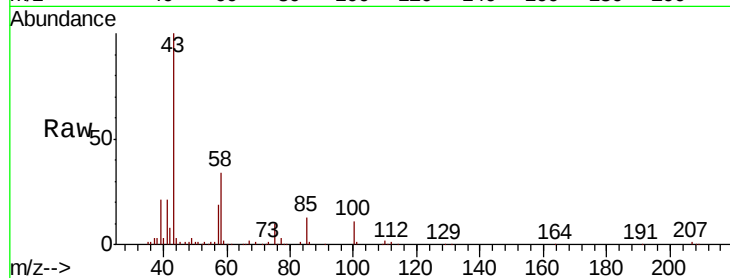
VF0123SBS01

Tgt Ion: 43 Resp: 161502

Ion Ratio Lower Upper

43 100

58 33.6 28.8 43.2



#52

Toluene

Concen: 22.943 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.00 min

Lab File: VF061480.D

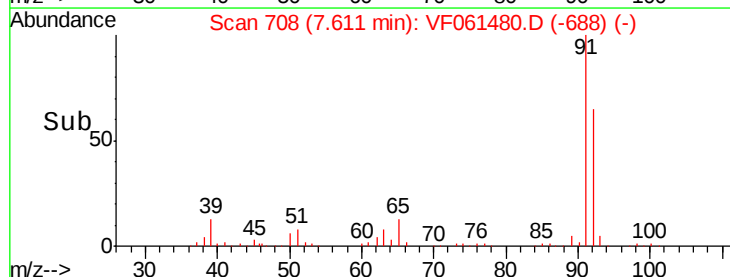
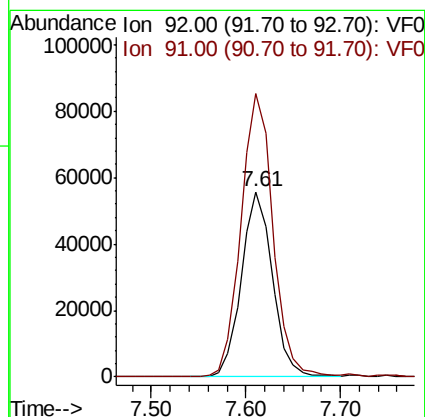
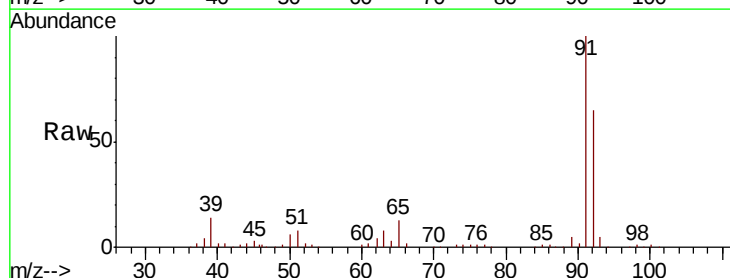
Acq: 23 Jan 2019 12:53

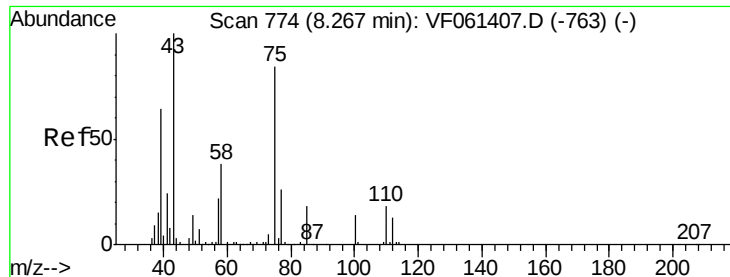
Tgt Ion: 92 Resp: 126915

Ion Ratio Lower Upper

92 100

91 152.8 131.2 196.8

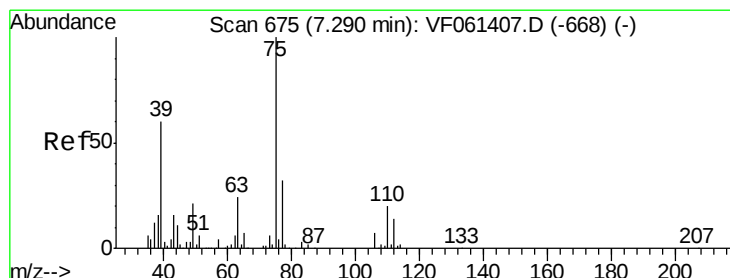
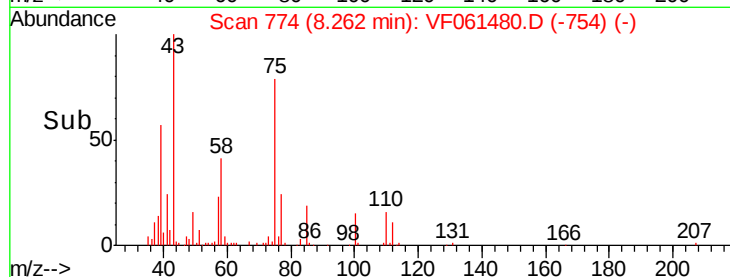
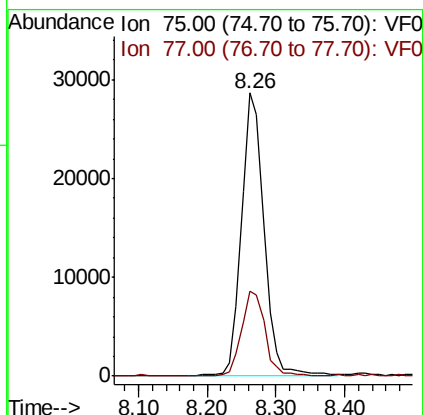
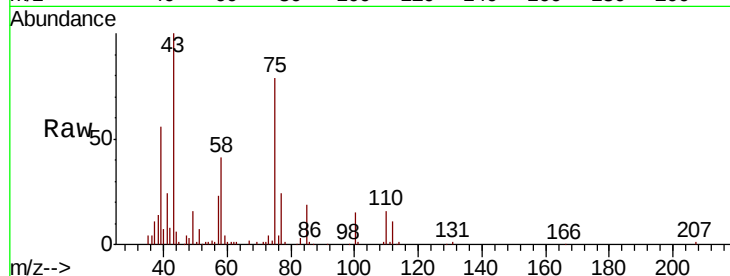




#53
 t-1,3-Dichloropropene
 Concen: 22.734 ug/l
 RT: 8.26 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

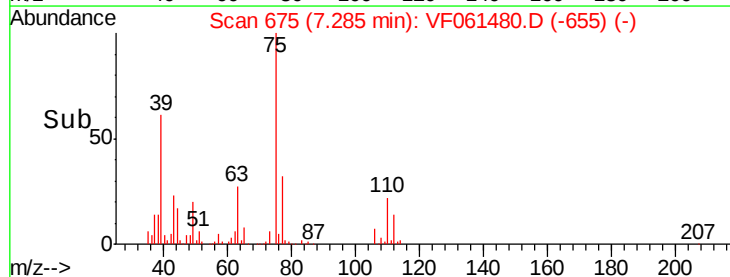
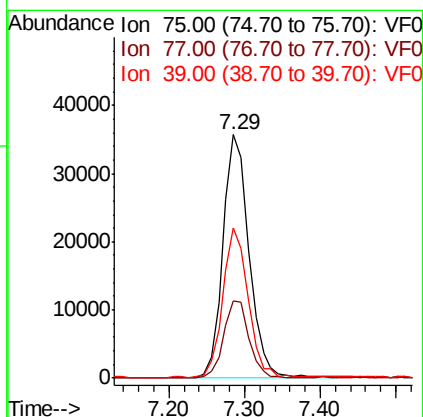
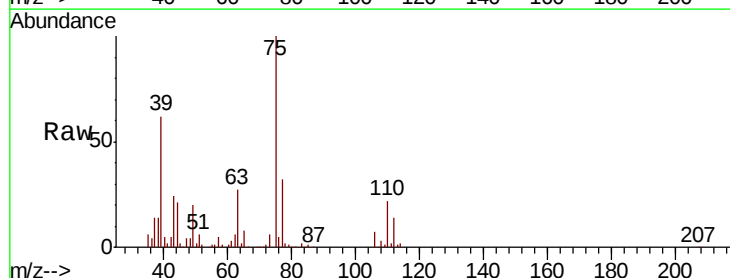
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

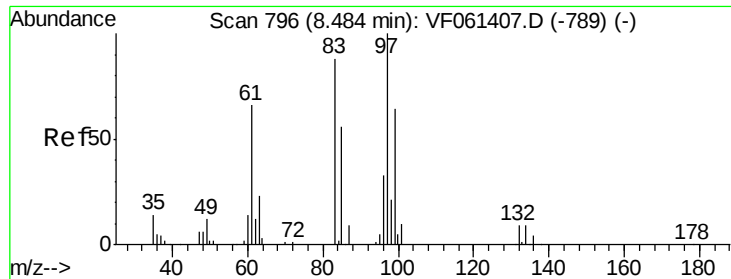
Tgt Ion: 75 Resp: 65475
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.4 36.6



#54
 cis-1,3-Dichloropropene
 Concen: 23.786 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

Tgt Ion: 75 Resp: 85629
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.0
 39 61.6 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 22.574 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

Tgt Ion: 97 Resp: 35461

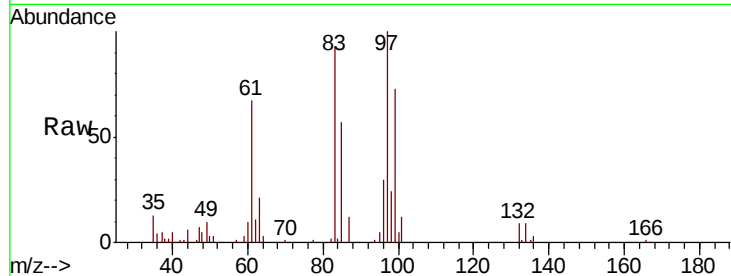
Ion Ratio Lower Upper

97 100

83 93.0 70.4 105.6

85 56.6 44.7 67.1

99 72.9 50.8 76.2

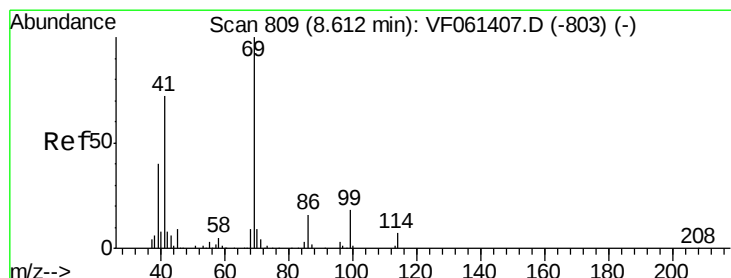
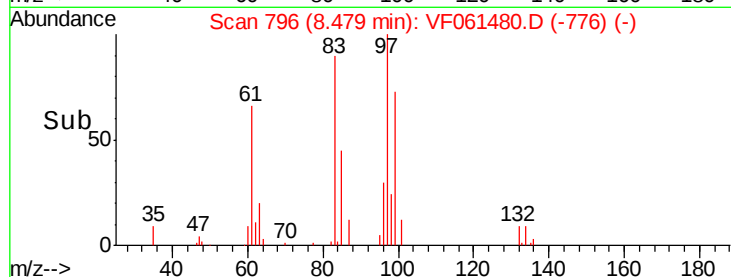
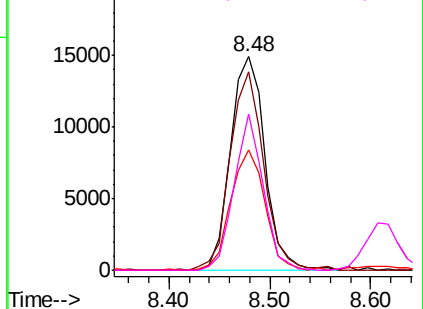


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.765 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

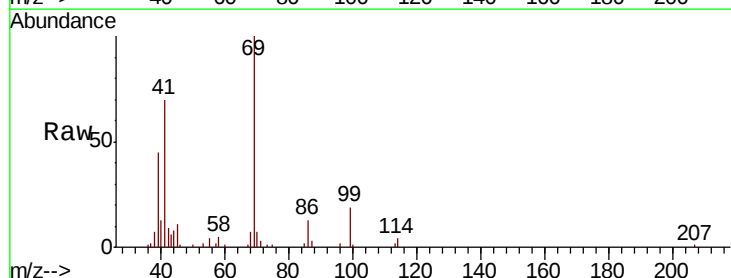
Tgt Ion: 69 Resp: 39777

Ion Ratio Lower Upper

69 100

41 70.0 57.5 86.3

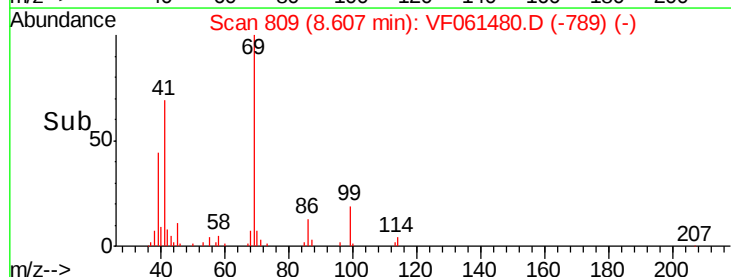
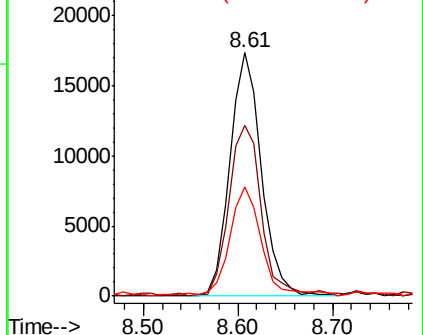
39 44.7 32.0 48.0

