

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022519\
 Data File : VF061726.D
 Acq On : 25 Feb 2019 13:14
 Operator : VA/AP
 Sample : VF0225SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBSD01

Quant Time: Feb 26 04:41:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	323404	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	494085	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	436938	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	242942	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	127436	53.73	ug/l	-0.01
Spiked Amount						
			Recovery	=	107.46%	
35) Dibromofluoromethane	4.12	113	187330	51.06	ug/l	0.00
Spiked Amount						
			Recovery	=	102.12%	
50) Toluene-d8	7.56	98	550598	52.20	ug/l	0.00
Spiked Amount						
			Recovery	=	104.40%	
62) 4-Bromofluorobenzene	11.41	95	216250	50.67	ug/l	0.00
Spiked Amount						
			Recovery	=	101.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	89580	24.120	ug/l	96
3) Chloromethane	1.10	50	84902	21.788	ug/l	96
4) Vinyl Chloride	1.14	62	77937	21.515	ug/l	98
5) Bromomethane	1.34	94	54667	21.927	ug/l	95
6) Chloroethane	1.39	64	40272	22.559	ug/l	99
7) Trichlorofluoromethane	1.49	101	100352	22.968	ug/l	91
8) Diethyl Ether	1.63	74	20363	18.494	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	71315	22.625	ug/l	92
10) Methyl Iodide	1.91	142	132821m	22.060	ug/l	
11) Tert butyl alcohol	2.57	59	13376	97.456	ug/l	93
12) 1,1-Dichloroethene	1.79	96	58695	21.180	ug/l	91
13) Acrolein	2.00	56	13638	79.061	ug/l	99
14) Allyl chloride	2.10	41	72646	21.363	ug/l	98
15) Acrylonitrile	2.94	53	47390	97.343	ug/l	93
16) Acetone	2.24	43	56304	110.653	ug/l	96
17) Carbon Disulfide	1.82	76	182018	20.895	ug/l	97
18) Methyl Acetate	2.35	43	24660	21.513	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	103291	21.809	ug/l	96
20) Methylene Chloride	2.18	84	67317m	23.345	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	60891	20.212	ug/l	97
22) Diisopropyl ether	2.81	45	174020	21.318	ug/l	97
23) Vinyl Acetate	3.19	43	384728	96.495	ug/l	98
24) 1,1-Dichloroethane	2.88	63	110351	22.339	ug/l	97
25) 2-Butanone	4.33	43	116306	104.643	ug/l	97
26) 2,2-Dichloropropane	3.59	77	51101	24.422	ug/l	93
27) cis-1,2-Dichloroethene	3.48	96	82781	20.935	ug/l	94
28) Bromochloromethane	3.71	49	46954	19.810	ug/l	90
29) Tetrahydrofuran	4.07	42	48553	96.114	ug/l	98
30) Chloroform	3.86	83	127422	22.682	ug/l	96
31) Cyclohexane	3.69	56	113697m	21.261	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	79626	21.637	ug/l	93
36) 1,1-Dichloropropene	4.28	75	102785	21.000	ug/l	89
37) Ethyl Acetate	4.12	43	44957	19.775	ug/l #	95
38) Carbon Tetrachloride	3.99	117	81296	24.054	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	120545	20.825	ug/l	97
40) Benzene	4.63	78	267455	20.891	ug/l	98
41) Methacrylonitrile	4.74	41	23017	19.798	ug/l #	88
42) 1,2-Dichloroethane	4.95	62	67103	21.912	ug/l	95
43) Isopropyl Acetate	6.96	43	55759	20.721	ug/l #	99
44) Trichloroethene	5.50	130	89435	21.603	ug/l	95
45) 1,2-Dichloropropane	6.24	63	65051	21.021	ug/l	100
46) Dibromomethane	6.09	93	40633	21.326	ug/l	94
47) Bromodichloromethane	6.39	83	94289	22.598	ug/l	98
48) Methyl methacrylate	6.72	41	32465	20.048	ug/l	95
49) 1,4-Dioxane	6.71	88	5082	333.833	ug/l #	92
51) 4-Methyl-2-Pentanone	8.26	43	187207	97.362	ug/l	99
52) Toluene	7.63	92	160446	20.664	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	79174	22.800	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	109813	23.741	ug/l	95
55) 1,1,2-Trichloroethane	8.50	97	45417	19.909	ug/l	95
56) Ethyl methacrylate	8.62	69	52641	20.726	ug/l	99
57) 1,3-Dichloropropane	8.86	76	77215	20.278	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.29	63	38907	88.784	ug/l	93
59) 2-Hexanone	9.49	43	142765	105.923	ug/l	99
60) Dibromochloromethane	8.71	129	68264	21.499	ug/l	90
61) 1,2-Dibromoethane	8.99	107	50096	20.246	ug/l	98
64) Tetrachloroethene	8.15	164	76597	21.447	ug/l	98
65) Chlorobenzene	9.80	112	188309	21.238	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	72926	20.990	ug/l	95
67) Ethyl Benzene	9.90	91	314564	21.334	ug/l	98
68) m/p-Xylenes	10.13	106	251158	44.507	ug/l	99
69) o-Xylene	10.71	106	128075	21.270	ug/l	90
70) Styrene	10.79	104	185903	21.824	ug/l	98
71) Bromoform	10.77	173	37575	19.917	ug/l	96
73) Isopropylbenzene	11.13	105	378029	21.855	ug/l	99
74) N-amyl acetate	11.38	43	89717	21.610	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	62695	20.232	ug/l	92
76) 1,2,3-Trichloropropane	11.80	75	42597	20.218	ug/l	99
77) Bromobenzene	11.49	156	100352	23.484	ug/l	93
78) n-propylbenzene	11.59	91	437371	22.035	ug/l	97
79) 2-Chlorotoluene	11.72	91	244241	21.971	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	309709	22.403	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.87	75	20386m	20.183	ug/l	
82) 4-Chlorotoluene	11.90	91	249466	21.621	ug/l	93
83) tert-Butylbenzene	12.13	119	332903	21.741	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	305296	22.229	ug/l	96
85) sec-Butylbenzene	12.30	105	436813	22.060	ug/l	95
86) p-Isopropyltoluene	12.46	119	360695	21.705	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	178003	21.368	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	169686	21.180	ug/l	96
89) n-Butylbenzene	12.84	91	344745	21.970	ug/l	97
90) Hexachloroethane	12.91	117	83754	21.671	ug/l	80
91) 1,2-Dichlorobenzene	12.94	146	172546	21.776	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8967	18.251	ug/l	77

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ClientSampleId :
VF0225SBSD01

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

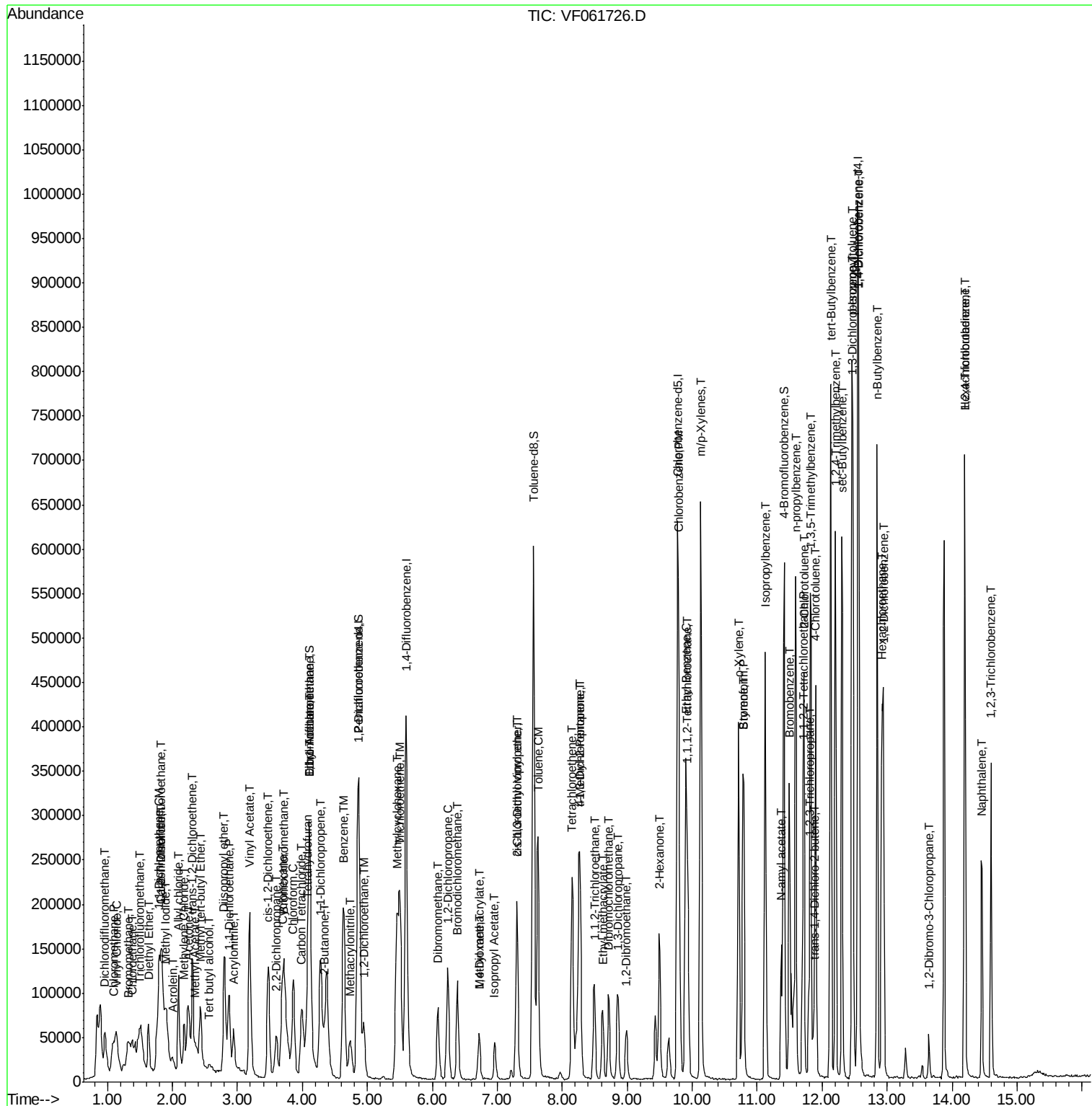
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	122023	21.485	ug/l	98
94) Hexachlorobutadiene	14.20	225	75868	21.629	ug/l	100
95) Naphthalene	14.46	128	201149	20.242	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	107765	20.673	ug/l	99

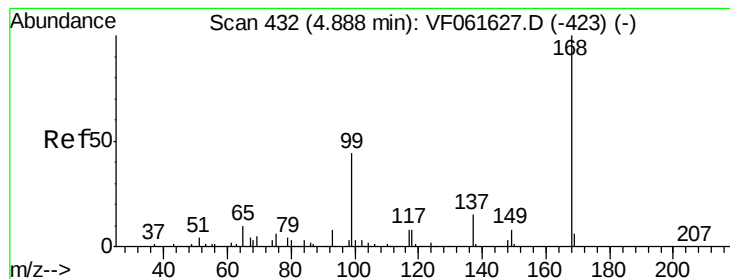
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

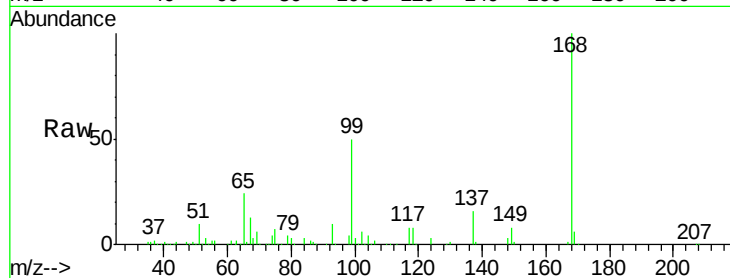
VF0225SBSD01

Tot Ion:168 Resp: 323404

Ion Ratio Lower Upper

168 100

99 49.7 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

100000

80000

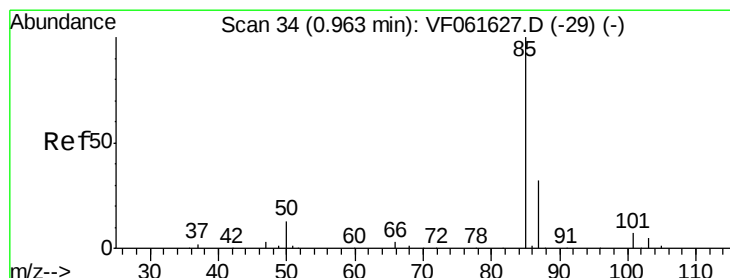
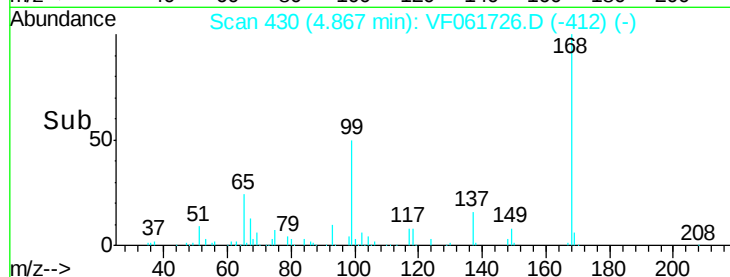
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 24.120 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061726.D

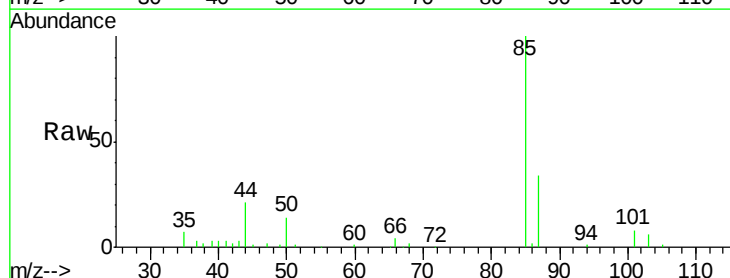
Acq: 25 Feb 2019 13:14

Tgt Ion: 85 Resp: 89580

Ion Ratio Lower Upper

85 100

87 34.3 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

30000

25000

20000

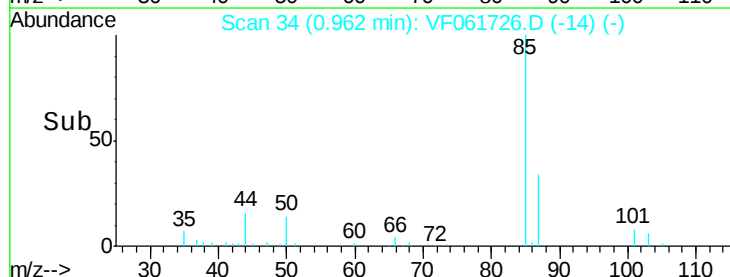
15000

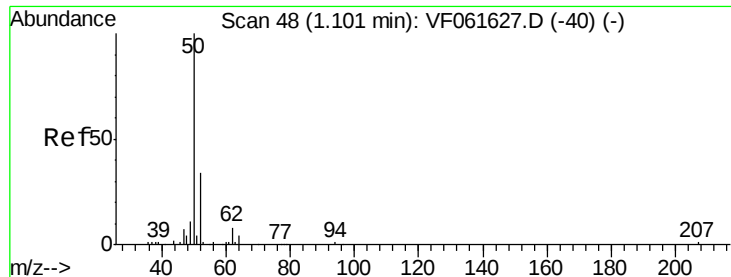
10000

5000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 21.788 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

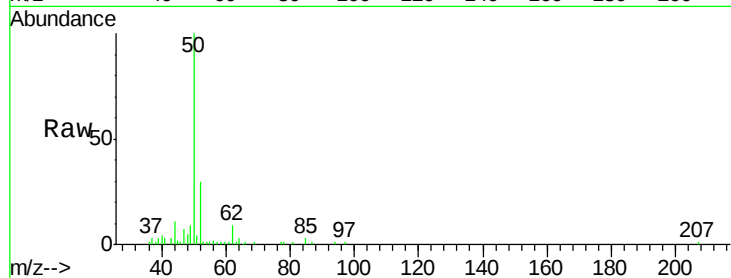
VF0225SBSD01

Tot Ion: 50 Resp: 84902

Ion Ratio Lower Upper

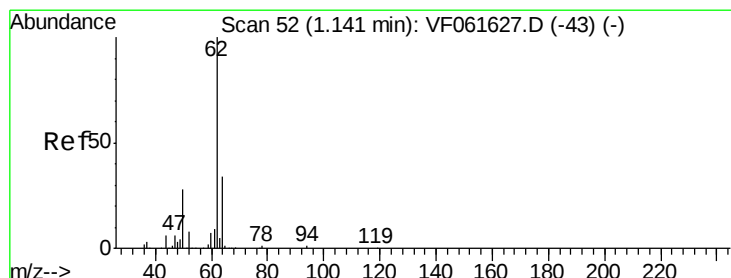
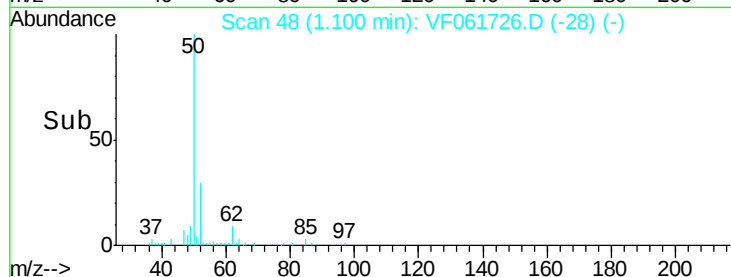
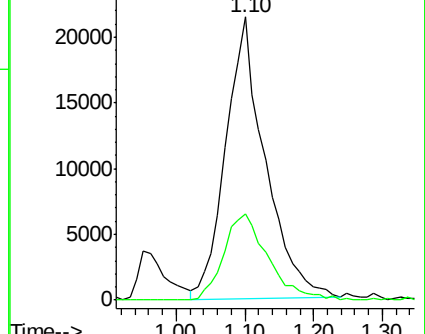
50 100

52 30.3 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.515 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061726.D

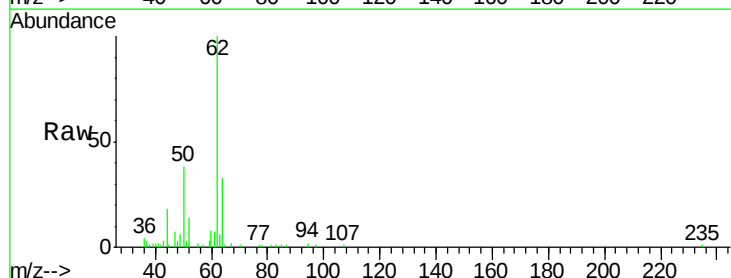
Acq: 25 Feb 2019 13:14

Tgt Ion: 62 Resp: 77937

Ion Ratio Lower Upper

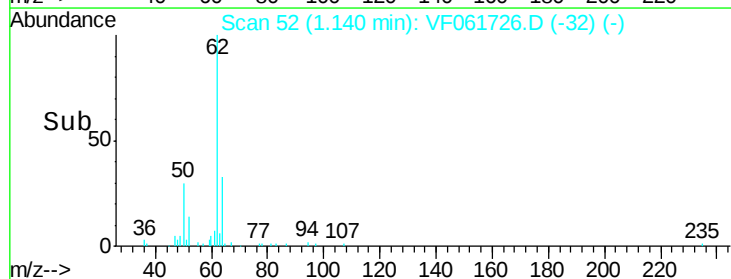
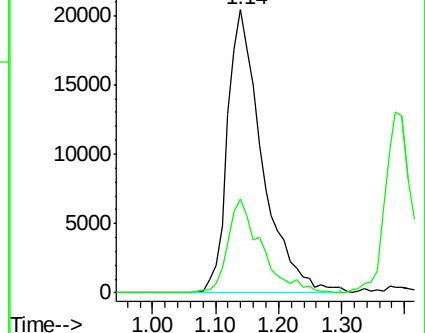
62 100

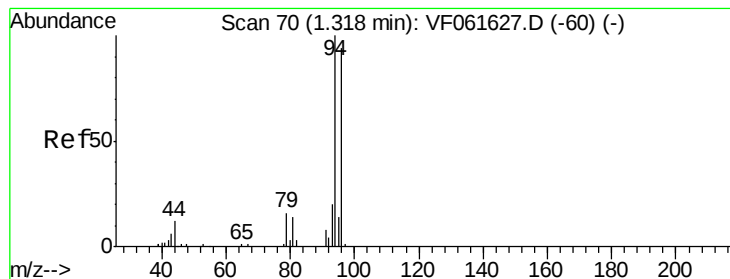
64 33.2 27.5 41.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.927 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.02 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

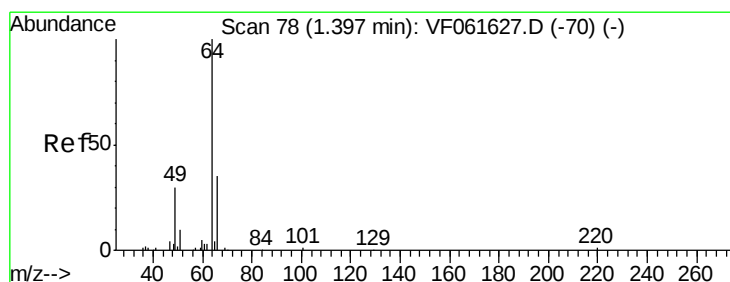
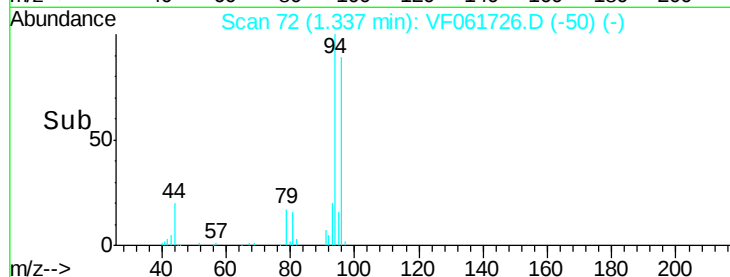
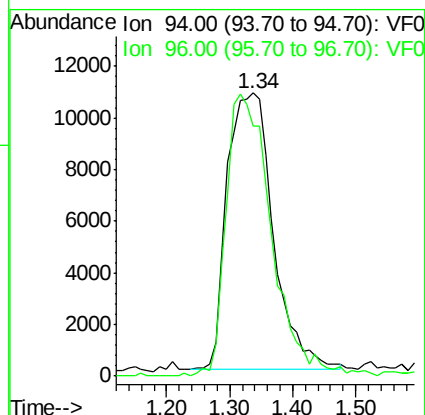
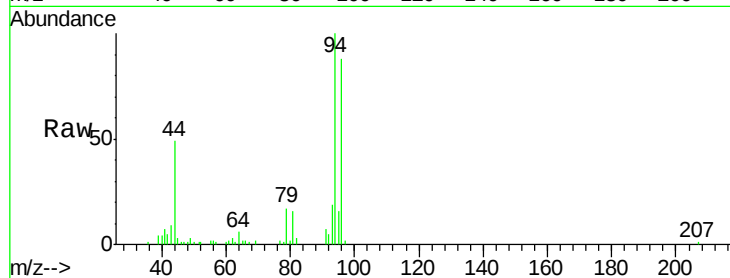
VF0225SBSD01

Tot Ion: 94 Resp: 54667

Ion Ratio Lower Upper

94 100

96 88.3 74.6 112.0



#6

Chloroethane

Concen: 22.559 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061726.D

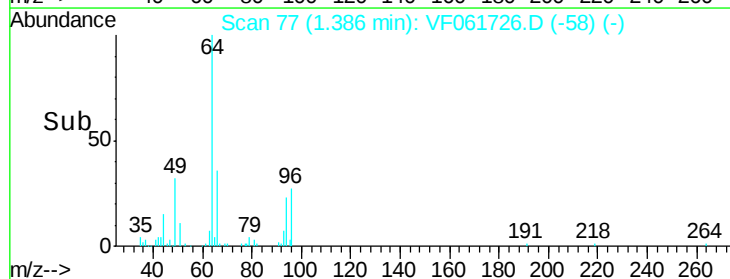
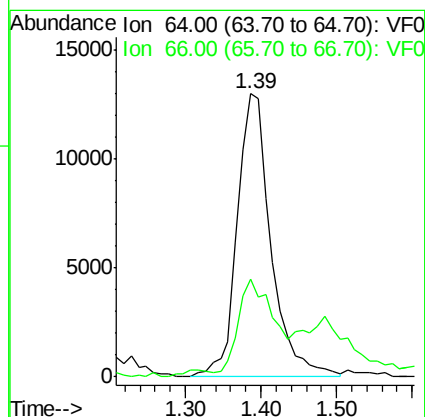
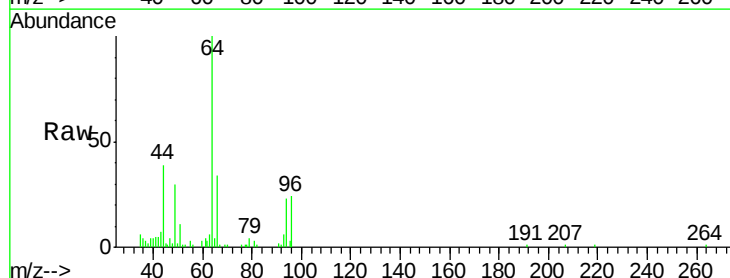
Acq: 25 Feb 2019 13:14

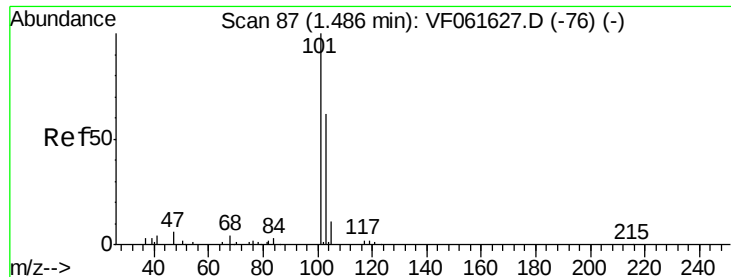
Tgt Ion: 64 Resp: 40272

Ion Ratio Lower Upper

64 100

66 34.4 27.9 41.9



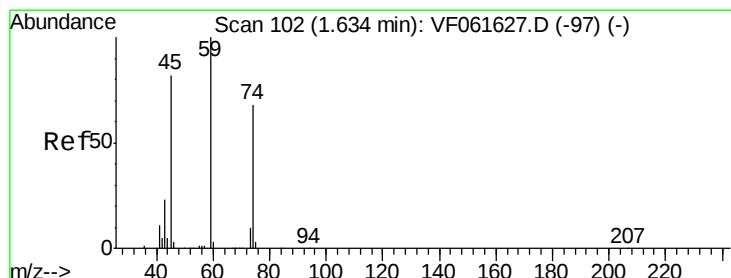
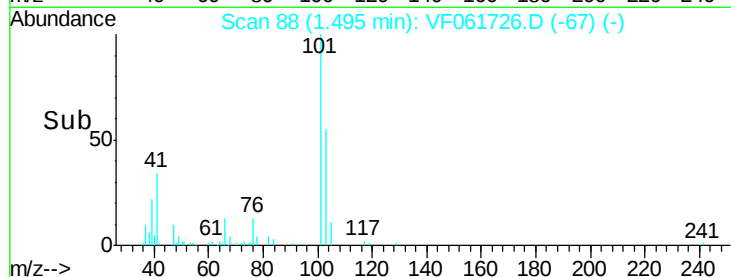
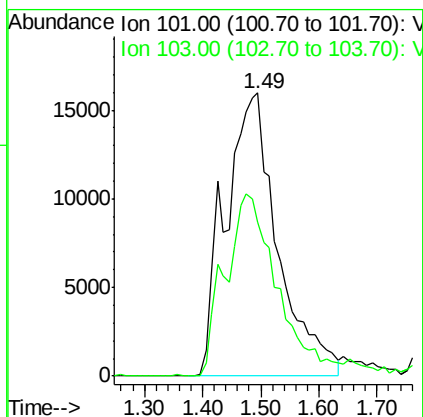
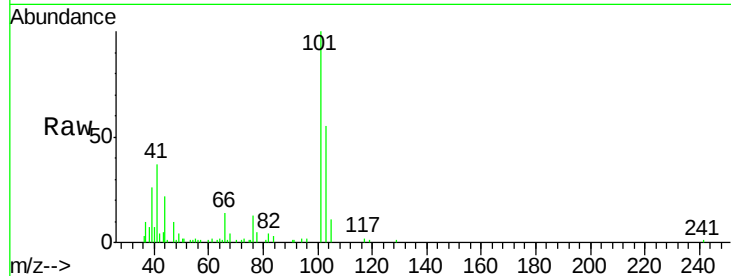


#7

Trichlorofluoromethane
 Concen: 22.968 ug/l
 RT: 1.49 min Scan# 88
 Delta R.T. 0.01 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBSD01

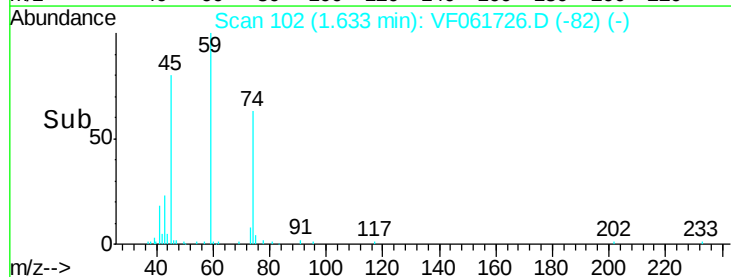
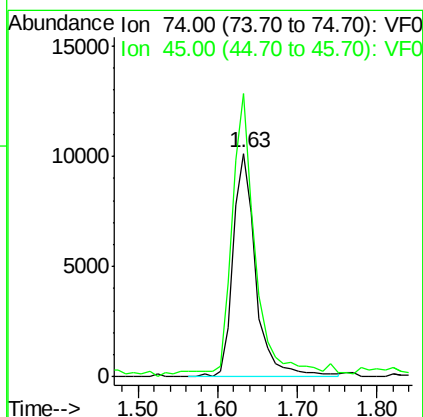
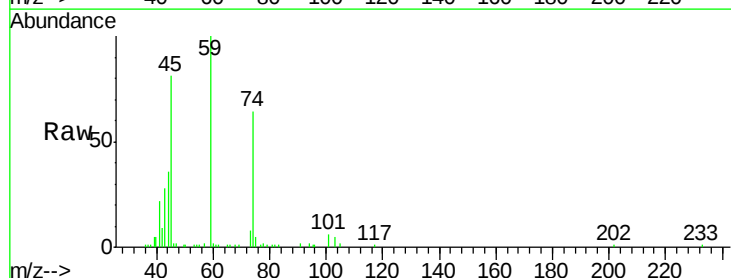
Tot Ion:101 Resp: 100352
 Ion Ratio Lower Upper
 101 100
 103 54.5 49.3 73.9

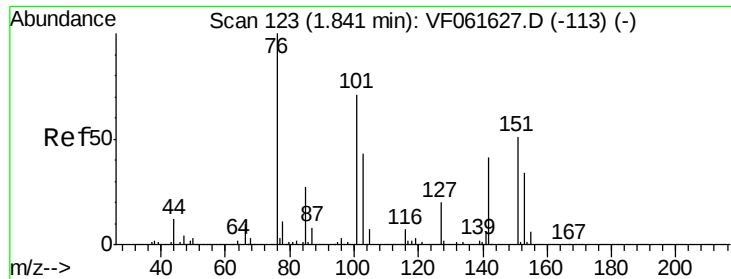


#8

Diethyl Ether
 Concen: 18.494 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. -0.00 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

Tgt Ion: 74 Resp: 20363
 Ion Ratio Lower Upper
 74 100
 45 126.8 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.625 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

