

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010219\
 Data File : VF061249.D
 Acq On : 2 Jan 2019 12:45
 Operator : VA/AP
 Sample : VF0102SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBSD01

Quant Time: Jan 02 13:07:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	202648	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	338704	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	318468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	156503	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	122430	46.97	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.94%	
35) Dibromofluoromethane	4.10	113	138762	51.14	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	7.54	98	363699	47.30	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	11.40	95	166808	47.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	79684	17.689	ug/l	99
3) Chloromethane	1.10	50	55099	21.353	ug/l	97
4) Vinyl Chloride	1.14	62	50345	21.032	ug/l	93
5) Bromomethane	1.33	94	35750	21.532	ug/l	100
6) Chloroethane	1.38	64	22422	20.329	ug/l	90
7) Trichlorofluoromethane	1.48	101	96669	21.151	ug/l	98
8) Diethyl Ether	1.63	74	14661	23.425	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.81	101	49123	20.729	ug/l	94
10) Methyl Iodide	1.89	142	59973	16.055	ug/l	88
11) Tert butyl alcohol	2.56	59	11307	107.503	ug/l #	93
12) 1,1-Dichloroethene	1.78	96	38493	21.549	ug/l	87
13) Acrolein	2.00	56	8603	113.195	ug/l	87
14) Allyl chloride	2.09	41	59883	32.213	ug/l	92
15) Acrylonitrile	2.93	53	31784	130.683	ug/l	96
16) Acetone	2.23	43	58944	113.126	ug/l #	88
17) Carbon Disulfide	1.82	76	107718	19.954	ug/l #	92
18) Methyl Acetate	2.34	43	21442	19.890	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	85027	21.444	ug/l	99
20) Methylene Chloride	2.22	84	29299	14.398	ug/l #	81
21) trans-1,2-Dichloroethene	2.30	96	39361	20.601	ug/l	91
22) Diisopropyl ether	2.80	45	144934	23.406	ug/l	93
23) Vinyl Acetate	3.18	43	330709	115.768	ug/l	99
24) 1,1-Dichloroethane	2.87	63	82042	22.361	ug/l	99
25) 2-Butanone	4.33	43	102282	121.038	ug/l	98
26) 2,2-Dichloropropane	3.60	77	52016	24.705	ug/l	92
27) cis-1,2-Dichloroethene	3.47	96	60219	20.588	ug/l	100
28) Bromochloromethane	3.71	49	40449	21.728	ug/l	88
29) Tetrahydrofuran	4.05	42	48991	142.440	ug/l	95
30) Chloroform	3.85	83	113438	20.620	ug/l	99
31) Cyclohexane	3.68	56	85362	22.422	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	85063	25.797	ug/l	95
36) 1,1-Dichloropropene	4.27	75	82710	20.231	ug/l	96
37) Ethyl Acetate	4.10	43	42091	24.223	ug/l #	82
38) Carbon Tetrachloride	3.98	117	76400	24.538	ug/l	95

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 Misc : 5.00g/5mL/MSVOA-F/SOIL
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Instrument :
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Quant Time: Jan 02 13:07:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	89587	24.425	ug/l	95
40) Benzene	4.62	78	192190	21.859	ug/l	93
41) Methacrylonitrile	4.74	41	21816	25.267	ug/l	94
42) 1,2-Dichloroethane	4.93	62	66389	19.877	ug/l	98
43) Isopropyl Acetate	6.95	43	44844	22.716	ug/l	95
44) Trichloroethene	5.49	130	61847	22.312	ug/l	93
45) 1,2-Dichloropropane	6.23	63	52298	21.863	ug/l	92
46) Dibromomethane	6.08	93	33038	21.295	ug/l	97
47) Bromodichloromethane	6.38	83	85624	21.241	ug/l	94
48) Methyl methacrylate	6.70	41	30661	22.248	ug/l	96
49) 1,4-Dioxane	6.70	88	4173	417.317	ug/l #	75
51) 4-Methyl-2-Pentanone	8.25	43	152749	112.824	ug/l	96
52) Toluene	7.62	92	128033	21.999	ug/l	92
53) t-1,3-Dichloropropene	8.27	75	68954	21.204	ug/l	93
54) cis-1,3-Dichloropropene	7.29	75	91280	22.365	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	37144	21.289	ug/l	99
56) Ethyl methacrylate	8.62	69	44422	23.529	ug/l	96
57) 1,3-Dichloropropane	8.84	76	64220	20.351	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	26515	73.127	ug/l	97
59) 2-Hexanone	9.48	43	125673	128.357	ug/l	96
60) Dibromochloromethane	8.71	129	51916	20.758	ug/l	93
61) 1,2-Dibromoethane	8.98	107	40934	21.968	ug/l	91
64) Tetrachloroethene	8.14	164	52627	21.482	ug/l	95
65) Chlorobenzene	9.79	112	143024	21.739	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.92	131	58556	21.779	ug/l	95
67) Ethyl Benzene	9.89	91	267172	22.290	ug/l	98
68) m/p-Xylenes	10.13	106	188953	44.796	ug/l	99
69) o-Xylene	10.71	106	100909	21.570	ug/l	90
70) Styrene	10.78	104	148393	23.437	ug/l	99
71) Bromoform	10.77	173	29199	23.474	ug/l #	98
73) Isopropylbenzene	11.11	105	309242	22.929	ug/l	96
74) N-amyl acetate	11.37	43	75268	25.137	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	53693	23.988	ug/l	94
76) 1,2,3-Trichloropropane	11.78	75	35438	21.274	ug/l	99
77) Bromobenzene	11.49	156	66262	22.824	ug/l	86
78) n-propylbenzene	11.59	91	352407	20.133	ug/l	97
79) 2-Chlorotoluene	11.71	91	209449	22.639	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	248446	22.372	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.86	75	21844	30.517	ug/l	89
82) 4-Chlorotoluene	11.89	91	209995	21.941	ug/l	100
83) tert-Butylbenzene	12.12	119	254425	22.264	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	247429	22.343	ug/l	99
85) sec-Butylbenzene	12.30	105	332929	22.325	ug/l	99
86) p-Isopropyltoluene	12.45	119	291767	23.570	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	126405	23.868	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	117762	22.090	ug/l	95
89) n-Butylbenzene	12.84	91	296703	20.987	ug/l	95
90) Hexachloroethane	12.91	117	67428	22.047	ug/l	90
91) 1,2-Dichlorobenzene	12.94	146	110057	21.205	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8529	20.765	ug/l	84

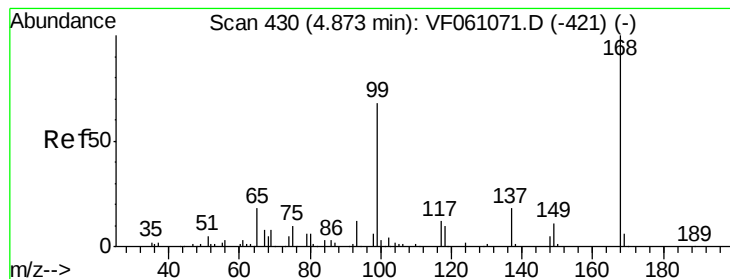
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF010219\
Data File : VF061249.D
Acq On : 2 Jan 2019 12:45
Operator : VA/AP
Sample : VF0102SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Quant Time: Jan 02 13:07:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	82778	22.489	ug/l	96
94) Hexachlorobutadiene	14.18	225	52520	22.403	ug/l	96
95) Naphthalene	14.45	128	147369	21.925	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	75362	22.147	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

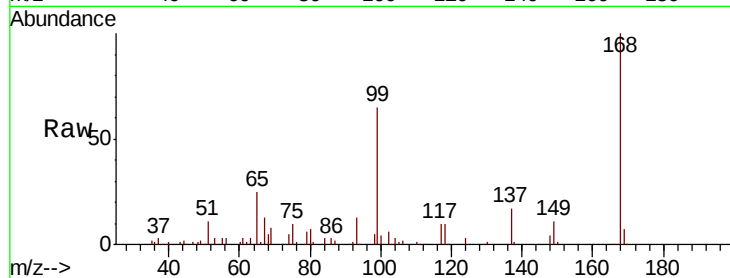
VF0102SBSD01

Tgt Ion:168 Resp: 202648

Ion Ratio Lower Upper

168 100

99 65.5 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

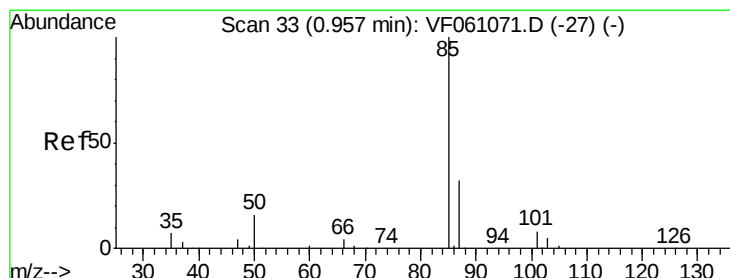
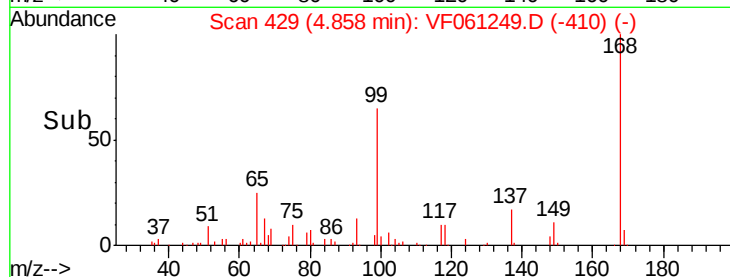
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 17.689 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061249.D

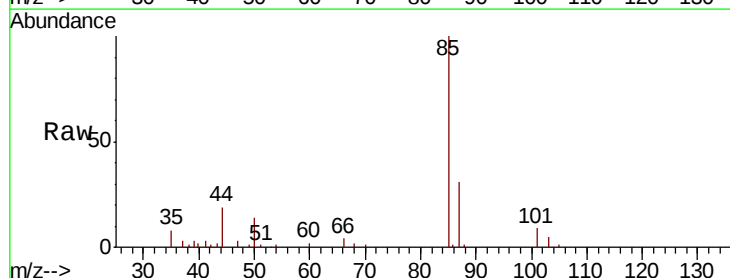
Acq: 2 Jan 2019 12:45

Tgt Ion: 85 Resp: 79684

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

15000

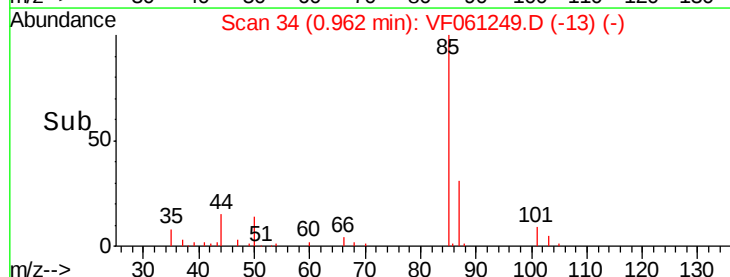
10000

5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 21.353 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

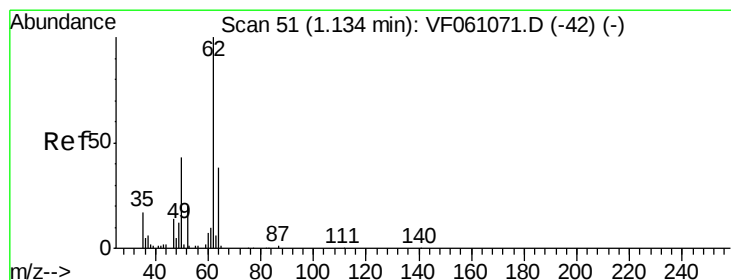
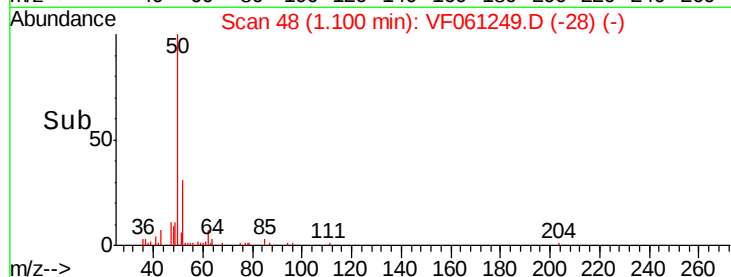
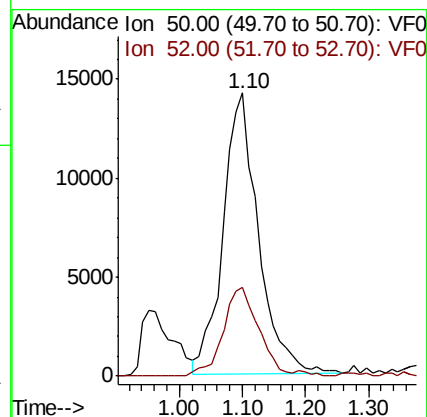
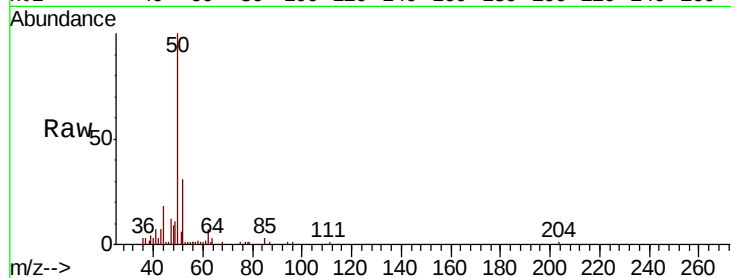
VF0102SBSD01

Tgt Ion: 50 Resp: 55099

Ion Ratio Lower Upper

50 100

52 31.2 26.3 39.5



#4

Vinyl Chloride

Concen: 21.032 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061249.D

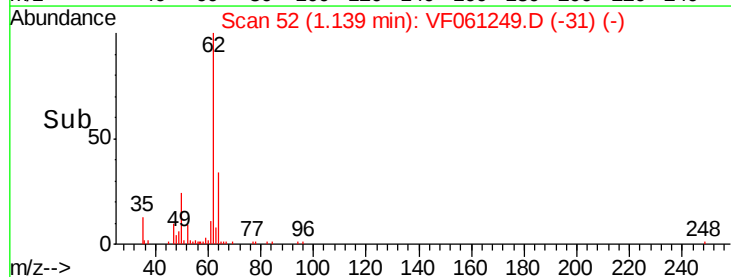
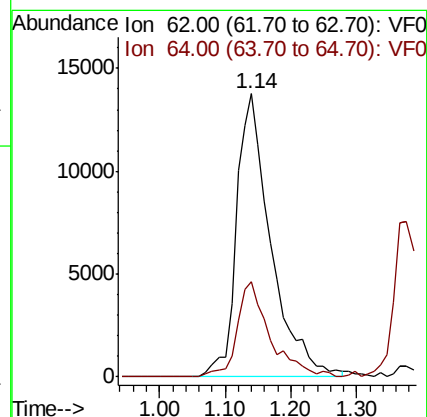
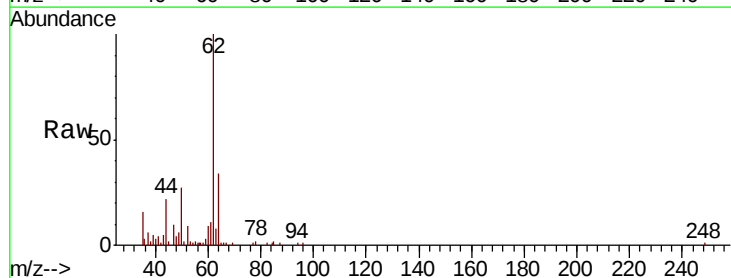
Acq: 2 Jan 2019 12:45

Tgt Ion: 62 Resp: 50345

Ion Ratio Lower Upper

62 100

64 33.6 30.4 45.6





#5

Bromomethane

Concen: 21.532 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

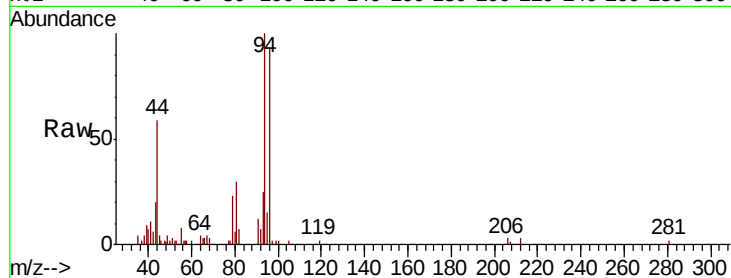
VF0102SBSD01

Tgt Ion: 94 Resp: 35750

Ion Ratio Lower Upper

94 100

96 93.3 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

8000

6000

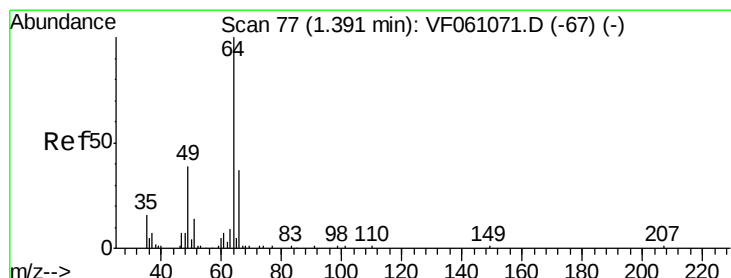
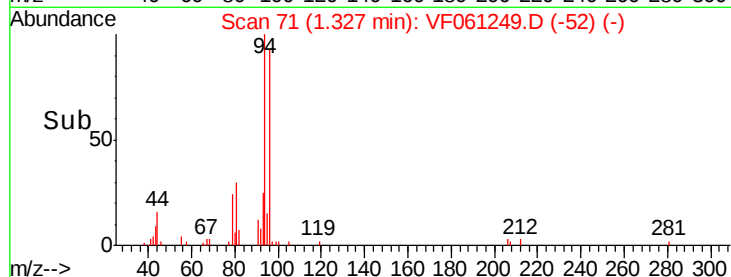
4000

2000

0

1.20 1.40 1.60

Time-->



#6

Chloroethane

Concen: 20.329 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061249.D

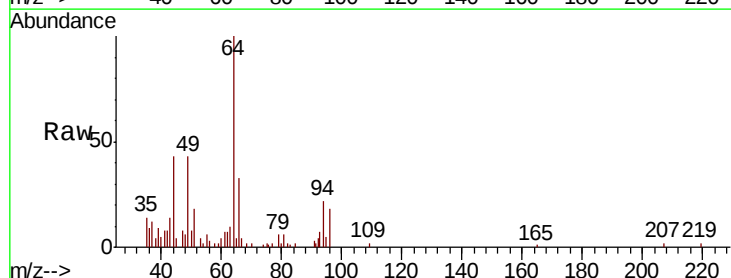
Acq: 2 Jan 2019 12:45

Tgt Ion: 64 Resp: 22422

Ion Ratio Lower Upper

64 100

66 32.7 30.9 46.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

8000

6000

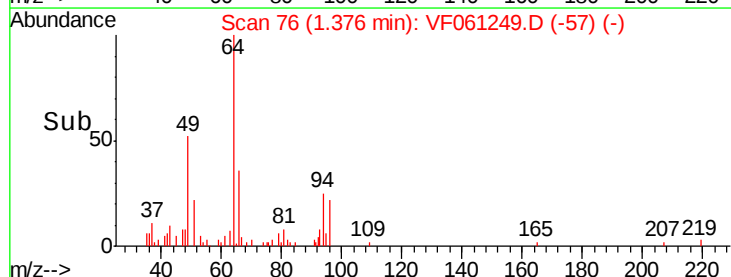
4000

2000

0

1.20 1.30 1.40 1.50 1.60

Time-->



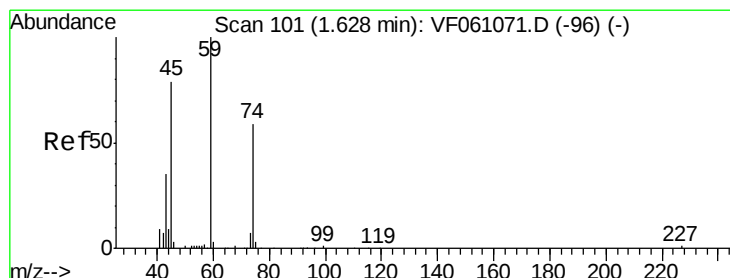
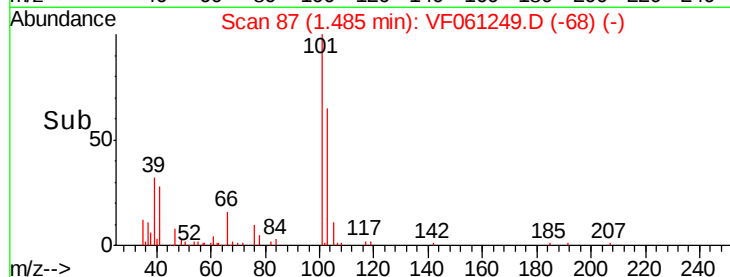
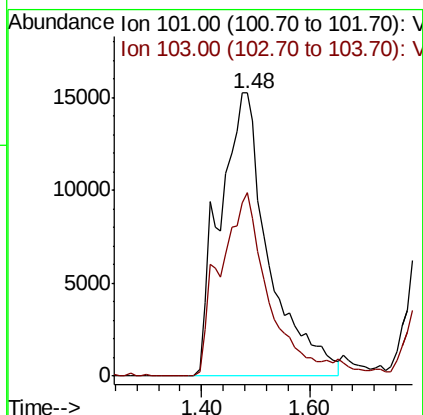
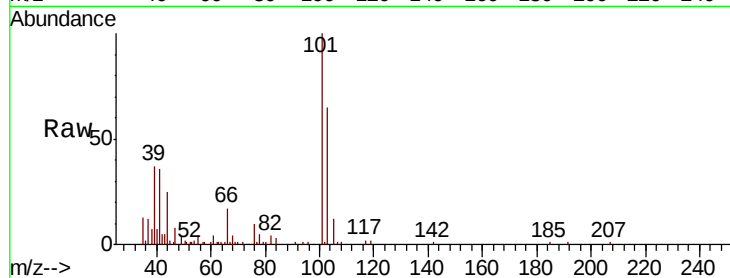


#7

Trichlorofluoromethane
Concen: 21.151 ug/l
RT: 1.48 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

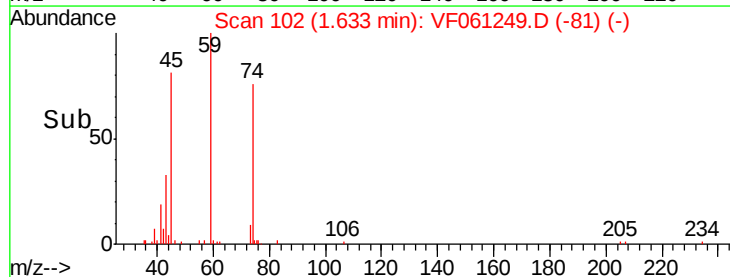
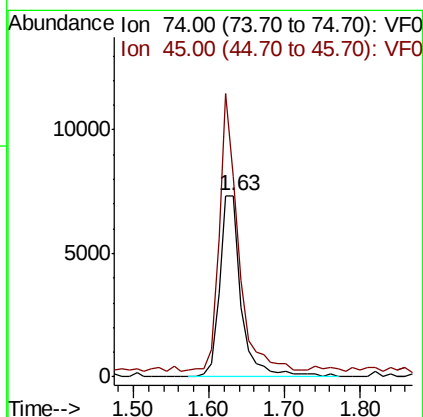
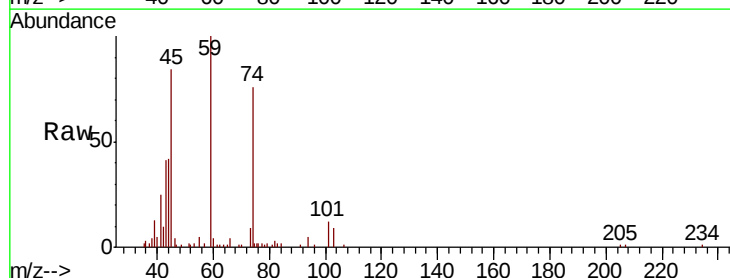
Tgt Ion:101 Resp: 96669
Ion Ratio Lower Upper
101 100
103 65.0 50.7 76.1

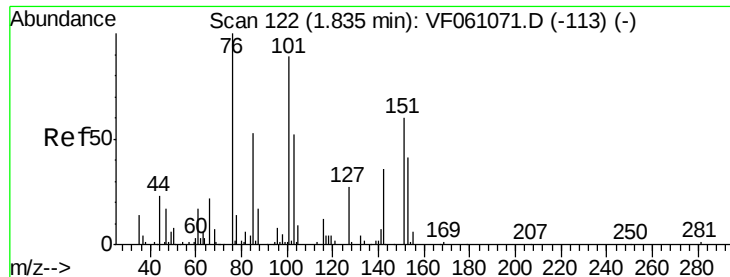


#8

Diethyl Ether
Concen: 23.425 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion: 74 Resp: 14661
Ion Ratio Lower Upper
74 100
45 110.7 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.729 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.02 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

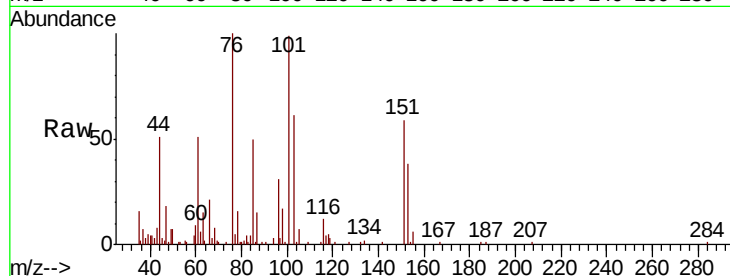
Tgt Ion:101 Resp: 49123

Ion Ratio Lower Upper

101 100

85 50.1 44.5 66.7

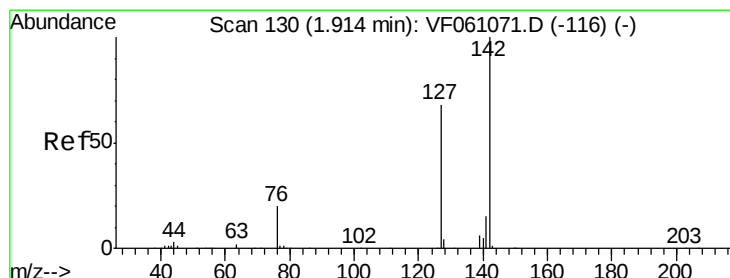
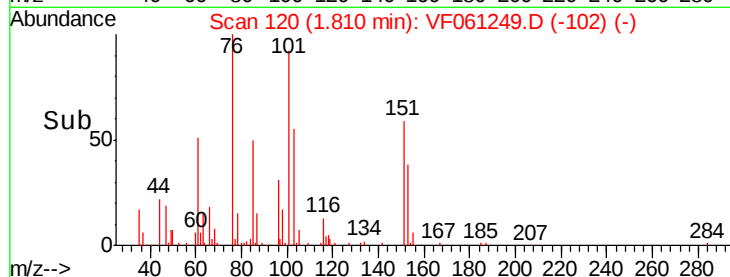
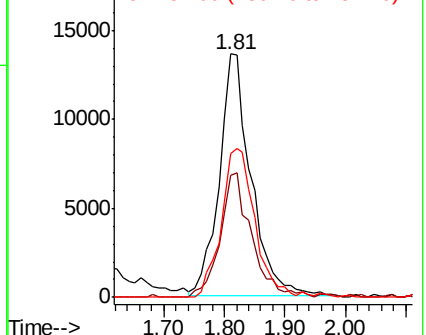
151 59.0 49.9 74.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 16.055 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

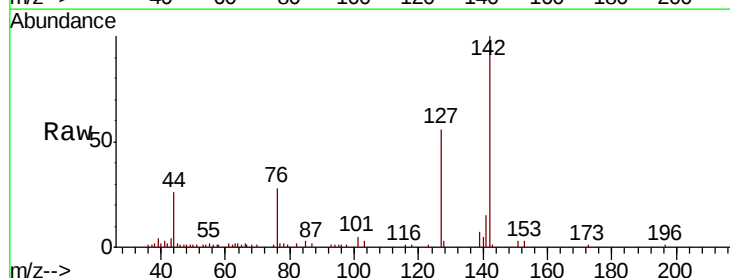
Tgt Ion:142 Resp: 59973

Ion Ratio Lower Upper

142 100

127 56.1 54.7 82.1

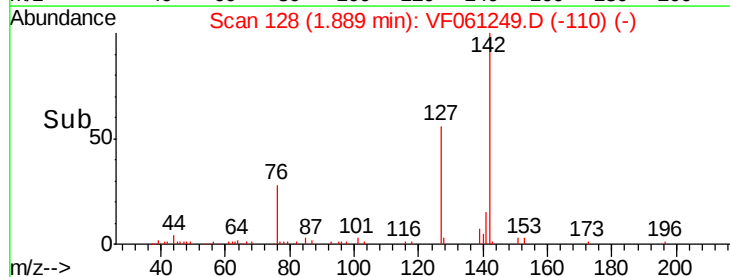
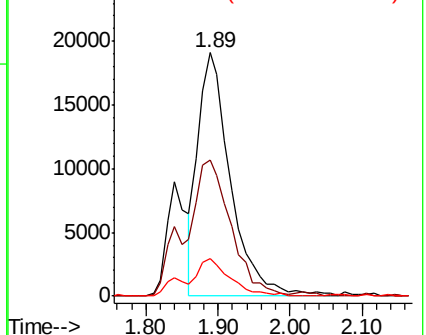
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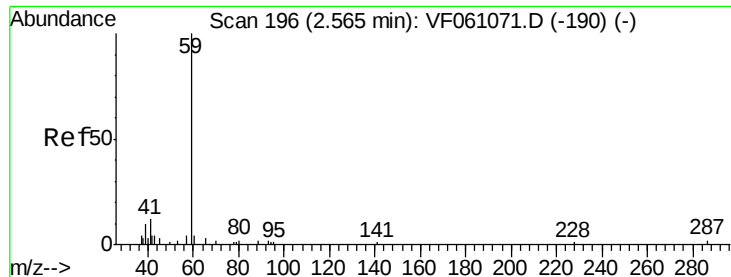


