

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF012319\
 Data File : VF061481.D
 Acq On : 23 Jan 2019 13:22
 Operator : VA/AP
 Sample : VF0123SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

Quant Time: Jan 24 02:54:20 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	184620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	336376	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	295842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	147235	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	112576	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	4.10	113	130602	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	7.54	98	355860	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	11.40	95	150665	44.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	69639	19.197	ug/l	91
3) Chloromethane	1.09	50	57058	21.452	ug/l	97
4) Vinyl Chloride	1.14	62	51859	21.918	ug/l	99
5) Bromomethane	1.31	94	34962	22.660	ug/l	95
6) Chloroethane	1.40	64	22869	21.813	ug/l	98
7) Trichlorofluoromethane	1.49	101	88697	19.283	ug/l	95
8) Diethyl Ether	1.62	74	13253	22.486	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.84	101	49285	22.299	ug/l	93
10) Methyl Iodide	1.91	142	54965	16.042	ug/l	96
11) Tert butyl alcohol	2.57	59	10322	106.984	ug/l	98
12) 1,1-Dichloroethene	1.80	96	36425	22.183	ug/l	83
13) Acrolein	1.99	56	6817	88.975	ug/l	92
14) Allyl chloride	2.09	41	55678	30.729	ug/l	95
15) Acrylonitrile	2.94	53	31854	128.892	ug/l	95
16) Acetone	2.24	43	56424	123.394	ug/l	94
17) Carbon Disulfide	1.82	76	83618	16.332	ug/l	96
18) Methyl Acetate	2.33	43	18746	20.672	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	76504	20.784	ug/l	98
20) Methylene Chloride	2.25	84	18605	10.601	ug/l	95
21) trans-1,2-Dichloroethene	2.30	96	40936	22.659	ug/l	96
22) Diisopropyl ether	2.80	45	135929	23.262	ug/l	93
23) Vinyl Acetate	3.18	43	323073	127.288	ug/l	99
24) 1,1-Dichloroethane	2.87	63	84965	23.167	ug/l	99
25) 2-Butanone	4.32	43	97240	127.877	ug/l	95
26) 2,2-Dichloropropane	3.59	77	47660	21.152	ug/l	98
27) cis-1,2-Dichloroethene	3.46	96	58453	21.919	ug/l	97
28) Bromochloromethane	3.71	49	35915	21.786	ug/l #	92
29) Tetrahydrofuran	4.07	42	36291	110.836	ug/l	97
30) Chloroform	3.85	83	108622	21.946	ug/l	99
31) Cyclohexane	3.68	56	56436	15.405	ug/l	92
32) 1,1,1-Trichloroethane	4.08	97	68468	18.866	ug/l	96
36) 1,1-Dichloropropene	4.27	75	83443	21.395	ug/l	96
37) Ethyl Acetate	4.11	43	35229	22.597	ug/l #	63
38) Carbon Tetrachloride	3.98	117	63664	18.672	ug/l	96

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Instrument :
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 ClientSampleId :
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Quant Time: Jan 24 02:54:20 2019
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	89046	21.068	ug/l	95
40) Benzene	4.62	78	186308	21.468	ug/l	100
41) Methacrylonitrile	4.74	41	17764	21.414	ug/l #	90
42) 1,2-Dichloroethane	4.93	62	57885	18.718	ug/l	94
43) Isopropyl Acetate	6.94	43	41347	21.131	ug/l #	96
44) Trichloroethene	5.49	130	58441	21.952	ug/l	95
45) 1,2-Dichloropropane	6.22	63	48592	21.334	ug/l	100
46) Dibromomethane	6.07	93	30583	20.193	ug/l	88
47) Bromodichloromethane	6.37	83	77222	20.608	ug/l	94
48) Methyl methacrylate	6.70	41	27530	20.953	ug/l	88
49) 1,4-Dioxane	6.70	88	4512	454.062	ug/l #	89
51) 4-Methyl-2-Pentanone	8.24	43	162360	112.871	ug/l	99
52) Toluene	7.61	92	115526	20.214	ug/l	95
53) t-1,3-Dichloropropene	8.26	75	61698	20.735	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	79466	21.366	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	34690	21.375	ug/l	97
56) Ethyl methacrylate	8.61	69	36149	19.145	ug/l	97
57) 1,3-Dichloropropane	8.84	76	60289	19.819	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	20431	119.349	ug/l	95
59) 2-Hexanone	9.48	43	125935	125.551	ug/l	95
60) Dibromochloromethane	8.71	129	47784	20.140	ug/l	99
61) 1,2-Dibromoethane	8.97	107	37962	20.433	ug/l	98
64) Tetrachloroethene	8.14	164	46647	20.967	ug/l	91
65) Chlorobenzene	9.78	112	129165	21.470	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.92	131	51929	21.668	ug/l	98
67) Ethyl Benzene	9.89	91	248884	22.643	ug/l	97
68) m/p-Xylenes	10.12	106	174033	44.021	ug/l	96
69) o-Xylene	10.70	106	92196	21.517	ug/l	98
70) Styrene	10.78	104	129958	22.158	ug/l	99
71) Bromoform	10.76	173	23308	21.645	ug/l	96
73) Isopropylbenzene	11.11	105	288154	24.063	ug/l	100
74) N-amyl acetate	11.36	43	72043	25.442	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.69	83	49874	23.379	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	35565	23.202	ug/l	99
77) Bromobenzene	11.49	156	55680	22.017	ug/l	100
78) n-propylbenzene	11.59	91	338176	21.743	ug/l	98
79) 2-Chlorotoluene	11.71	91	192069	23.117	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	223788	23.157	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	18914	28.384	ug/l	93
82) 4-Chlorotoluene	11.89	91	178602	21.302	ug/l	98
83) tert-Butylbenzene	12.12	119	244309	24.425	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	215337	21.632	ug/l	95
85) sec-Butylbenzene	12.30	105	330408	24.324	ug/l	96
86) p-Isopropyltoluene	12.45	119	258474	23.180	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	112573	21.217	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	104672	21.903	ug/l	99
89) n-Butylbenzene	12.84	91	285302	24.810	ug/l	98
90) Hexachloroethane	12.91	117	62915	23.936	ug/l	98
91) 1,2-Dichlorobenzene	12.94	146	109440	23.133	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8210	21.698	ug/l	84

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

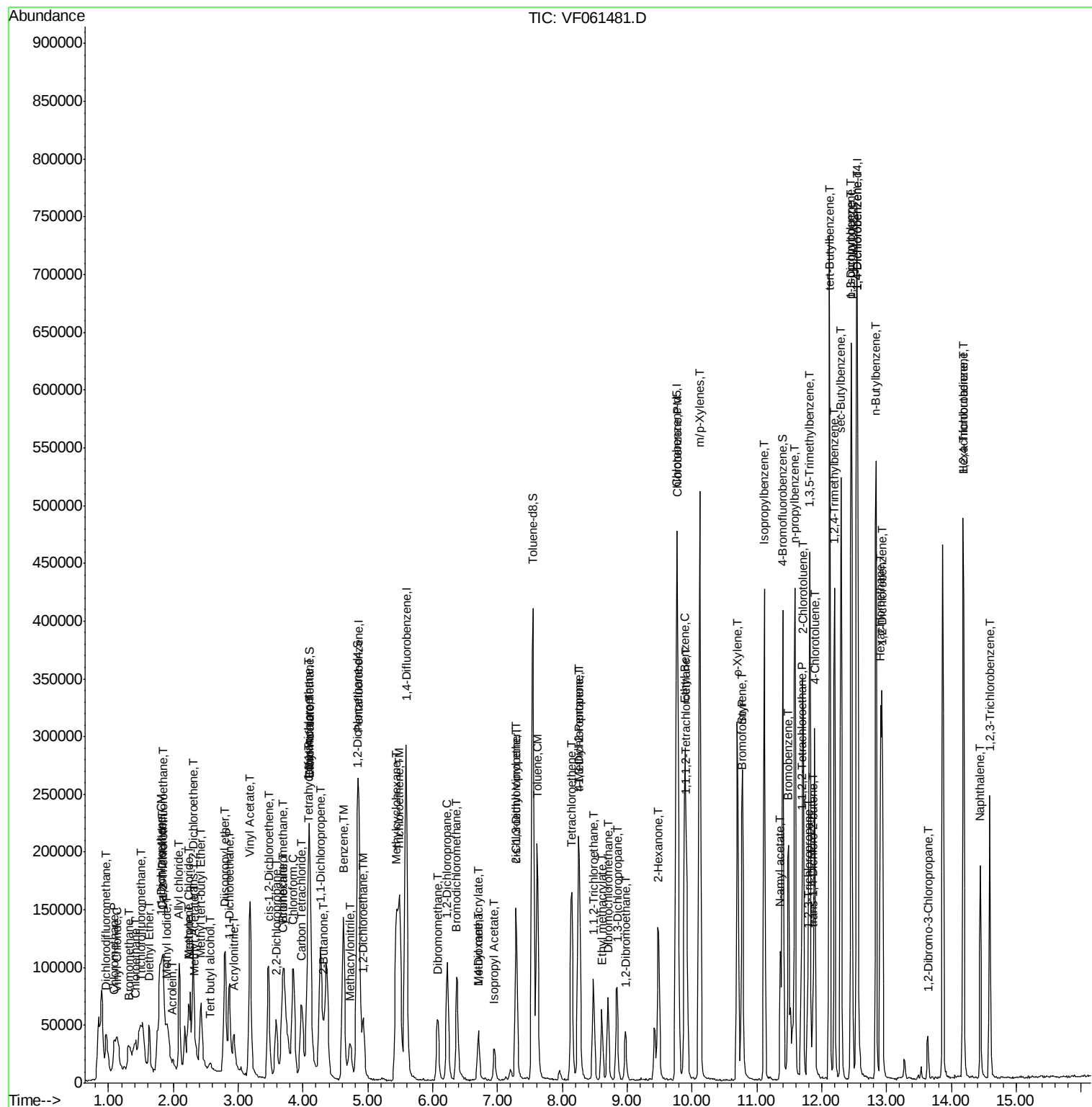
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	71721	21.641	ug/l	97
94) Hexachlorobutadiene	14.18	225	42487	20.660	ug/l	98
95) Naphthalene	14.45	128	124763	19.814	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	64357	20.978	ug/l	98

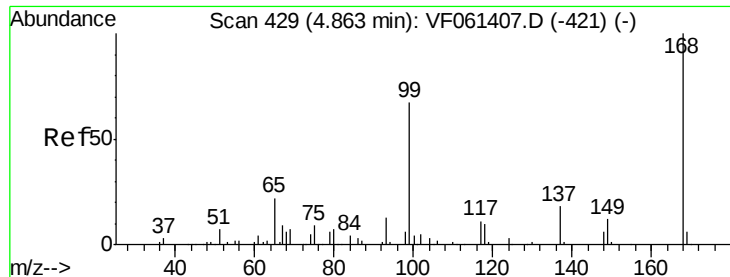
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF012319\
Data File : VF061481.D
Acq On : 23 Jan 2019 13:22
Operator : VA/AP
Sample : VF0123SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
Client Sample Id :
VF0123SBSD01

Quant Time: Jan 24 02:54:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
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: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

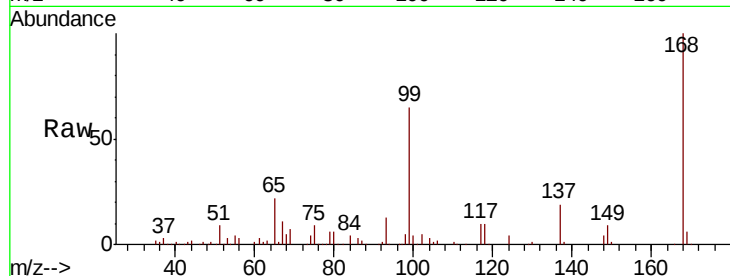
VF0123SBS01

Tgt Ion:168 Resp: 184620

Ion Ratio Lower Upper

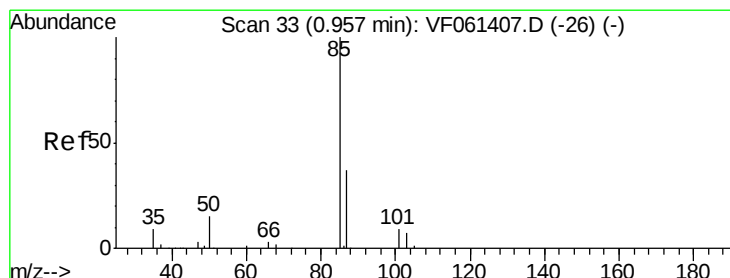
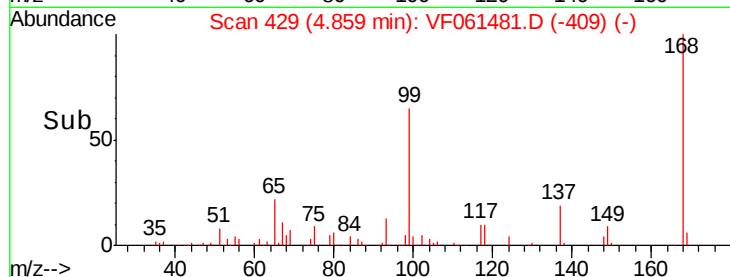
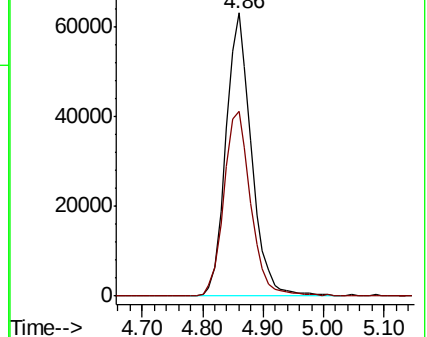
168 100

99 65.2 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 19.197 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061481.D

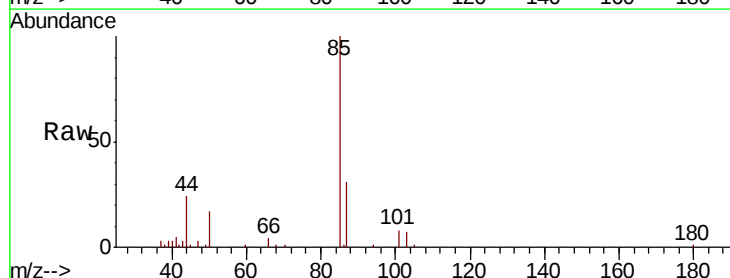
Acq: 23 Jan 2019 13:22

Tgt Ion: 85 Resp: 69639

Ion Ratio Lower Upper

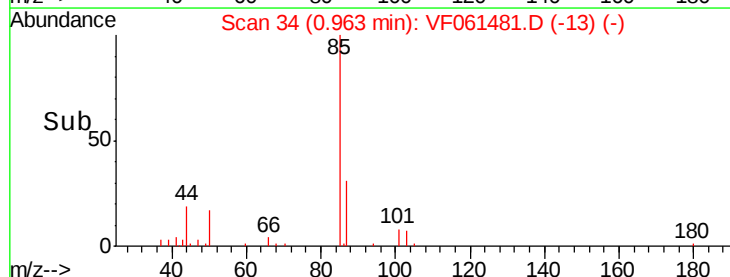
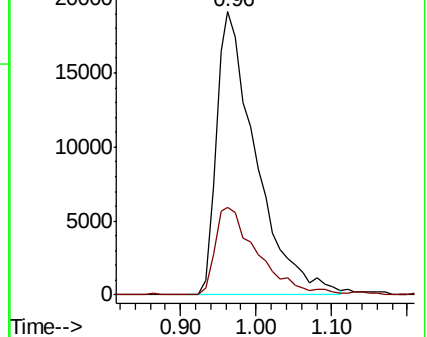
85 100

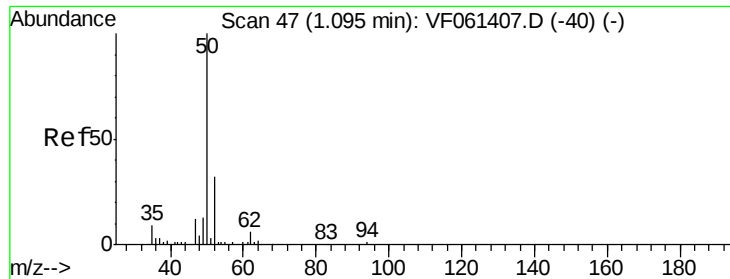
87 31.1 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 21.452 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

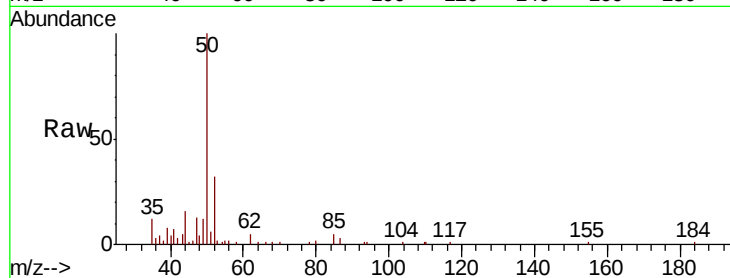
VF0123SBS01

Tgt Ion: 50 Resp: 57058

Ion Ratio Lower Upper

50 100

52 32.3 24.6 36.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

15000

10000

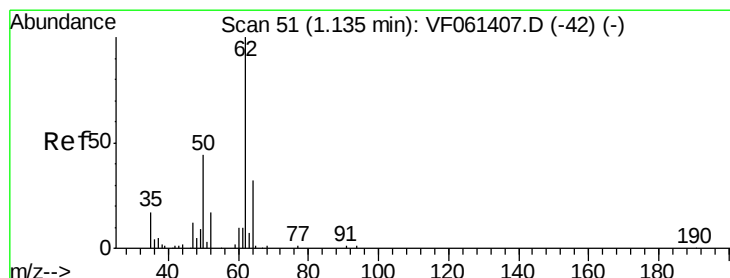
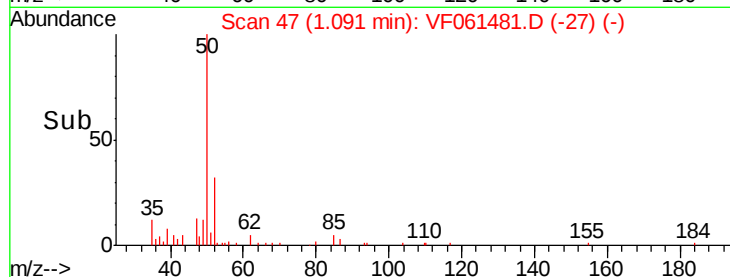
5000

0

Time-->

1.00 1.10 1.20 1.30

1.09



#4

Vinyl Chloride

Concen: 21.918 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061481.D

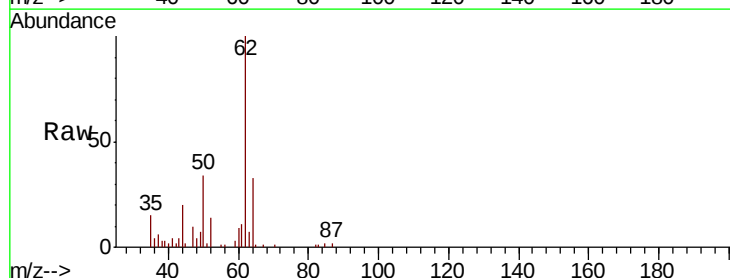
Acq: 23 Jan 2019 13:22

Tgt Ion: 62 Resp: 51859

Ion Ratio Lower Upper

62 100

64 32.8 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

15000

10000

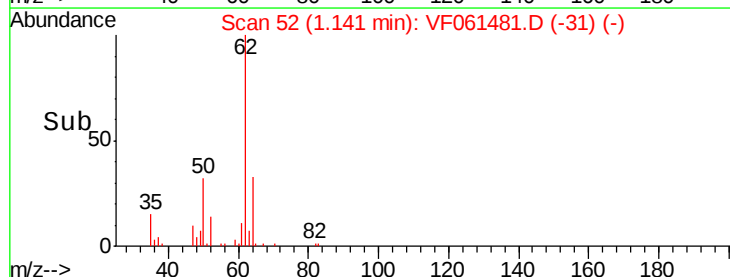
5000

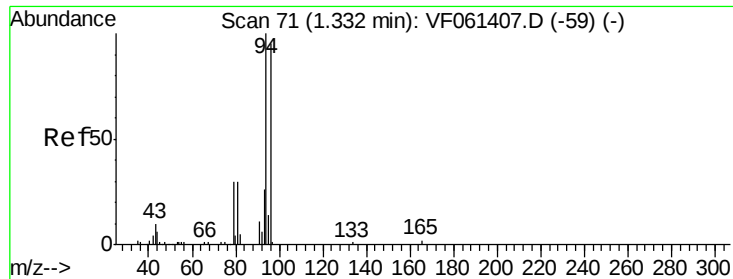
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Time-->

1.00 1.10 1.20 1.30

1.14





#5

Bromomethane

Concen: 22.660 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

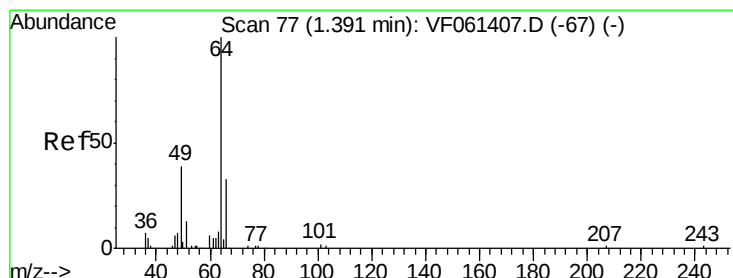
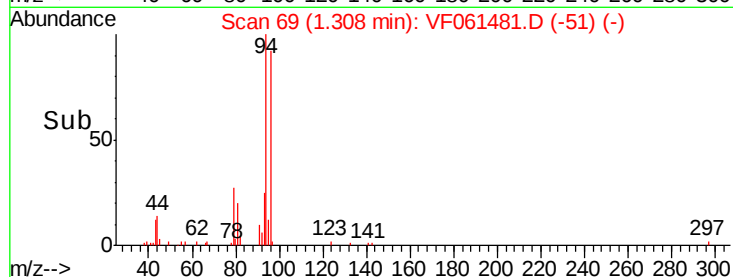
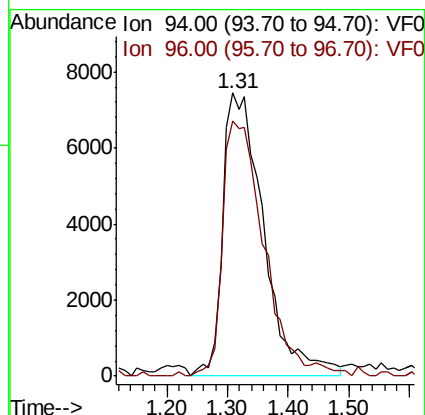
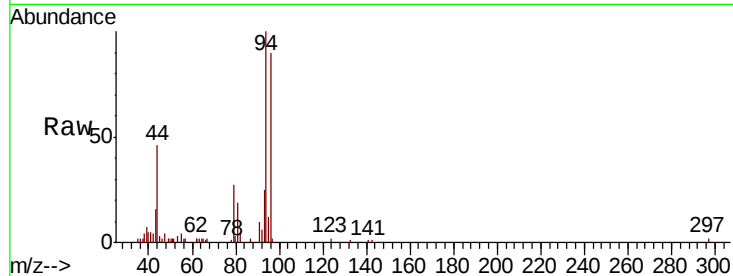
VF0123SBS01

Tgt Ion: 94 Resp: 34962

Ion Ratio Lower Upper

94 100

96 90.3 76.0 114.0



#6

Chloroethane

Concen: 21.813 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061481.D

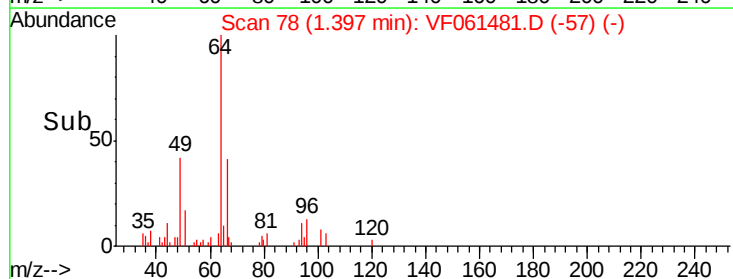
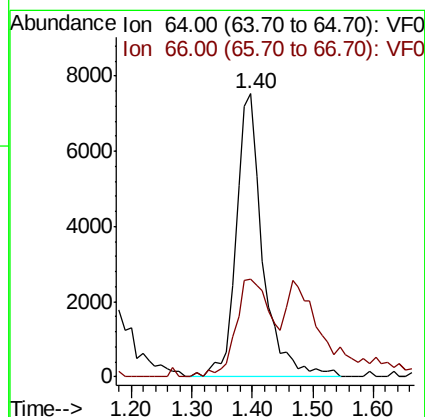
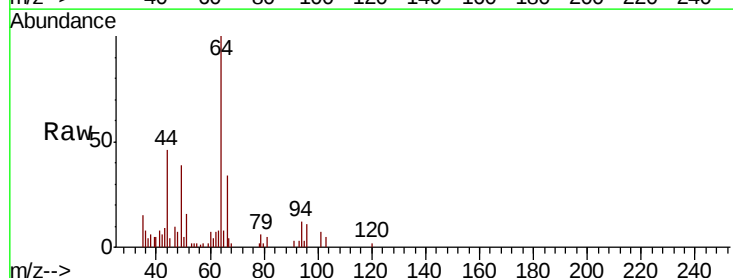
Acq: 23 Jan 2019 13:22

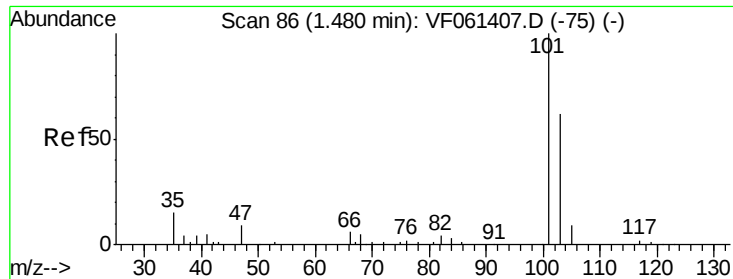
Tgt Ion: 64 Resp: 22869

Ion Ratio Lower Upper

64 100

66 34.5 26.6 40.0





#7

Trichlorofluoromethane

Concen: 19.283 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

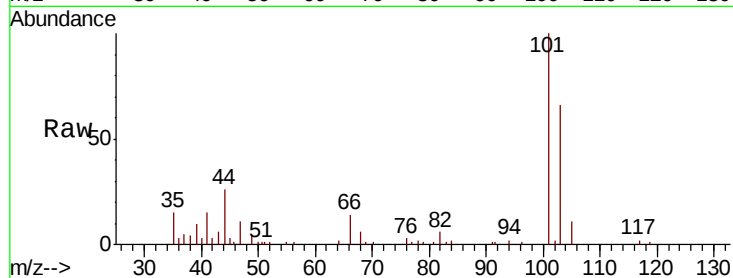
VF0123SBS01

Tgt Ion:101 Resp: 88697

Ion Ratio Lower Upper

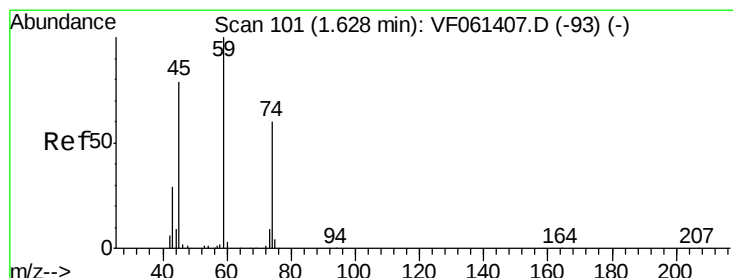
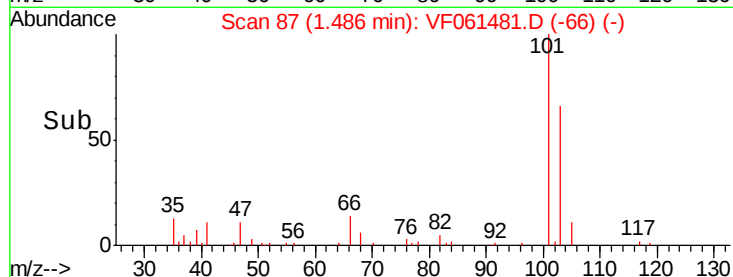
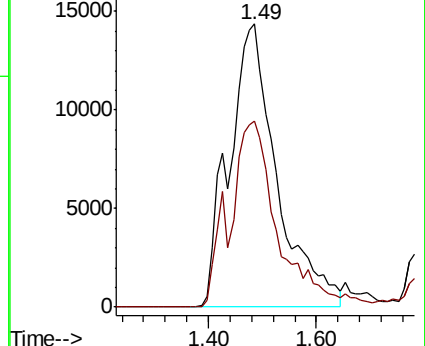
101 100

103 65.7 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: 22.486 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061481.D

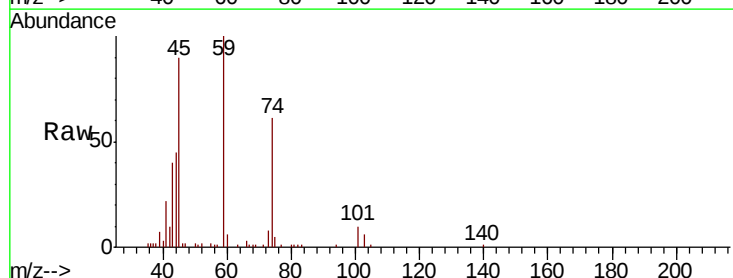
Acq: 23 Jan 2019 13:22

Tgt Ion: 74 Resp: 13253

Ion Ratio Lower Upper

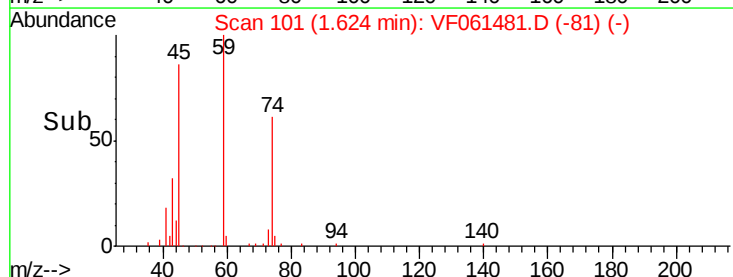
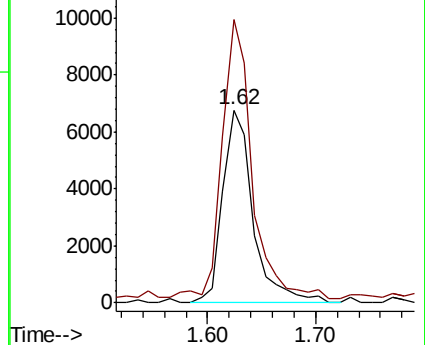
74 100

45 147.0 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: 22.299 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

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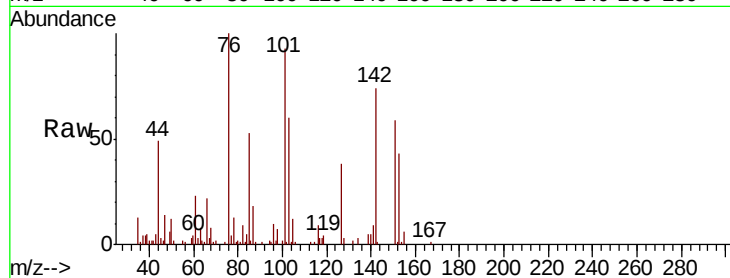
Tgt Ion:101 Resp: 49285