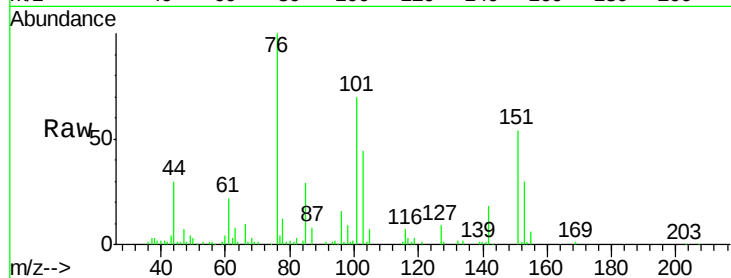
Tot Ion:101 Resp: 71315

Ion Ratio Lower Upper

101 100

85 41.5 29.8 44.6

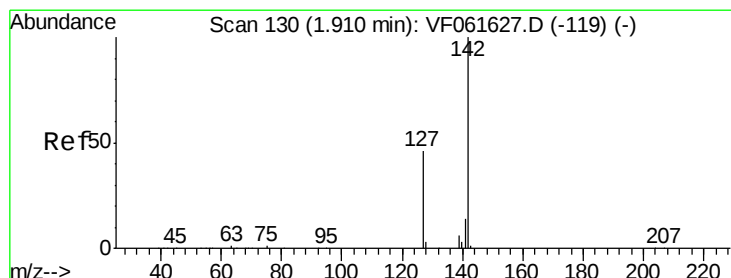
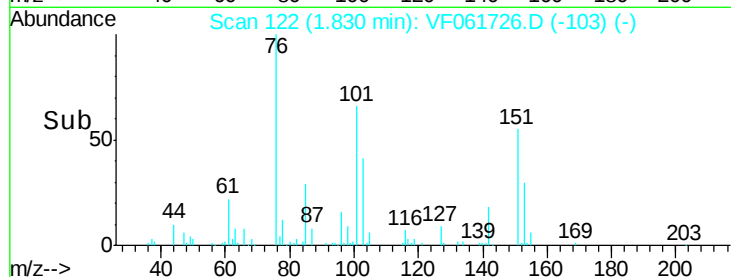
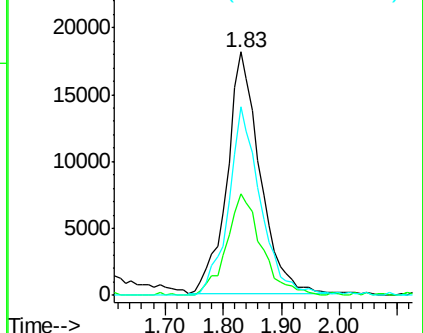
151 77.3 56.3 84.5



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: 22.060 ug/l m

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

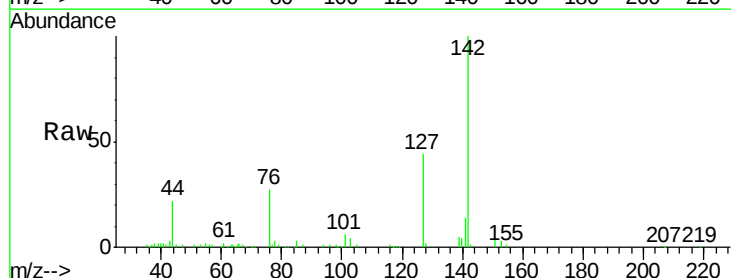
Tgt Ion:142 Resp: 132821

Ion Ratio Lower Upper

142 100

127 44.2 36.6 55.0

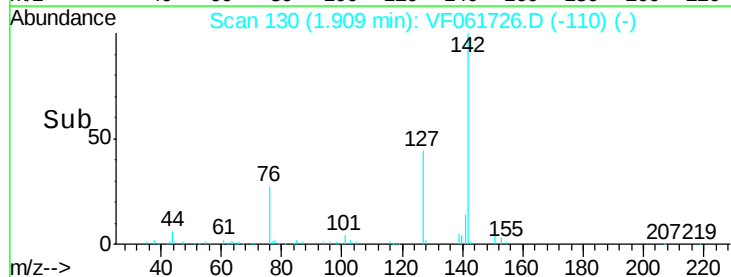
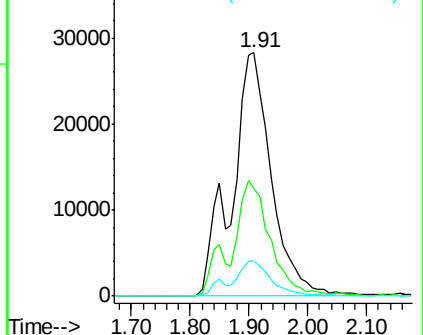
141 14.5 11.0 16.6

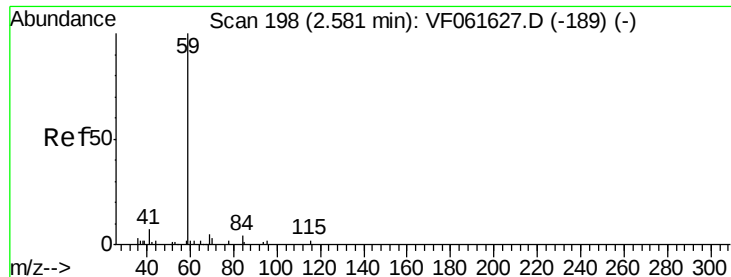


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



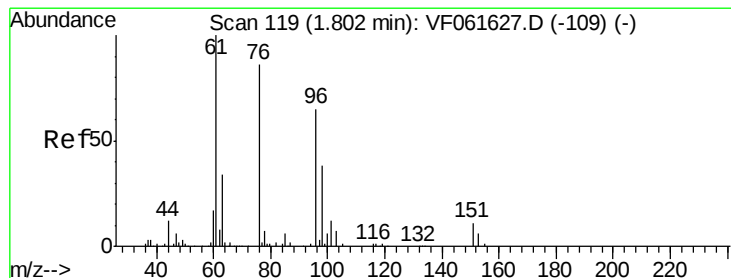
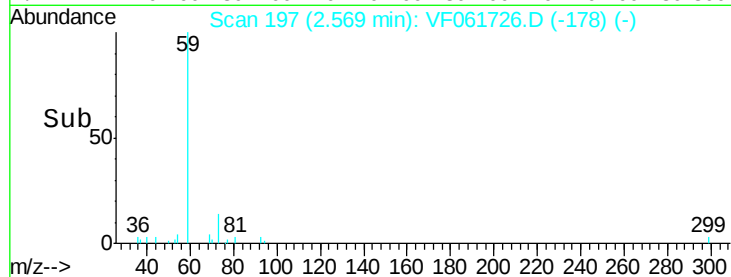
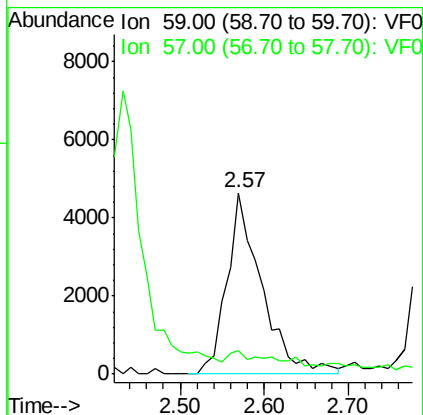
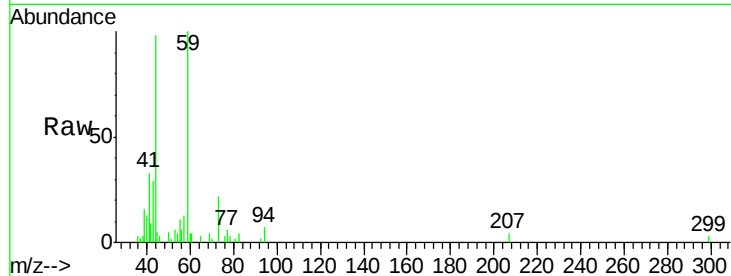


#11

Tert butyl alcohol
 Concen: 97.456 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBSD01

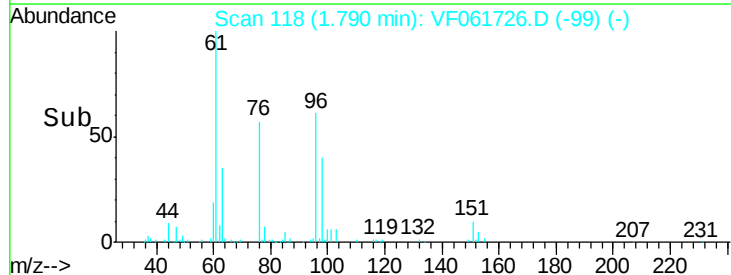
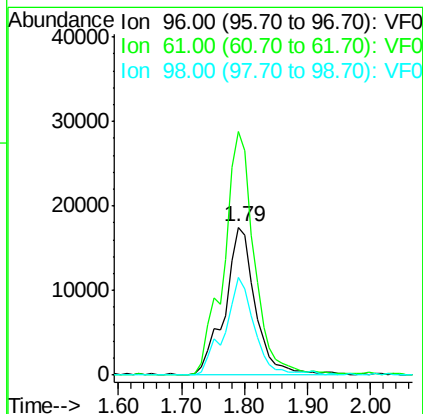
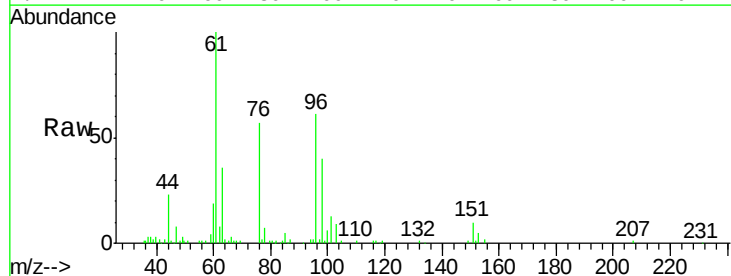
Tot Ion: 59 Resp: 13376
 Ion Ratio Lower Upper
 59 100
 57 12.7 12.5 18.7

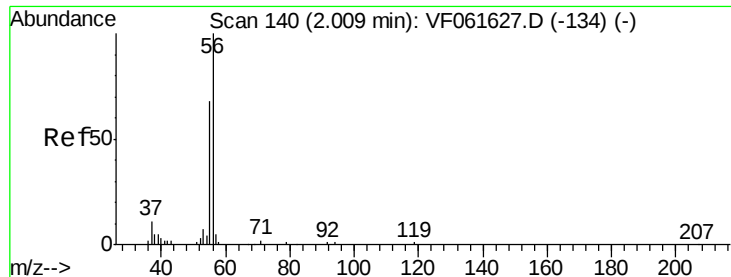


#12

1,1-Dichloroethene
 Concen: 21.180 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

Tgt Ion: 96 Resp: 58695
 Ion Ratio Lower Upper
 96 100
 61 164.2 122.6 184.0
 98 66.3 47.2 70.8





#13

Acrolein

Concen: 79.061 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

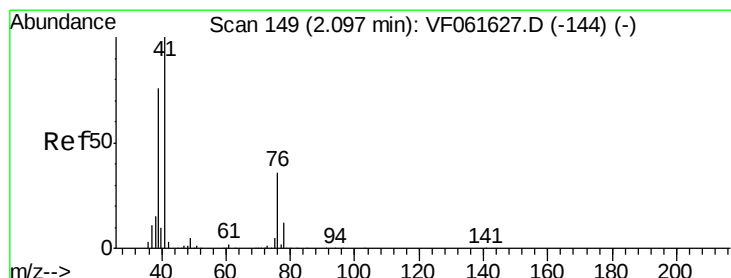
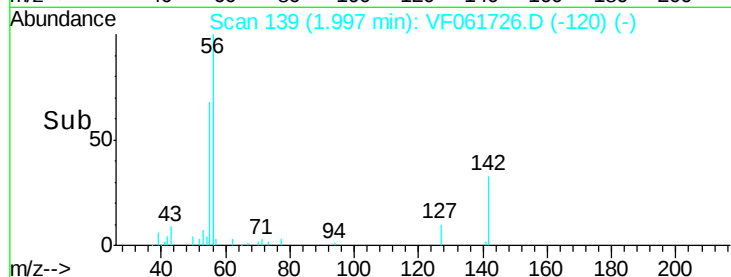
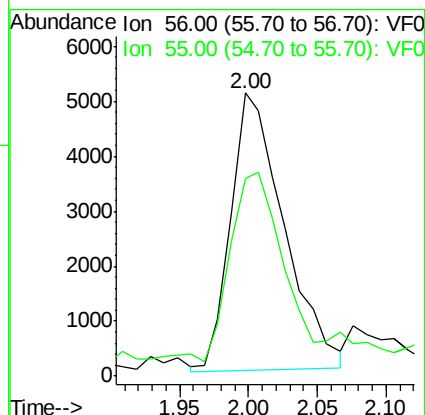
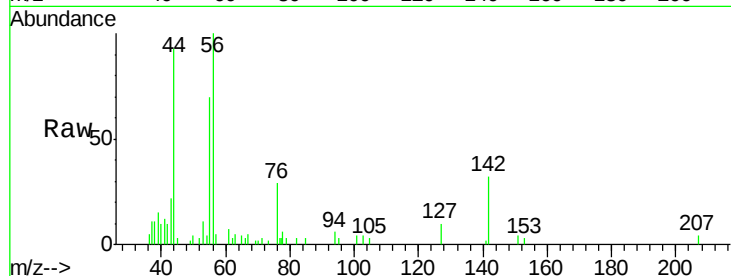
VF0225SBSD01

Tot Ion: 56 Resp: 13638

Ion Ratio Lower Upper

56 100

55 69.9 55.0 82.6



#14

Allyl chloride

Concen: 21.363 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

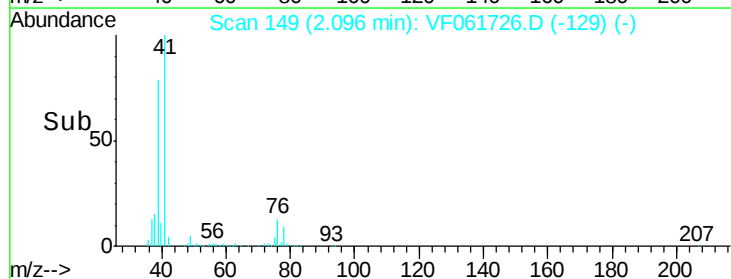
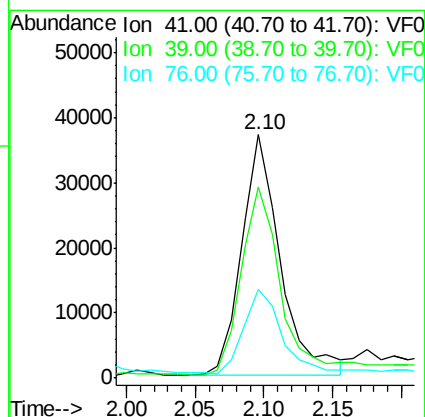
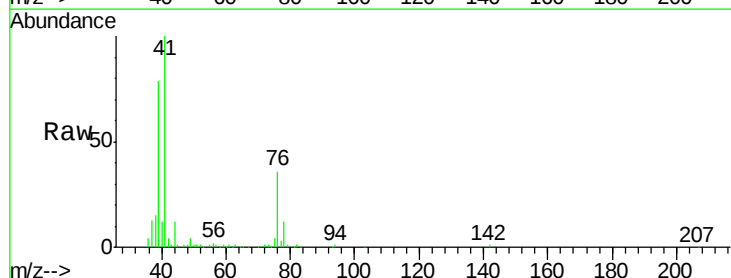
Tgt Ion: 41 Resp: 72646

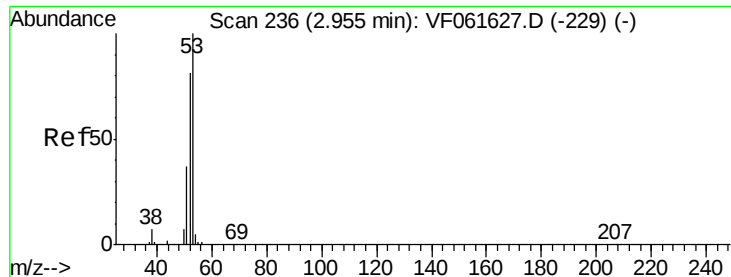
Ion Ratio Lower Upper

41 100

39 78.6 61.6 92.4

76 36.5 30.3 45.5





#15

Acrylonitrile

Concen: 97.343 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

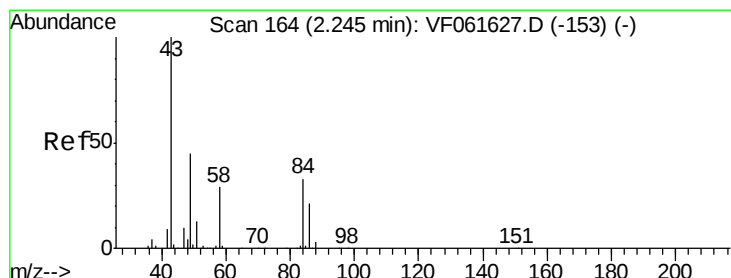
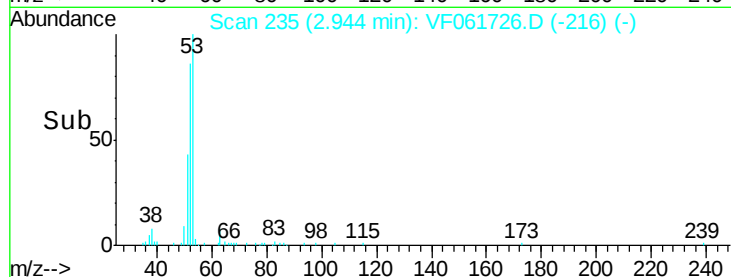
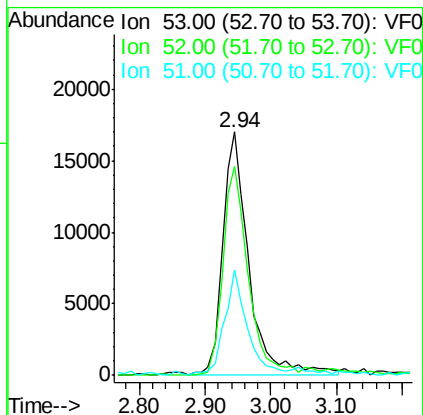
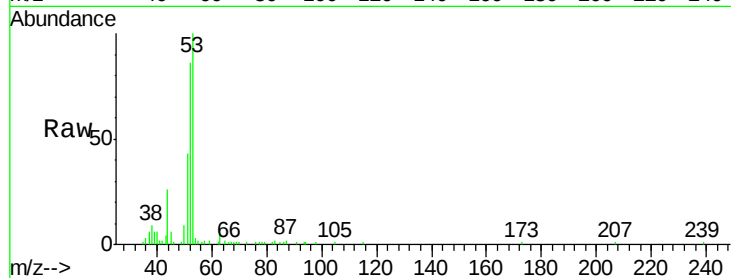
Tot Ion: 53 Resp: 47390

Ion Ratio Lower Upper

53 100

52 85.9 64.6 97.0

51 43.4 29.8 44.8



#16

Acetone

Concen: 110.653 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.00 min

Lab File: VF061726.D

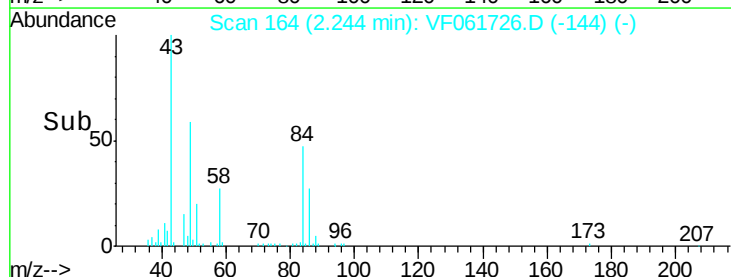
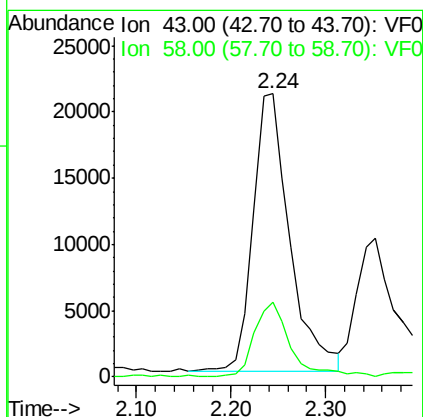
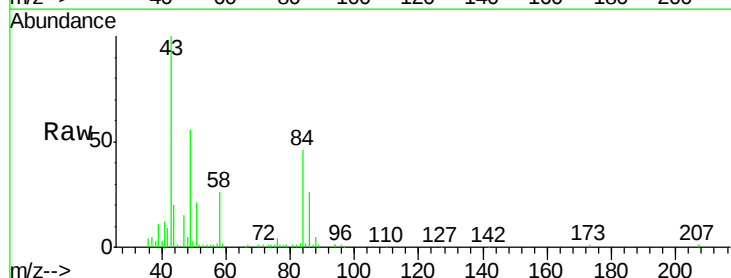
Acq: 25 Feb 2019 13:14

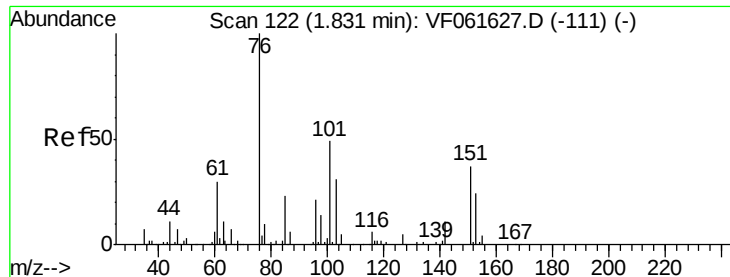
Tgt Ion: 43 Resp: 56304

Ion Ratio Lower Upper

43 100

58 26.3 22.9 34.3

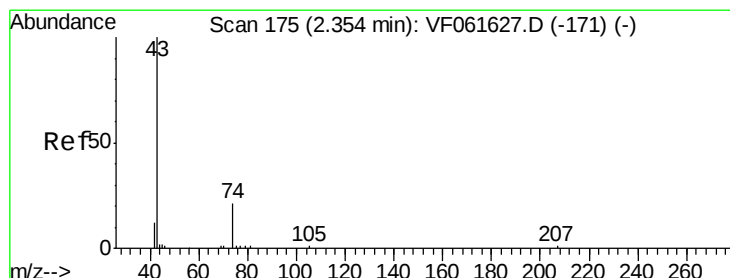
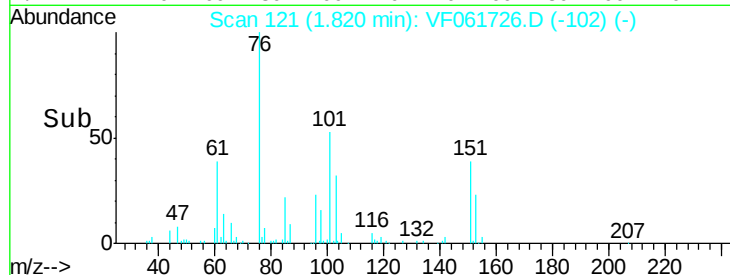
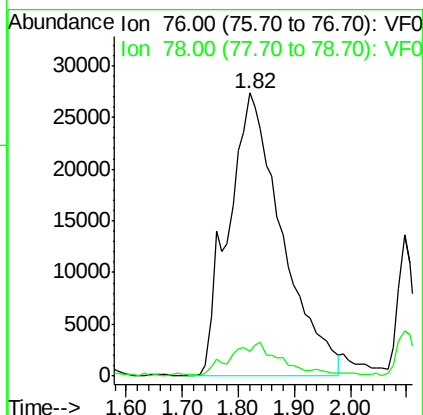
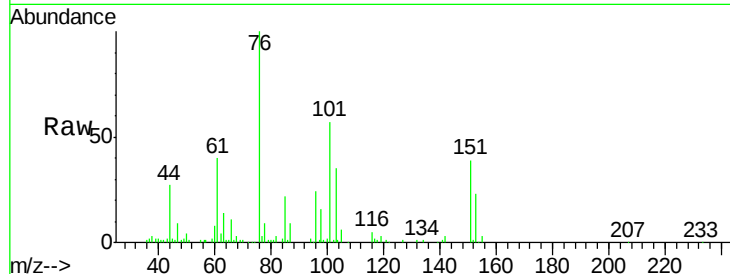




#17
Carbon Disulfide
Concen: 20.895 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

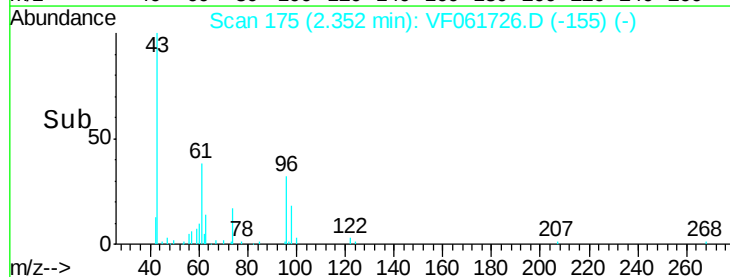
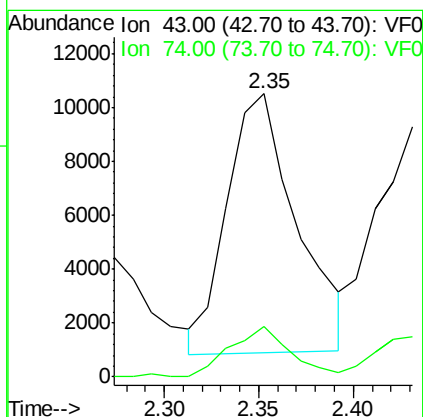
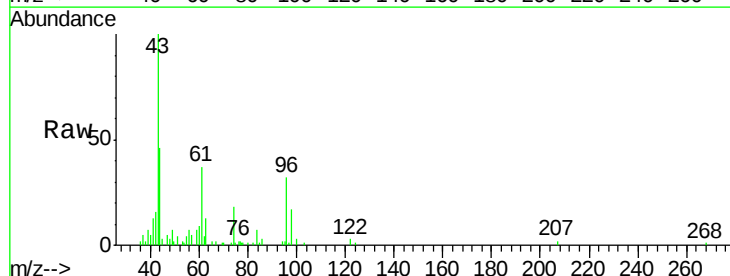
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBSD01

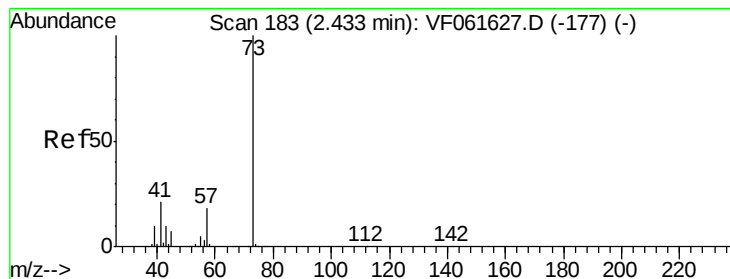
Tot Ion: 76 Resp: 182018
Ion Ratio Lower Upper
76 100
78 8.6 7.9 11.9



#18
Methyl Acetate
Concen: 21.513 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

Tgt Ion: 43 Resp: 24660
Ion Ratio Lower Upper
43 100
74 17.7 14.6 21.8



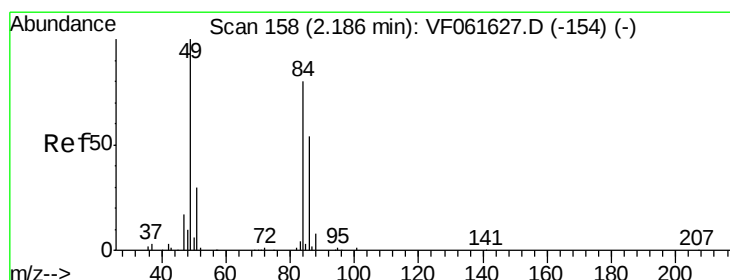
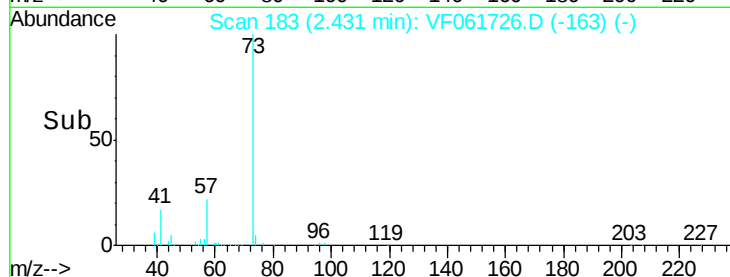
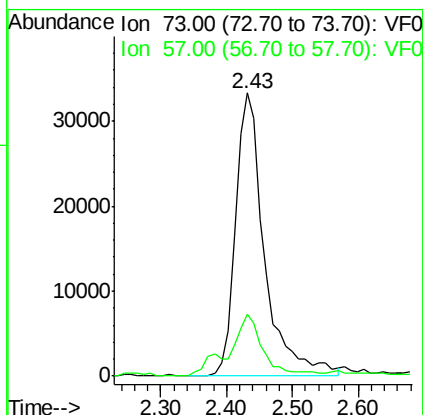
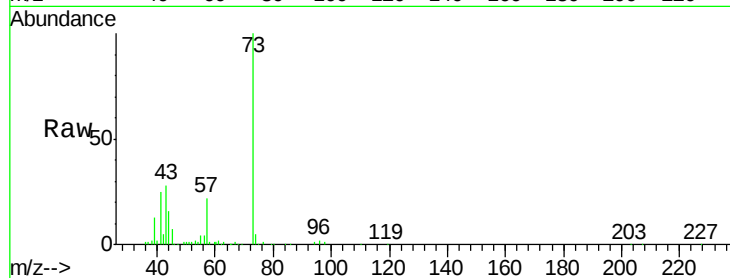


#19

Methyl tert-butyl Ether
 Concen: 21.809 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

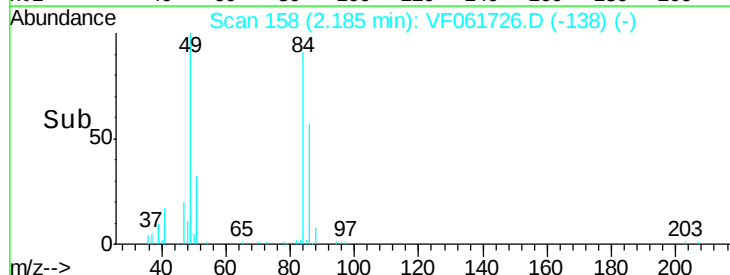
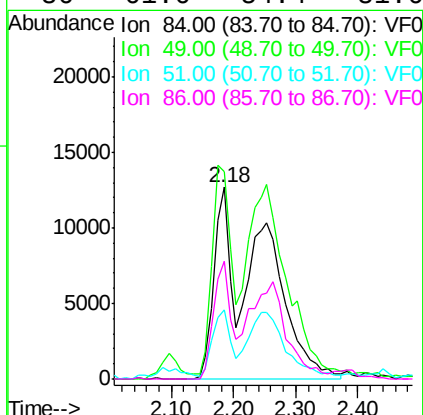
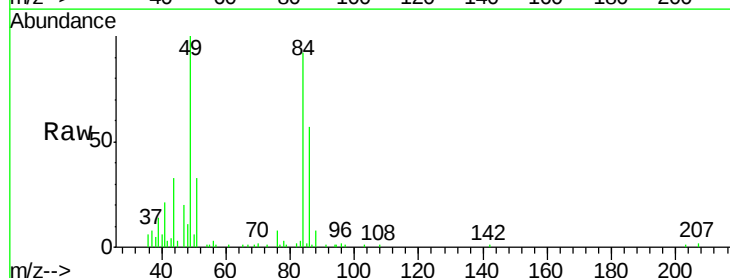
Tot Ion: 73 Resp: 103291
 Ion Ratio Lower Upper
 73 100
 57 21.8 15.8 23.8