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



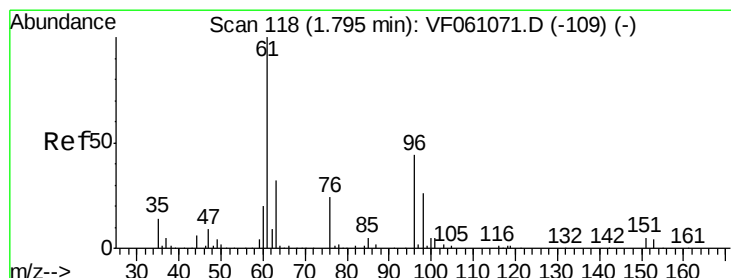
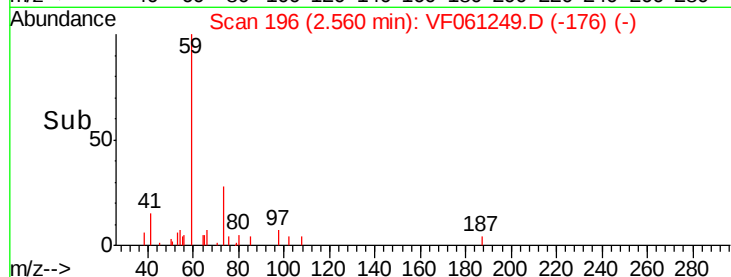
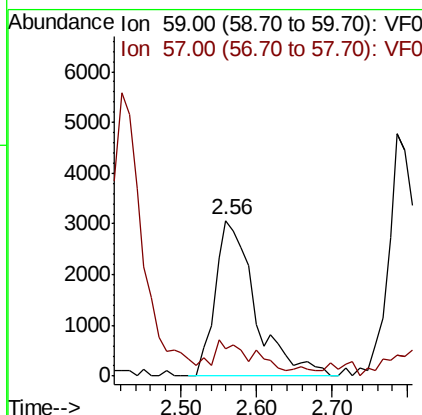
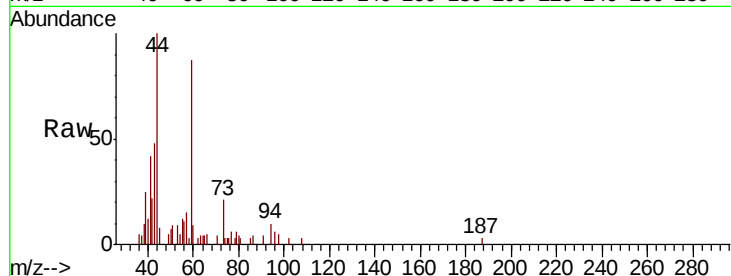


#11

Tert butyl alcohol
Concen: 107.503 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

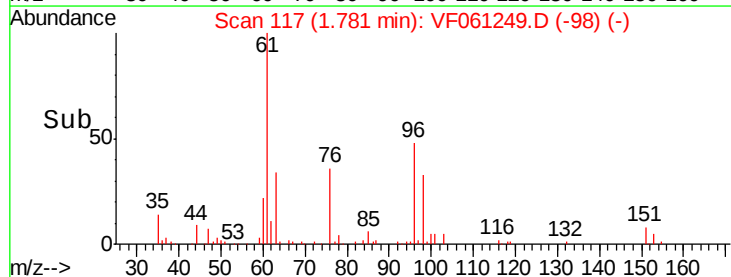
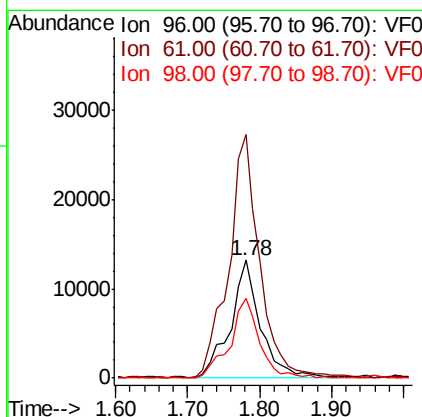
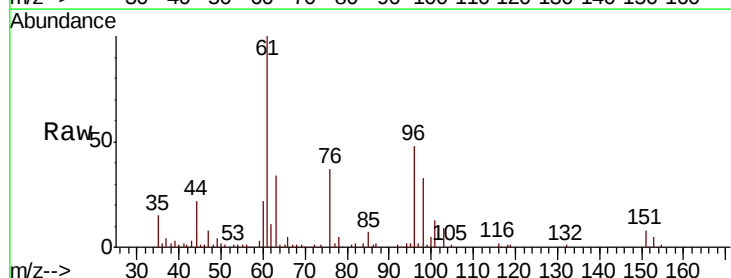
Tgt Ion: 59 Resp: 11307
Ion Ratio Lower Upper
59 100
57 17.3 11.5 17.3#

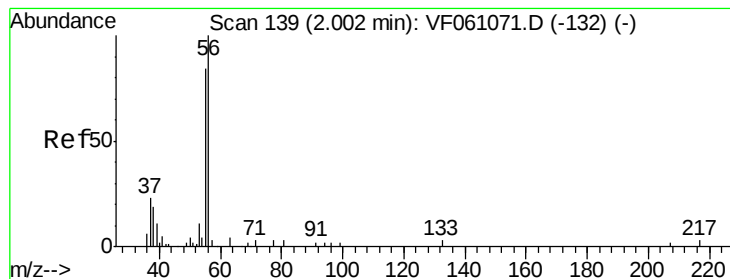


#12

1,1-Dichloroethene
Concen: 21.549 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion: 96 Resp: 38493
Ion Ratio Lower Upper
96 100
61 206.8 182.0 273.0
98 67.5 46.5 69.7





#13

Acrolein

Concen: 113.195 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

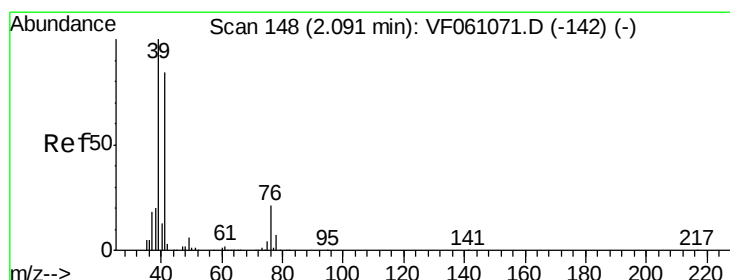
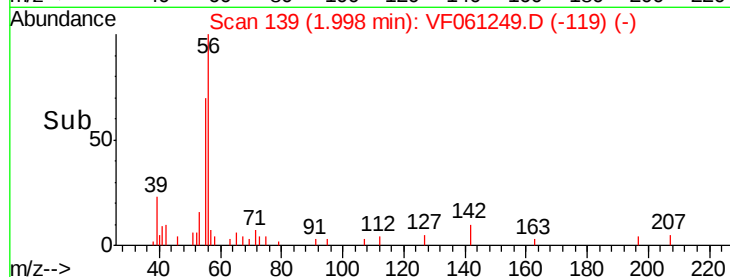
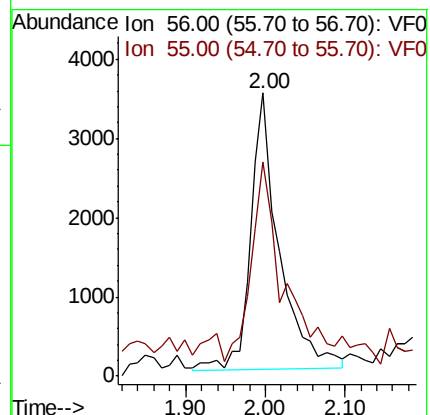
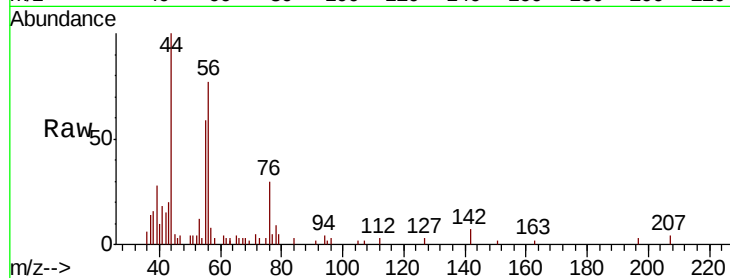
VF0102SBSD01

Tgt Ion: 56 Resp: 8603

Ion Ratio Lower Upper

56 100

55 75.6 70.2 105.2



#14

Allyl chloride

Concen: 32.213 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

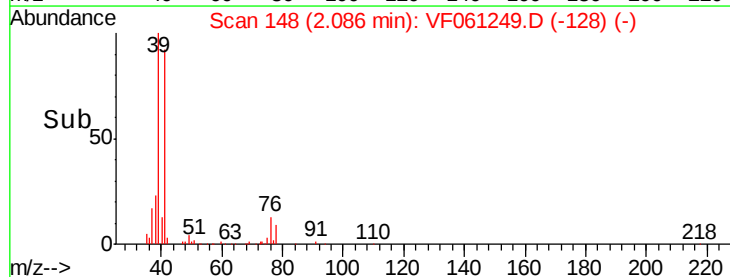
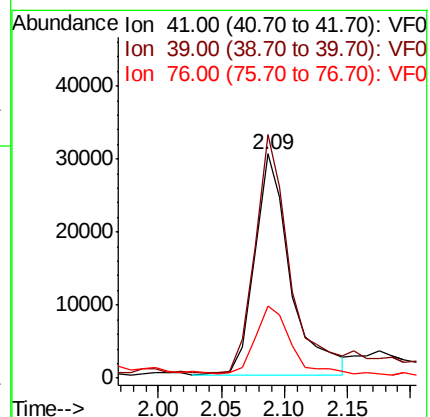
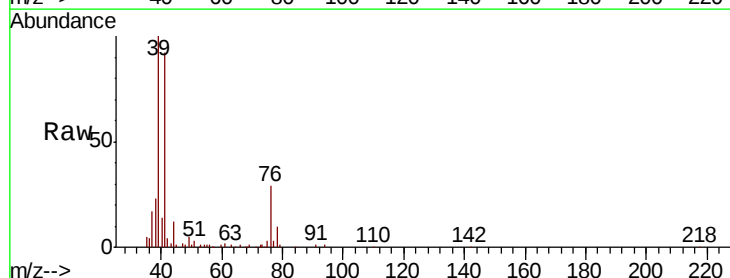
Tgt Ion: 41 Resp: 59883

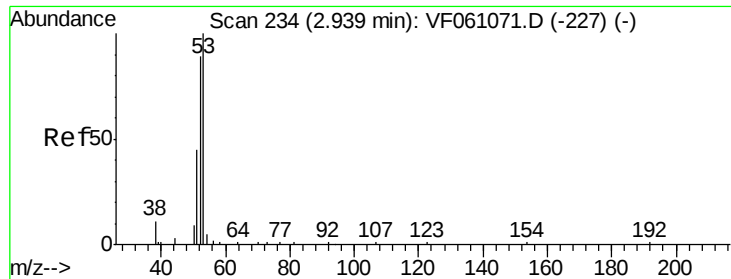
Ion Ratio Lower Upper

41 100

39 108.7 96.4 144.6

76 31.9 25.4 38.0





#15

Acrylonitrile

Concen: 130.683 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

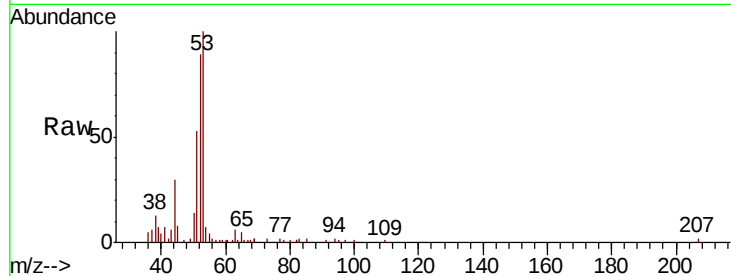
Tgt Ion: 53 Resp: 31784

Ion Ratio Lower Upper

53 100

52 88.9 71.3 106.9

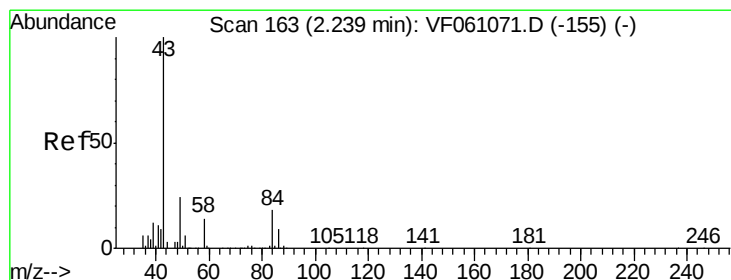
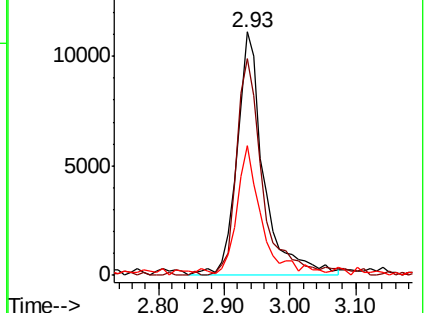
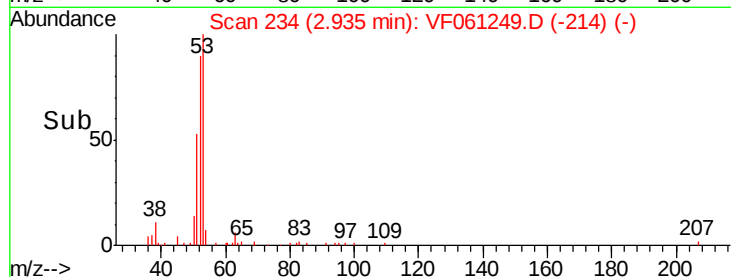
51 53.0 36.8 55.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 113.126 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061249.D

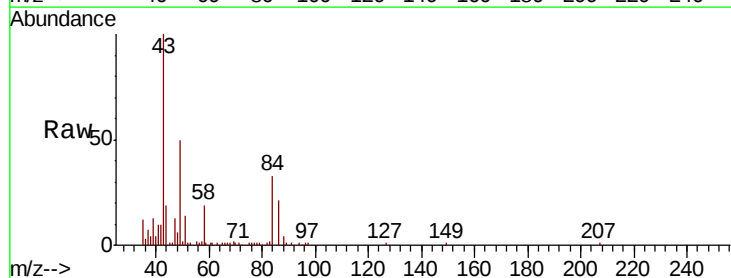
Acq: 2 Jan 2019 12:45

Tgt Ion: 43 Resp: 58944

Ion Ratio Lower Upper

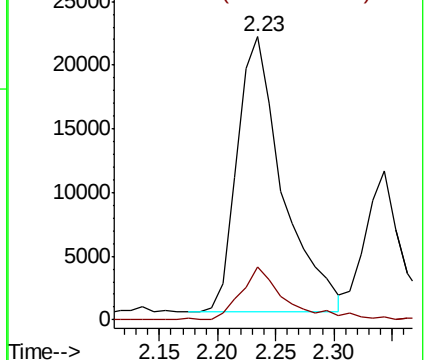
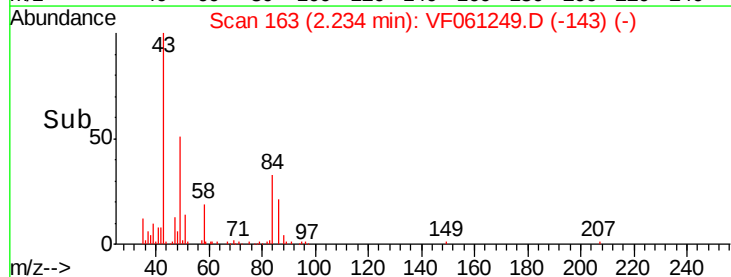
43 100

58 18.8 11.1 16.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

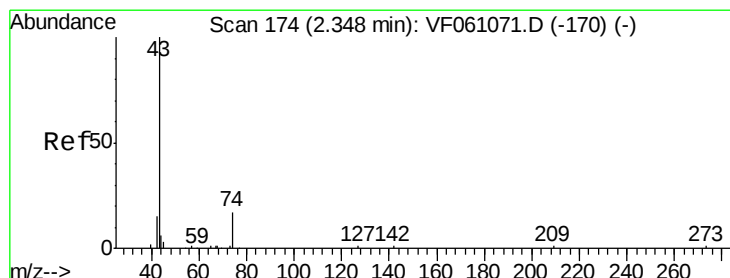
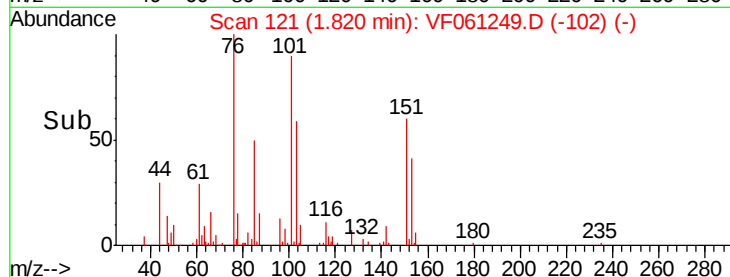
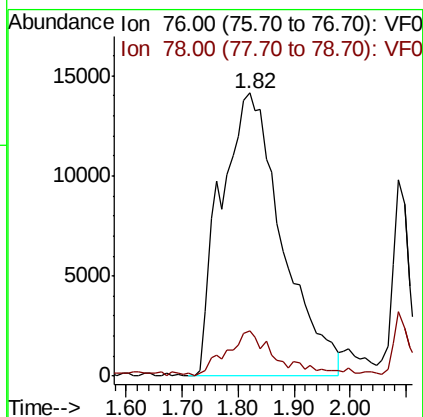
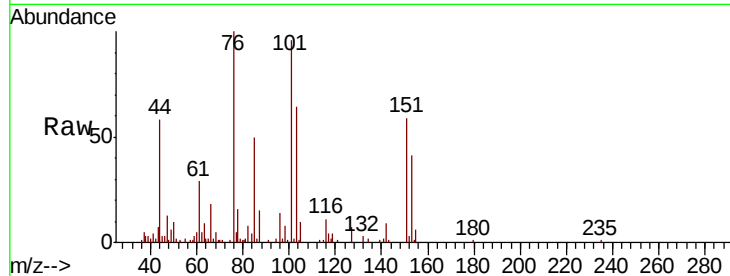




#17
Carbon Disulfide
Concen: 19.954 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

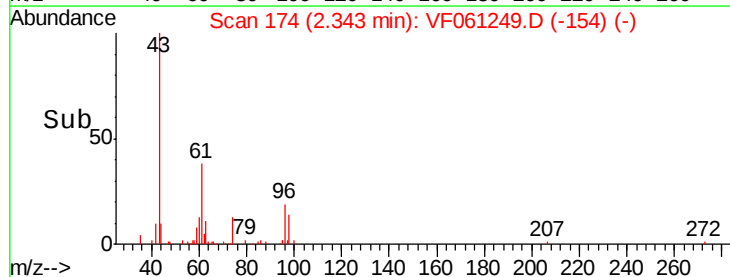
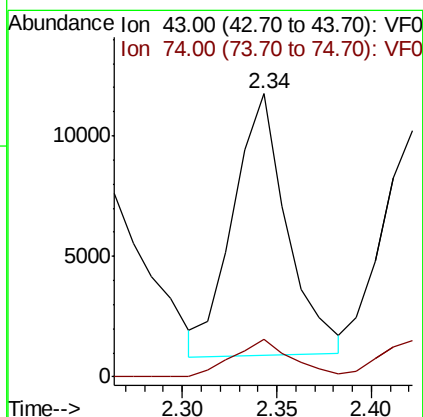
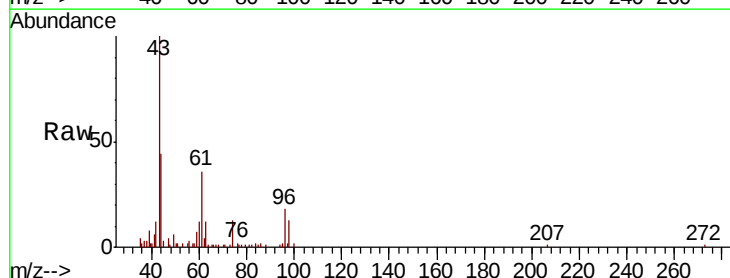
Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

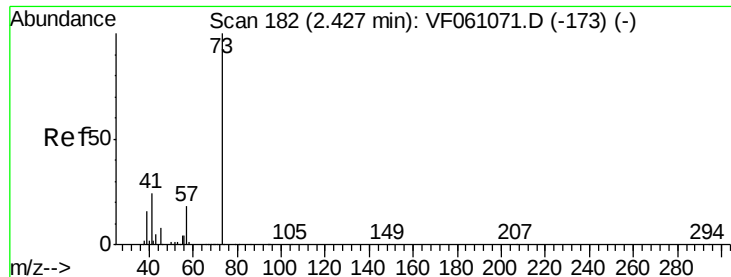
Tgt Ion: 76 Resp: 107718
Ion Ratio Lower Upper
76 100
78 15.8 10.2 15.4#



#18
Methyl Acetate
Concen: 19.890 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion: 43 Resp: 21442
Ion Ratio Lower Upper
43 100
74 13.3 11.0 16.6

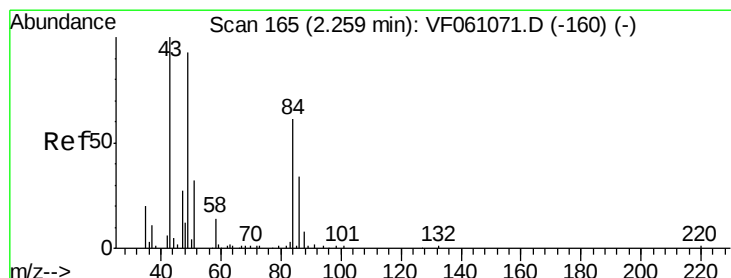
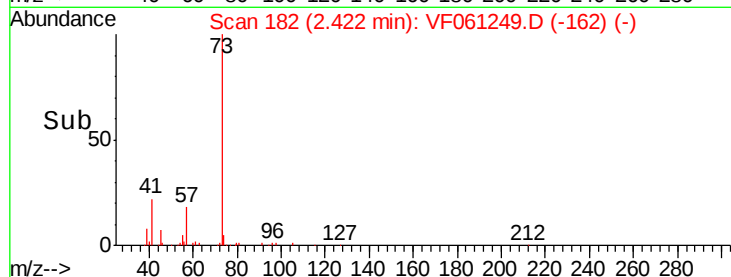
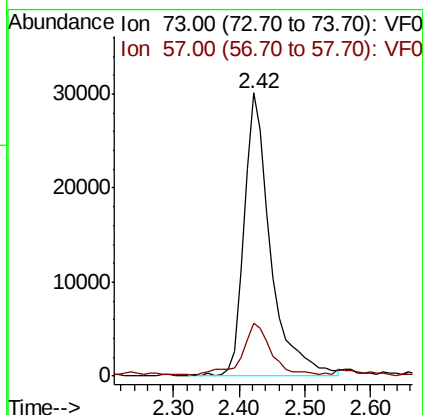
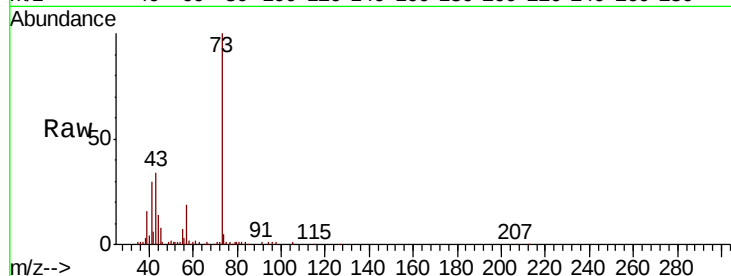




#19
Methyl tert-butyl Ether
Concen: 21.444 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

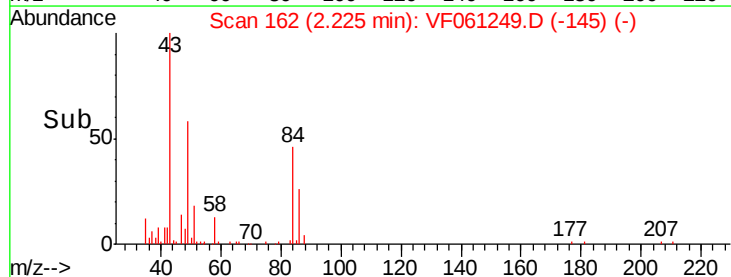
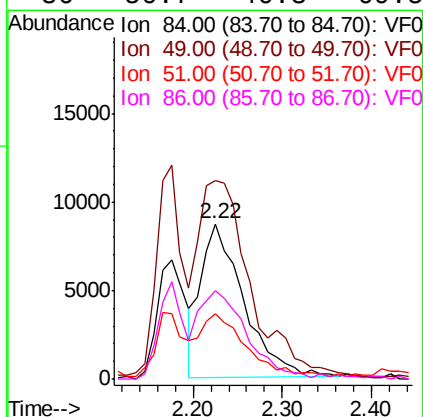
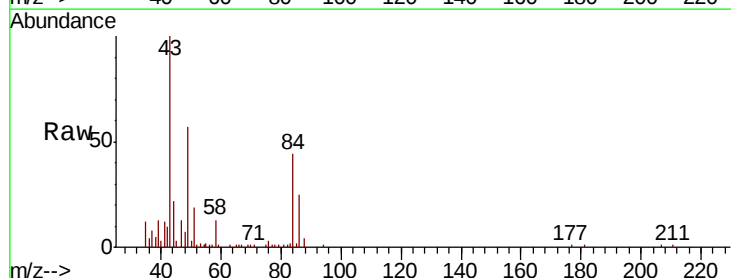
Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

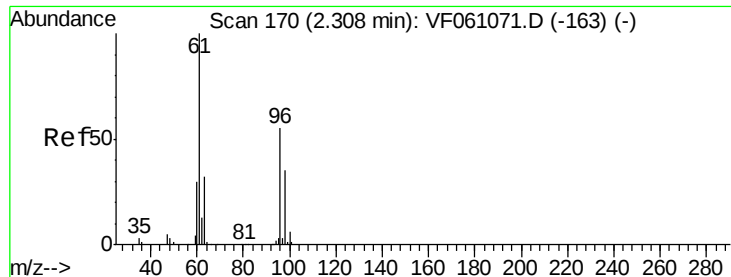
Tgt Ion: 73 Resp: 85027
Ion Ratio Lower Upper
73 100
57 18.5 14.5 21.7



#20
Methylene Chloride
Concen: 14.398 ug/l
RT: 2.22 min Scan# 162
Delta R.T. -0.03 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion: 84 Resp: 29299
Ion Ratio Lower Upper
84 100
49 128.1 129.4 194.2#
51 42.2 44.0 66.0#
86 56.7 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 20.601 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

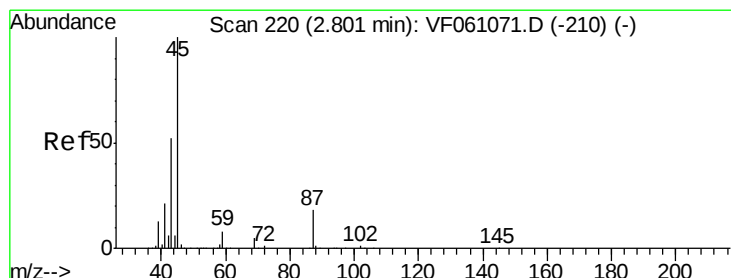
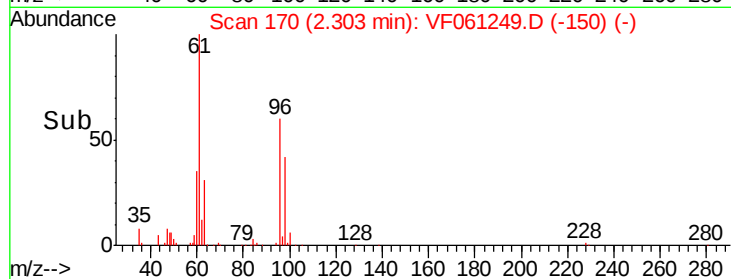
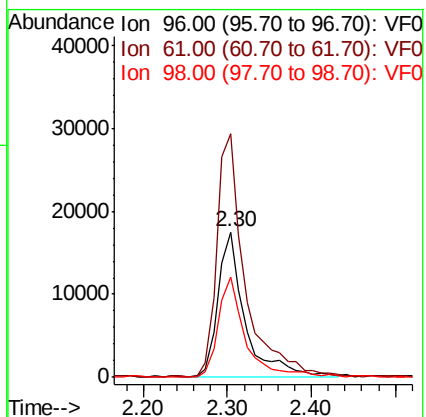
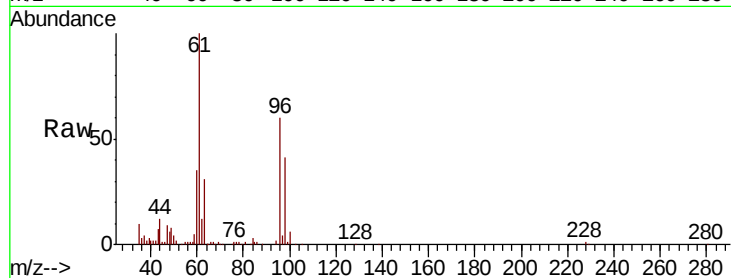
Tgt Ion: 96 Resp: 39361

Ion Ratio Lower Upper

96 100

61 167.5 146.0 219.0

98 69.0 51.6 77.4



#22

Diisopropyl ether

Concen: 23.406 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Tgt Ion: 45 Resp: 144934

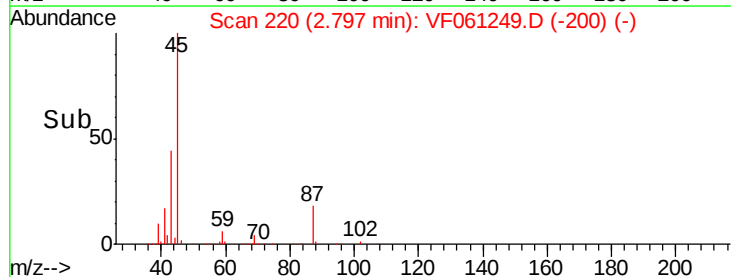
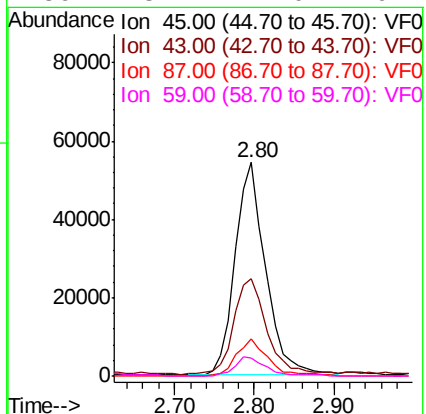
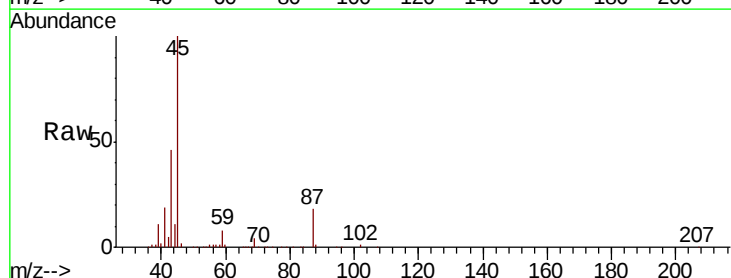
Ion Ratio Lower Upper