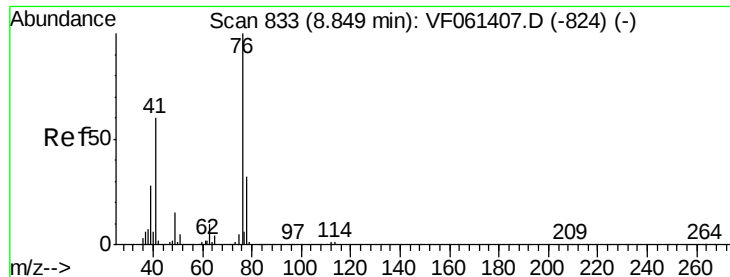


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

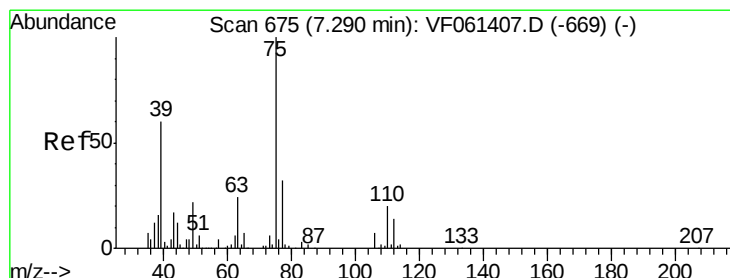
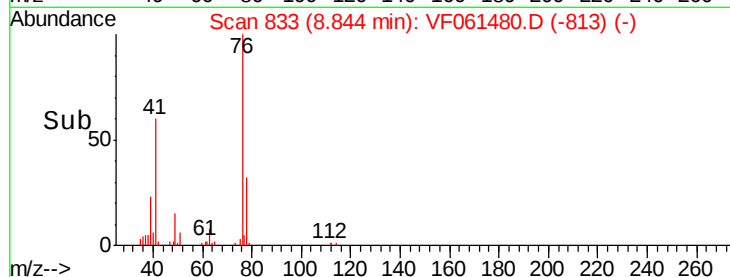
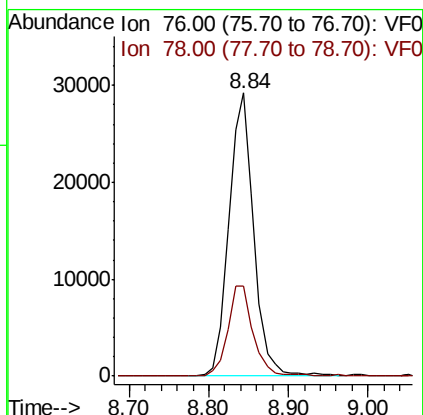
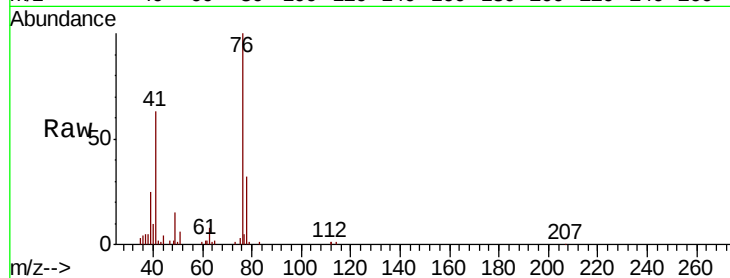




#57
 1,3-Dichloropropane
 Concen: 21.656 ug/l
 RT: 8.84 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

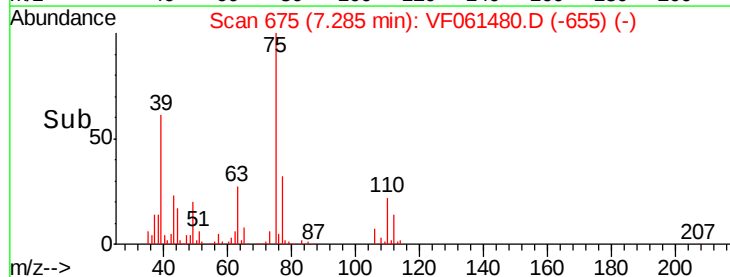
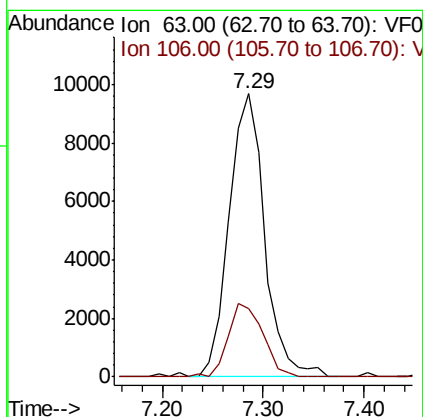
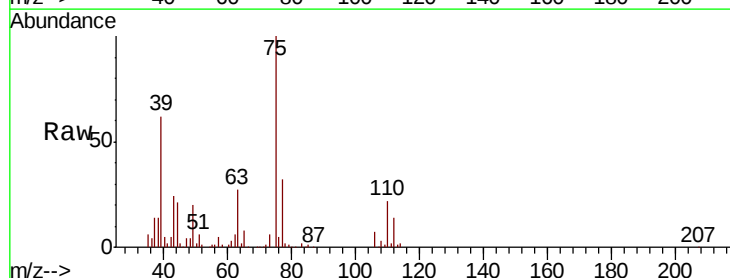
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

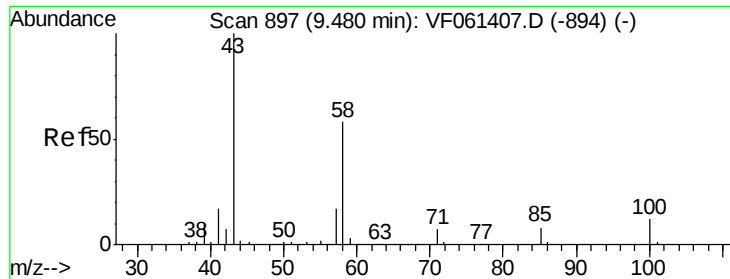
Tgt Ion: 76 Resp: 63764
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 137.395 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

Tgt Ion: 63 Resp: 23662
 Ion Ratio Lower Upper
 63 100
 106 24.0 21.9 32.9





#59

2-Hexanone

Concen: 128.428 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

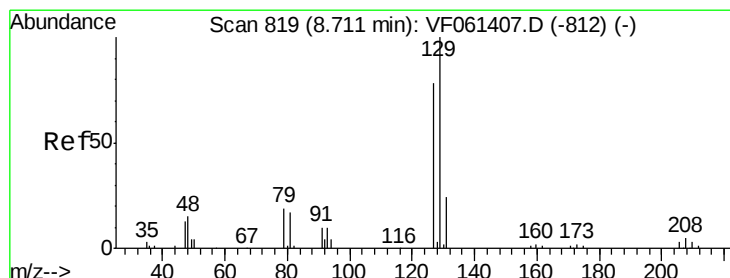
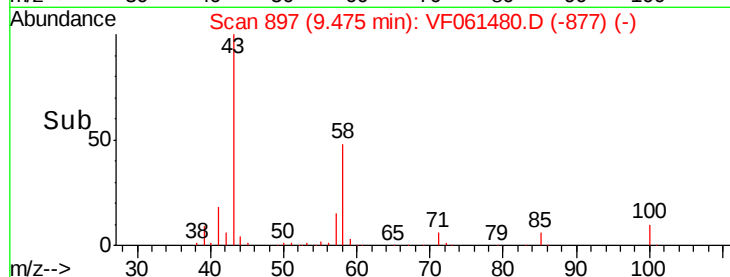
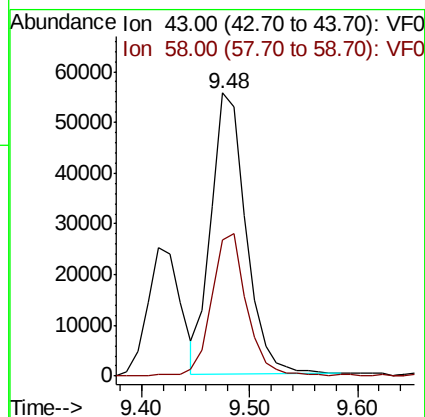
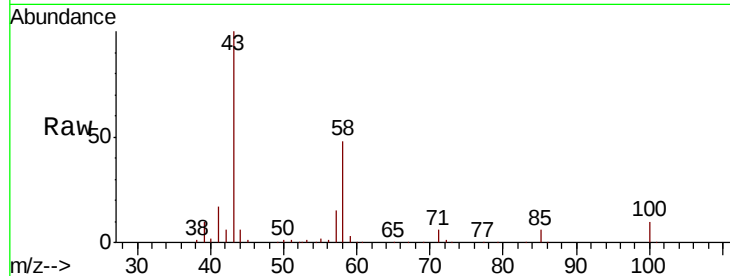
VF0123SBS01

Tgt Ion: 43 Resp: 124690

Ion Ratio Lower Upper

43 100

58 48.0 25.9 77.6



#60

Dibromochloromethane

Concen: 21.782 ug/l

RT: 8.71 min Scan# 819

Delta R.T. -0.00 min

Lab File: VF061480.D

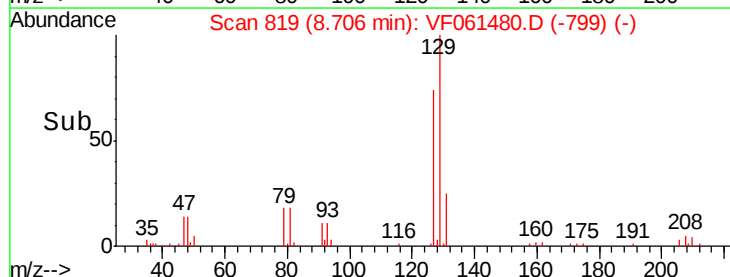
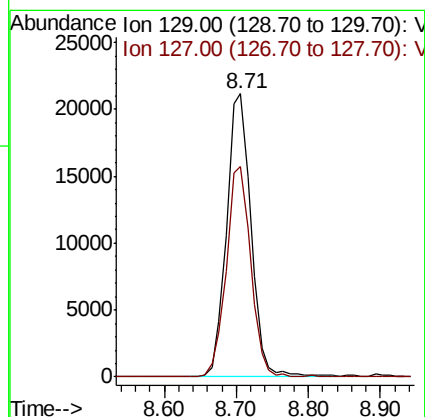
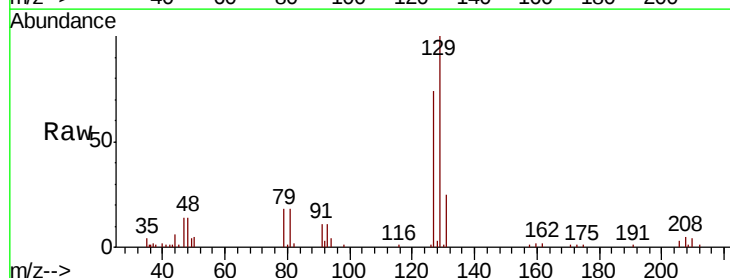
Acq: 23 Jan 2019 12:53

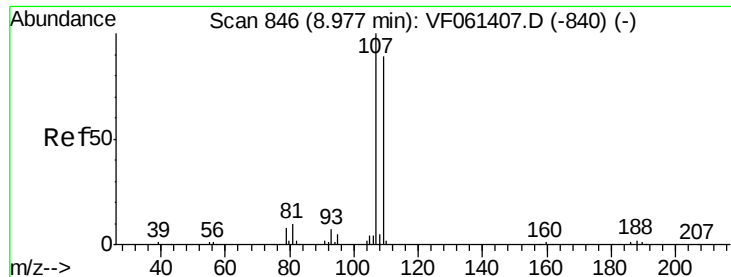
Tgt Ion: 129 Resp: 50024

Ion Ratio Lower Upper

129 100

127 74.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.205 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

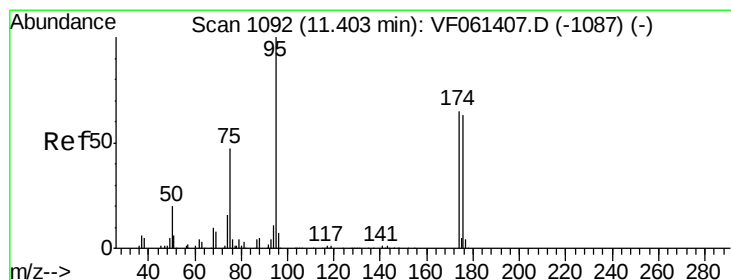
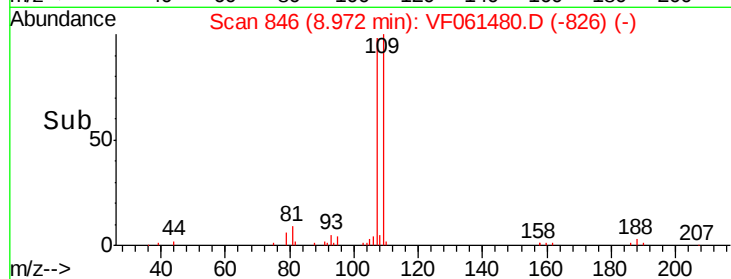
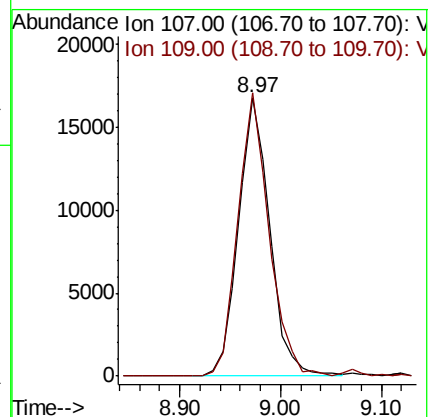
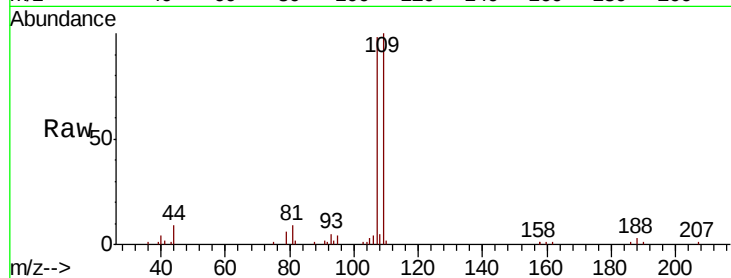
VF0123SBS01

Tgt Ion: 107 Resp: 36335

Ion Ratio Lower Upper

107 100

109 101.6 70.8 106.2



#62

4-Bromofluorobenzene

Concen: 50.286 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

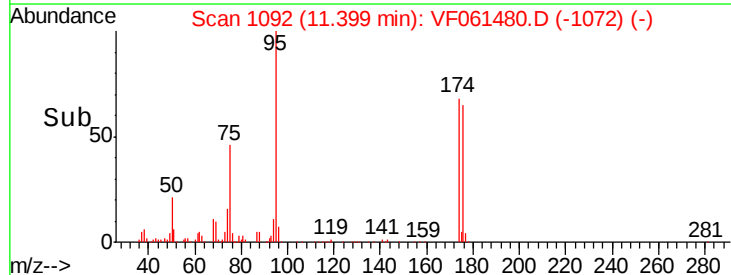
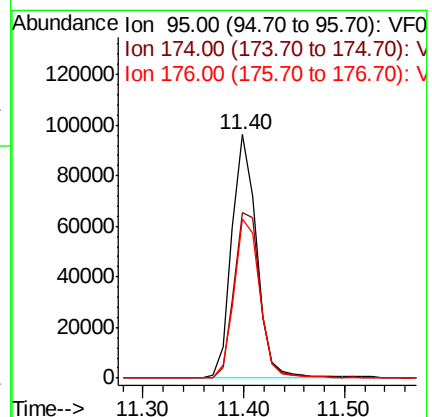
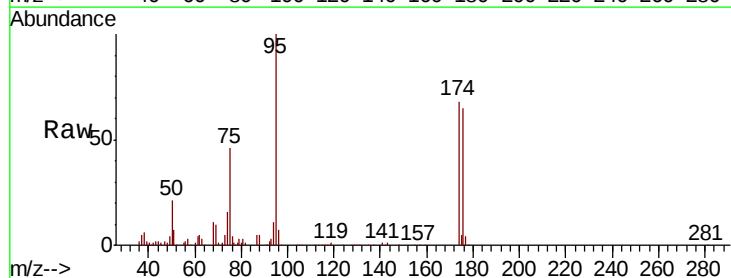
Tgt Ion: 95 Resp: 165384