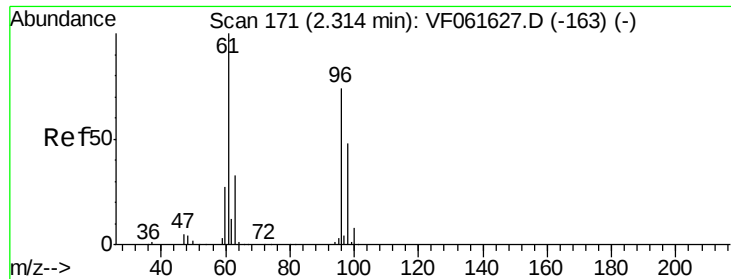


#20

Methylene Chloride
 Concen: 23.345 ug/l m
 RT: 2.18 min Scan# 158
 Delta R.T. -0.00 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

Tgt Ion: 84 Resp: 67317
 Ion Ratio Lower Upper
 84 100
 49 108.3 101.8 152.8
 51 36.1 31.1 46.7
 86 61.6 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 20.212 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBSD01

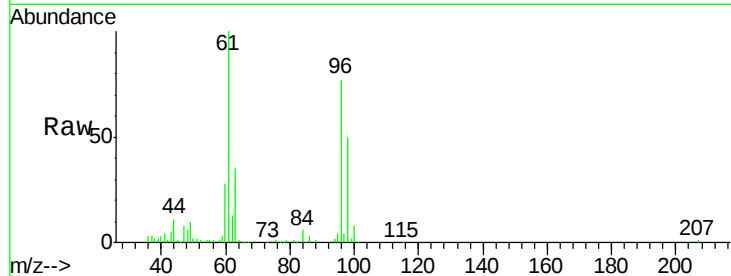
Tot Ion: 96 Resp: 60891

Ion Ratio Lower Upper

96 100

61 130.0 108.2 162.4

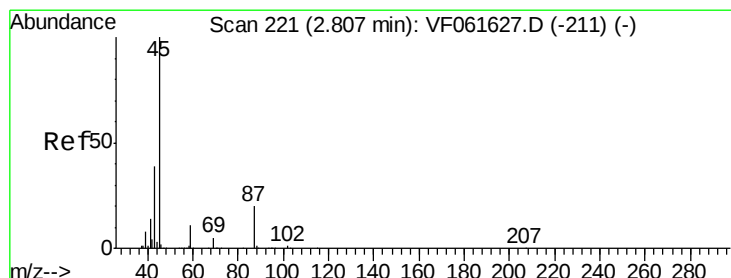
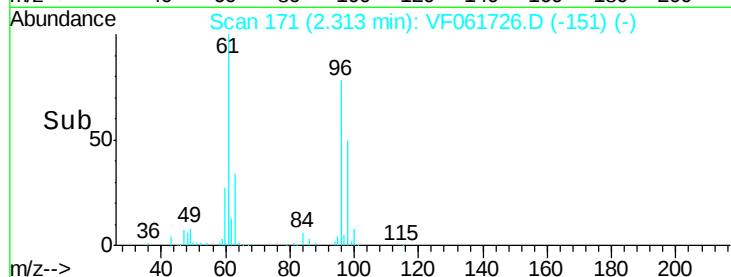
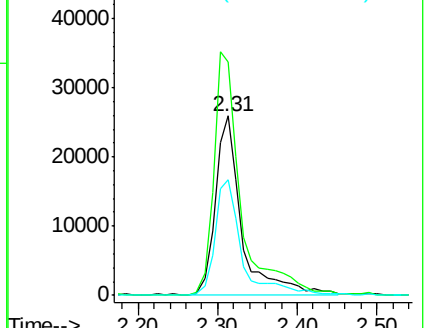
98 64.7 52.2 78.2



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



#22

Diisopropyl ether

Concen: 21.318 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Tgt Ion: 45 Resp: 174020

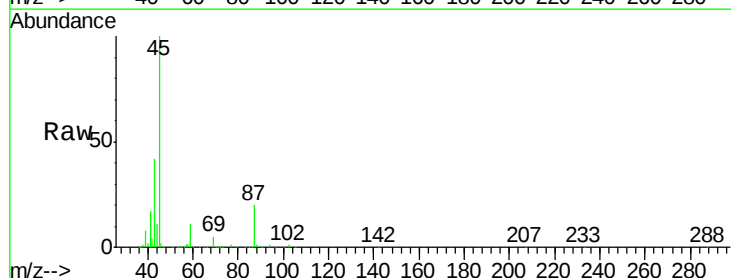
Ion Ratio Lower Upper

45 100

43 41.7 31.4 47.2

87 20.0 16.3 24.5

59 10.7 8.7 13.1

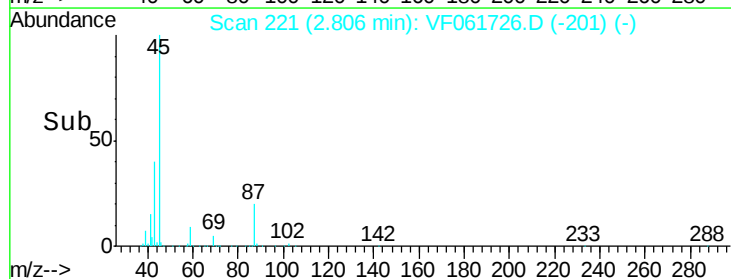
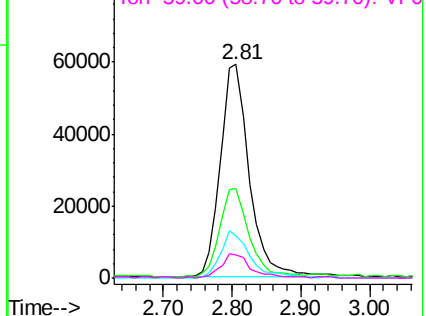


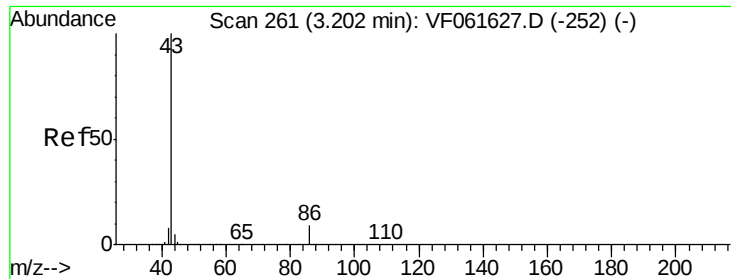
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 96.495 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

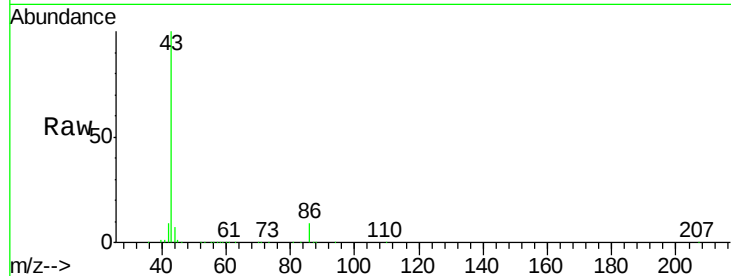
VF0225SBSD01

Tot Ion: 43 Resp: 384728

Ion Ratio Lower Upper

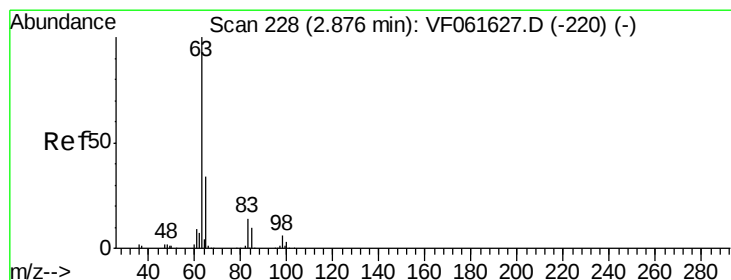
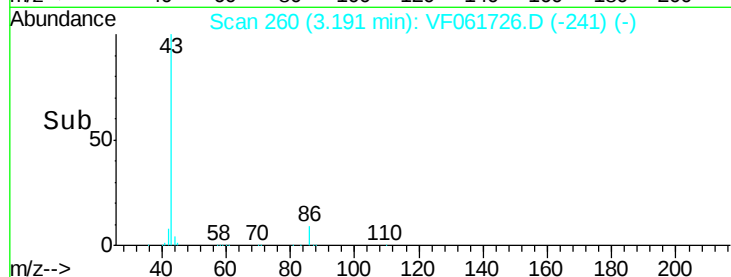
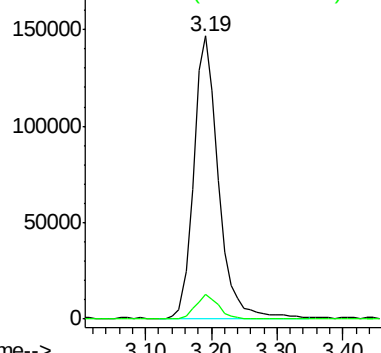
43 100

86 8.7 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 22.339 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

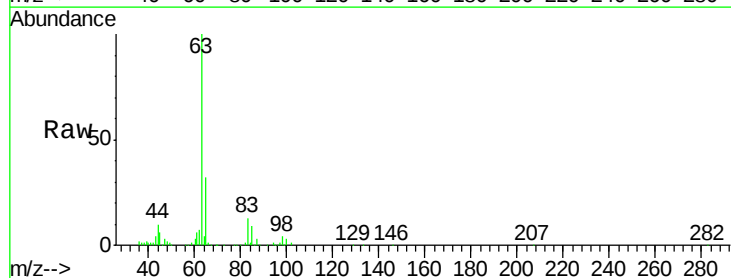
Tgt Ion: 63 Resp: 110351

Ion Ratio Lower Upper

63 100

98 4.1 2.8 8.3

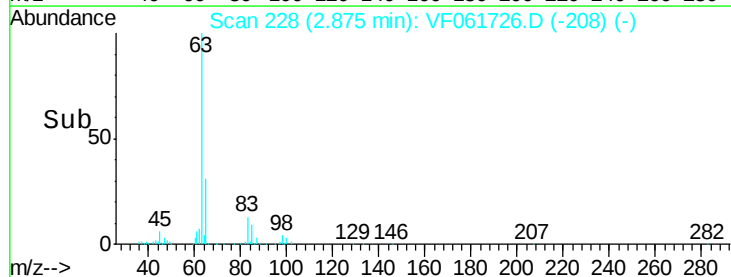
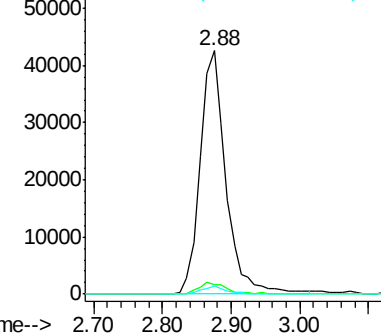
100 3.3 1.8 5.4

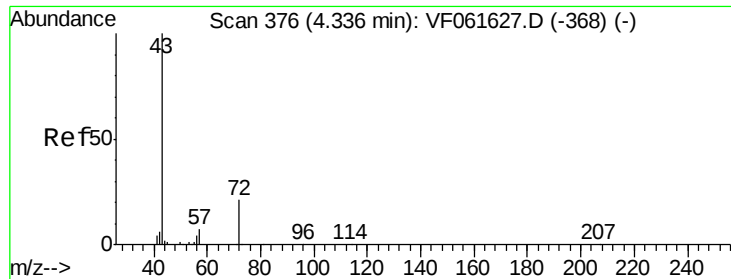


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 104.643 ug/l

RT: 4.33 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

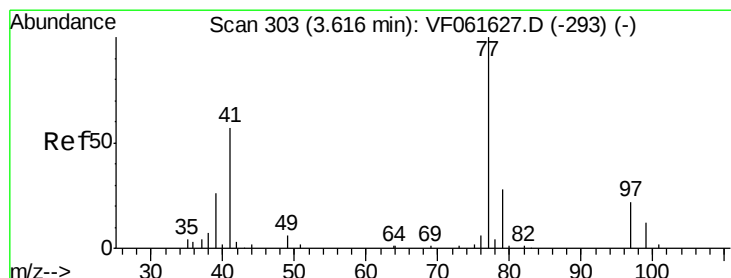
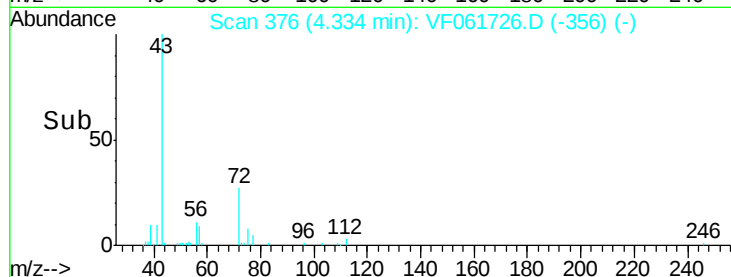
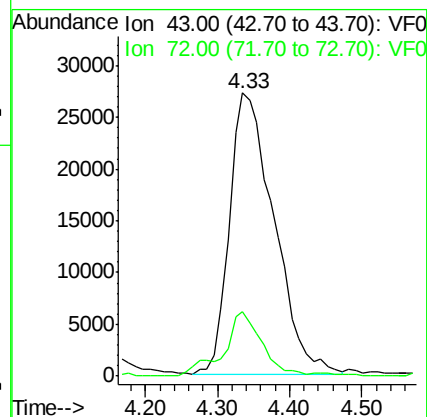
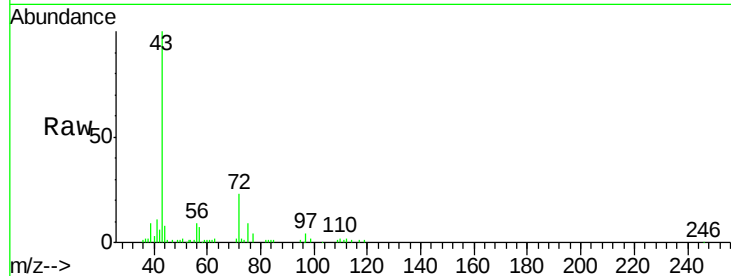
VF0225SBSD01

Tot Ion: 43 Resp: 116306

Ion Ratio Lower Upper

43 100

72 22.9 17.1 25.7



#26

2,2-Dichloropropane

Concen: 24.422 ug/l

RT: 3.59 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF061726.D

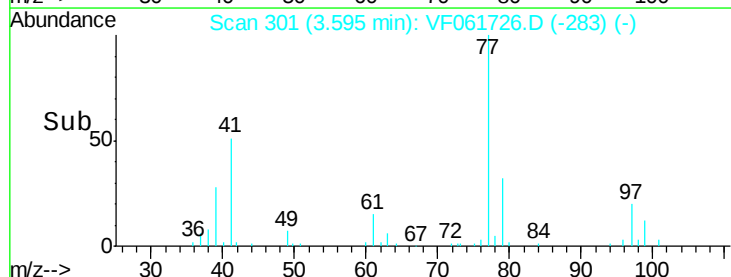
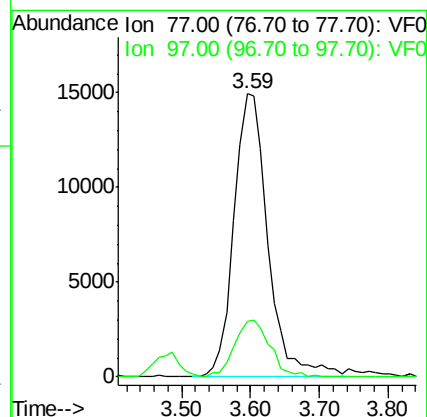
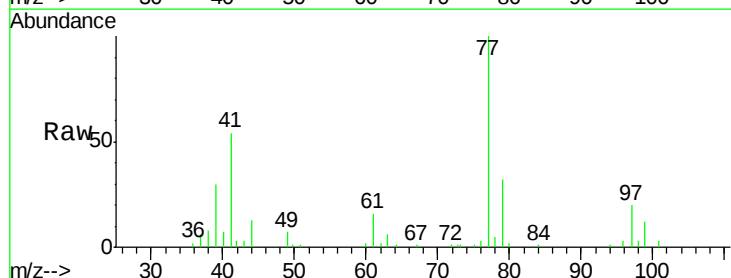
Acq: 25 Feb 2019 13:14

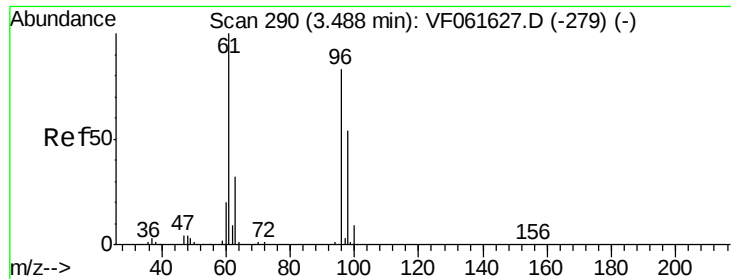
Tgt Ion: 77 Resp: 51101

Ion Ratio Lower Upper

77 100

97 19.7 11.7 35.0



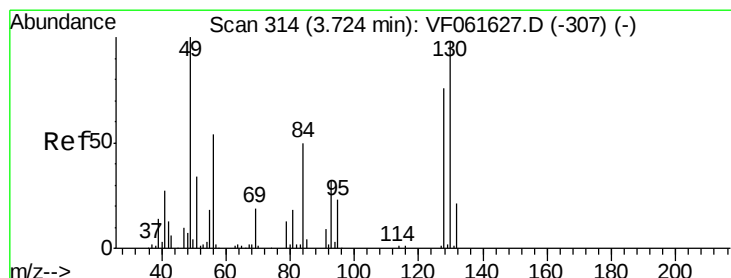
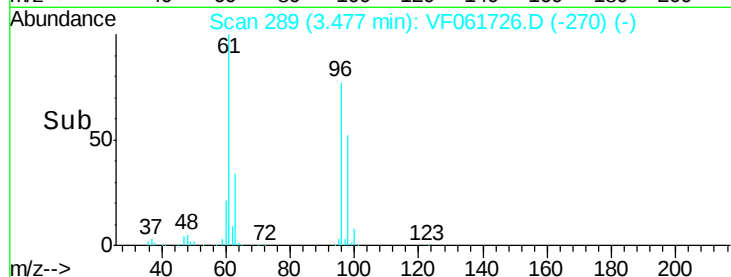
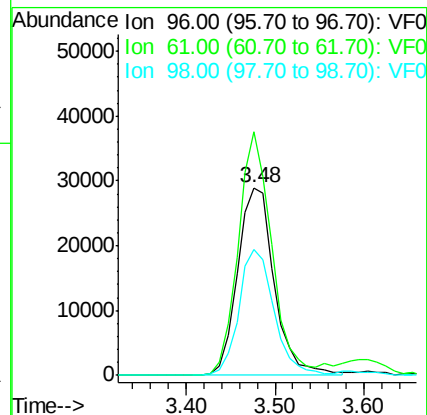
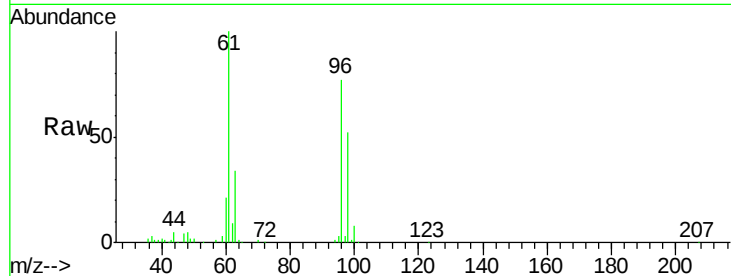


#27

cis-1,2-Dichloroethene
Concen: 20.935 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.01 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
VF0225SBSD01

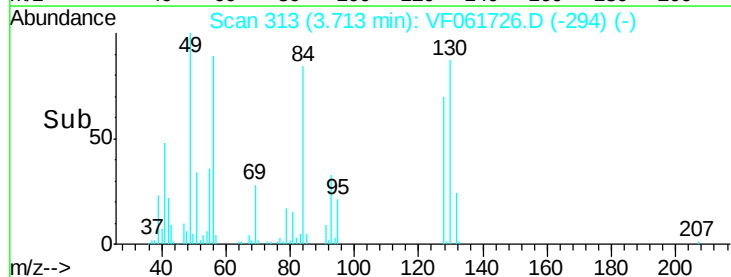
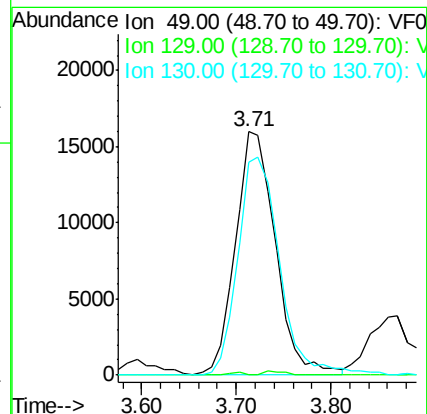
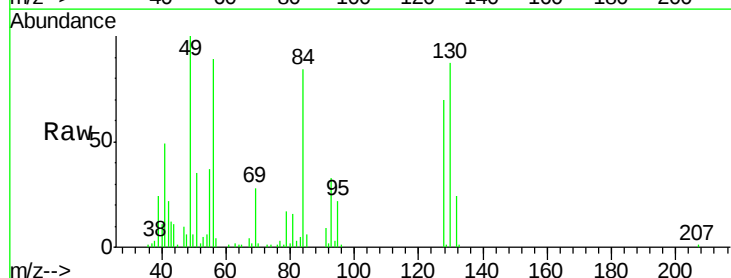
Tot Ion: 96 Resp: 82781
Ion Ratio Lower Upper
96 100
61 129.6 0.0 241.6
98 66.9 0.0 130.2

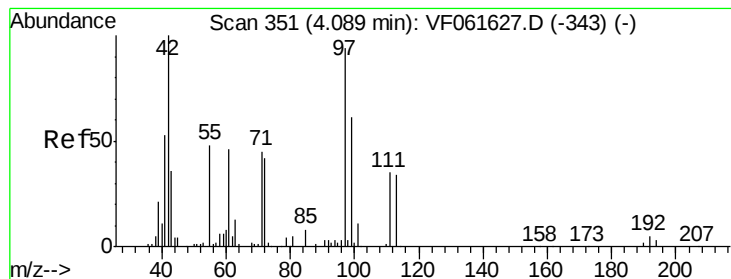


#28

Bromochloromethane
Concen: 19.810 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

Tgt Ion: 49 Resp: 46954
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.4
130 87.2 77.7 116.5





#29

Tetrahydrofuran

Concen: 96.114 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

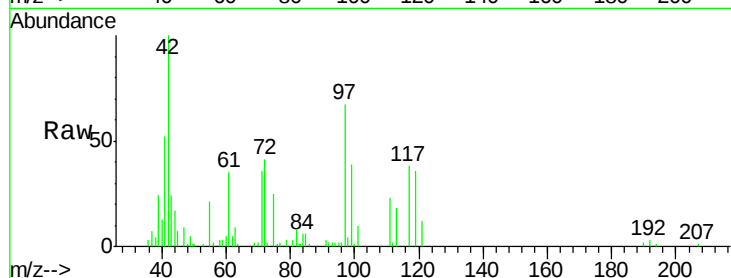
Tot Ion: 42 Resp: 48553

Ion Ratio Lower Upper

42 100

72 42.7 35.2 52.8

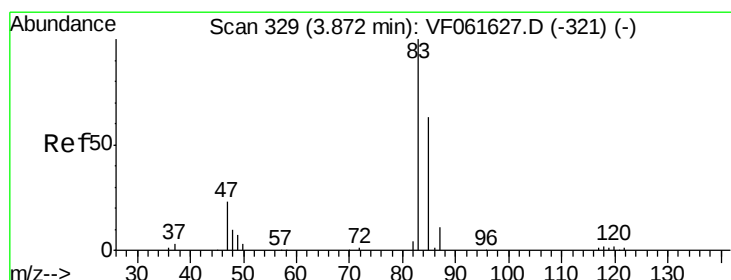
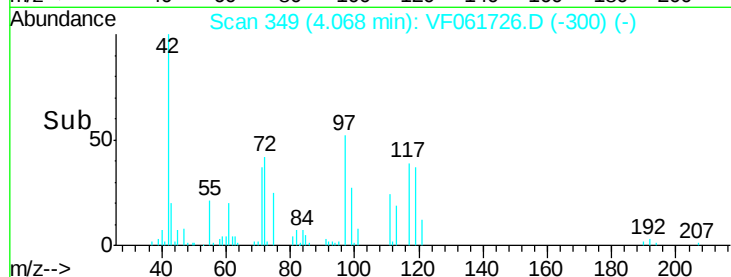
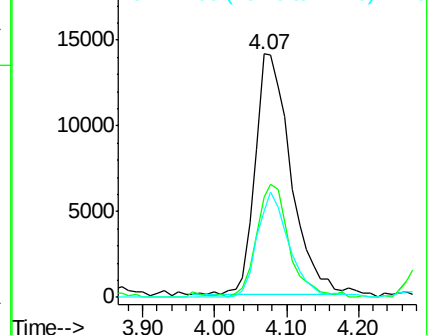
71 39.7 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 22.682 ug/l

RT: 3.86 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF061726.D

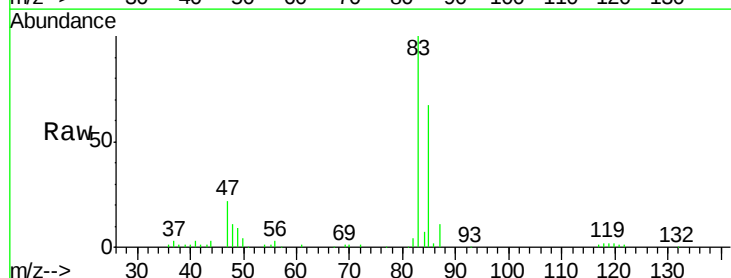
Acq: 25 Feb 2019 13:14

Tgt Ion: 83 Resp: 127422

Ion Ratio Lower Upper

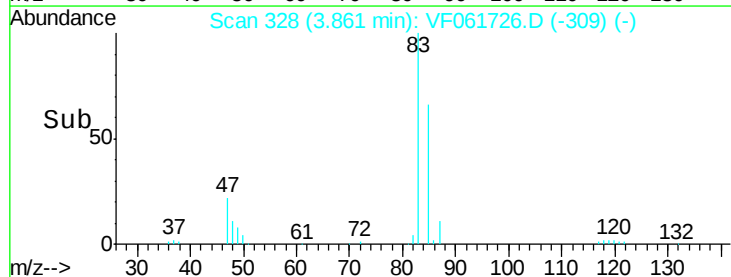
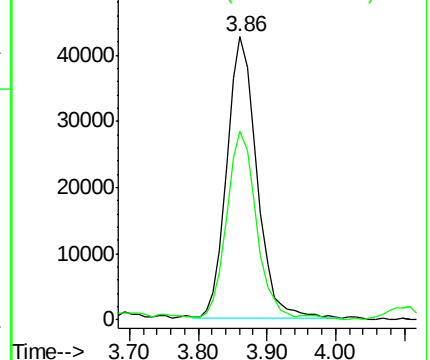
83 100

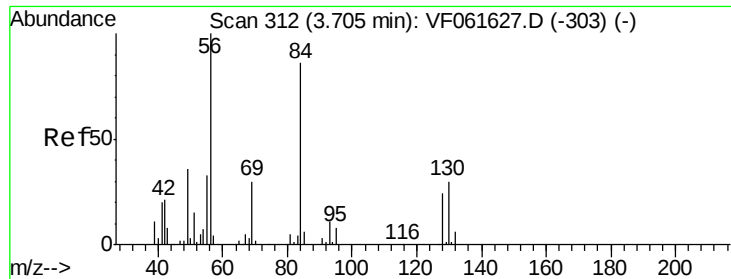
85 66.8 51.1 76.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 21.261 ug/l m

RT: 3.69 min Scan# 311

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

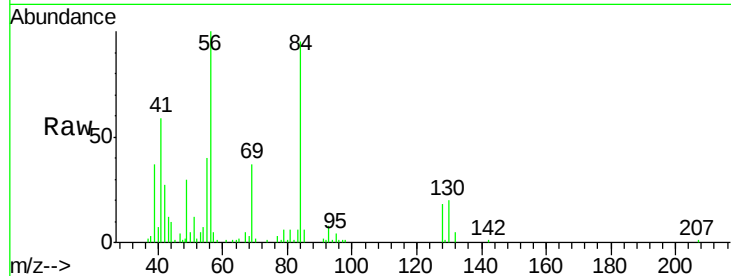
Tot Ion: 56 Resp: 113697

Ion Ratio Lower Upper

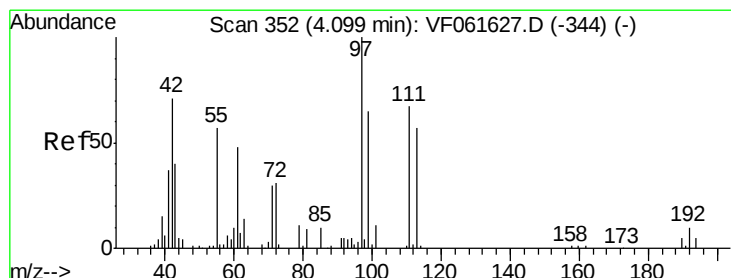
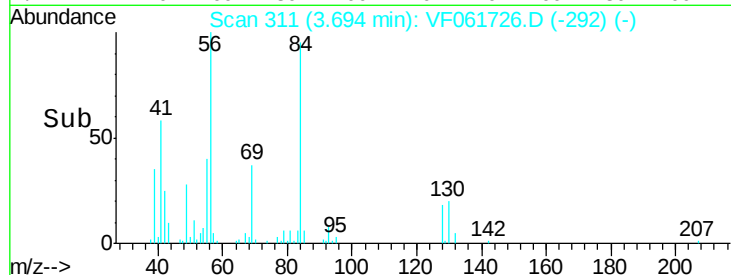
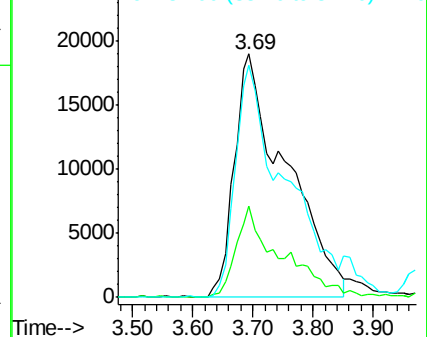
56 100

69 37.3 23.8 35.8#

84 95.5 68.6 103.0



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: 21.637 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

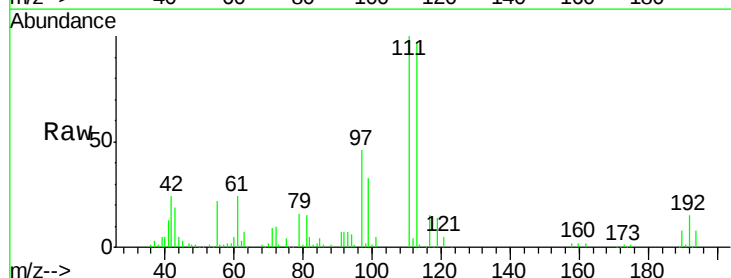
Tgt Ion: 97 Resp: 79626

Ion Ratio Lower Upper

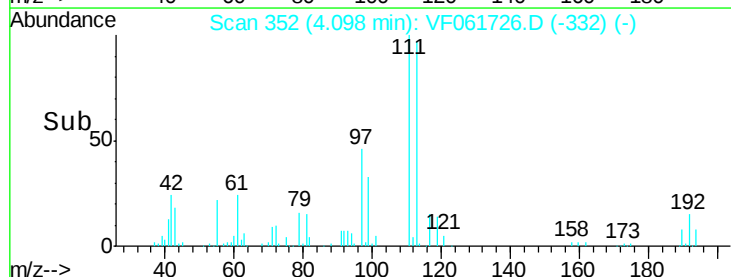
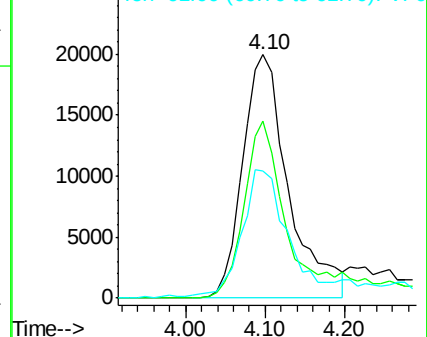
97 100