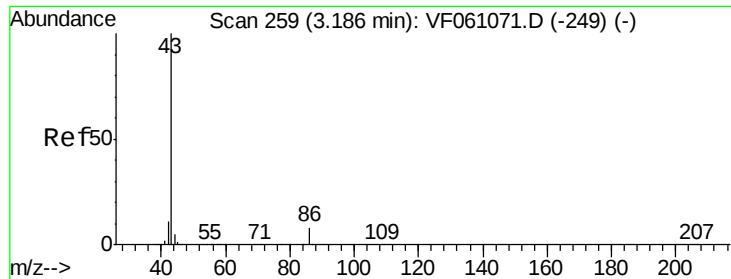
45 100

43 45.6 42.2 63.2

87 17.6 14.6 22.0

59 8.1 7.0 10.4





#23

Vinyl Acetate

Concen: 115.768 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

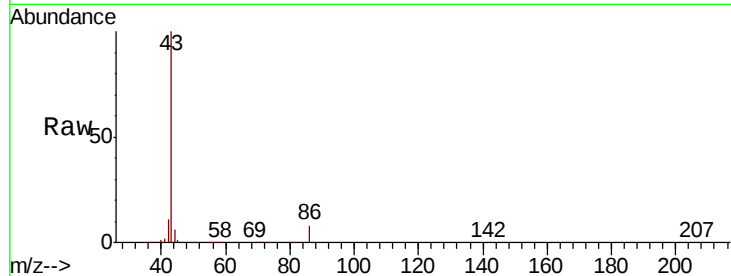
VF0102SBSD01

Tgt Ion: 43 Resp: 330709

Ion Ratio Lower Upper

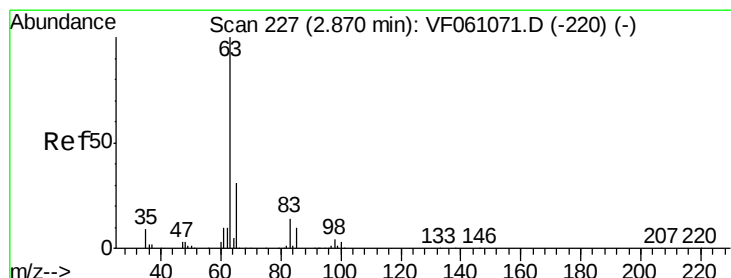
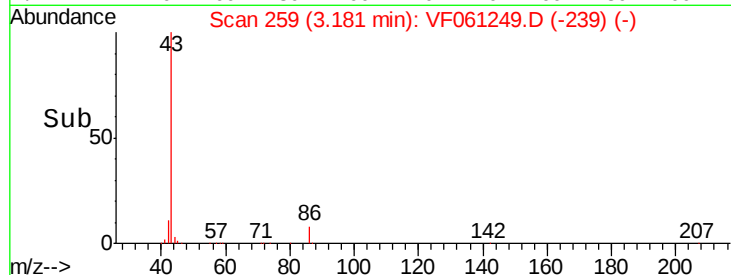
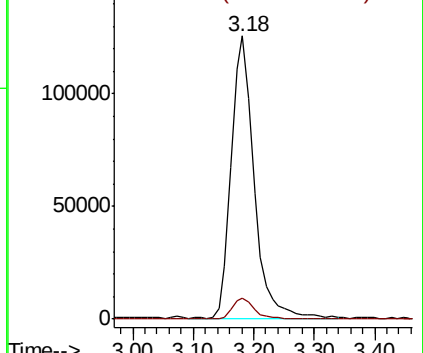
43 100

86 7.6 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 22.361 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

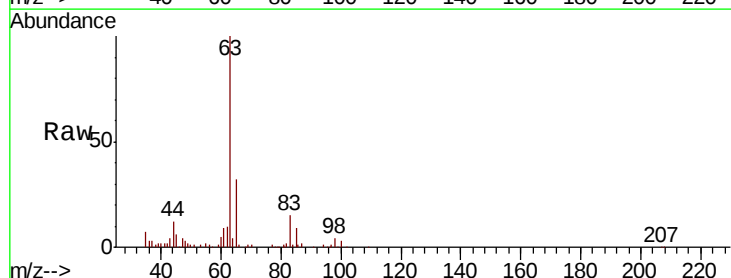
Tgt Ion: 63 Resp: 82042

Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.5

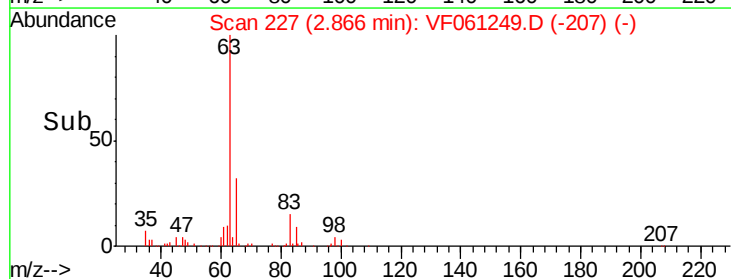
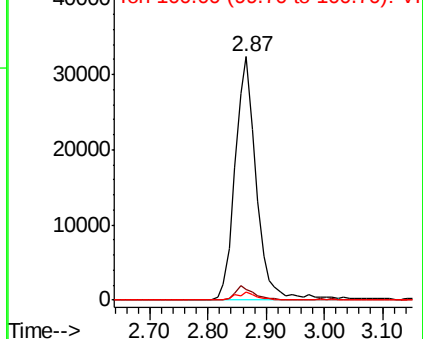
100 3.1 1.7 5.1

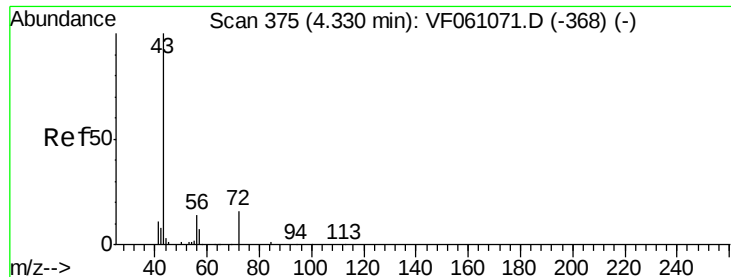


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 121.038 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

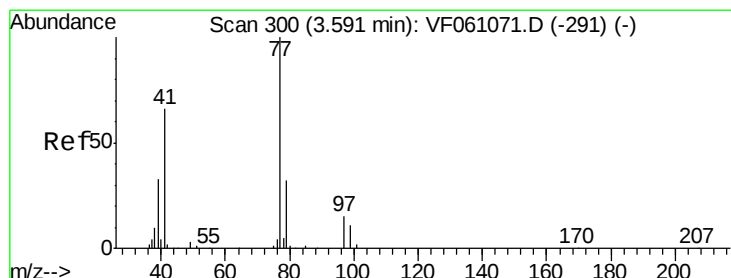
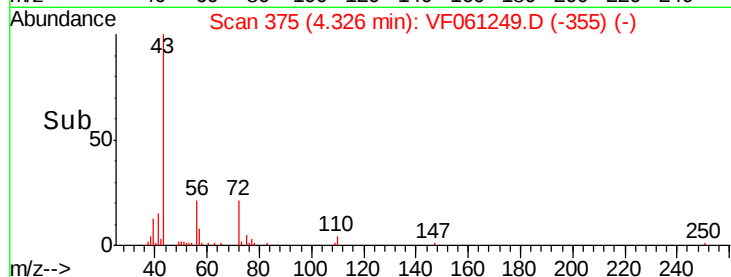
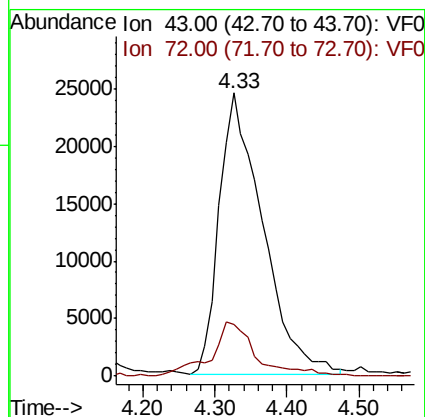
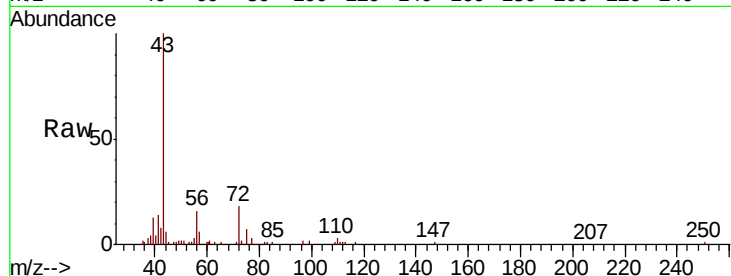
VF0102SBSD01

Tgt Ion: 43 Resp: 102282

Ion Ratio Lower Upper

43 100

72 18.4 15.6 23.4



#26

2,2-Dichloropropane

Concen: 24.705 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061249.D

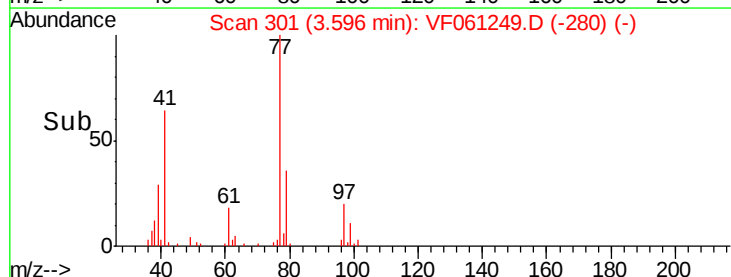
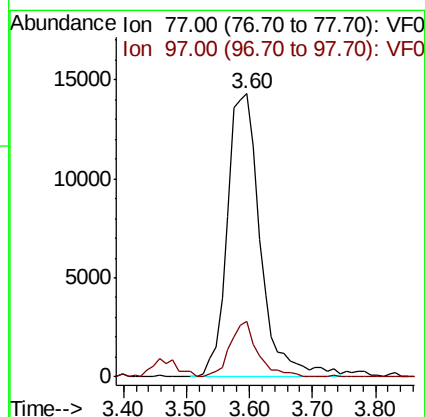
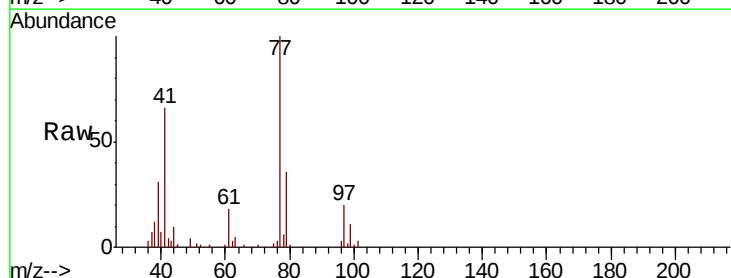
Acq: 2 Jan 2019 12:45

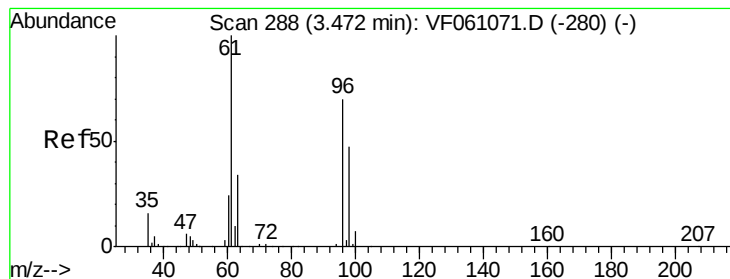
Tgt Ion: 77 Resp: 52016

Ion Ratio Lower Upper

77 100

97 19.5 8.2 24.4





#27

cis-1,2-Dichloroethene

Concen: 20.588 ug/l

RT: 3.47 min Scan# 288

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

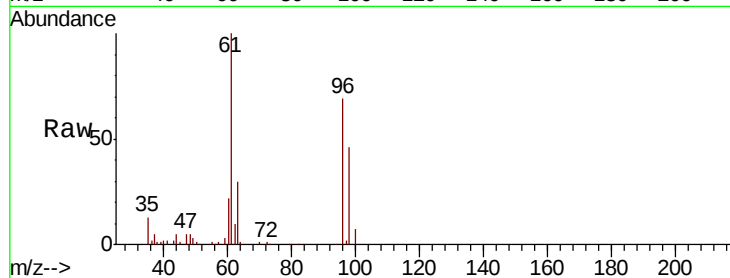
Tgt Ion: 96 Resp: 60219

Ion Ratio Lower Upper

96 100

61 144.1 0.0 287.8

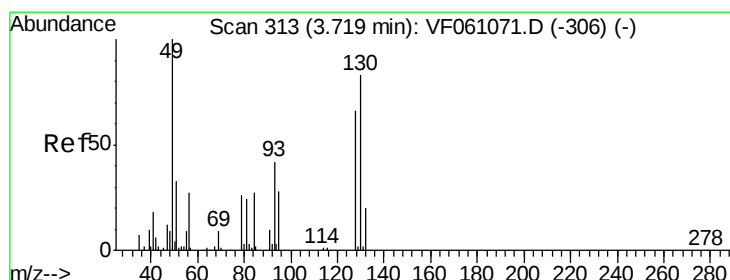
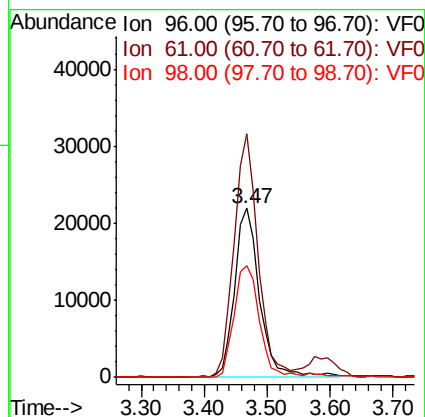
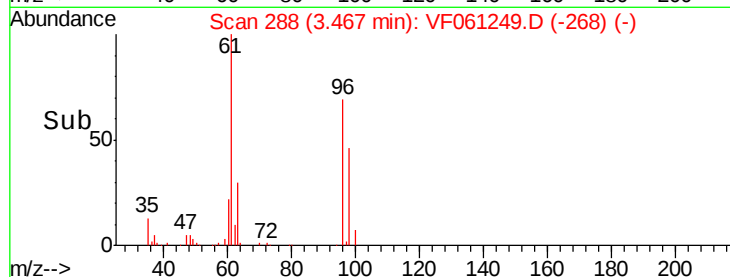
98 66.3 0.0 134.2



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane

Concen: 21.728 ug/l

RT: 3.71 min Scan# 313

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

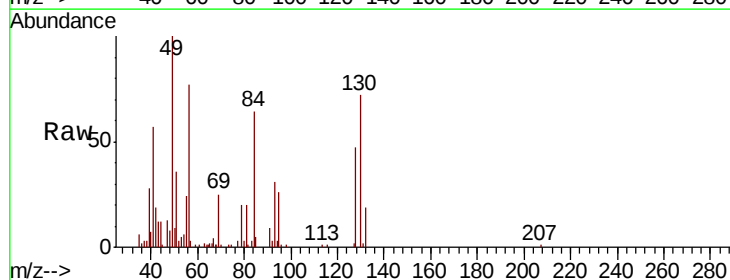
Tgt Ion: 49 Resp: 40449

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

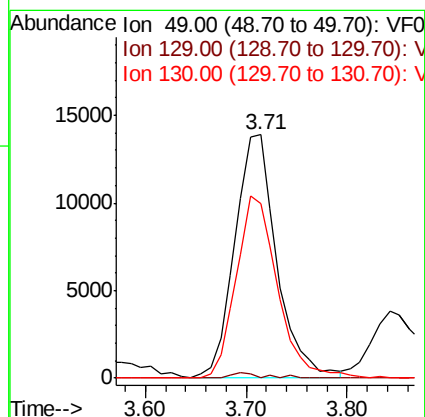
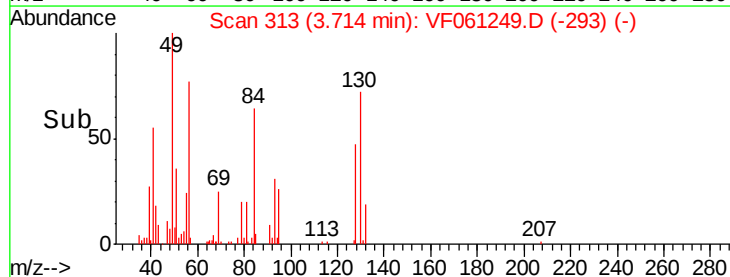
130 71.6 65.8 98.6

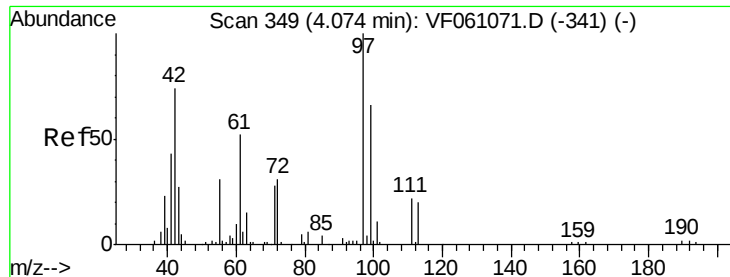


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 142.440 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.02 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

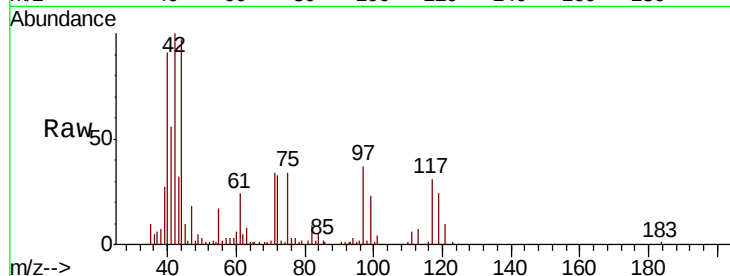
Tgt Ion: 42 Resp: 48991

Ion Ratio Lower Upper

42 100

72 36.1 31.8 47.8

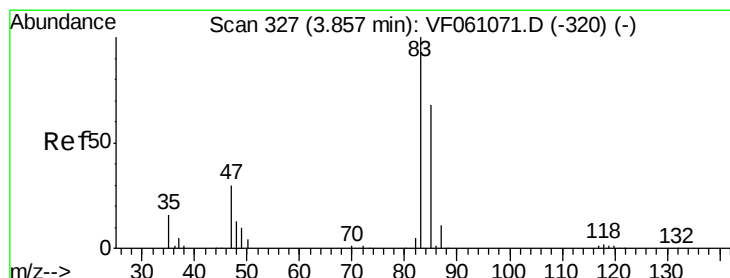
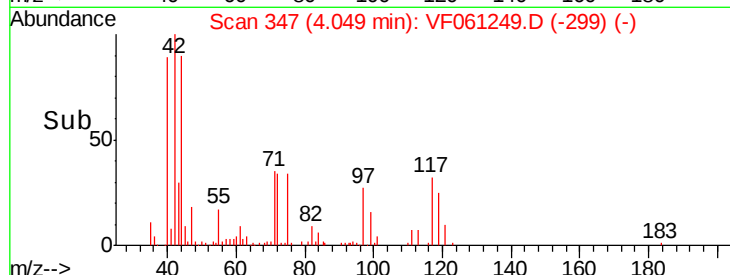
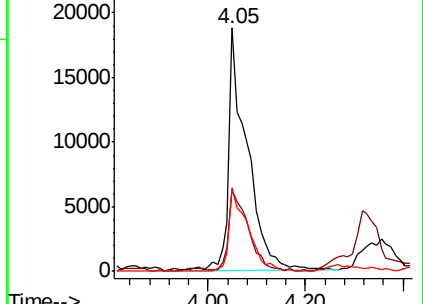
71 35.3 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 20.620 ug/l

RT: 3.85 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF061249.D

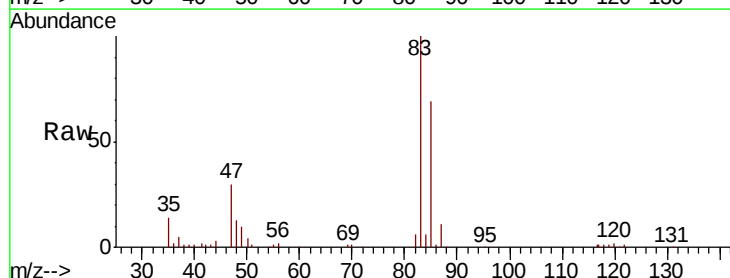
Acq: 2 Jan 2019 12:45

Tgt Ion: 83 Resp: 113438

Ion Ratio Lower Upper

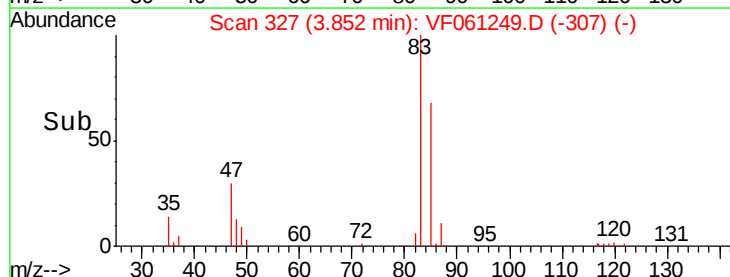
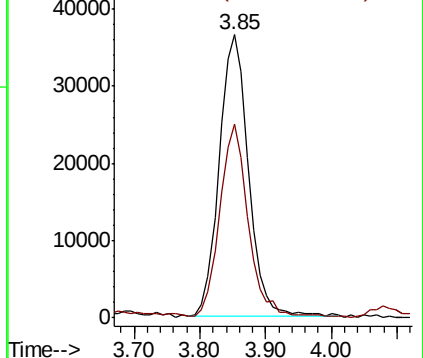
83 100

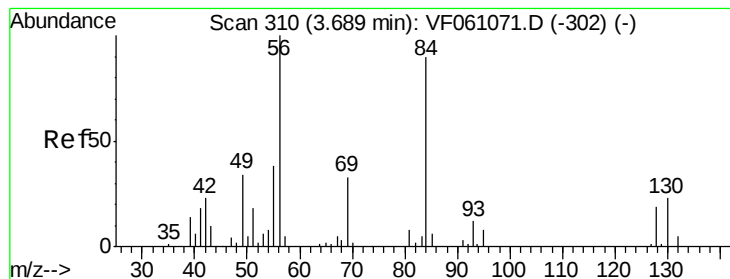
85 68.6 54.5 81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 22.422 ug/l

RT: 3.68 min Scan# 310

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

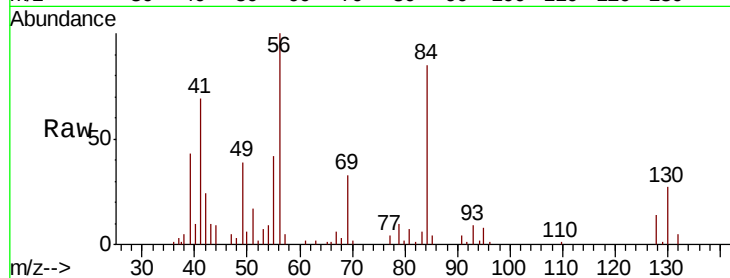
Tgt Ion: 56 Resp: 85362

Ion Ratio Lower Upper

56 100

69 32.6 26.0 39.0

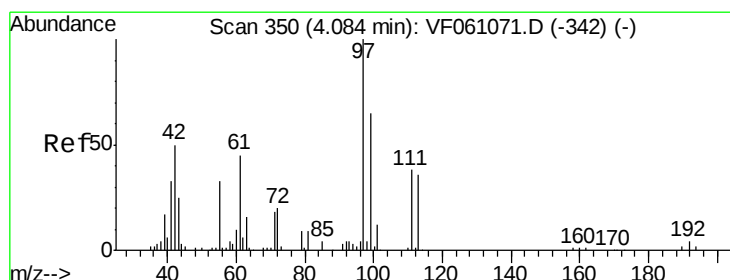
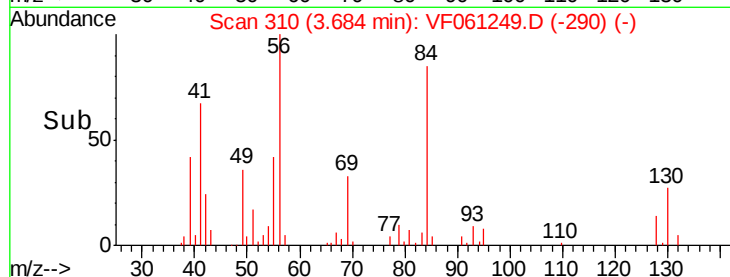
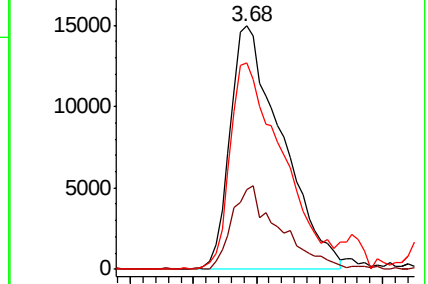
84 84.9 71.4 107.2



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: 25.797 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

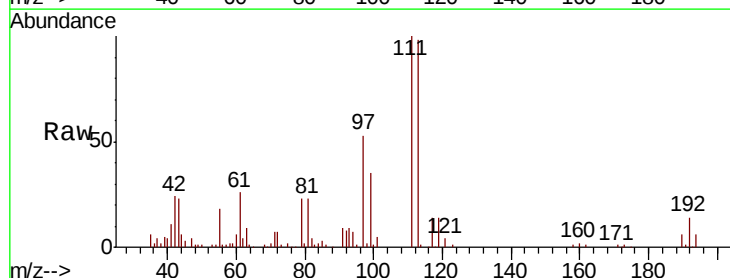
Tgt Ion: 97 Resp: 85063

Ion Ratio Lower Upper

97 100

99 66.7 51.6 77.4

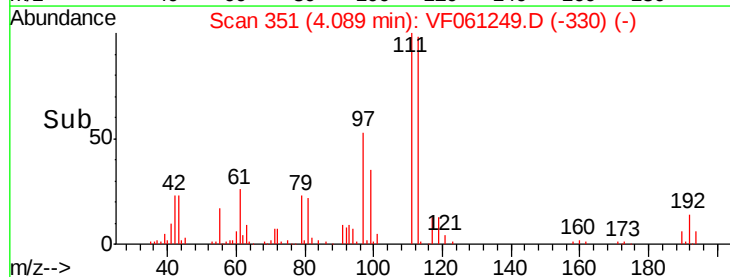
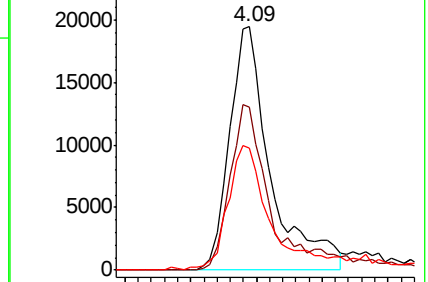
61 49.9 36.2 54.2

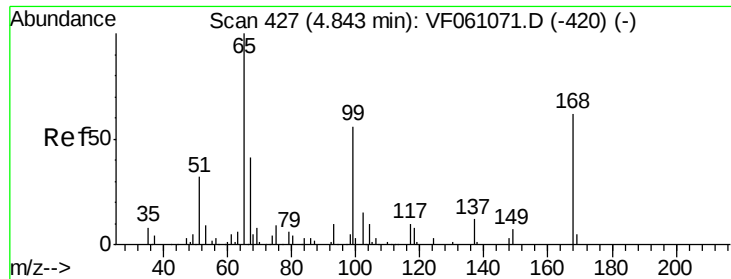


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 46.973 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

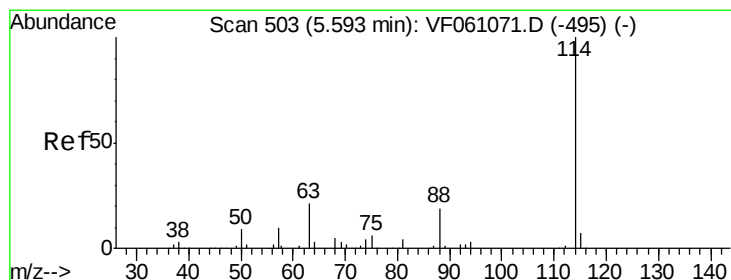
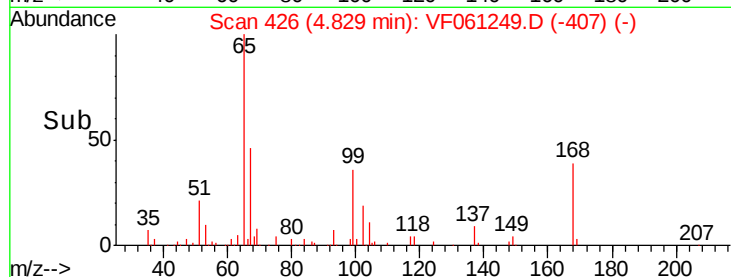
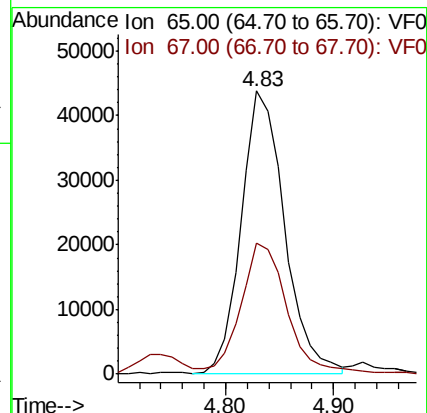
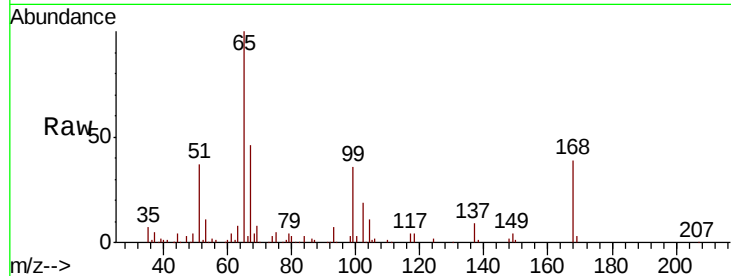
VF0102SBSD01

Tgt Ion: 65 Resp: 122430

Ion Ratio Lower Upper

65 100

67 46.2 0.0 94.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

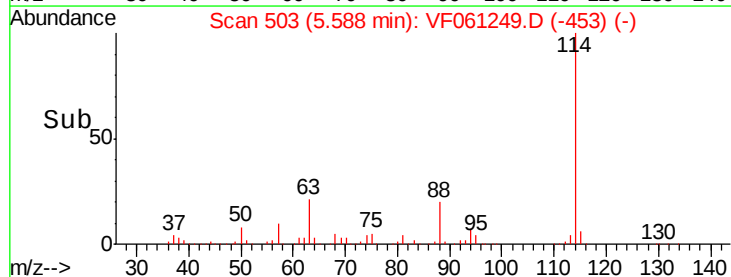
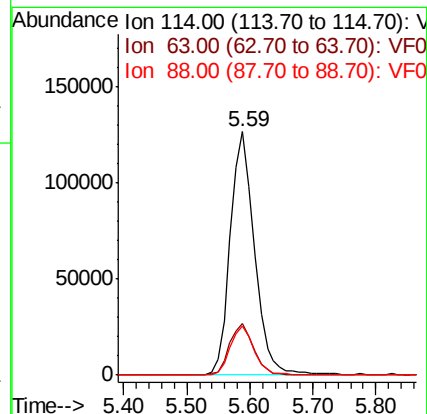
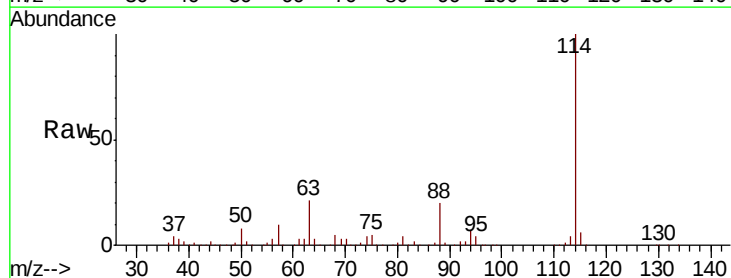
Tgt Ion: 114 Resp: 338704