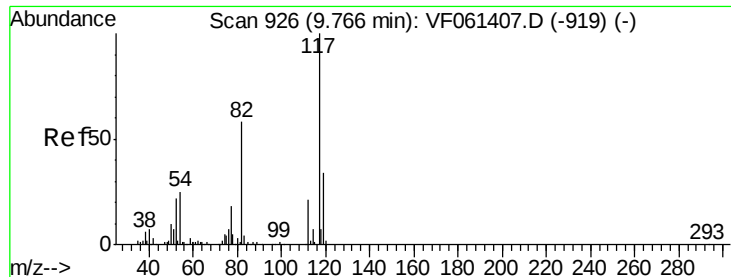
Ion Ratio Lower Upper

95 100

174 67.8 0.0 130.4

176 65.2 0.0 126.2

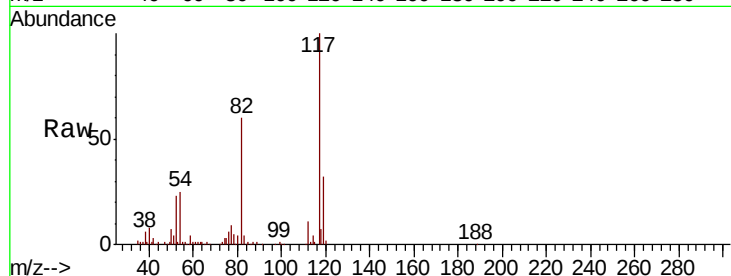




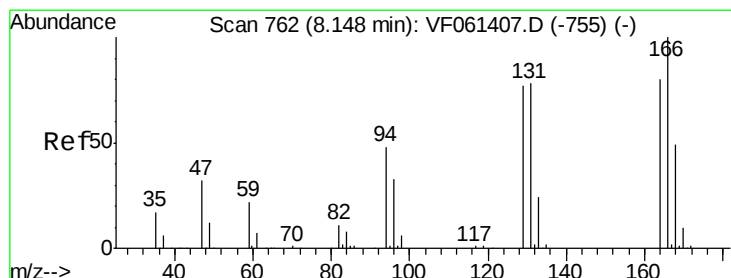
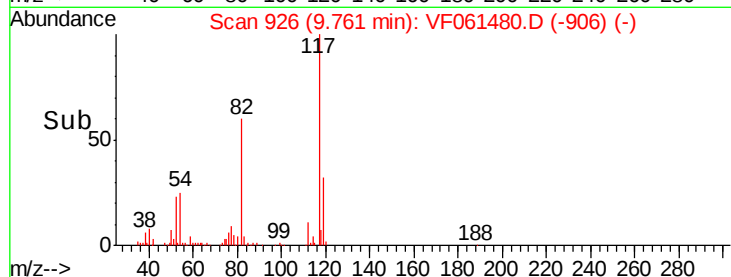
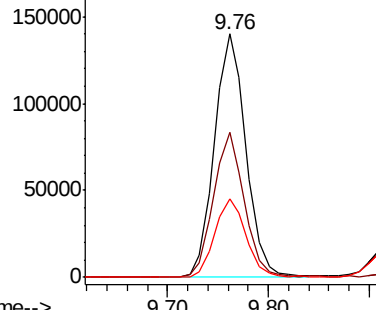
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

Tgt Ion:117 Resp: 305907
Ion Ratio Lower Upper
117 100
82 59.5 46.4 69.6
119 32.1 27.2 40.8

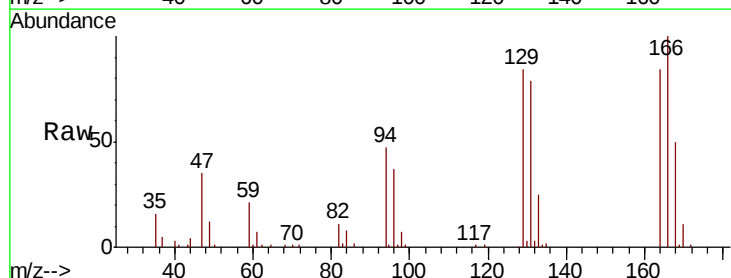


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

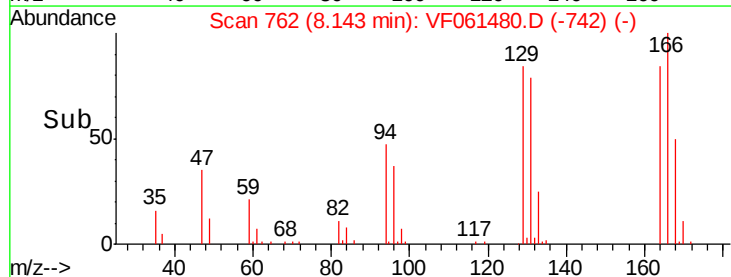
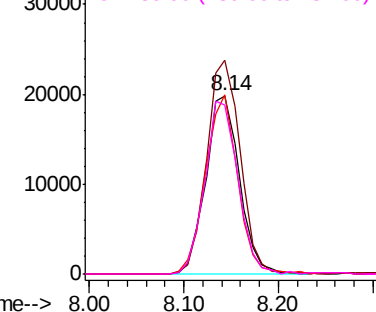


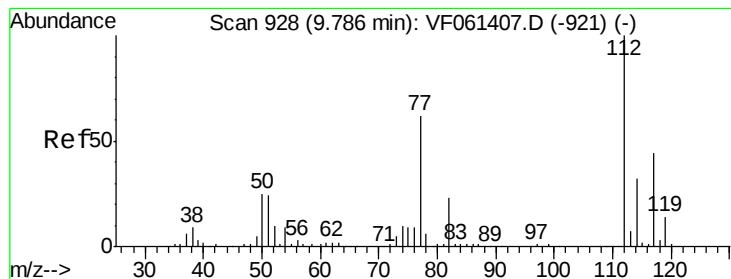
#64
Tetrachloroethene
Concen: 21.411 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Tgt Ion:164 Resp: 49256
Ion Ratio Lower Upper
164 100
166 119.7 99.6 149.4
129 100.4 76.4 114.6
131 94.7 77.9 116.9



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





#65

Chlorobenzene

Concen: 21.402 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

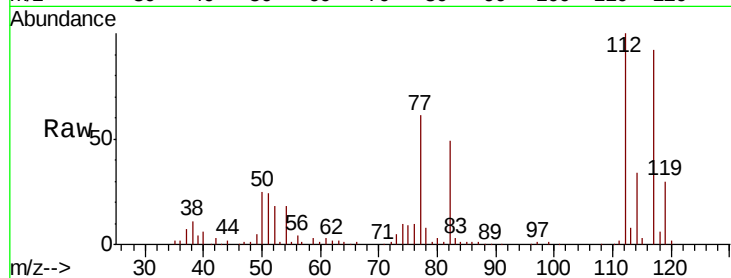
VF0123SBS01

Tgt Ion:112 Resp: 133137

Ion Ratio Lower Upper

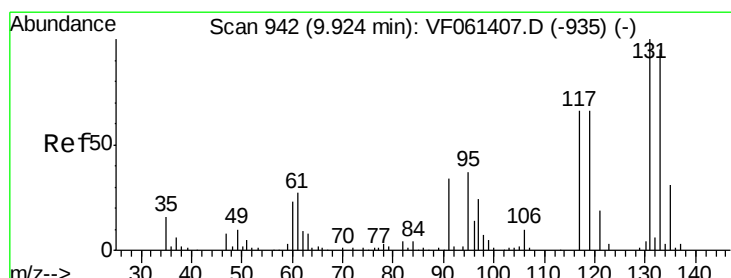
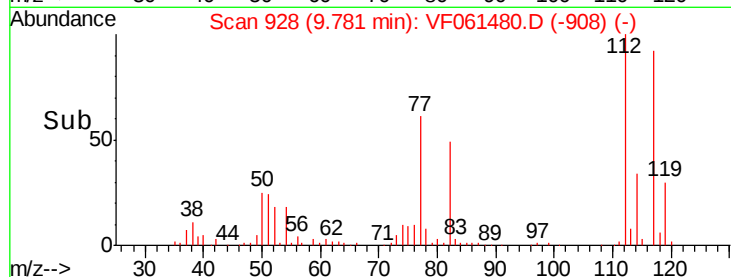
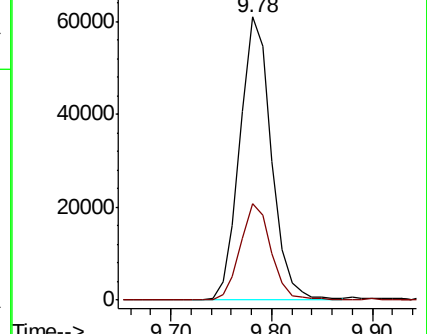
112 100

114 34.1 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.264 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

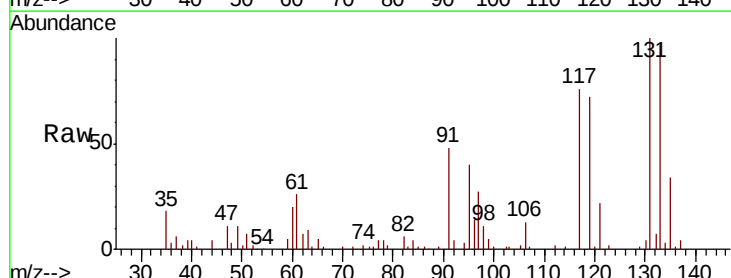
Tgt Ion:131 Resp: 52695

Ion Ratio Lower Upper

131 100

133 96.6 47.4 142.2

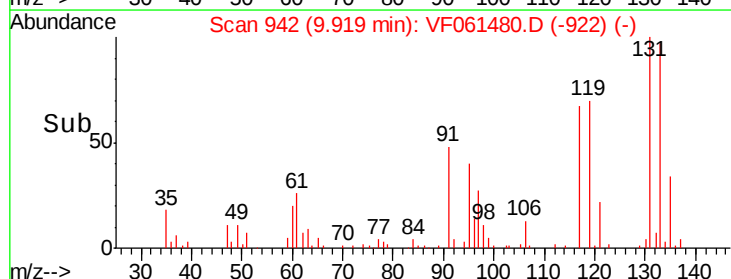
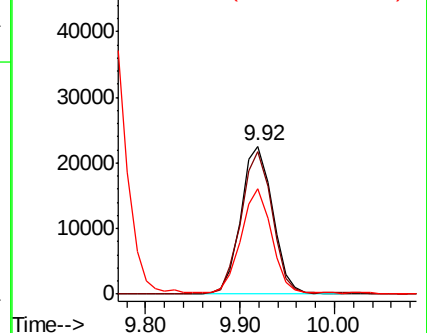
119 71.5 33.1 99.3

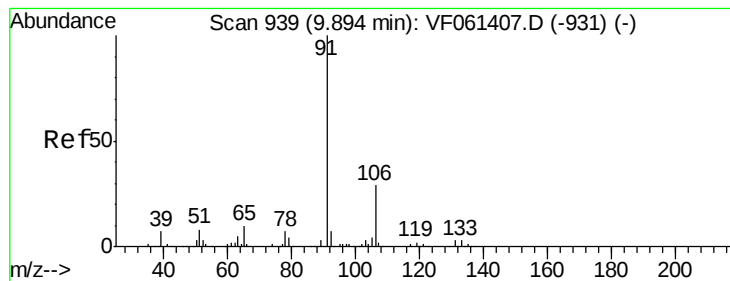


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.512 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

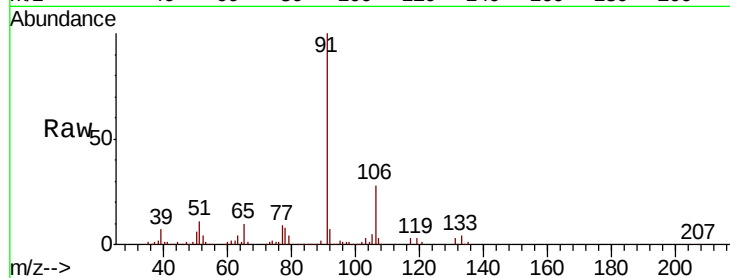
VF0123SBS01

Tgt Ion: 91 Resp: 244496

Ion Ratio Lower Upper

91 100

106 28.2 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

200000

150000

100000

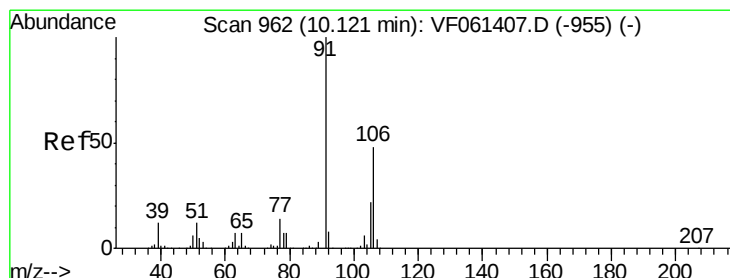
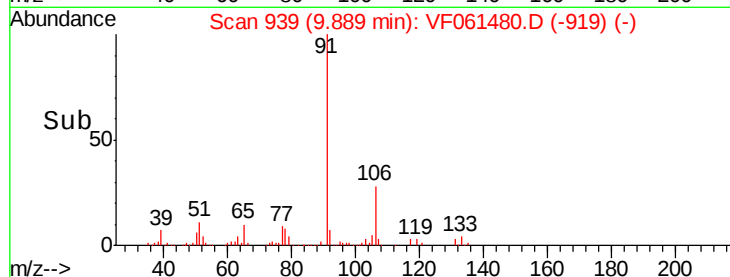
50000