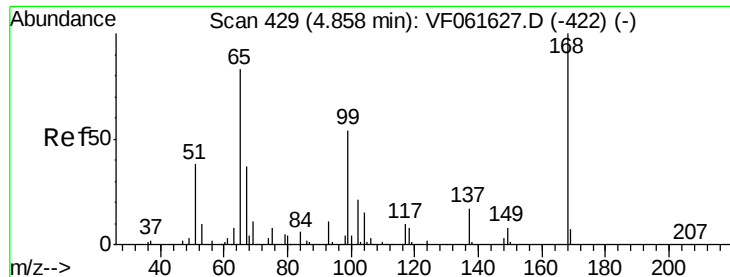
99 72.5 52.2 78.2

61 52.2 39.2 58.8



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: 53.735 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

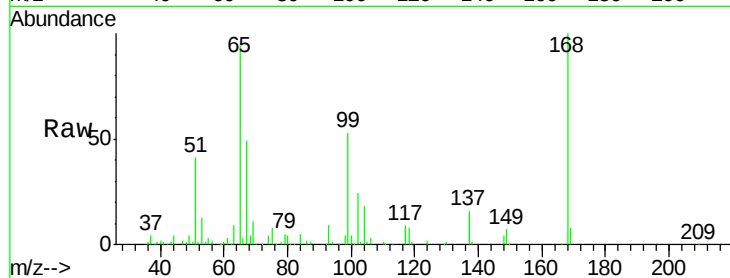
VF0225SBSD01

Tot Ion: 65 Resp: 127436

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

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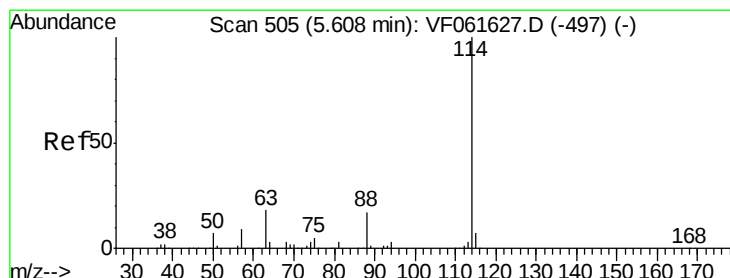
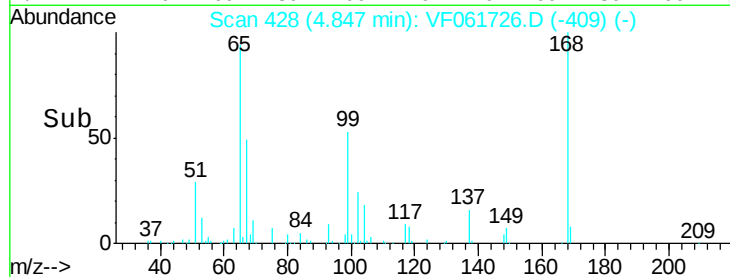
4.85

4.85

4.85

4.85

4.85



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

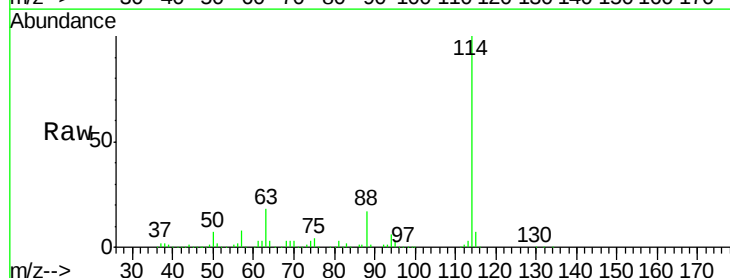
Tgt Ion: 114 Resp: 494085

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.6

88 17.1 0.0 34.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.60

5.60

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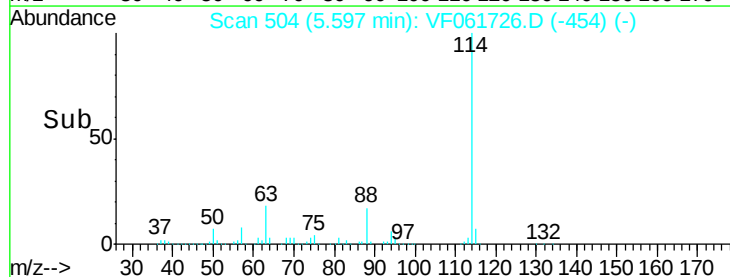
5.60

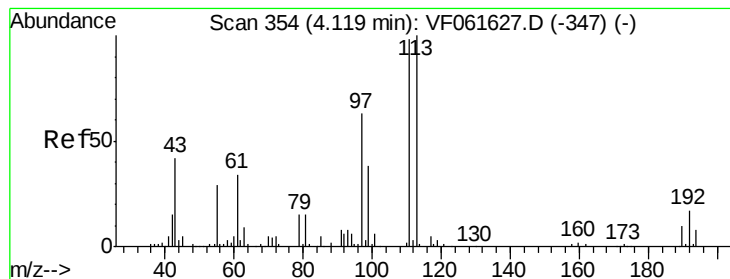
5.60

5.60

5.60

5.60





#35

Dibromofluoromethane

Concen: 51.056 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBSD01

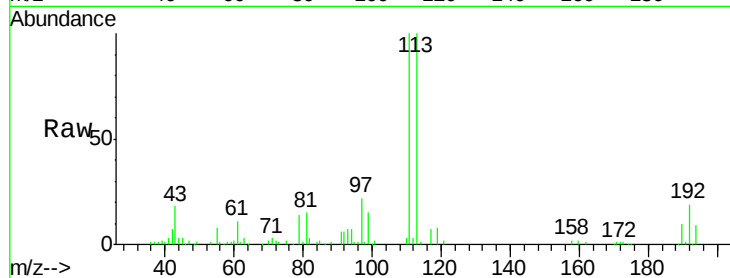
Tot Ion:113 Resp: 187330

Ion Ratio Lower Upper

113 100

111 99.7 78.8 118.2

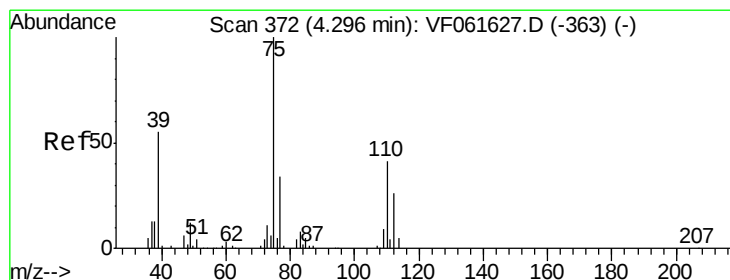
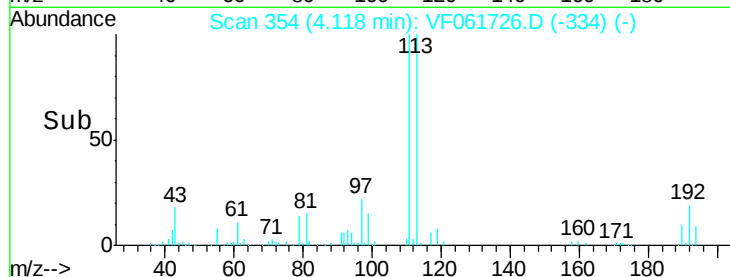
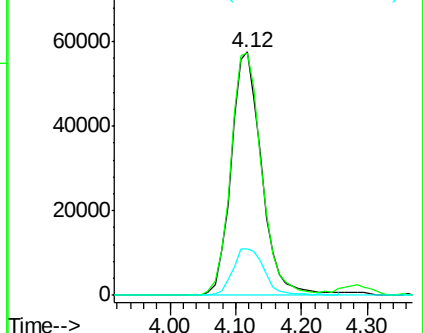
192 19.8 13.4 20.0



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 21.000 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.02 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

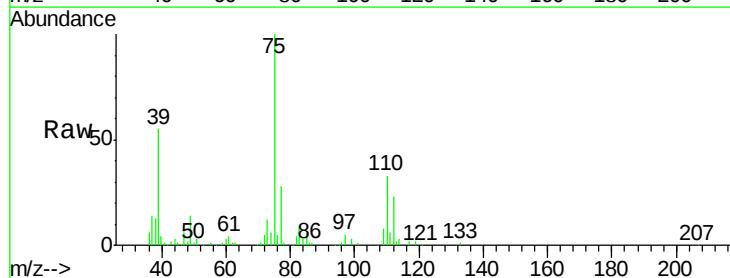
Tgt Ion: 75 Resp: 102785

Ion Ratio Lower Upper

75 100

110 33.5 20.5 61.6

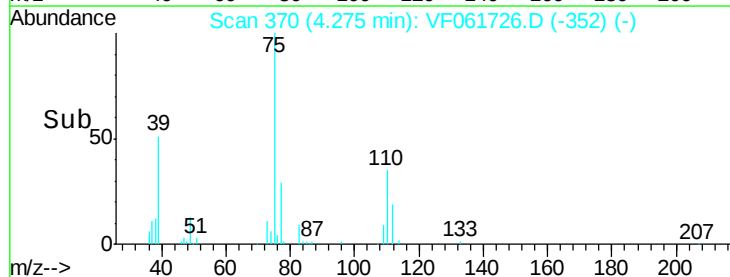
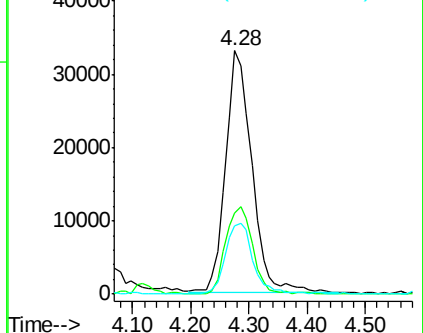
77 28.2 27.0 40.4

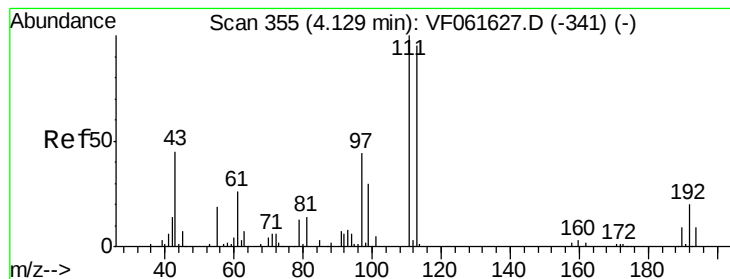


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 19.775 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBSD01

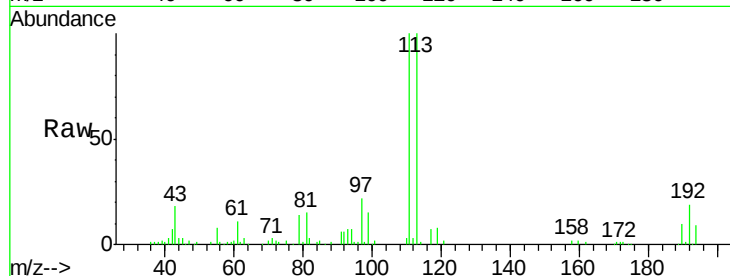
Tot Ion: 43 Resp: 44957

Ion Ratio Lower Upper

43 100

61 60.4 45.7 68.5

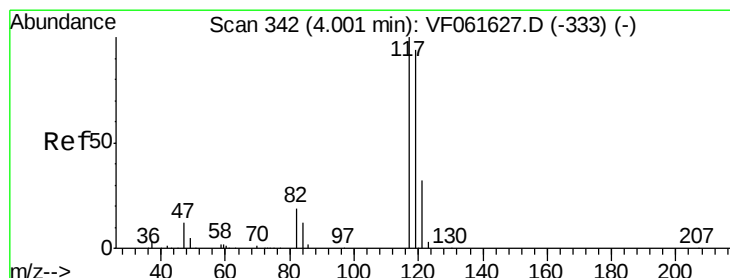
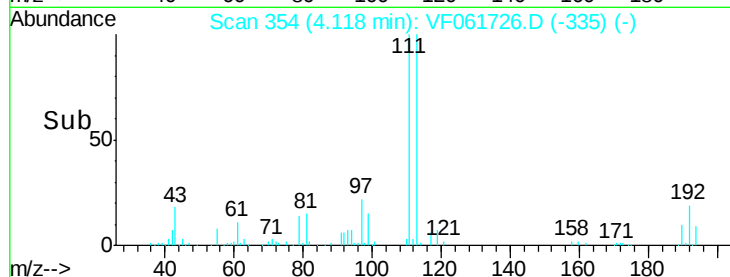
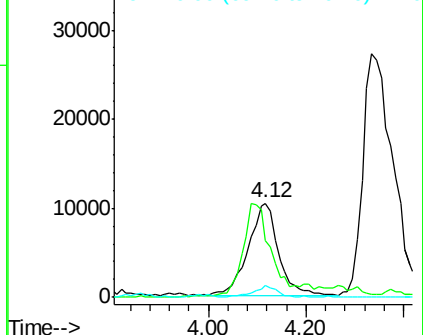
70 13.3 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 24.054 ug/l

RT: 3.99 min Scan# 341

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

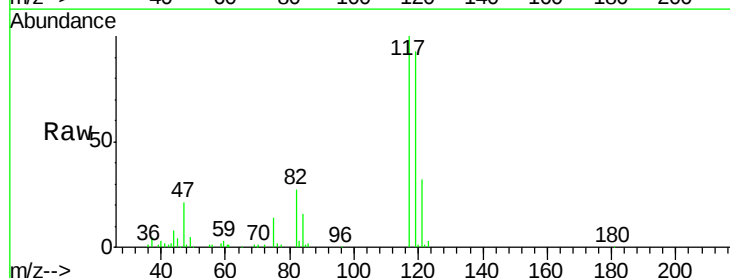
Tgt Ion: 117 Resp: 81296

Ion Ratio Lower Upper

117 100

119 93.3 75.6 113.4

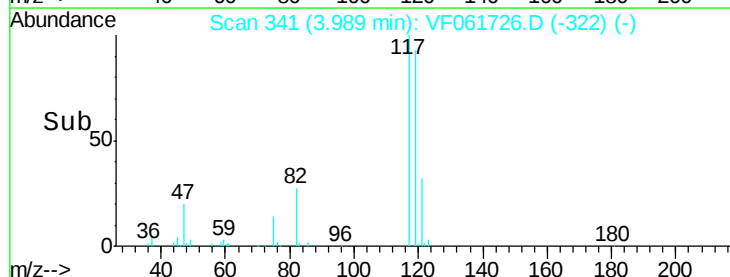
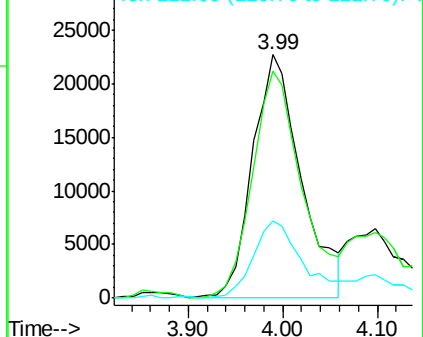
121 32.2 25.2 37.8

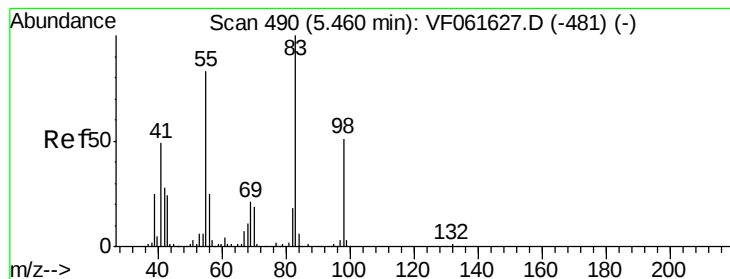


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#39

Methvlcvclohexane

Concen: 20.825 ug/l

RT: 5.45 min Scan# 489

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

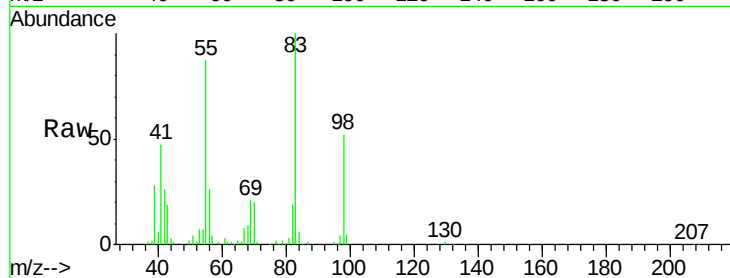
Tot Ion: 83 Resp: 120545

Ion Ratio Lower Upper

83 100

55 86.7 66.6 99.8

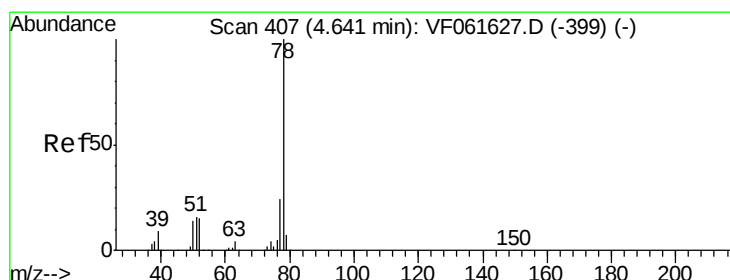
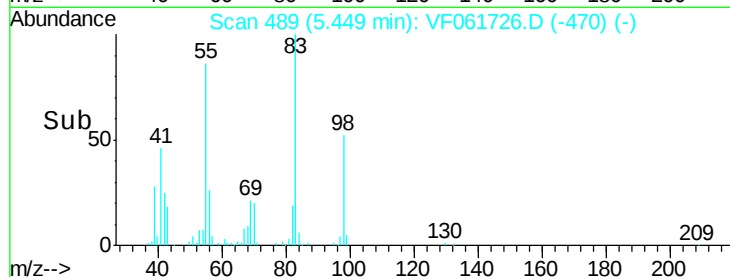
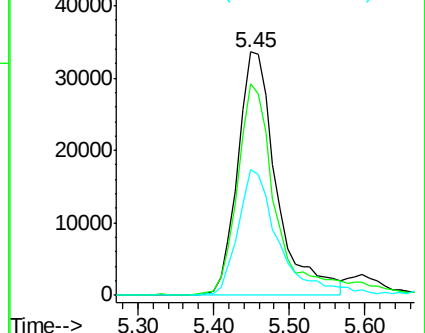
98 51.6 40.4 60.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 20.891 ug/l

RT: 4.63 min Scan# 406

Delta R.T. -0.01 min

Lab File: VF061726.D

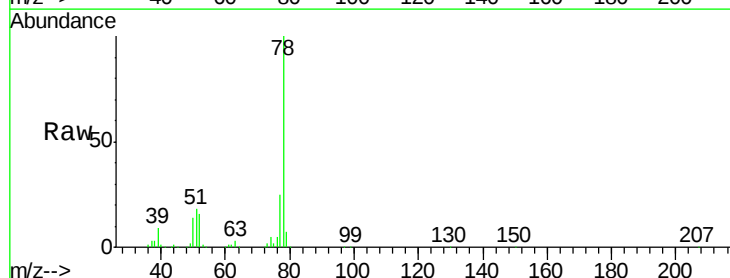
Acq: 25 Feb 2019 13:14

Tgt Ion: 78 Resp: 267455

Ion Ratio Lower Upper

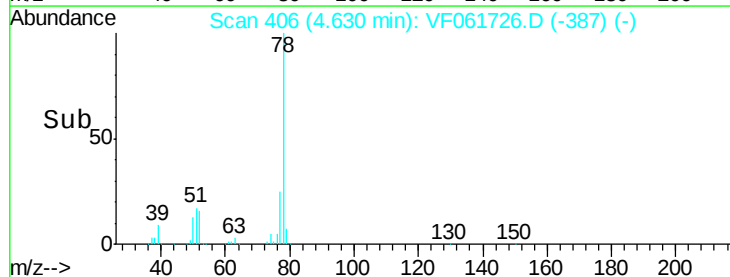
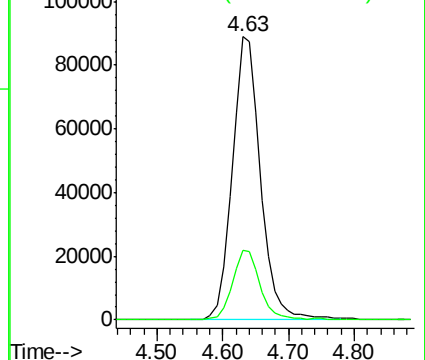
78 100

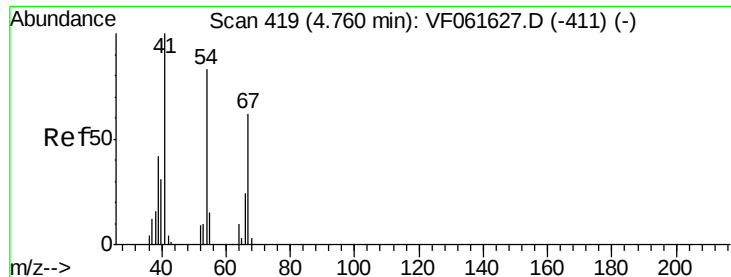
77 24.6 19.0 28.6



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

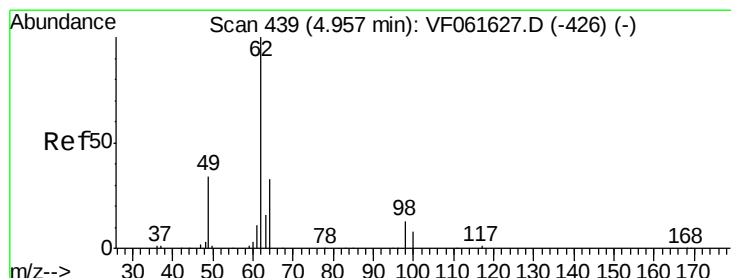
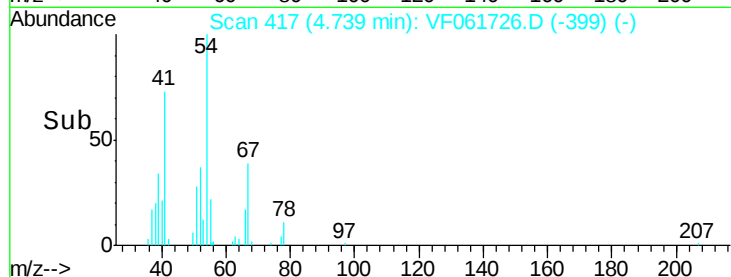
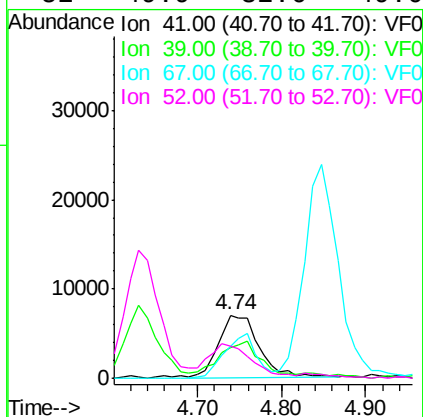
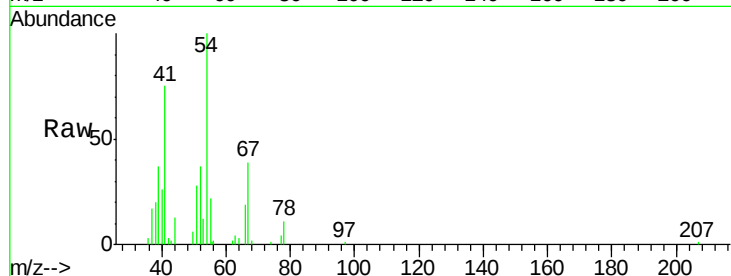




#41
Methacrylonitrile
Concen: 19.798 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.02 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

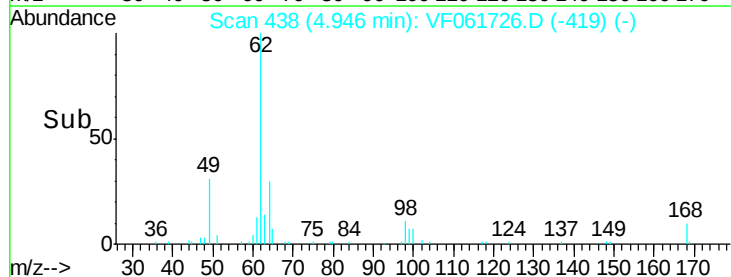
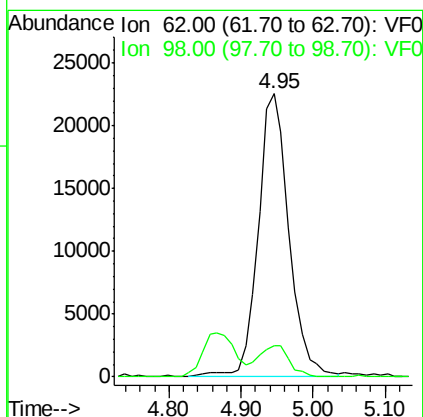
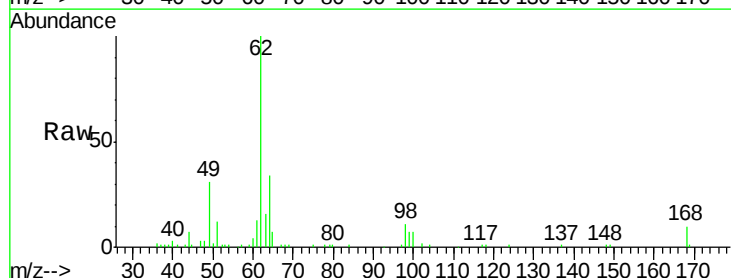
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBSD01

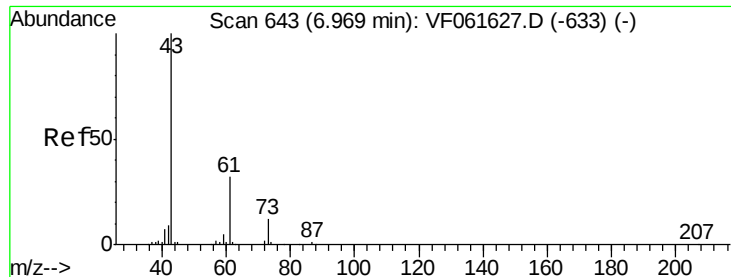
Tot Ion:	41	Resp:	23017
Ion	Ratio	Lower	Upper
41	100		
39	49.6	45.3	67.9
67	51.5	49.3	73.9
52	49.9	32.6	49.0#



#42
1,2-Dichloroethane
Concen: 21.912 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.01 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

Tgt Ion:	62	Resp:	67103
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	26.0



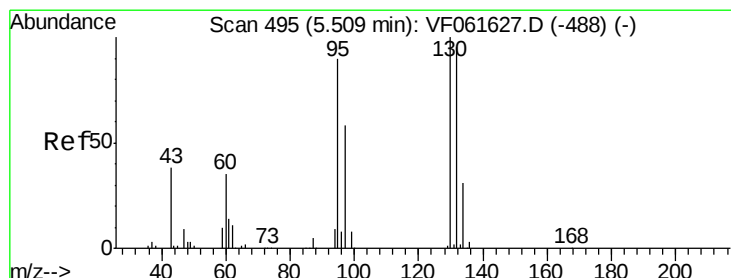
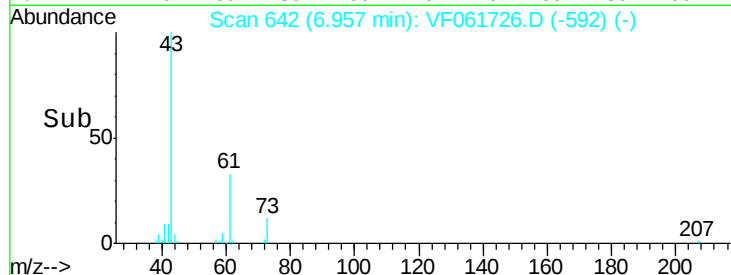
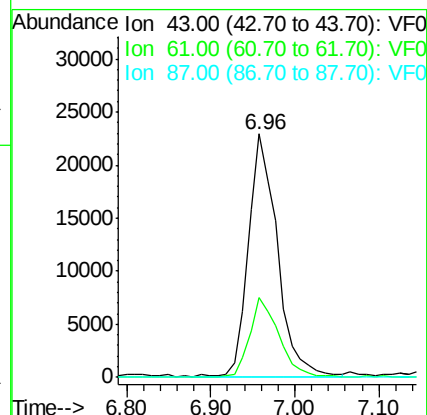
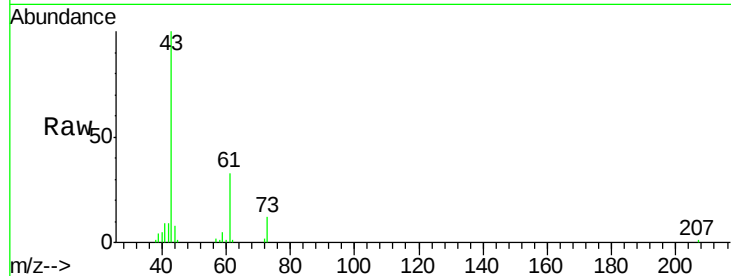


#43

Isopropyl Acetate
 Concen: 20.721 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

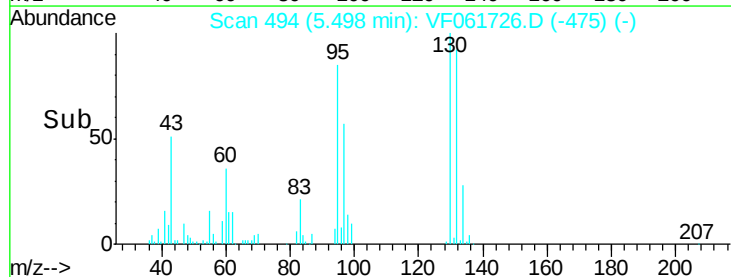
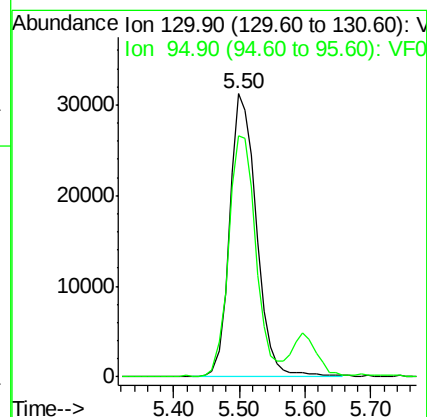
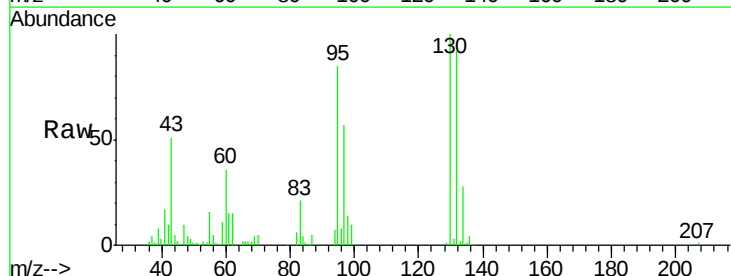
Tot Ion: 43 Resp: 55759
 Ion Ratio Lower Upper
 43 100
 61 32.7 25.8 38.6
 87 0.0 0.4 0.6#