Ion Ratio Lower Upper

101 100

85 56.6 41.9 62.9

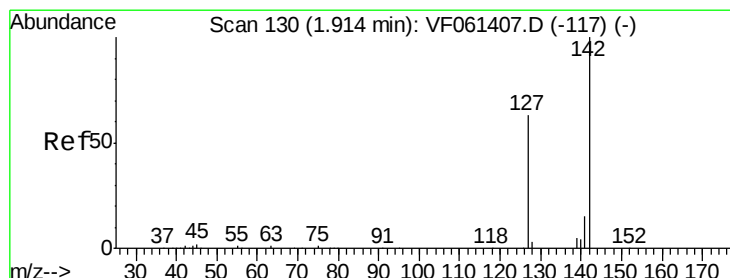
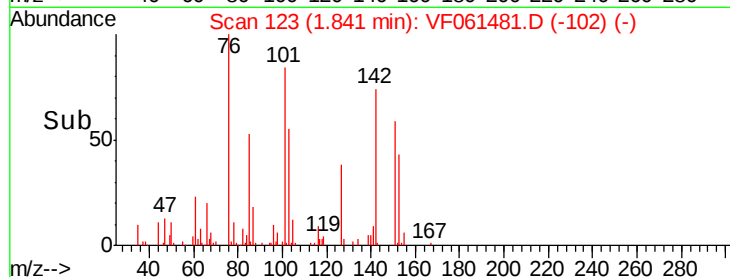
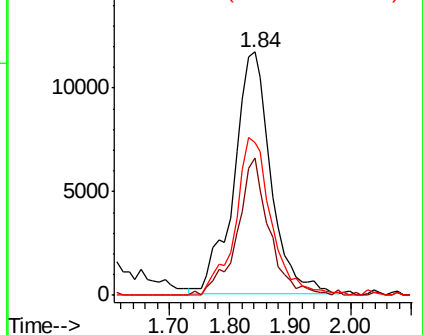
151 62.9 55.1 82.7



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: 16.042 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

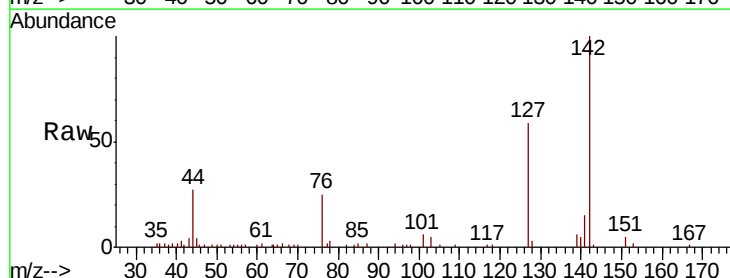
Tgt Ion:142 Resp: 54965

Ion Ratio Lower Upper

142 100

127 59.2 50.7 76.1

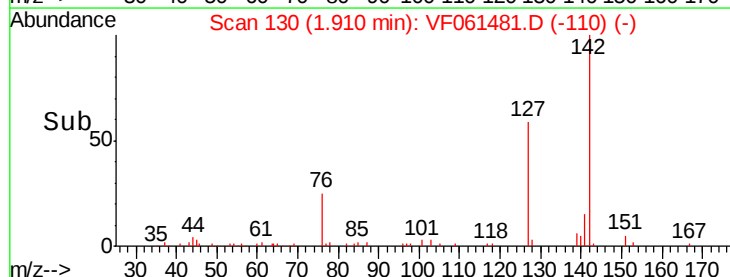
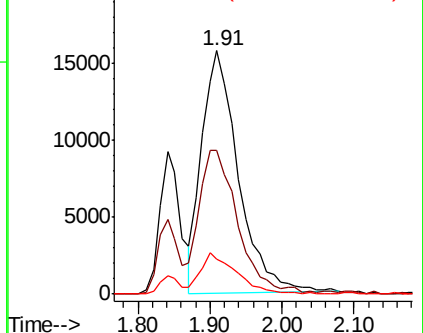
141 14.5 11.8 17.6

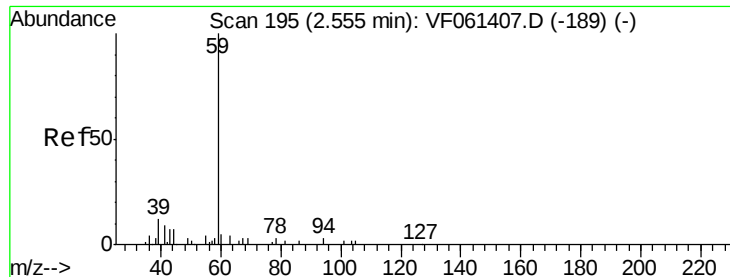


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

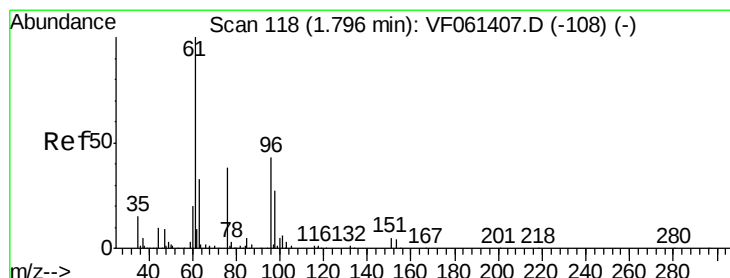
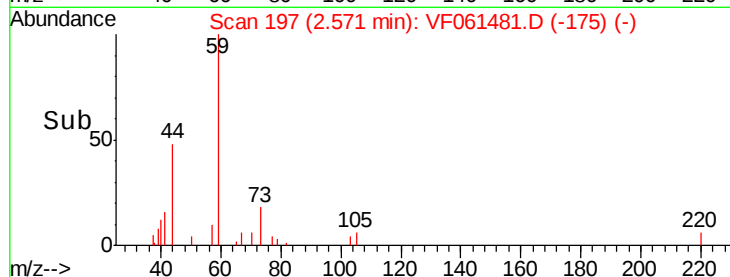
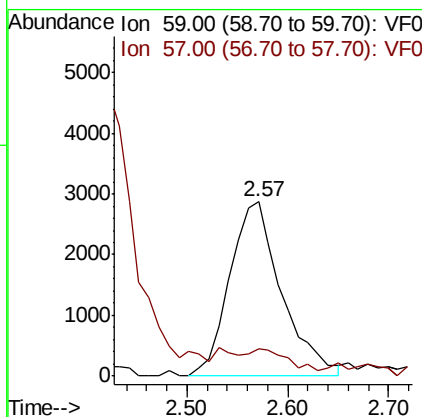
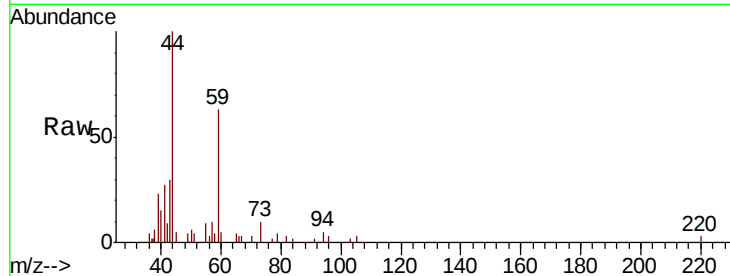




#11
Tert butyl alcohol
Concen: 106.984 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

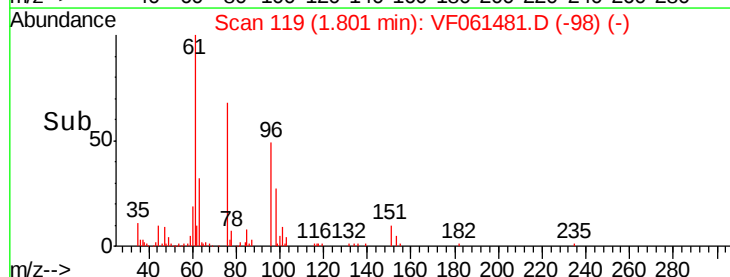
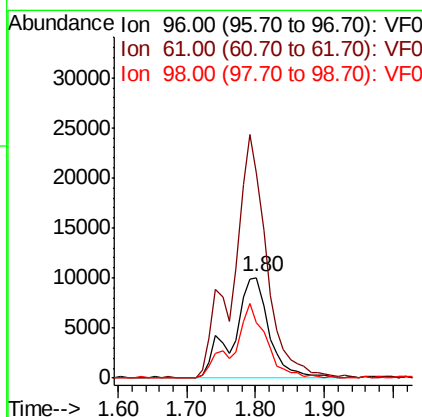
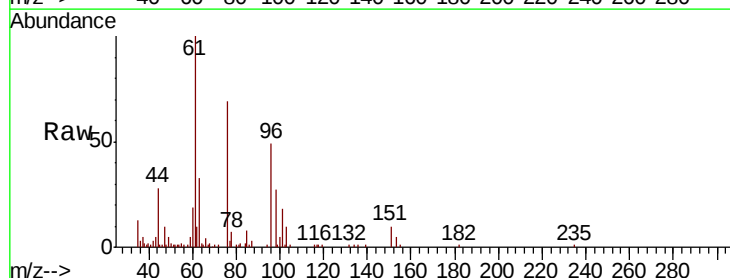
Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

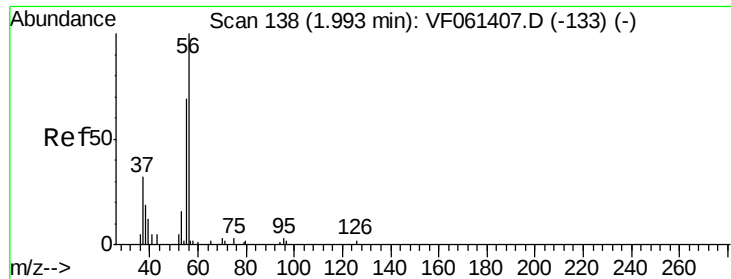
Tgt Ion: 59 Resp: 10322
Ion Ratio Lower Upper
59 100
57 15.7 11.9 17.9



#12
1,1-Dichloroethene
Concen: 22.183 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

Tgt Ion: 96 Resp: 36425
Ion Ratio Lower Upper
96 100
61 204.7 186.9 280.3
98 54.8 53.0 79.4





#13

Acrolein

Concen: 88.975 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

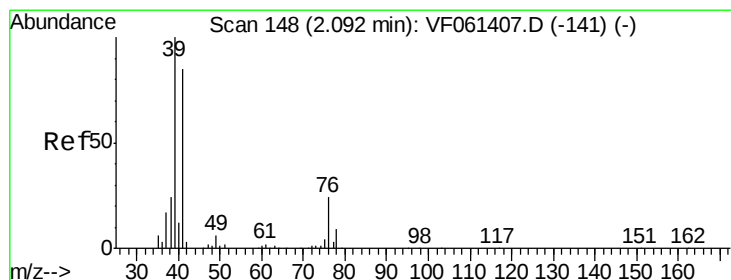
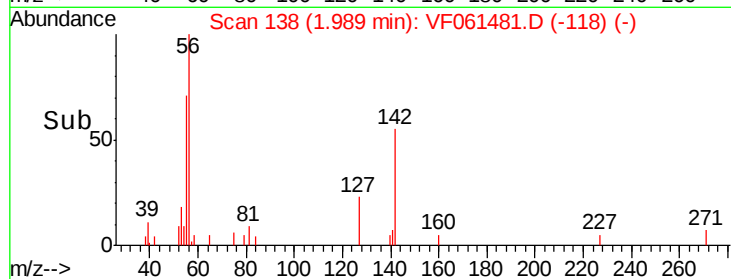
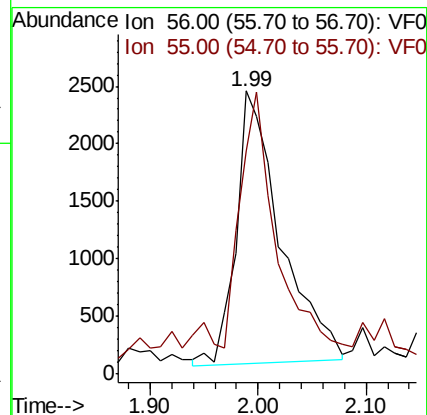
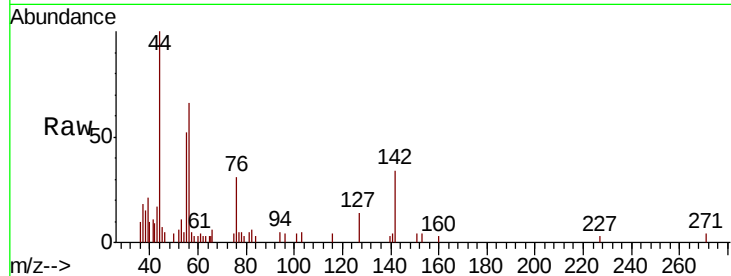
VF0123SBSD01

Tgt Ion: 56 Resp: 6817

Ion Ratio Lower Upper

56 100

55 78.9 57.5 86.3



#14

Allyl chloride

Concen: 30.729 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

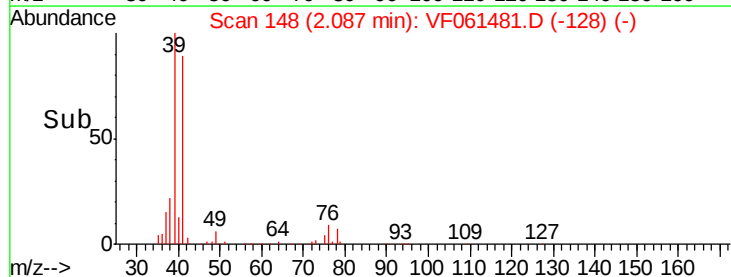
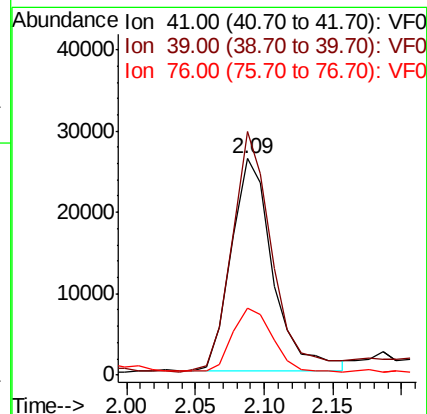
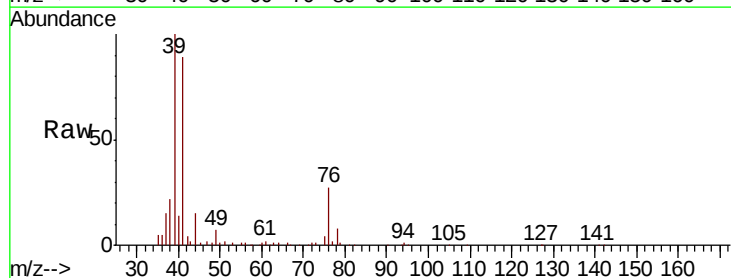
Tgt Ion: 41 Resp: 55678

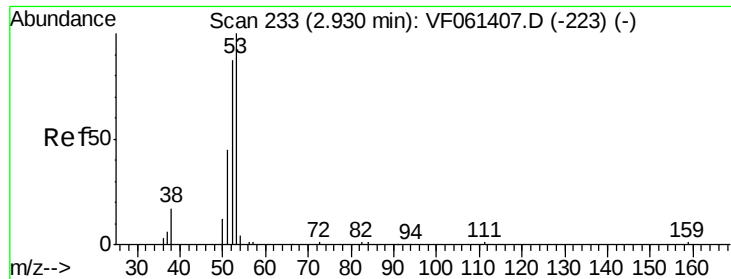
Ion Ratio Lower Upper

41 100

39 112.5 94.6 141.8

76 30.7 25.9 38.9





#15

Acrylonitrile

Concen: 128.892 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

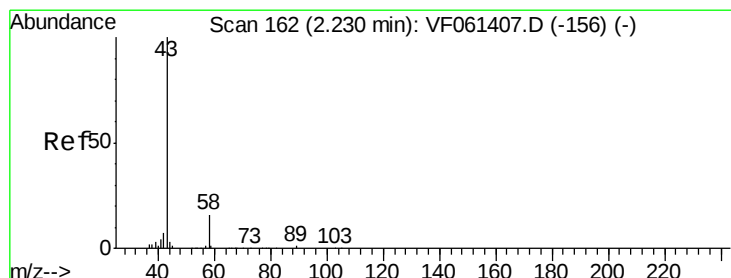
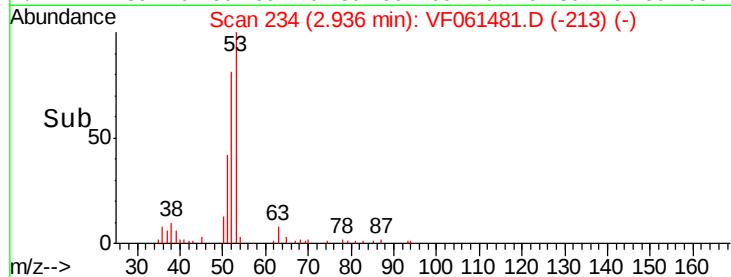
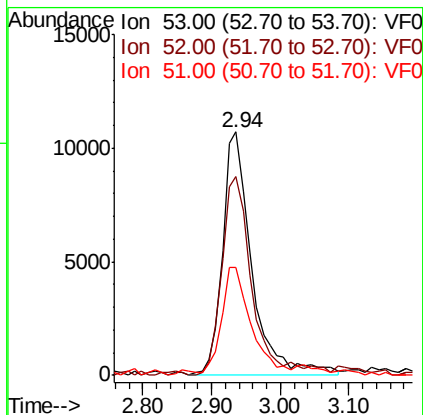
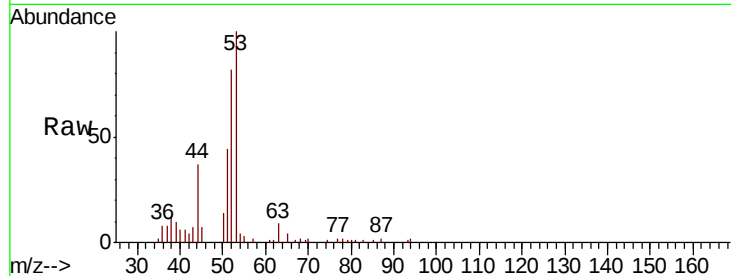
Tgt Ion: 53 Resp: 31854

Ion Ratio Lower Upper

53 100

52 81.9 69.6 104.4

51 44.2 36.8 55.2



#16

Acetone

Concen: 123.394 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061481.D

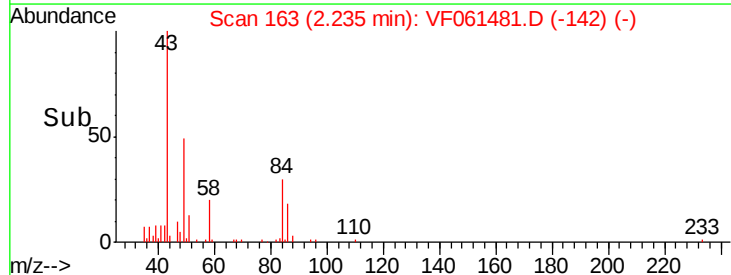
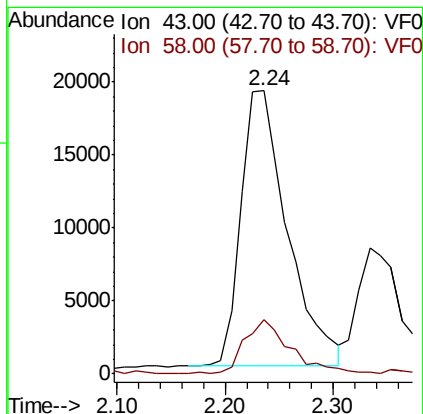
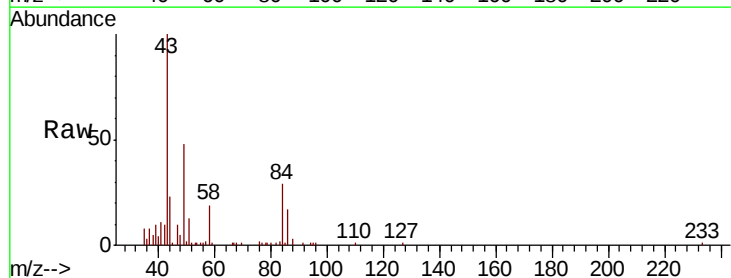
Acq: 23 Jan 2019 13:22

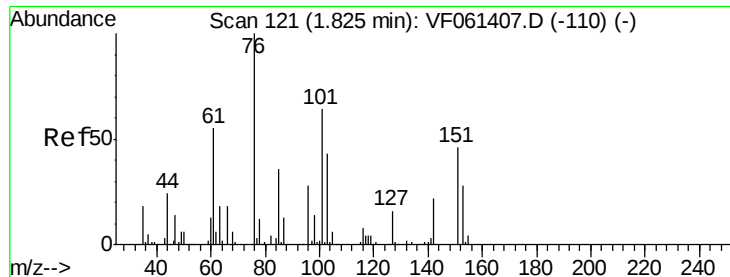
Tgt Ion: 43 Resp: 56424

Ion Ratio Lower Upper

43 100

58 19.1 13.3 19.9

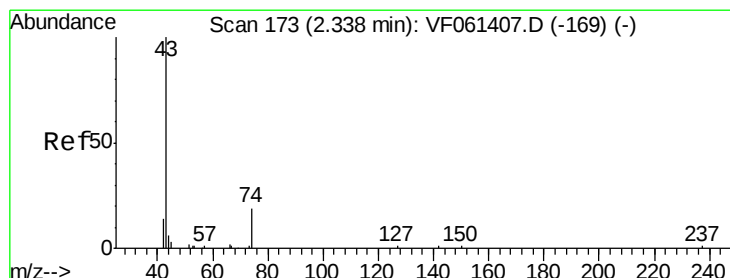
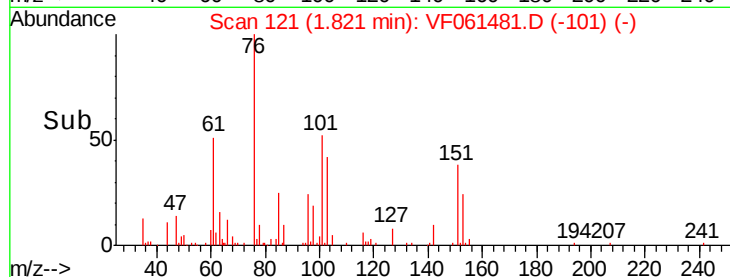
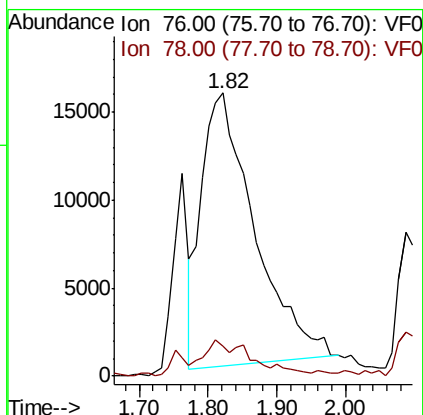
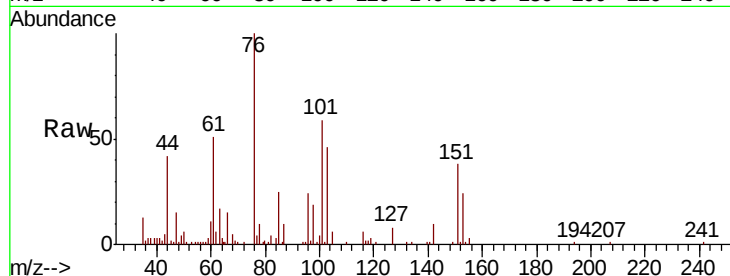




#17
Carbon Disulfide
Concen: 16.332 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

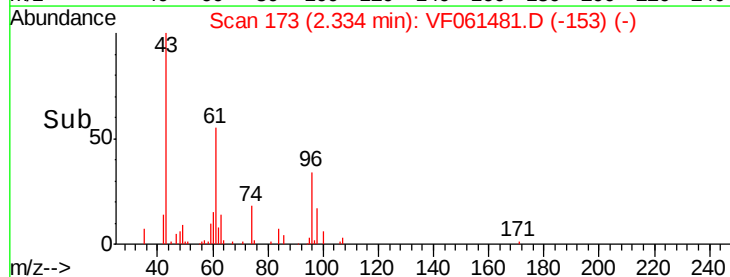
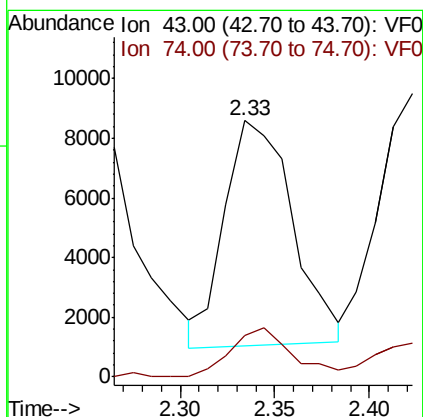
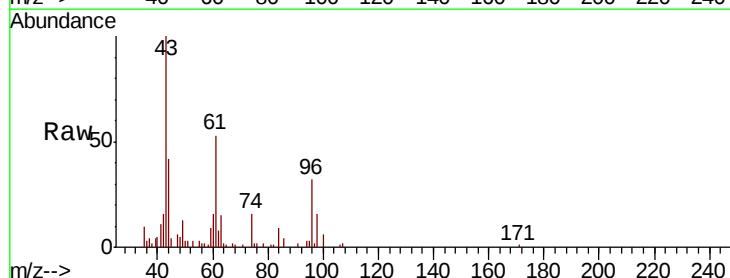
Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

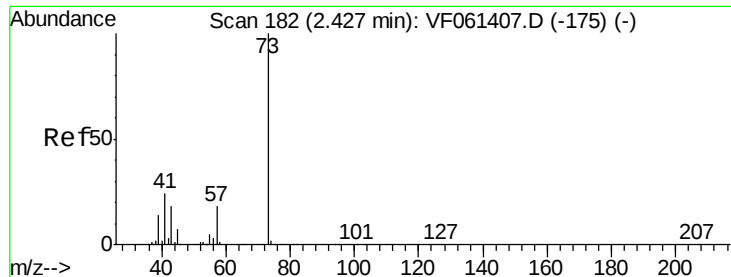
Tgt Ion: 76 Resp: 83618
Ion Ratio Lower Upper
76 100
78 10.5 9.6 14.4



#18
Methyl Acetate
Concen: 20.672 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

Tgt Ion: 43 Resp: 18746
Ion Ratio Lower Upper
43 100
74 16.4 13.4 20.0

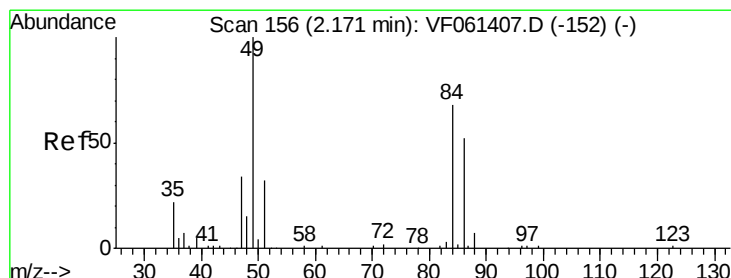
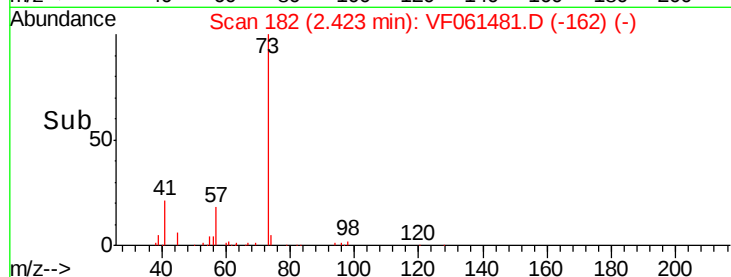
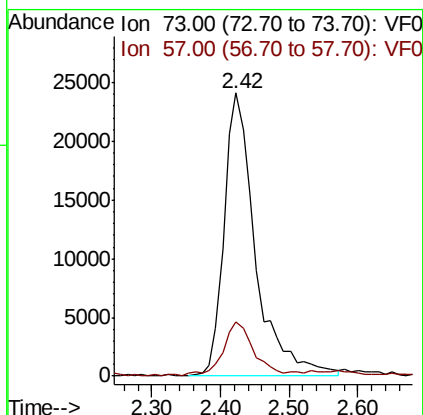
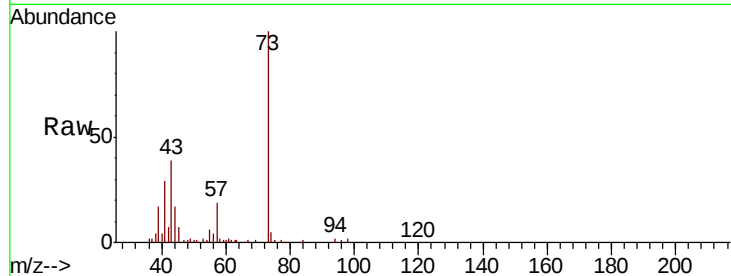




#19
Methyl tert-butyl Ether
Concen: 20.784 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

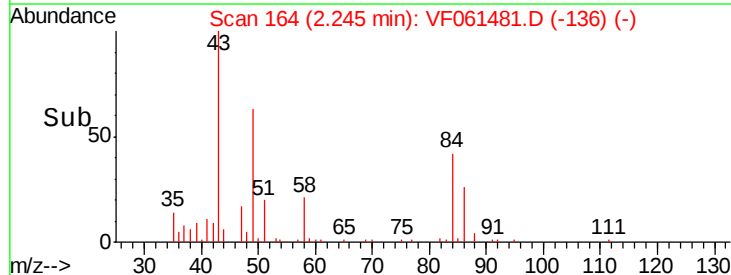
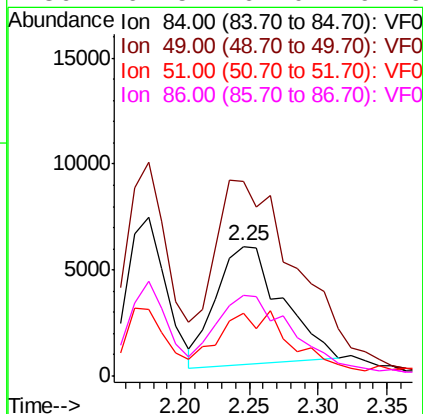
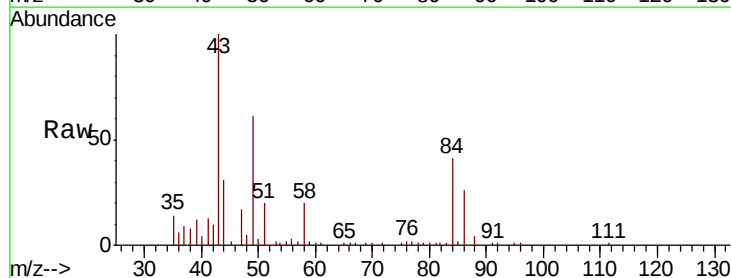
Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

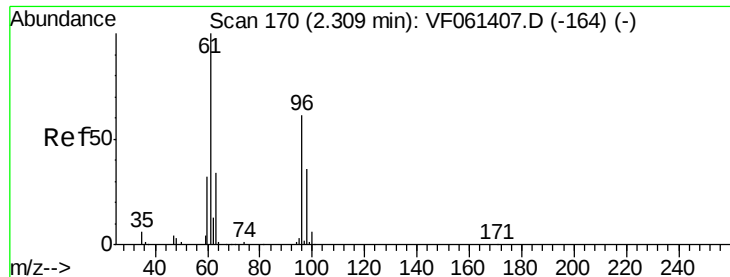
Tgt Ion: 73 Resp: 76504
Ion Ratio Lower Upper
73 100
57 19.3 14.8 22.2



#20
Methylene Chloride
Concen: 10.601 ug/l
RT: 2.25 min Scan# 164
Delta R.T. 0.08 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

Tgt Ion: 84 Resp: 18605
Ion Ratio Lower Upper
84 100
49 149.9 120.0 180.0
51 48.2 38.6 58.0
86 62.5 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 22.659 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