0

9.80

10.00

Time-->



#68

m/p-Xylenes

Concen: 45.095 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.00 min

Lab File: VF061480.D

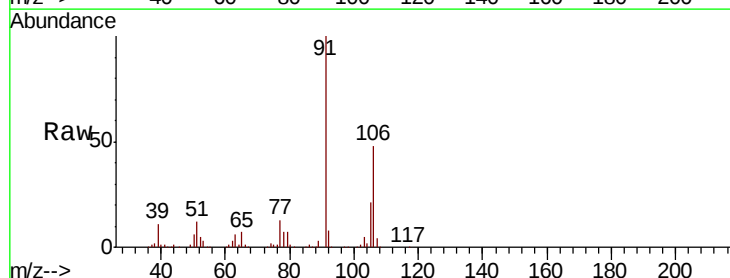
Acq: 23 Jan 2019 12:53

Tgt Ion: 106 Resp: 184343

Ion Ratio Lower Upper

106 100

91 208.2 166.2 249.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

100000

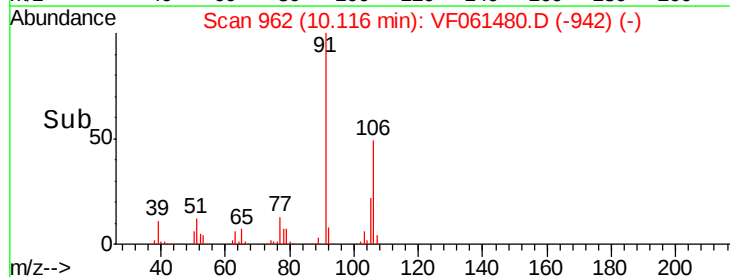
50000

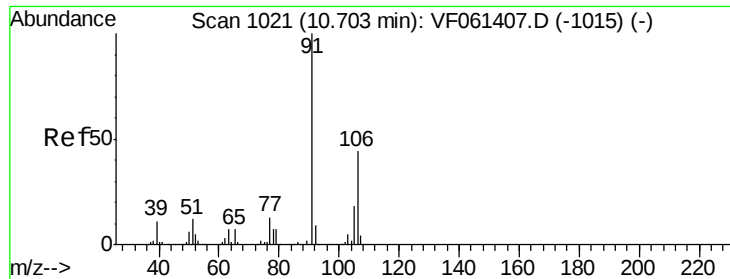
0

10.00

10.20

Time-->

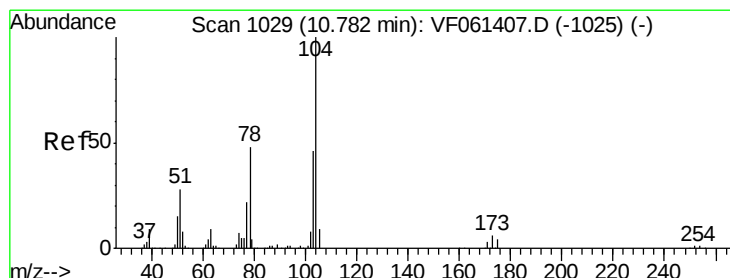
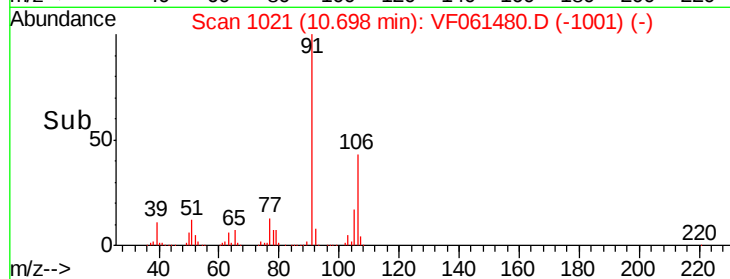
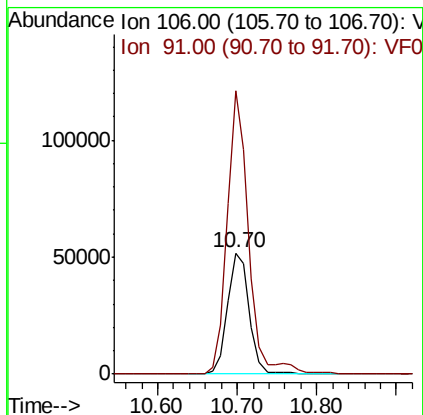
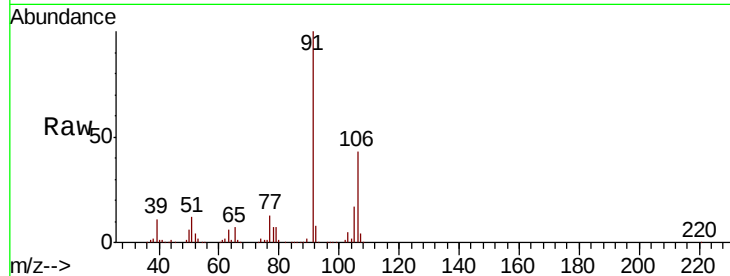




#69
o-Xylene
Concen: 22.624 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

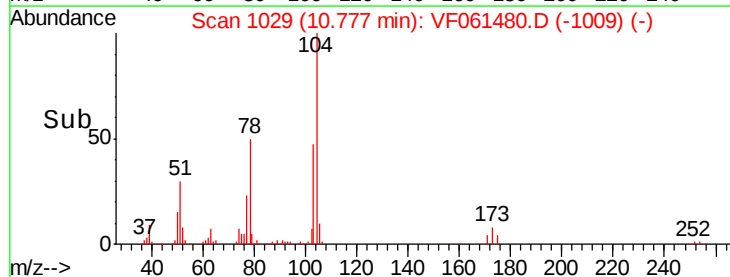
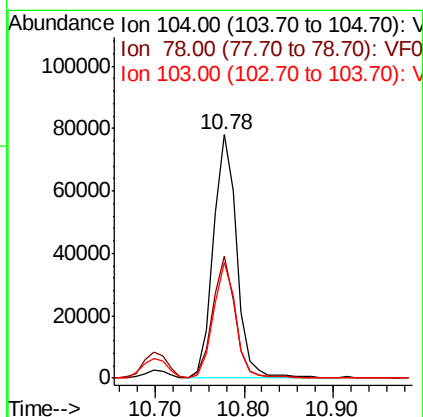
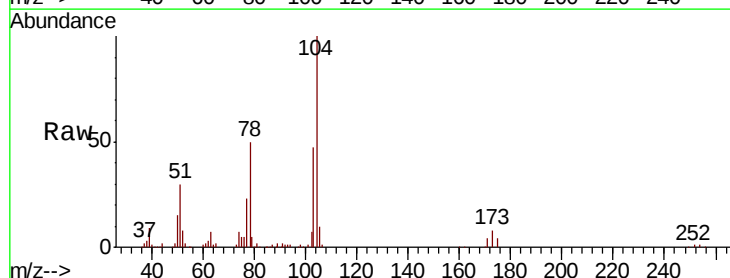
Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

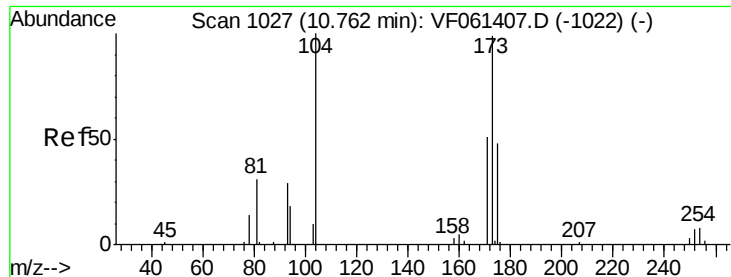
Tgt Ion:106 Resp: 100237
Ion Ratio Lower Upper
106 100
91 233.3 113.3 339.8



#70
Styrene
Concen: 23.531 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Tgt Ion:104 Resp: 142705
Ion Ratio Lower Upper
104 100
78 49.9 38.8 58.2
103 47.4 37.0 55.6





#71

Bromoform

Concen: 22.253 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

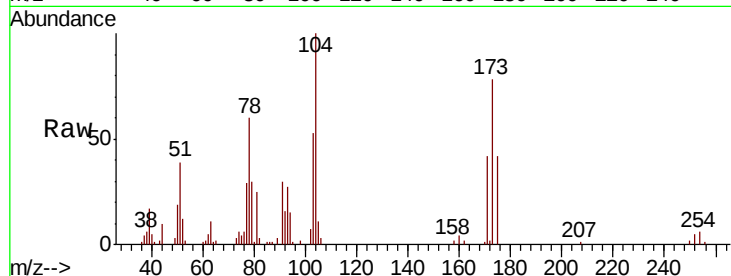
Tgt Ion:173 Resp: 24778

Ion Ratio Lower Upper

173 100

175 53.5 24.1 72.4

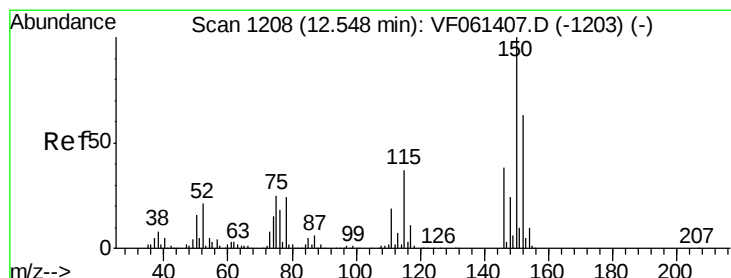
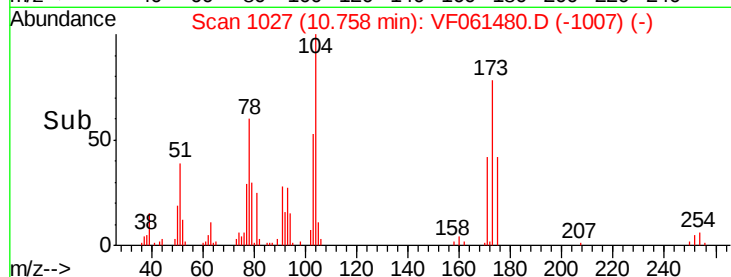
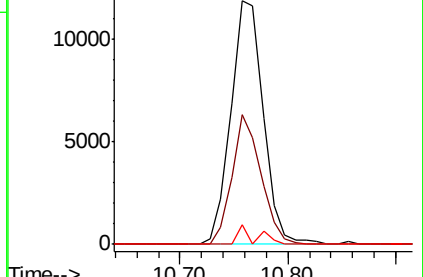
254 8.1 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

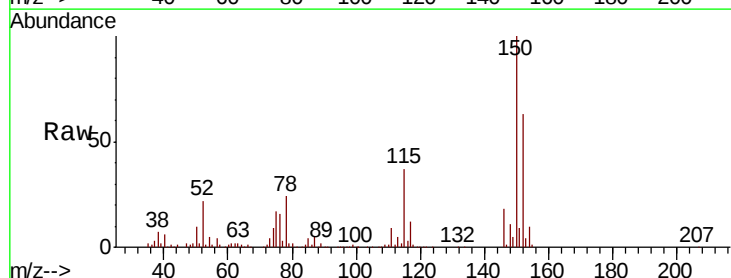
Tgt Ion:152 Resp: 153077

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

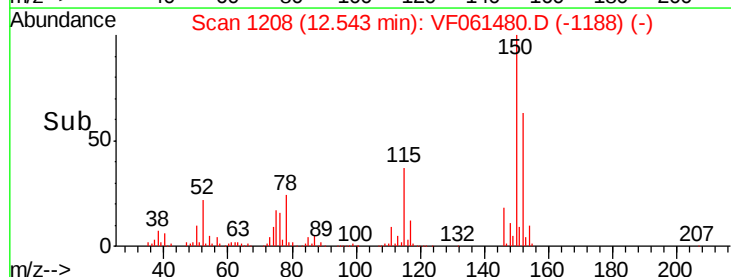
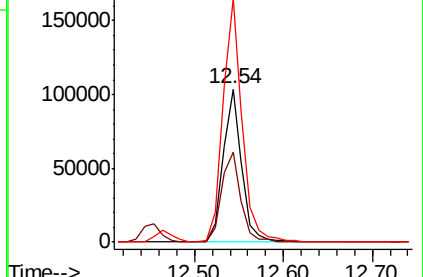
150 159.1 0.0 321.4

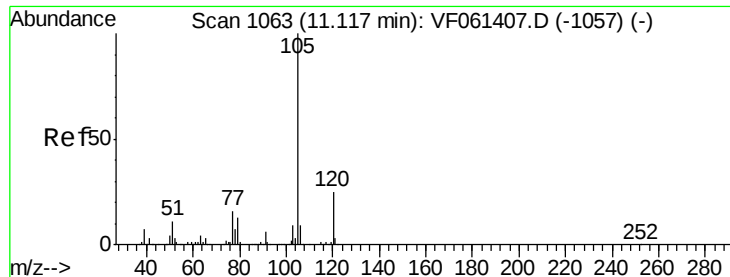


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.421 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

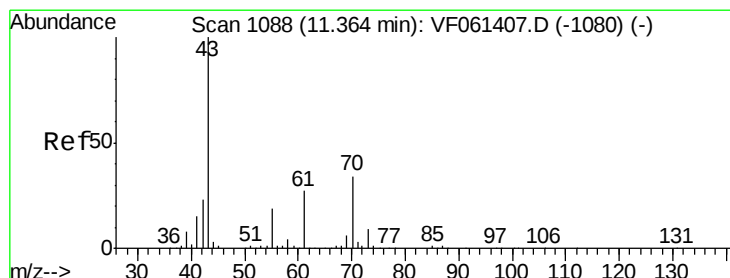
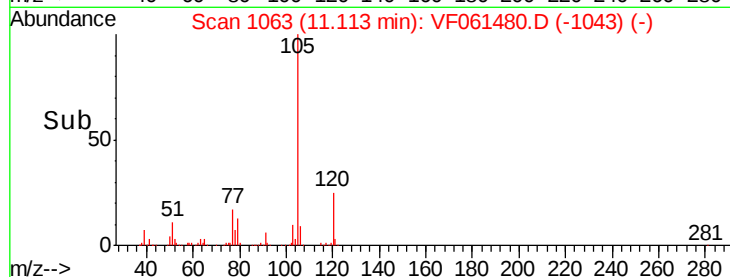
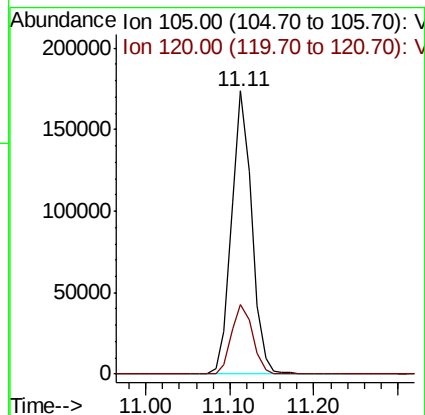
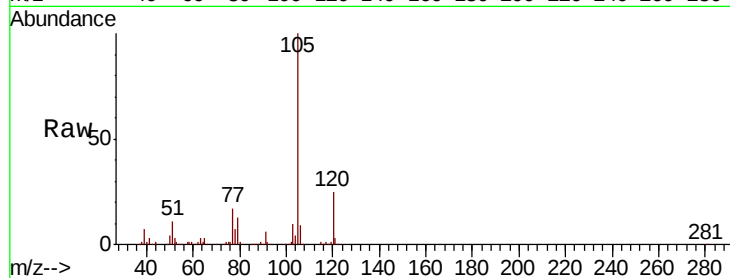
VF0123SBS01

Tgt Ion: 105 Resp: 291587

Ion Ratio Lower Upper

105 100

120 24.6 12.6 37.8



#74

N-ethyl acetate

Concen: 24.288 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Tgt Ion: 43 Resp: 71503