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.6

88 20.0 0.0 38.0





#35

Dibromofluoromethane

Concen: 51.143 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

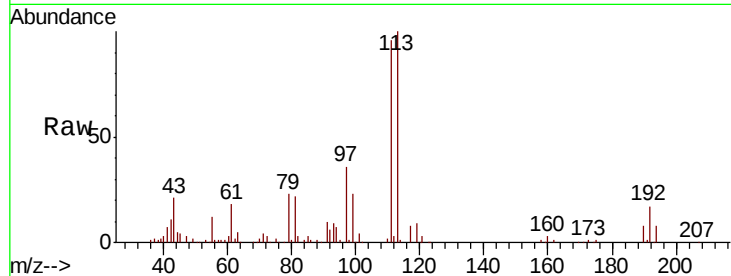
Tgt Ion: 113 Resp: 138762

Ion Ratio Lower Upper

113 100

111 96.0 85.2 127.8

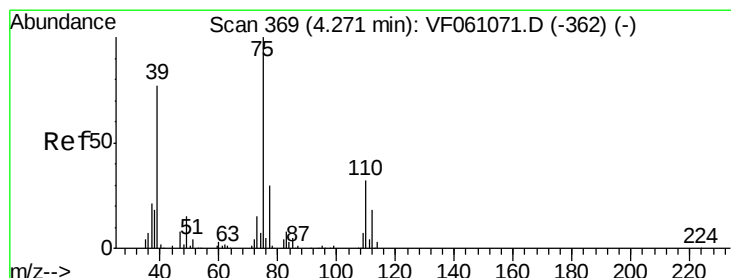
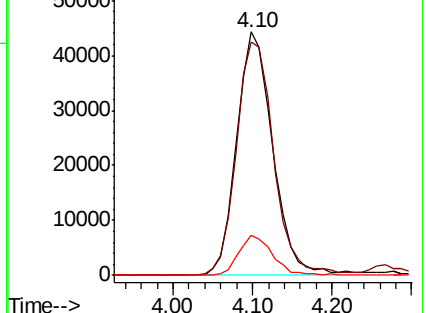
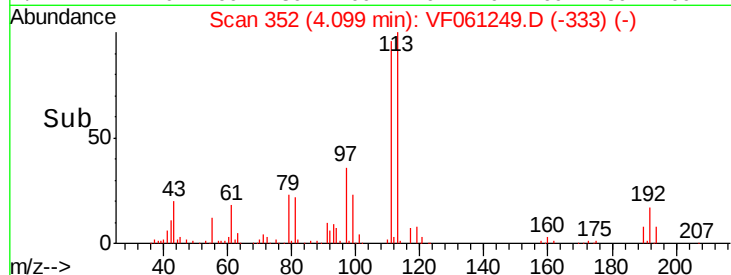
192 16.6 12.8 19.2



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.231 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

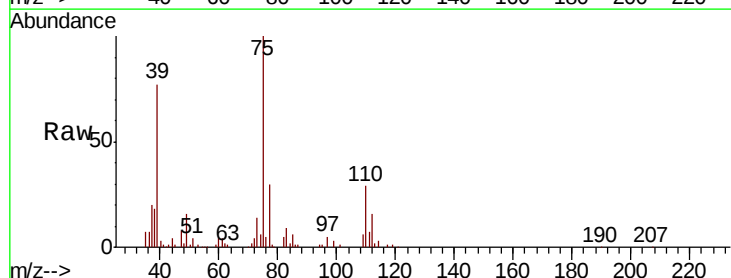
Tgt Ion: 75 Resp: 82710

Ion Ratio Lower Upper

75 100

110 29.0 16.1 48.2

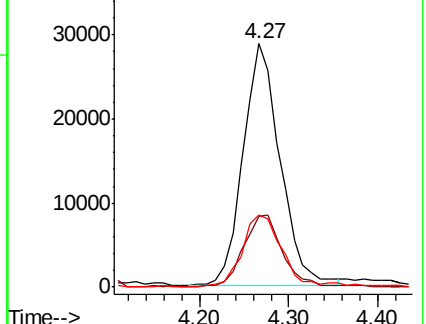
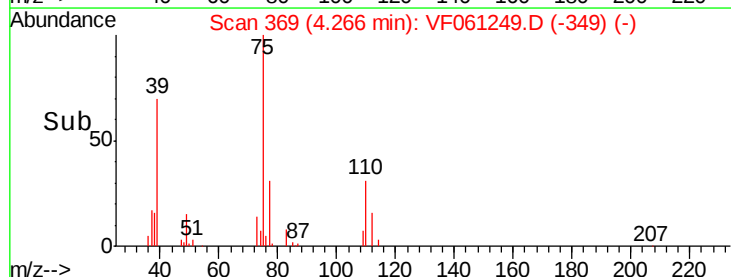
77 29.7 24.5 36.7

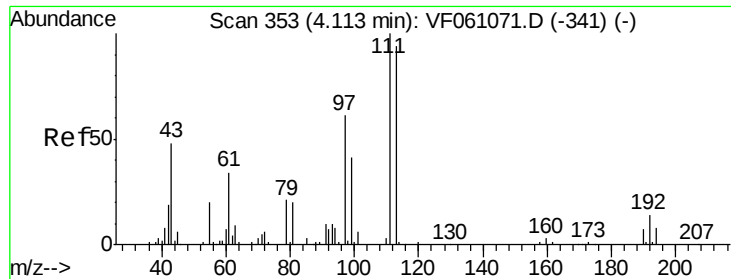


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

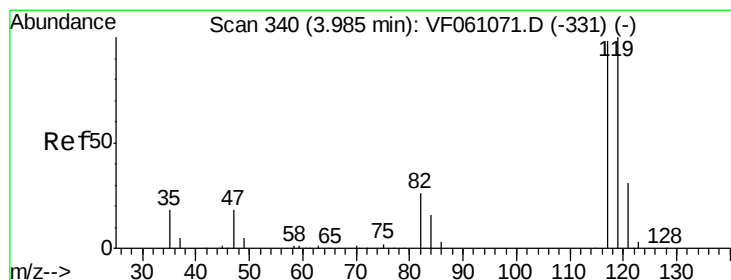
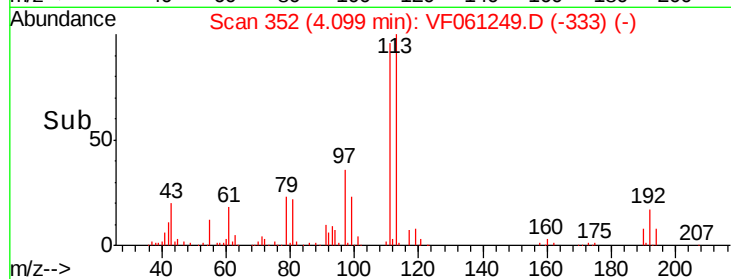
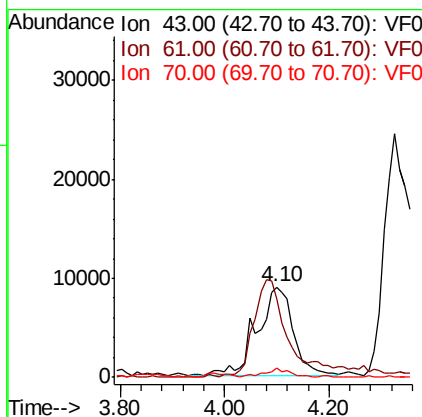
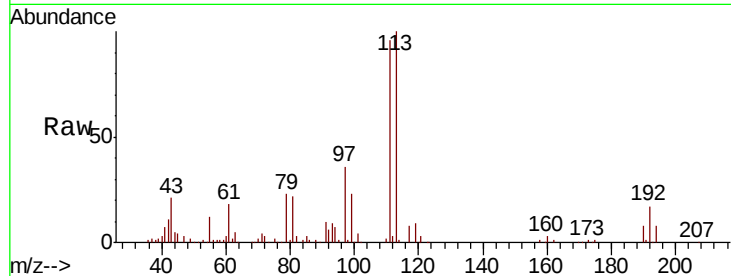




#37
 Ethyl Acetate
 Concen: 24.223 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

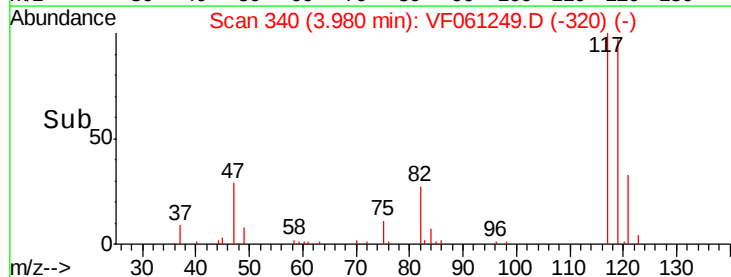
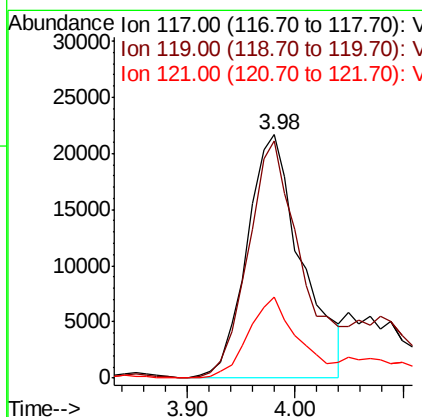
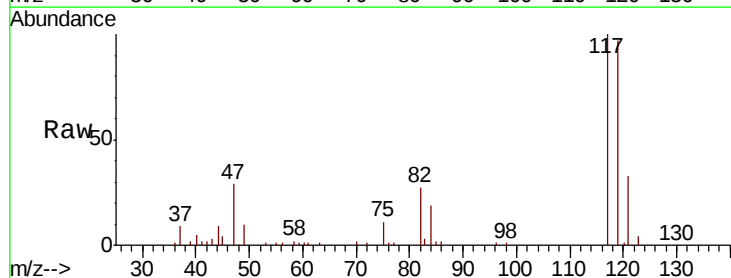
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBSD01

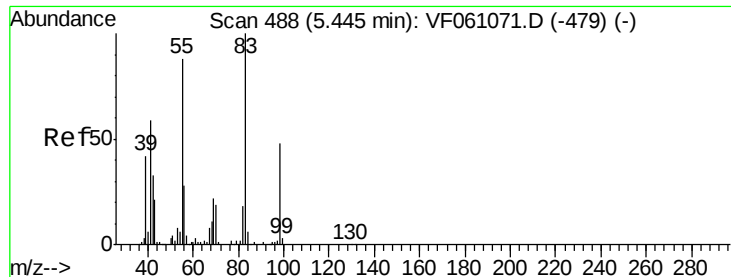
Tgt Ion: 43 Resp: 42091
 Ion Ratio Lower Upper
 43 100
 61 87.0 56.6 84.8#
 70 10.2 6.3 9.5#



#38
 Carbon Tetrachloride
 Concen: 24.538 ug/l
 RT: 3.98 min Scan# 340
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Tgt Ion: 117 Resp: 76400
 Ion Ratio Lower Upper
 117 100
 119 97.3 82.1 123.1
 121 33.4 25.5 38.3

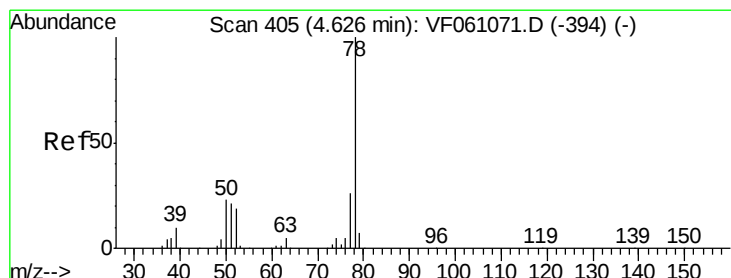
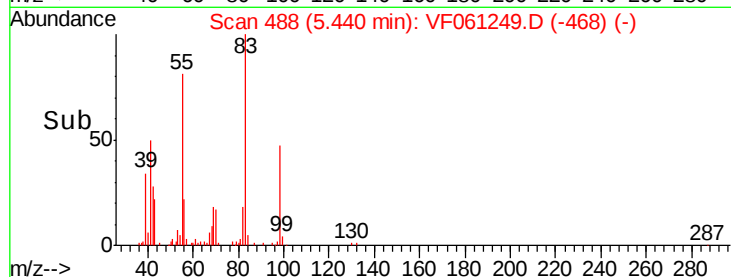
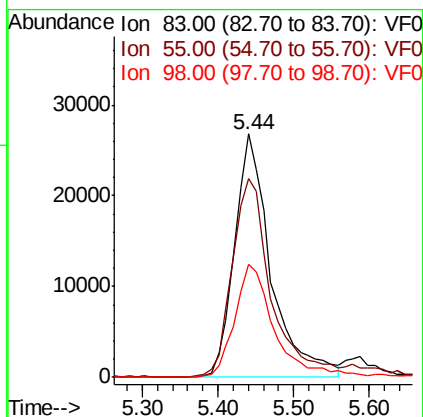
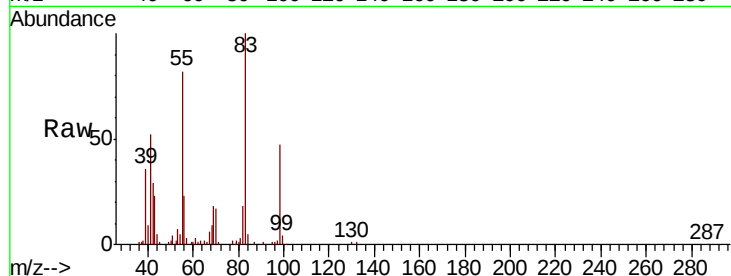




#39
Methylcyclohexane
Concen: 24.425 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

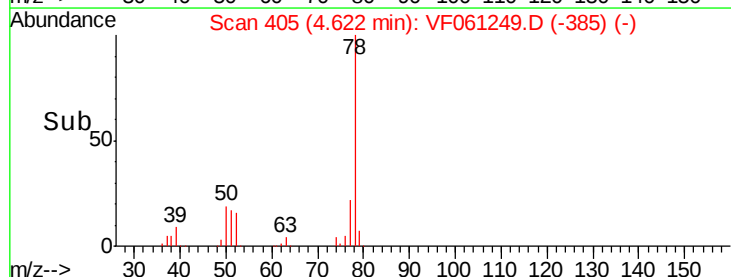
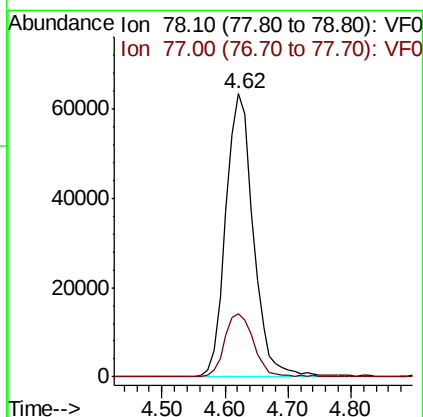
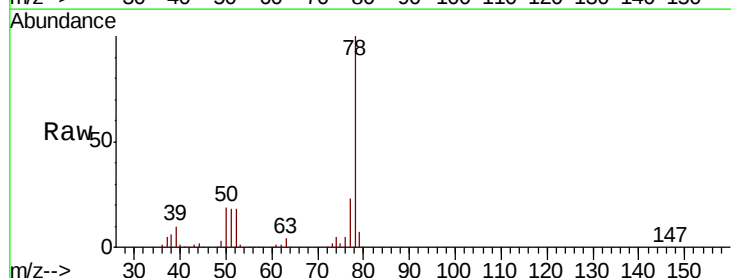
Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

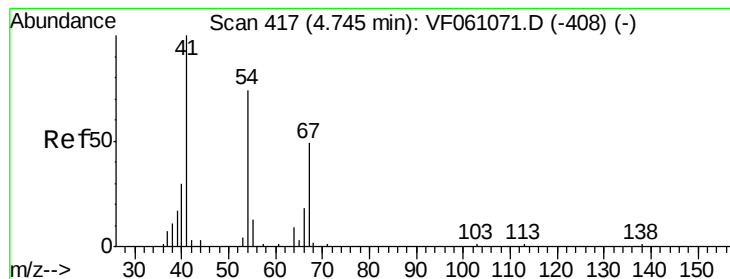
Tgt Ion: 83 Resp: 89587
Ion Ratio Lower Upper
83 100
55 81.7 70.6 105.8
98 46.6 38.5 57.7



#40
Benzene
Concen: 21.859 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion: 78 Resp: 192190
Ion Ratio Lower Upper
78 100
77 22.5 20.7 31.1





#41

Methacrylonitrile

Concen: 25.267 ug/l

RT: 4.74 min Scan# 417

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

Tgt Ion: 41 Resp: 21816

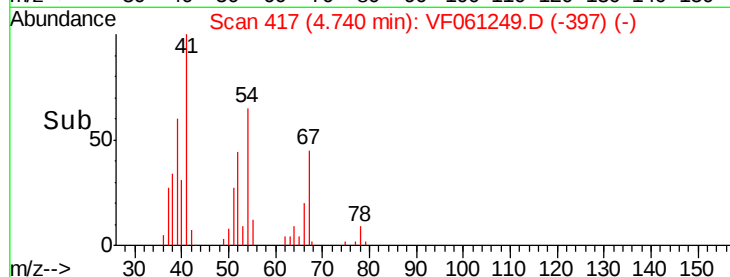
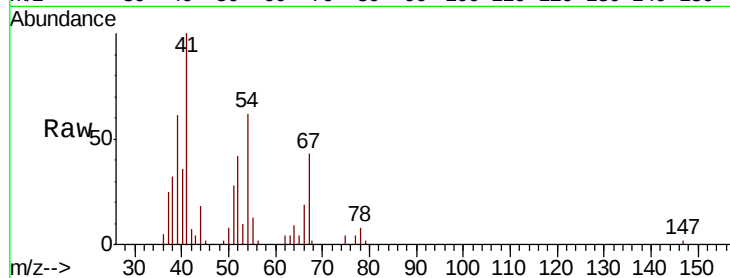
Ion Ratio Lower Upper

41 100

39 61.4 45.7 68.5

67 43.0 38.9 58.3

52 41.5 35.2 52.8

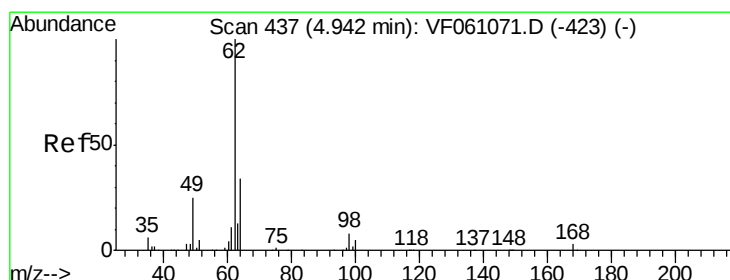
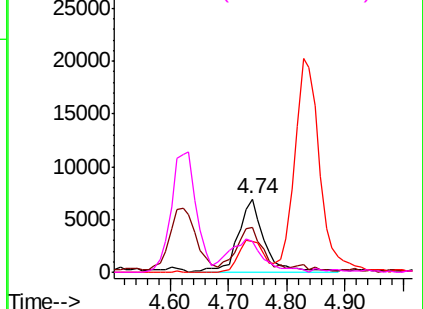


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 19.877 ug/l

RT: 4.93 min Scan# 436

Delta R.T. -0.01 min

Lab File: VF061249.D

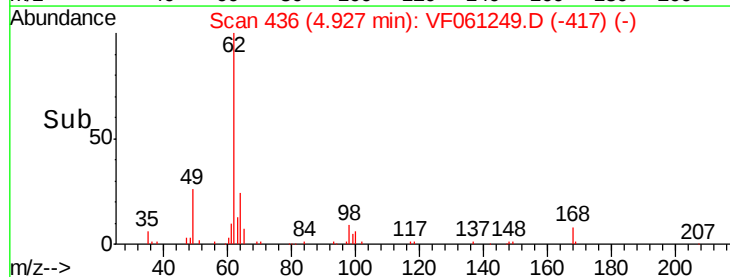
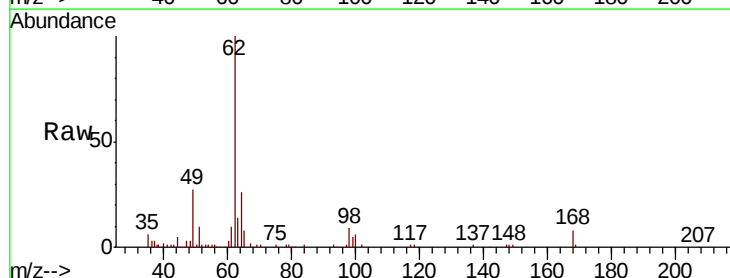
Acq: 2 Jan 2019 12:45

Tgt Ion: 62 Resp: 66389

Ion Ratio Lower Upper

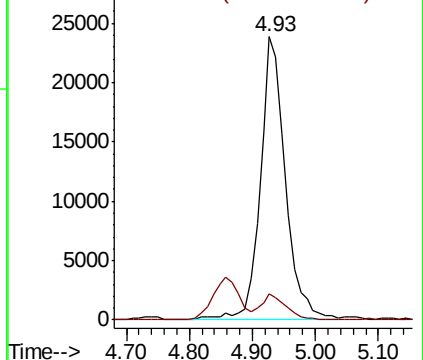
62 100

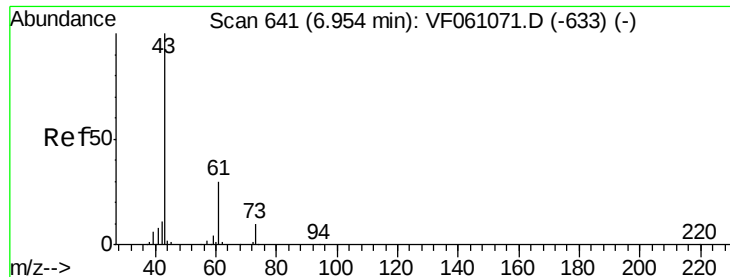
98 9.1 0.0 16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 22.716 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

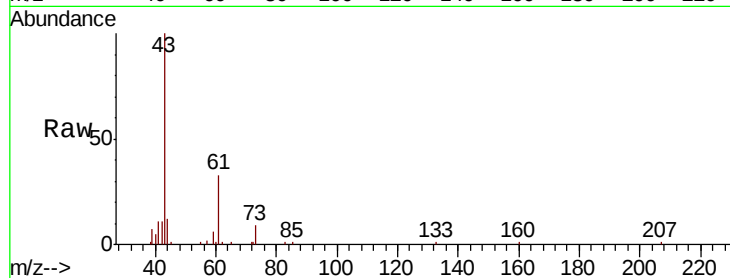
Tgt Ion: 43 Resp: 44844

Ion Ratio Lower Upper

43 100

61 32.7 23.8 35.8

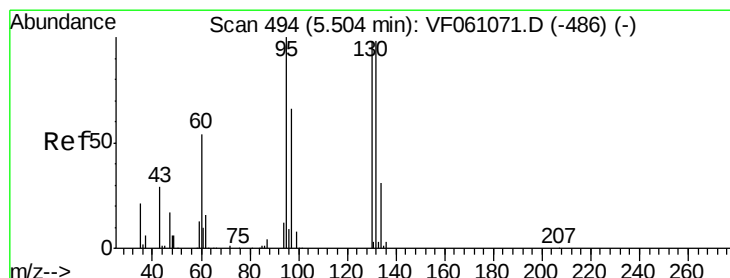
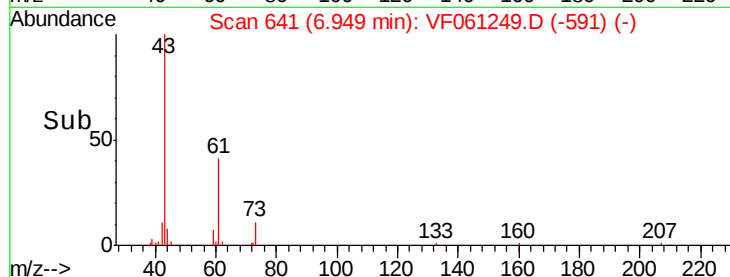
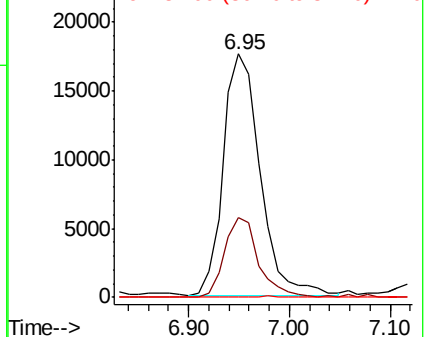
87 0.0 0.0 0.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 22.312 ug/l

RT: 5.49 min Scan# 493

Delta R.T. -0.01 min

Lab File: VF061249.D

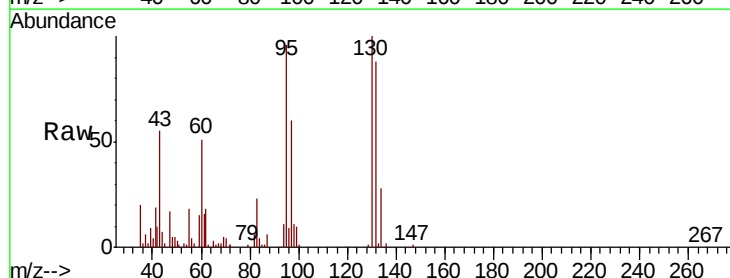
Acq: 2 Jan 2019 12:45

Tgt Ion: 130 Resp: 61847

Ion Ratio Lower Upper

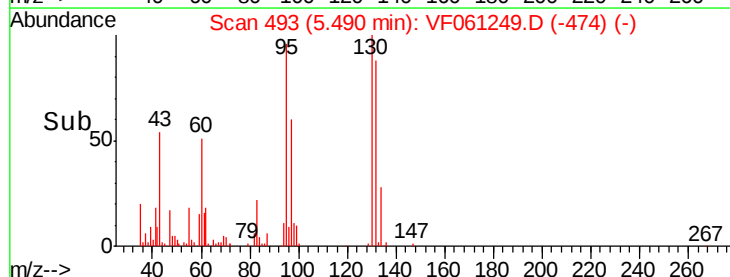
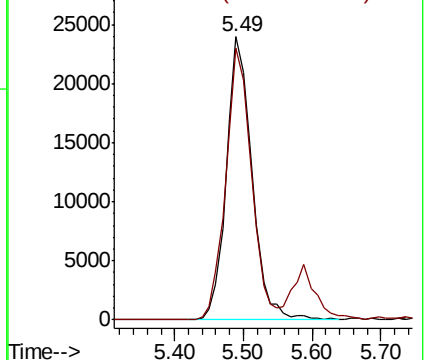
130 100

95 95.8 0.0 205.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.863 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

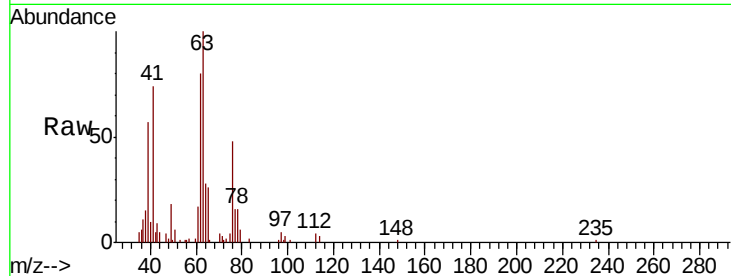
VF0102SBSD01

Tgt Ion: 63 Resp: 52298

Ion Ratio Lower Upper

63 100

65 26.2 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.23

20000

15000

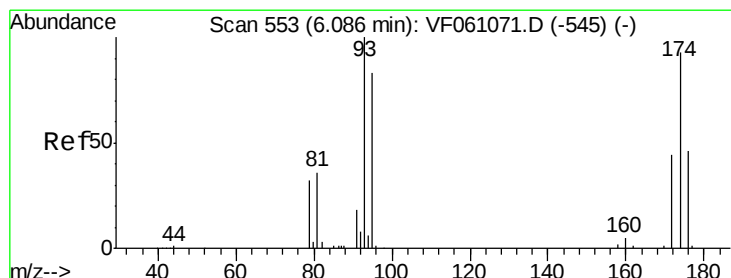
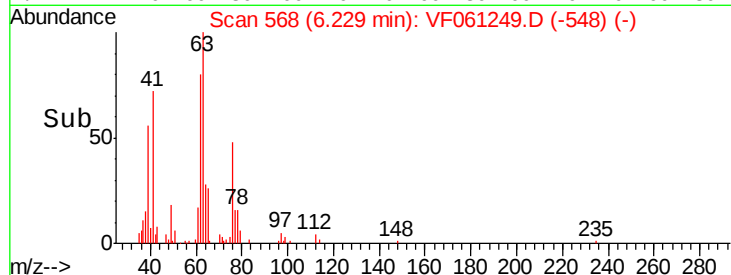
10000