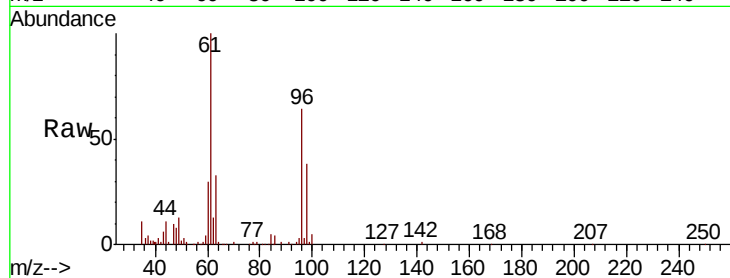
Tgt Ion: 96 Resp: 40936

Ion Ratio Lower Upper

96 100

61 157.2 131.8 197.8

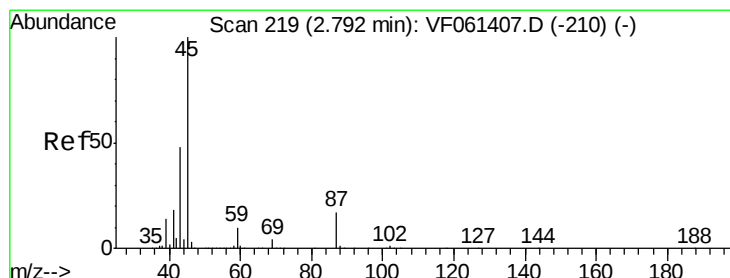
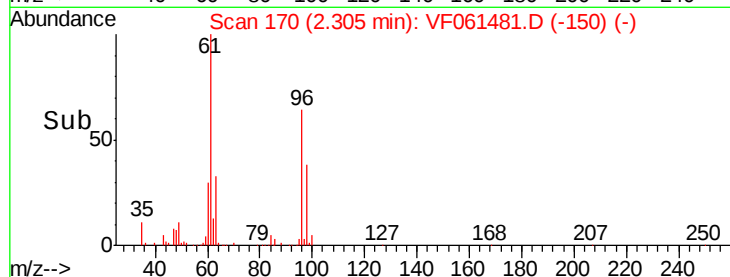
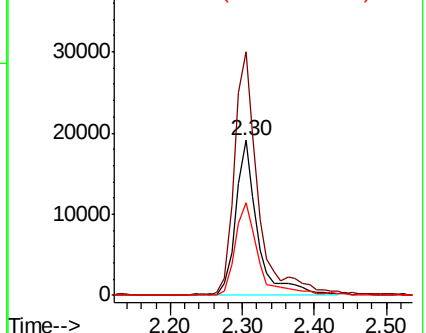
98 59.4 47.4 71.0



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



#22

Diisopropyl ether

Concen: 23.262 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Tgt Ion: 45 Resp: 135929

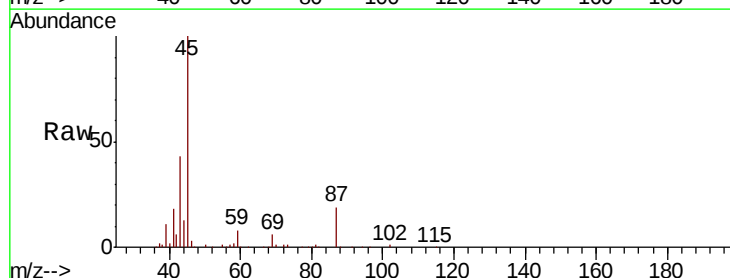
Ion Ratio Lower Upper

45 100

43 43.2 39.0 58.6

87 19.3 13.9 20.9

59 8.4 7.8 11.6

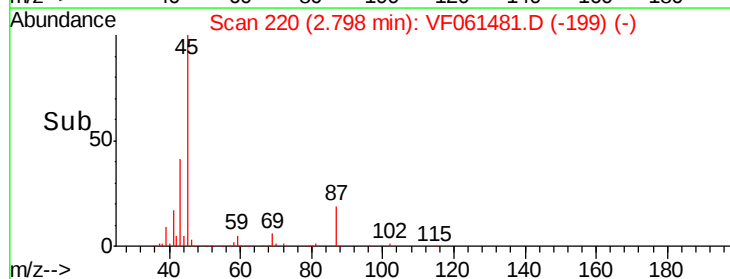
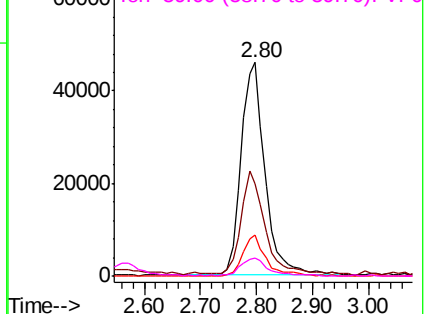


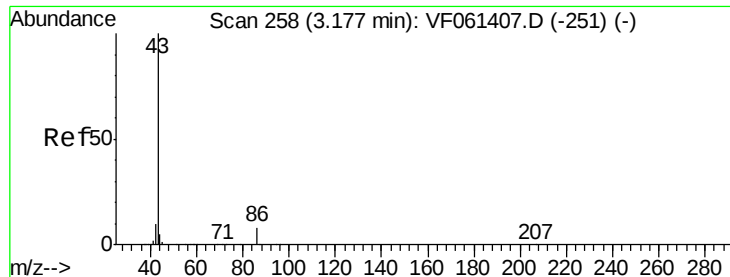
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 127.288 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

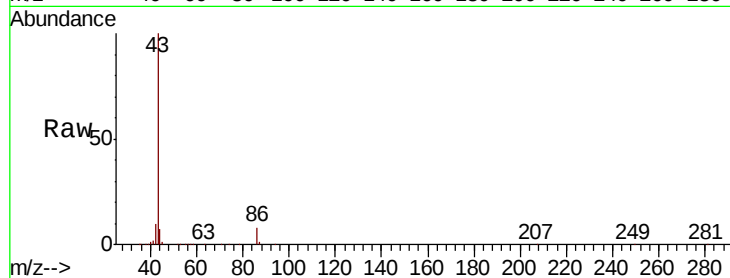
VF0123SBS01

Tgt Ion: 43 Resp: 323073

Ion Ratio Lower Upper

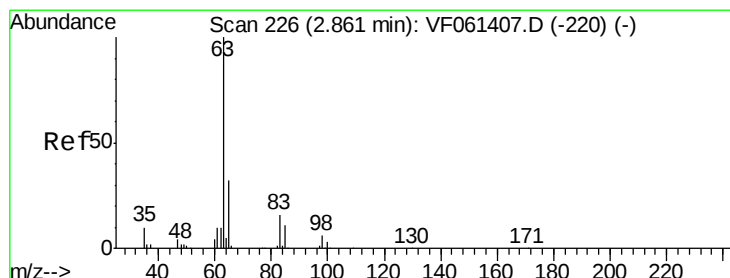
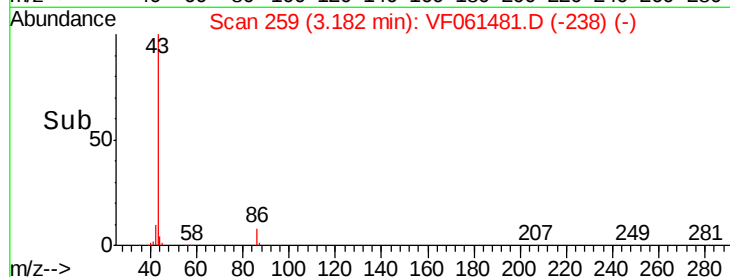
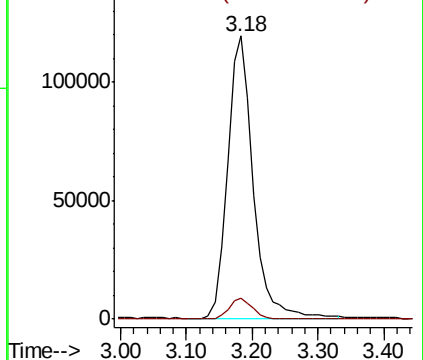
43 100

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: 23.167 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

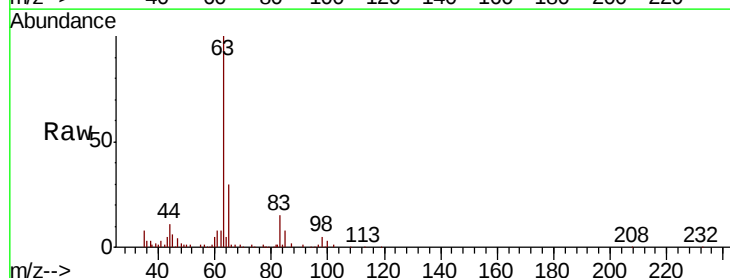
Tgt Ion: 63 Resp: 84965

Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.8

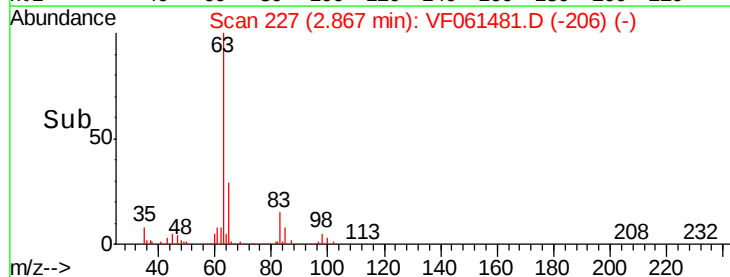
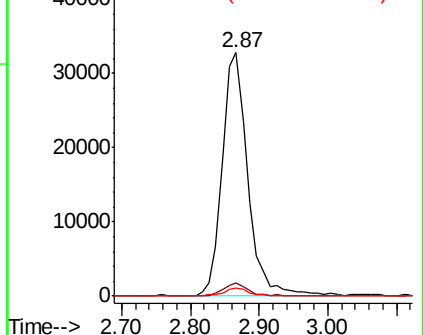
100 3.1 1.6 4.8

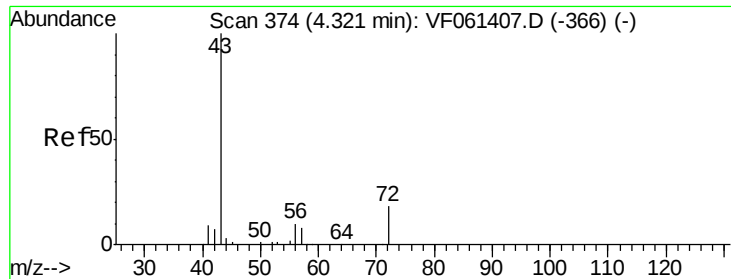


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 127.877 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

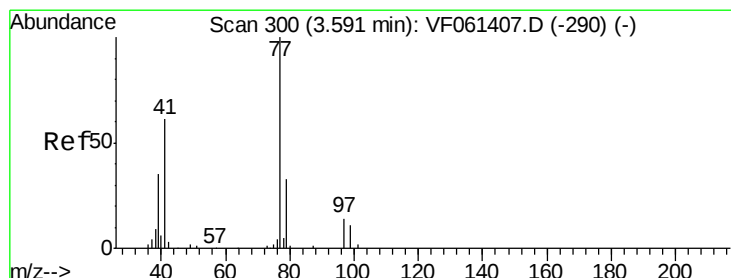
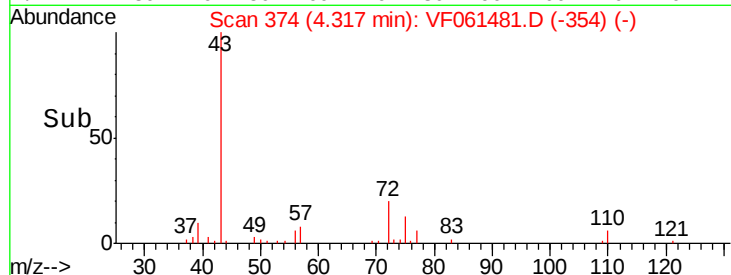
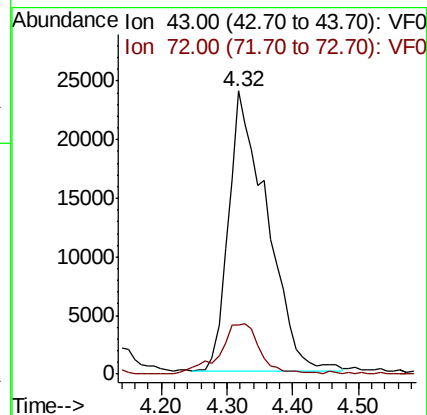
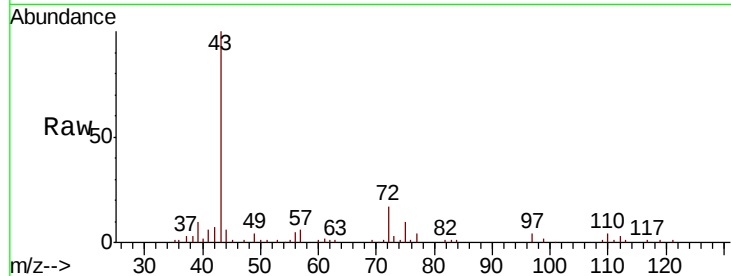
VF0123SBS01

Tgt Ion: 43 Resp: 97240

Ion Ratio Lower Upper

43 100

72 17.2 15.8 23.6



#26

2,2-Dichloropropane

Concen: 21.152 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061481.D

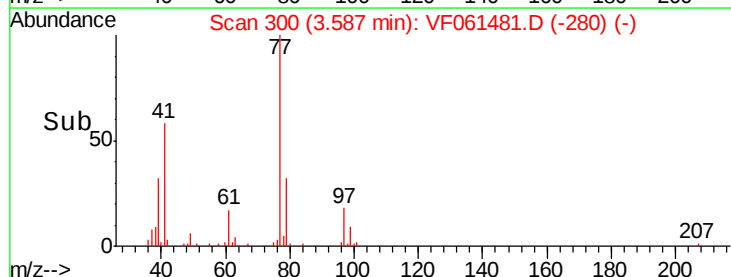
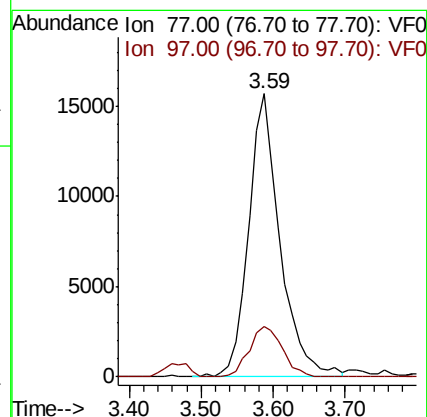
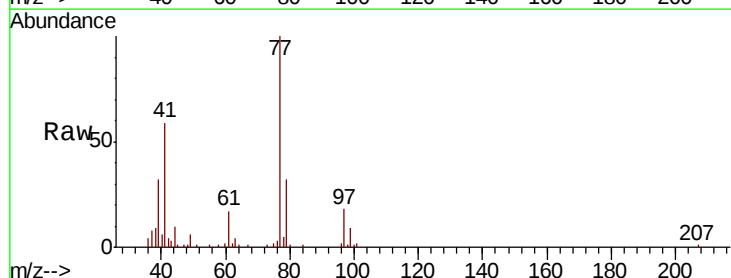
Acq: 23 Jan 2019 13:22

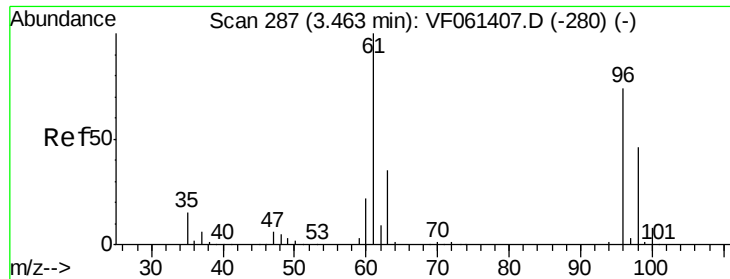
Tgt Ion: 77 Resp: 47660

Ion Ratio Lower Upper

77 100

97 17.7 8.5 25.5



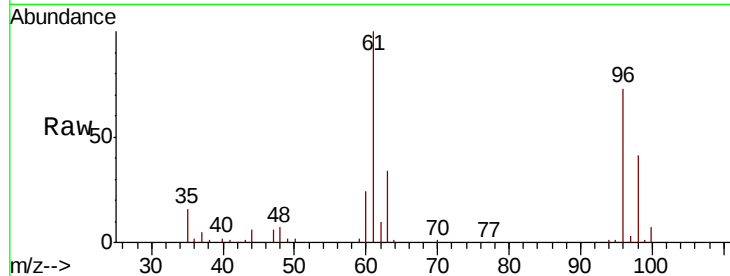


#27

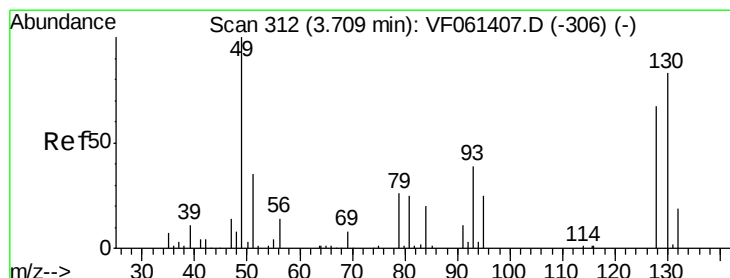
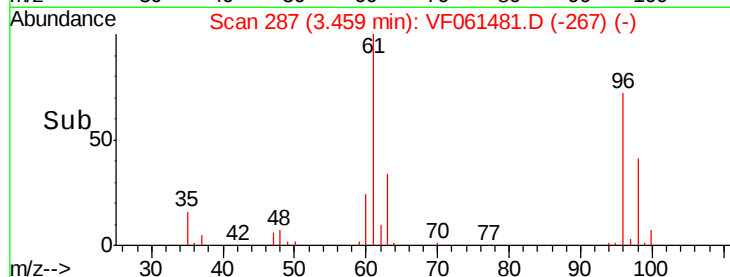
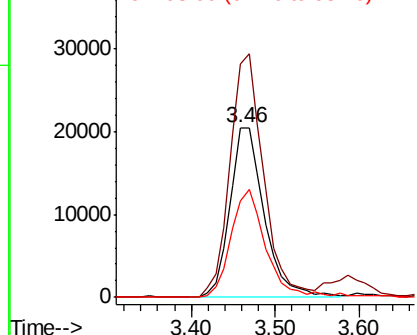
cis-1,2-Dichloroethene
Concen: 21.919 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

Tgt Ion: 96 Resp: 58453
Ion Ratio Lower Upper
96 100
61 137.4 0.0 270.2
98 56.9 0.0 124.0



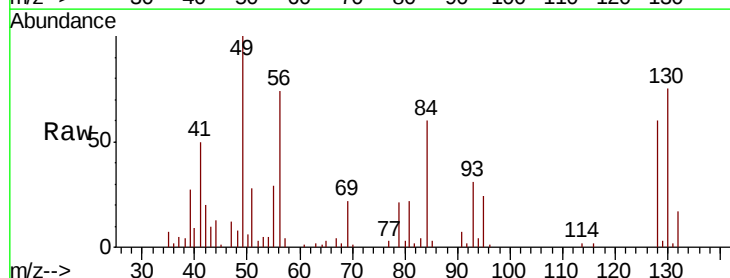
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



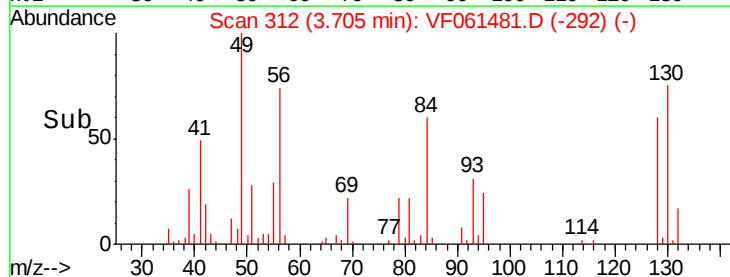
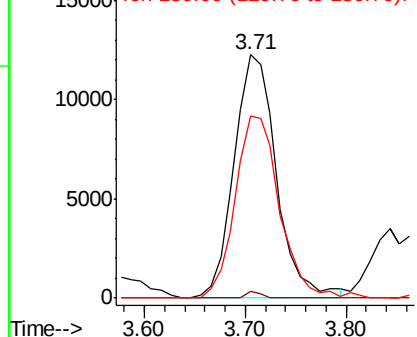
#28

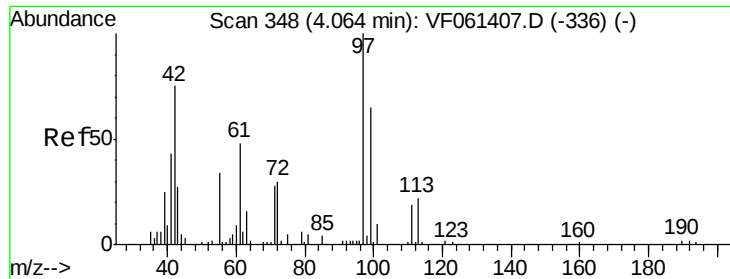
Bromochloromethane
Concen: 21.786 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

Tgt Ion: 49 Resp: 35915
Ion Ratio Lower Upper
49 100
129 2.9 0.0 0.0#
130 74.7 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: 110.836 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

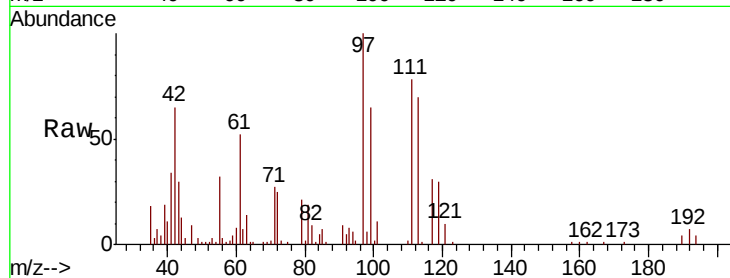
Tgt Ion: 42 Resp: 36291

Ion Ratio Lower Upper

42 100

72 37.2 28.9 43.3

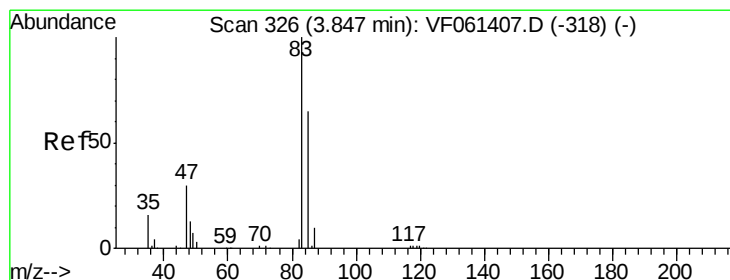
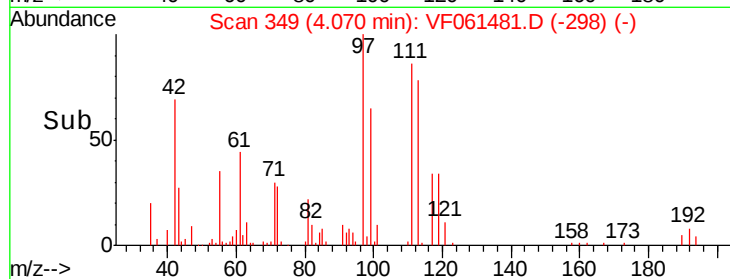
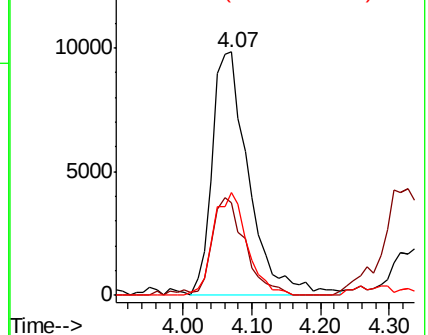
71 39.1 29.6 44.4



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: 21.946 ug/l

RT: 3.85 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF061481.D

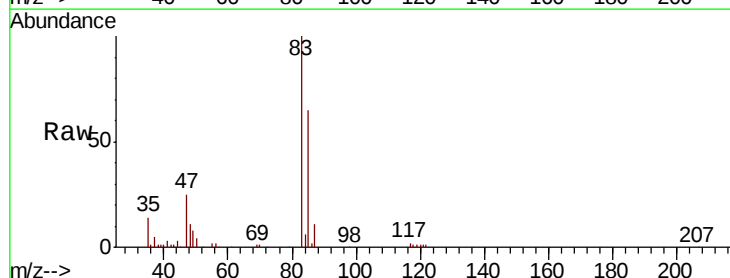
Acq: 23 Jan 2019 13:22

Tgt Ion: 83 Resp: 108622

Ion Ratio Lower Upper

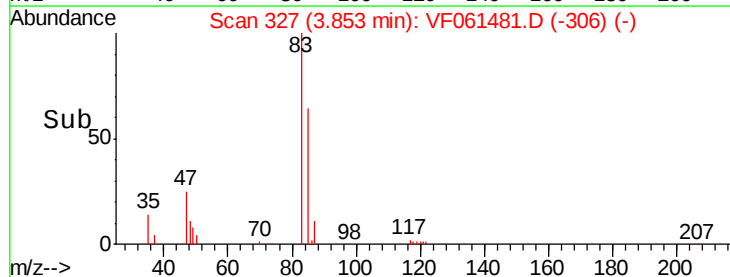
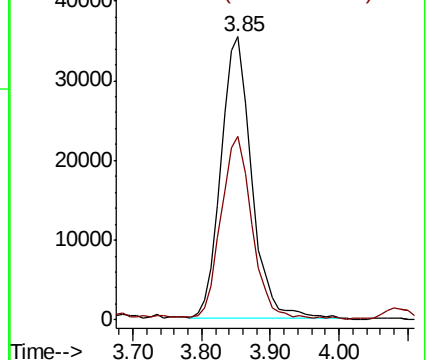
83 100

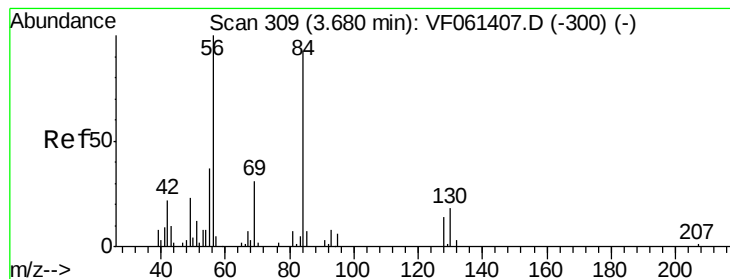
85 64.8 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 15.405 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

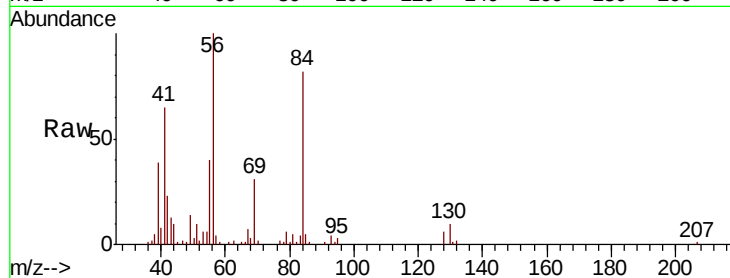
Tgt Ion: 56 Resp: 56436

Ion Ratio Lower Upper

56 100

69 31.2 24.6 36.8

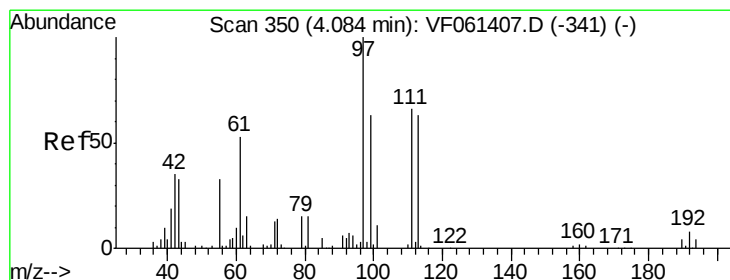
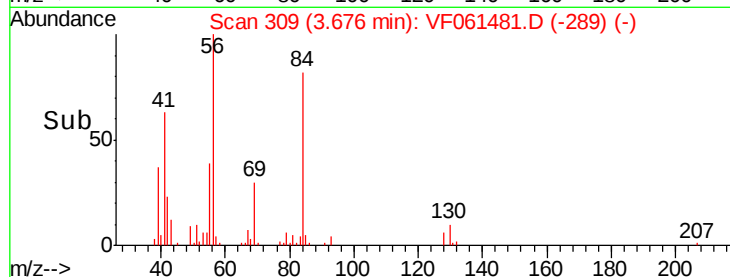
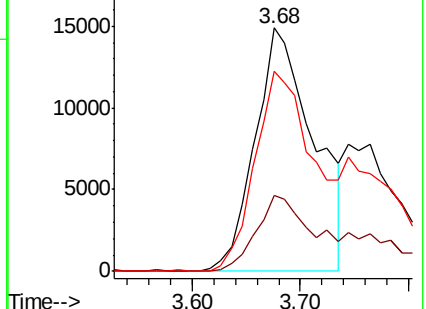
84 82.3 74.2 111.2



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: 18.866 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

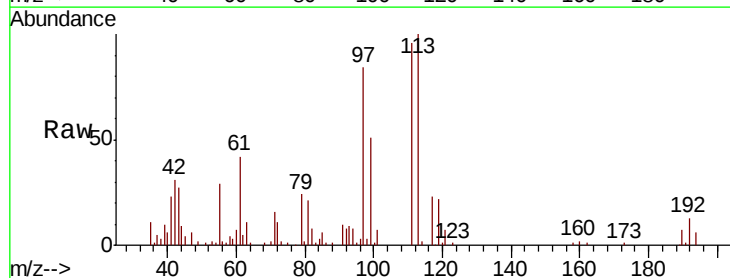
Tgt Ion: 97 Resp: 68468

Ion Ratio Lower Upper

97 100

99 60.5 50.1 75.1

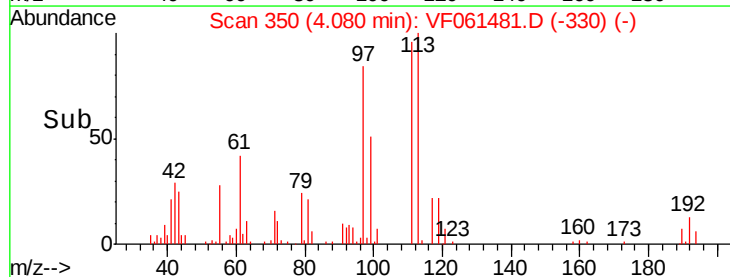
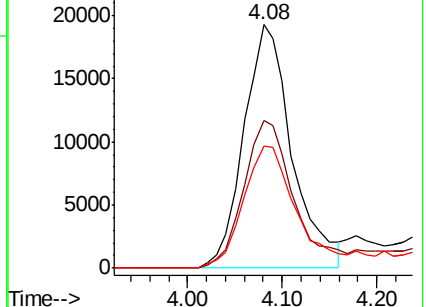
61 50.0 43.1 64.7

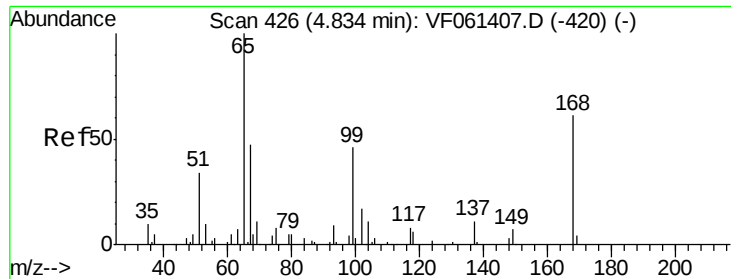


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

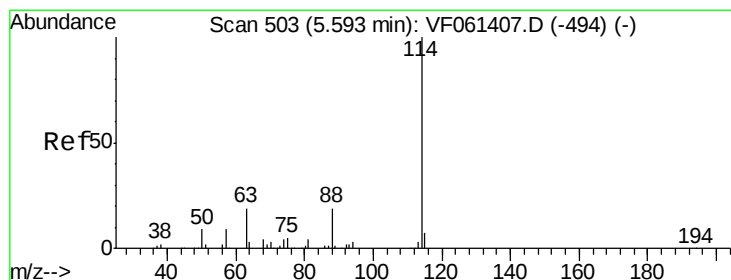
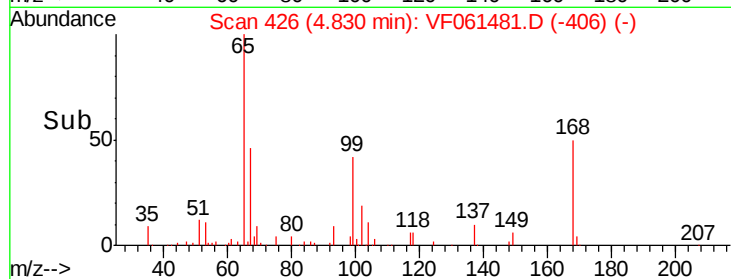
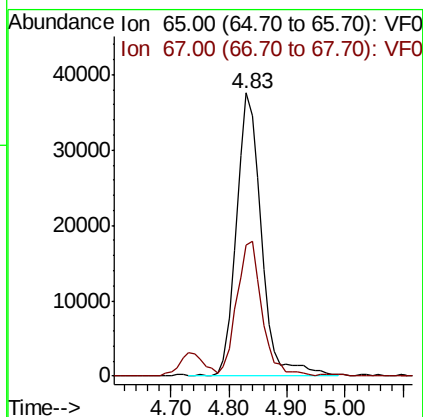
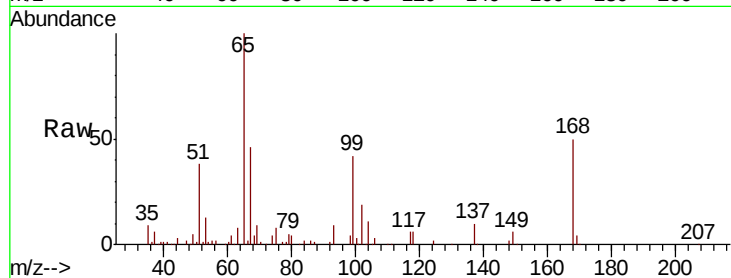