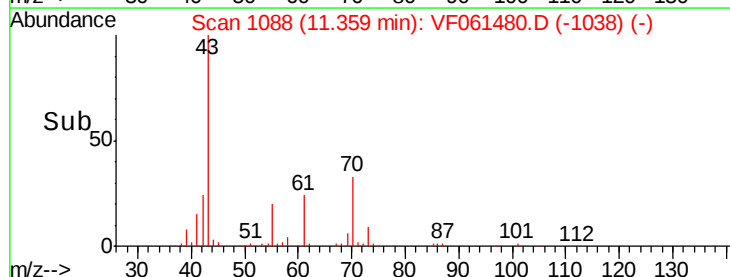
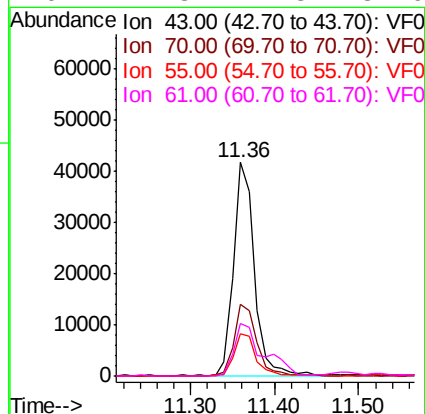
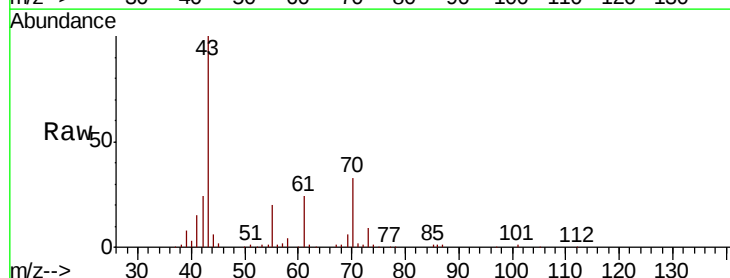
Ion Ratio Lower Upper

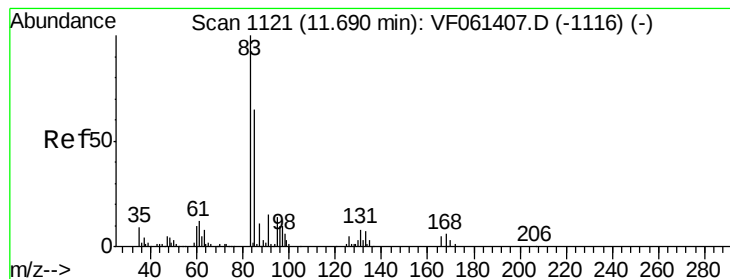
43 100

70 33.4 27.6 41.4

55 20.0 15.4 23.2

61 24.3 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.537 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

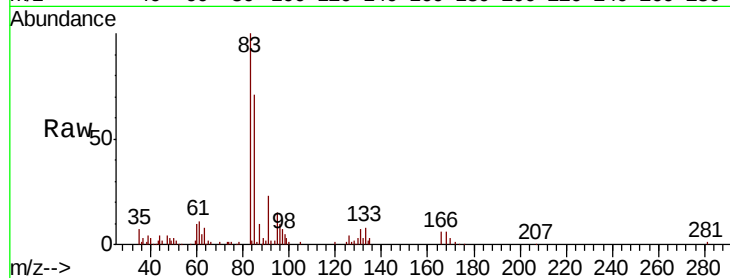
Tgt Ion: 83 Resp: 49986

Ion Ratio Lower Upper

83 100

131 6.9 4.0 12.2

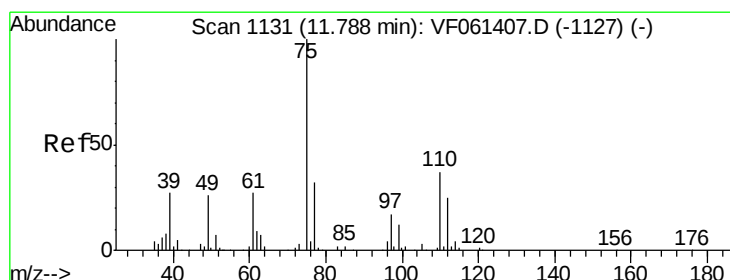
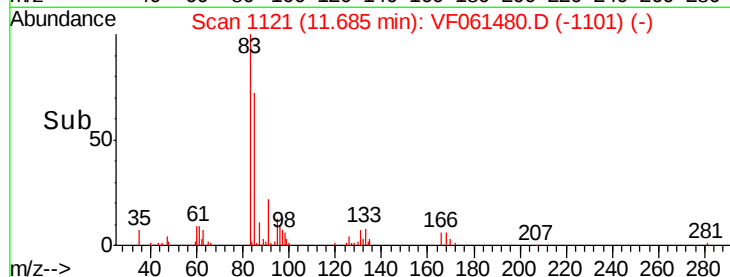
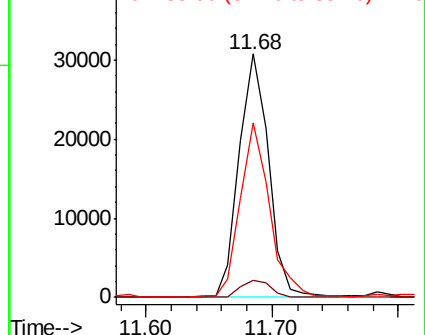
85 71.5 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 22.182 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF061480.D

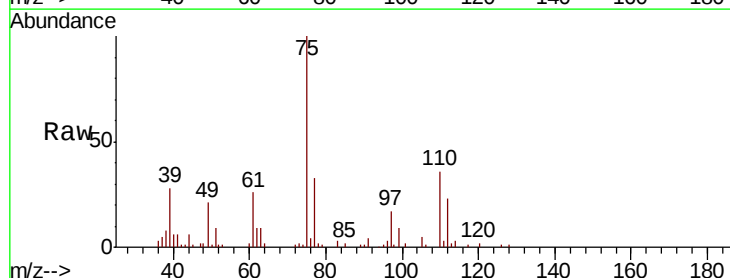
Acq: 23 Jan 2019 12:53

Tgt Ion: 75 Resp: 35352

Ion Ratio Lower Upper

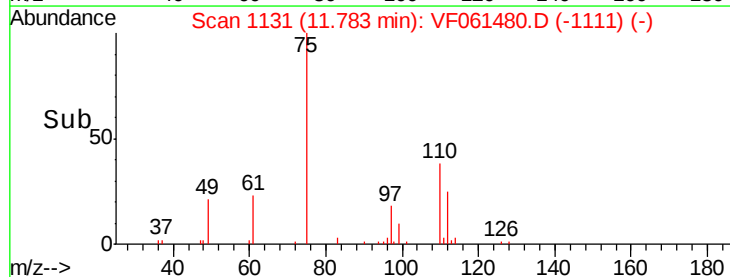
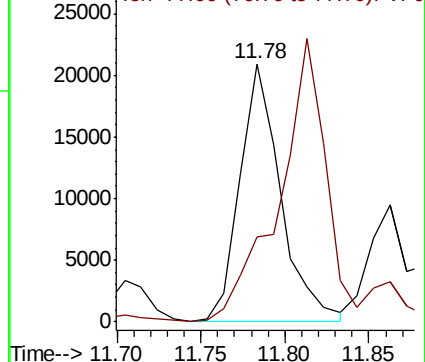
75 100

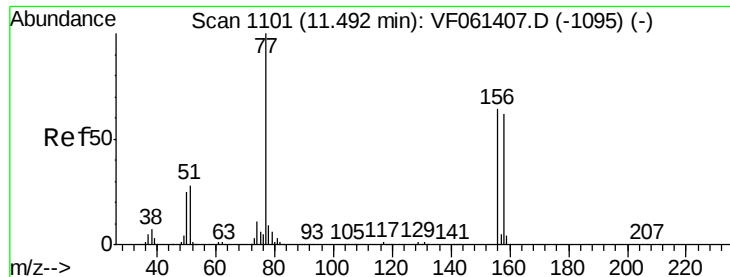
77 32.7 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.514 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

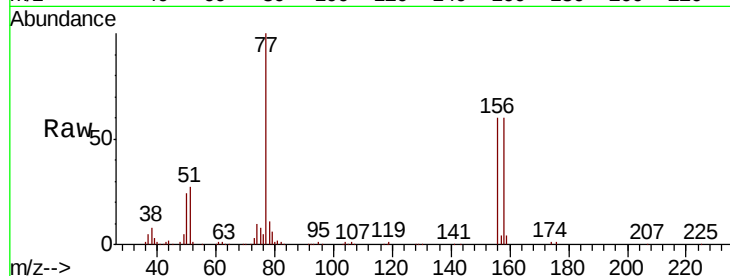
Tgt Ion:156 Resp: 59197

Ion Ratio Lower Upper

156 100

77 166.8 78.3 234.9

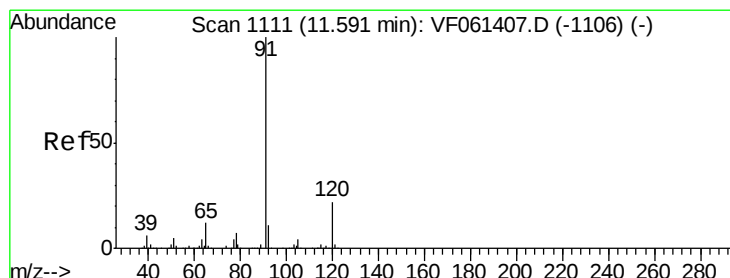
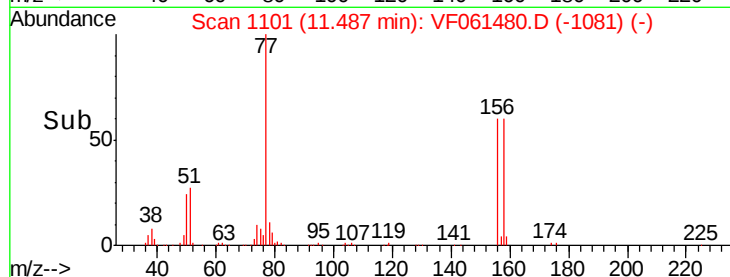
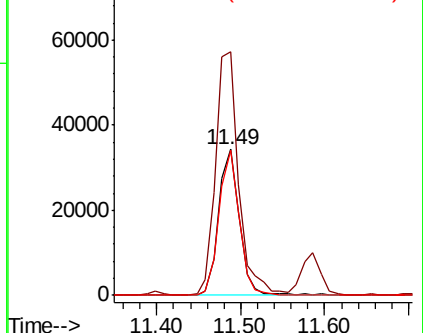
158 99.4 48.9 146.7



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: 22.450 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061480.D

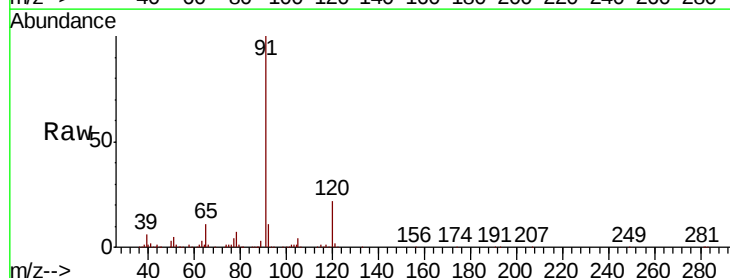
Acq: 23 Jan 2019 12:53

Tgt Ion: 91 Resp: 362532

Ion Ratio Lower Upper

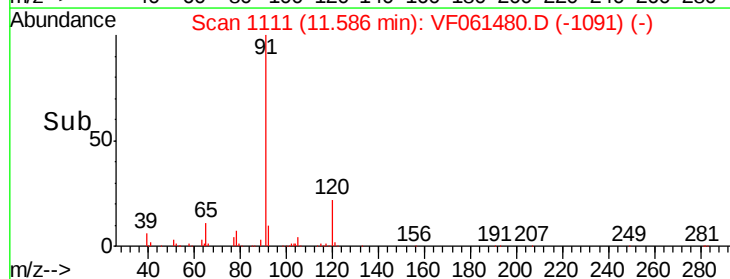
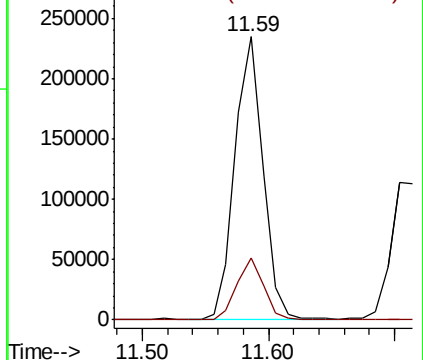
91 100

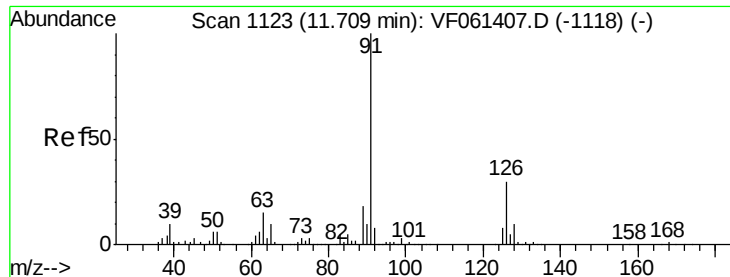
120 21.8 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

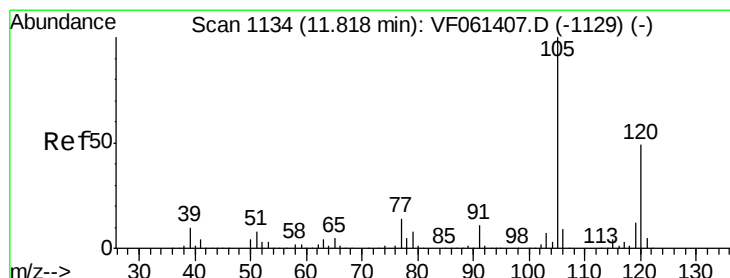
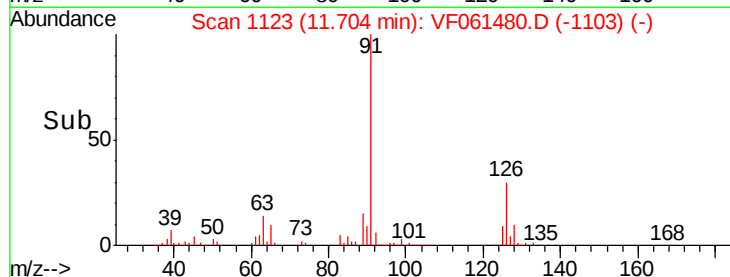
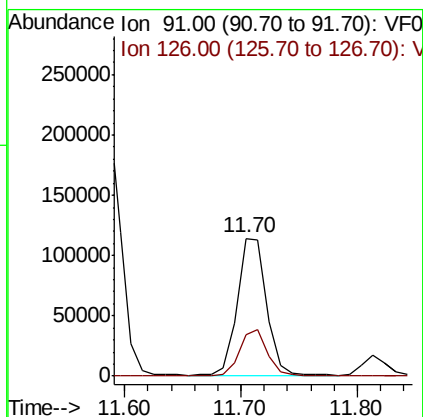
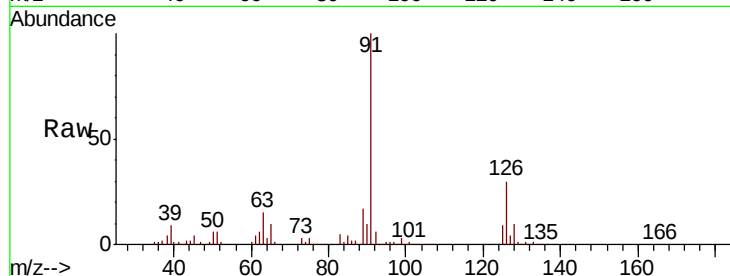