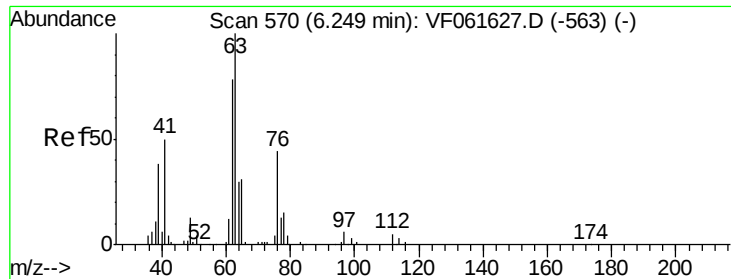


#44

Trichloroethene
 Concen: 21.603 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

Tgt Ion: 130 Resp: 89435
 Ion Ratio Lower Upper
 130 100
 95 85.1 0.0 179.4





#45

1,2-Dichloropropane

Concen: 21.021 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

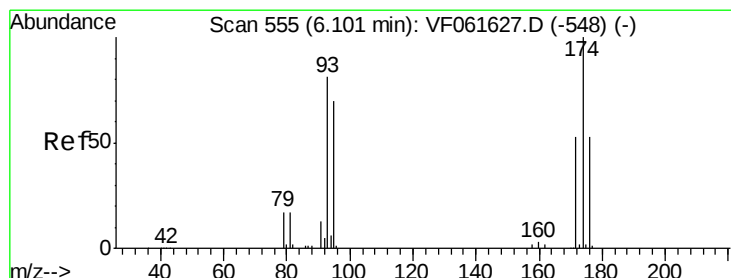
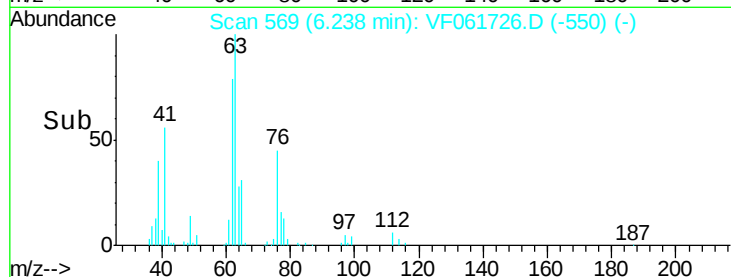
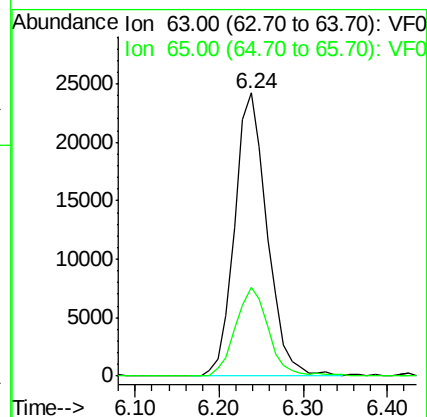
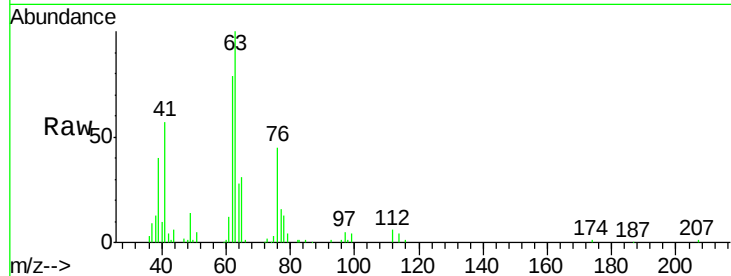
VF0225SBSD01

Tot Ion: 63 Resp: 65051

Ion Ratio Lower Upper

63 100

65 31.2 24.9 37.3



#46

Dibromomethane

Concen: 21.326 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

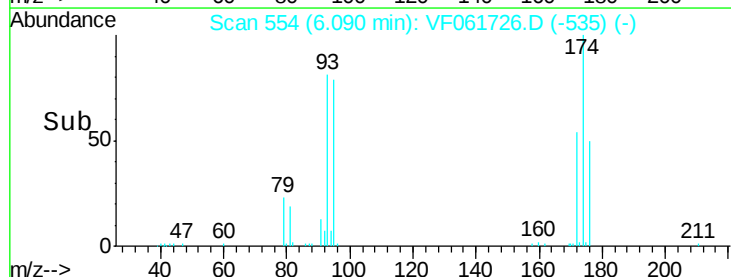
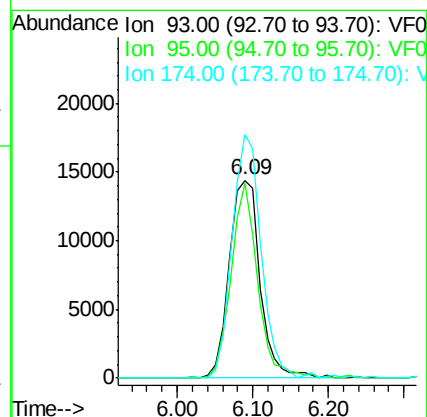
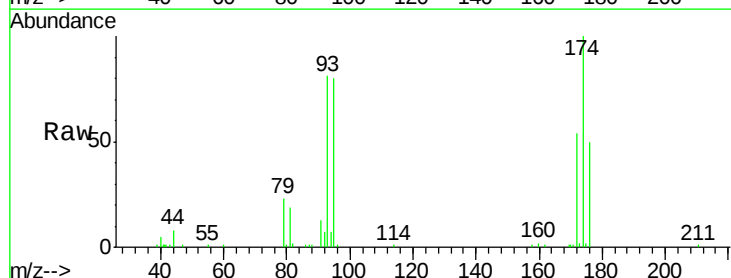
Tgt Ion: 93 Resp: 40633

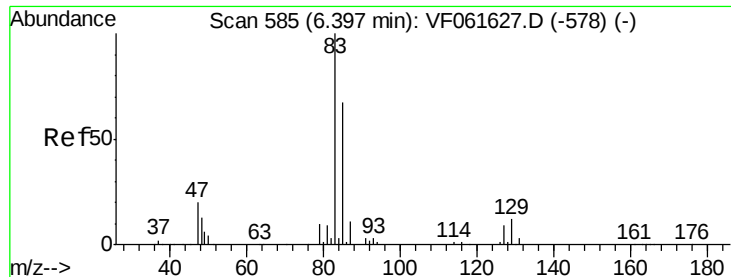
Ion Ratio Lower Upper

93 100

95 98.4 69.0 103.6

174 123.0 99.3 148.9





#47

Bromodichloromethane

Concen: 22.598 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

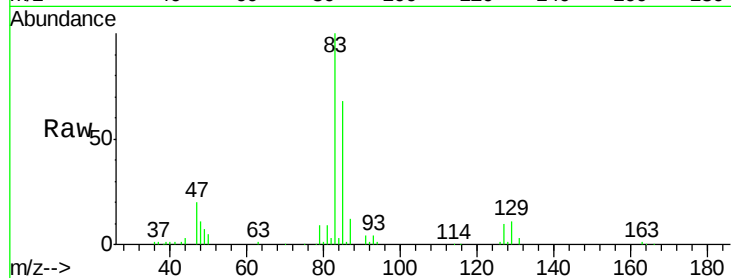
Tot Ion: 83 Resp: 94289

Ion Ratio Lower Upper

83 100

85 68.3 53.4 80.2

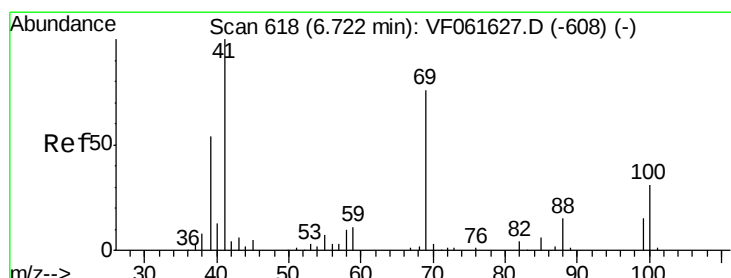
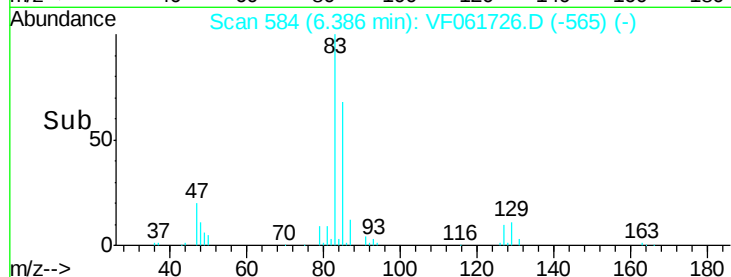
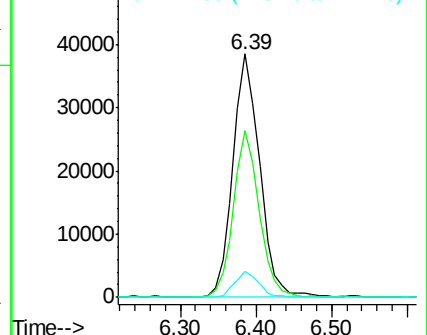
127 10.4 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 20.048 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

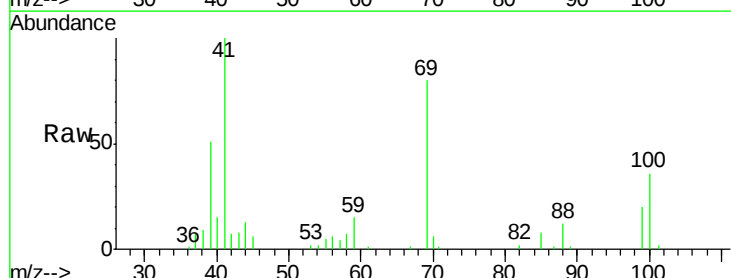
Tgt Ion: 41 Resp: 32465

Ion Ratio Lower Upper

41 100

69 80.4 60.4 90.6

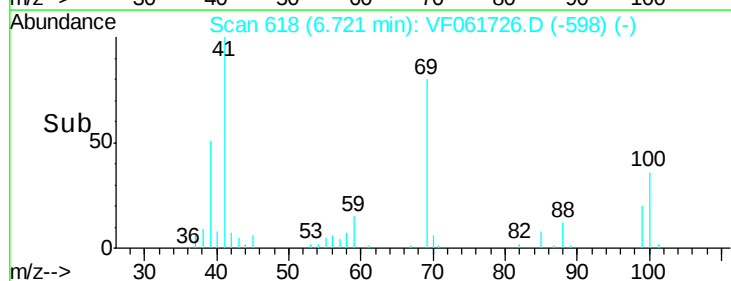
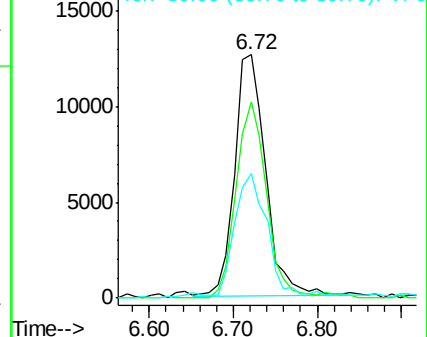
39 50.9 43.7 65.5

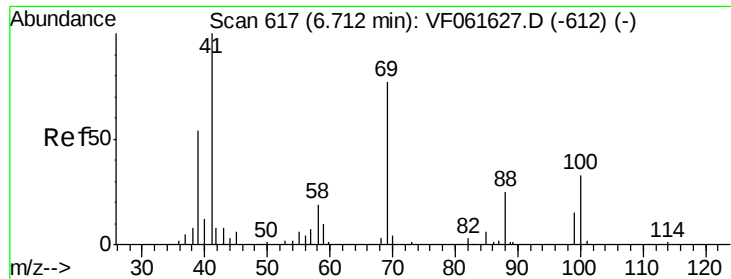


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

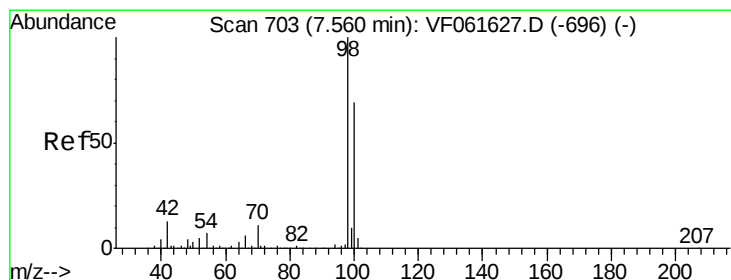
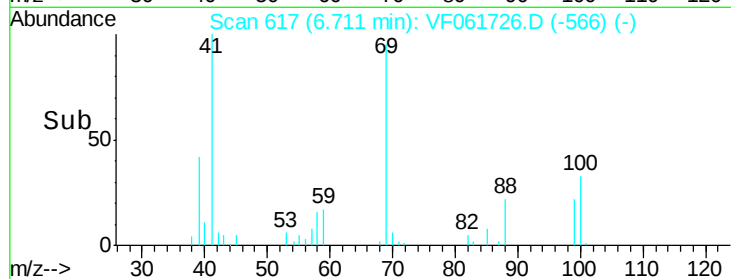
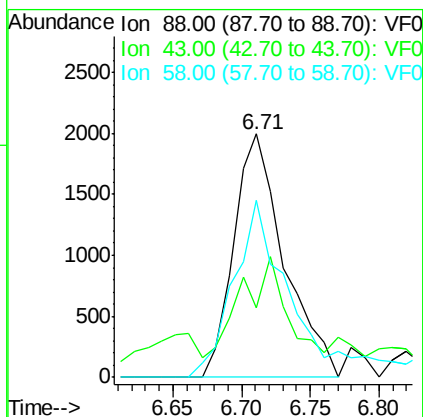
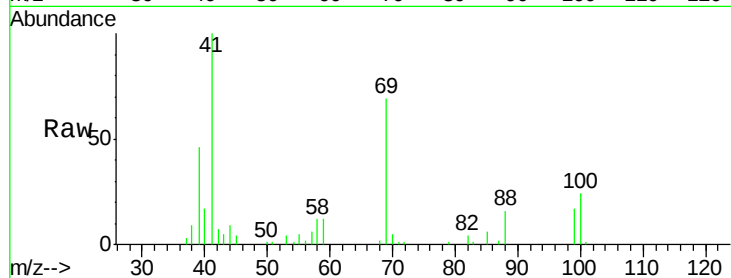




#49
1,4-Dioxane
Concen: 333.833 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.00 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

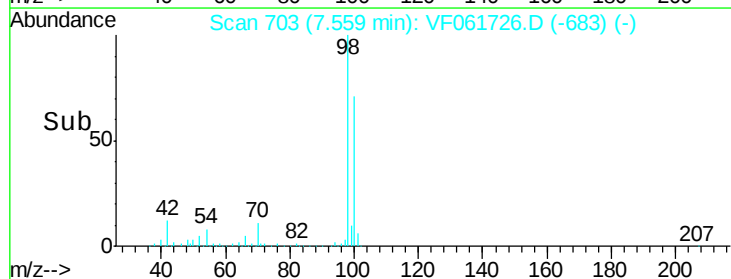
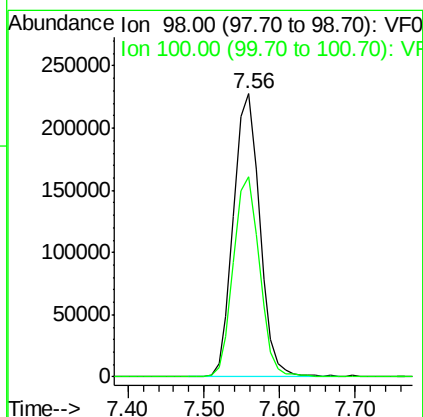
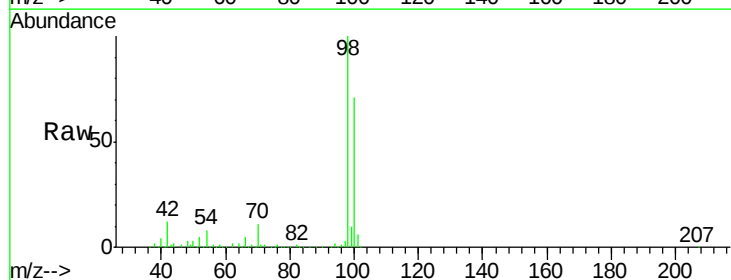
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBSD01

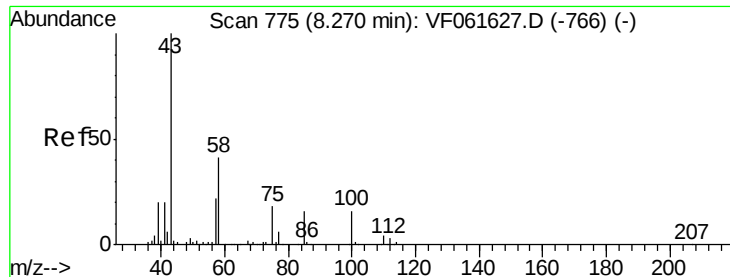
Tot Ion: 88 Resp: 5082
Ion Ratio Lower Upper
88 100
43 28.5 32.3 48.5#
58 72.7 59.4 89.2



#50
Toluene-d8
Concen: 52.201 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

Tgt Ion: 98 Resp: 550598
Ion Ratio Lower Upper
98 100
100 71.0 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 97.362 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

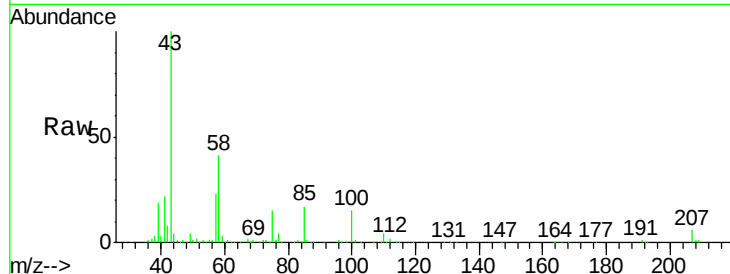
VF0225SBSD01

Tot Ion: 43 Resp: 187207

Ion Ratio Lower Upper

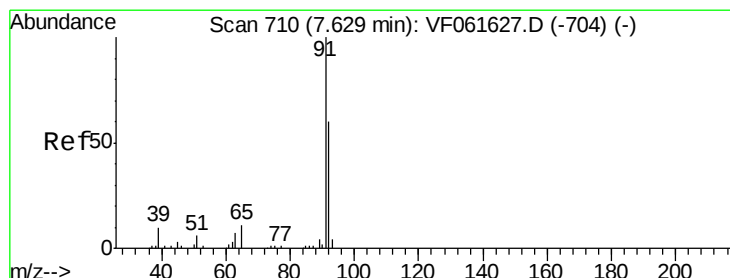
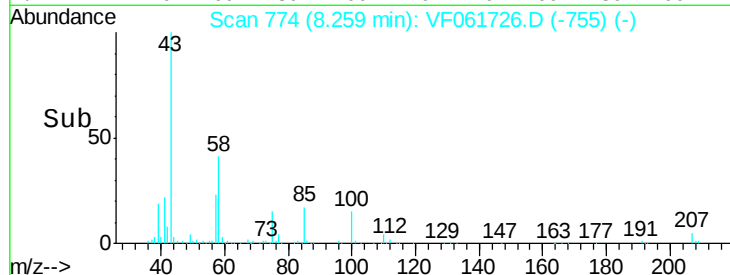
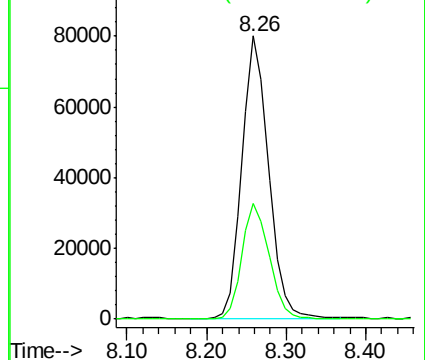
43 100

58 40.7 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.664 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061726.D

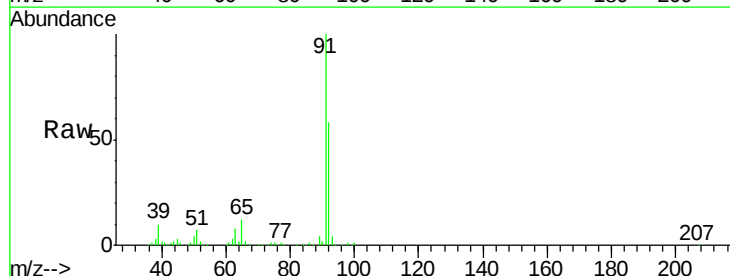
Acq: 25 Feb 2019 13:14

Tgt Ion: 92 Resp: 160446

Ion Ratio Lower Upper

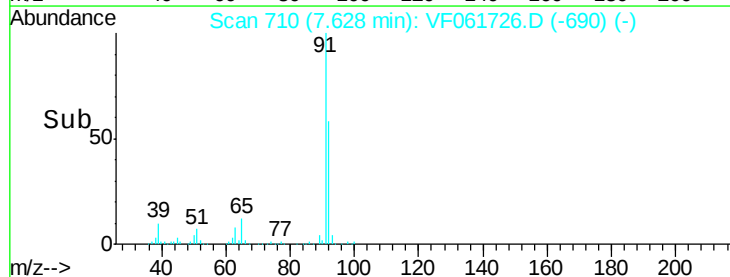
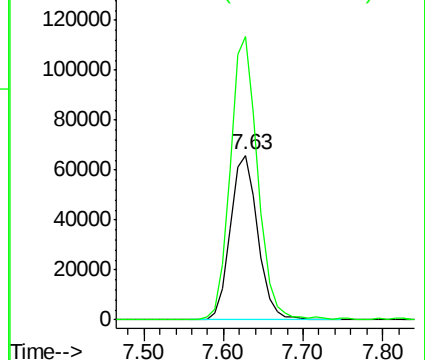
92 100

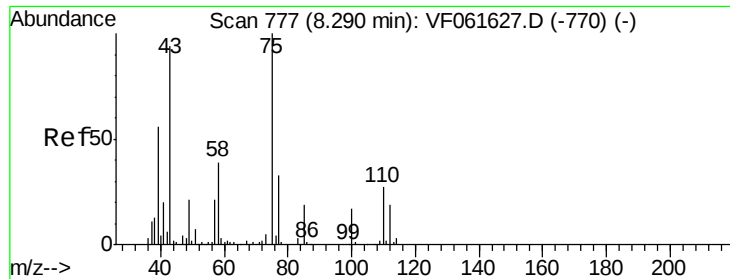
91 171.8 133.9 200.9



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: 22.800 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

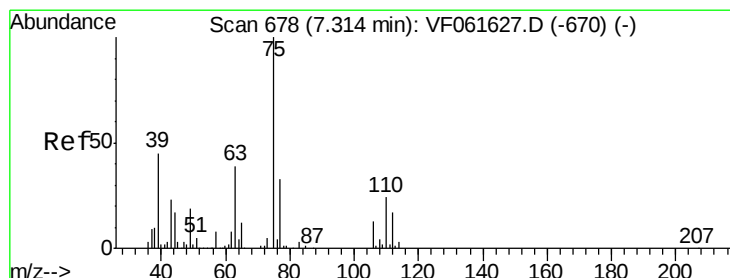
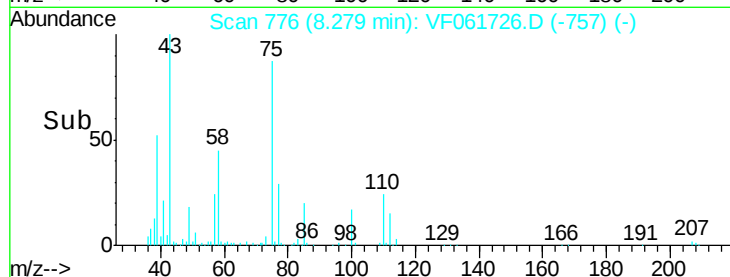
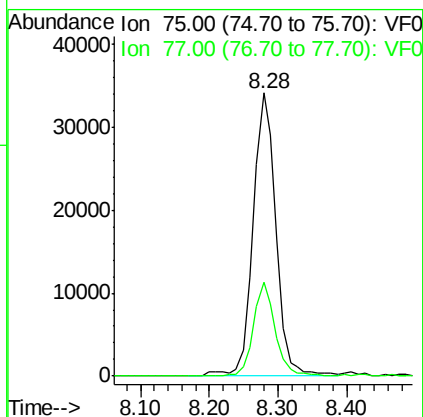
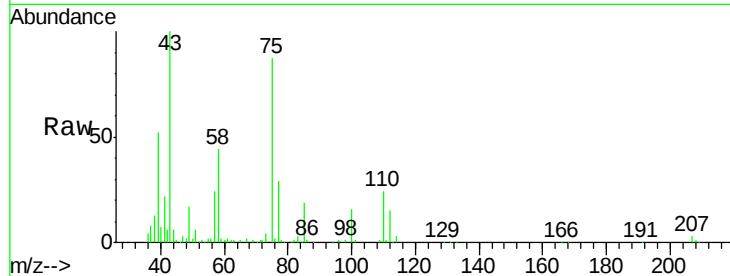
VF0225SBSD01

Tot Ion: 75 Resp: 79174

Ion Ratio Lower Upper

75 100

77 33.2 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 23.741 ug/l

RT: 7.30 min Scan# 677

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

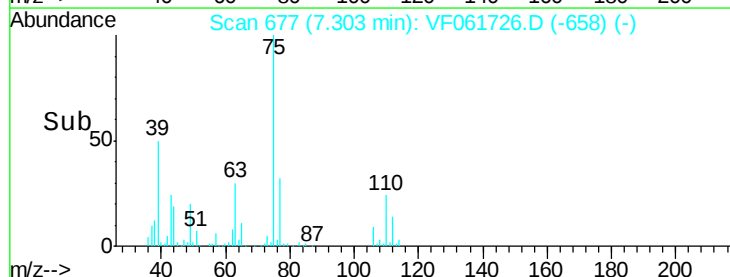
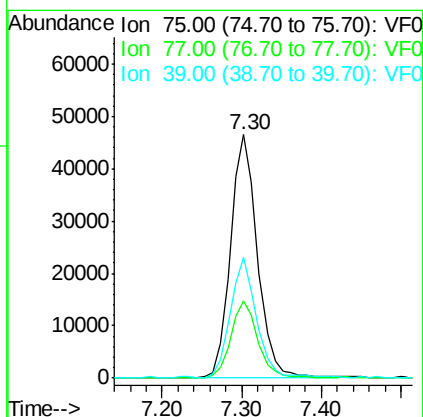
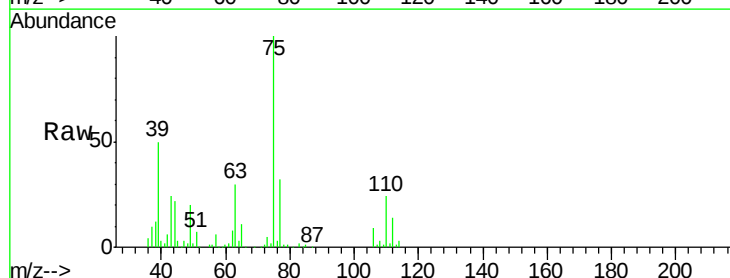
Tgt Ion: 75 Resp: 109813

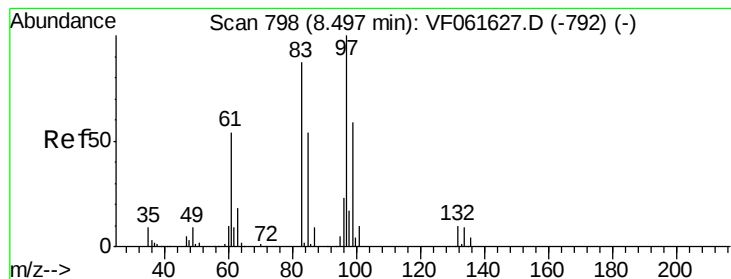
Ion Ratio Lower Upper

75 100

77 31.9 26.4 39.6

39 49.5 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 19.909 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

Tot Ion: 97 Resp: 45417

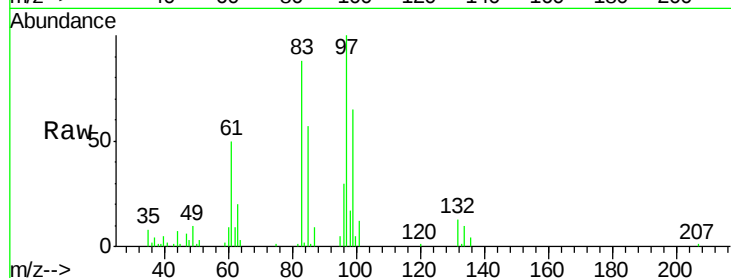
Ion Ratio Lower Upper

97 100

83 88.4 69.2 103.8

85 57.5 43.0 64.4

99 64.7 47.2 70.8

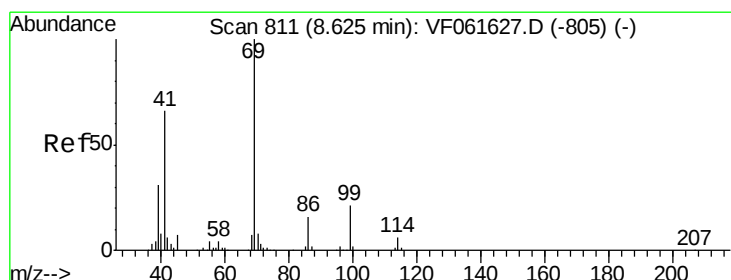
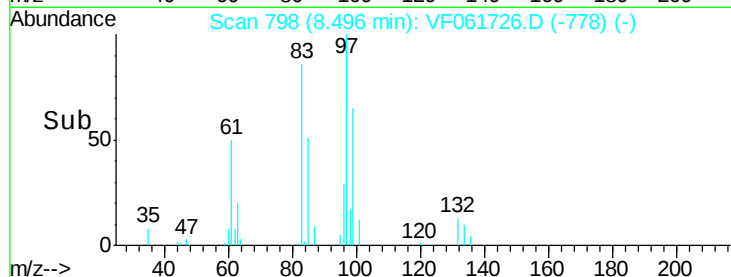
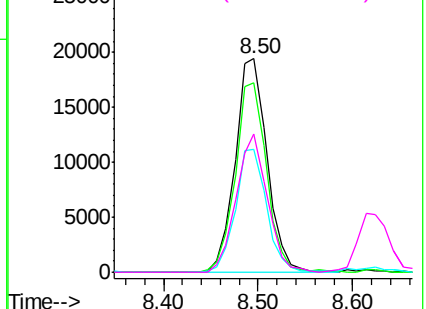


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.726 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