#33
 1,2-Dichloroethane-d4
 Concen: 49.389 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

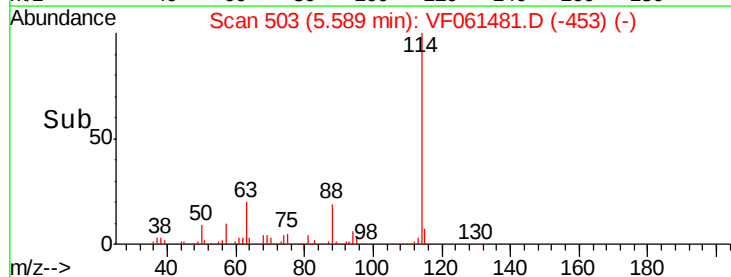
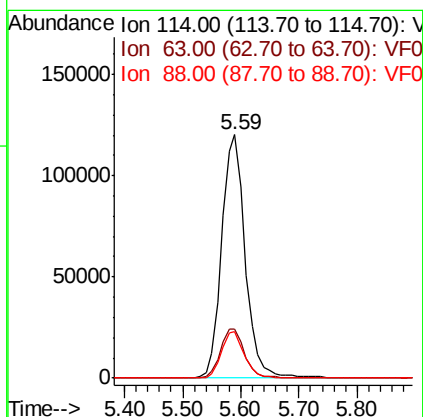
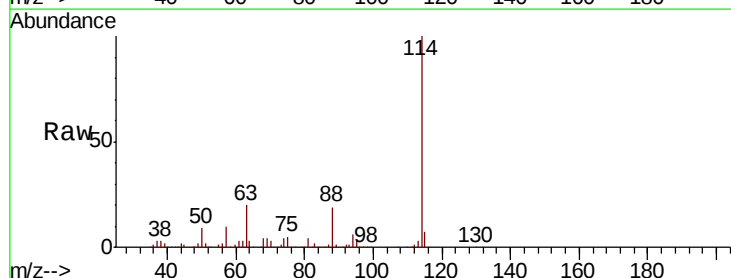
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

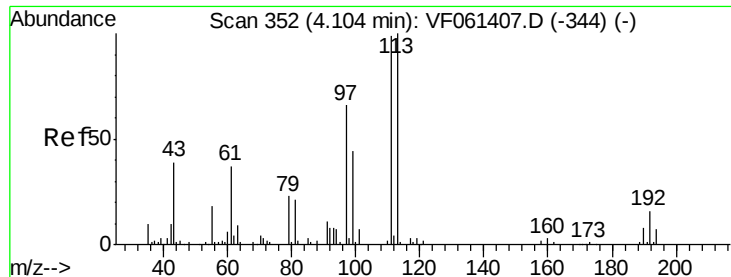
Tgt Ion: 65 Resp: 112576
 Ion Ratio Lower Upper
 65 100
 67 46.4 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

Tgt Ion: 114 Resp: 336376
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 18.9 0.0 37.4

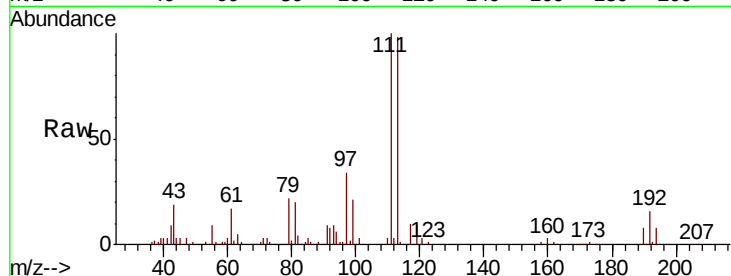




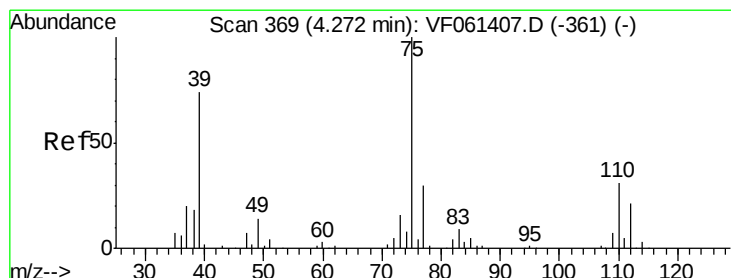
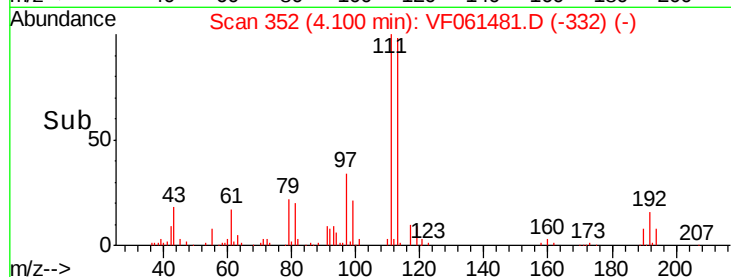
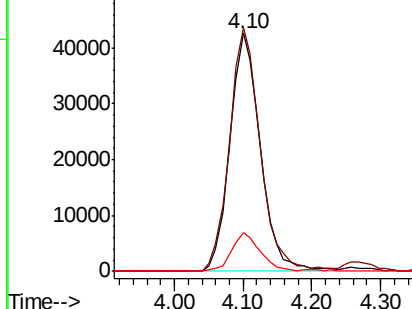
#35
 Dibromofluoromethane
 Concen: 49.204 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBSD01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	79.4	119.0
192	16.9	12.4	18.6

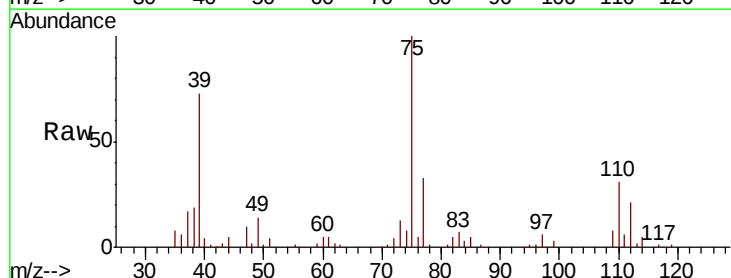


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

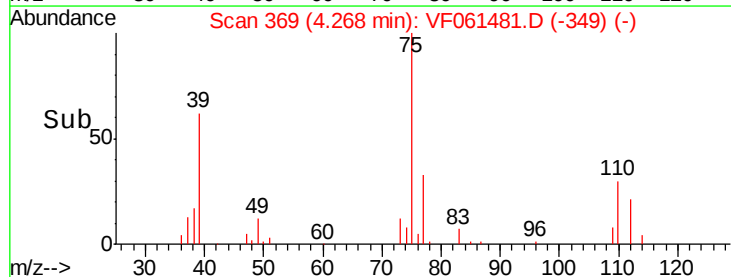
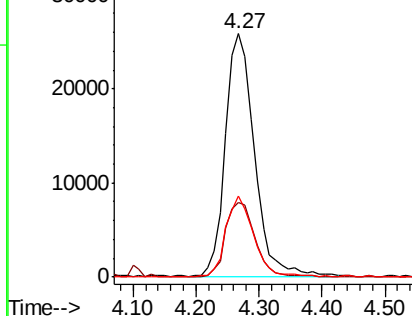


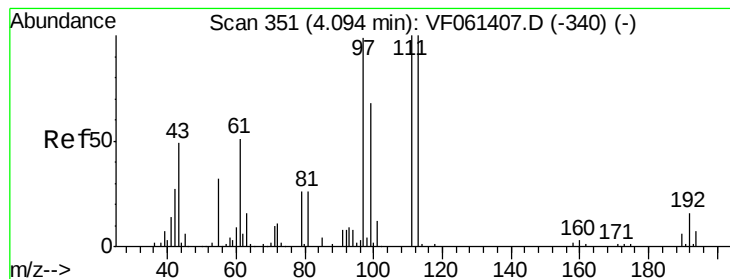
#36
 1,1-Dichloropropene
 Concen: 21.395 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.5	15.8	47.3
77	33.1	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: 22.597 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.02 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

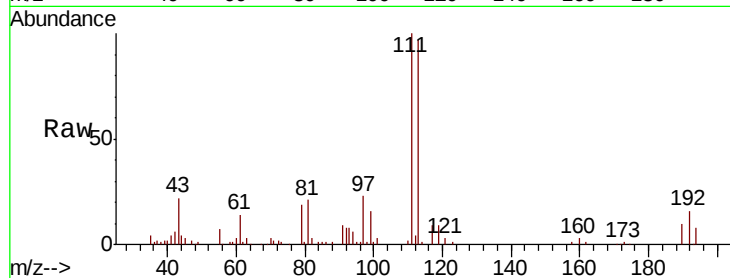
Tgt Ion: 43 Resp: 35229

Ion Ratio Lower Upper

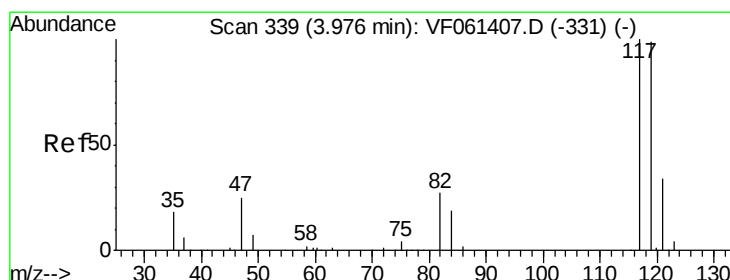
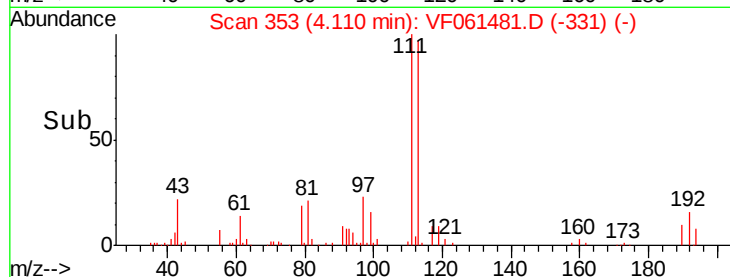
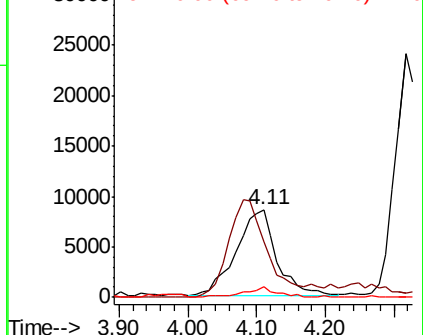
43 100

61 62.7 81.7 122.5#

70 11.8 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: 18.672 ug/l

RT: 3.98 min Scan# 340

Delta R.T. 0.01 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

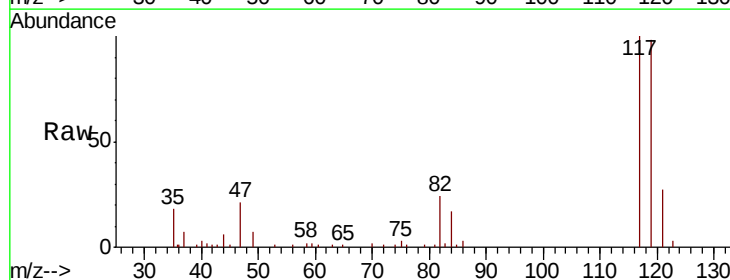
Tgt Ion: 117 Resp: 63664

Ion Ratio Lower Upper

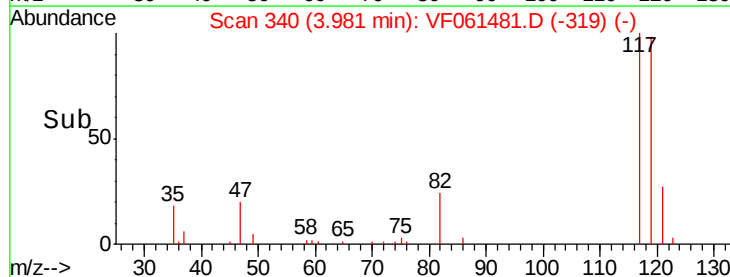
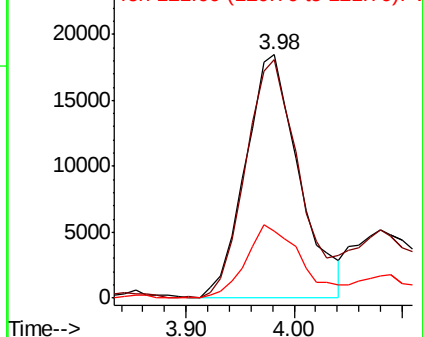
117 100

119 97.9 79.0 118.6

121 27.3 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

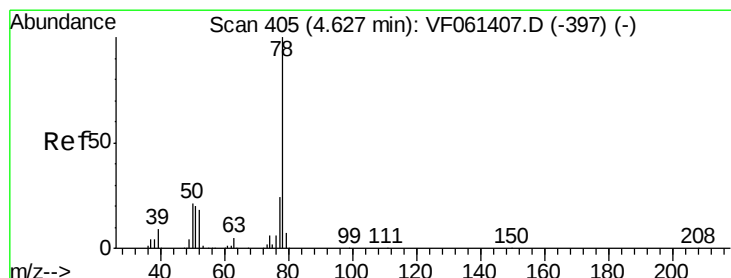
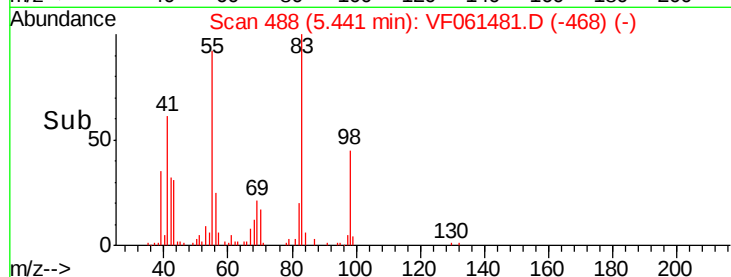
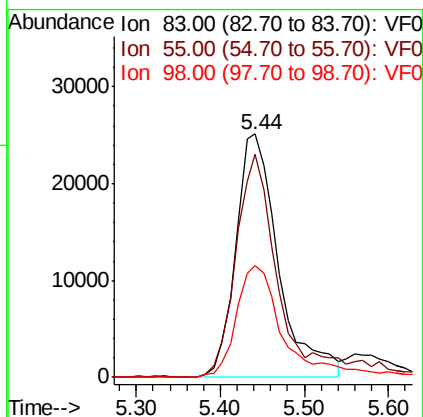
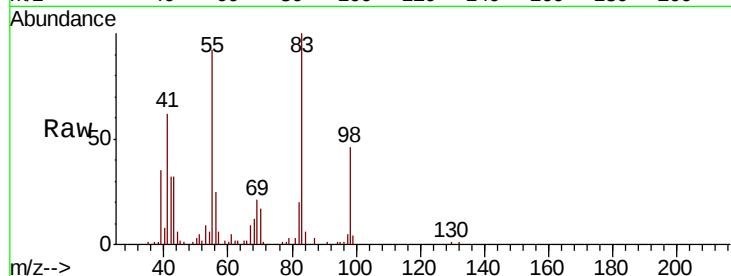




#39
Methylcyclohexane
Concen: 21.068 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

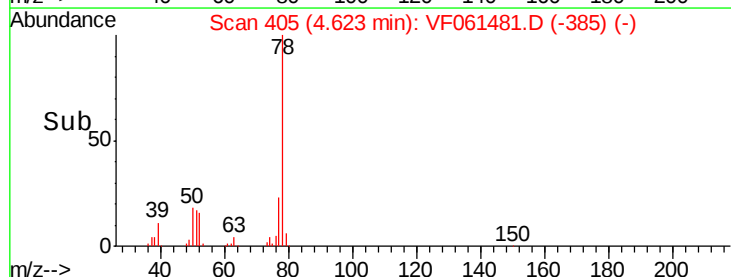
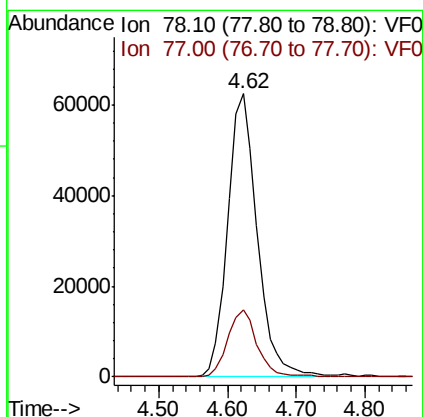
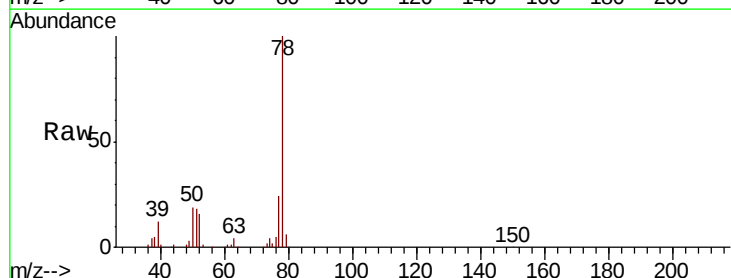
Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

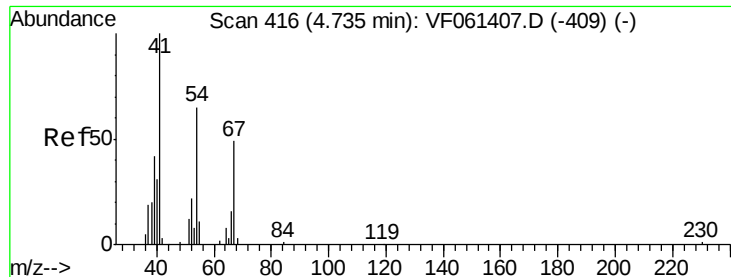
Tgt Ion: 83 Resp: 89046
Ion Ratio Lower Upper
83 100
55 91.7 67.4 101.2
98 46.0 36.7 55.1



#40
Benzene
Concen: 21.468 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

Tgt Ion: 78 Resp: 186308
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6





#41

Methacrylonitrile

Concen: 21.414 ug/l

RT: 4.74 min Scan# 417

Delta R.T. 0.01 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

Tgt Ion: 41 Resp: 17764

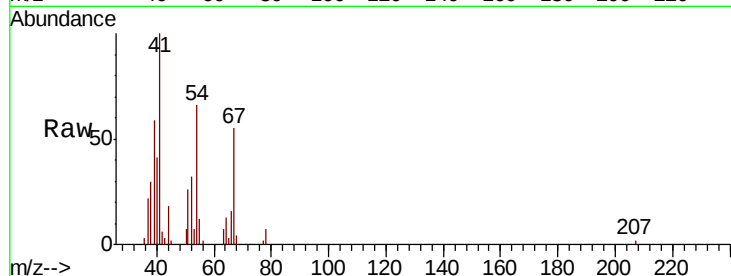
Ion Ratio Lower Upper

41 100

39 58.7 43.1 64.7

67 55.2 38.8 58.2

52 31.6 33.2 49.8#



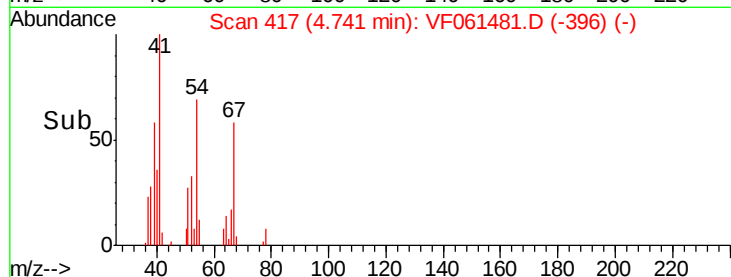
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Time-->



Abundance

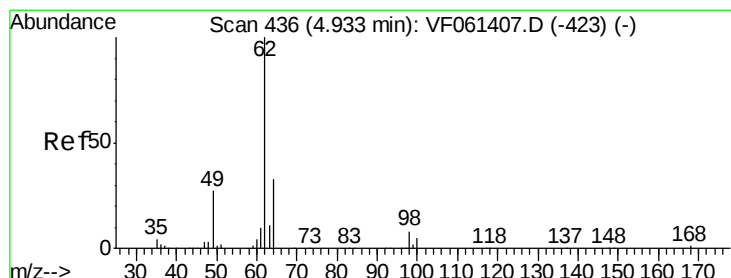
Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Time-->



#42

1,2-Dichloroethane

Concen: 18.718 ug/l

RT: 4.93 min Scan# 436

Delta R.T. -0.00 min

Lab File: VF061481.D

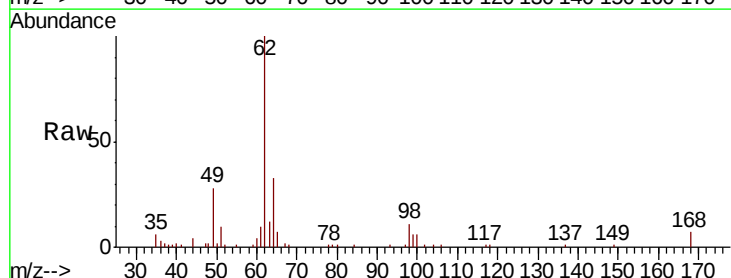
Acq: 23 Jan 2019 13:22

Tgt Ion: 62 Resp: 57885

Ion Ratio Lower Upper

62 100

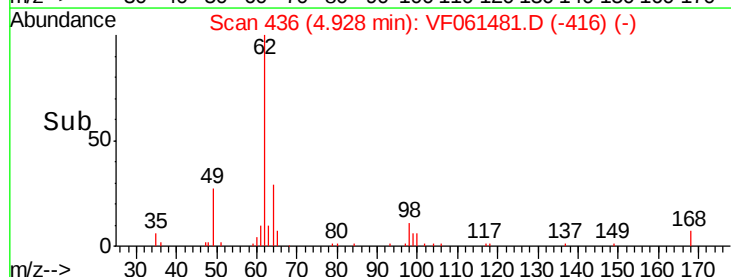
98 10.7 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Time-->

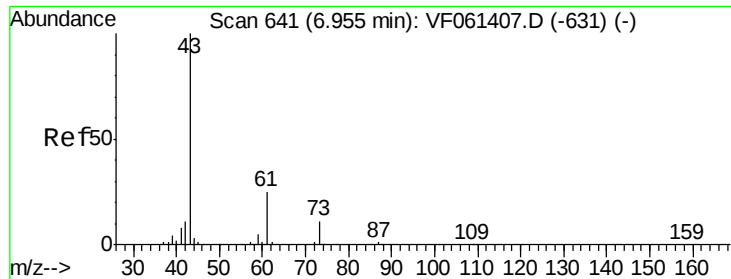


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Time-->



#43

Isopropyl Acetate

Concen: 21.131 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.01 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

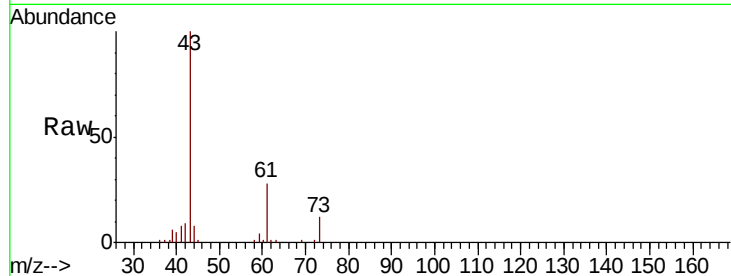
Tgt Ion: 43 Resp: 41347

Ion Ratio Lower Upper

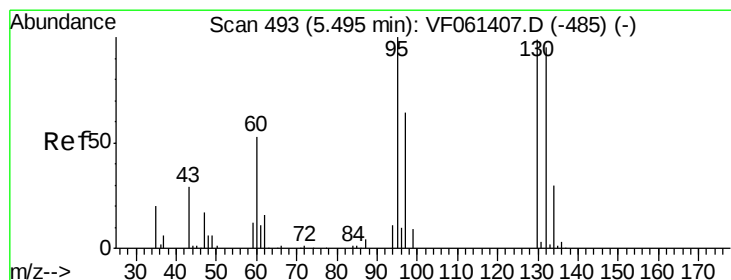
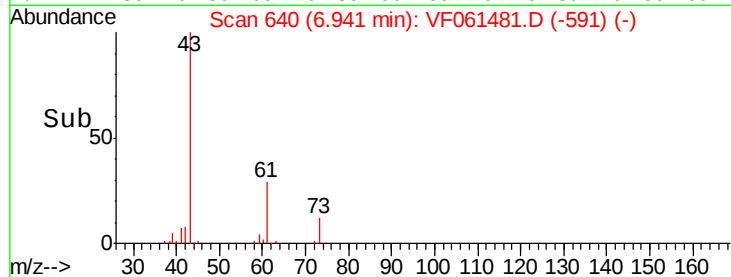
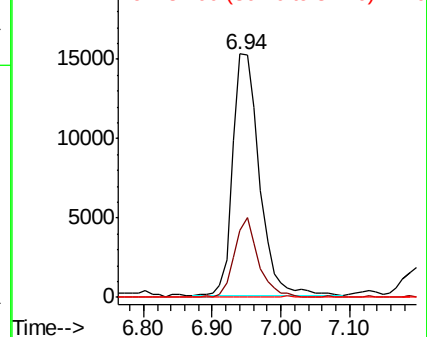
43 100

61 27.7 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: 21.952 ug/l

RT: 5.49 min Scan# 493

Delta R.T. -0.00 min

Lab File: VF061481.D

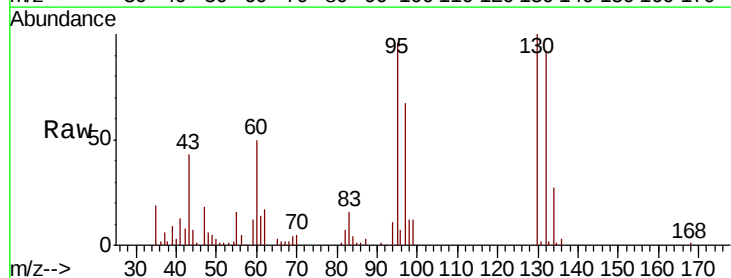
Acq: 23 Jan 2019 13:22

Tgt Ion:130 Resp: 58441

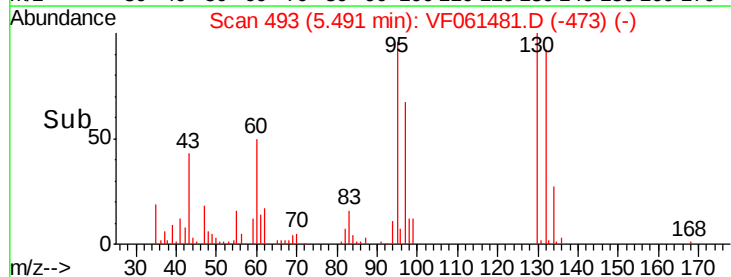
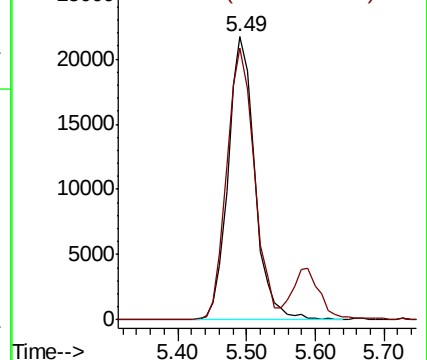
Ion Ratio Lower Upper

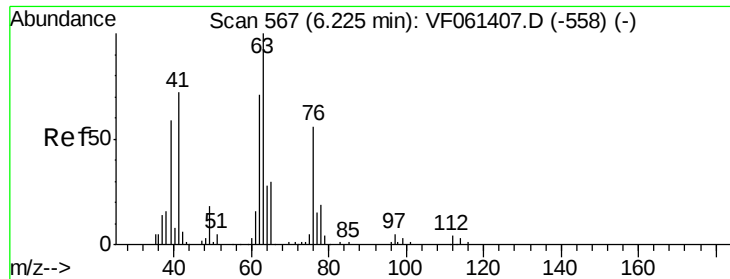
130 100

95 96.0 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: 21.334 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

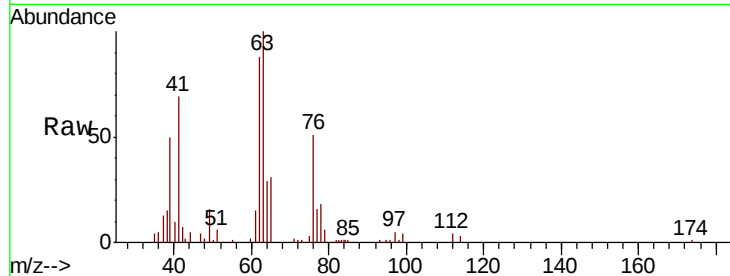
VF0123SBS01

Tgt Ion: 63 Resp: 48592

Ion Ratio Lower Upper

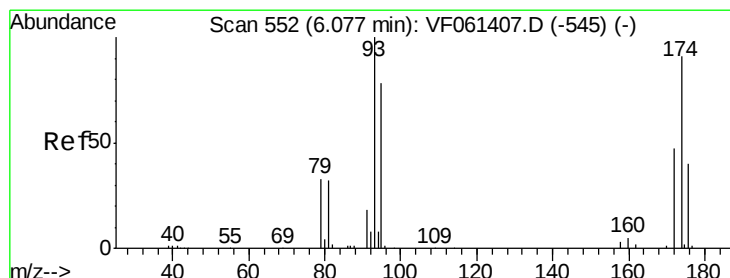
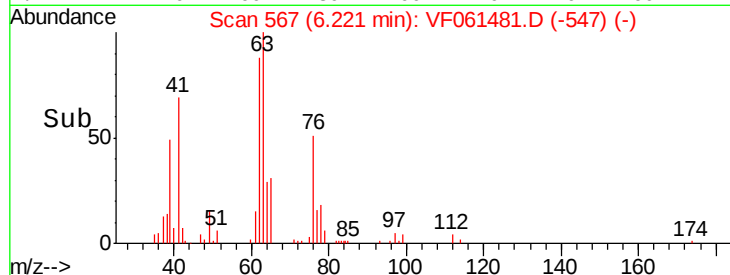
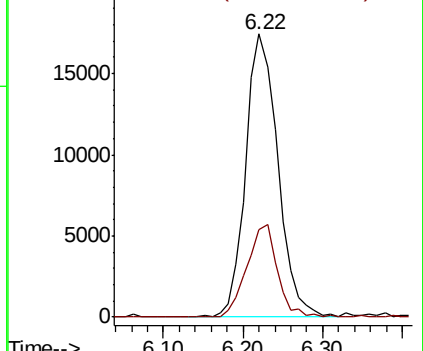
63 100

65 30.7 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 20.193 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