#79
2-Chlorotoluene
Concen: 22.831 ug/l
RT: 11.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

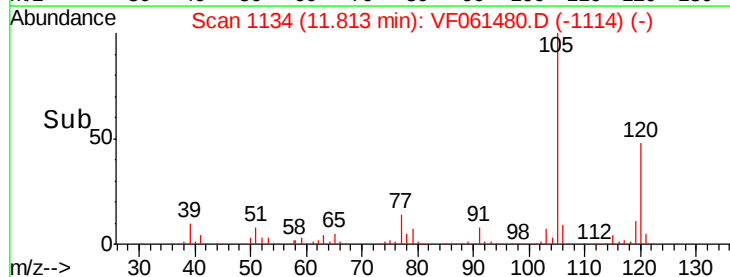
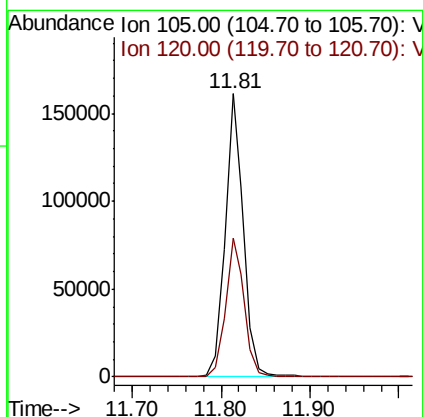
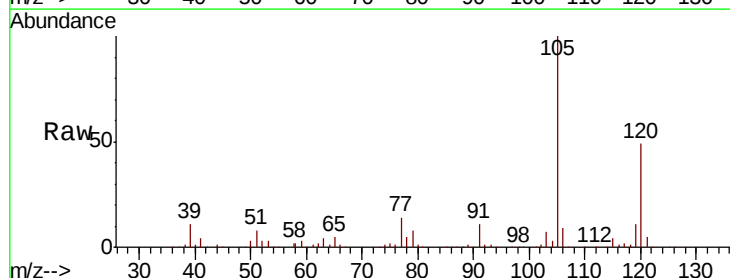
Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

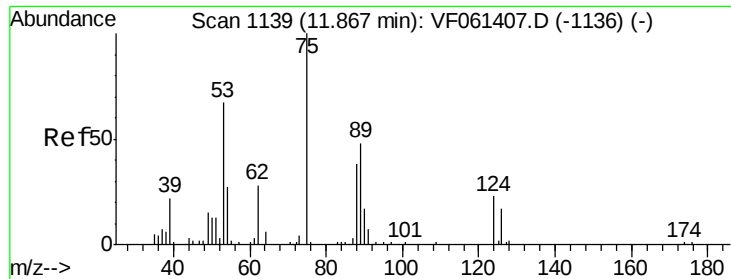
Tgt Ion: 91 Resp: 197218
Ion Ratio Lower Upper
91 100
126 30.1 15.0 45.1



#80
1,3,5-Trimethylbenzene
Concen: 23.207 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Tgt Ion: 105 Resp: 233168
Ion Ratio Lower Upper
105 100
120 49.1 24.7 74.1

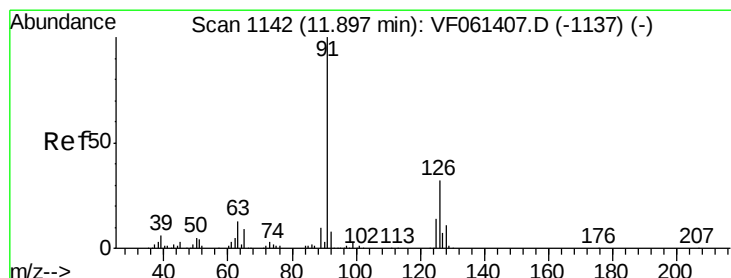
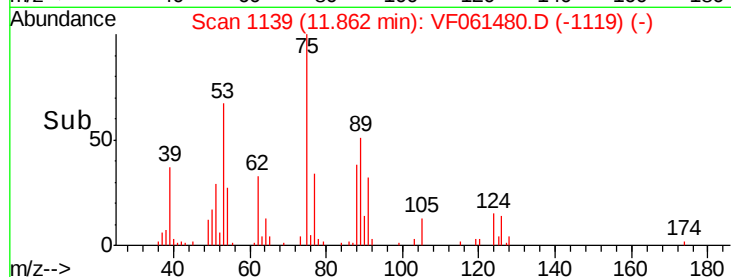
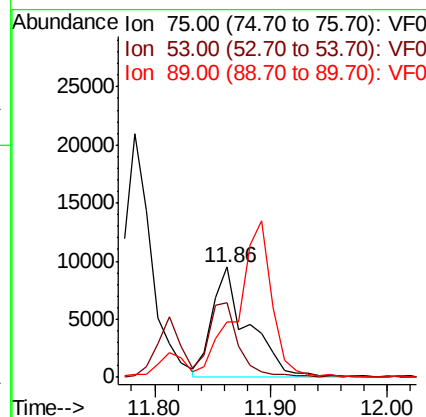
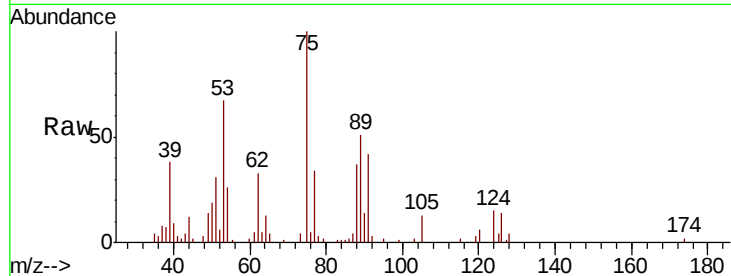




#81
trans-1,4-Dichloro-2-butene
Concen: 29.455 ug/l
RT: 11.86 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

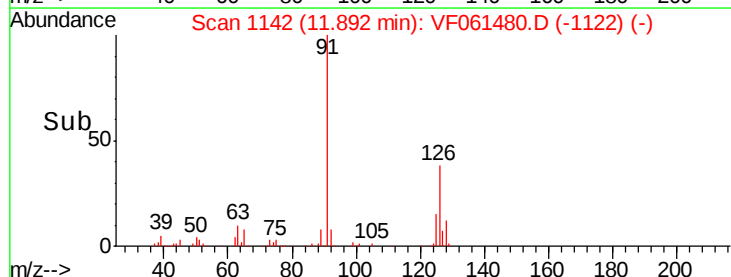
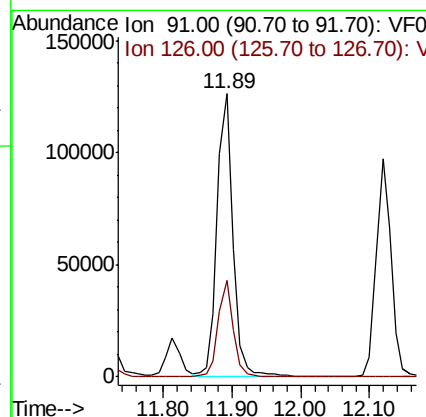
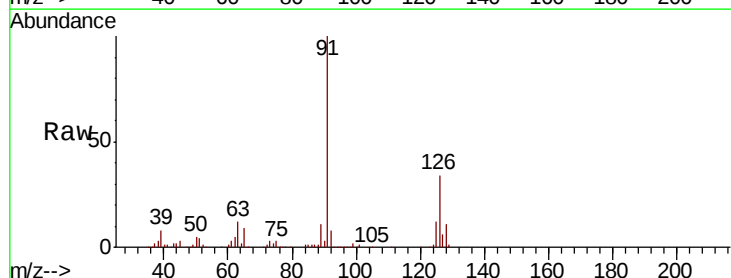
Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

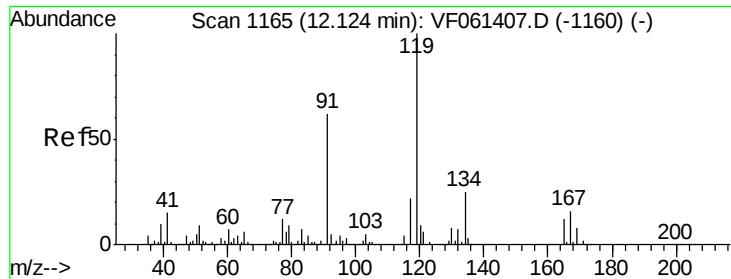
Tgt Ion: 75 Resp: 20406
Ion Ratio Lower Upper
75 100
53 67.3 57.8 86.6
89 50.5 40.7 61.1



#82
4-Chlorotoluene
Concen: 23.212 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Tgt Ion: 91 Resp: 202339
Ion Ratio Lower Upper
91 100
126 34.2 16.0 47.9

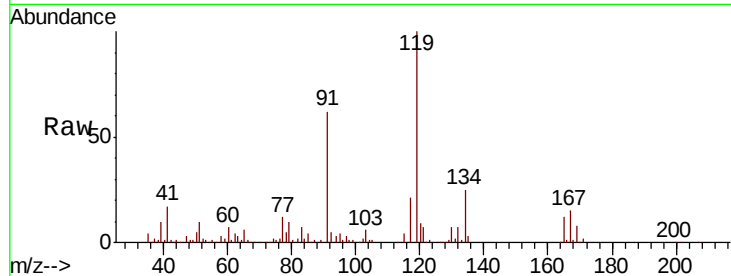




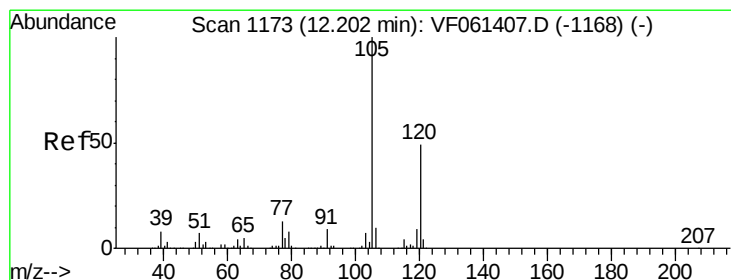
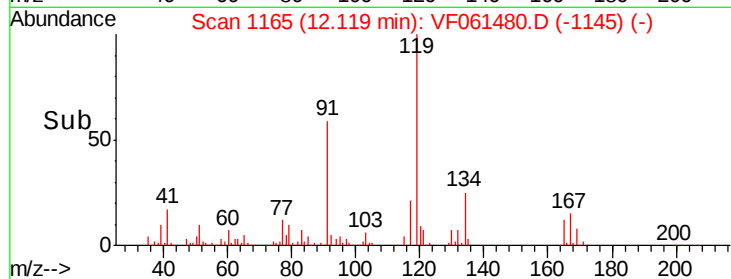
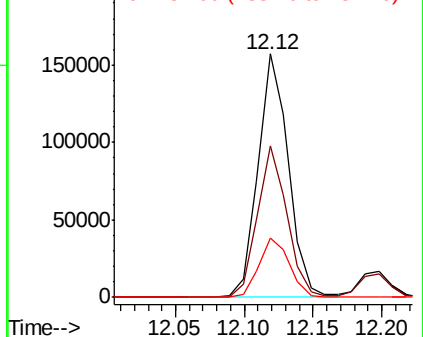
#83
 tert-Butylbenzene
 Concen: 23.194 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

Tgt Ion:119 Resp: 241196
 Ion Ratio Lower Upper
 119 100
 91 62.0 31.3 93.8
 134 24.6 12.4 37.0

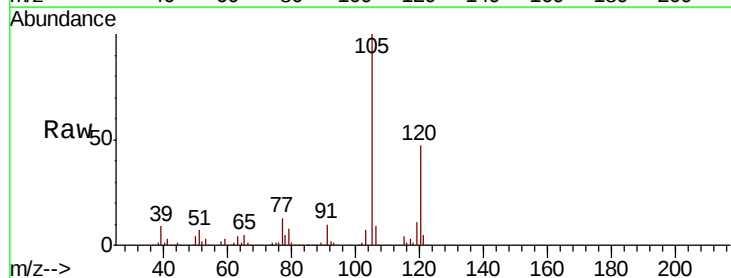


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

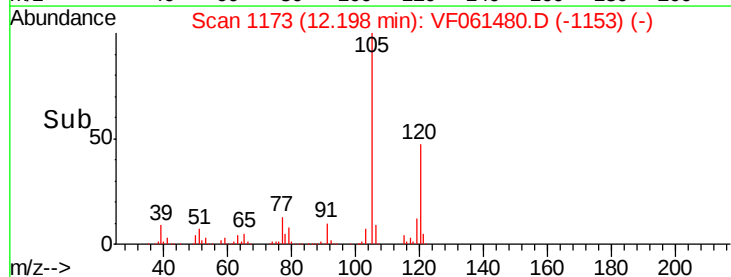
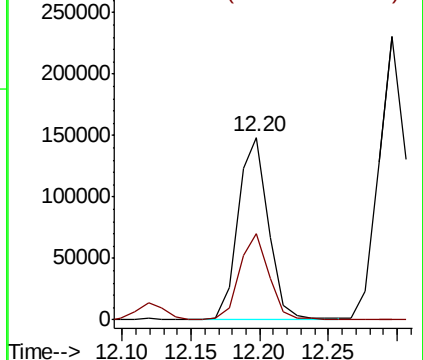


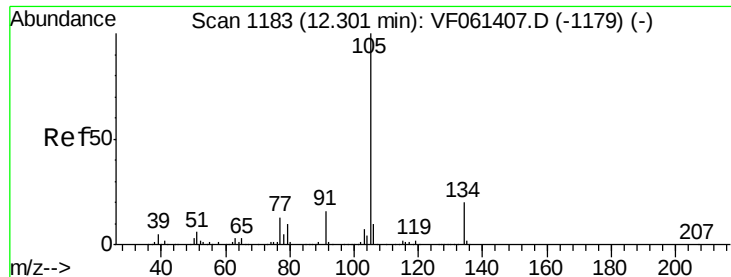
#84
 1,2,4-Trimethylbenzene
 Concen: 21.990 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

Tgt Ion:105 Resp: 227582
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.9 74.6