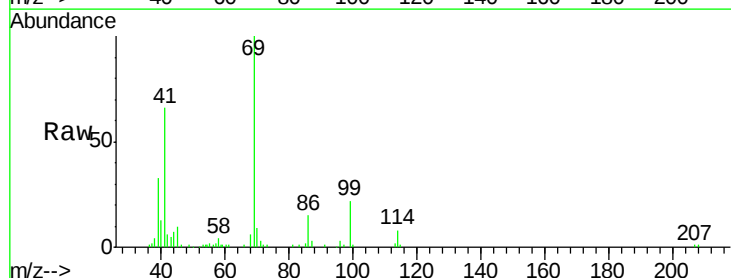
Tgt Ion: 69 Resp: 52641

Ion Ratio Lower Upper

69 100

41 66.4 52.9 79.3

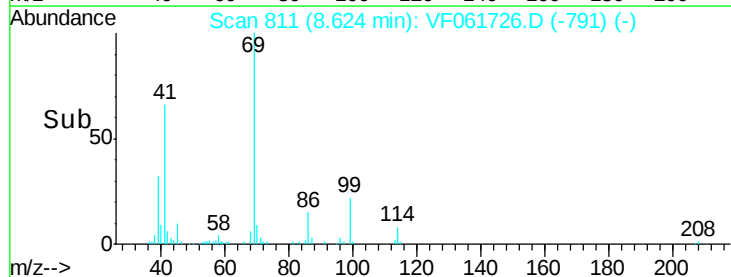
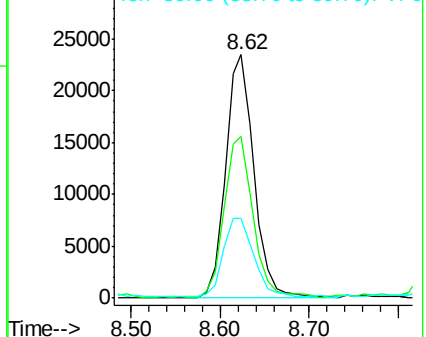
39 32.7 24.5 36.7

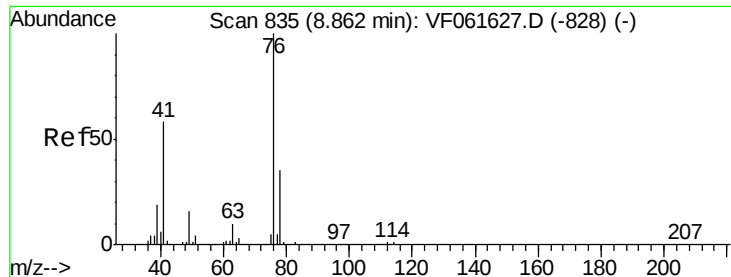


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.278 ug/l

RT: 8.86 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

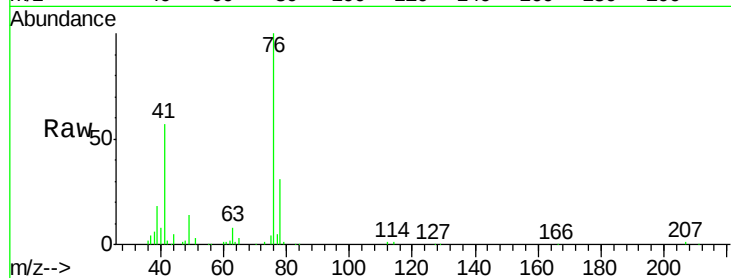
VF0225SBSD01

Tot Ion: 76 Resp: 77215

Ion Ratio Lower Upper

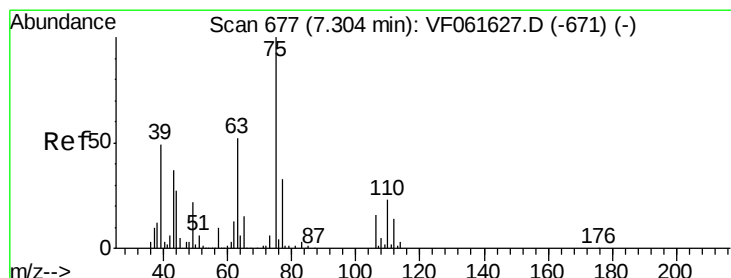
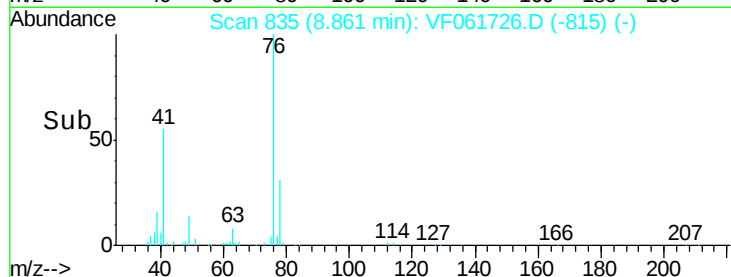
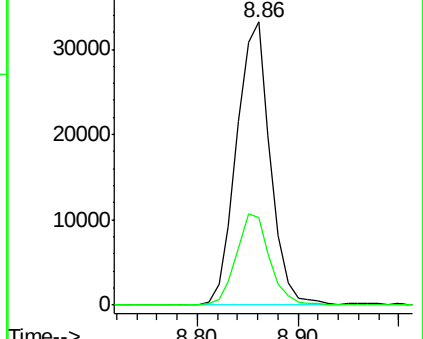
76 100

78 30.7 27.8 41.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 88.784 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061726.D

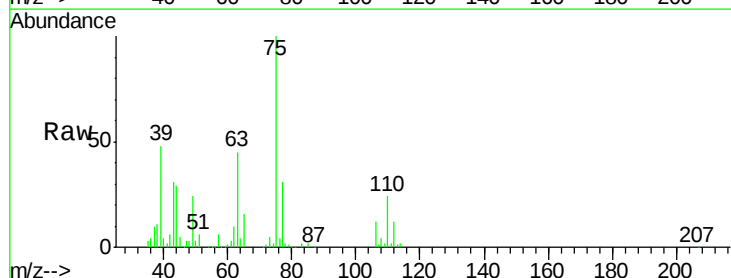
Acq: 25 Feb 2019 13:14

Tgt Ion: 63 Resp: 38907

Ion Ratio Lower Upper

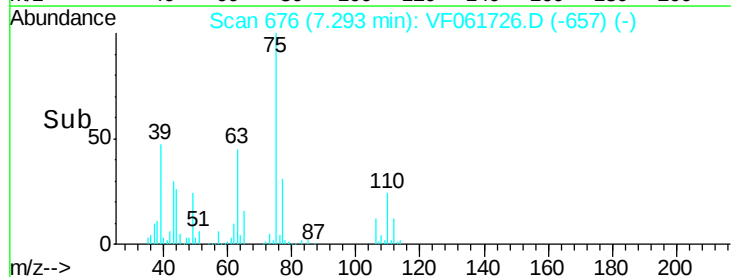
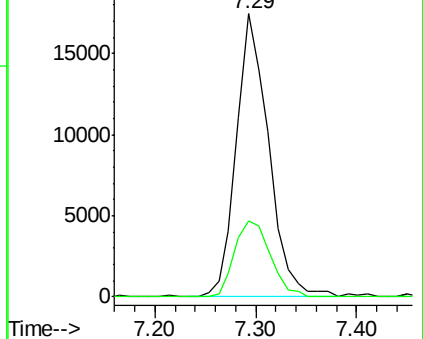
63 100

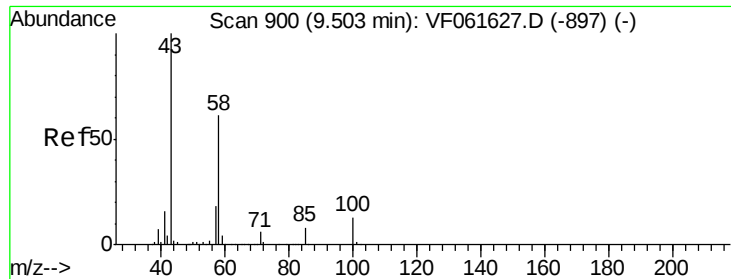
106 26.8 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

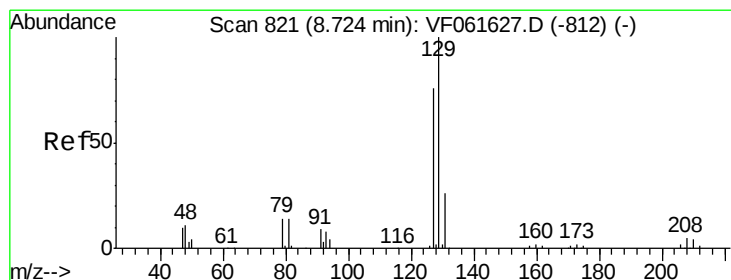
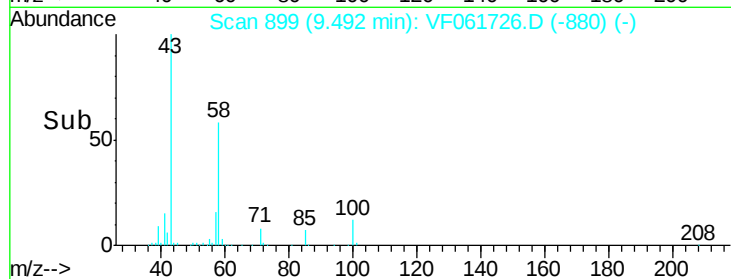
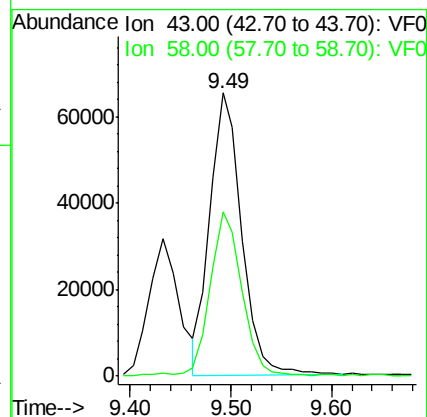
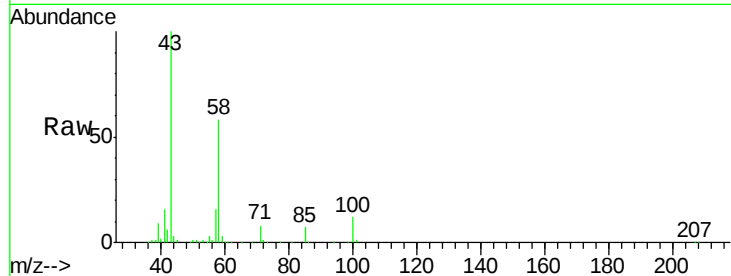




#59
2-Hexanone
Concen: 105.923 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

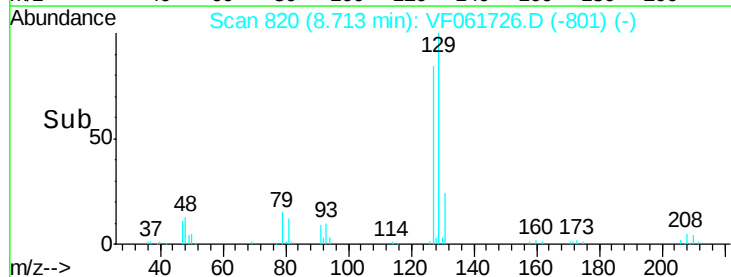
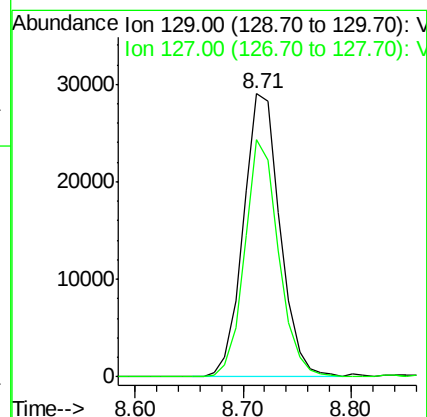
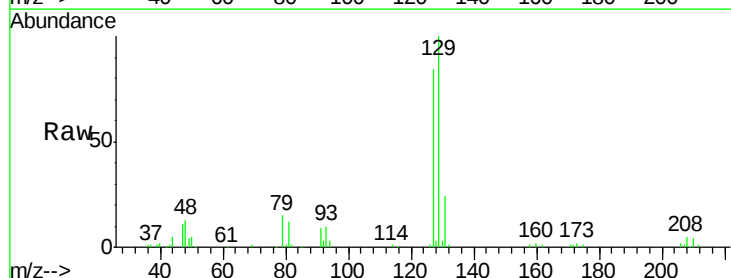
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBSD01

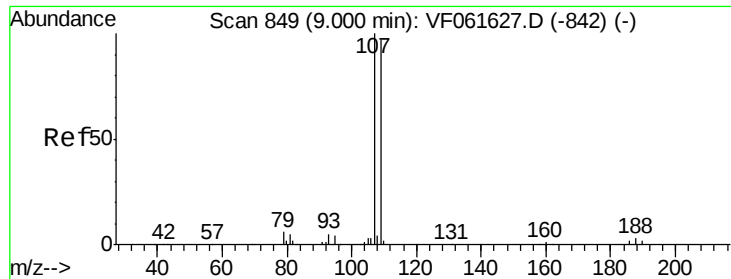
Tot Ion: 43 Resp: 142765
Ion Ratio Lower Upper
43 100
58 58.1 28.5 85.5



#60
Dibromochloromethane
Concen: 21.499 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.01 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

Tgt Ion: 129 Resp: 68264
Ion Ratio Lower Upper
129 100
127 84.0 37.8 113.4

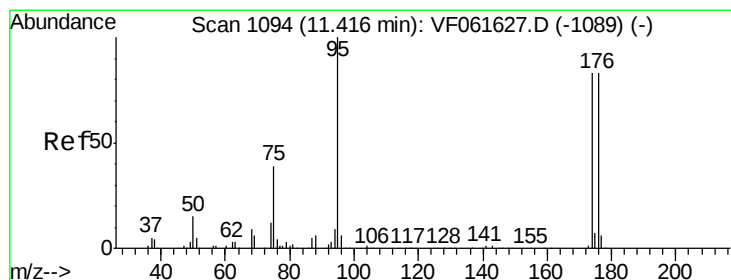
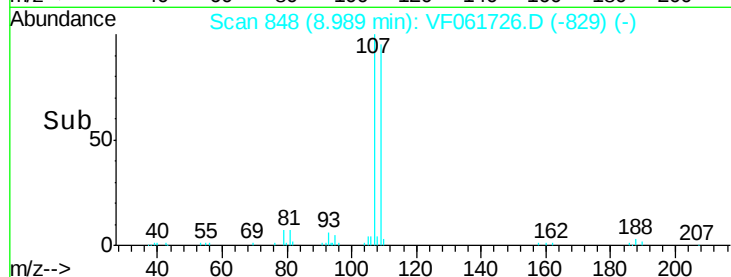
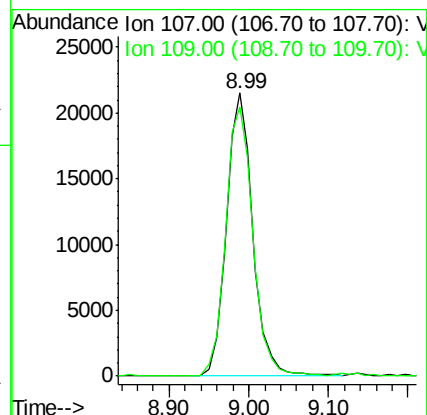
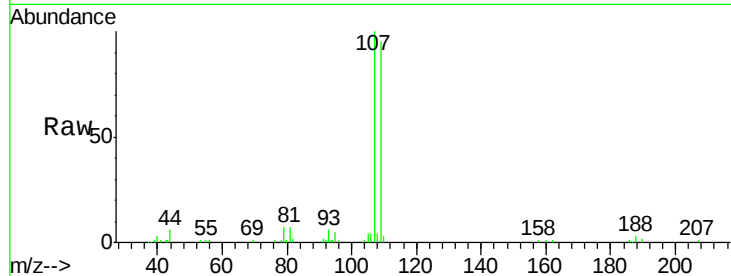




#61
 1,2-Dibromoethane
 Concen: 20.246 ug/l
 RT: 8.99 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

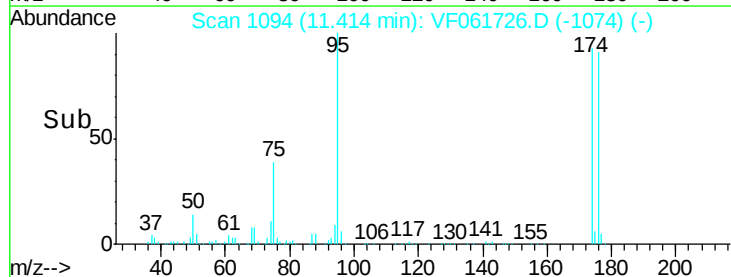
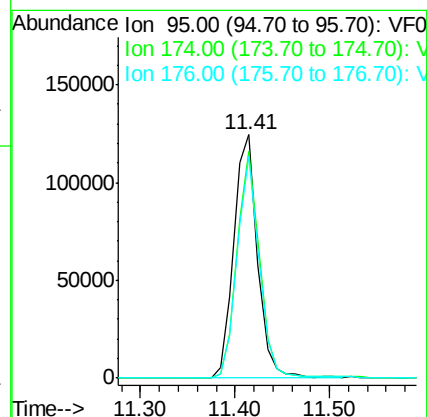
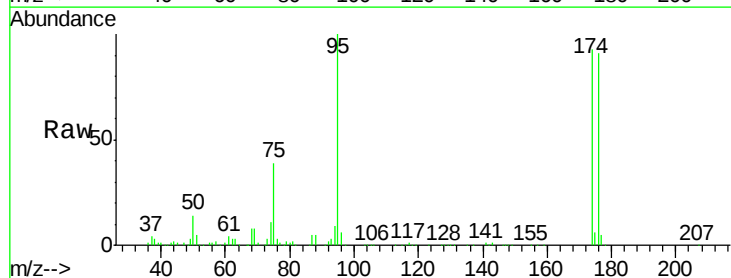
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBSD01

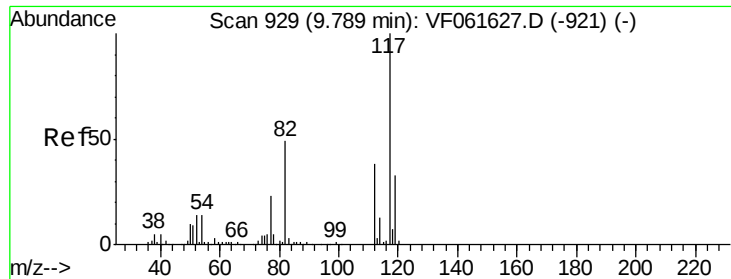
Tot Ion:107 Resp: 50096
 Ion Ratio Lower Upper
 107 100
 109 95.2 77.4 116.0



#62
 4-Bromofluorobenzene
 Concen: 50.671 ug/l
 RT: 11.41 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

Tgt Ion: 95 Resp: 216250
 Ion Ratio Lower Upper
 95 100
 174 93.4 0.0 165.8
 176 91.0 0.0 167.0

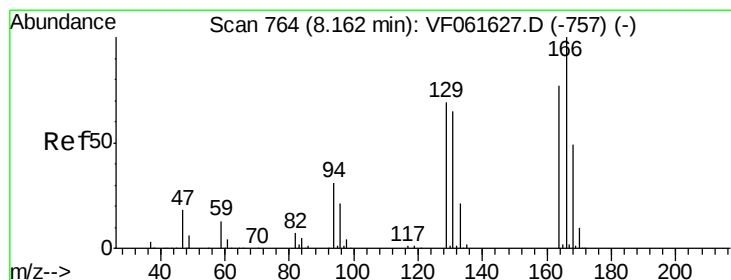
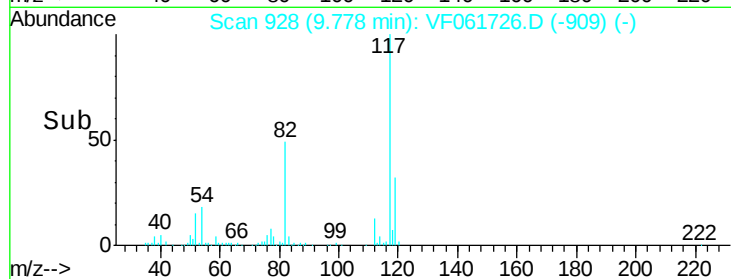
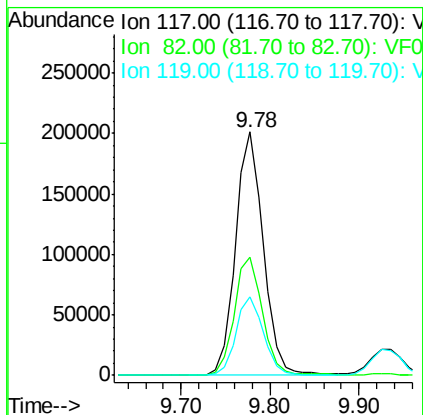
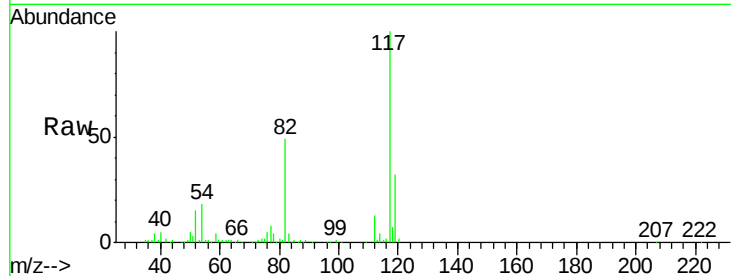




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

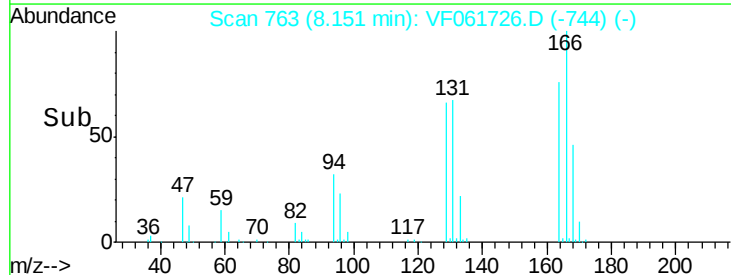
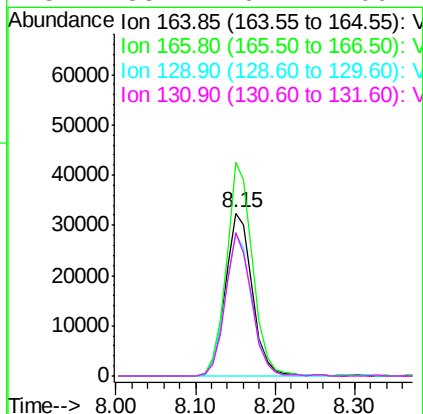
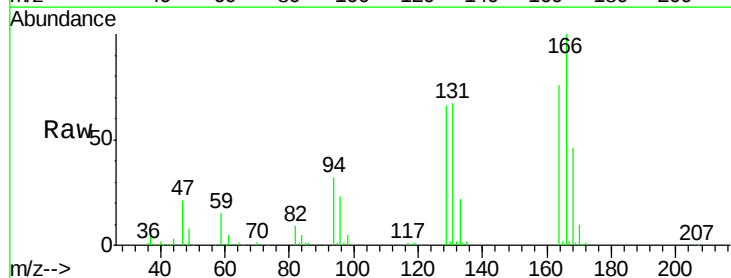
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBSD01

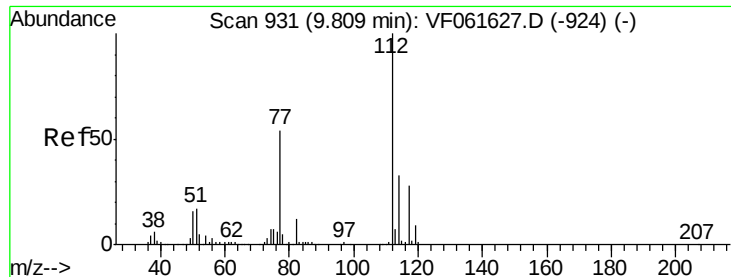
Tot Ion:117 Resp: 436938
Ion Ratio Lower Upper
117 100
82 48.7 39.3 58.9
119 32.3 26.6 40.0



#64
Tetrachloroethene
Concen: 21.447 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

Tgt Ion:164 Resp: 76597
Ion Ratio Lower Upper
164 100
166 131.3 103.9 155.9
129 87.1 71.3 106.9
131 88.1 67.1 100.7

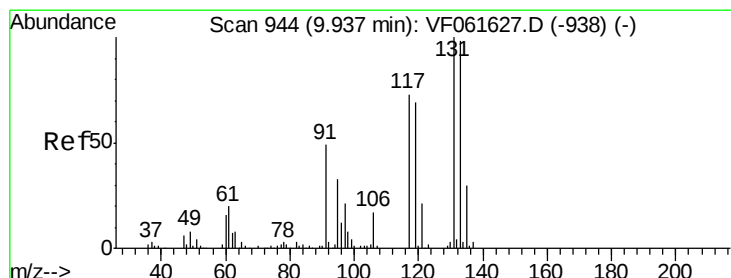
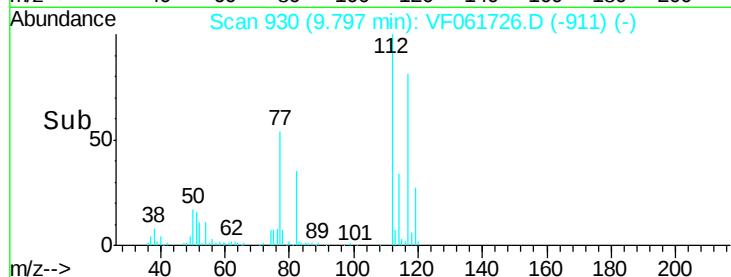
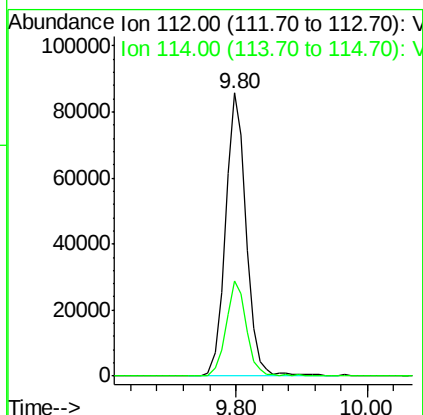
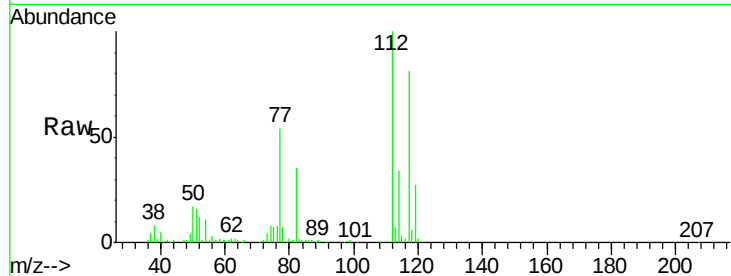




#65
Chlorobenzene
Concen: 21.238 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

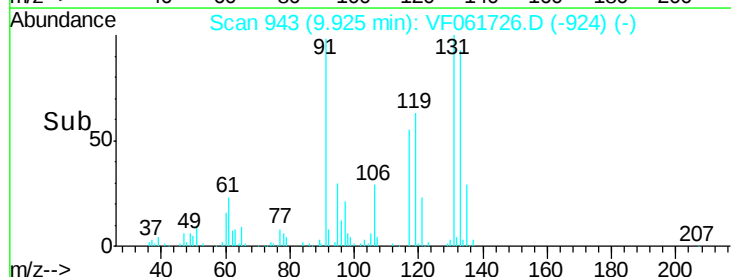
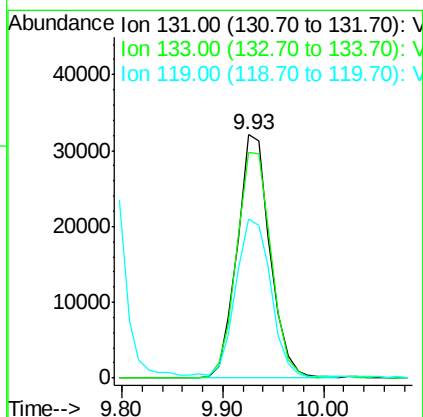
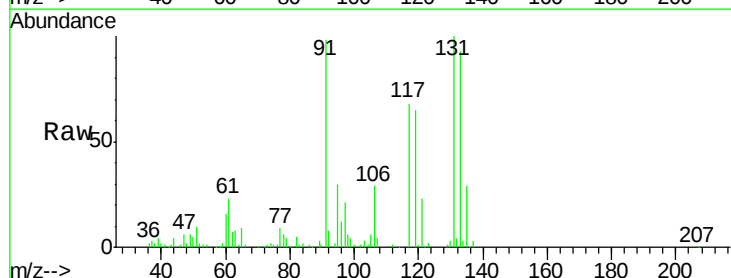
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBSD01

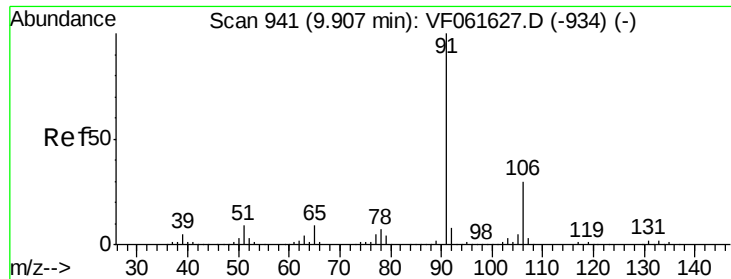
Tot Ion:112 Resp: 188309
Ion Ratio Lower Upper
112 100
114 33.7 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.990 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

Tgt Ion:131 Resp: 72926
Ion Ratio Lower Upper
131 100
133 92.7 48.9 146.6
119 65.5 34.8 104.3





#67

Ethyl Benzene

Concen: 21.334 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

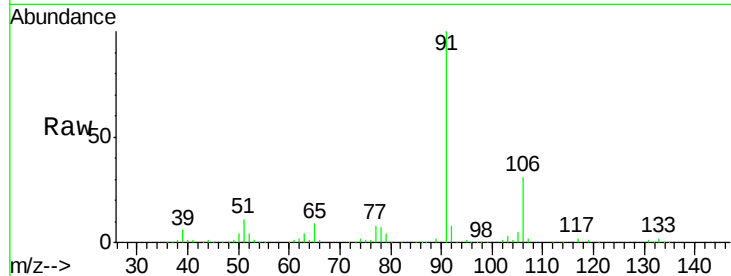
VF0225SBSD01

Tot Ion: 91 Resp: 314564

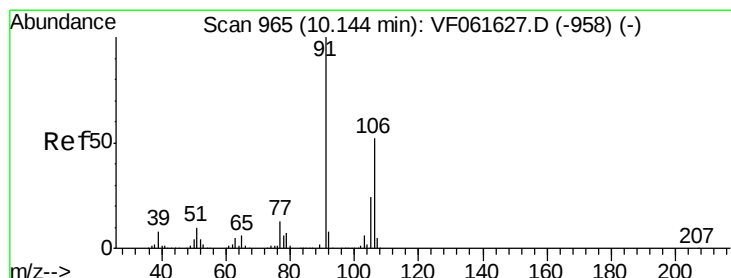
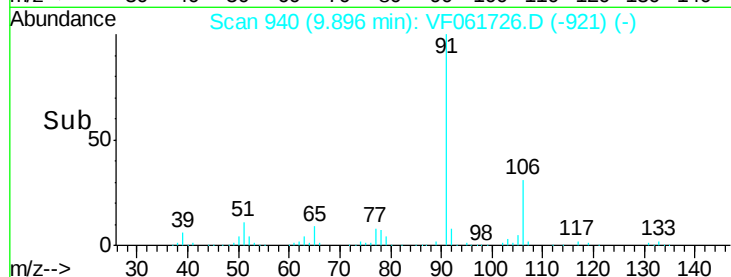
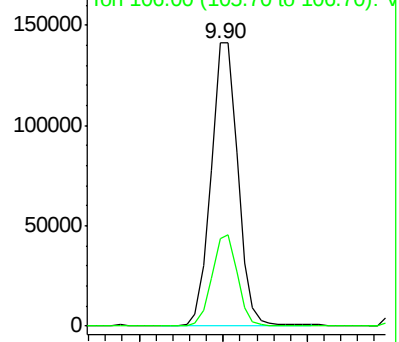
Ion Ratio Lower Upper