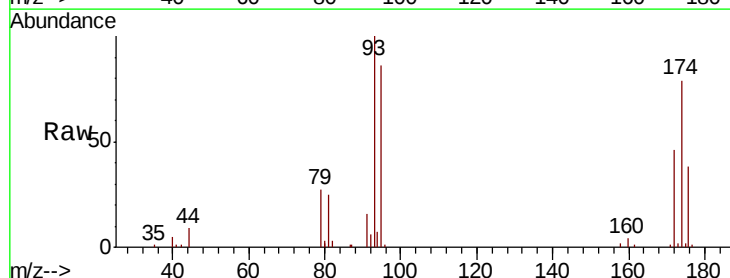
Tgt Ion: 93 Resp: 30583

Ion Ratio Lower Upper

93 100

95 85.8 62.1 93.1

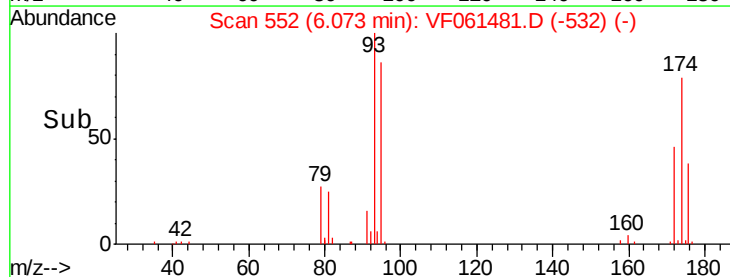
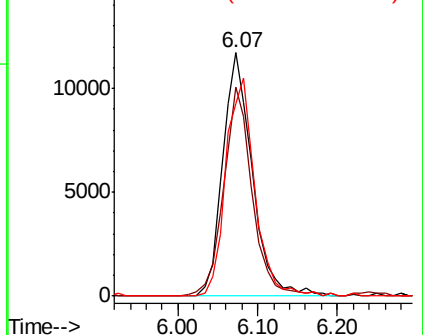
174 78.9 74.6 111.8



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





#47

Bromodichloromethane

Concen: 20.608 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

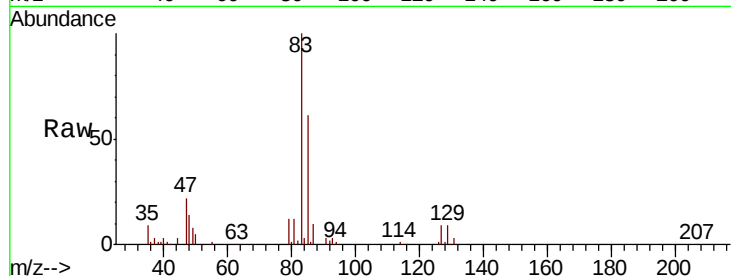
Tgt Ion: 83 Resp: 77222

Ion Ratio Lower Upper

83 100

85 60.9 53.0 79.4

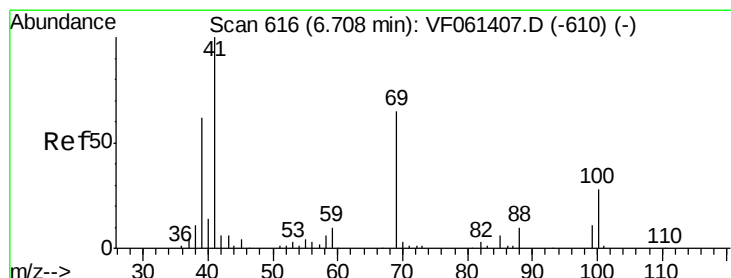
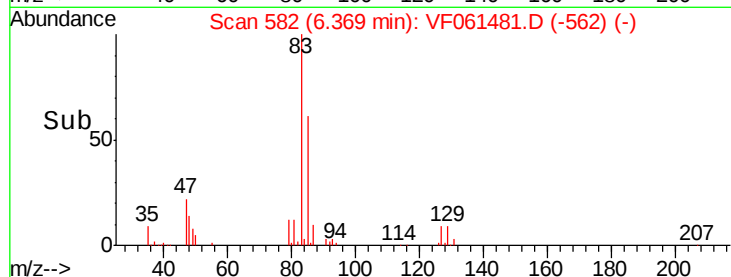
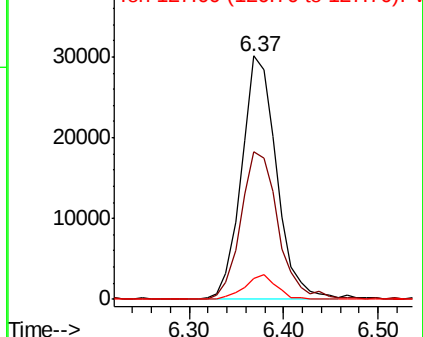
127 8.6 6.9 10.3



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: 20.953 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

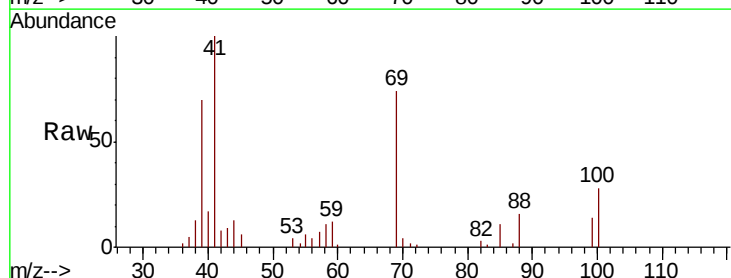
Tgt Ion: 41 Resp: 27530

Ion Ratio Lower Upper

41 100

69 74.2 51.7 77.5

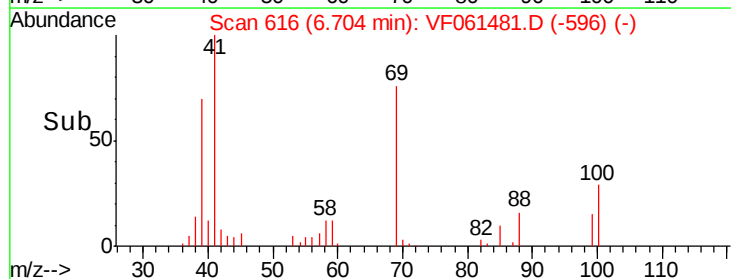
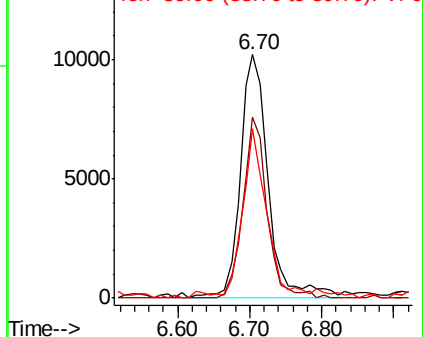
39 69.8 49.2 73.8

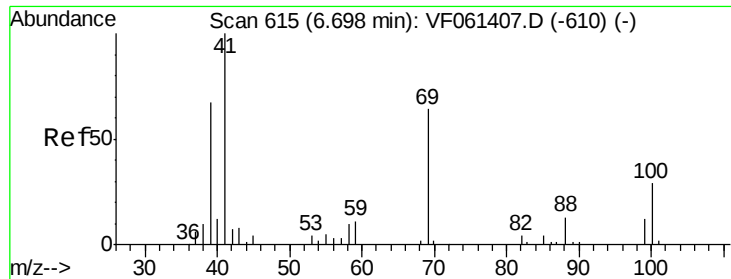


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

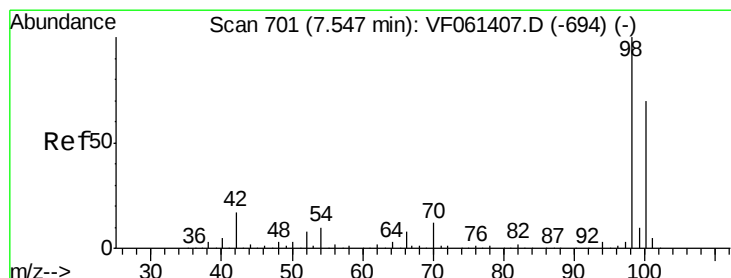
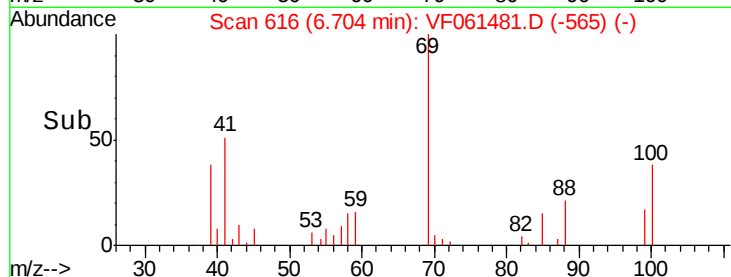
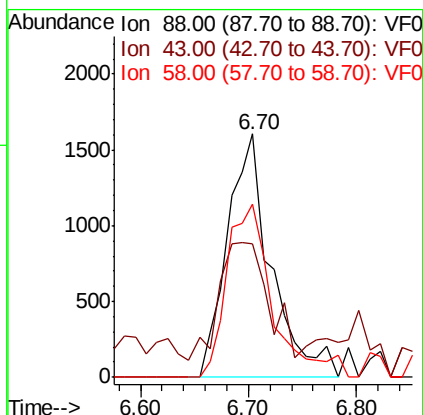
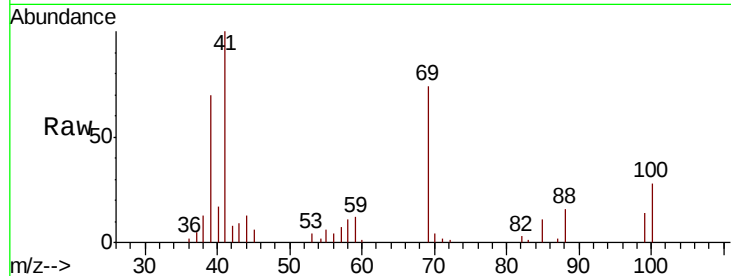




#49
1,4-Dioxane
Concen: 454.062 ug/l
RT: 6.70 min Scan# 616
Delta R.T. 0.01 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

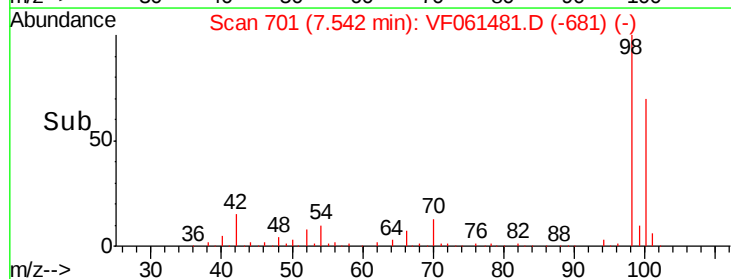
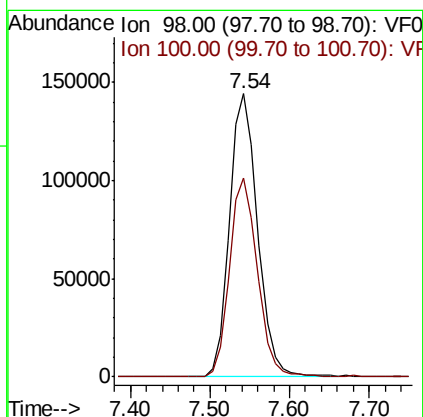
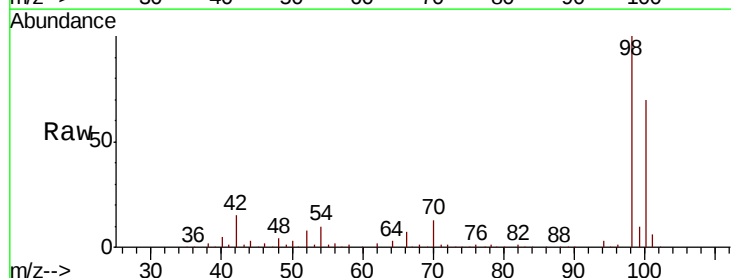
Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

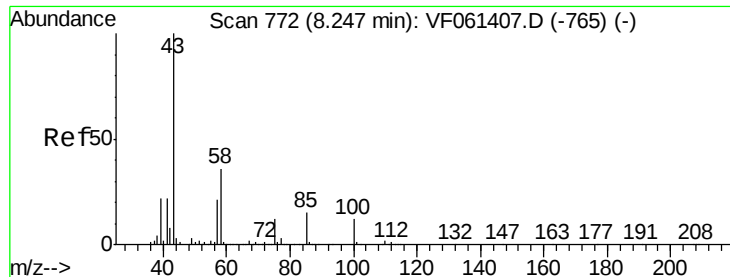
Tgt Ion: 88 Resp: 4512
Ion Ratio Lower Upper
88 100
43 54.6 55.5 83.3#
58 71.3 59.9 89.9



#50
Toluene-d8
Concen: 48.934 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

Tgt Ion: 98 Resp: 355860
Ion Ratio Lower Upper
98 100
100 70.4 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 112.871 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

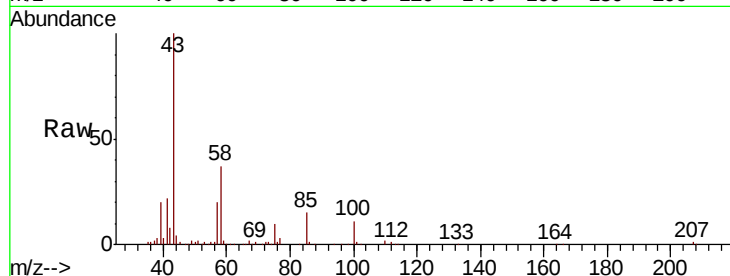
VF0123SBS01

Tgt Ion: 43 Resp: 162360

Ion Ratio Lower Upper

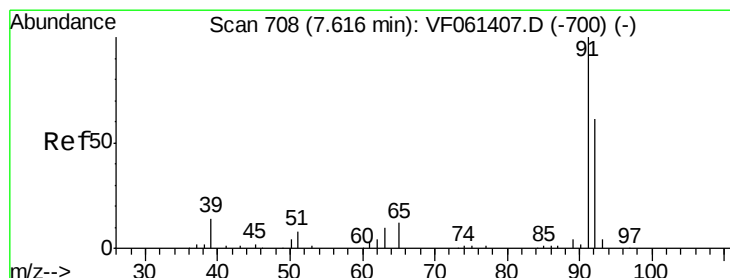
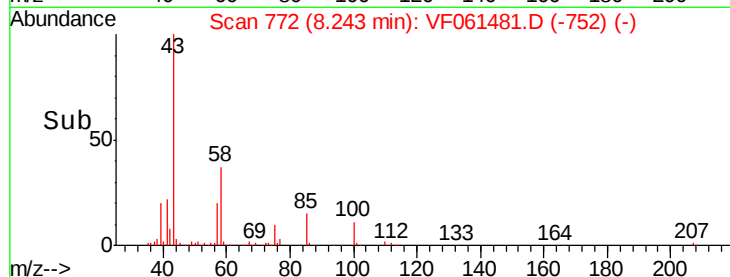
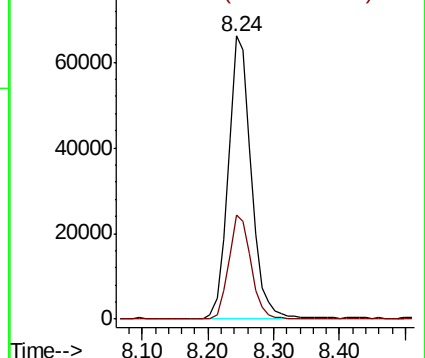
43 100

58 36.8 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.214 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.00 min

Lab File: VF061481.D

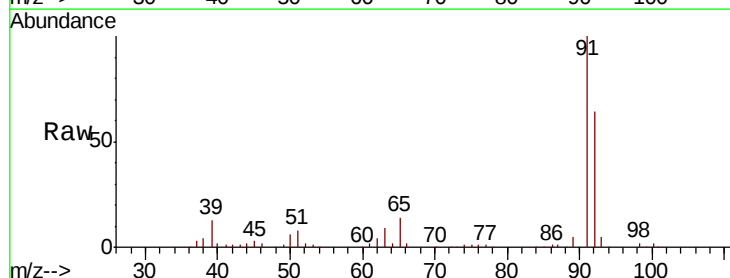
Acq: 23 Jan 2019 13:22

Tgt Ion: 92 Resp: 115526

Ion Ratio Lower Upper

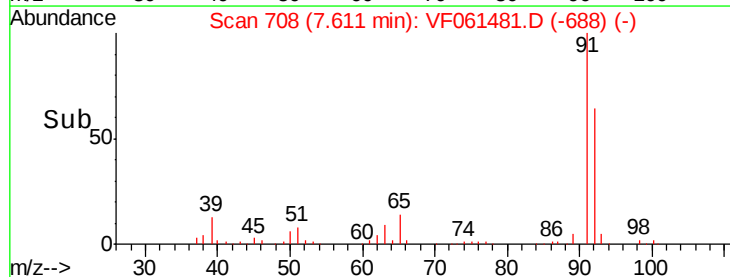
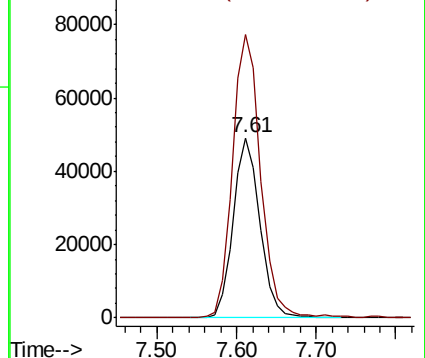
92 100

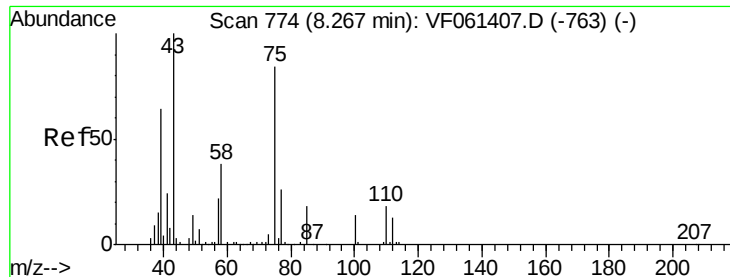
91 157.3 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.735 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

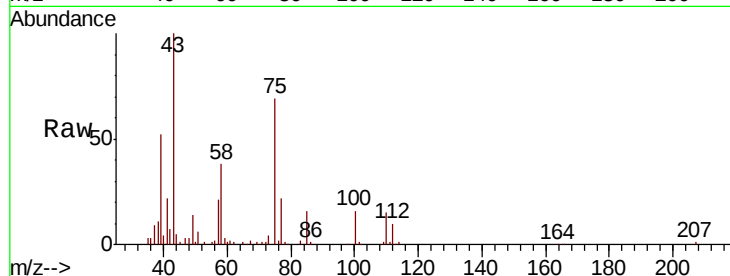
VF0123SBSD01

Tgt Ion: 75 Resp: 61698

Ion Ratio Lower Upper

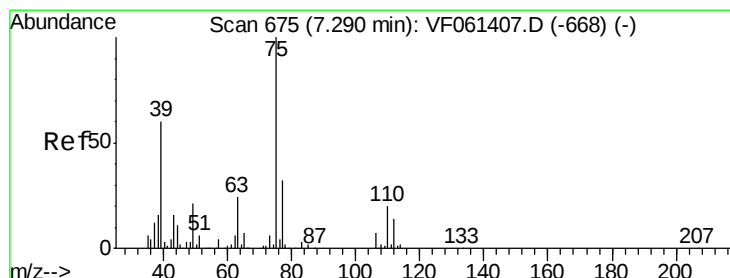
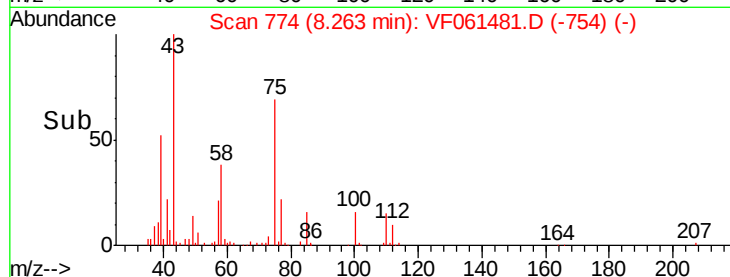
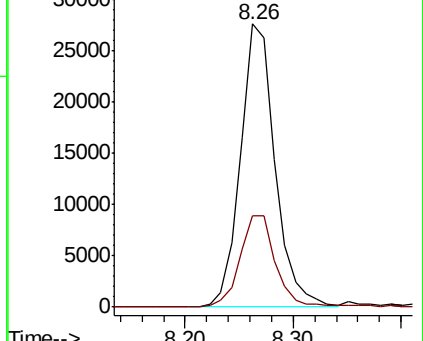
75 100

77 32.3 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 21.366 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

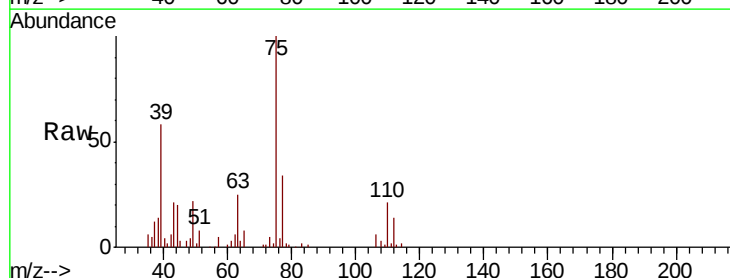
Tgt Ion: 75 Resp: 79466

Ion Ratio Lower Upper

75 100

77 34.0 25.4 38.0

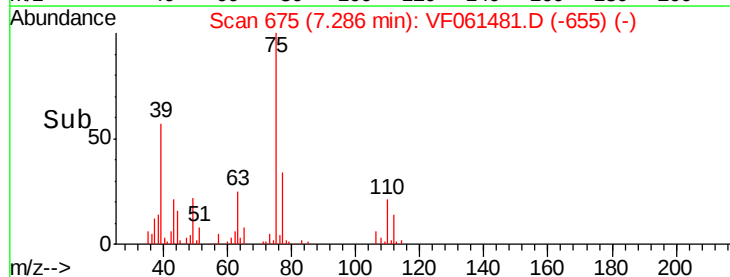
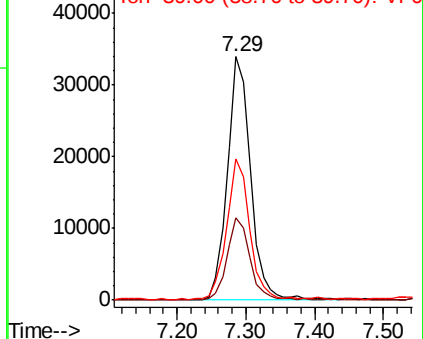
39 57.8 47.8 71.8

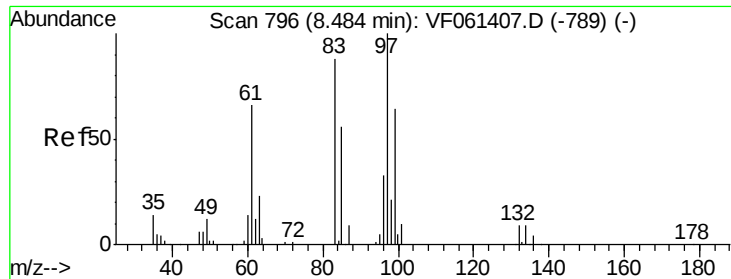


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 21.375 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

Tgt Ion: 97 Resp: 34690

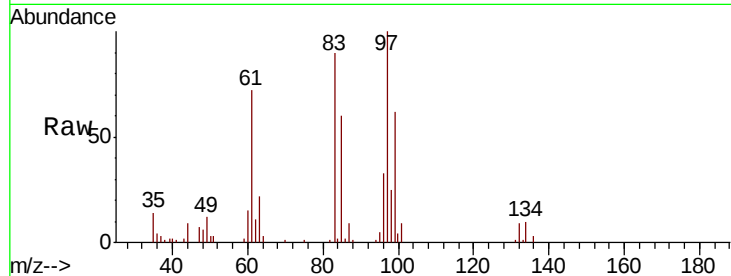
Ion Ratio Lower Upper

97 100

83 90.1 70.4 105.6

85 60.2 44.7 67.1

99 62.3 50.8 76.2

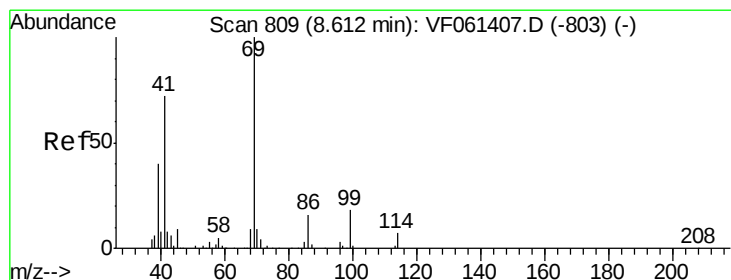
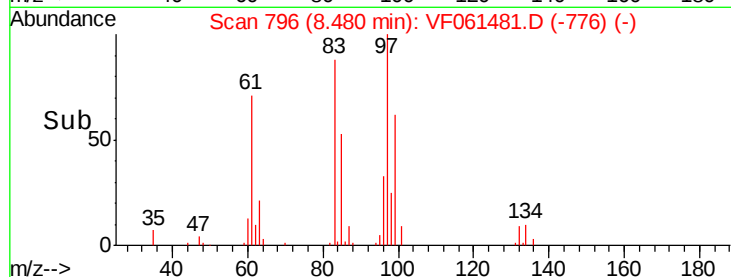
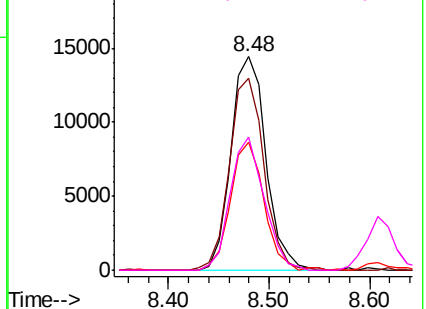


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.145 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

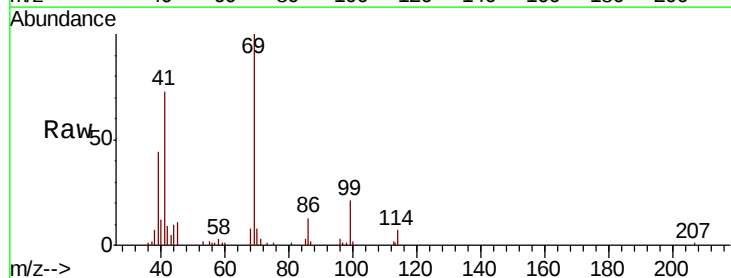
Tgt Ion: 69 Resp: 36149

Ion Ratio Lower Upper

69 100

41 73.1 57.5 86.3

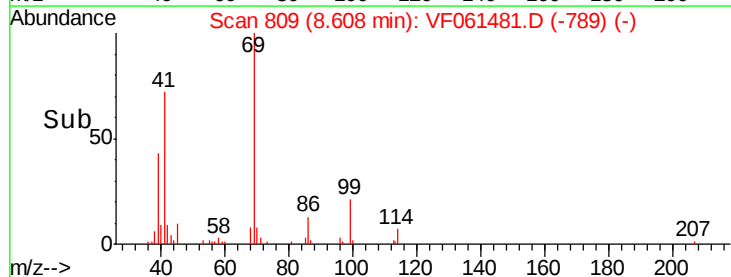
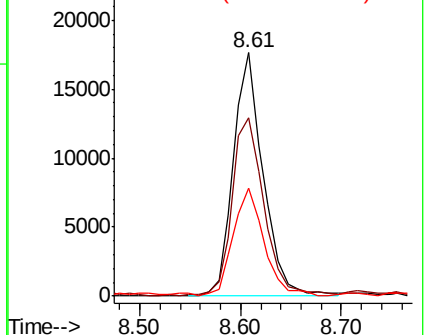
39 44.5 32.0 48.0

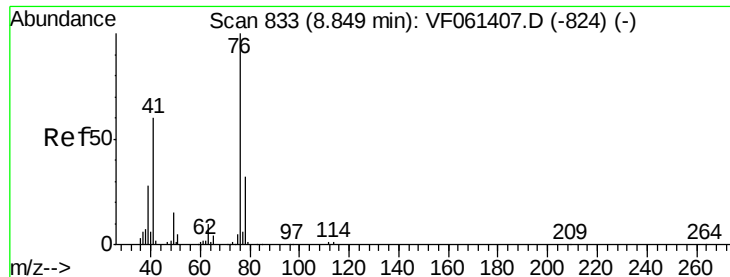


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

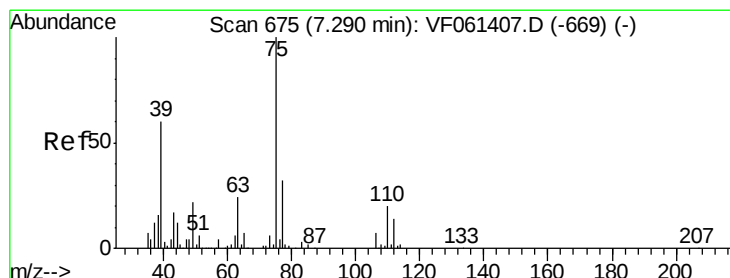
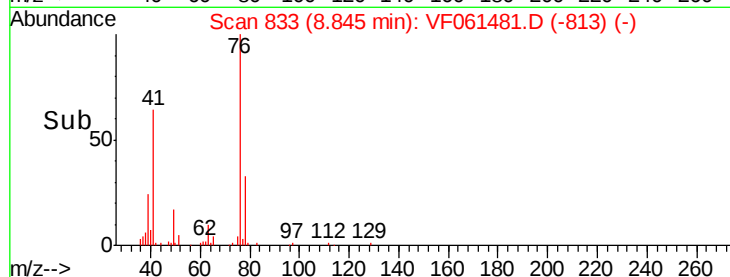
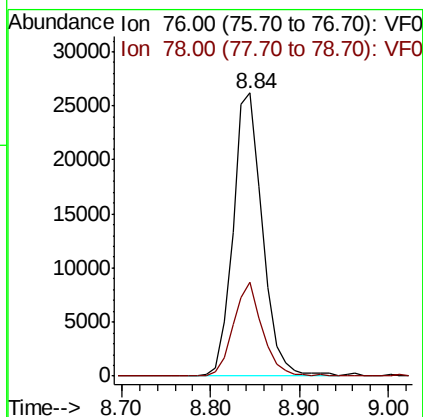
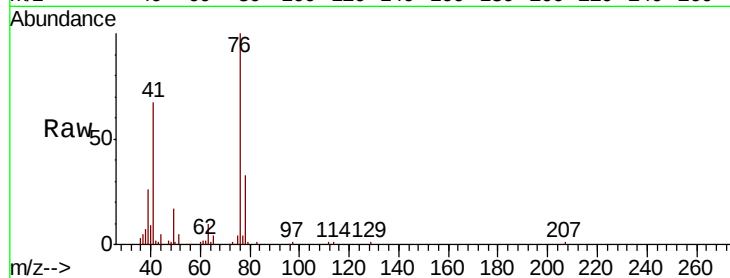




#57
 1,3-Dichloropropane
 Concen: 19.819 ug/l
 RT: 8.84 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

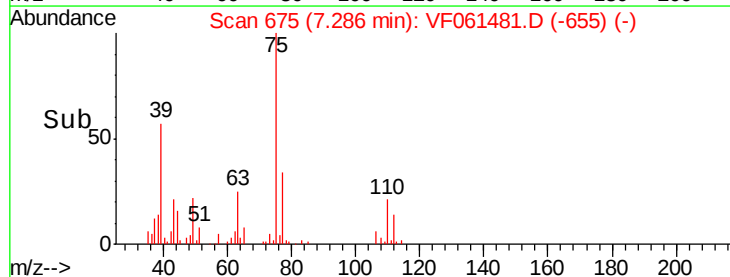
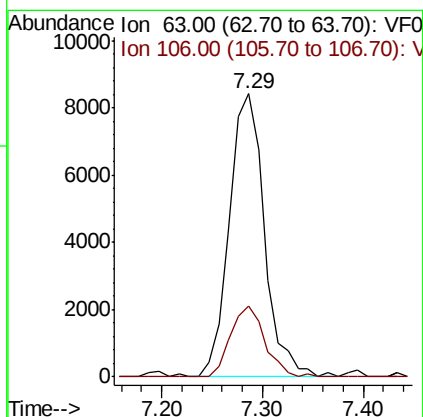
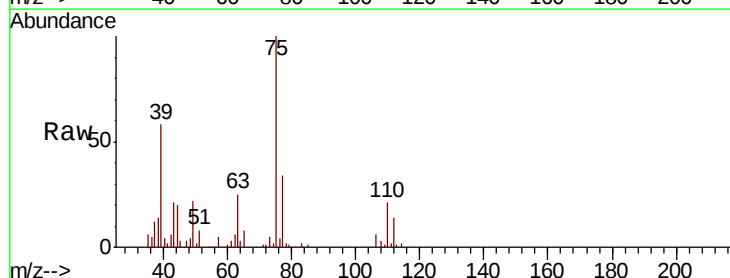
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