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

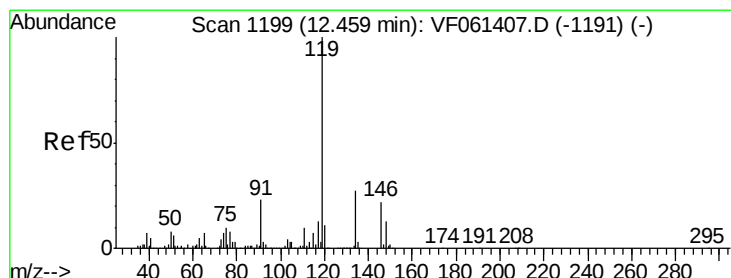
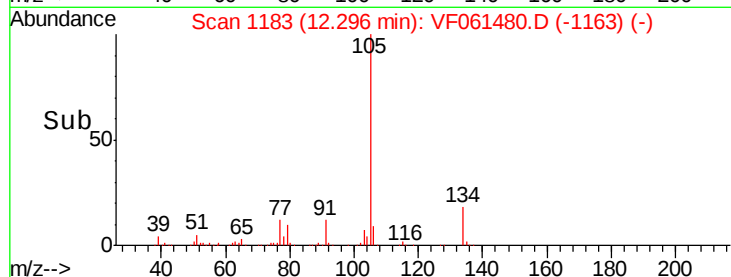
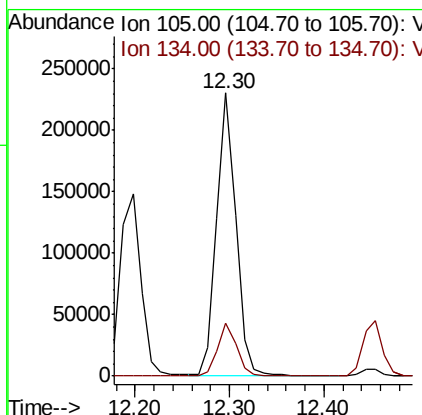
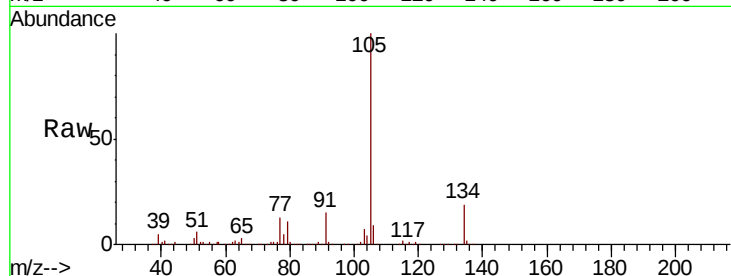




#85
 sec-Butylbenzene
 Concen: 23.117 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

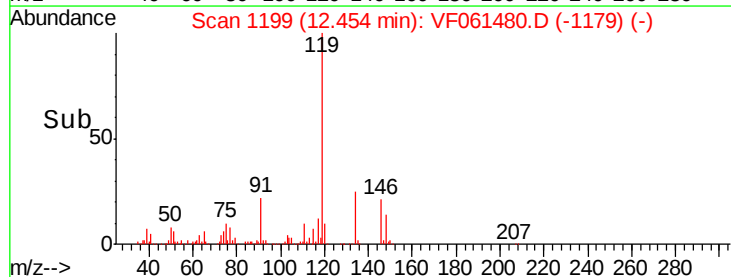
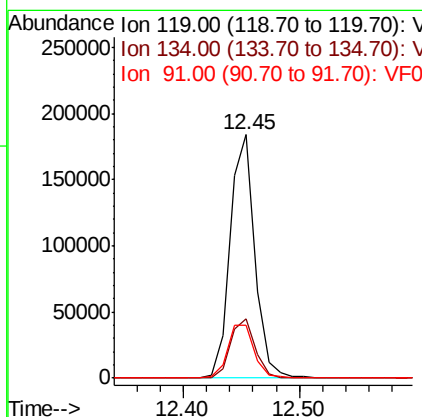
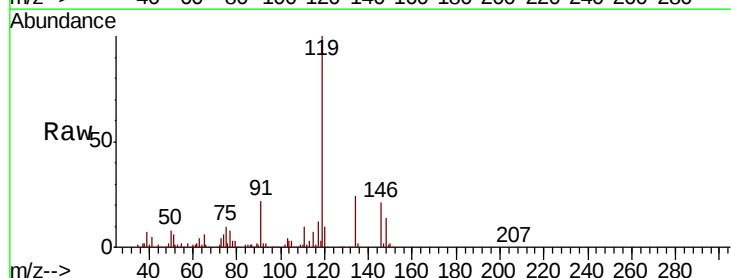
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

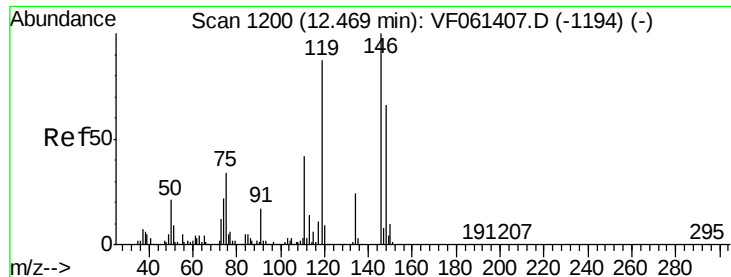
Tgt Ion:105 Resp: 326473
 Ion Ratio Lower Upper
 105 100
 134 18.6 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 23.301 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

Tgt Ion:119 Resp: 270133
 Ion Ratio Lower Upper
 119 100
 134 24.5 13.4 40.2
 91 21.8 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.293 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

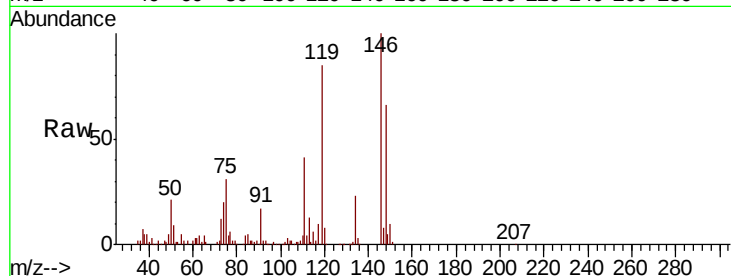
Tgt Ion:146 Resp: 112074

Ion Ratio Lower Upper

146 100

111 41.4 21.1 63.4

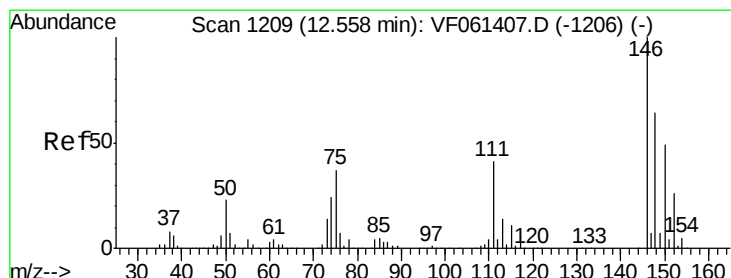
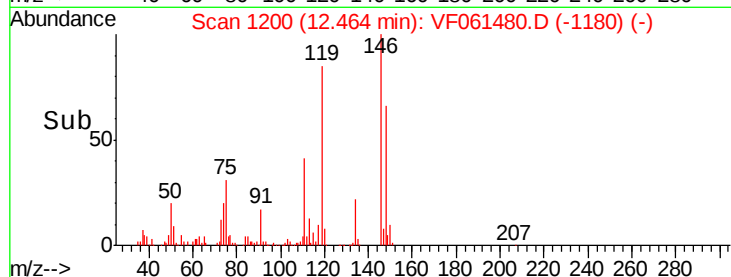
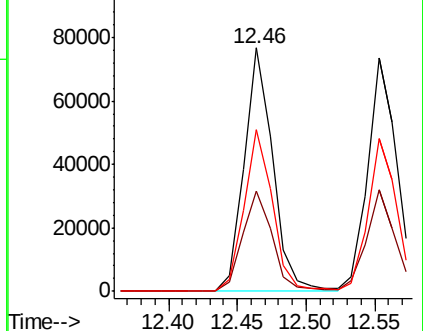
148 66.4 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 22.420 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

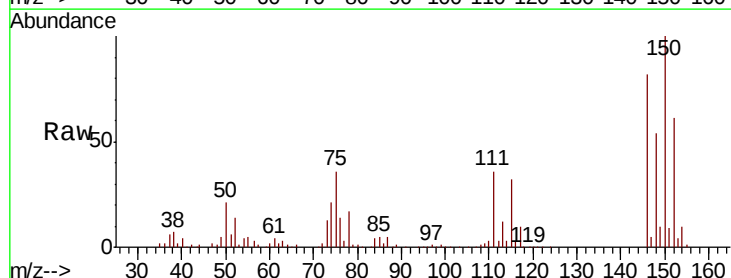
Tgt Ion:146 Resp: 111395

Ion Ratio Lower Upper

146 100

111 43.5 20.8 62.2

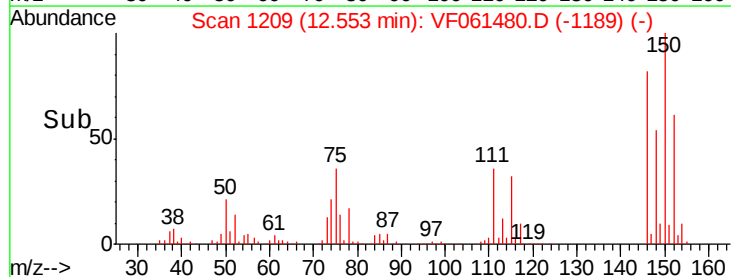
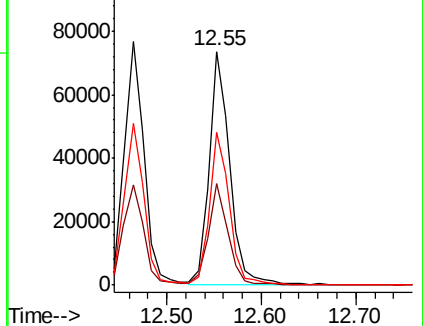
148 65.5 32.1 96.5

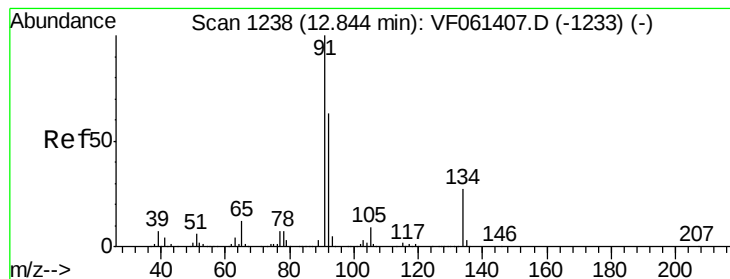


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 24.261 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VF061480.D

Acq: 23 Jan 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

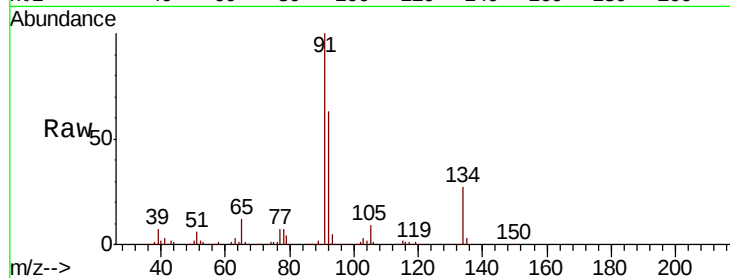
Tgt Ion: 91 Resp: 290062

Ion Ratio Lower Upper

91 100

92 63.1 31.6 94.7

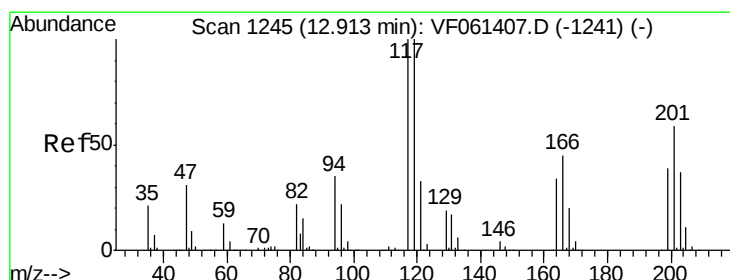
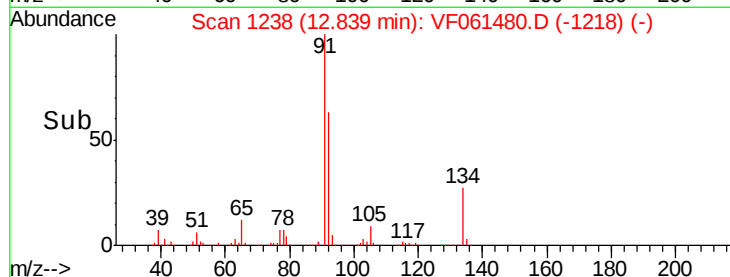
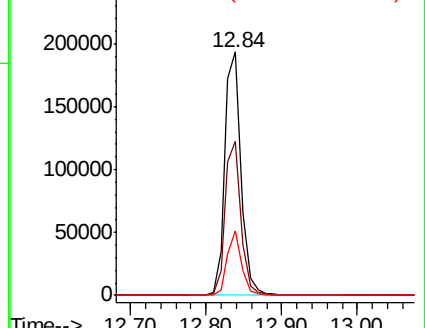
134 26.5 13.6 40.8



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: 24.413 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VF061480.D

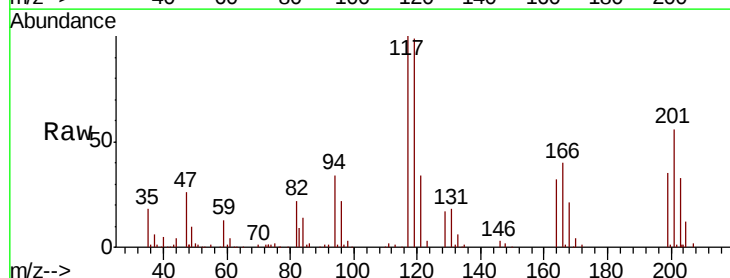
Acq: 23 Jan 2019 12:53

Tgt Ion: 117 Resp: 66714

Ion Ratio Lower Upper

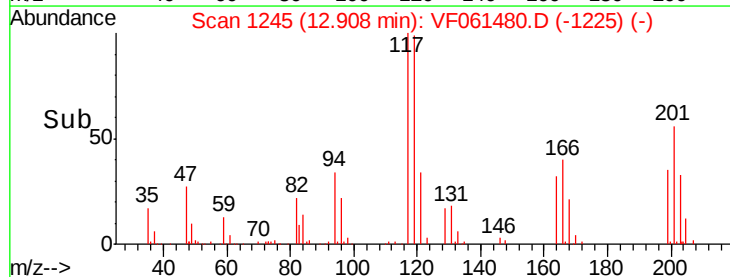
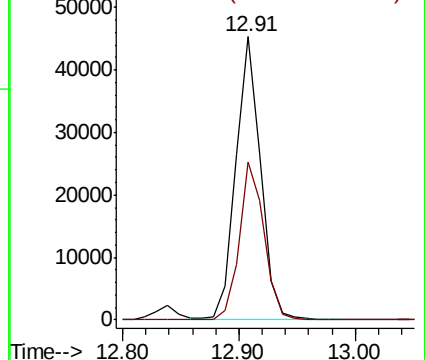
117 100