5000

0

6.10 6.20 6.30 6.40

Time-->



#46

Dibromomethane

Concen: 21.295 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

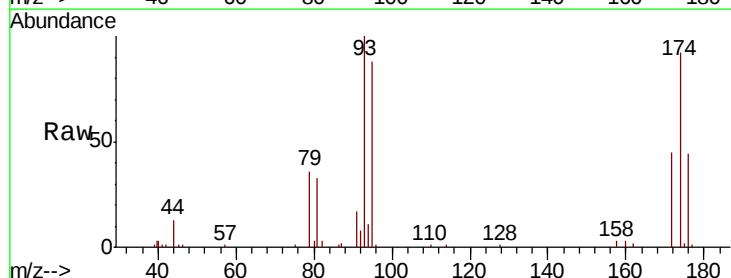
Tgt Ion: 93 Resp: 33038

Ion Ratio Lower Upper

93 100

95 88.4 66.9 100.3

174 92.5 74.1 111.1



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

6.08

15000

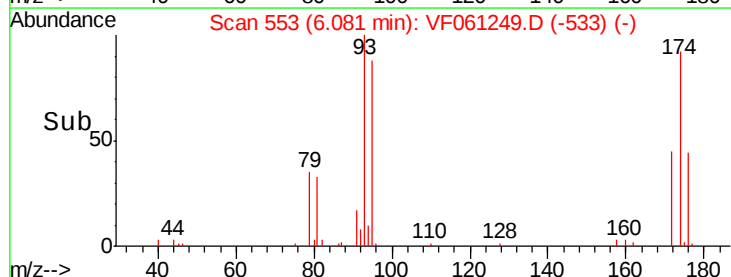
10000

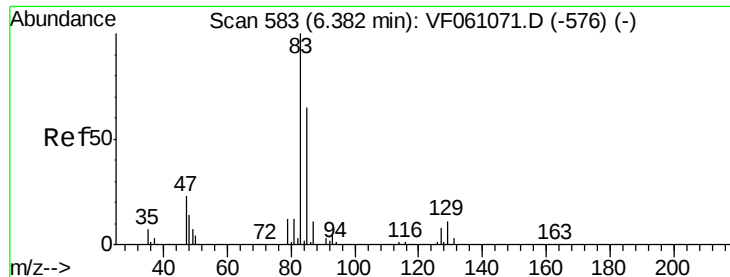
5000

0

6.00 6.10 6.20

Time-->





#47

Bromodichloromethane

Concen: 21.241 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

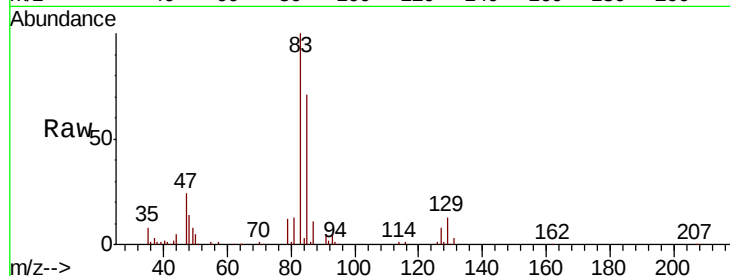
Tgt Ion: 83 Resp: 85624

Ion Ratio Lower Upper

83 100

85 70.6 52.2 78.4

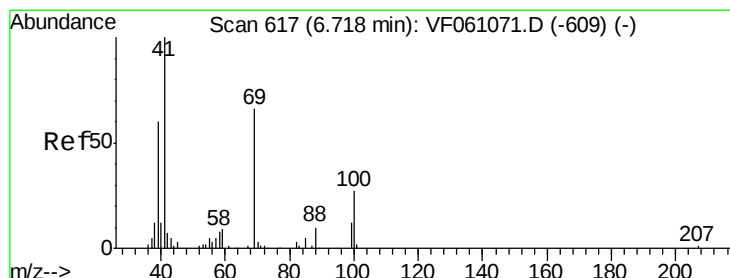
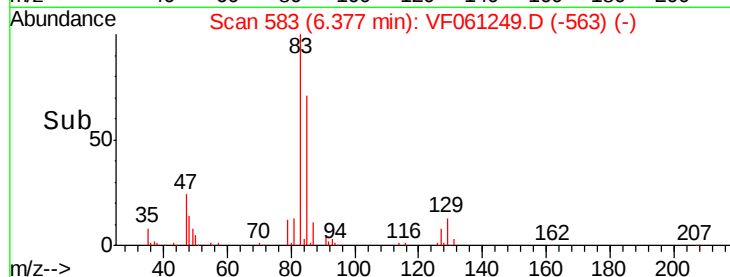
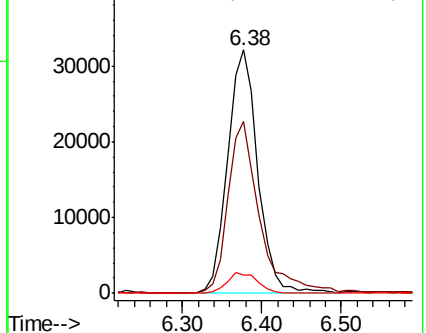
127 7.8 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 22.248 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

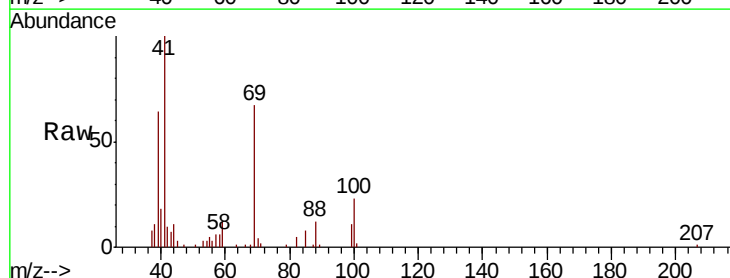
Tgt Ion: 41 Resp: 30661

Ion Ratio Lower Upper

41 100

69 67.3 52.7 79.1

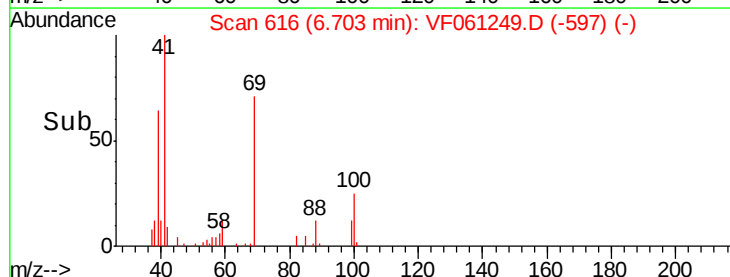
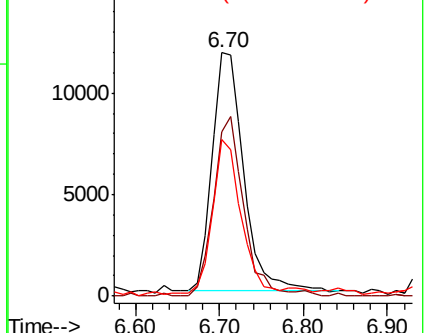
39 64.4 47.8 71.6



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

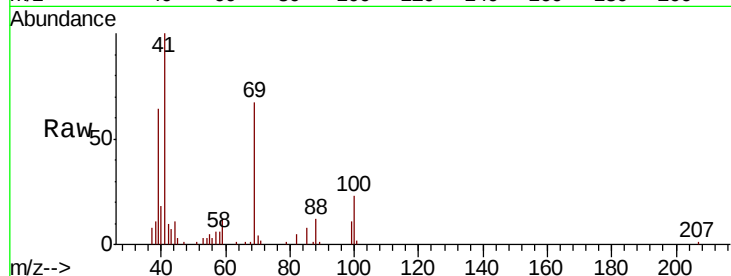




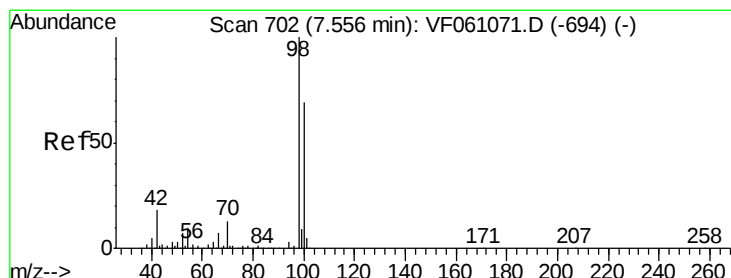
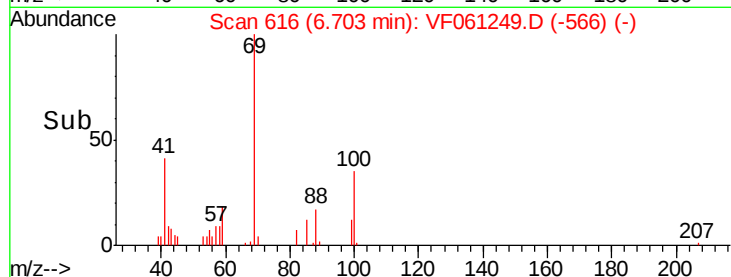
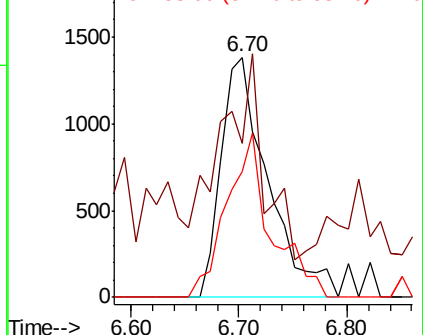
#49
1,4-Dioxane
Concen: 417.317 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tgt Ion: 88 Resp: 4173
Ion Ratio Lower Upper
88 100
43 64.4 33.3 49.9#
58 52.6 53.2 79.8#

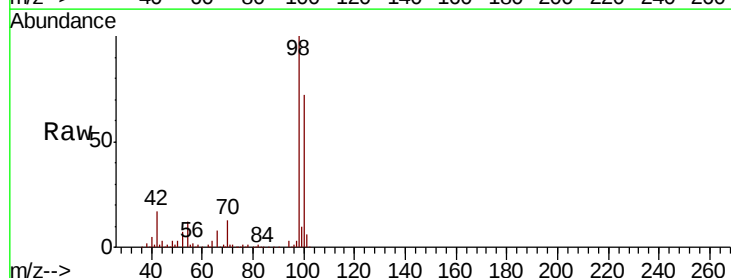


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

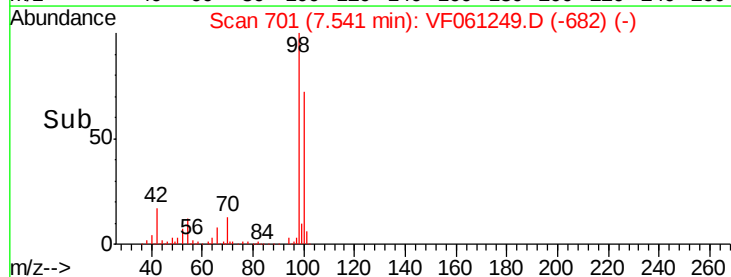
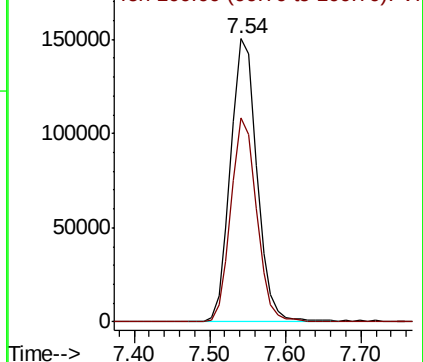


#50
Toluene-d8
Concen: 47.302 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion: 98 Resp: 363699
Ion Ratio Lower Upper
98 100
100 72.1 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 112.824 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

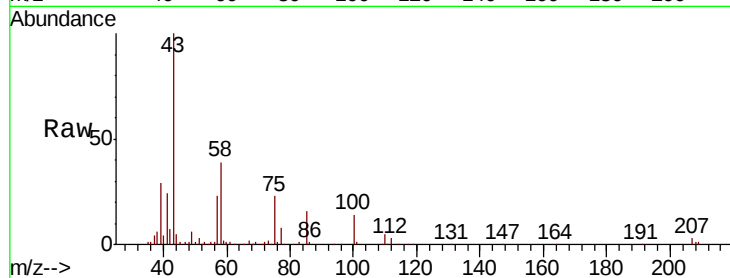
VF0102SBSD01

Tgt Ion: 43 Resp: 152749

Ion Ratio Lower Upper

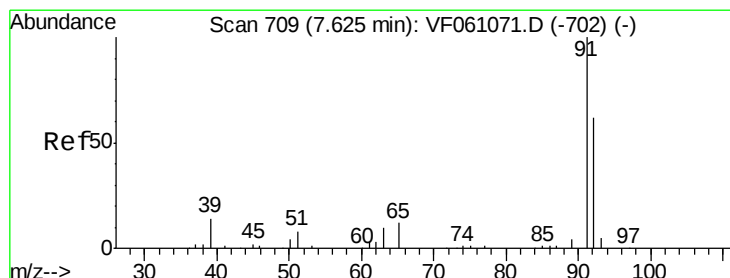
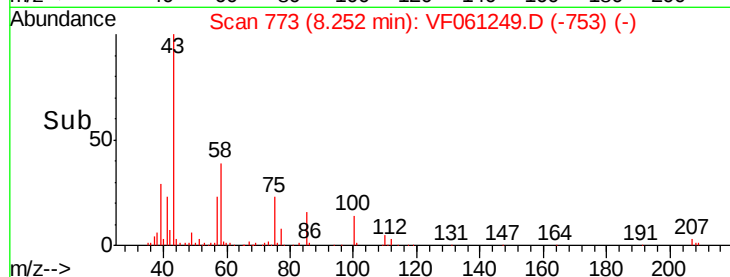
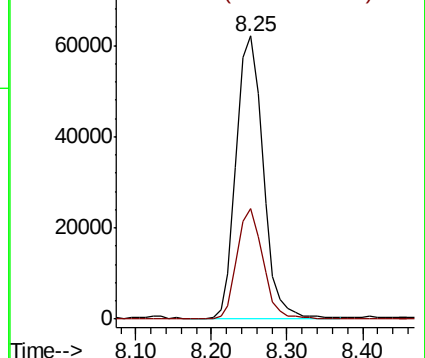
43 100

58 39.0 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.999 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061249.D

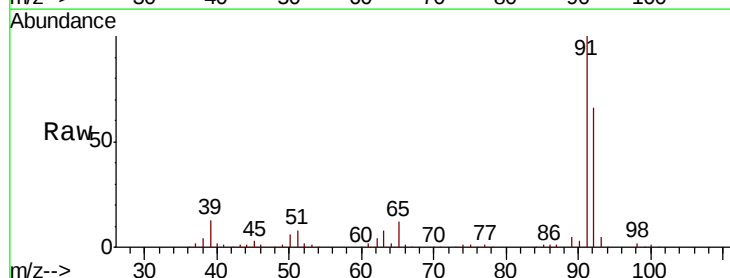
Acq: 2 Jan 2019 12:45

Tgt Ion: 92 Resp: 128033

Ion Ratio Lower Upper

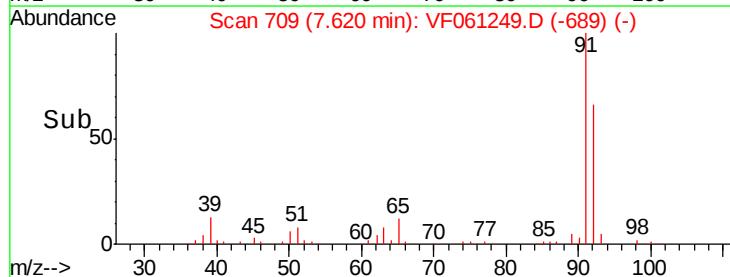
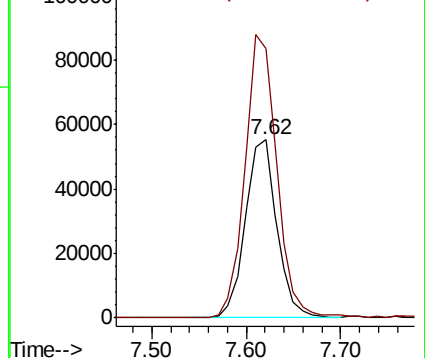
92 100

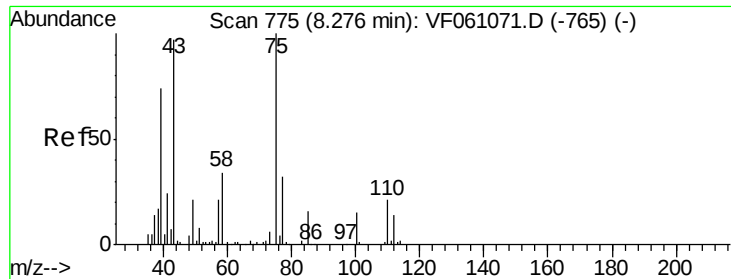
91 151.0 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 21.204 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

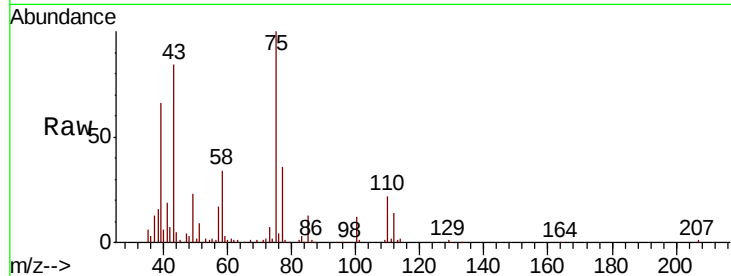
VF0102SBSD01

Tgt Ion: 75 Resp: 68954

Ion Ratio Lower Upper

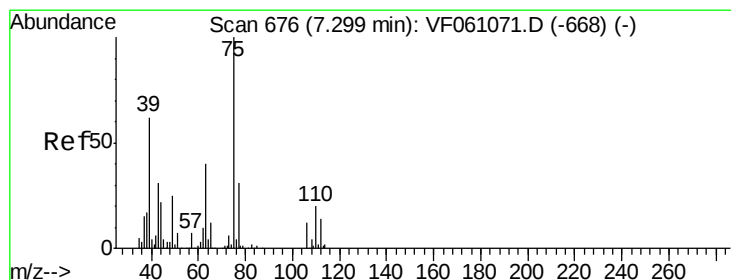
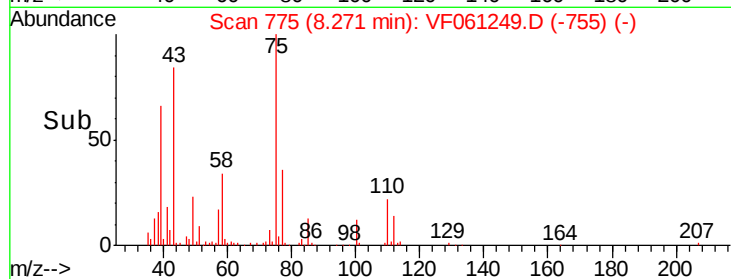
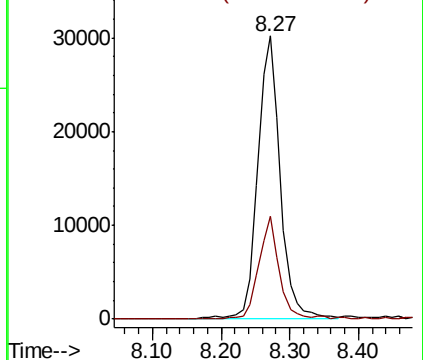
75 100

77 36.4 25.8 38.8



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: 22.365 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

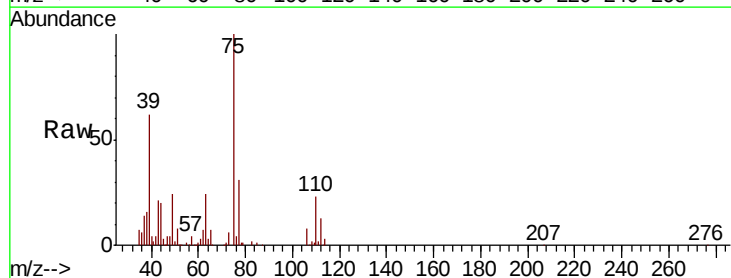
Tgt Ion: 75 Resp: 91280

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4

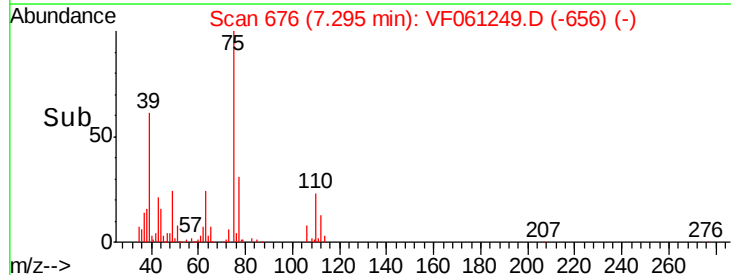
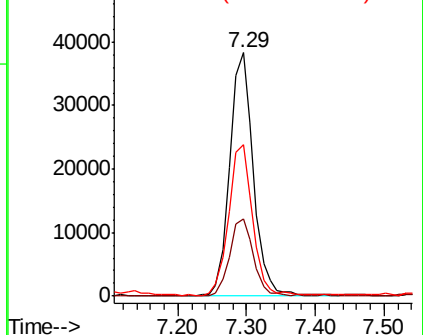
39 62.0 50.1 75.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 21.289 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

Tgt Ion: 97 Resp: 37144

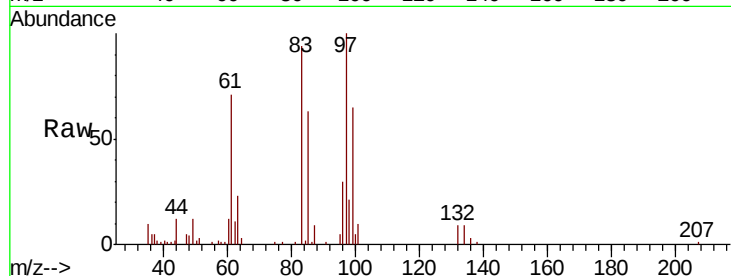
Ion Ratio Lower Upper

97 100

83 93.8 75.0 112.4

85 63.1 47.5 71.3

99 64.7 51.9 77.9

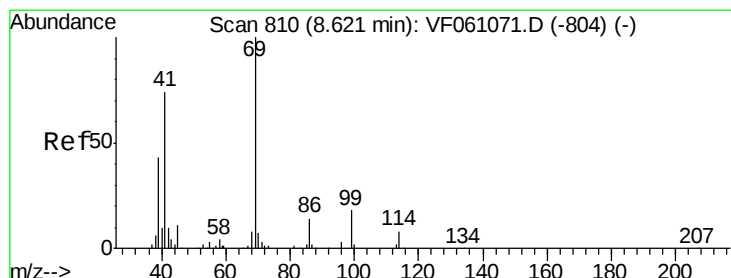
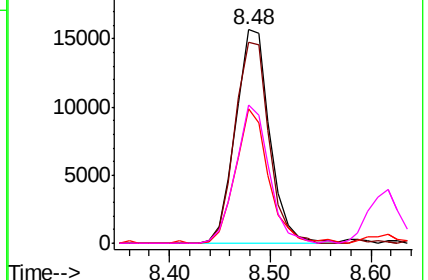
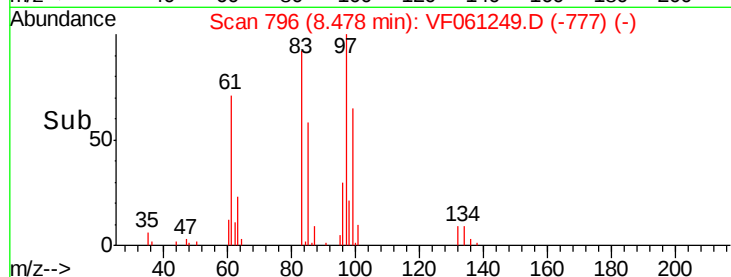


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 23.529 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

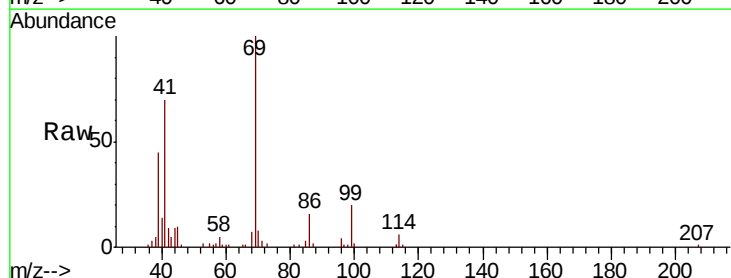
Tgt Ion: 69 Resp: 44422

Ion Ratio Lower Upper

69 100

41 70.5 59.7 89.5

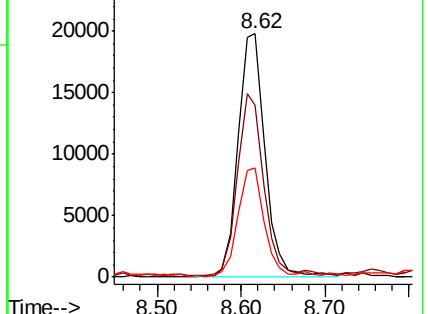
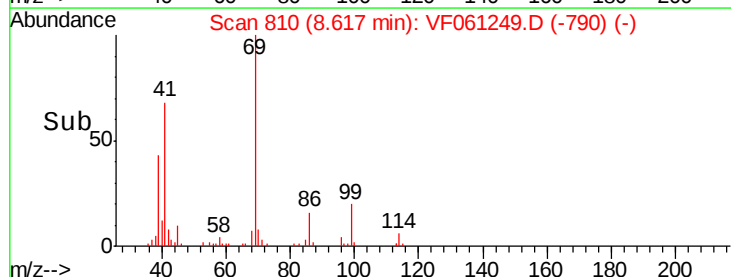
39 44.6 35.0 52.6

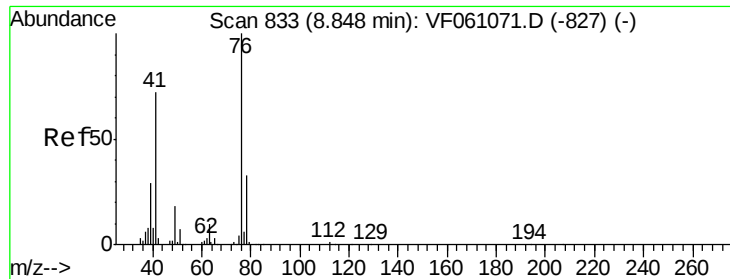


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

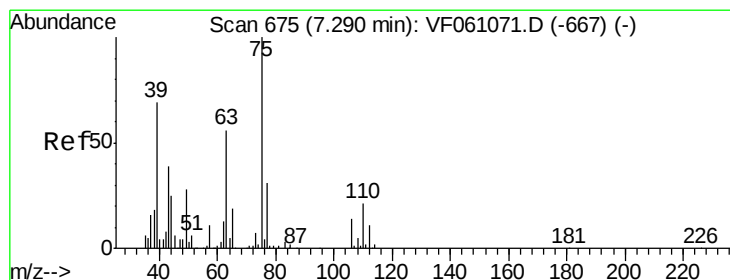
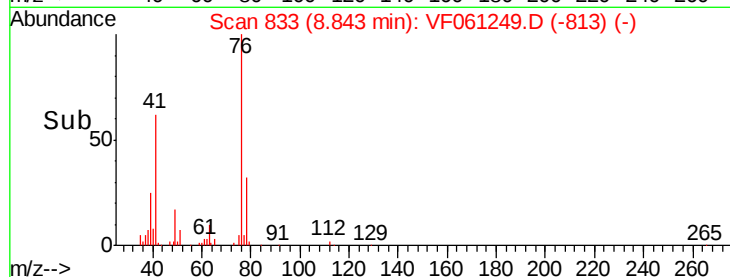
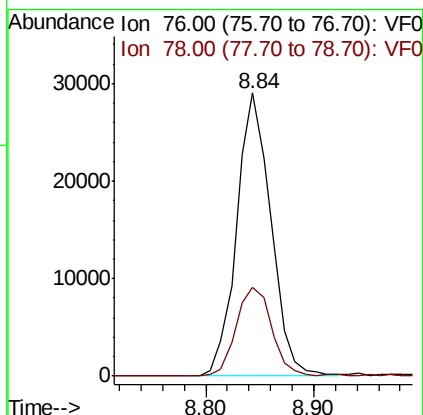
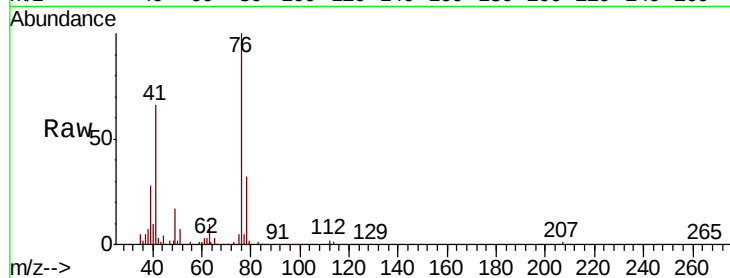




#57
 1,3-Dichloropropane
 Concen: 20.351 ug/l
 RT: 8.84 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

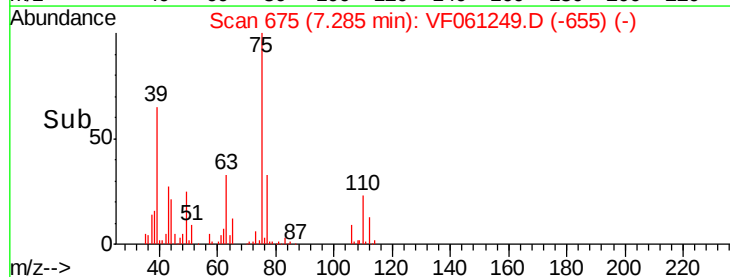
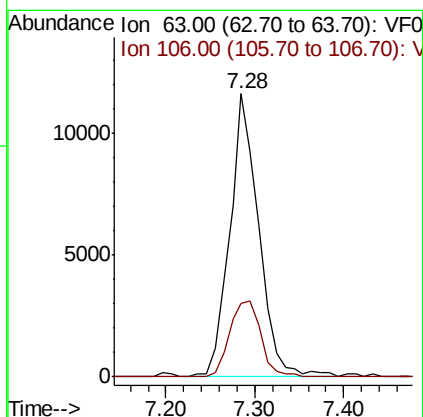
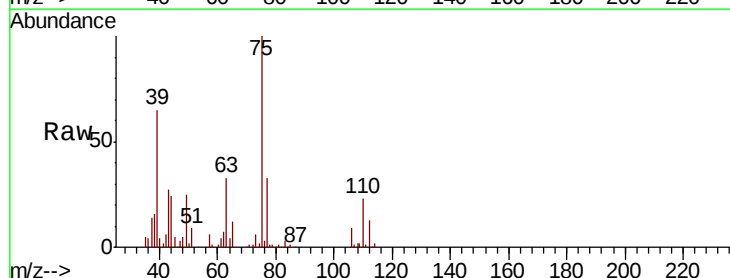
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBSD01

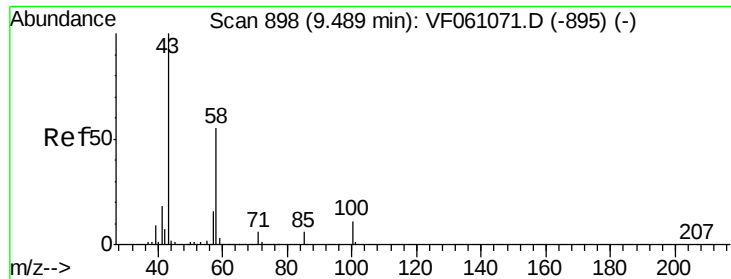
Tgt Ion: 76 Resp: 64220
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.5 39.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 73.127 ug/l
 RT: 7.28 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Tgt Ion: 63 Resp: 26515
 Ion Ratio Lower Upper
 63 100
 106 26.1 19.8 29.8

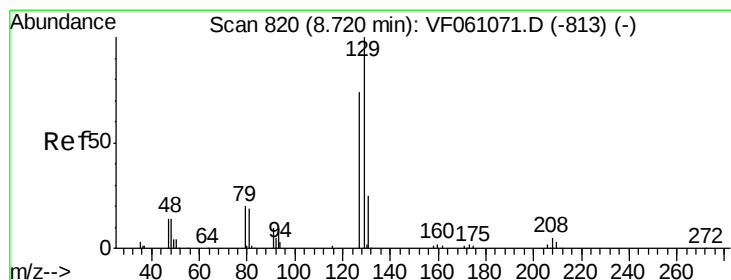
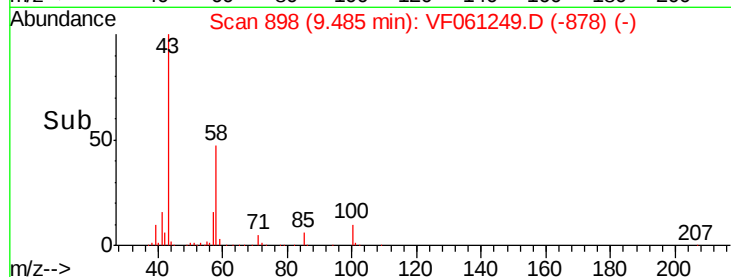
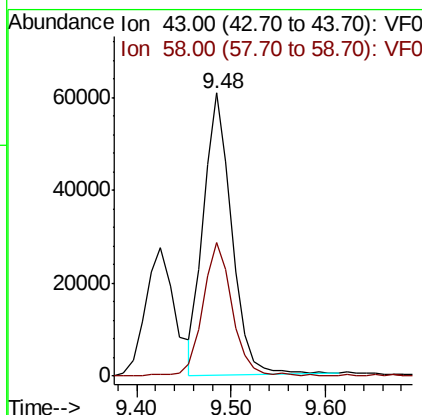
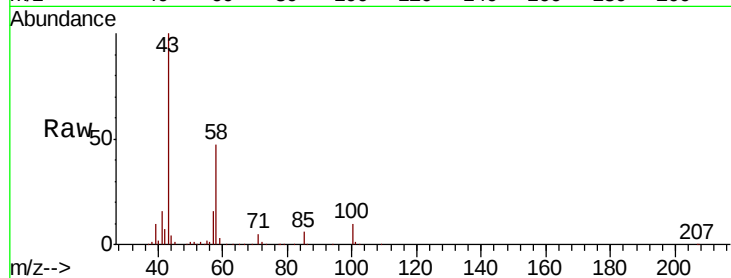