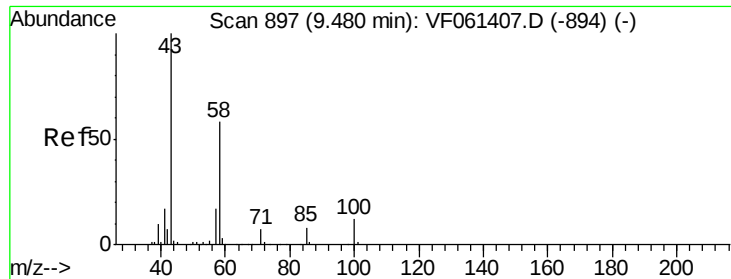
Tgt Ion: 76 Resp: 60289
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 119.349 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

Tgt Ion: 63 Resp: 20431
 Ion Ratio Lower Upper
 63 100
 106 25.0 21.9 32.9

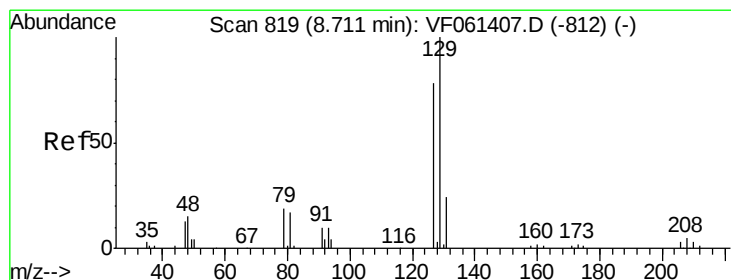
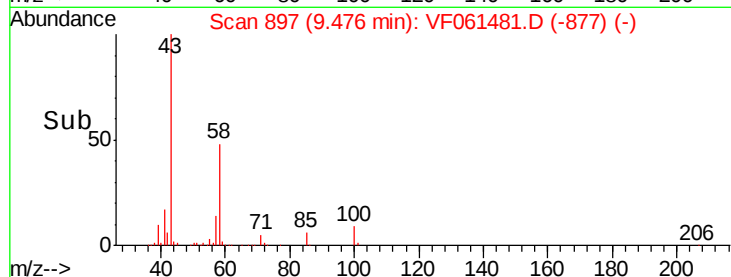
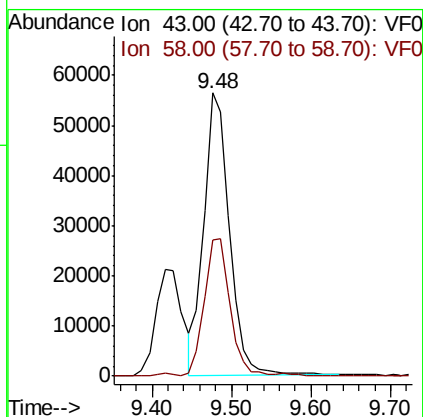
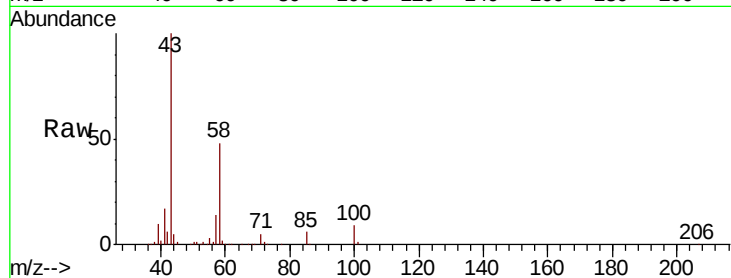




#59
2-Hexanone
Concen: 125.551 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

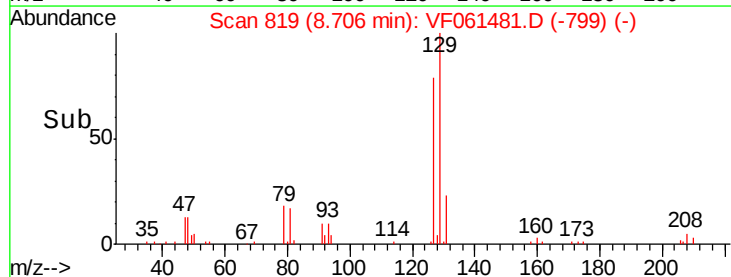
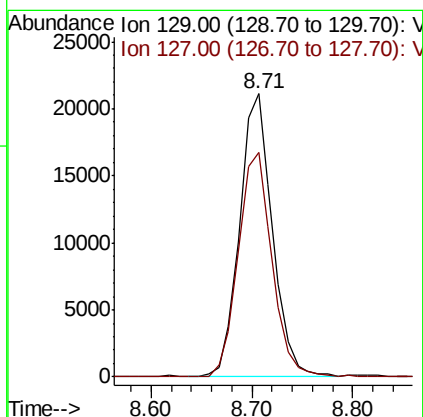
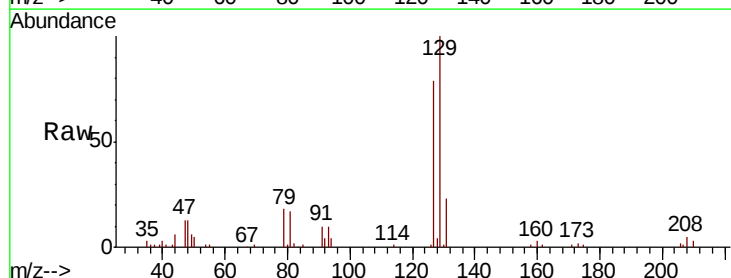
Instrument :
MSVOA_F
ClientSampleId :
VF0123SBSD01

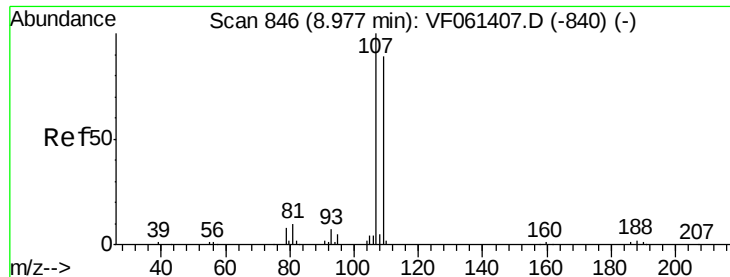
Tgt Ion: 43 Resp: 125935
Ion Ratio Lower Upper
43 100
58 48.3 25.9 77.6



#60
Dibromochloromethane
Concen: 20.140 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

Tgt Ion: 129 Resp: 47784
Ion Ratio Lower Upper
129 100
127 79.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.433 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

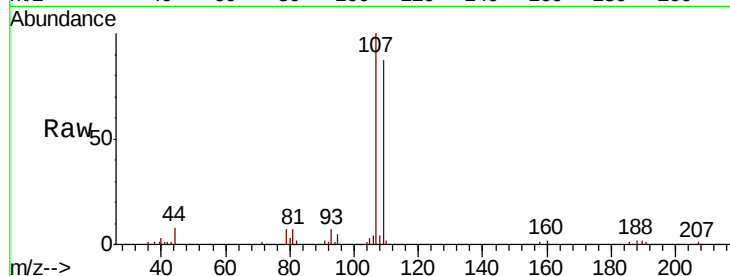
VF0123SBS01

Tgt Ion: 107 Resp: 37962

Ion Ratio Lower Upper

107 100

109 87.1 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.97

15000

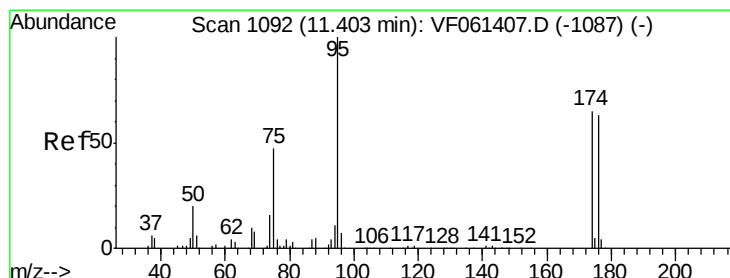
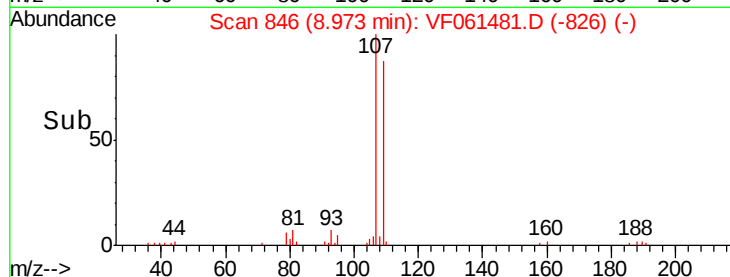
10000

5000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 44.342 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

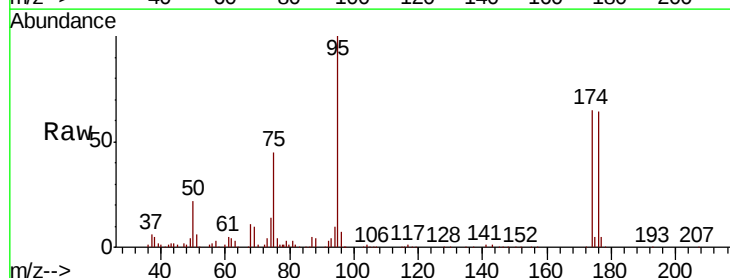
Tgt Ion: 95 Resp: 150665

Ion Ratio Lower Upper

95 100

174 64.6 0.0 130.4

176 63.5 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.40

120000

100000

80000

60000

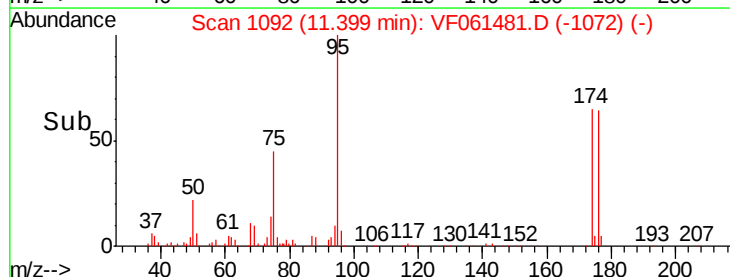
40000

20000

0

Time-->

11.30 11.40 11.50 11.60

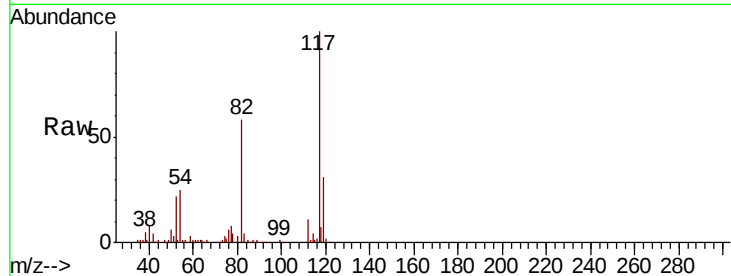




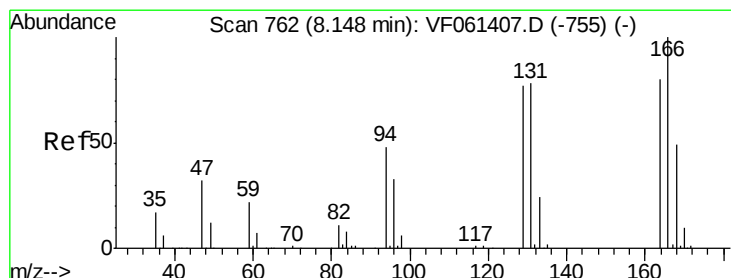
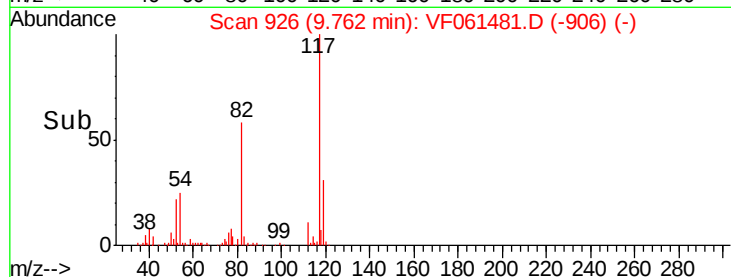
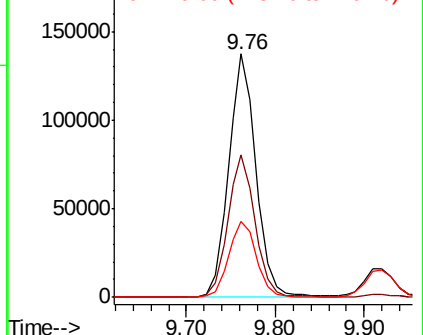
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

Tgt Ion:117 Resp: 295842
Ion Ratio Lower Upper
117 100
82 58.5 46.4 69.6
119 31.2 27.2 40.8

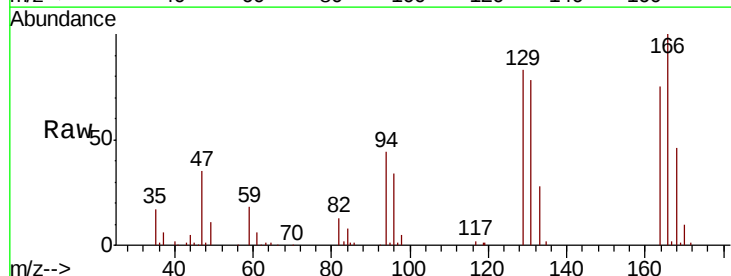


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

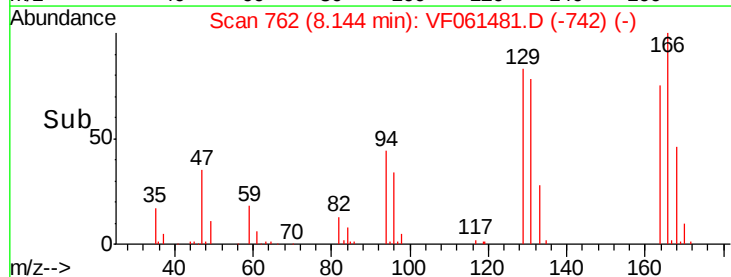
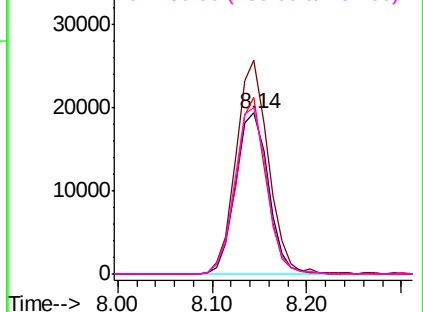


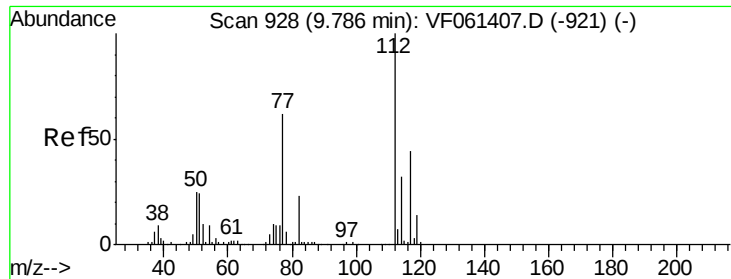
#64
Tetrachloroethene
Concen: 20.967 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

Tgt Ion:164 Resp: 46647
Ion Ratio Lower Upper
164 100
166 132.9 99.6 149.4
129 110.3 76.4 114.6
131 103.4 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: 21.470 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

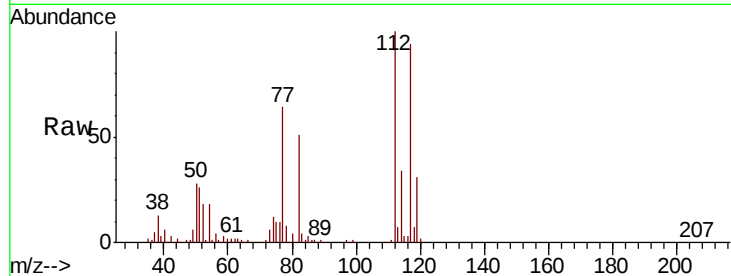
VF0123SBS01

Tgt Ion:112 Resp: 129165

Ion Ratio Lower Upper

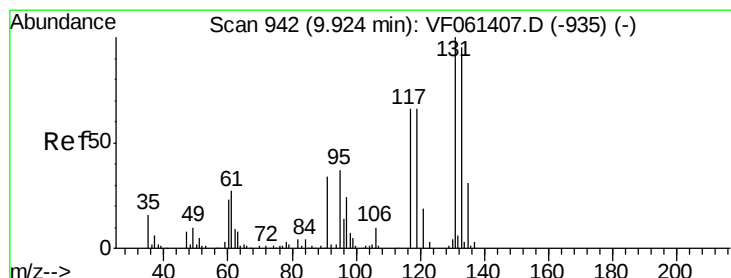
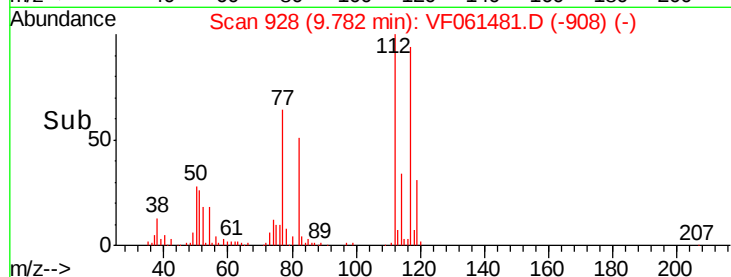
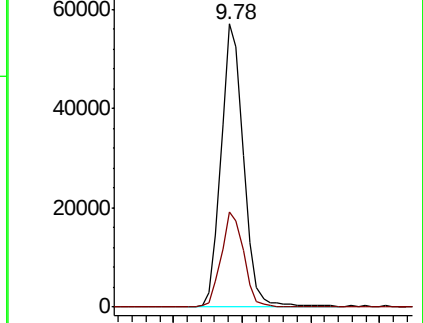
112 100

114 33.8 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: 21.668 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

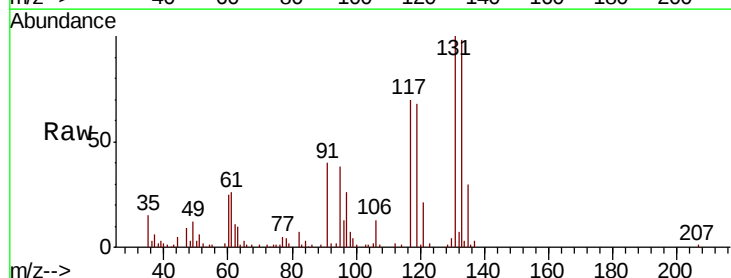
Tgt Ion:131 Resp: 51929

Ion Ratio Lower Upper

131 100

133 97.6 47.4 142.2

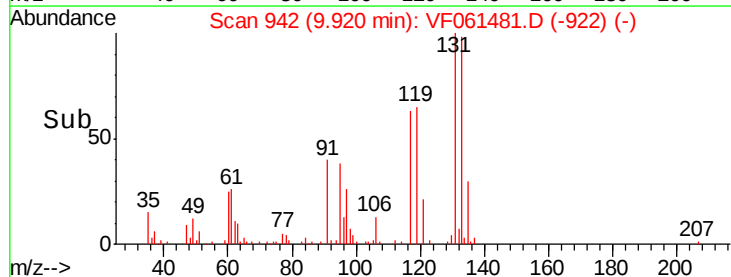
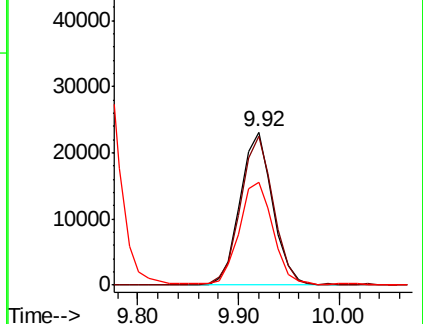
119 67.5 33.1 99.3

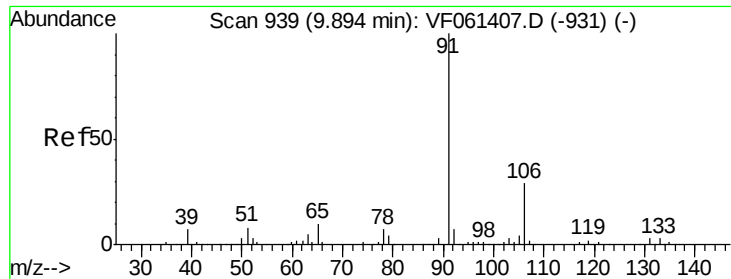


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

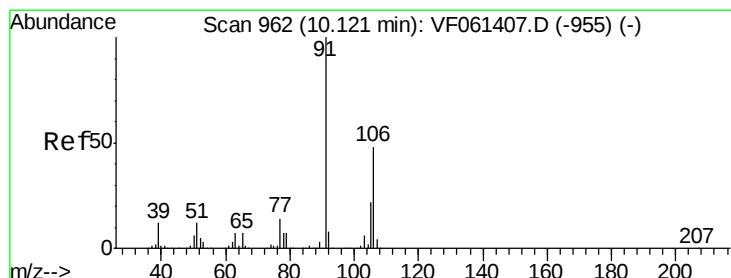
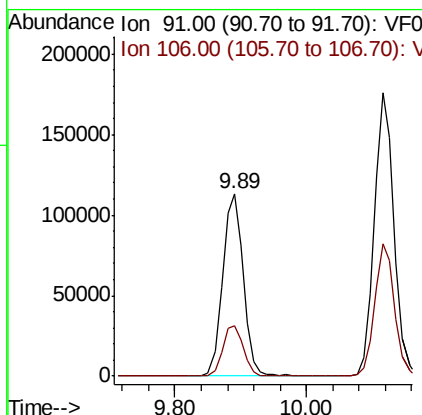
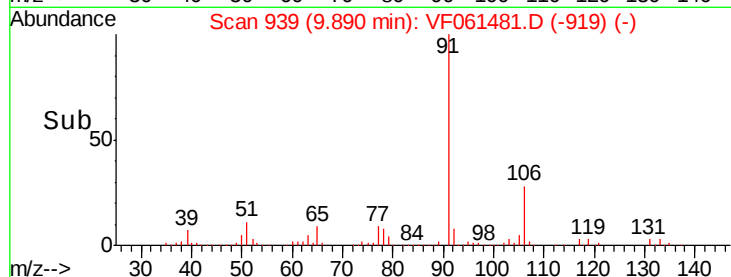
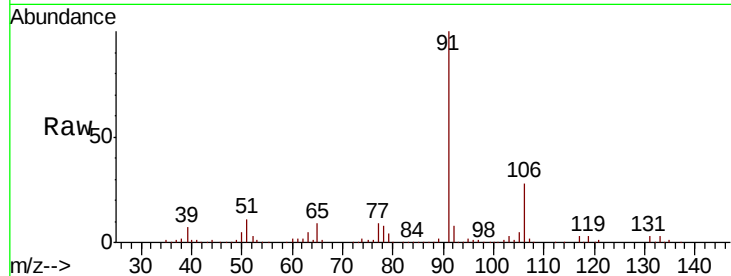




#67
Ethyl Benzene
Concen: 22.643 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

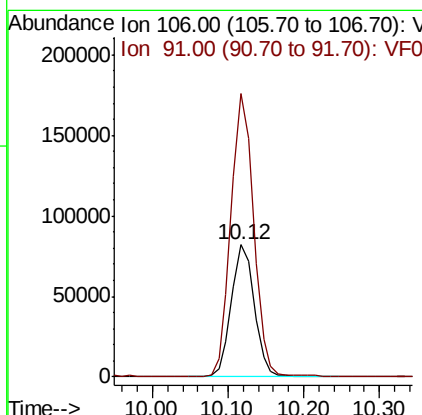
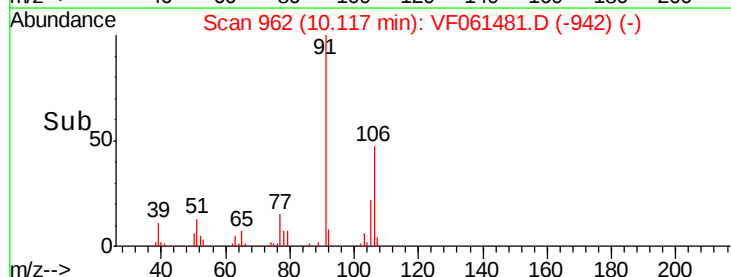
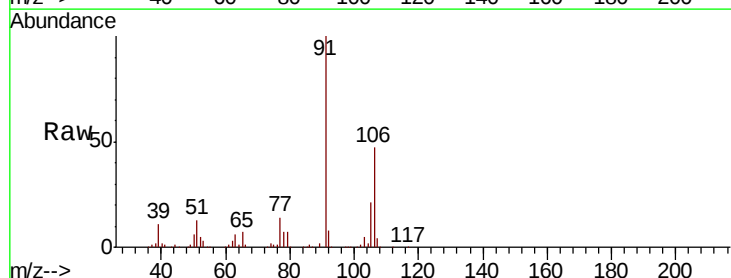
Instrument :
MSVOA_F
ClientSampleId :
VF0123SBSD01

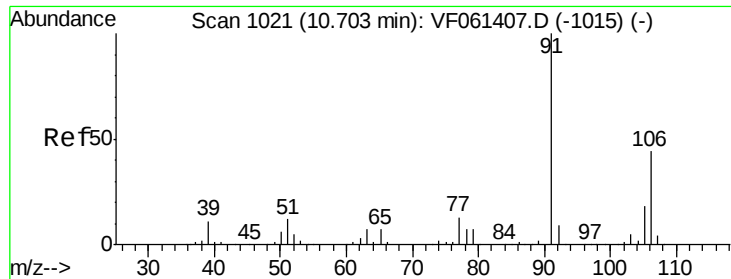
Tgt Ion: 91 Resp: 248884
Ion Ratio Lower Upper
91 100
106 27.5 23.1 34.7



#68
m/p-Xylenes
Concen: 44.021 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

Tgt Ion: 106 Resp: 174033
Ion Ratio Lower Upper
106 100
91 214.6 166.2 249.4

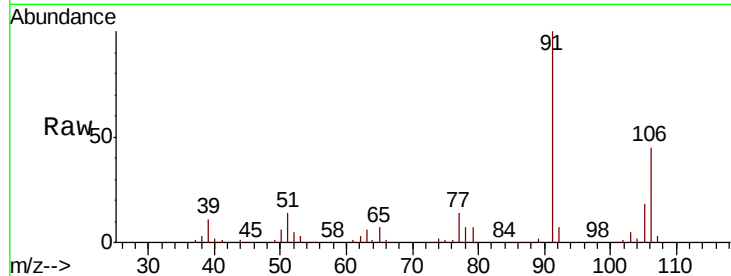




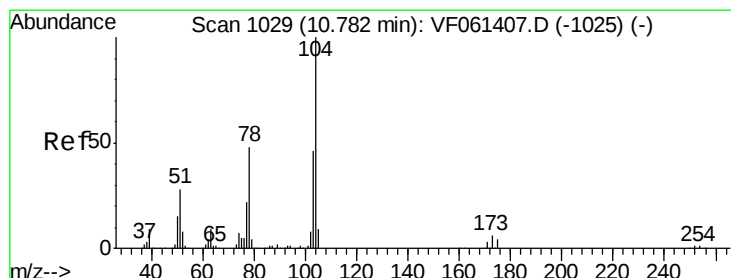
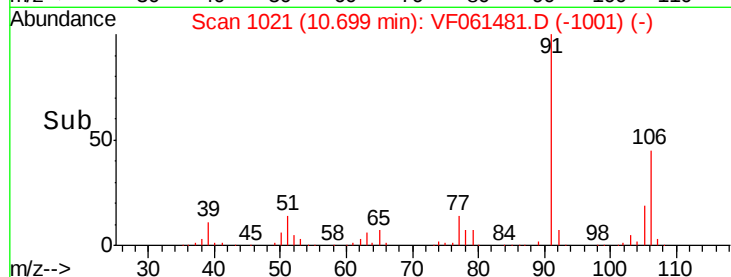
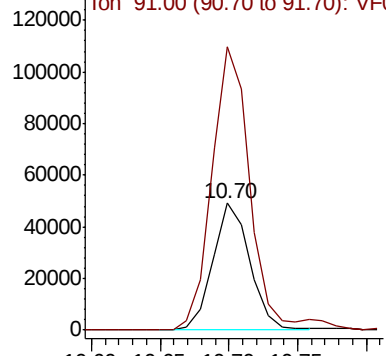
#69
o-Xylene
Concen: 21.517 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0123SBSD01

Tgt Ion:106 Resp: 92196
Ion Ratio Lower Upper
106 100
91 223.3 113.3 339.8

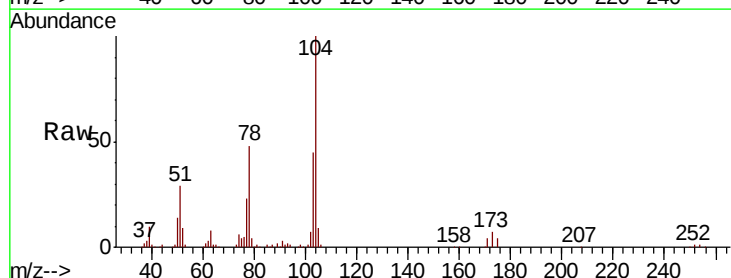


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

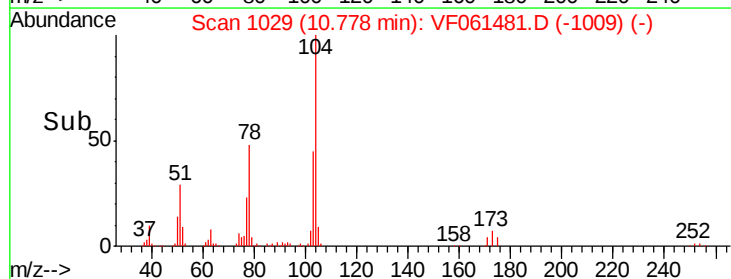
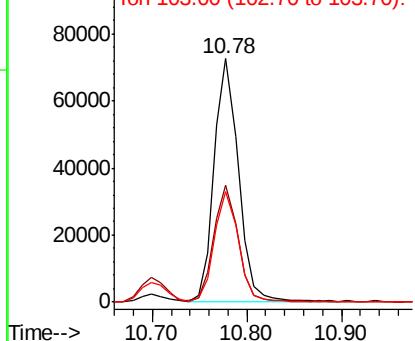


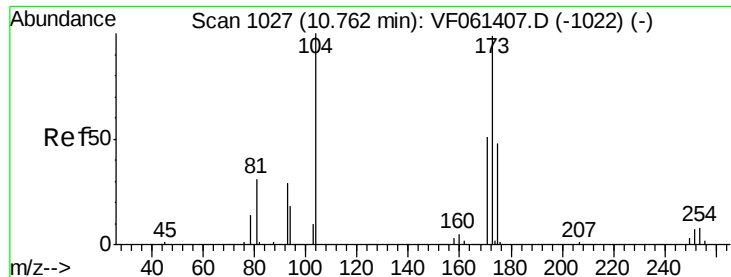
#70
Styrene
Concen: 22.158 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

Tgt Ion:104 Resp: 129958
Ion Ratio Lower Upper
104 100
78 48.2 38.8 58.2
103 45.5 37.0 55.6