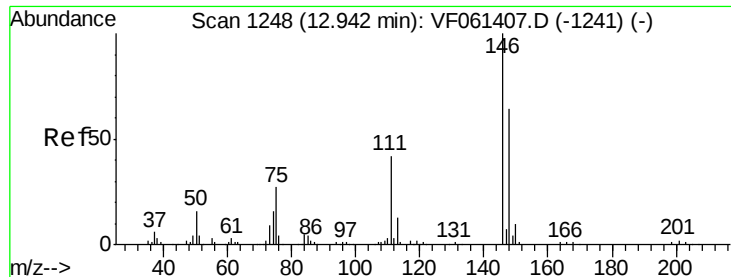
201 57.1 29.3 87.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

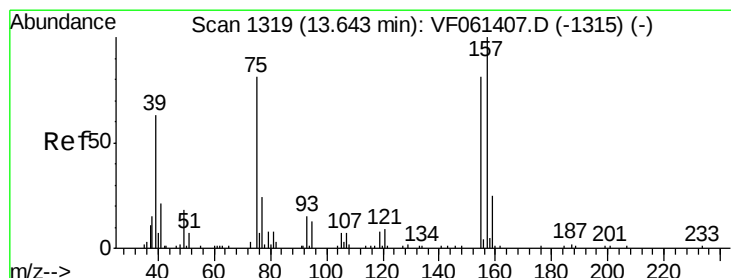
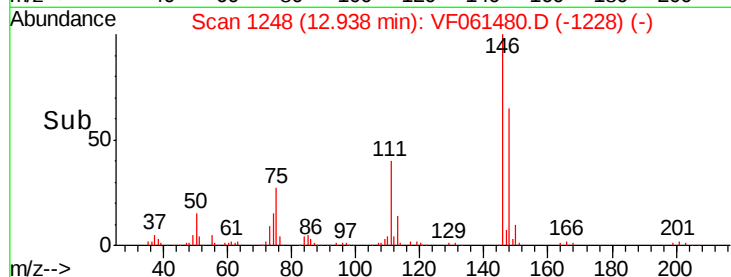
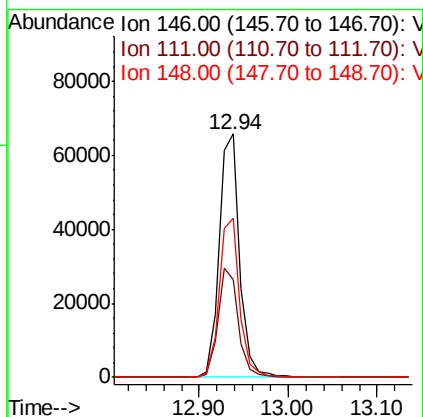
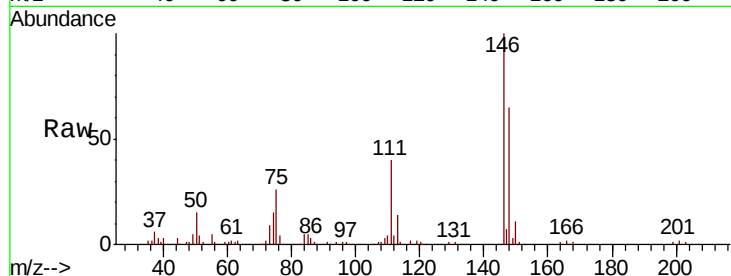




#91
 1,2-Dichlorobenzene
 Concen: 21.690 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

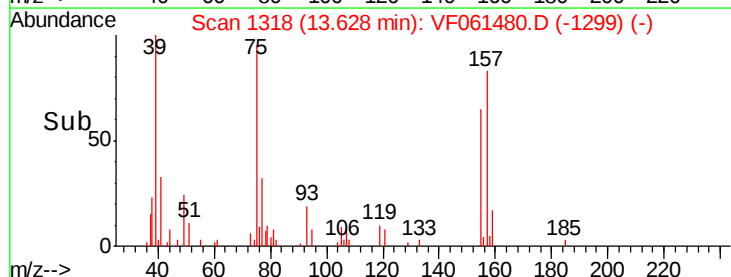
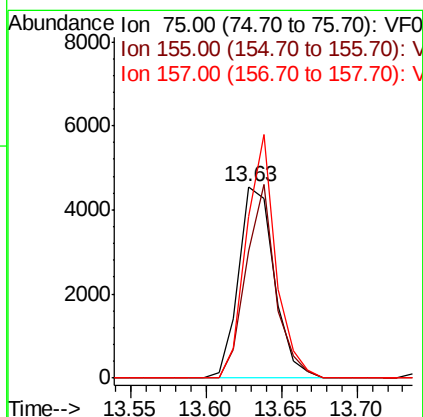
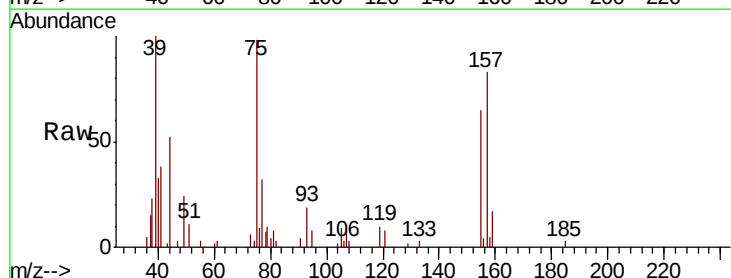
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

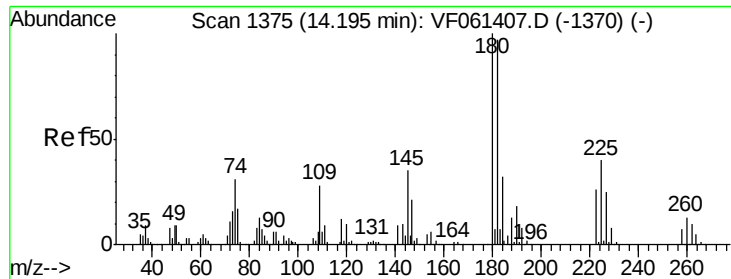
Tgt Ion: 146 Resp: 106687
 Ion Ratio Lower Upper
 146 100
 111 39.9 21.1 63.3
 148 65.3 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.047 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

Tgt Ion: 75 Resp: 7493
 Ion Ratio Lower Upper
 75 100
 155 66.4 49.7 149.1
 157 84.8 61.4 184.1

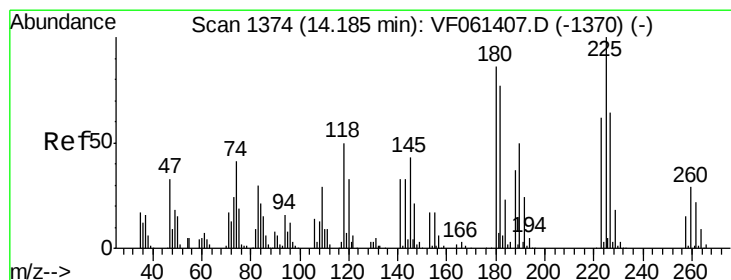
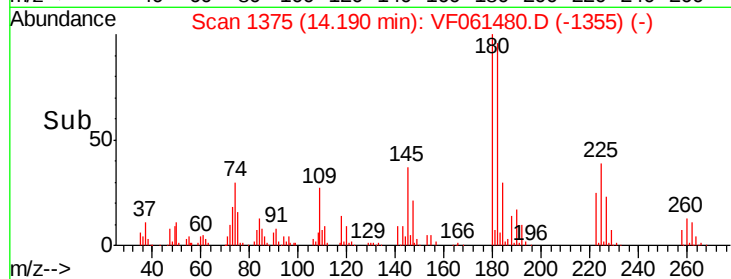
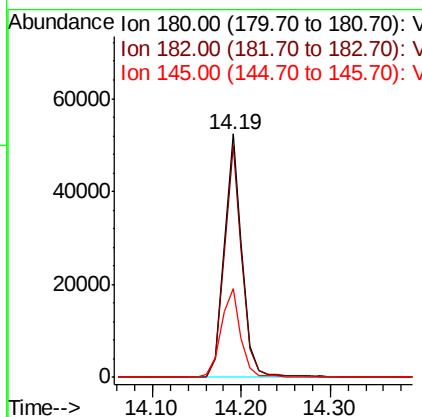
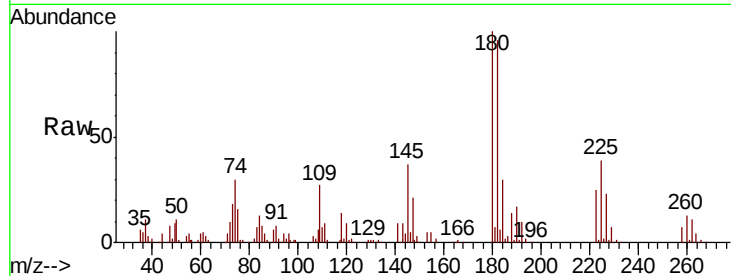




#93
 1,2,4-Trichlorobenzene
 Concen: 21.475 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

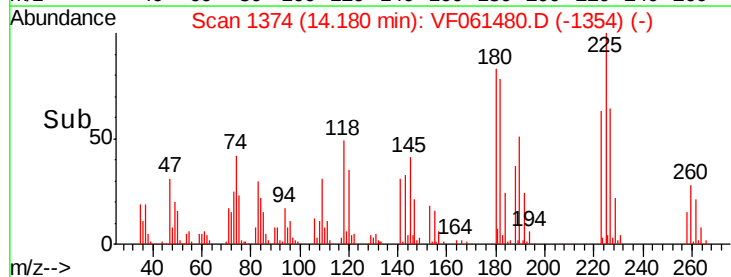
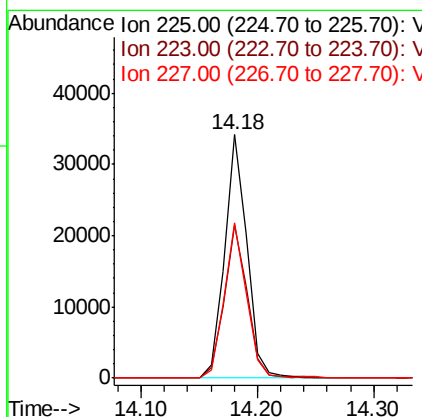
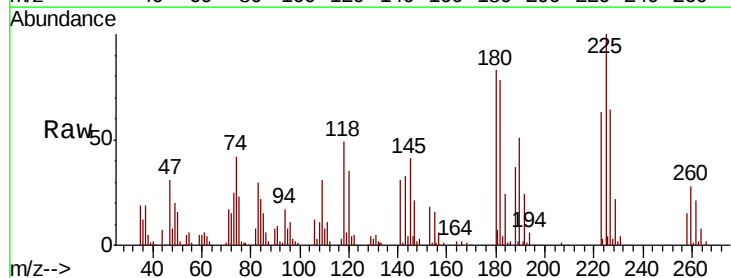
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

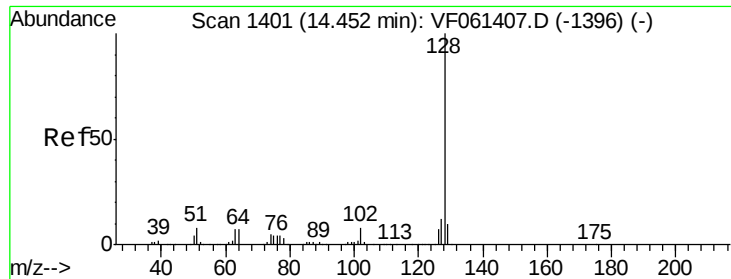
Tgt Ion:180 Resp: 73995
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.5 145.6
 145 36.5 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 21.257 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061480.D
 Acq: 23 Jan 2019 12:53

Tgt Ion:225 Resp: 45450
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.2
 227 63.7 32.2 96.6

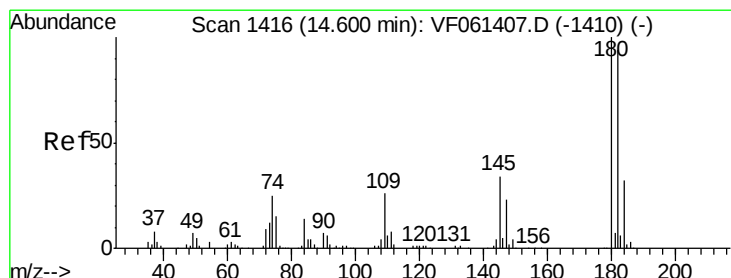
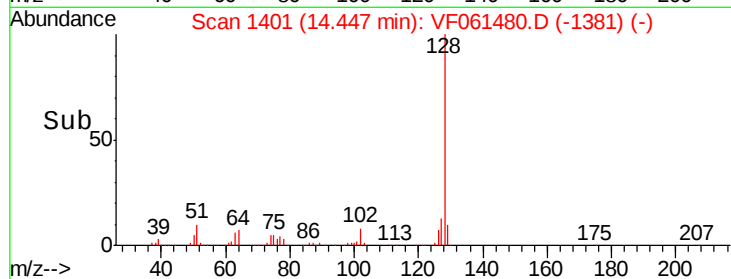
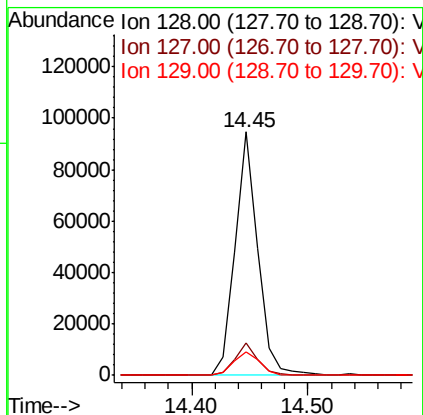
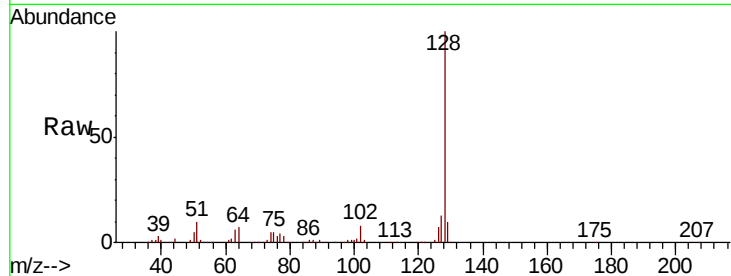




#95
Naphthalene
Concen: 19.637 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

Tgt Ion:128 Resp: 128555
Ion Ratio Lower Upper
128 100
127 13.2 9.5 14.3
129 9.8 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 20.462 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061480.D
Acq: 23 Jan 2019 12:53

Tgt Ion:180 Resp: 65265
Ion Ratio Lower Upper
180 100
182 95.2 47.0 141.2
145 31.6 17.1 51.2