#59
2-Hexanone
Concen: 128.357 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

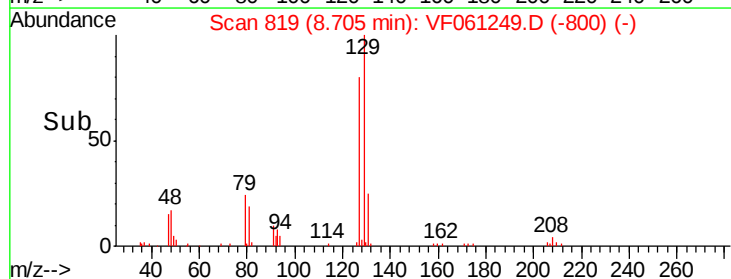
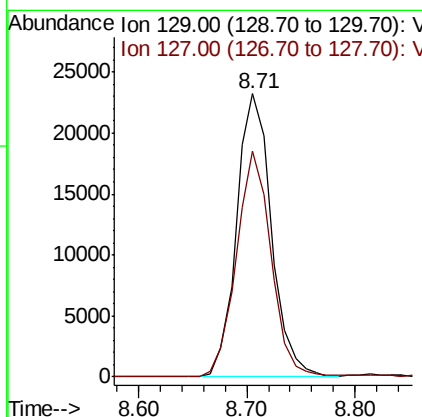
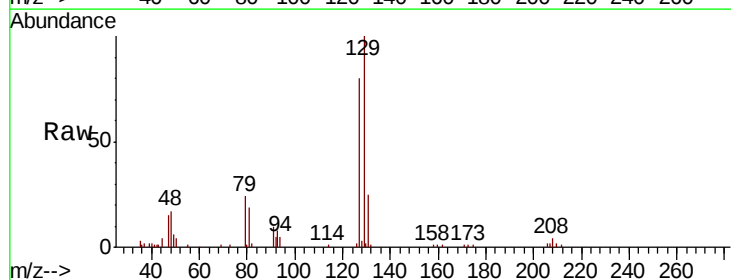
Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

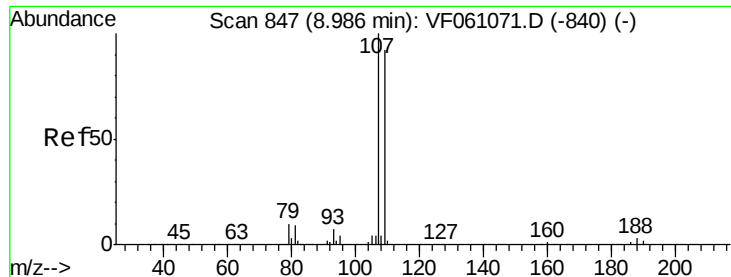
Tgt Ion: 43 Resp: 125673
Ion Ratio Lower Upper
43 100
58 47.3 25.1 75.2



#60
Dibromochloromethane
Concen: 20.758 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion: 129 Resp: 51916
Ion Ratio Lower Upper
129 100
127 79.7 36.8 110.3





#61

1,2-Dibromoethane

Concen: 21.968 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

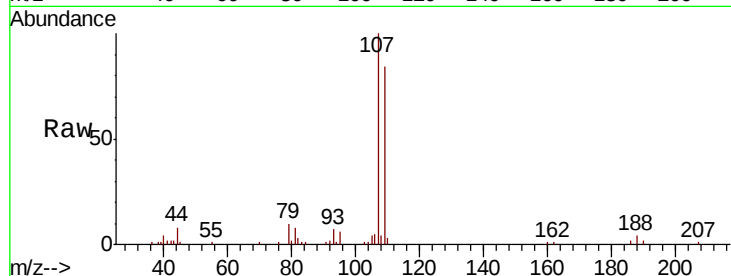
VF0102SBSD01

Tgt Ion: 107 Resp: 40934

Ion Ratio Lower Upper

107 100

109 83.5 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

20000

15000

10000

5000

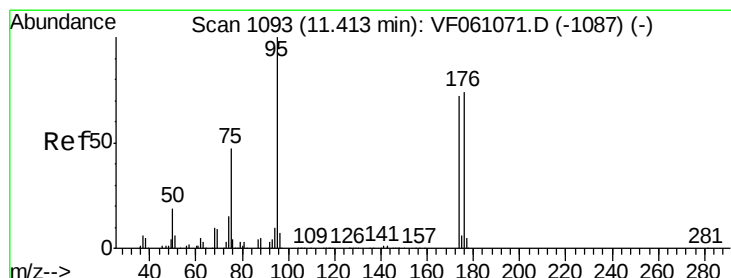
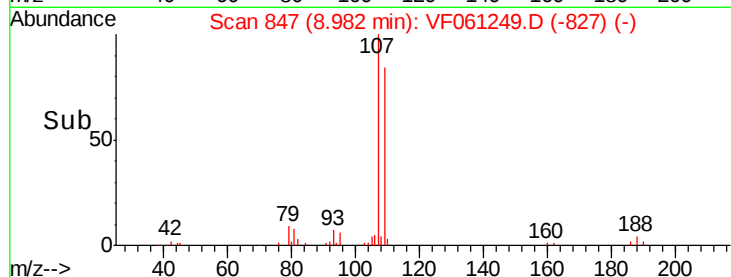
0

8.90

9.00

9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 47.058 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

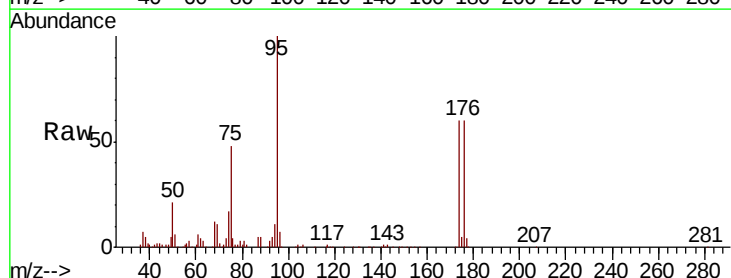
Tgt Ion: 95 Resp: 166808

Ion Ratio Lower Upper

95 100

174 60.3 0.0 143.8

176 60.4 0.0 147.6



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

120000

100000

80000

60000

40000

20000

0

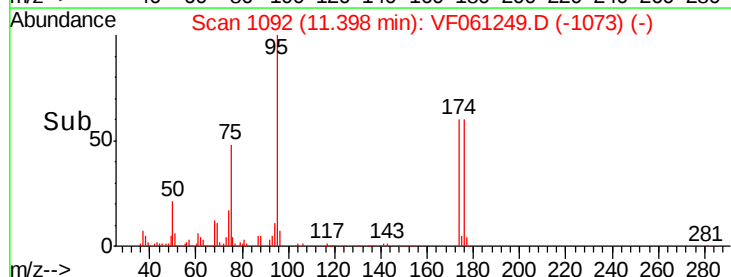
11.30

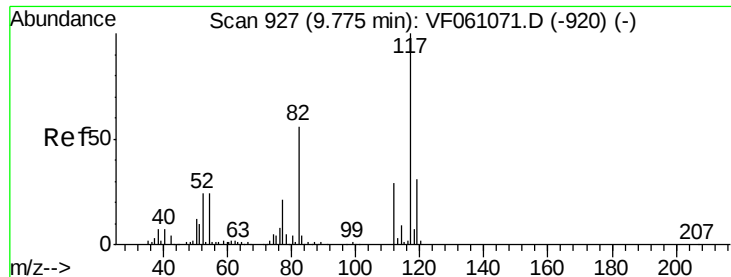
11.40

11.50

11.60

Time-->

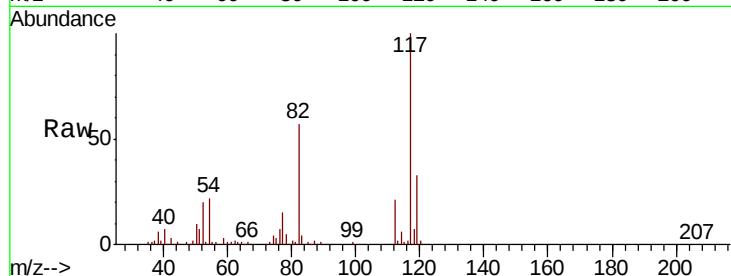




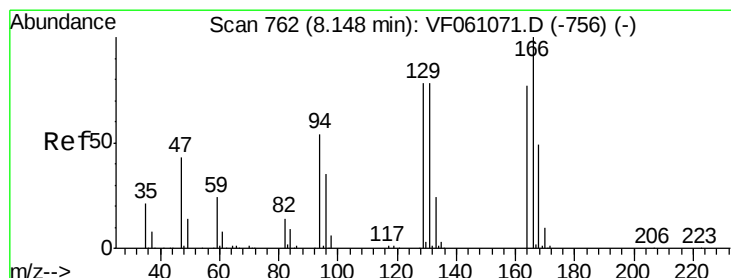
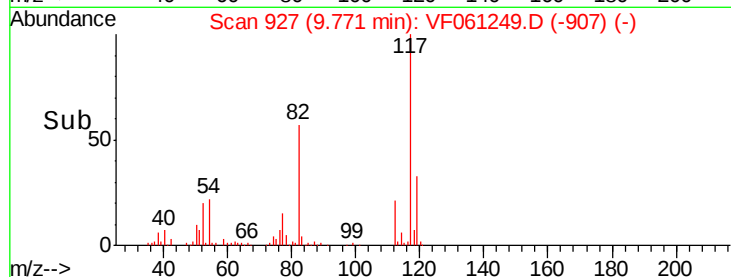
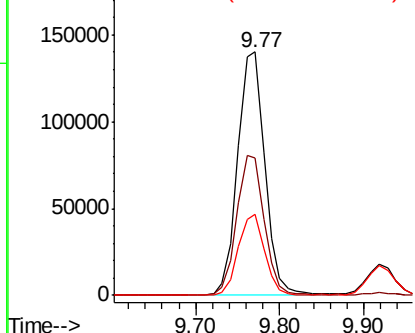
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

Tgt Ion:117 Resp: 318468
Ion Ratio Lower Upper
117 100
82 56.5 45.0 67.4
119 33.2 24.8 37.2

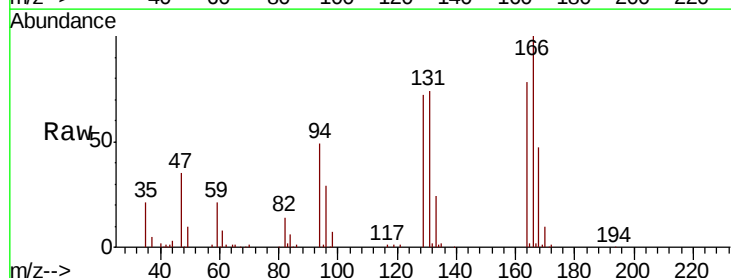


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

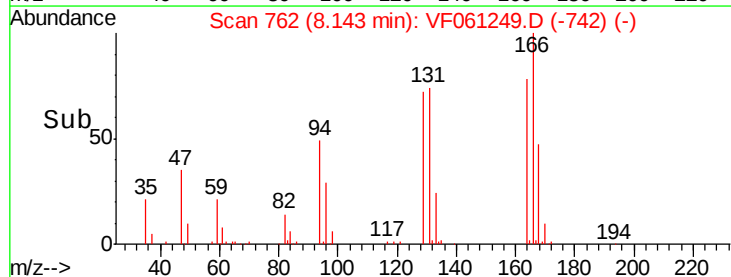
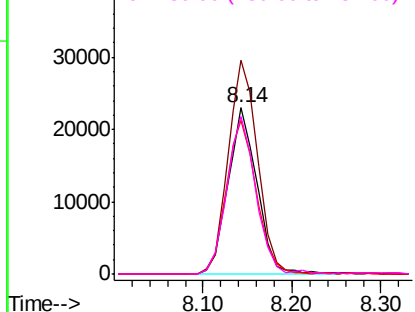


#64
Tetrachloroethene
Concen: 21.482 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion:164 Resp: 52627
Ion Ratio Lower Upper
164 100
166 128.7 104.0 156.0
129 92.2 81.1 121.7
131 94.7 81.2 121.8



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

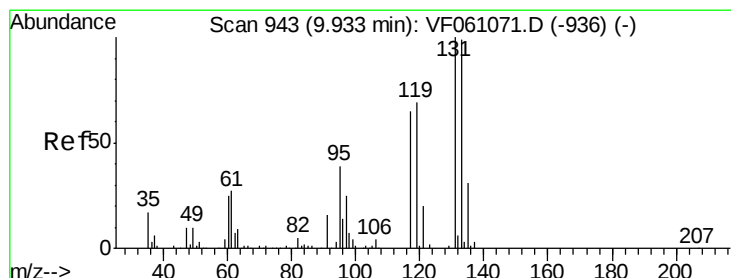
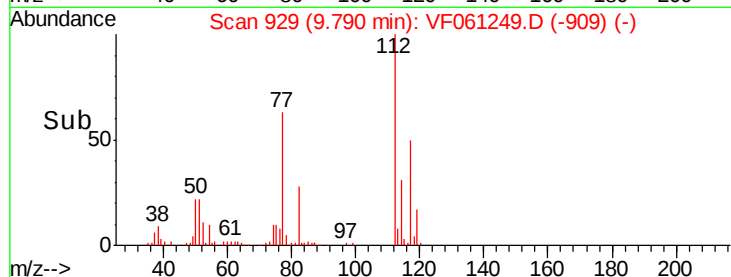
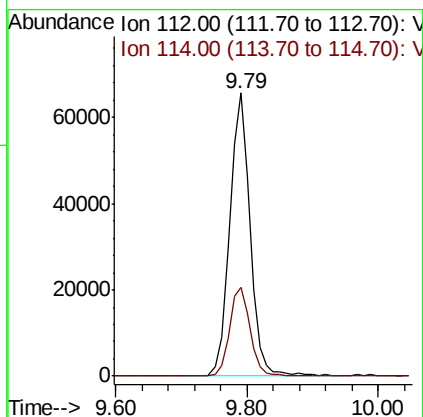
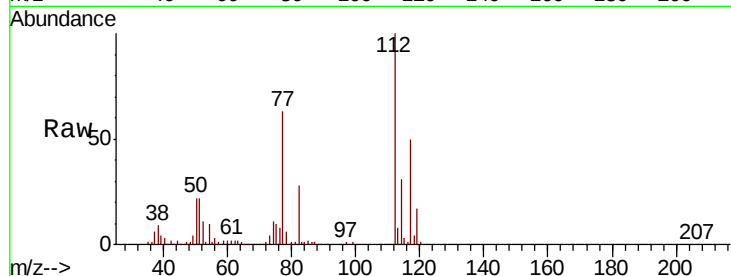




#65
Chlorobenzene
Concen: 21.739 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

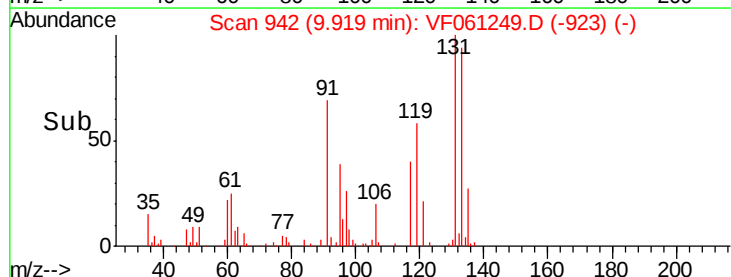
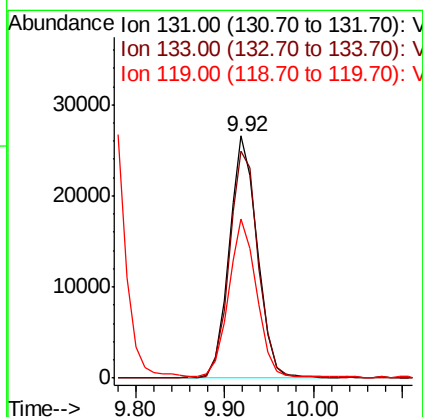
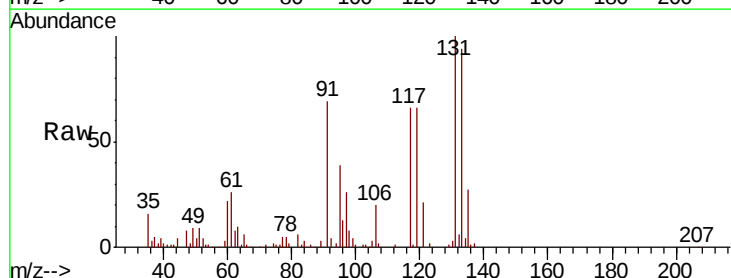
Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

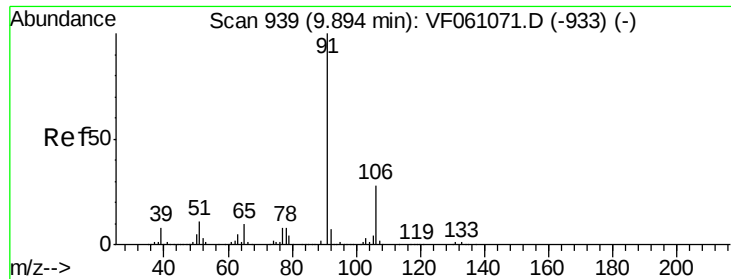
Tgt Ion:112 Resp: 143024
Ion Ratio Lower Upper
112 100
114 31.5 27.8 41.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.779 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion:131 Resp: 58556
Ion Ratio Lower Upper
131 100
133 93.6 49.5 148.7
119 65.9 34.5 103.5





#67

Ethyl Benzene

Concen: 22.290 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

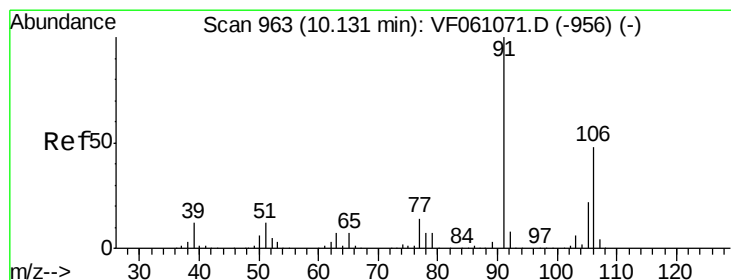
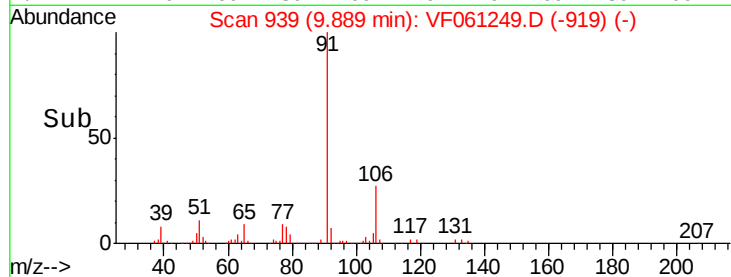
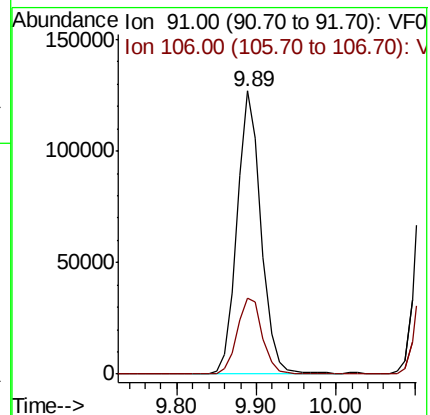
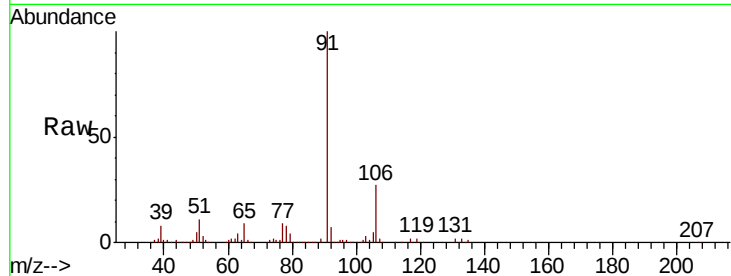
VF0102SBSD01

Tgt Ion: 91 Resp: 267172

Ion Ratio Lower Upper

91 100

106 26.8 22.5 33.7



#68

m/p-Xylenes

Concen: 44.796 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF061249.D

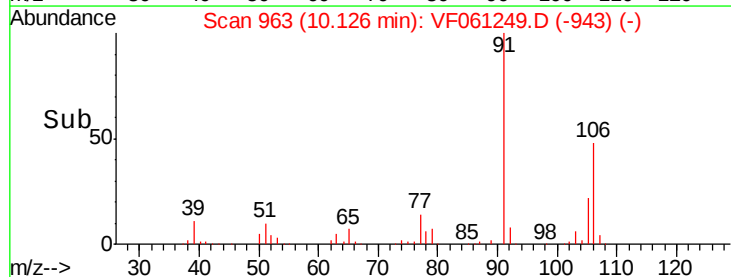
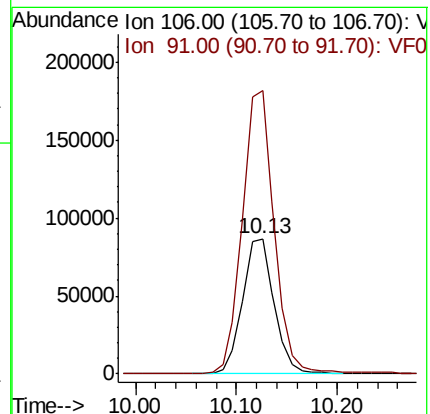
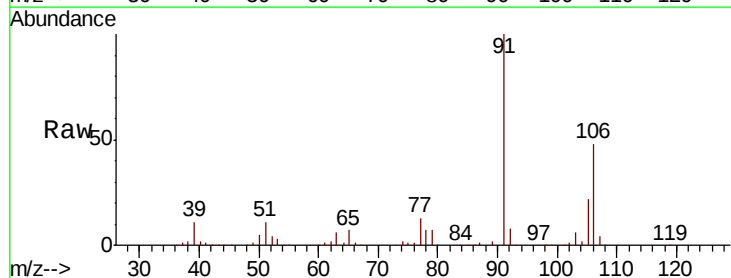
Acq: 2 Jan 2019 12:45

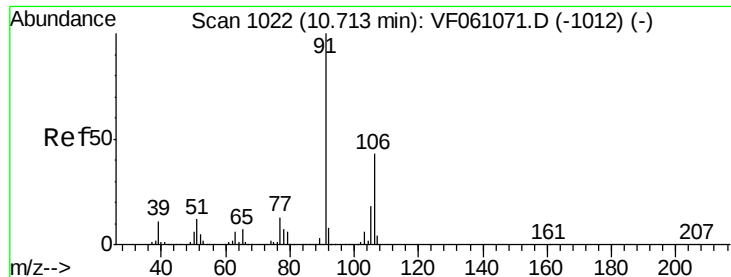
Tgt Ion: 106 Resp: 188953

Ion Ratio Lower Upper

106 100

91 209.2 168.2 252.2

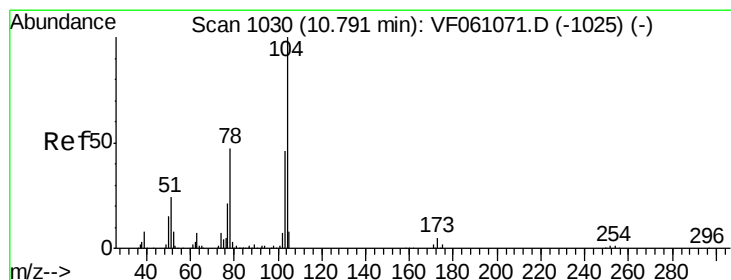
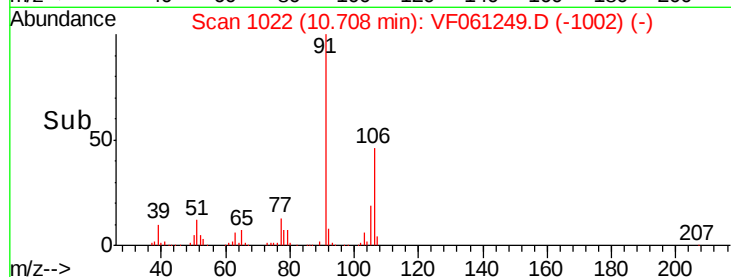
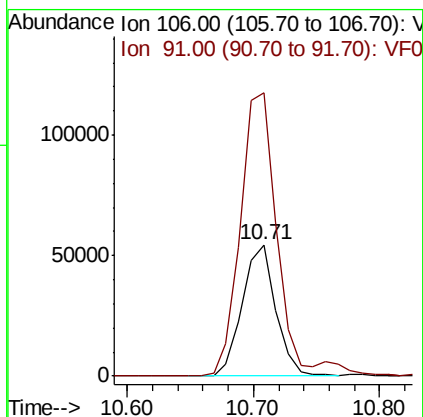
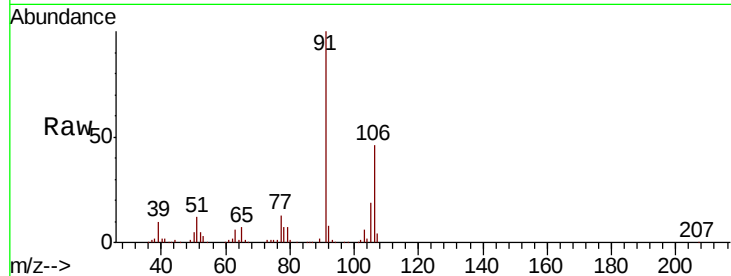




#69
o-Xylene
Concen: 21.570 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

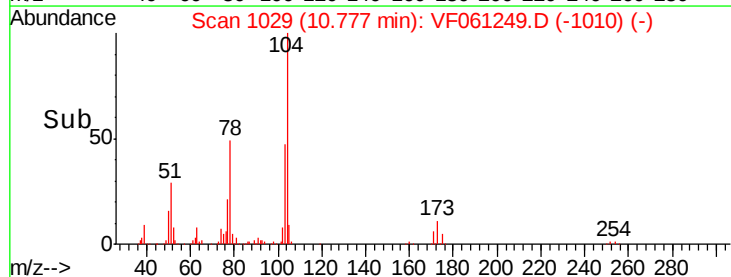
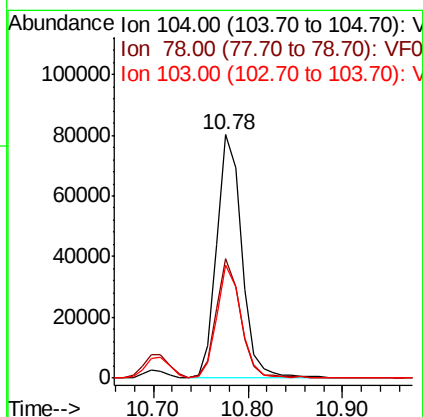
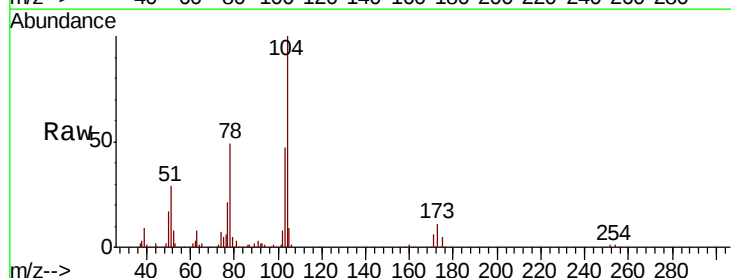
Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

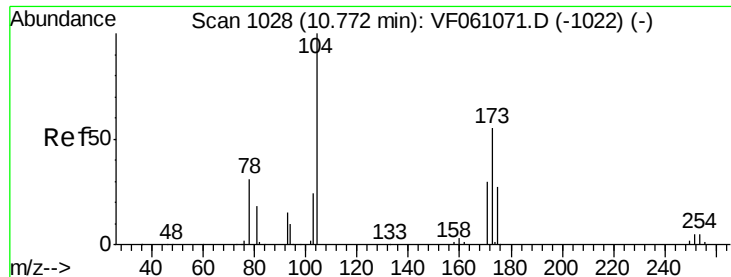
Tgt Ion:106 Resp: 100909
Ion Ratio Lower Upper
106 100
91 215.3 115.9 347.7



#70
Styrene
Concen: 23.437 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion:104 Resp: 148393
Ion Ratio Lower Upper
104 100
78 49.1 38.4 57.6
103 46.6 37.0 55.6





#71

Bromoform

Concen: 23.474 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

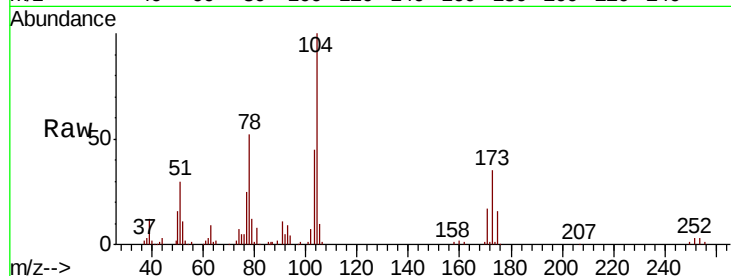
Tgt Ion:173 Resp: 29199

Ion Ratio Lower Upper

173 100

175 47.9 24.8 74.4

254 8.8 0.0 0.0#

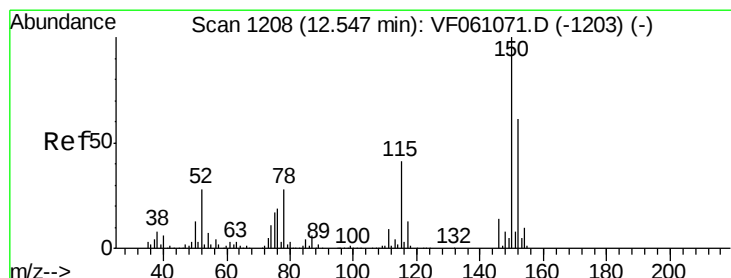
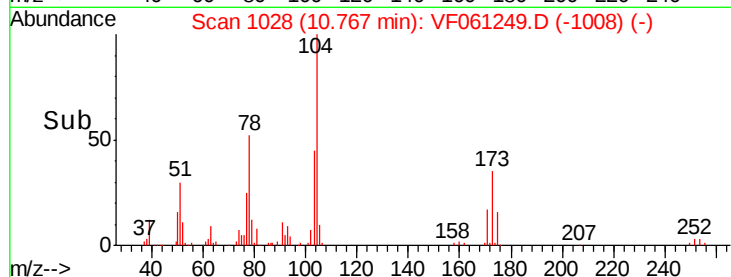
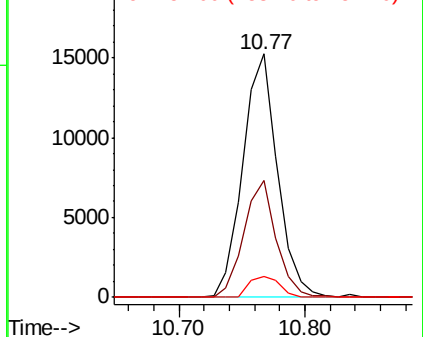