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





#71

Bromoform

Concen: 21.645 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBSD01

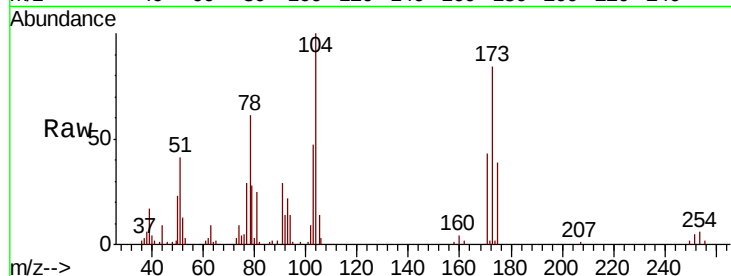
Tgt Ion:173 Resp: 23308

Ion Ratio Lower Upper

173 100

175 45.7 24.1 72.4

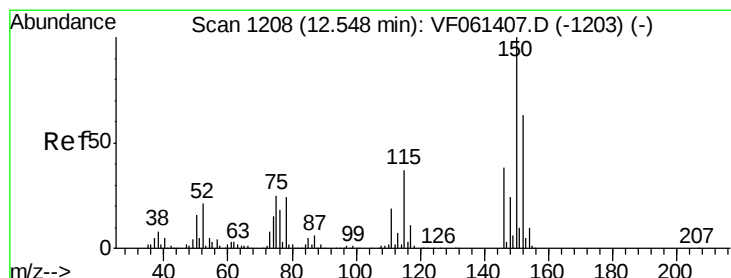
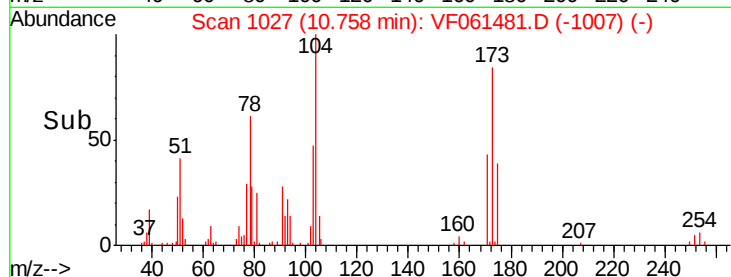
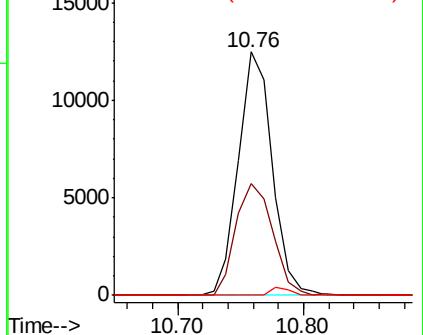
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

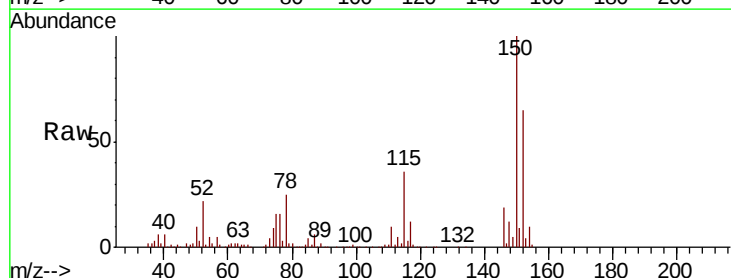
Tgt Ion:152 Resp: 147235

Ion Ratio Lower Upper

152 100

115 56.2 30.0 90.0

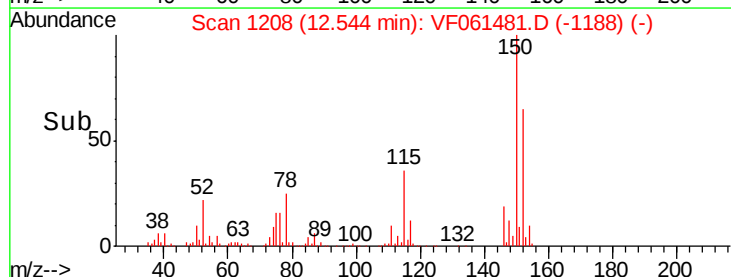
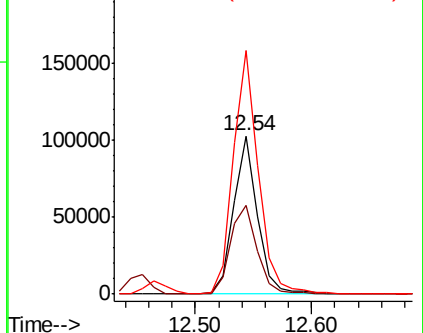
150 153.9 0.0 321.4

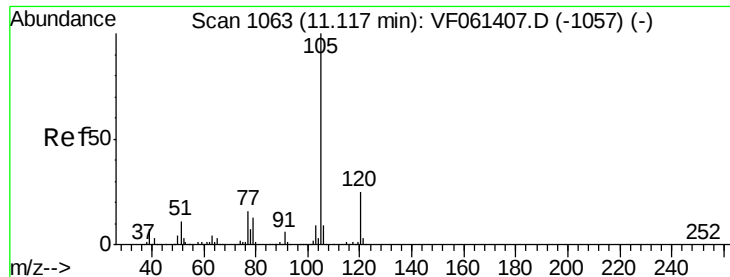


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 24.063 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

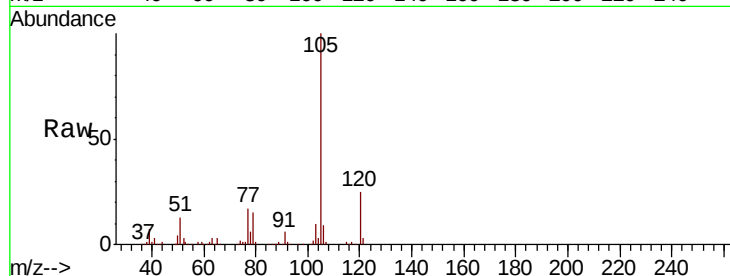
VF0123SBS01

Tgt Ion:105 Resp: 288154

Ion Ratio Lower Upper

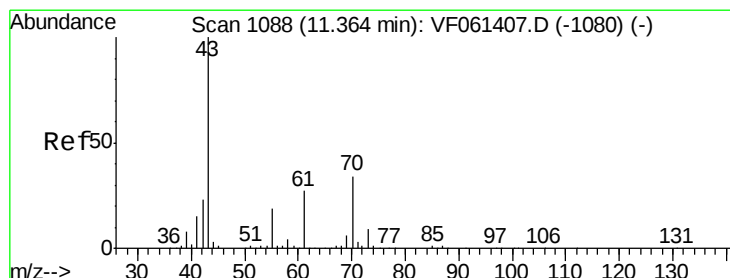
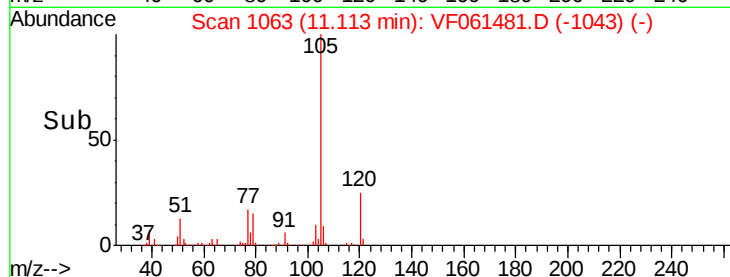
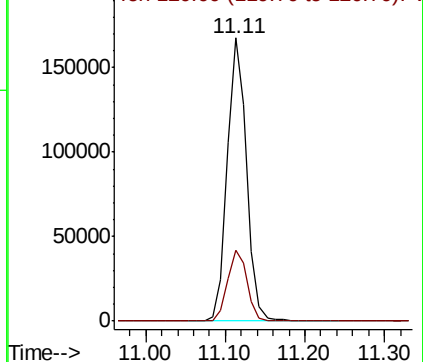
105 100

120 25.2 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 25.442 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Tgt Ion: 43 Resp: 72043

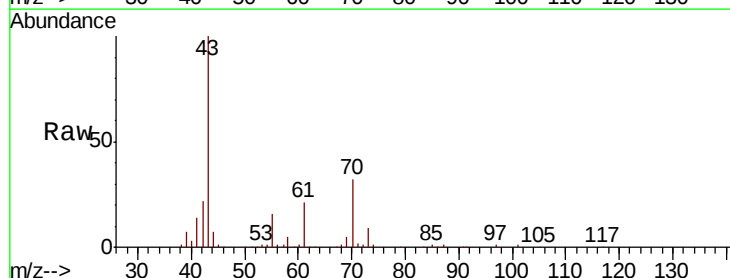
Ion Ratio Lower Upper

43 100

70 31.9 27.6 41.4

55 15.7 15.4 23.2

61 21.3 21.8 32.6#

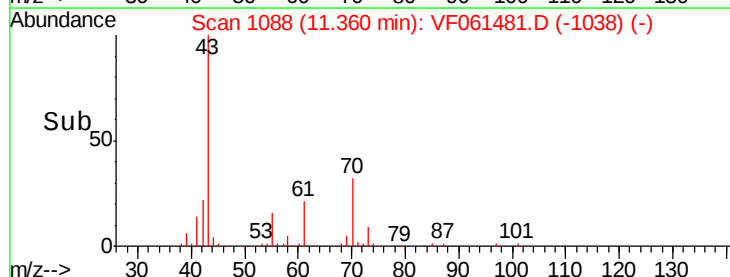
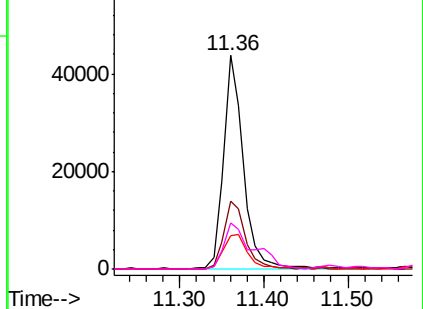


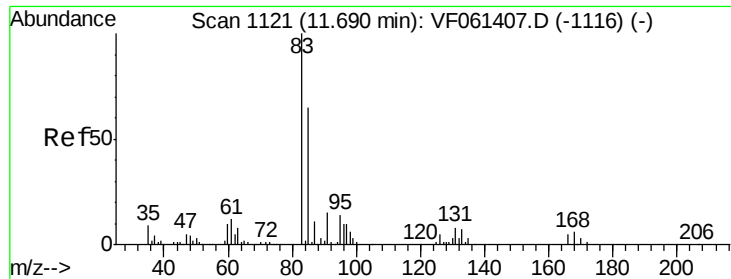
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

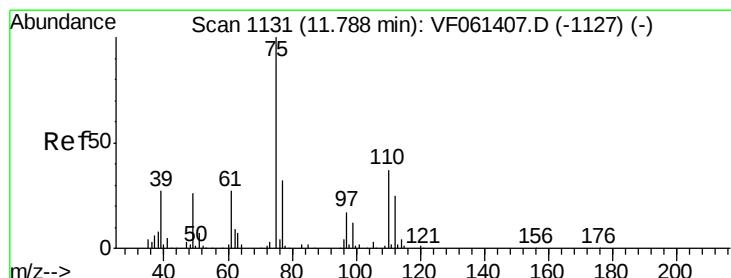
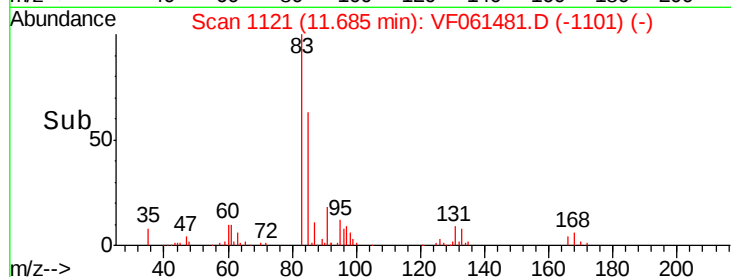
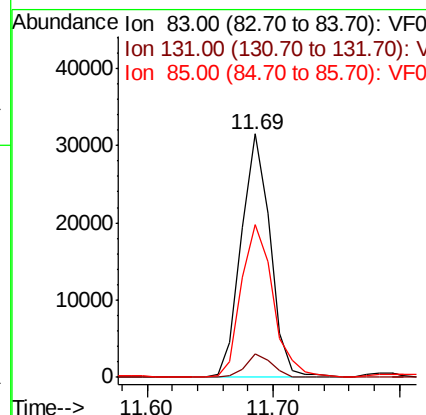
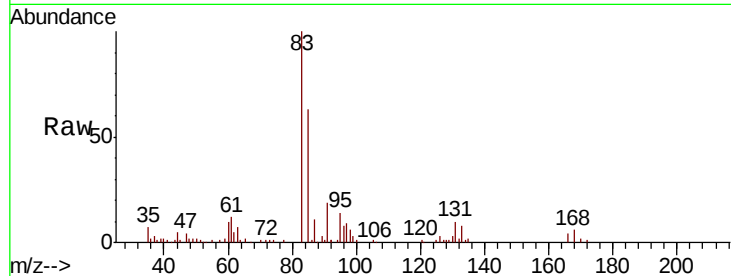




#75
 1,1,2,2-Tetrachloroethane
 Concen: 23.379 ug/l
 RT: 11.69 min Scan# 1121
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

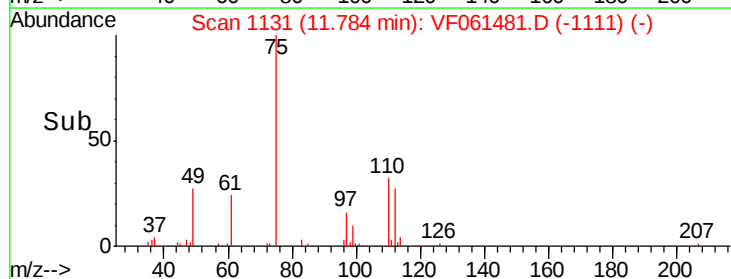
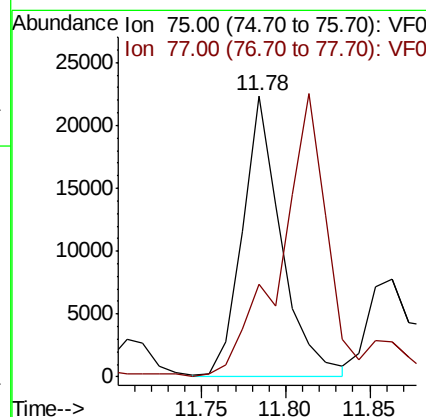
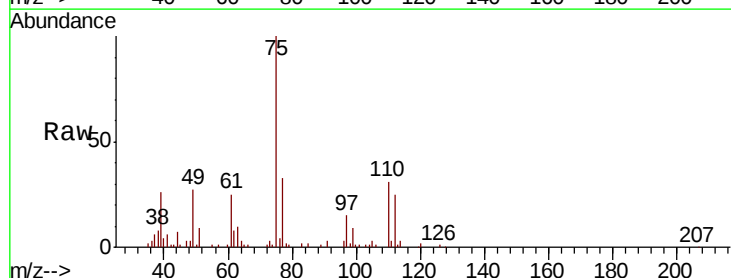
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

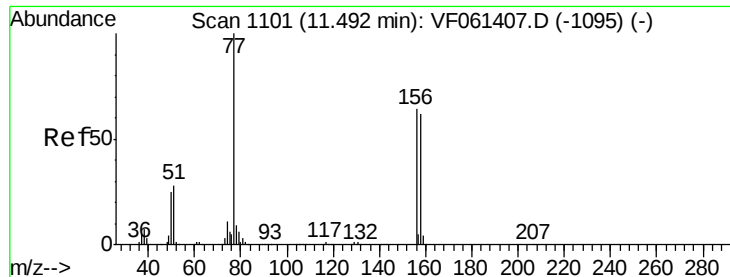
Tgt Ion: 83 Resp: 49874
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.0 12.2
 85 62.8 32.7 98.1



#76
 1,2,3-Trichloropropane
 Concen: 23.202 ug/l
 RT: 11.78 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

Tgt Ion: 75 Resp: 35565
 Ion Ratio Lower Upper
 75 100
 77 32.8 16.1 48.3





#77

Bromobenzene

Concen: 22.017 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

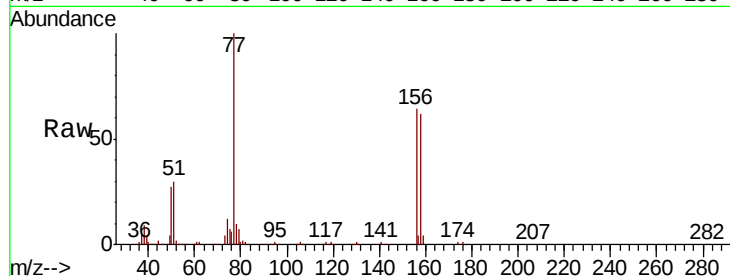
Tgt Ion:156 Resp: 55680

Ion Ratio Lower Upper

156 100

77 156.6 78.3 234.9

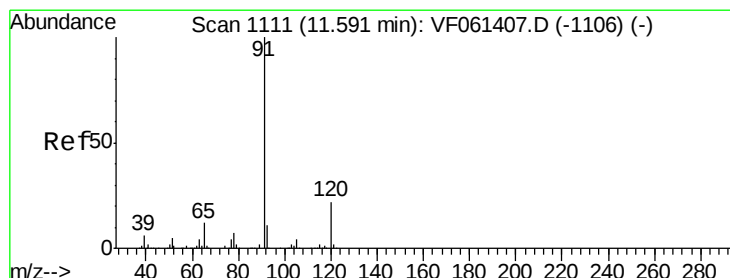
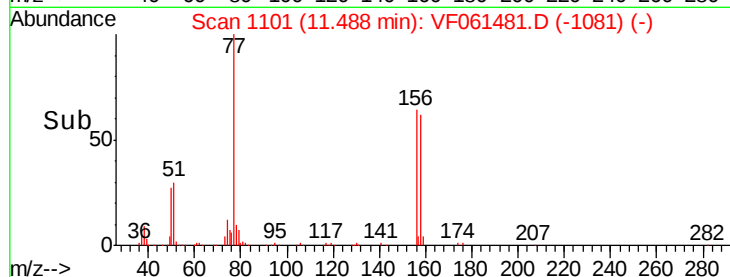
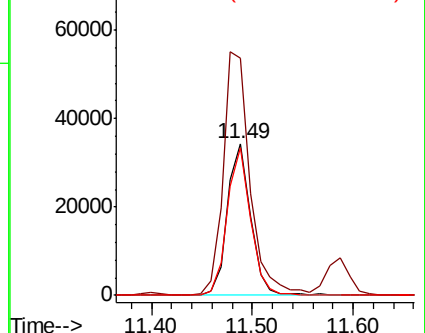
158 97.2 48.9 146.7



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: 21.743 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061481.D

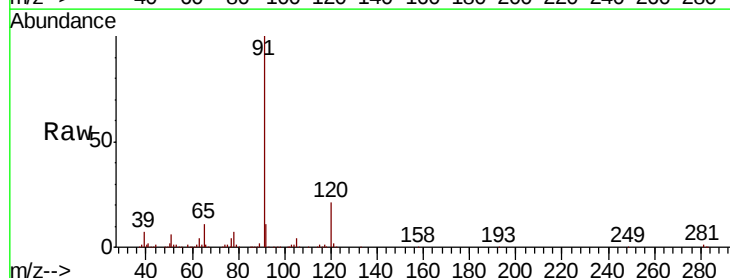
Acq: 23 Jan 2019 13:22

Tgt Ion: 91 Resp: 338176

Ion Ratio Lower Upper

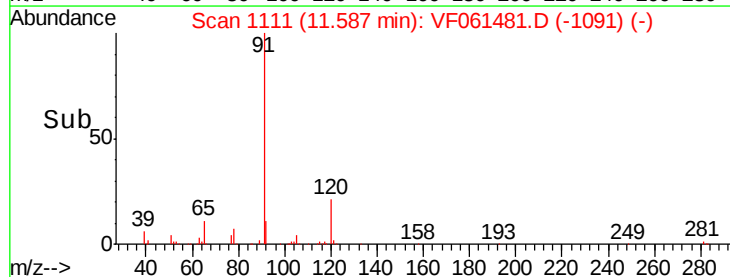
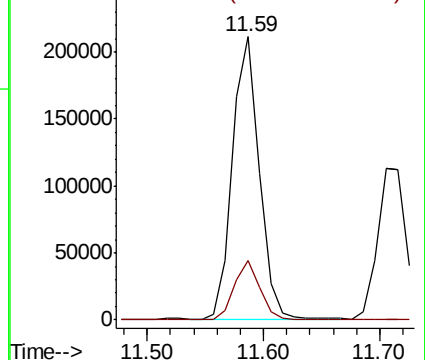
91 100

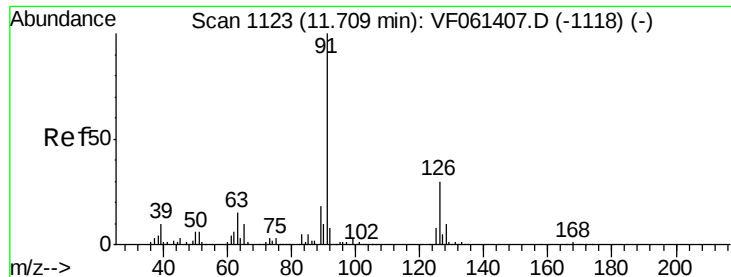
120 21.0 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.117 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

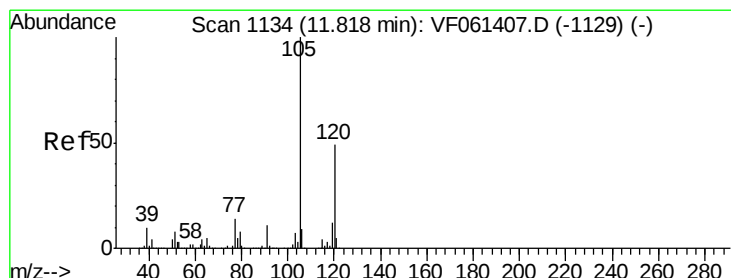
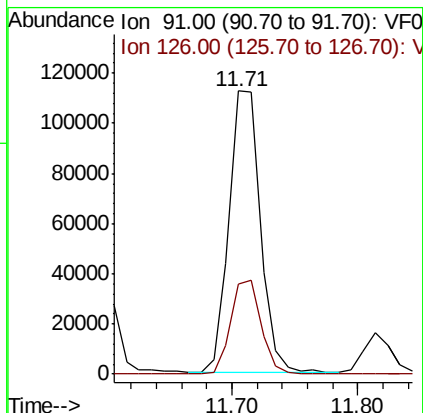
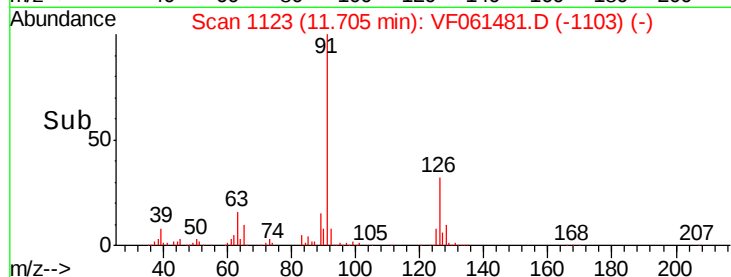
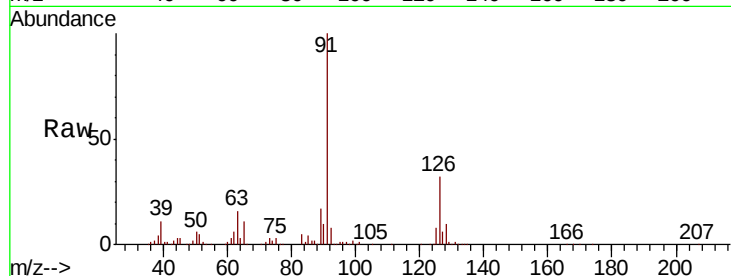
VF0123SBSD01

Tgt Ion: 91 Resp: 192069

Ion Ratio Lower Upper

91 100

126 32.0 15.0 45.1



#80

1,3,5-Trimethylbenzene

Concen: 23.157 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VF061481.D

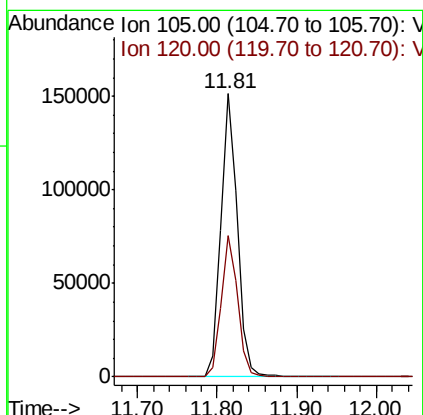
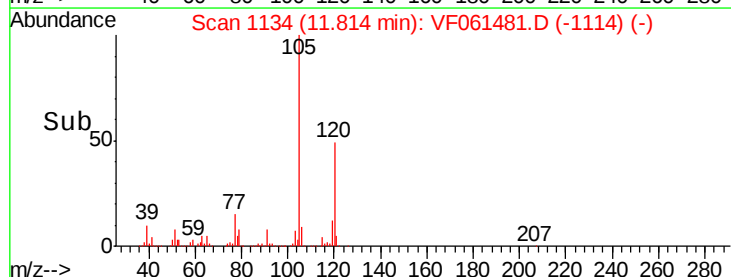
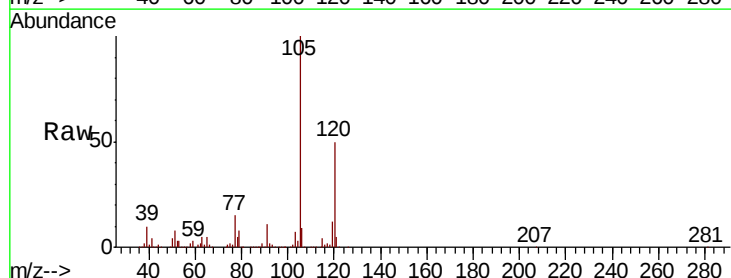
Acq: 23 Jan 2019 13:22

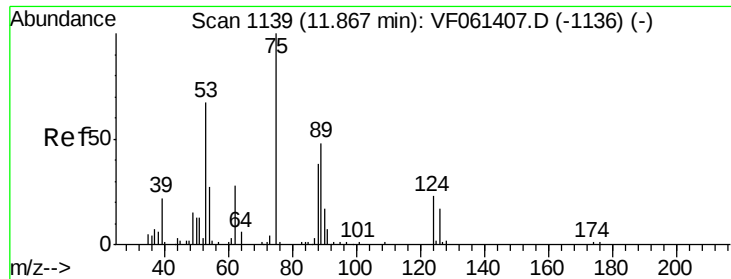
Tgt Ion: 105 Resp: 223788

Ion Ratio Lower Upper

105 100

120 49.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 28.384 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBSD01

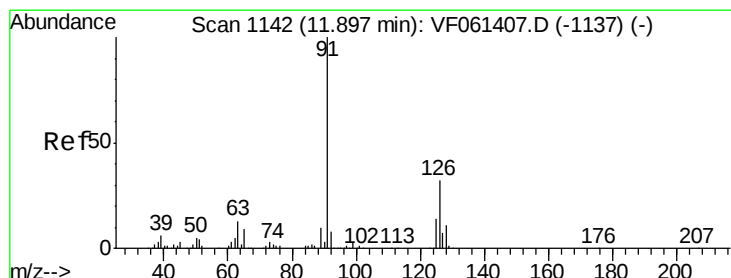
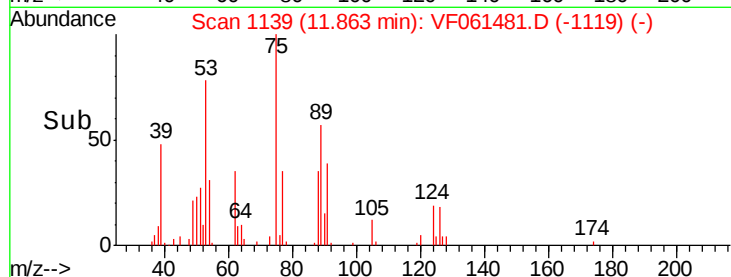
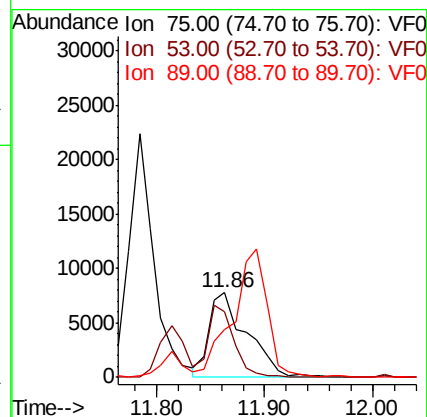
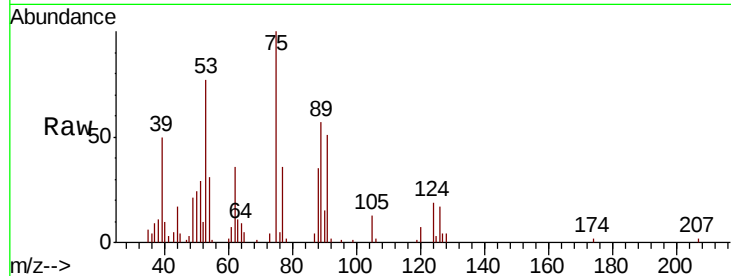
Tgt Ion: 75 Resp: 18914

Ion Ratio Lower Upper

75 100

53 77.0 57.8 86.6

89 56.6 40.7 61.1



#82

4-Chlorotoluene

Concen: 21.302 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF061481.D

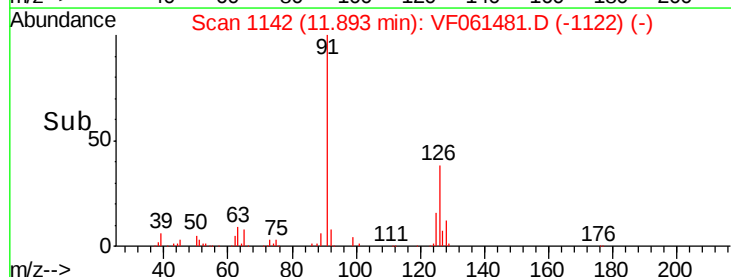
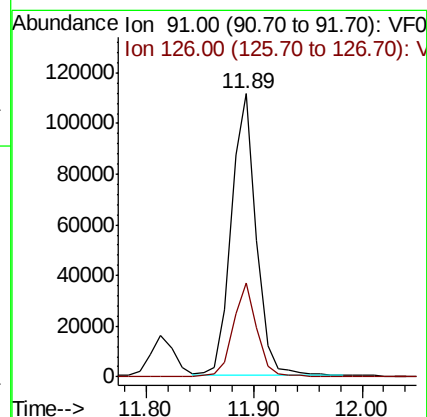
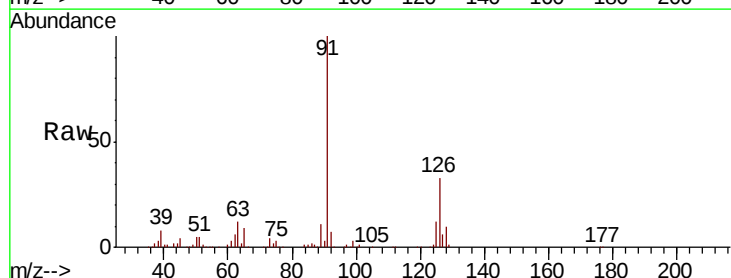
Acq: 23 Jan 2019 13:22

Tgt Ion: 91 Resp: 178602

Ion Ratio Lower Upper

91 100

126 33.2 16.0 47.9

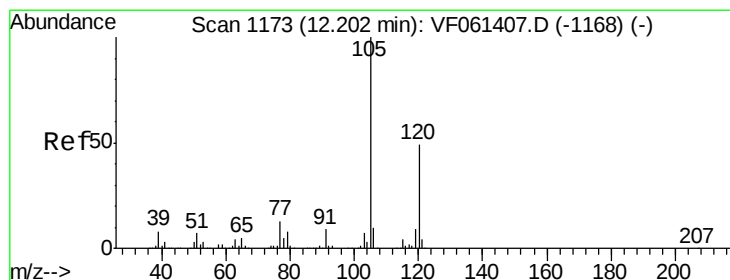
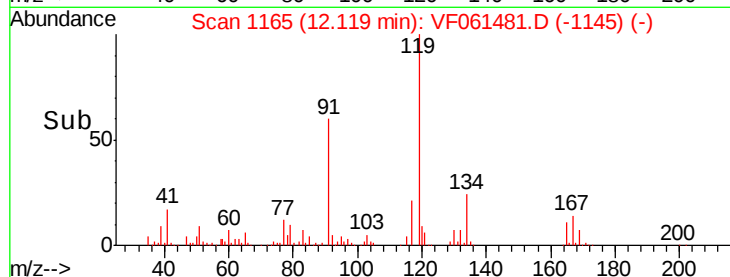
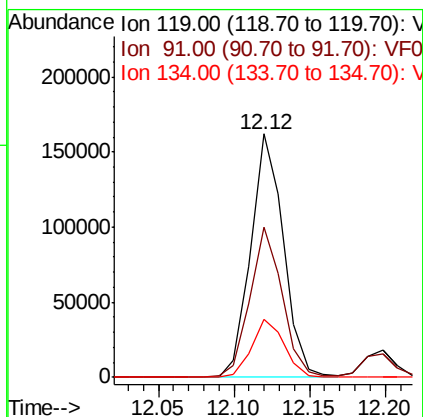
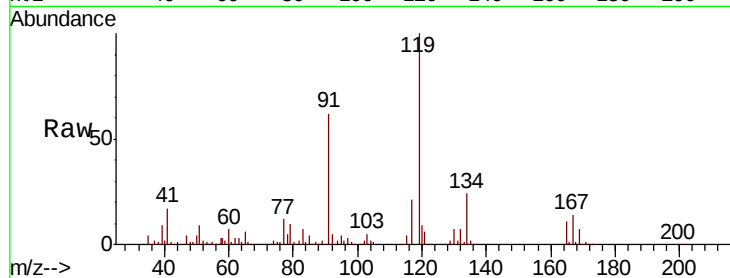