91 100

106 30.9 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0



#68

m/p-Xylenes

Concen: 44.507 ug/l

RT: 10.13 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF061726.D

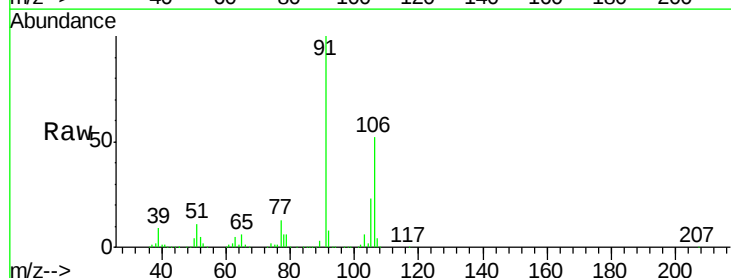
Acq: 25 Feb 2019 13:14

Tgt Ion: 106 Resp: 251158

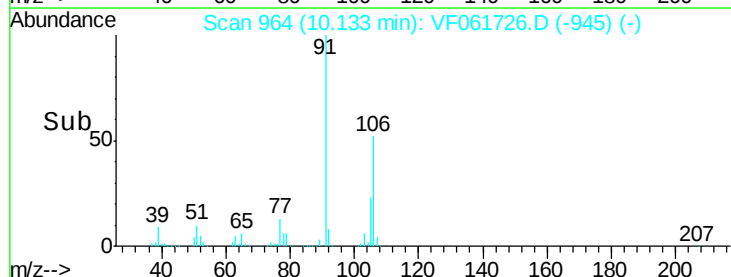
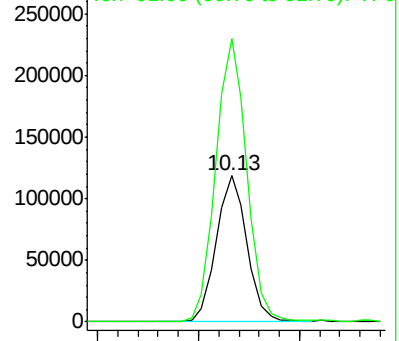
Ion Ratio Lower Upper

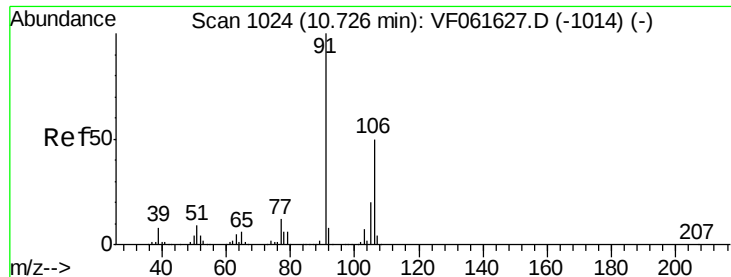
106 100

91 193.4 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): V

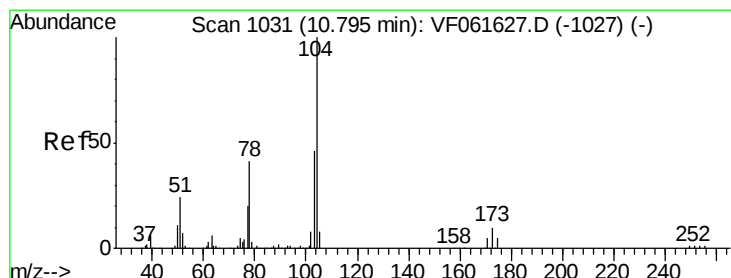
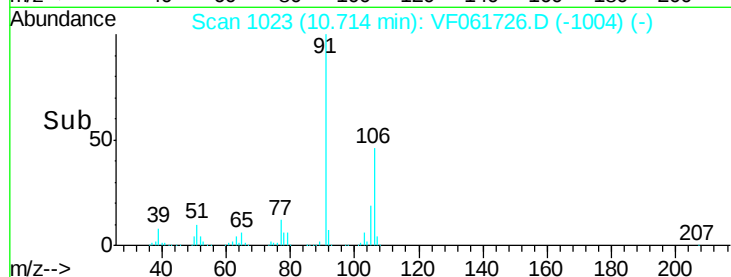
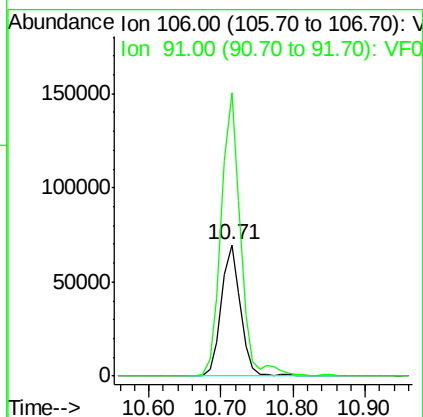
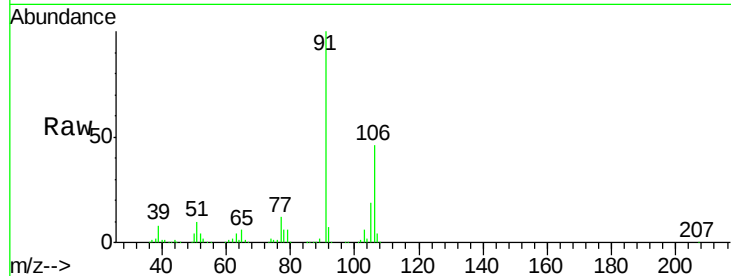




#69
o-Xylene
Concen: 21.270 ug/l
RT: 10.71 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

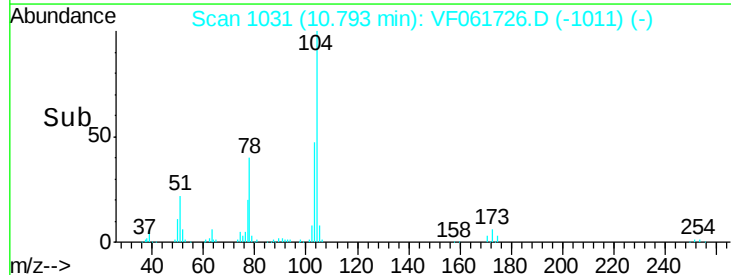
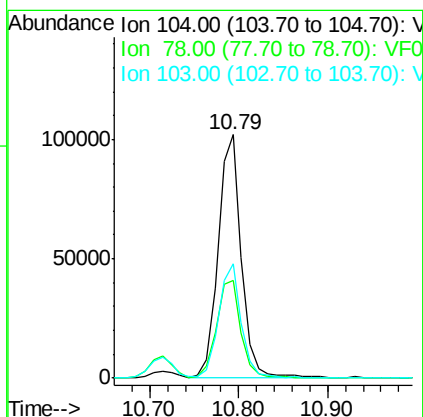
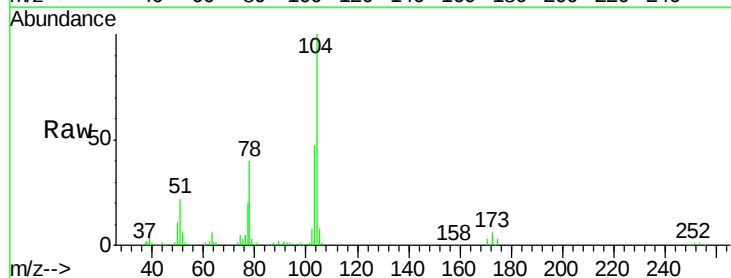
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBSD01

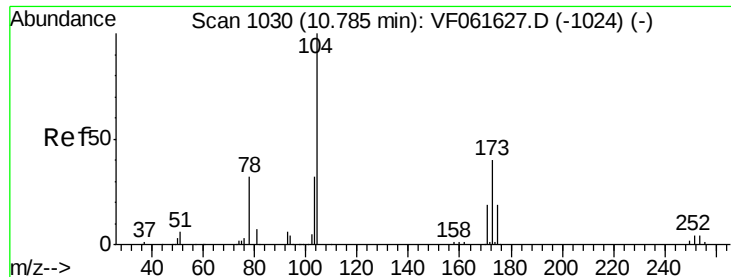
Tot Ion:106 Resp: 128075
Ion Ratio Lower Upper
106 100
91 215.4 100.1 300.1



#70
Styrene
Concen: 21.824 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

Tgt Ion:104 Resp: 185903
Ion Ratio Lower Upper
104 100
78 40.0 33.2 49.8
103 47.1 37.2 55.8





#71

Bromoform

Concen: 19.917 ug/l

RT: 10.77 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

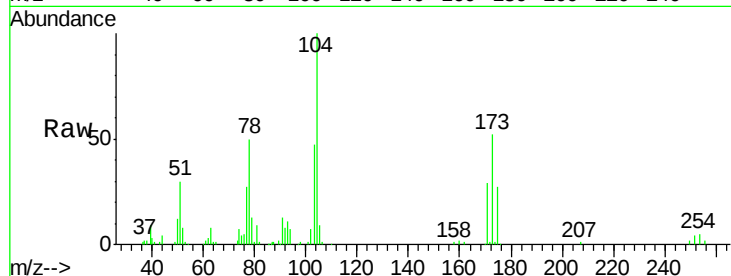
Tot Ion:173 Resp: 37575

Ion Ratio Lower Upper

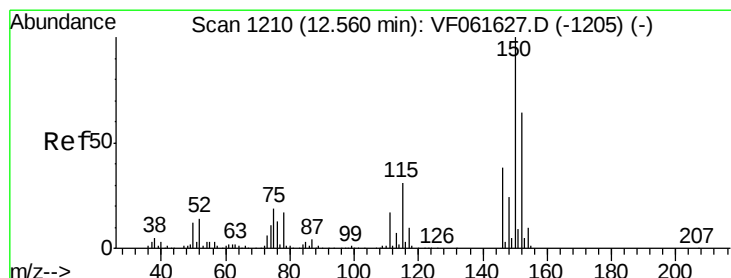
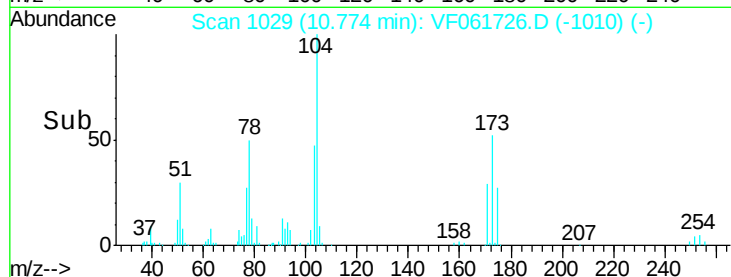
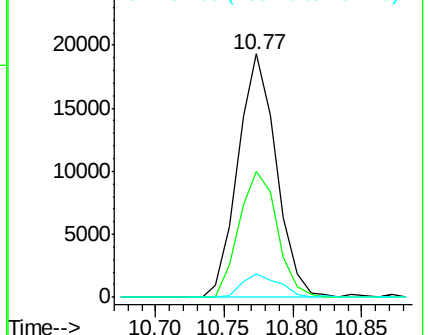
173 100

175 51.6 24.0 72.0

254 9.9 8.2 12.2



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

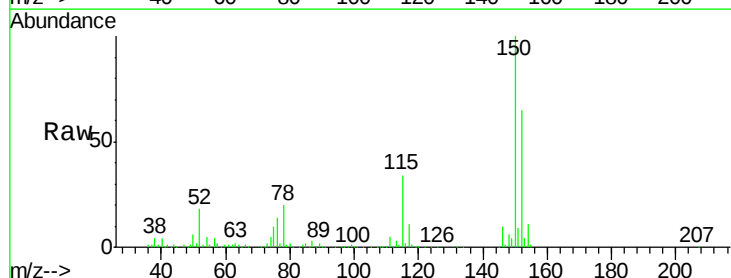
Tgt Ion:152 Resp: 242942

Ion Ratio Lower Upper

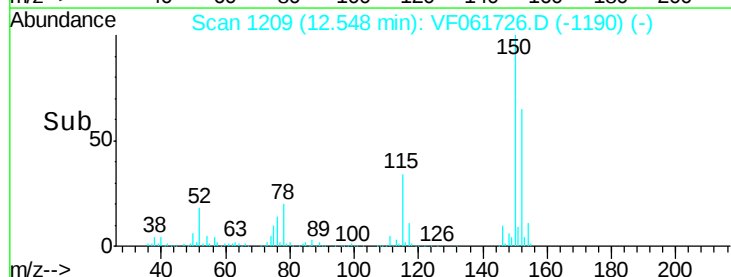
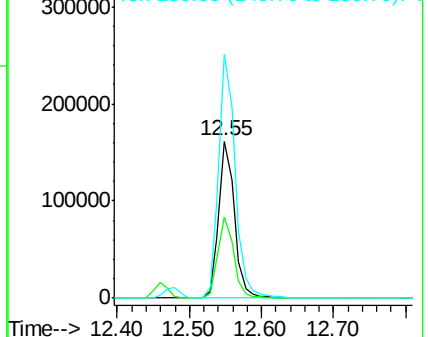
152 100

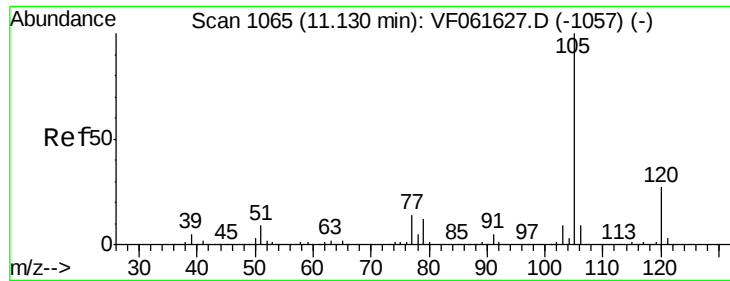
115 51.9 24.3 72.8

150 155.0 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.855 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

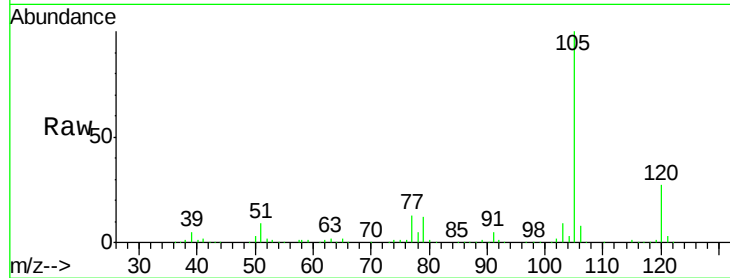
VF0225SBSD01

Tot Ion:105 Resp: 378029

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

0

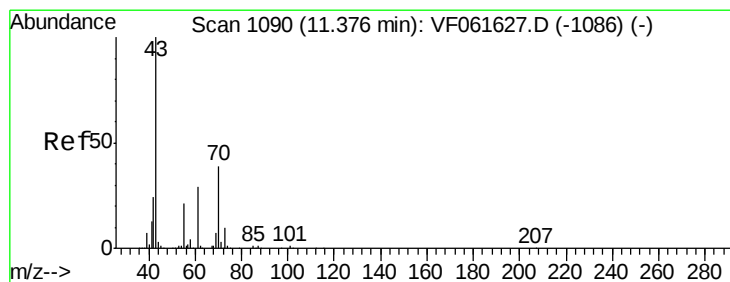
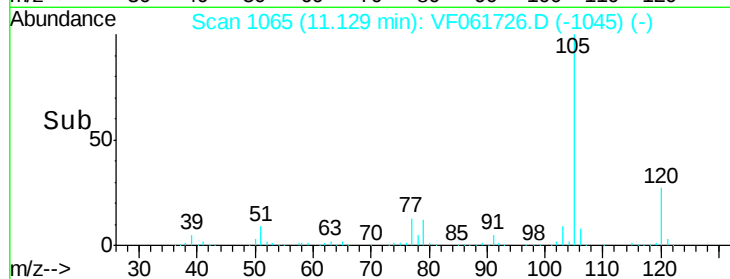
11.13

11.10

11.15

11.20

Time-->



#74

N-ethyl acetate

Concen: 21.610 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Tgt Ion: 43 Resp: 89717

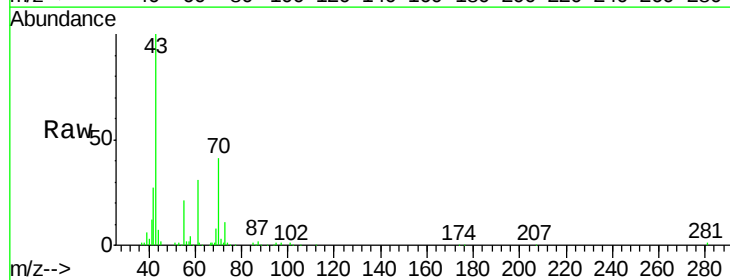
Ion Ratio Lower Upper

43 100

70 40.7 31.5 47.3

55 21.5 16.7 25.1

61 31.3 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

80000

60000

40000

20000

0

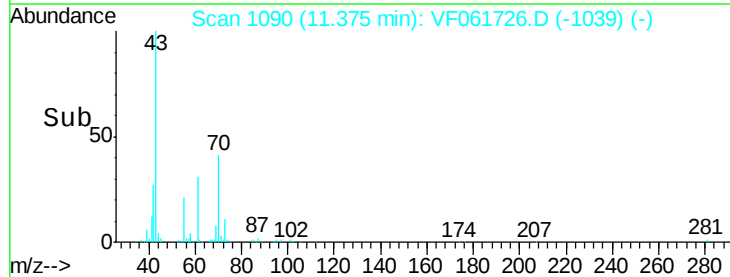
11.38

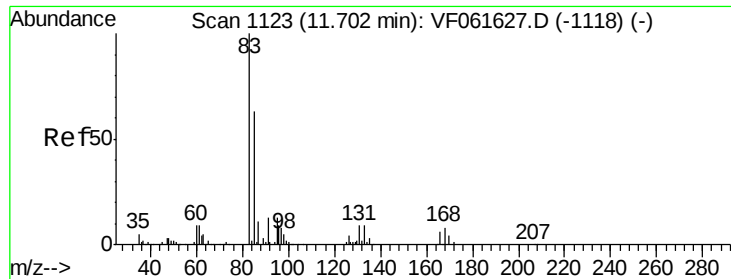
11.35

11.40

11.45

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.232 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

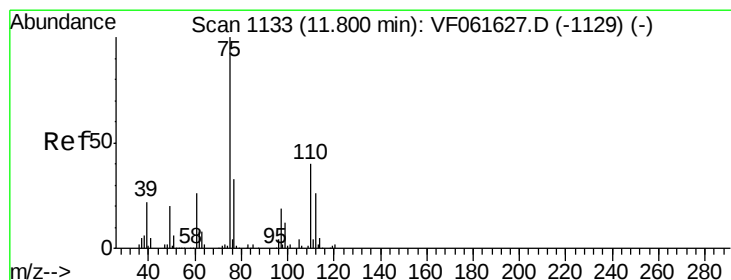
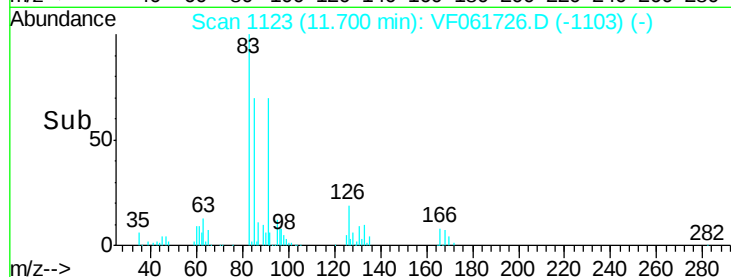
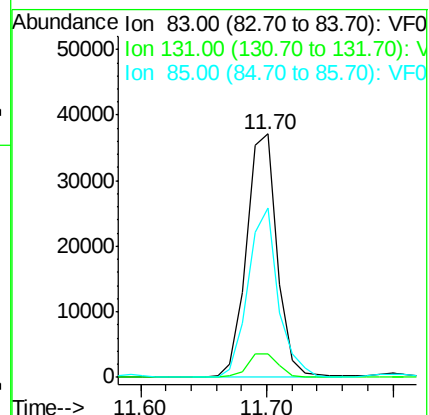
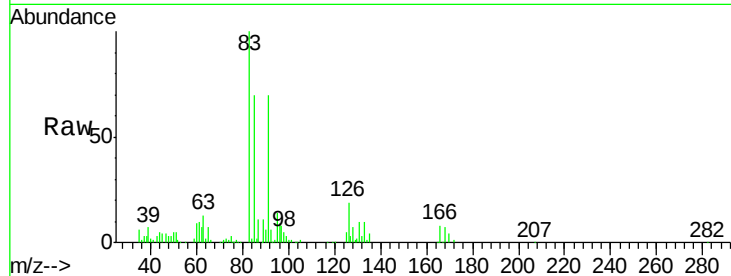
Tot Ion: 83 Resp: 62695

Ion Ratio Lower Upper

83 100

131 9.8 4.4 13.2

85 69.5 31.5 94.5



#76

1,2,3-Trichloropropane

Concen: 20.218 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF061726.D

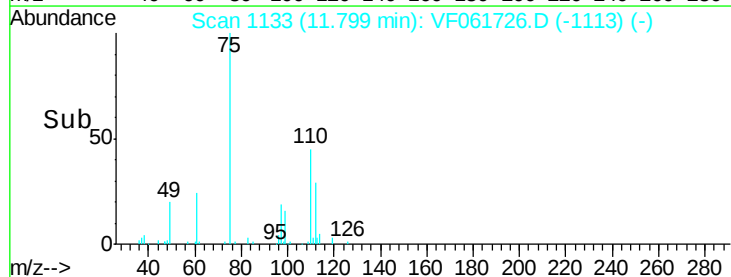
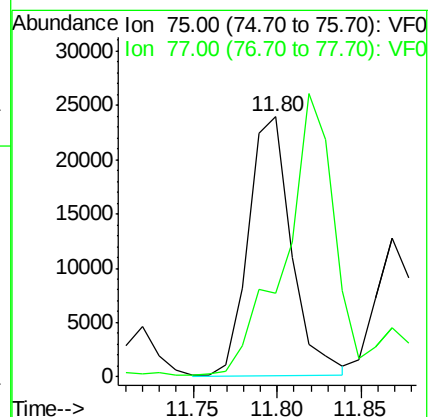
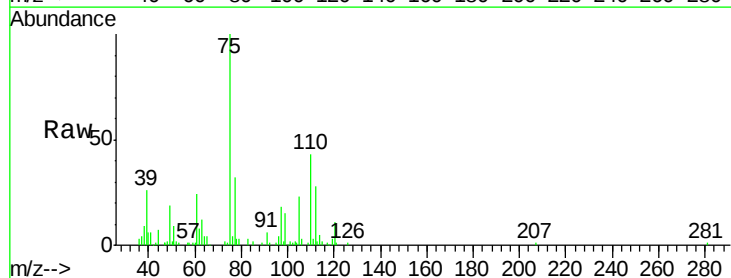
Acq: 25 Feb 2019 13:14

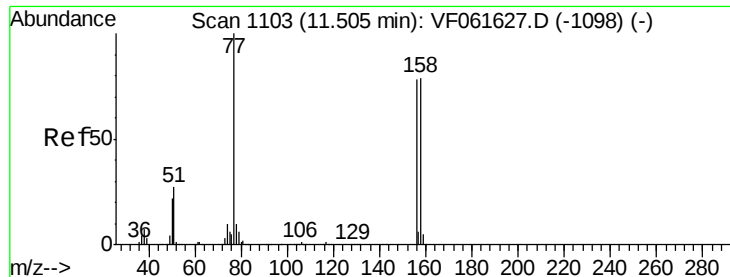
Tgt Ion: 75 Resp: 42597

Ion Ratio Lower Upper

75 100

77 32.3 16.6 49.7





#77

Bromobenzene

Concen: 23.484 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

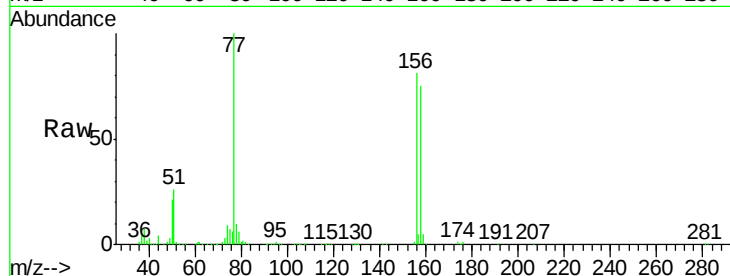
Tot Ion:156 Resp: 100352

Ion Ratio Lower Upper

156 100

77 123.5 64.3 192.7

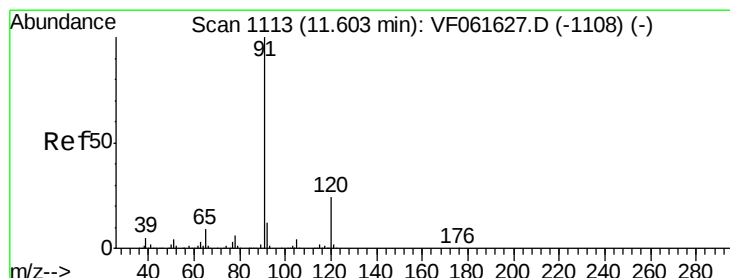
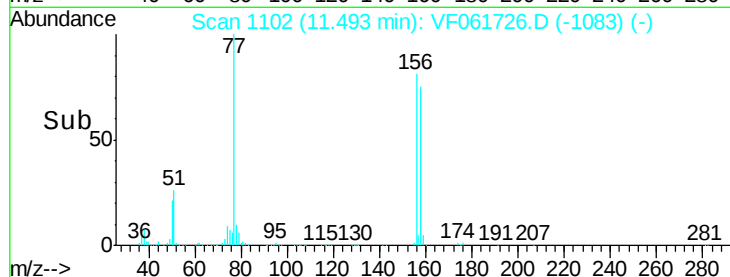
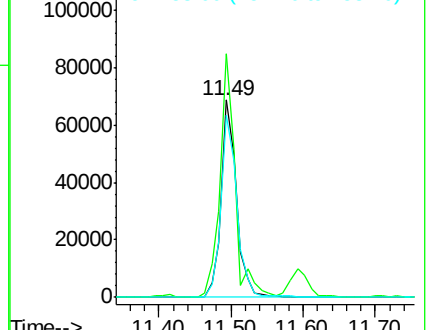
158 92.3 50.9 152.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.035 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF061726.D

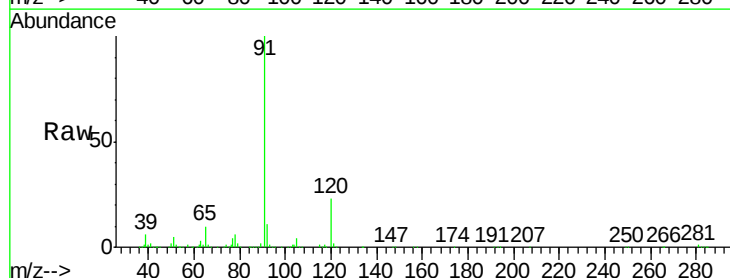
Acq: 25 Feb 2019 13:14

Tgt Ion: 91 Resp: 437371

Ion Ratio Lower Upper

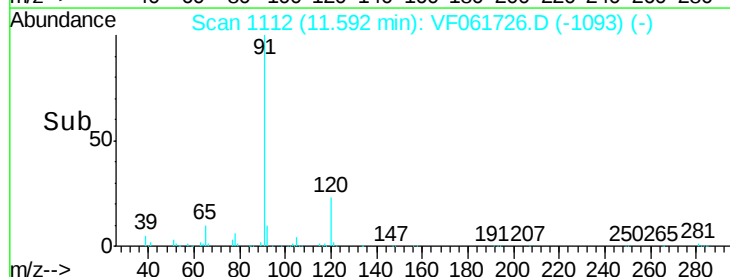
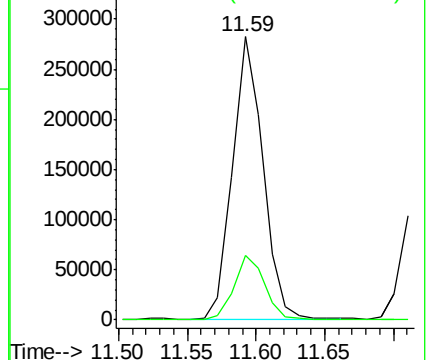
91 100

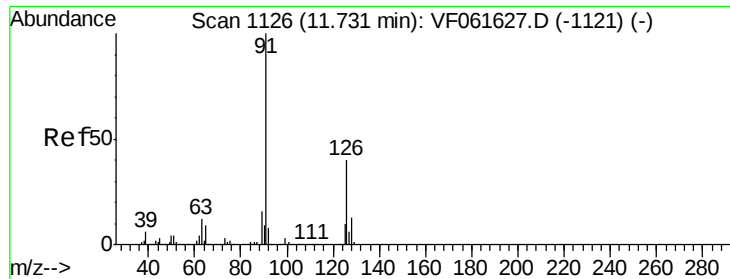
120 22.6 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.971 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

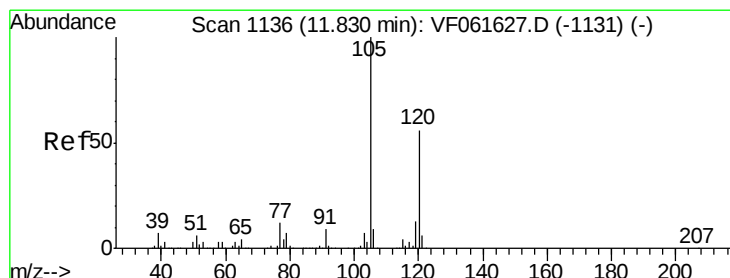
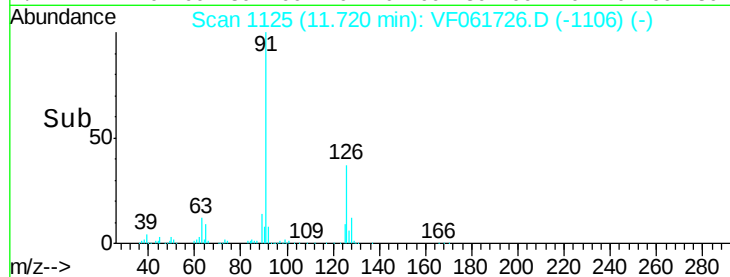
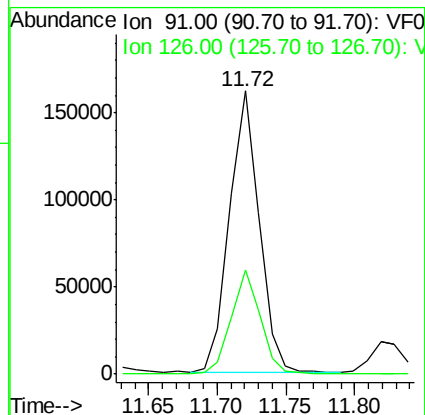
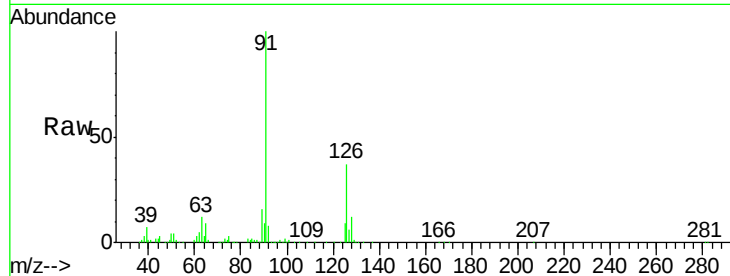
VF0225SBSD01