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

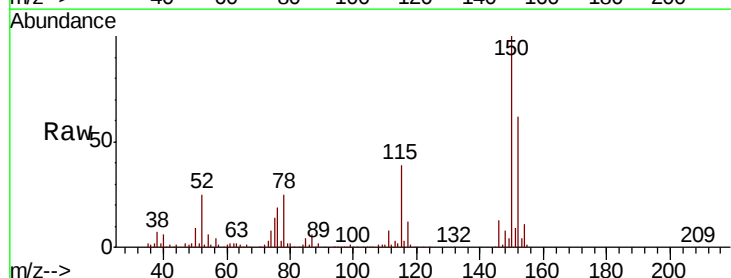
Tgt Ion:152 Resp: 156503

Ion Ratio Lower Upper

152 100

115 63.5 33.3 99.9

150 162.3 0.0 328.2

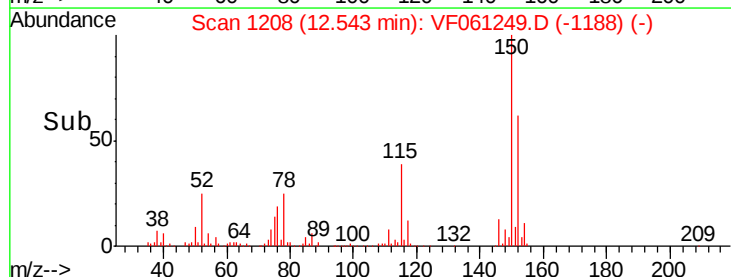
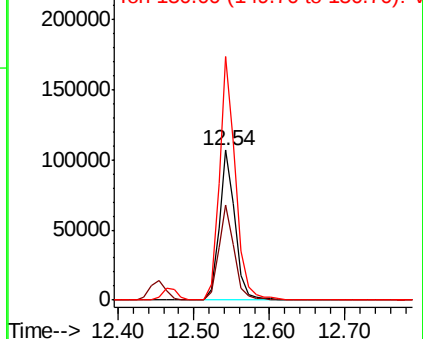


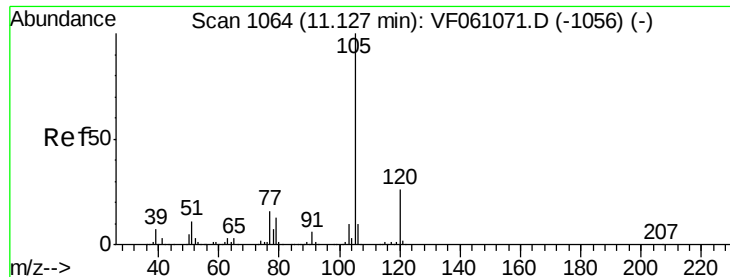
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.929 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

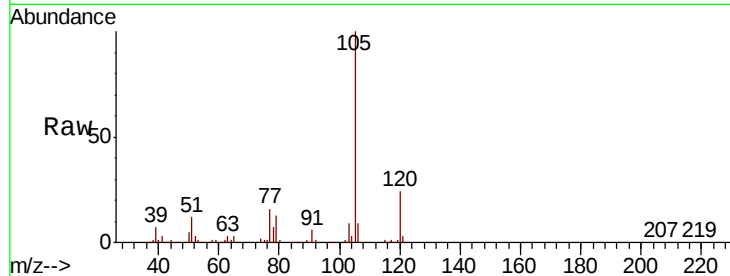
VF0102SBSD01

Tgt Ion:105 Resp: 309242

Ion Ratio Lower Upper

105 100

120 24.0 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

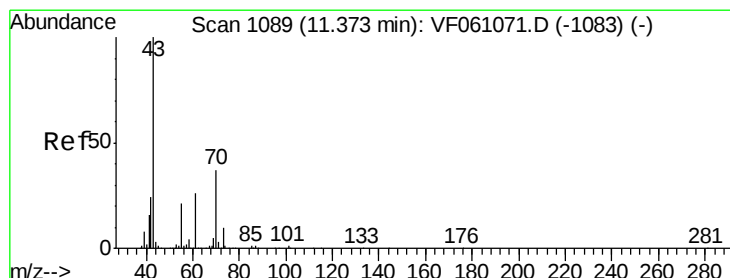
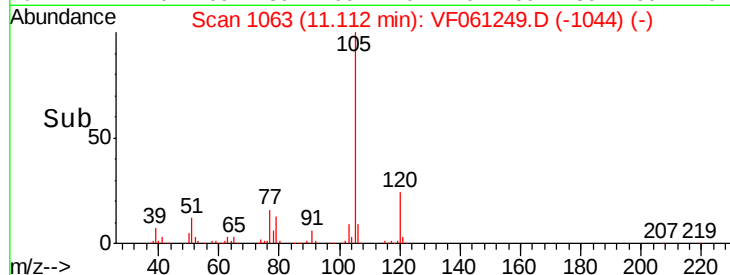
0

Time-->

11.00

11.11

11.20



#74

N-ethyl acetate

Concen: 25.137 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Tgt Ion: 43 Resp: 75268

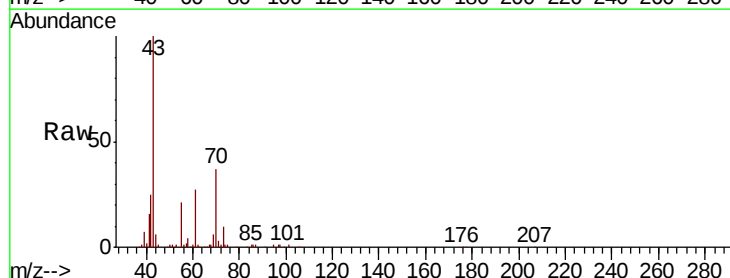
Ion Ratio Lower Upper

43 100

70 36.8 29.2 43.8

55 21.4 16.5 24.7

61 26.9 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

60000

50000

40000

30000

20000

10000

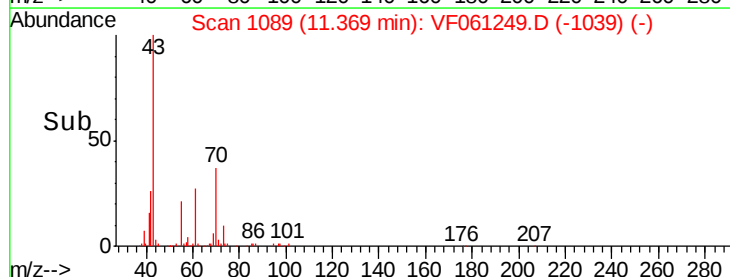
0

Time-->

11.30

11.37

11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 23.988 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

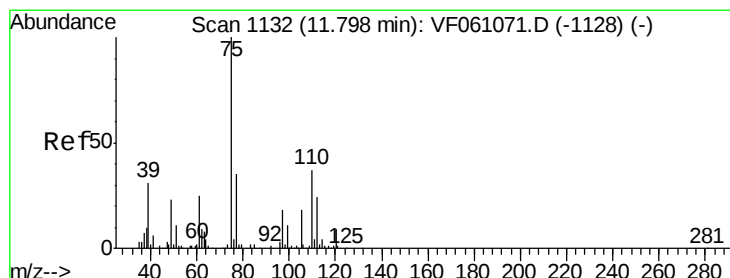
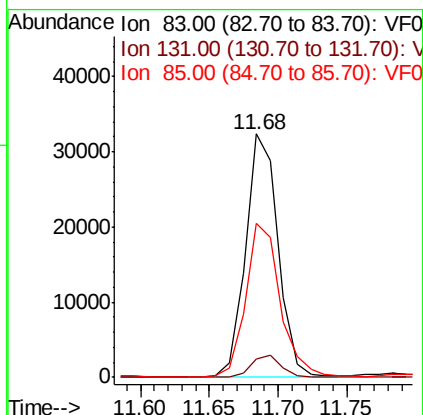
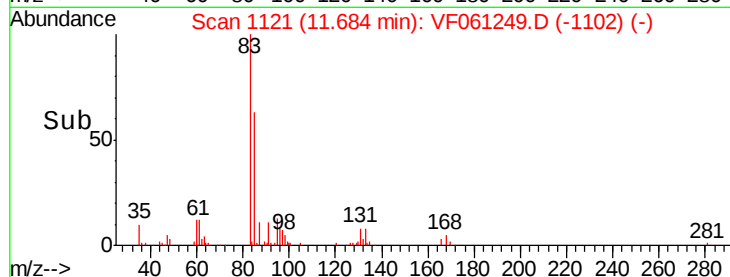
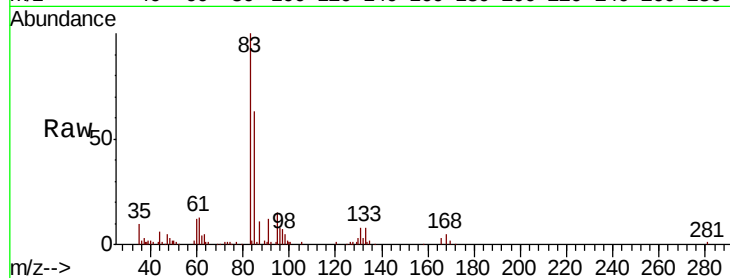
Tgt Ion: 83 Resp: 53693

Ion Ratio Lower Upper

83 100

131 7.5 4.8 14.3

85 63.0 33.9 101.6



#76

1,2,3-Trichloropropane

Concen: 21.274 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061249.D

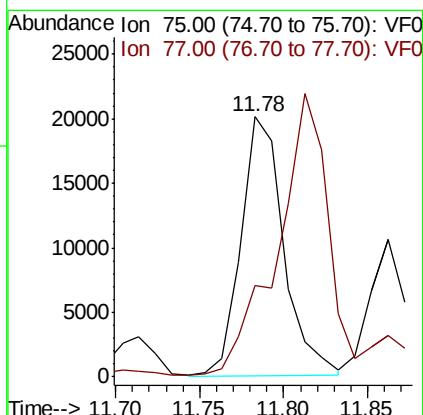
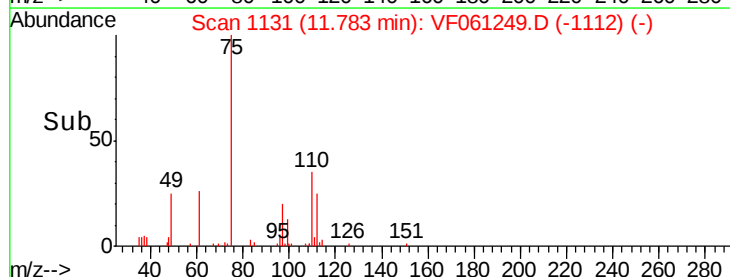
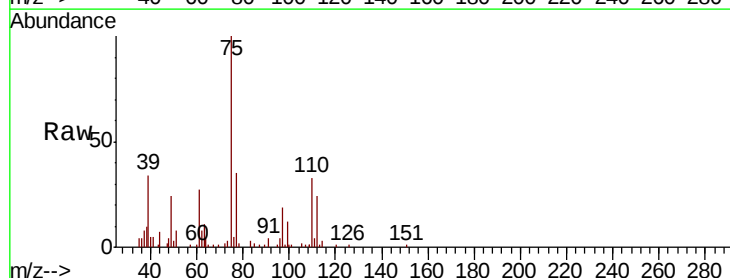
Acq: 2 Jan 2019 12:45

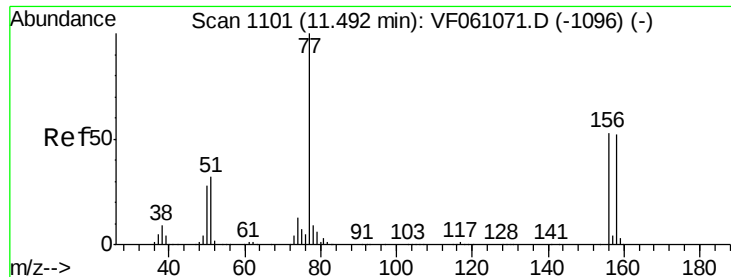
Tgt Ion: 75 Resp: 35438

Ion Ratio Lower Upper

75 100

77 34.9 17.6 52.9





#77

Bromobenzene

Concen: 22.824 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

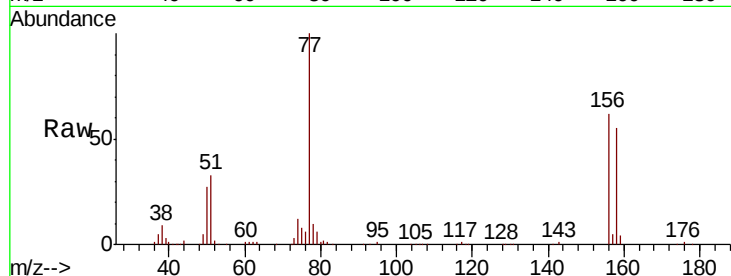
Tgt Ion:156 Resp: 66262

Ion Ratio Lower Upper

156 100

77 162.5 93.8 281.4

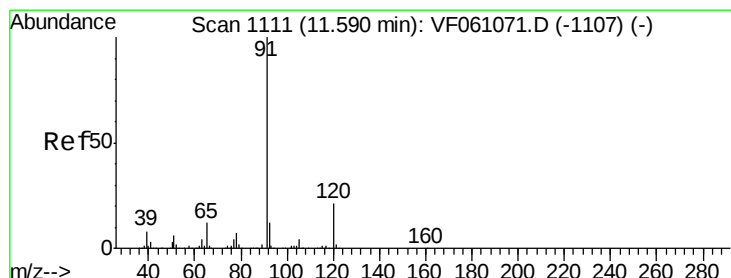
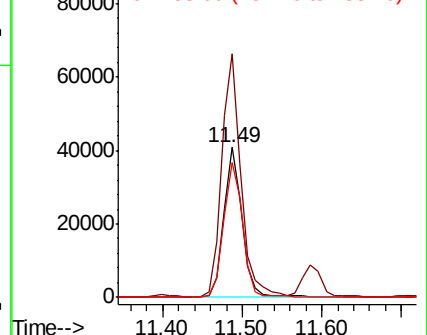
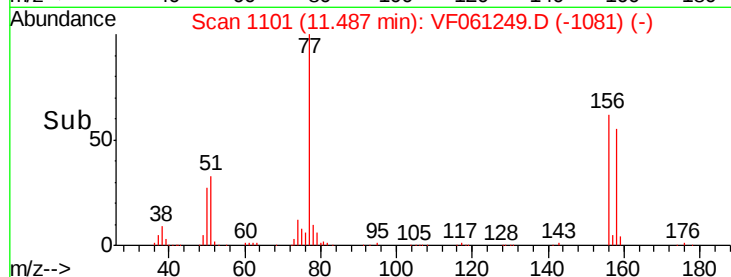
158 89.6 48.9 146.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.133 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061249.D

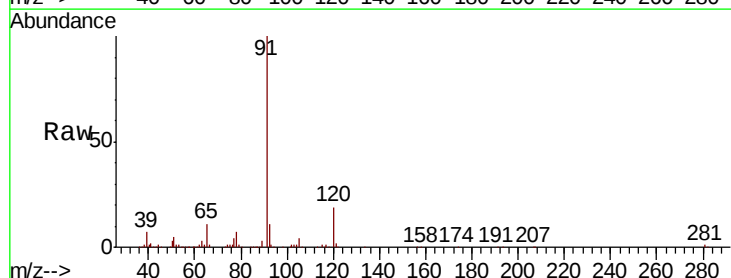
Acq: 2 Jan 2019 12:45

Tgt Ion: 91 Resp: 352407

Ion Ratio Lower Upper

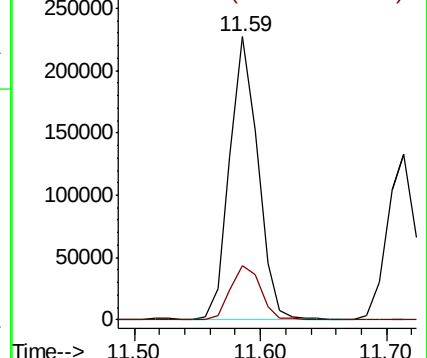
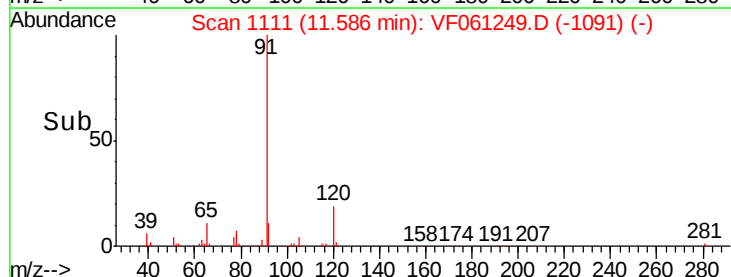
91 100

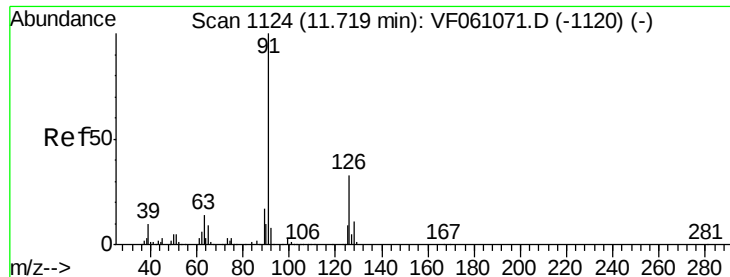
120 19.4 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

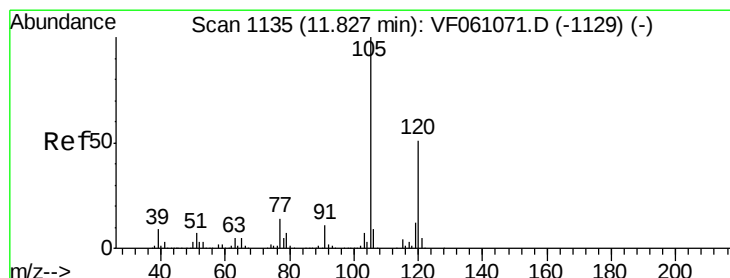
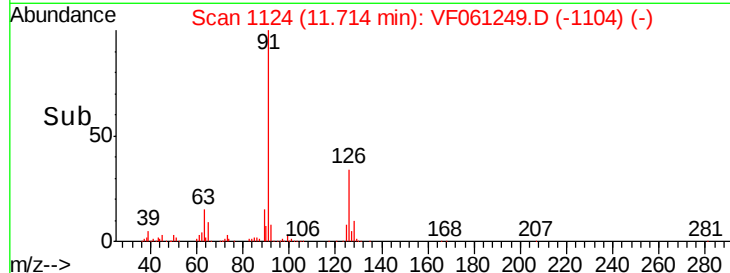
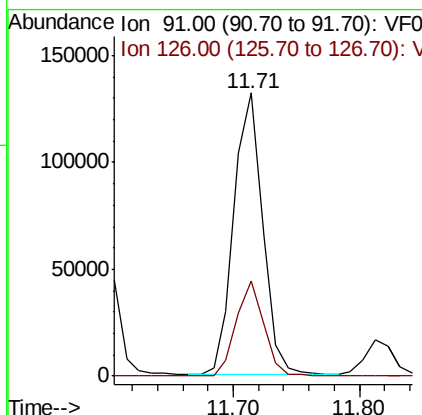
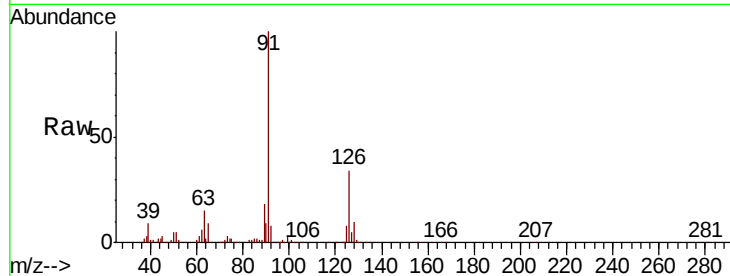




#79
 2-Chlorotoluene
 Concen: 22.639 ug/l
 RT: 11.71 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

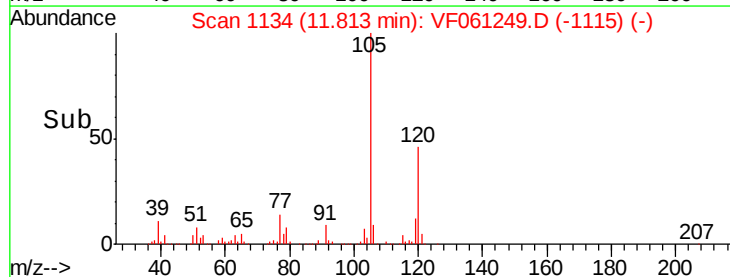
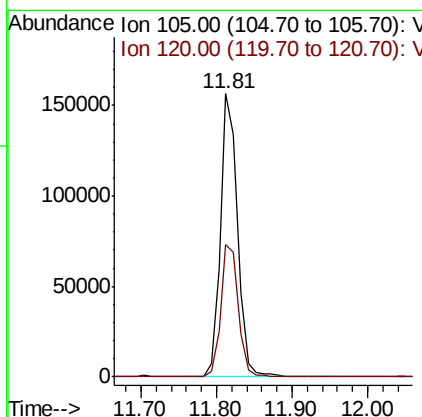
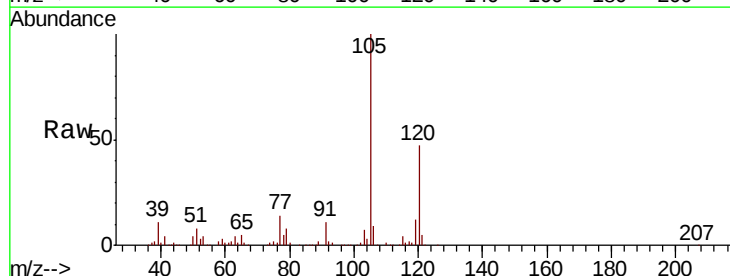
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBSD01

Tgt Ion: 91 Resp: 209449
 Ion Ratio Lower Upper
 91 100
 126 33.7 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 22.372 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Tgt Ion: 105 Resp: 248446
 Ion Ratio Lower Upper
 105 100
 120 46.8 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 30.517 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

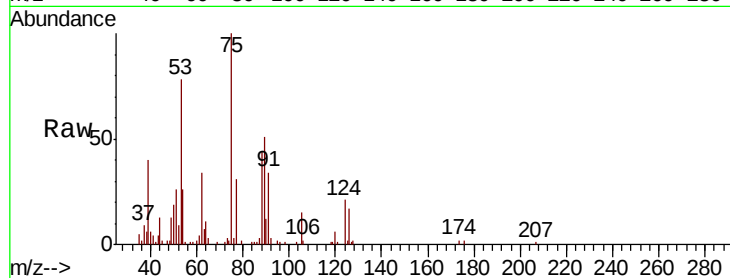
Tgt Ion: 75 Resp: 21844

Ion Ratio Lower Upper

75 100

53 77.5 74.1 111.1

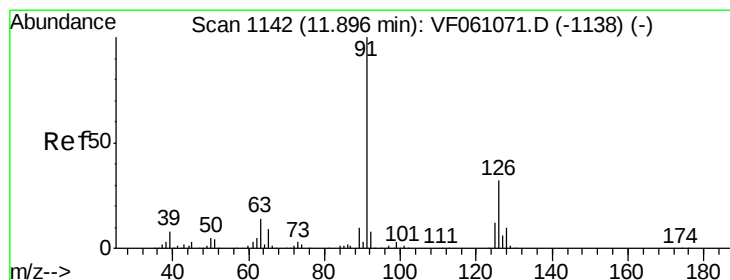
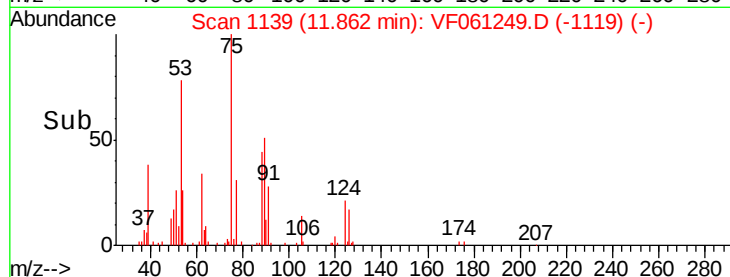
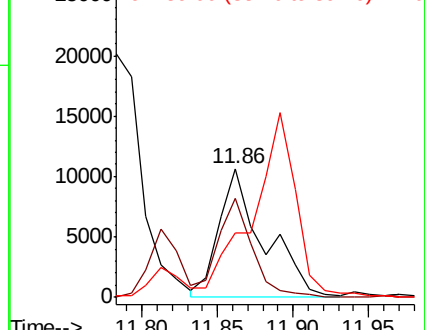
89 50.6 42.6 64.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.941 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF061249.D

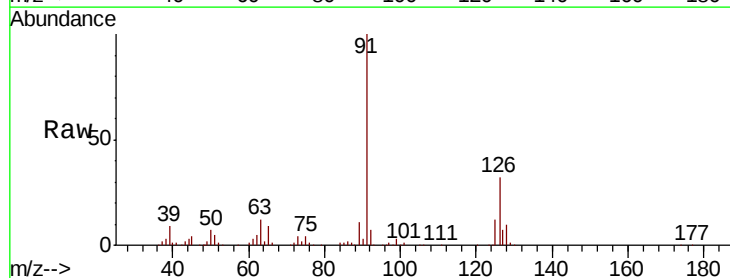
Acq: 2 Jan 2019 12:45

Tgt Ion: 91 Resp: 209995

Ion Ratio Lower Upper

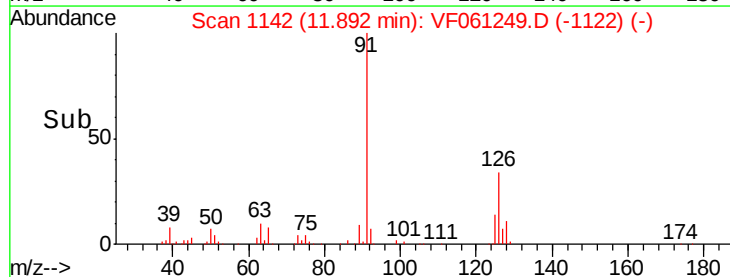
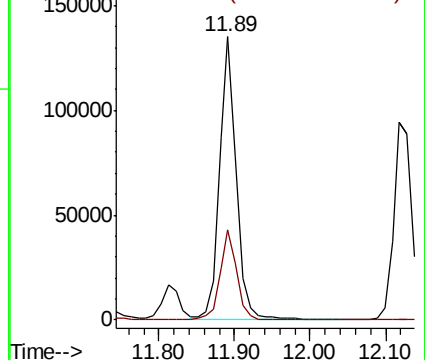
91 100

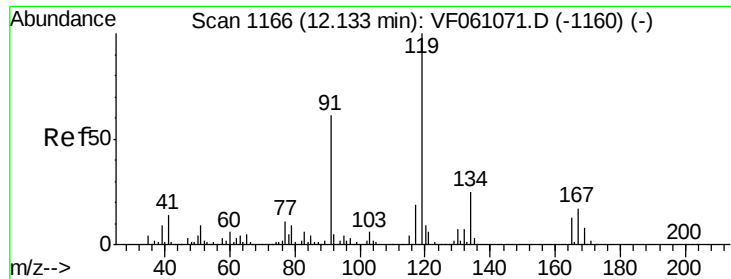
126 32.0 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

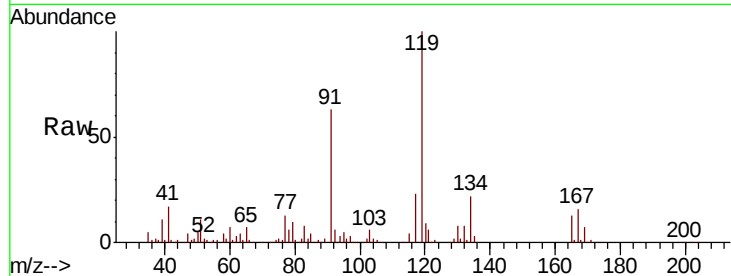




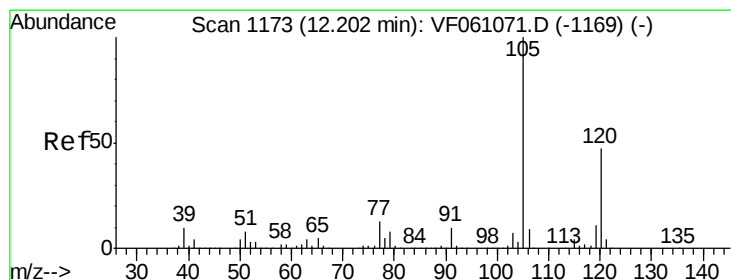
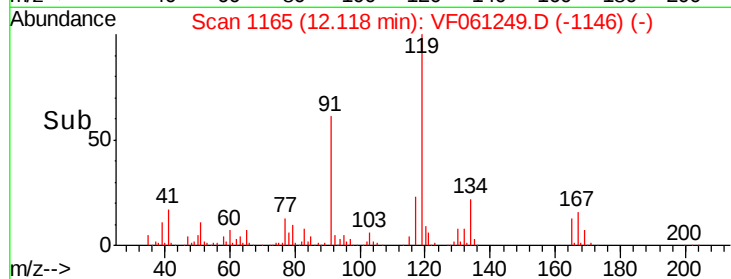
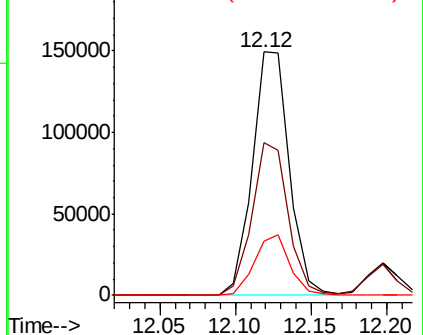
#83
 tert-Butylbenzene
 Concen: 22.264 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBSD01

Tgt Ion:119 Resp: 254425
 Ion Ratio Lower Upper
 119 100
 91 62.9 30.5 91.5
 134 22.4 12.4 37.4