#83
 tert-Butylbenzene
 Concen: 24.425 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

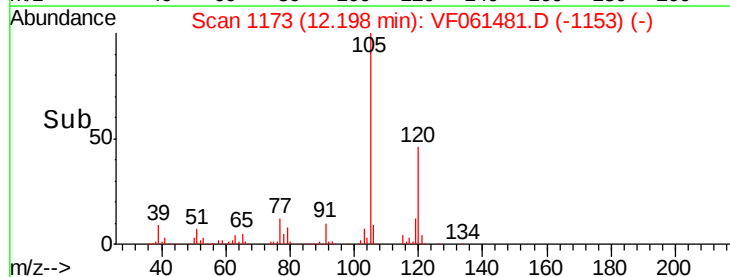
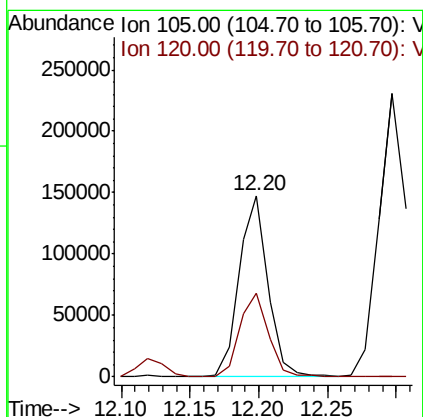
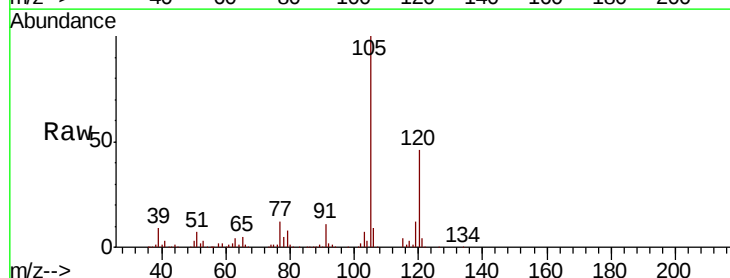
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

Tgt Ion:119 Resp: 244309
 Ion Ratio Lower Upper
 119 100
 91 61.7 31.3 93.8
 134 23.9 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.632 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

Tgt Ion:105 Resp: 215337
 Ion Ratio Lower Upper
 105 100
 120 46.2 24.9 74.6

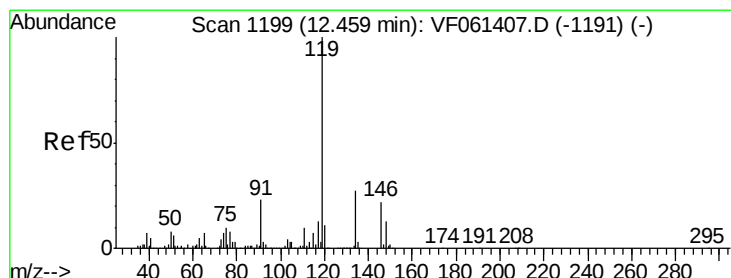
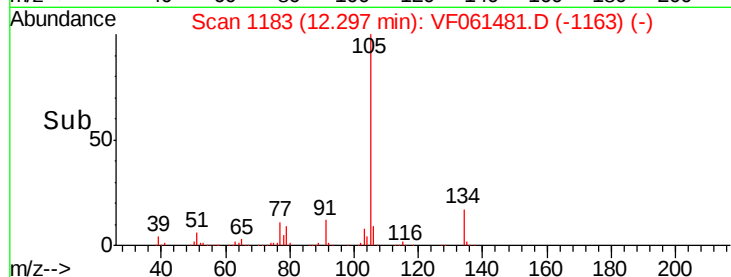
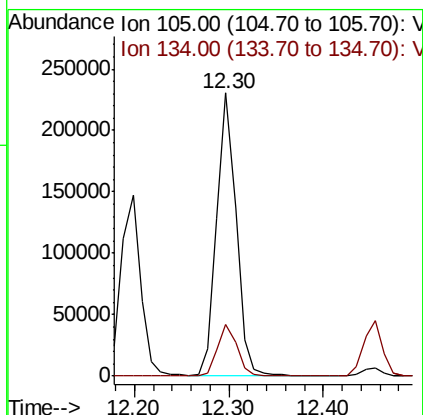
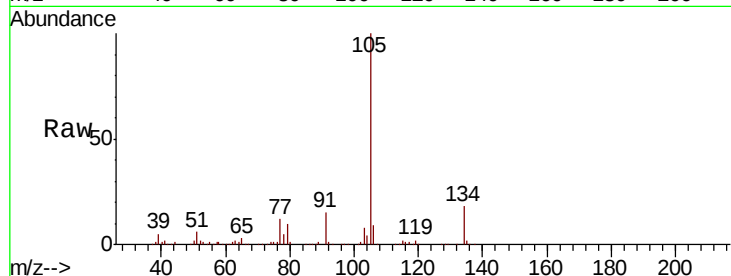




#85
 sec-Butylbenzene
 Concen: 24.324 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

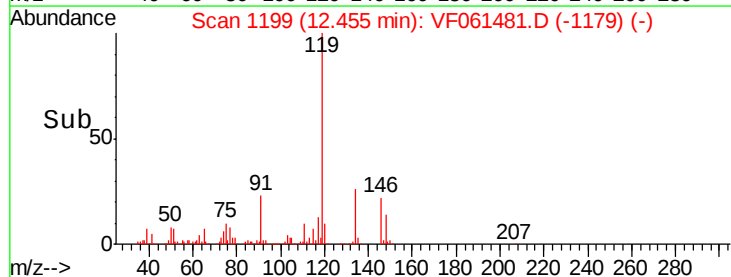
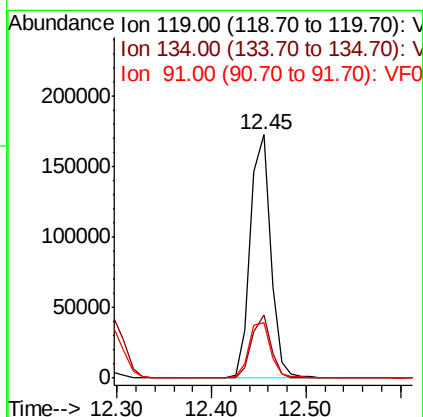
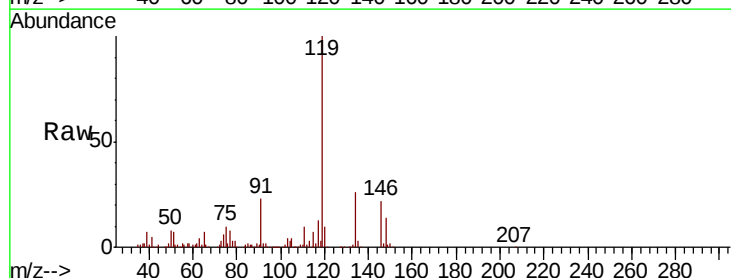
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

Tgt Ion:105 Resp: 330408
 Ion Ratio Lower Upper
 105 100
 134 18.1 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 23.180 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

Tgt Ion:119 Resp: 258474
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.4 40.2
 91 22.8 11.4 34.2

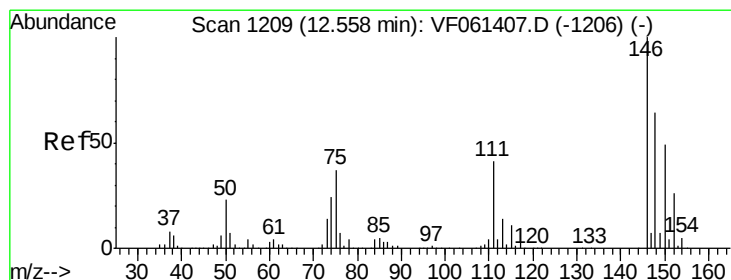
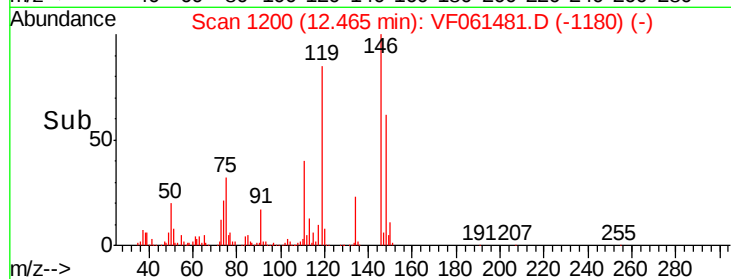
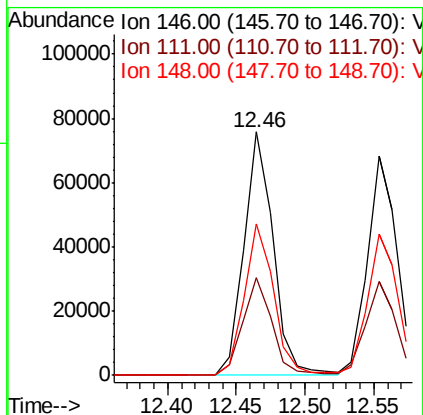
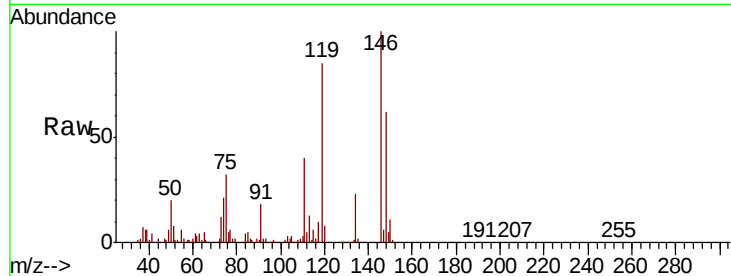




#87
 1,3-Dichlorobenzene
 Concen: 21.217 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

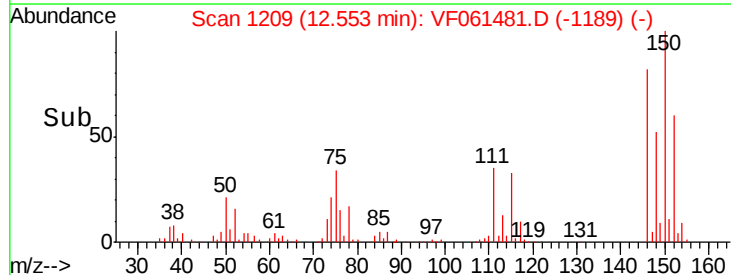
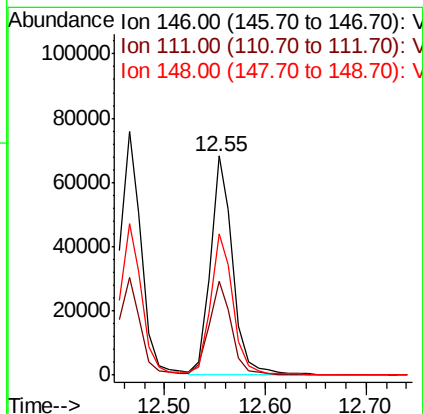
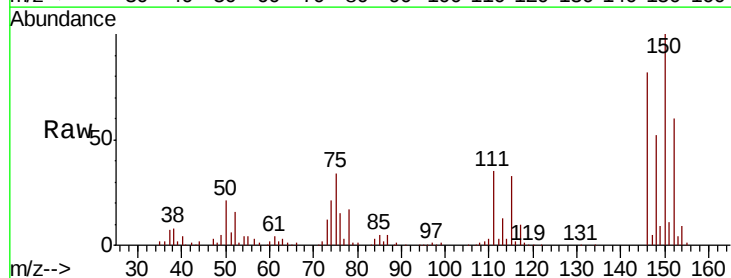
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

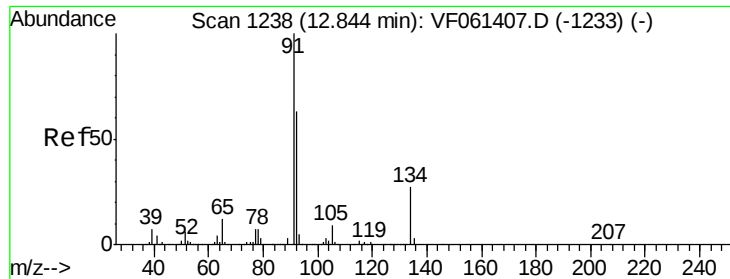
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.1	63.4
148	62.2	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 21.903 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.2
148	64.3	32.1	96.5





#89

n-Butylbenzene

Concen: 24.810 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VF061481.D

Acq: 23 Jan 2019 13:22

Instrument :

MSVOA_F

ClientSampleId :

VF0123SBS01

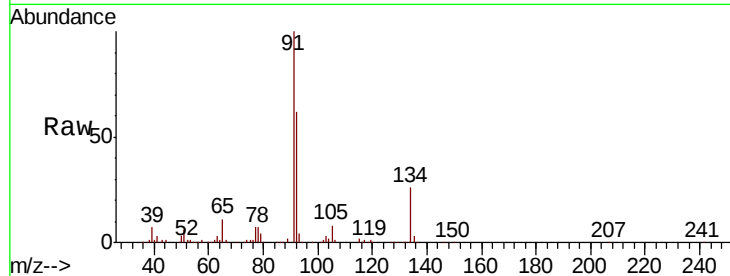
Tgt Ion: 91 Resp: 285302

Ion Ratio Lower Upper

91 100

92 62.3 31.6 94.7

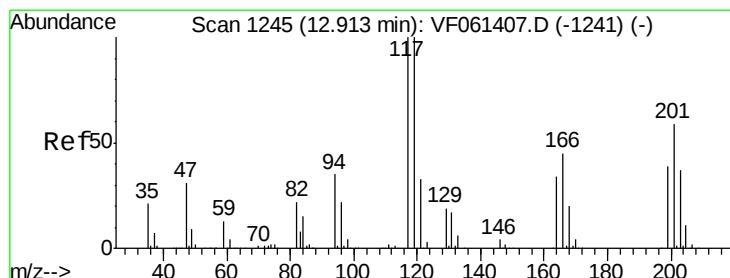
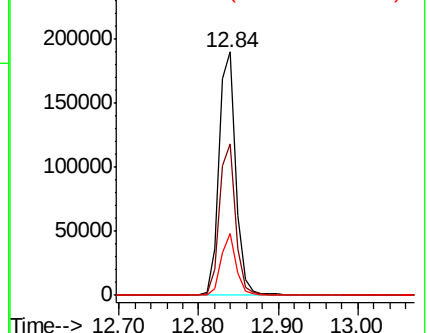
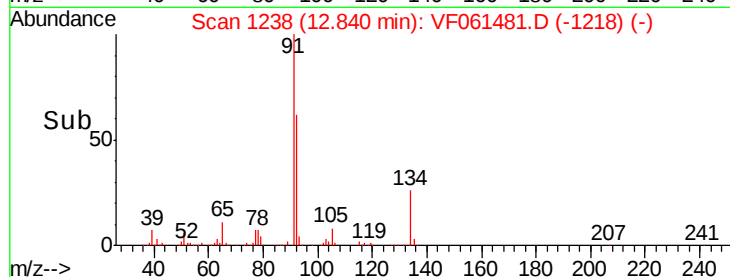
134 25.5 13.6 40.8



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: 23.936 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VF061481.D

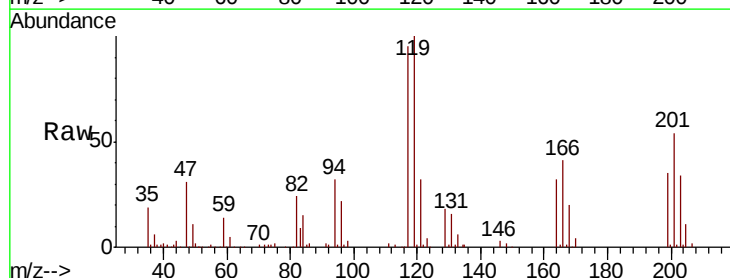
Acq: 23 Jan 2019 13:22

Tgt Ion: 117 Resp: 62915

Ion Ratio Lower Upper

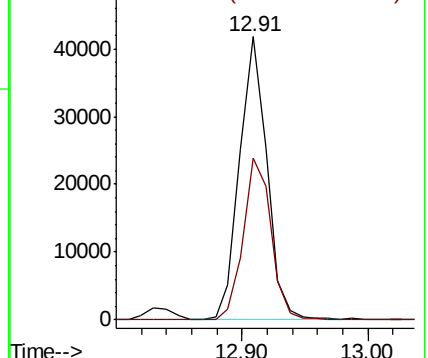
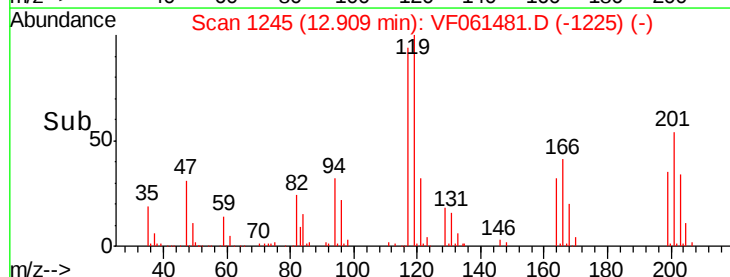
117 100

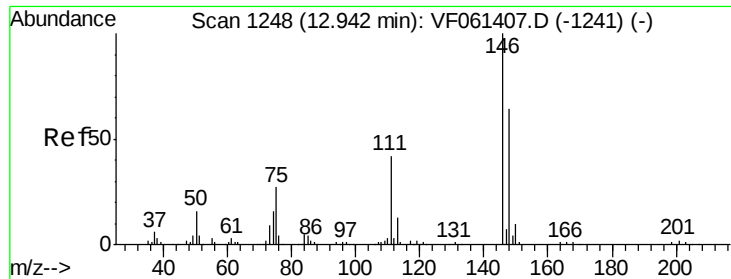
201 57.2 29.3 87.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

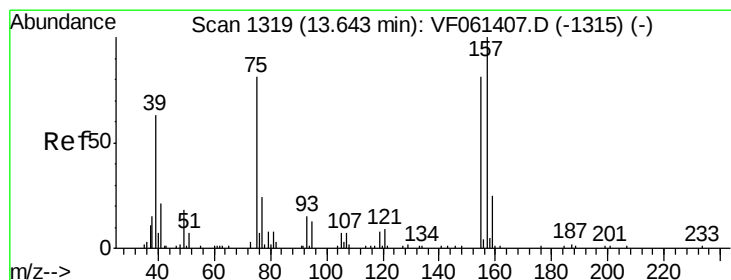
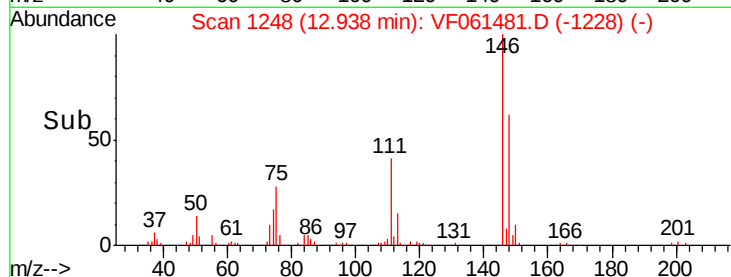
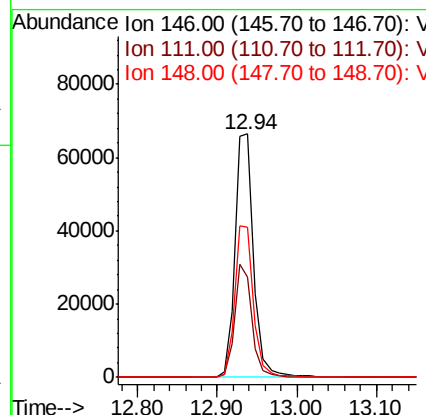
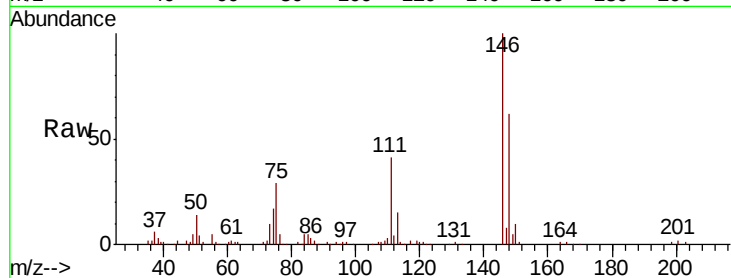




#91
 1,2-Dichlorobenzene
 Concen: 23.133 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

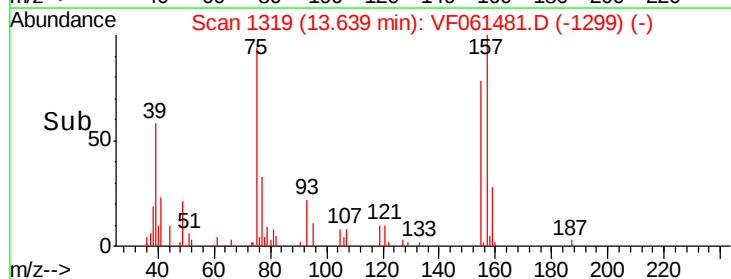
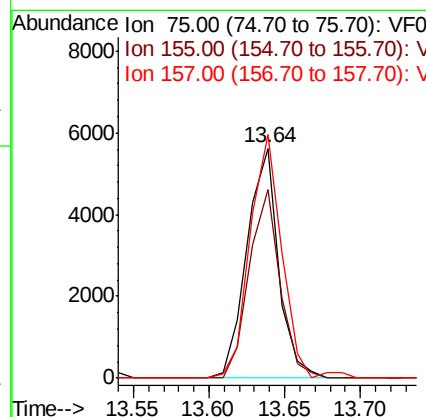
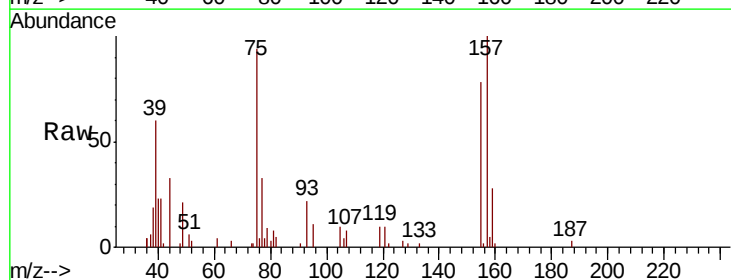
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBS01

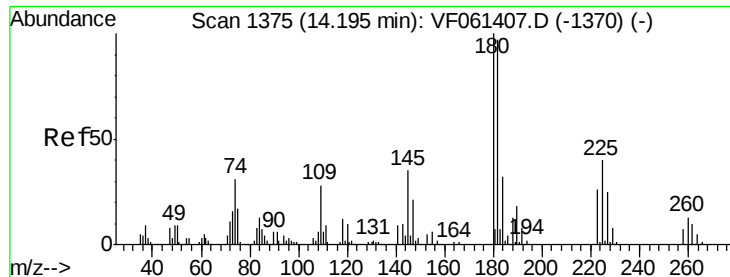
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.3
148	61.7	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.698 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	49.7	149.1
157	105.8	61.4	184.1

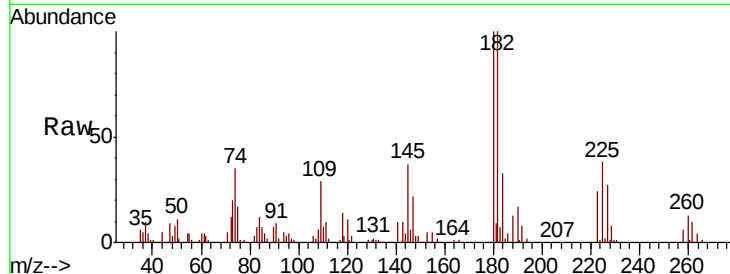




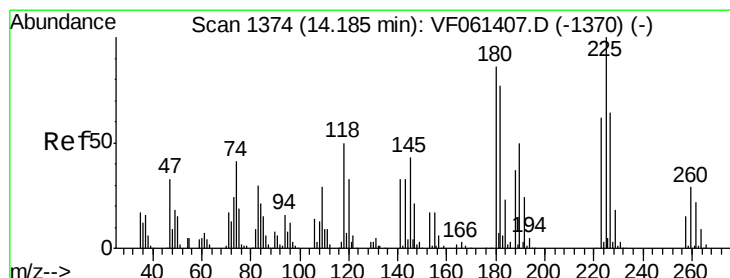
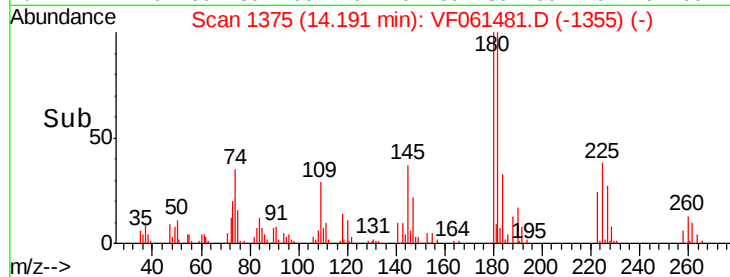
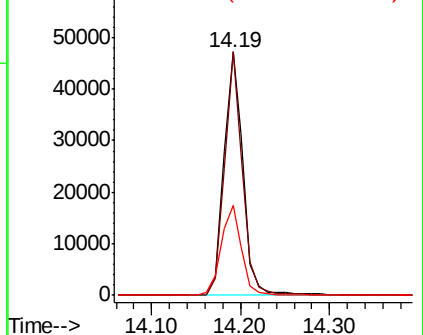
#93
 1,2,4-Trichlorobenzene
 Concen: 21.641 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0123SBSD01

Tgt Ion:180 Resp: 71721
 Ion Ratio Lower Upper
 180 100
 182 100.0 48.5 145.6
 145 37.1 17.5 52.6

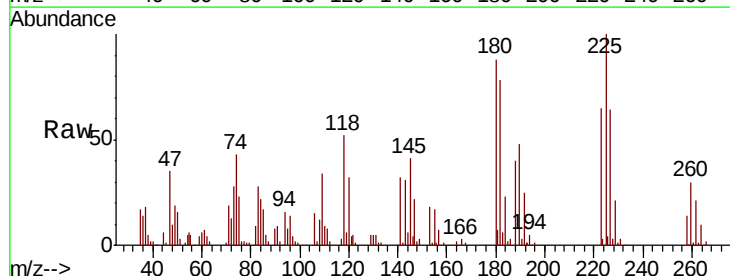


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

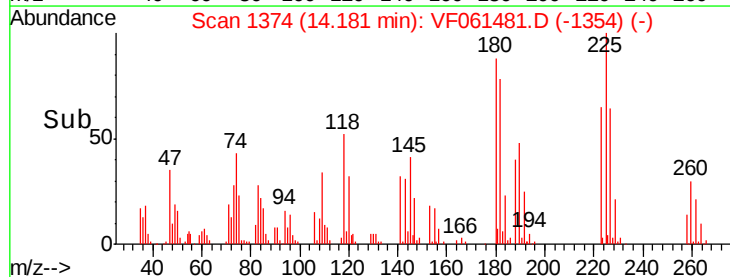
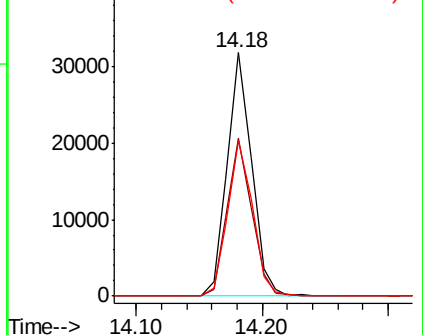


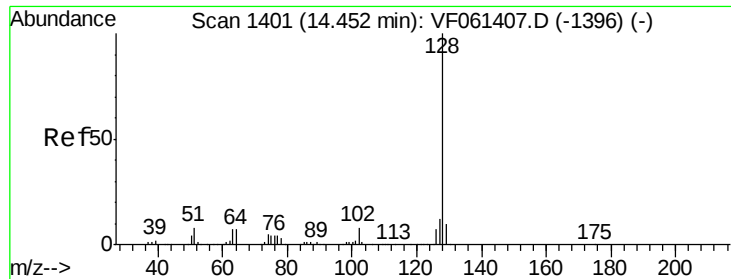
#94
 Hexachlorobutadiene
 Concen: 20.660 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061481.D
 Acq: 23 Jan 2019 13:22

Tgt Ion:225 Resp: 42487
 Ion Ratio Lower Upper
 225 100
 223 64.9 31.1 93.2
 227 63.7 32.2 96.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

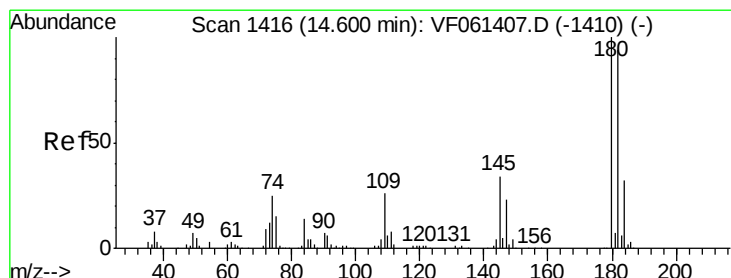
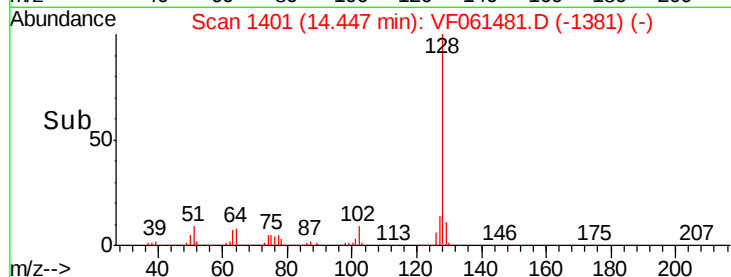
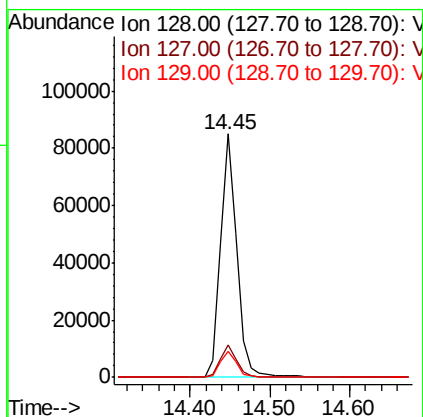
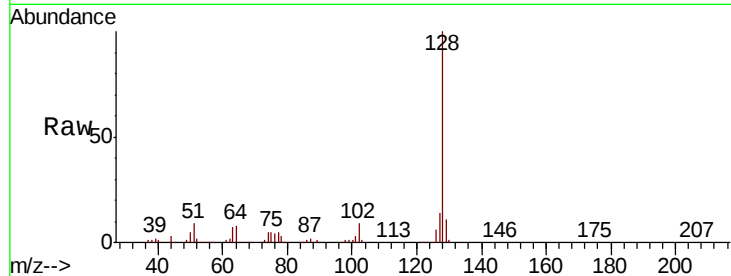




#95
Naphthalene
Concen: 19.814 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

Instrument :
MSVOA_F
ClientSampleId :
VF0123SBS01

Tgt Ion:128 Resp: 124763
Ion Ratio Lower Upper
128 100
127 13.5 9.5 14.3
129 10.8 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 20.978 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061481.D
Acq: 23 Jan 2019 13:22

Tgt Ion:180 Resp: 64357
Ion Ratio Lower Upper
180 100
182 96.9 47.0 141.2
145 34.2 17.1 51.2