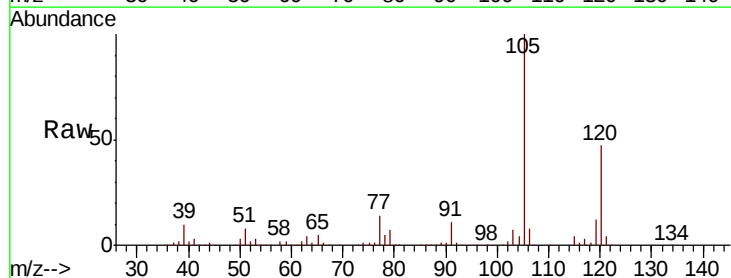


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

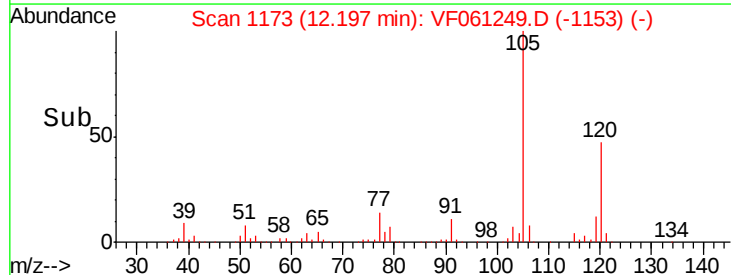
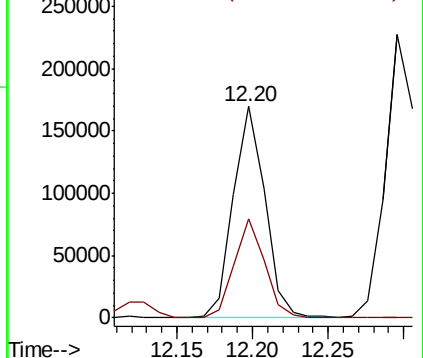


#84
 1,2,4-Trimethylbenzene
 Concen: 22.343 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Tgt Ion:105 Resp: 247429
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.6 71.0



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

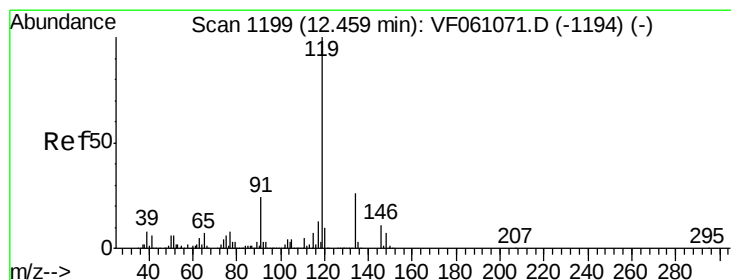
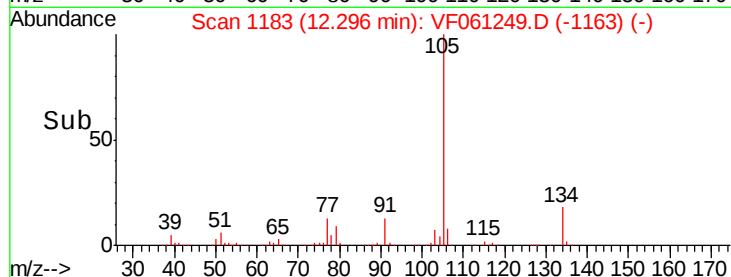
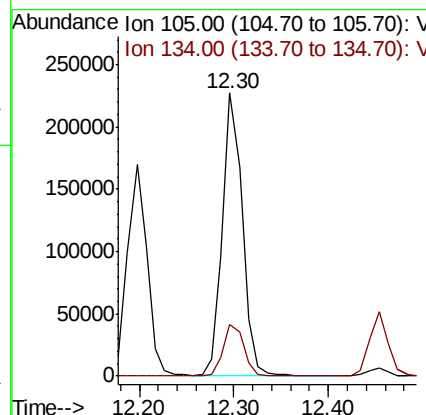
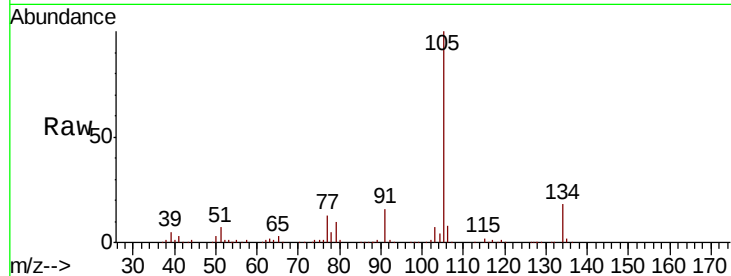




#85
 sec-Butylbenzene
 Concen: 22.325 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

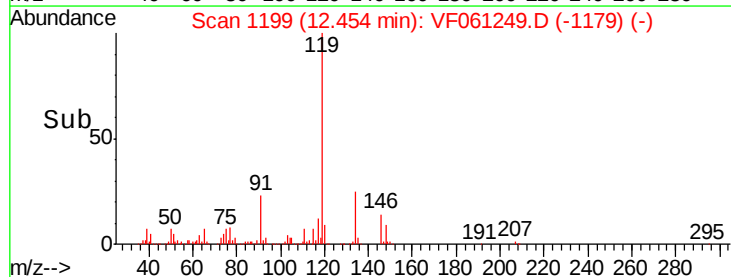
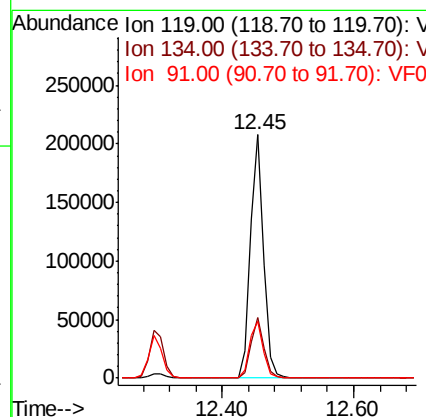
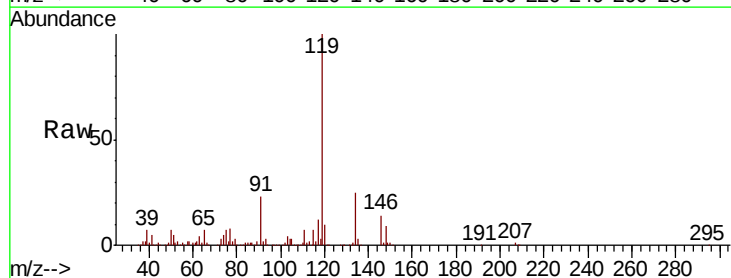
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBSD01

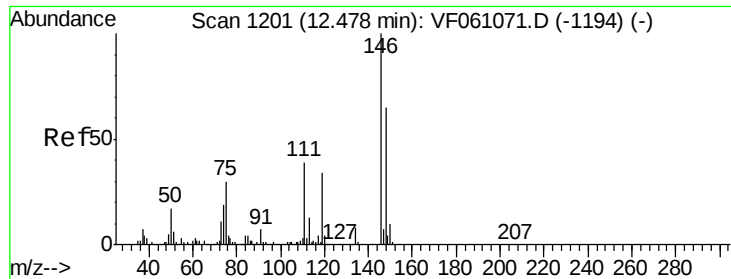
Tgt Ion:105 Resp: 332929
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 23.570 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Tgt Ion:119 Resp: 291767
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.8 38.4
 91 23.5 12.2 36.6

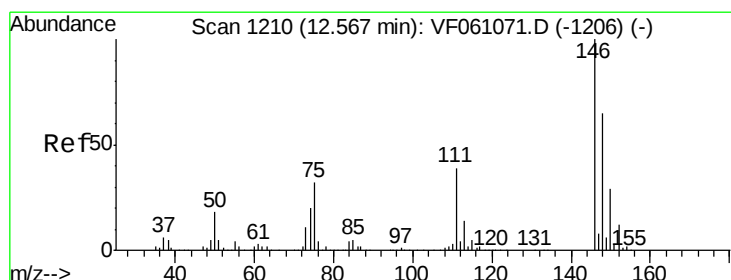
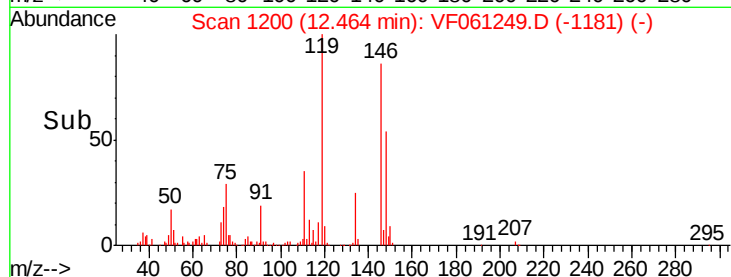
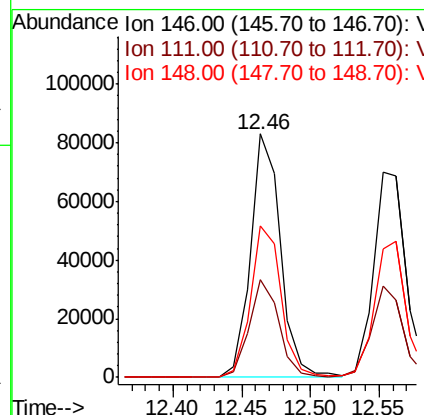
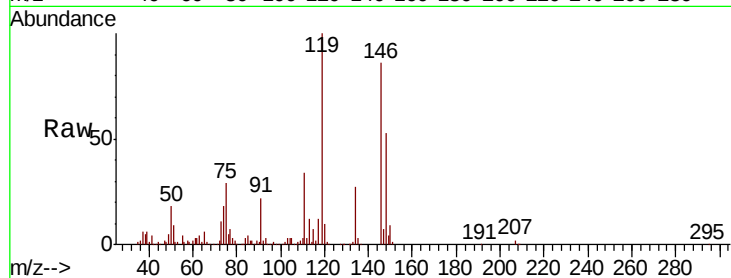




#87
 1,3-Dichlorobenzene
 Concen: 23.868 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

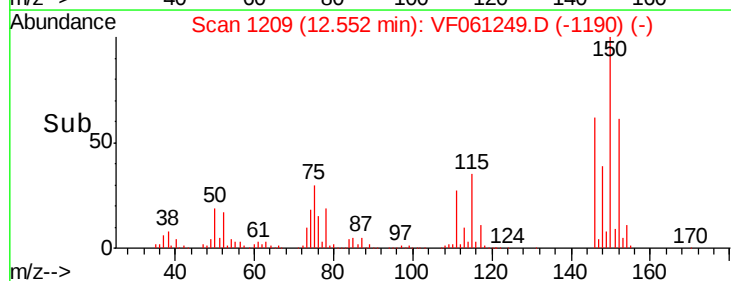
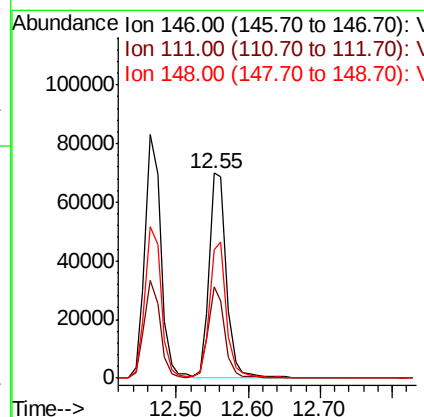
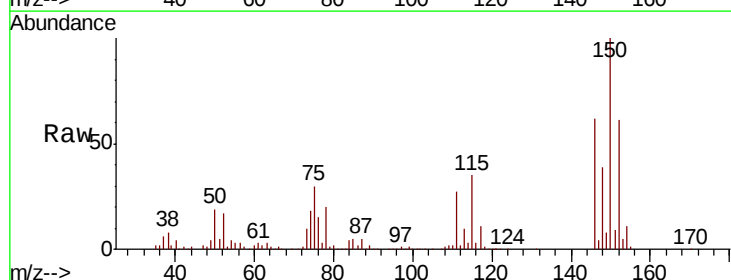
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBSD01

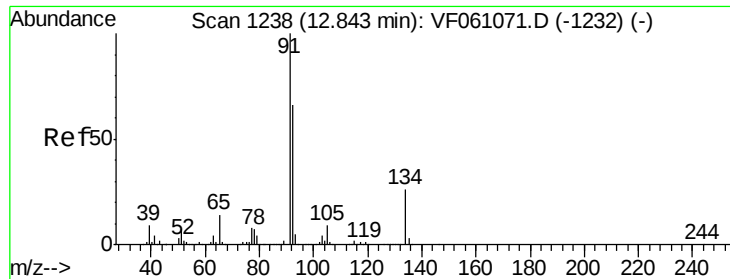
Tgt Ion:146 Resp: 126405
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.3 57.9
 148 62.5 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 22.090 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Tgt Ion:146 Resp: 117762
 Ion Ratio Lower Upper
 146 100
 111 44.2 19.4 58.4
 148 62.5 32.4 97.0

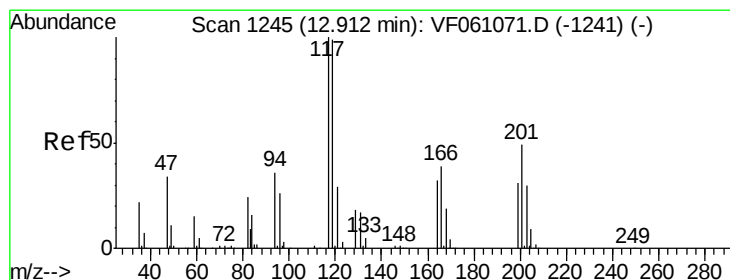
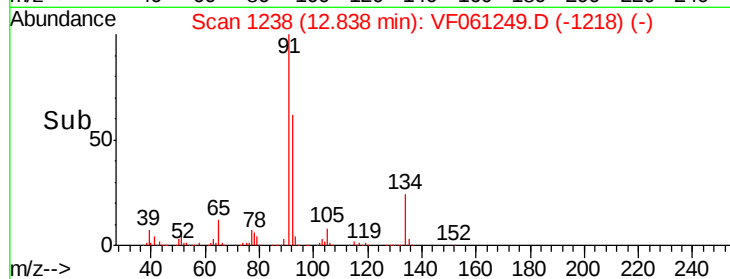
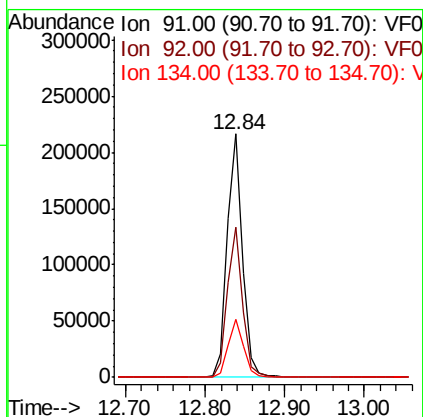
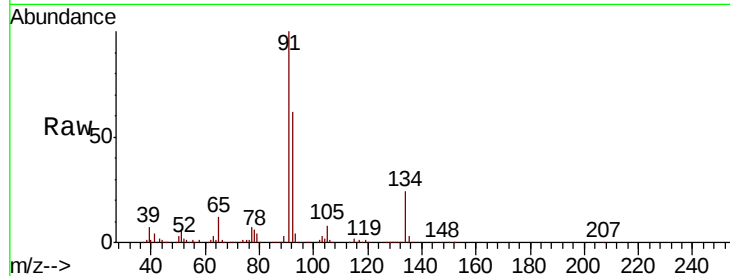




#89
n-Butylbenzene
Concen: 20.987 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

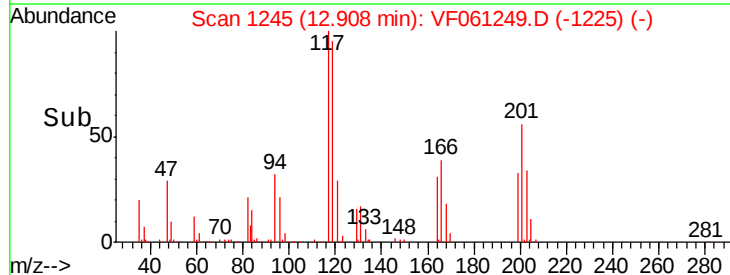
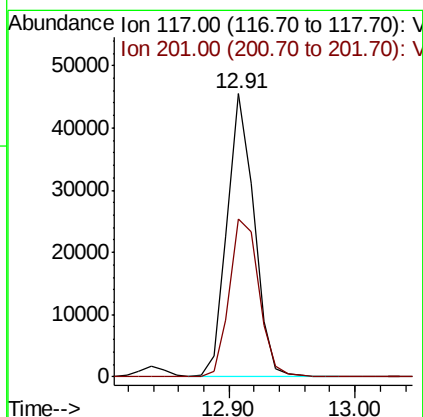
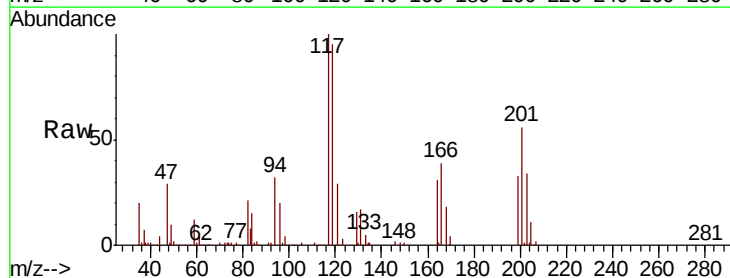
Instrument :
MSVOA_F
ClientSampleId :
VF0102SBSD01

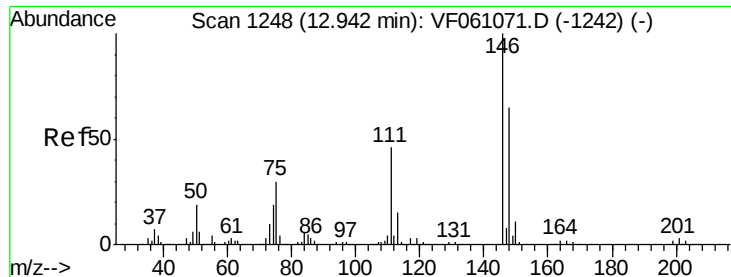
Tgt Ion: 91 Resp: 296703
Ion Ratio Lower Upper
91 100
92 61.9 32.8 98.4
134 23.9 13.2 39.5



#90
Hexachloroethane
Concen: 22.047 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061249.D
Acq: 2 Jan 2019 12:45

Tgt Ion: 117 Resp: 67428
Ion Ratio Lower Upper
117 100
201 57.1 24.9 74.8





#91

1,2-Dichlorobenzene

Concen: 21.205 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

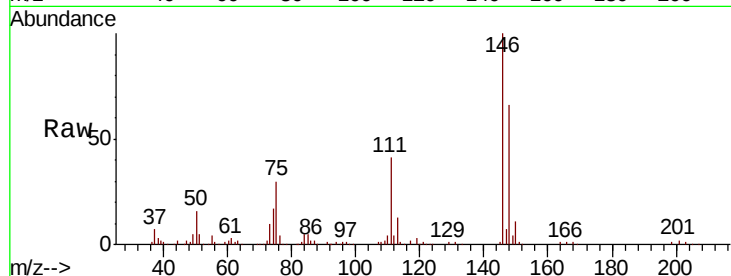
Tgt Ion:146 Resp: 110057

Ion Ratio Lower Upper

146 100

111 40.7 23.2 69.5

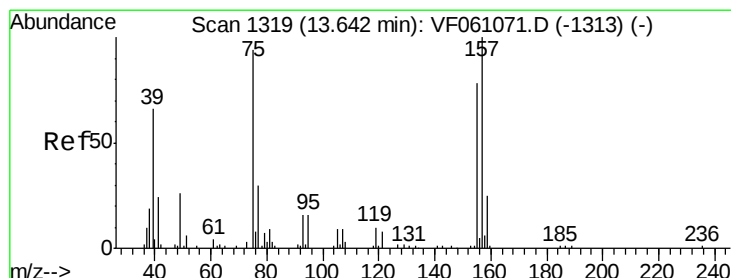
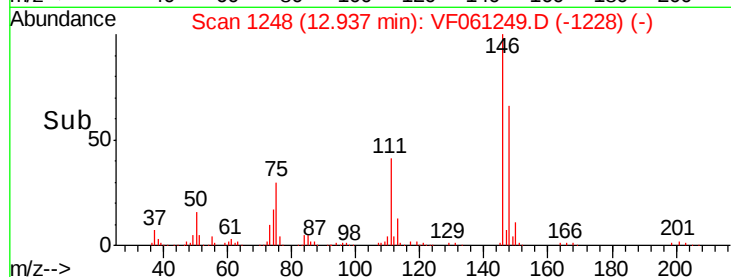
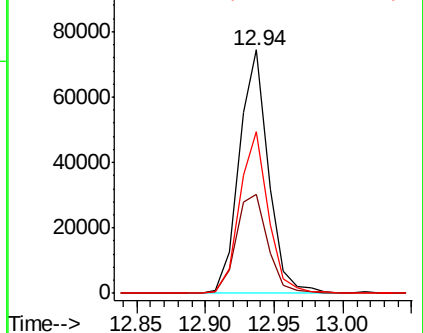
148 66.2 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.765 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

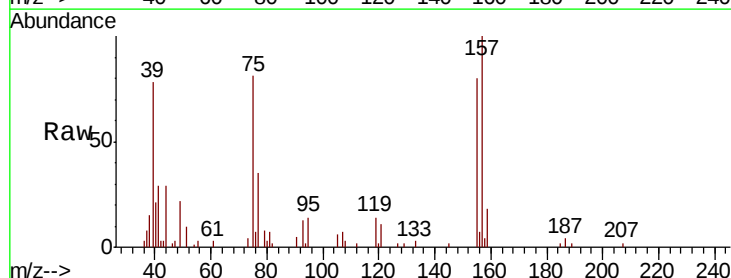
Tgt Ion: 75 Resp: 8529

Ion Ratio Lower Upper

75 100

155 98.2 41.5 124.5

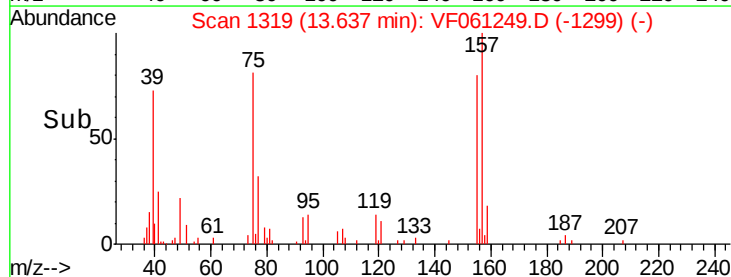
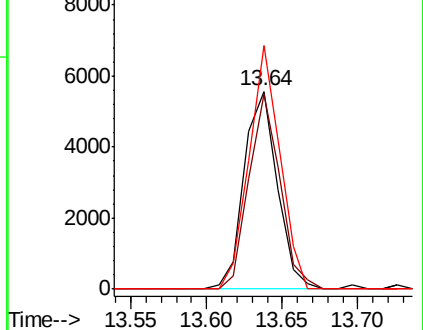
157 122.9 53.2 159.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

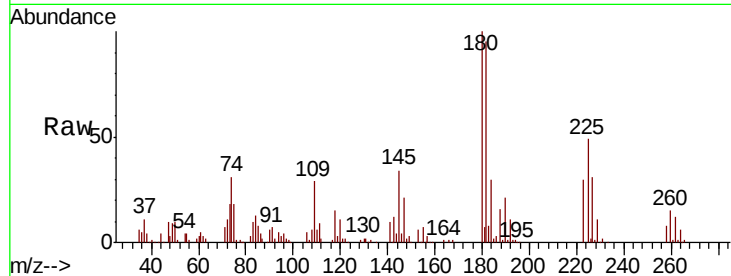




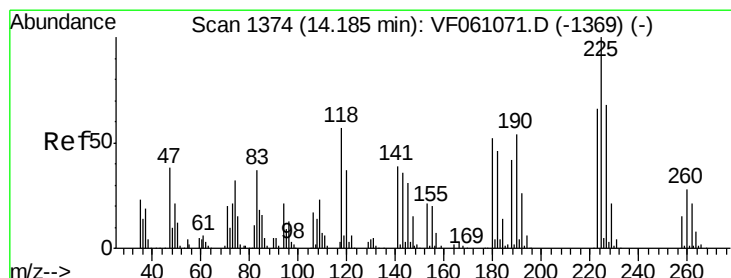
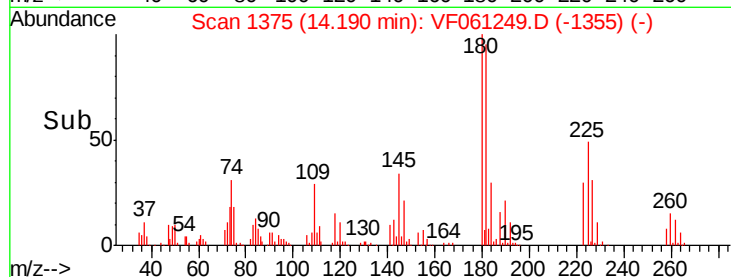
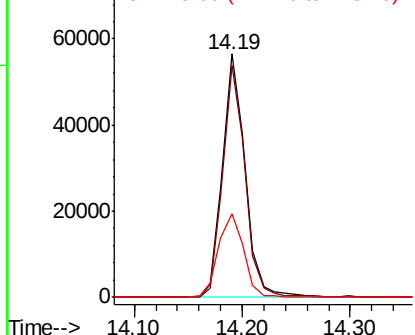
#93
 1,2,4-Trichlorobenzene
 Concen: 22.489 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0102SBSD01

Tgt Ion:180 Resp: 82778
 Ion Ratio Lower Upper
 180 100
 182 95.3 46.9 140.6
 145 34.5 20.5 61.6

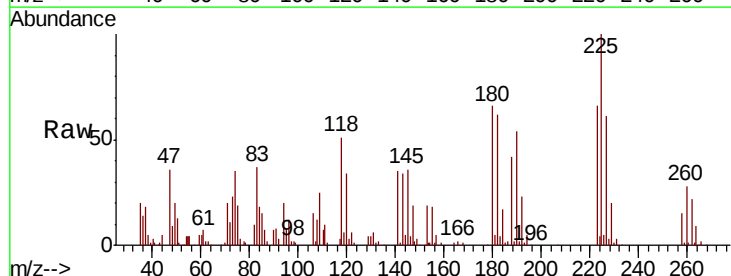


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

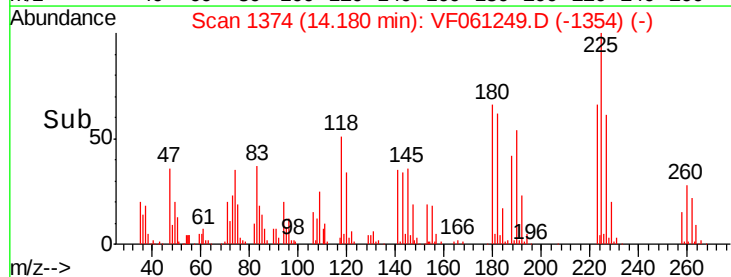
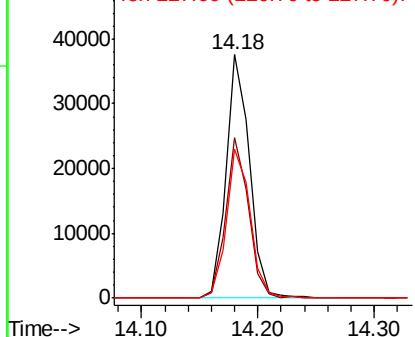


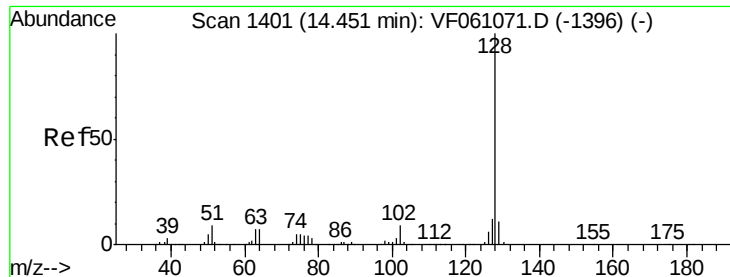
#94
 Hexachlorobutadiene
 Concen: 22.403 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061249.D
 Acq: 2 Jan 2019 12:45

Tgt Ion:225 Resp: 52520
 Ion Ratio Lower Upper
 225 100
 223 65.8 32.8 98.3
 227 61.3 34.0 101.8



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





#95

Naphthalene

Concen: 21.925 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0102SBSD01

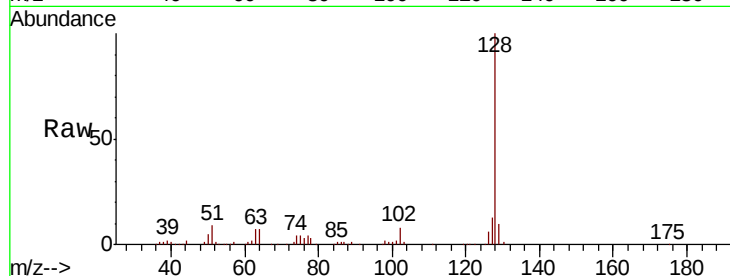
Tgt Ion:128 Resp: 147369

Ion Ratio Lower Upper

128 100

127 12.8 9.4 14.2

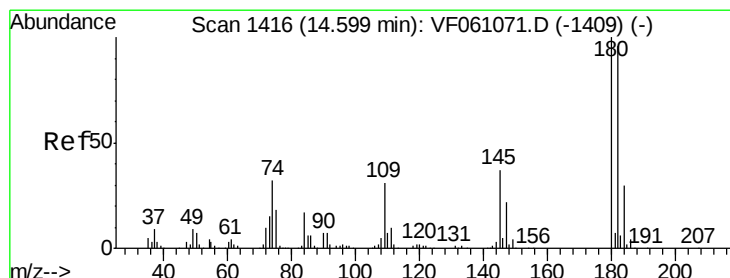
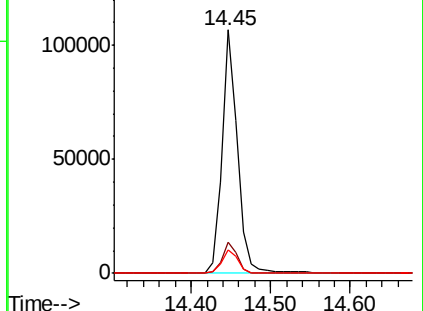
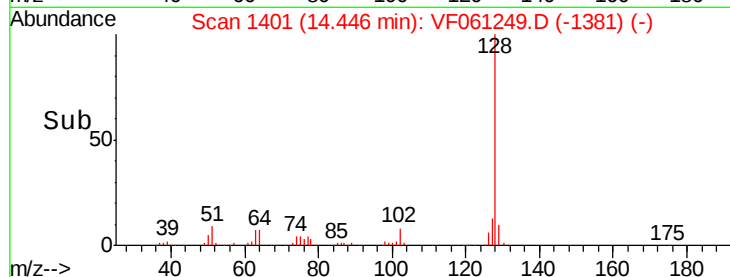
129 9.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.147 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF061249.D

Acq: 2 Jan 2019 12:45

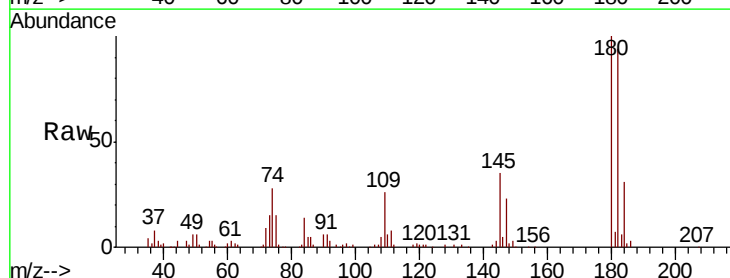
Tgt Ion:180 Resp: 75362

Ion Ratio Lower Upper

180 100

182 93.8 47.9 143.8

145 35.2 18.6 55.8



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