Tot Ion: 91 Resp: 244241

Ion Ratio Lower Upper

91 100

126 36.7 19.8 59.4



#80

1,3,5-Trimethylbenzene

Concen: 22.403 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061726.D

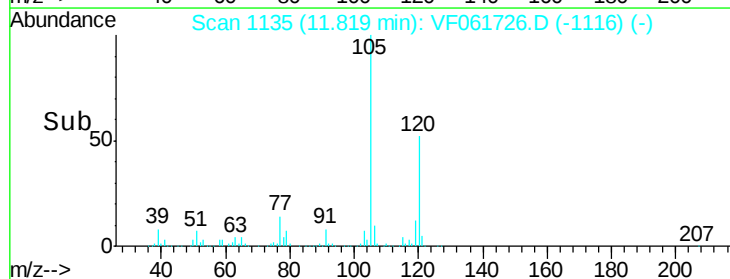
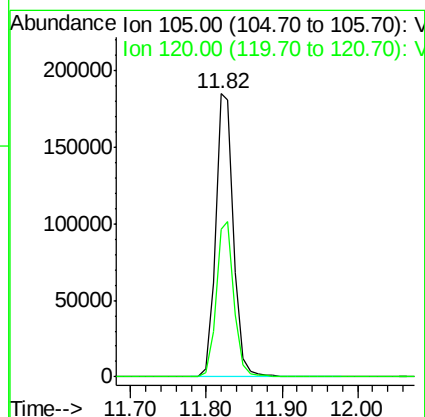
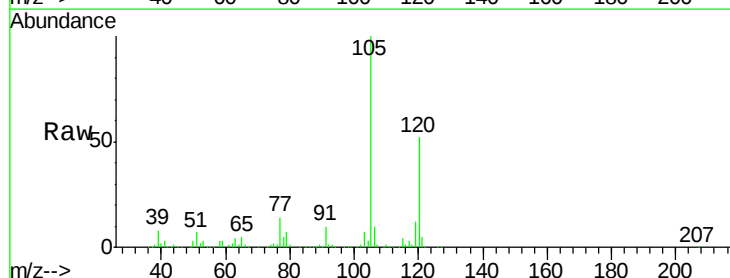
Acq: 25 Feb 2019 13:14

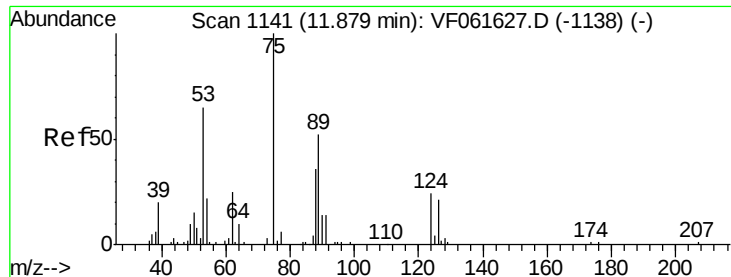
Tgt Ion:105 Resp: 309709

Ion Ratio Lower Upper

105 100

120 52.4 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.183 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBSD01

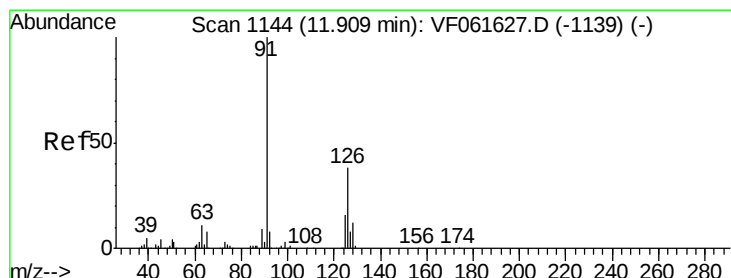
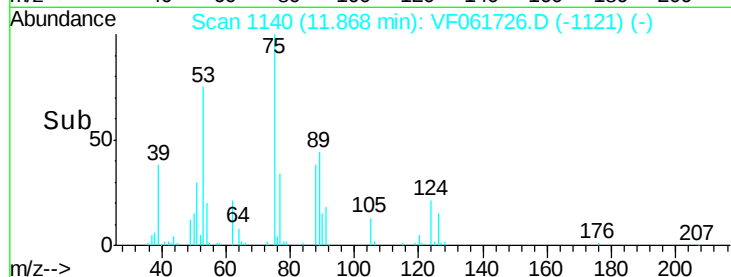
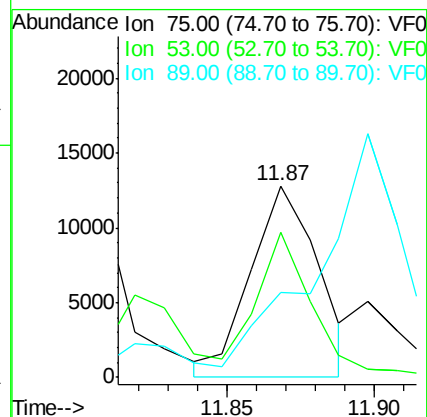
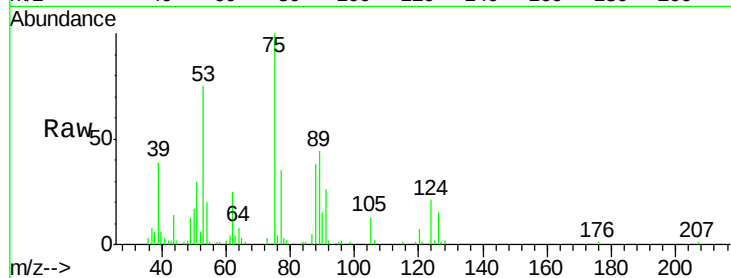
Tot Ion: 75 Resp: 20386

Ion Ratio Lower Upper

75 100

53 75.4 53.7 80.5

89 44.0 41.6 62.4



#82

4-Chlorotoluene

Concen: 21.621 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF061726.D

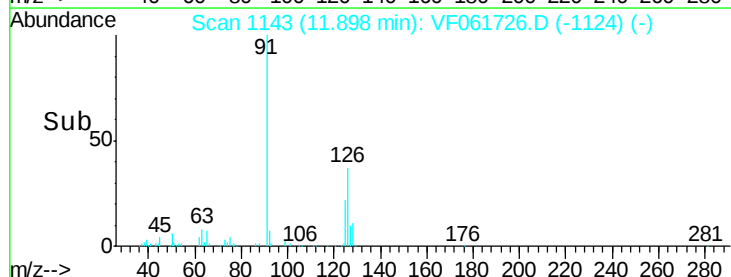
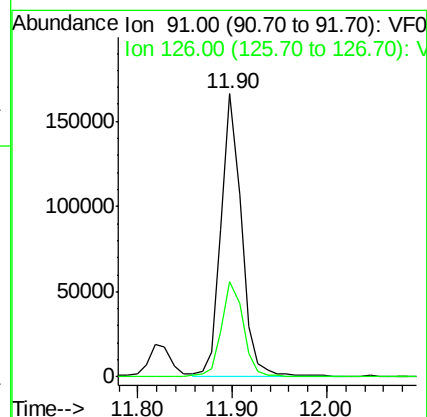
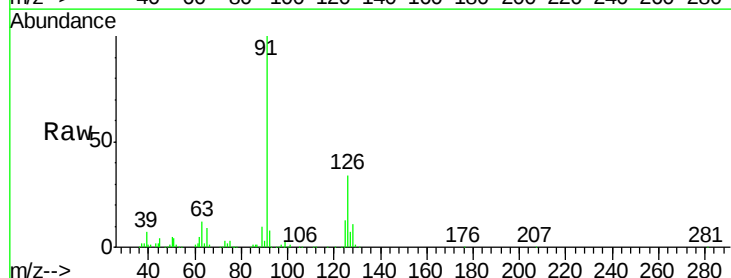
Acq: 25 Feb 2019 13:14

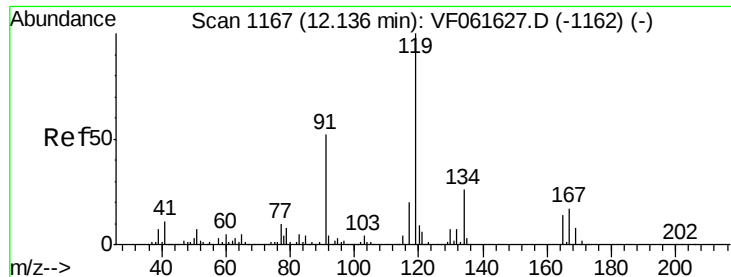
Tgt Ion: 91 Resp: 249466

Ion Ratio Lower Upper

91 100

126 33.6 19.1 57.1

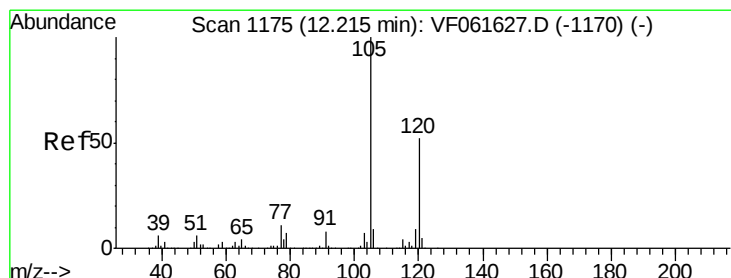
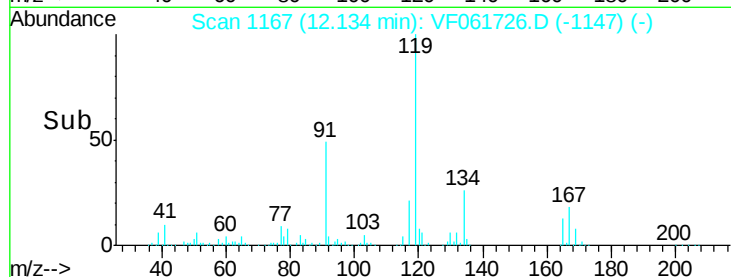
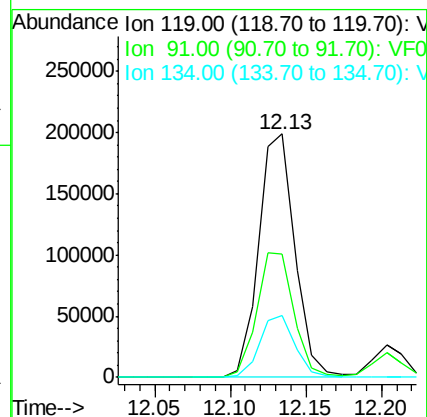
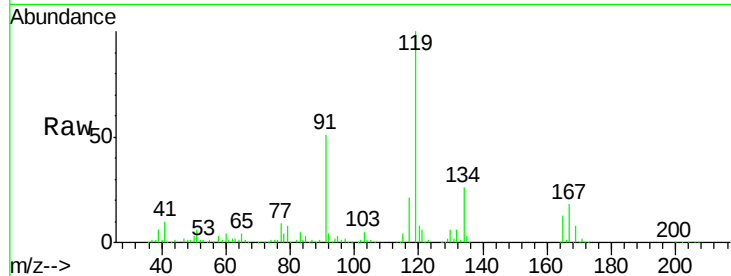




#83
 tert-Butylbenzene
 Concen: 21.741 ug/l
 RT: 12.13 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

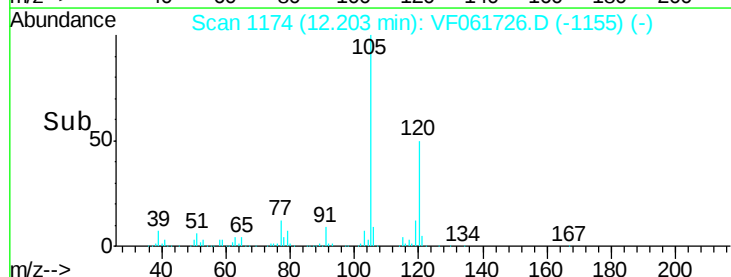
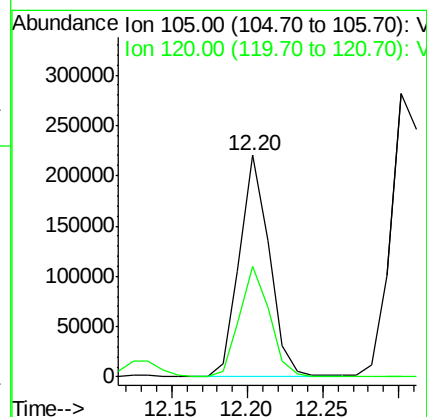
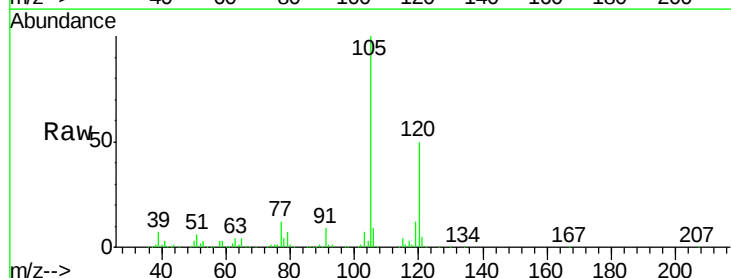
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBSD01

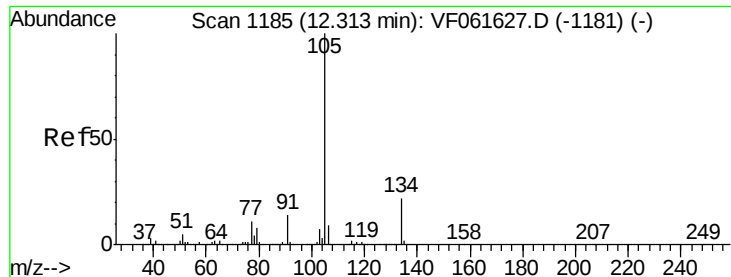
Tot Ion:119 Resp: 332903
 Ion Ratio Lower Upper
 119 100
 91 50.8 26.3 78.8
 134 25.6 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.229 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

Tgt Ion:105 Resp: 305296
 Ion Ratio Lower Upper
 105 100
 120 49.7 26.1 78.3





#85

sec-Butylbenzene

Concen: 22.060 ug/l

RT: 12.30 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

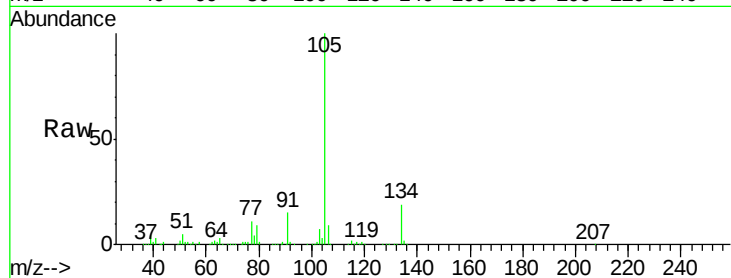
VF0225SBSD01

Tot Ion:105 Resp: 436813

Ion Ratio Lower Upper

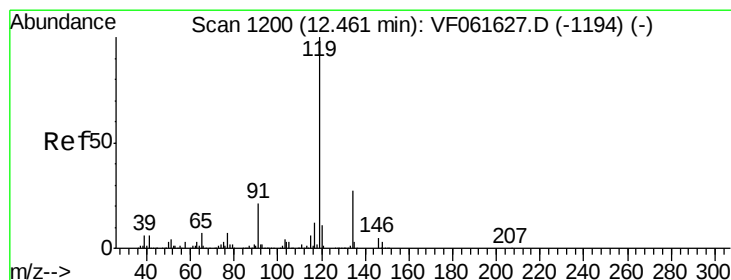
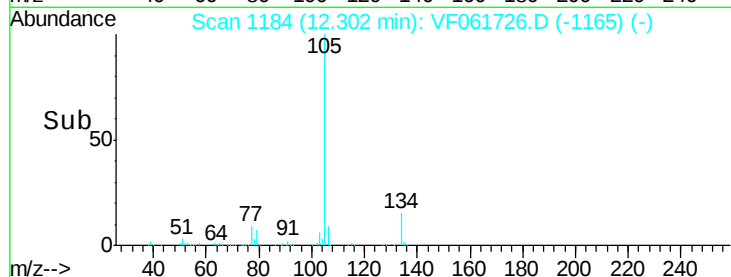
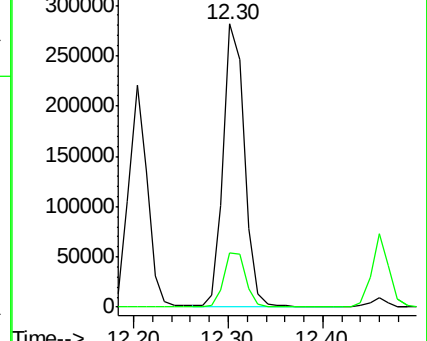
105 100

134 19.0 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.705 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

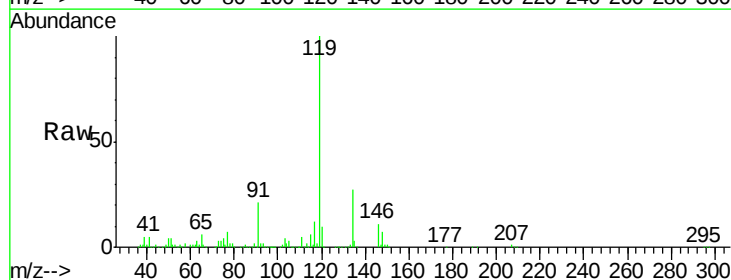
Tgt Ion:119 Resp: 360695

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.1

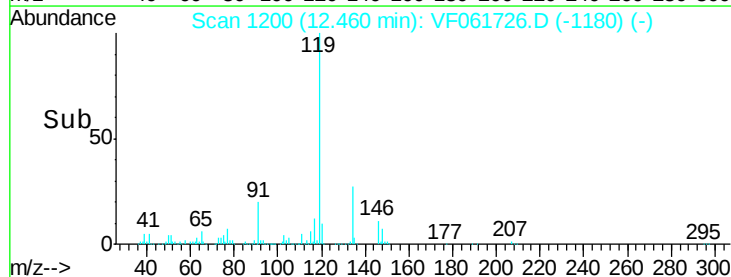
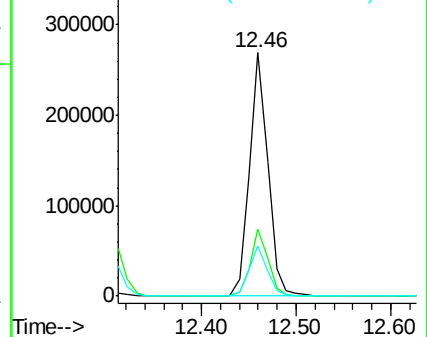
91 20.6 10.8 32.4

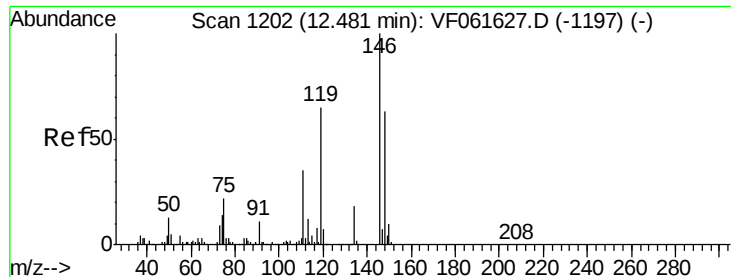


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.368 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

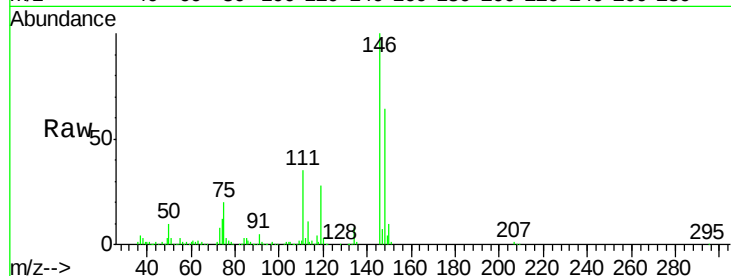
Tot Ion:146 Resp: 178003

Ion Ratio Lower Upper

146 100

111 34.6 17.5 52.6

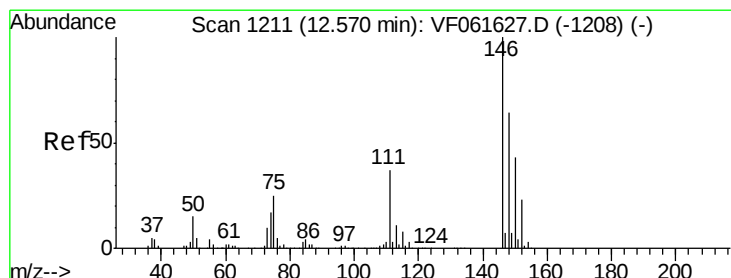
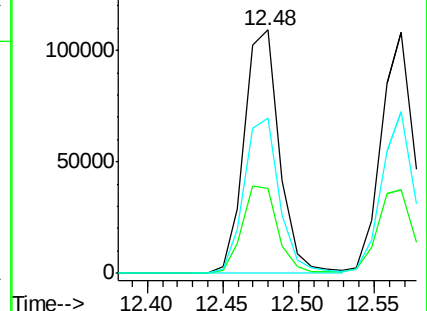
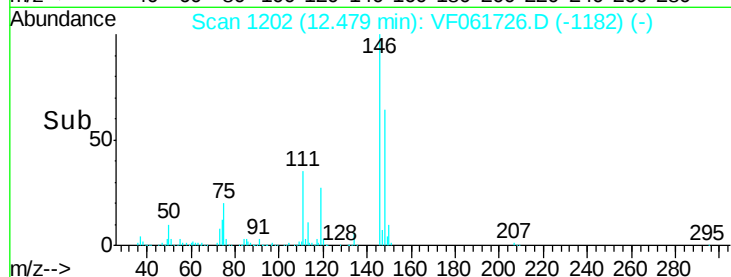
148 64.0 31.4 94.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 21.180 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

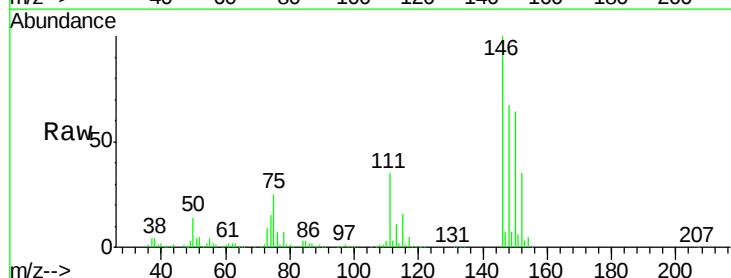
Tgt Ion:146 Resp: 169686

Ion Ratio Lower Upper

146 100

111 34.6 18.4 55.4

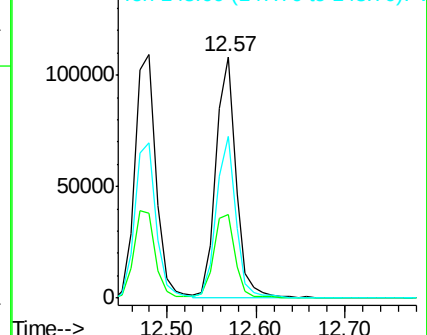
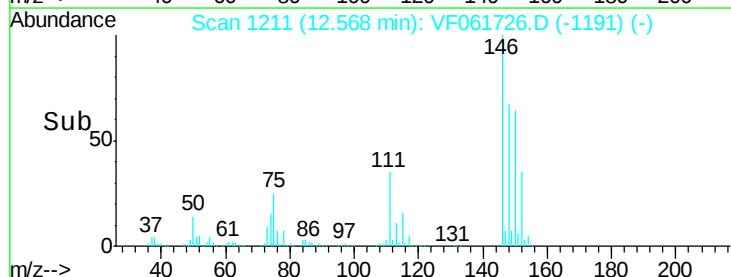
148 67.2 32.2 96.6

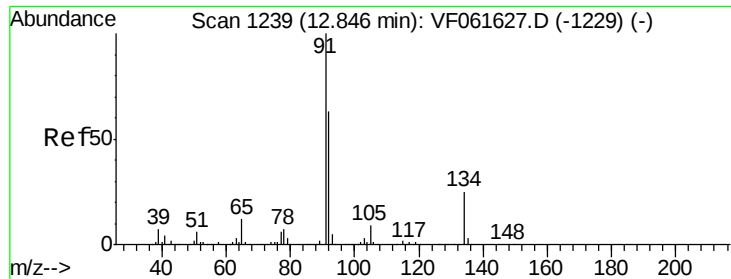


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

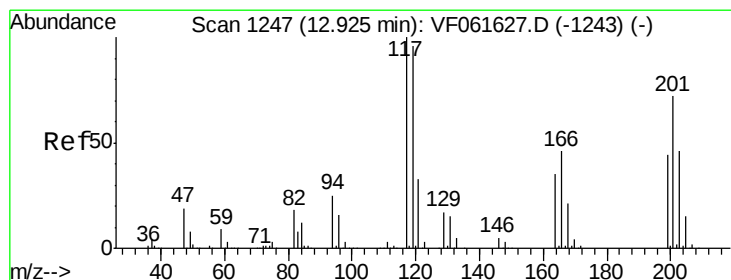
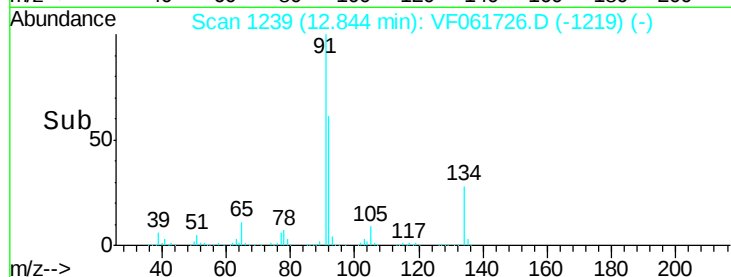
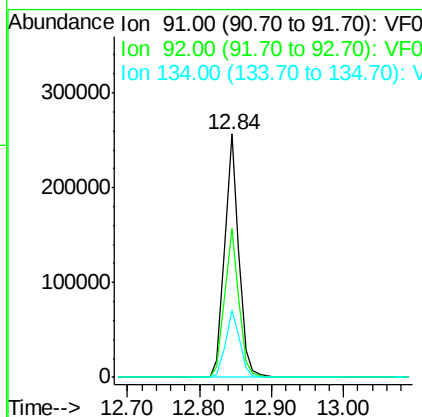
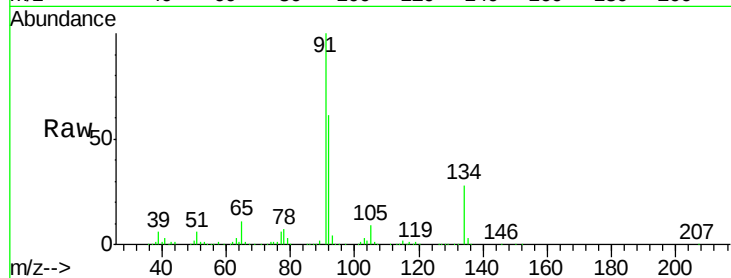




#89
n-Butylbenzene
Concen: 21.970 ug/l
RT: 12.84 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

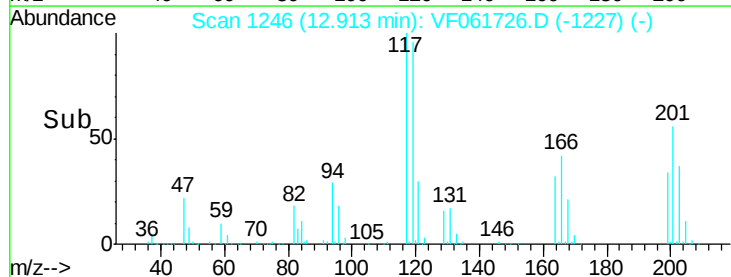
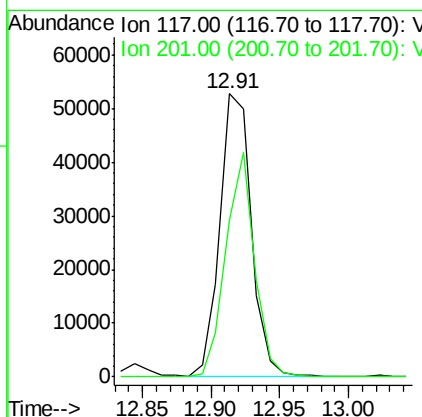
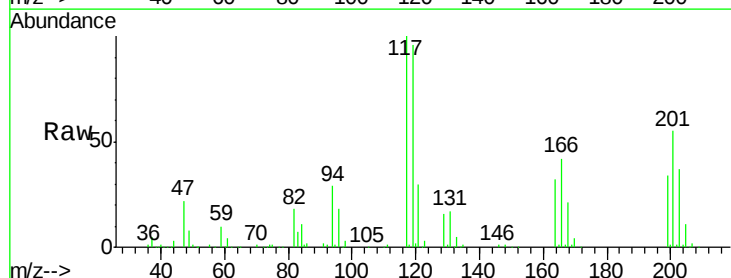
Instrument :
MSVOA_F
ClientSampleId :
VF0225SBS01

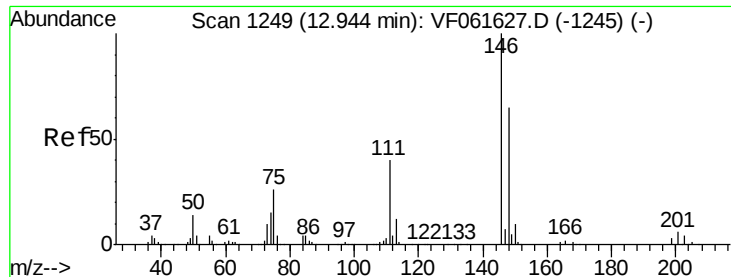
Tot Ion: 91 Resp: 344745
Ion Ratio Lower Upper
91 100
92 61.2 31.4 94.3
134 27.7 12.3 36.9



#90
Hexachloroethane
Concen: 21.671 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF061726.D
Acq: 25 Feb 2019 13:14

Tgt Ion: 117 Resp: 83754
Ion Ratio Lower Upper
117 100
201 55.4 36.2 108.6

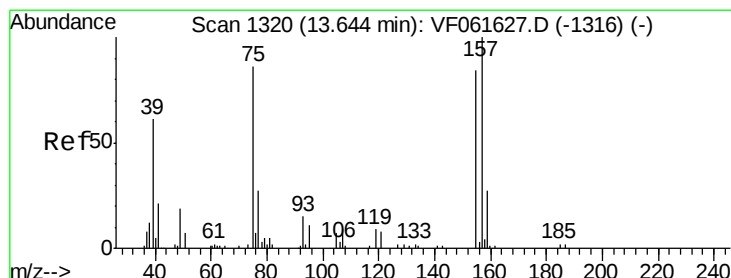
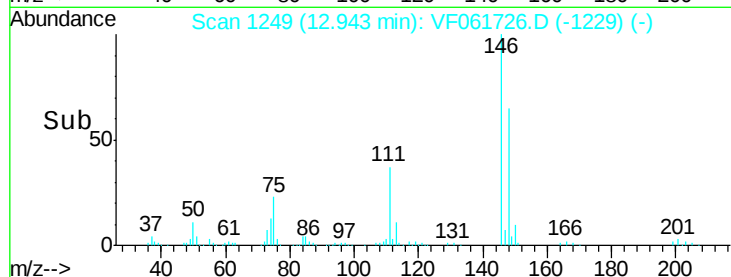
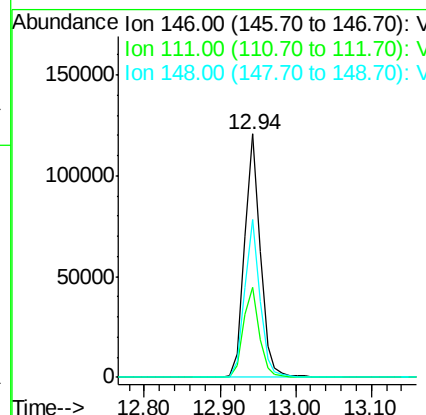
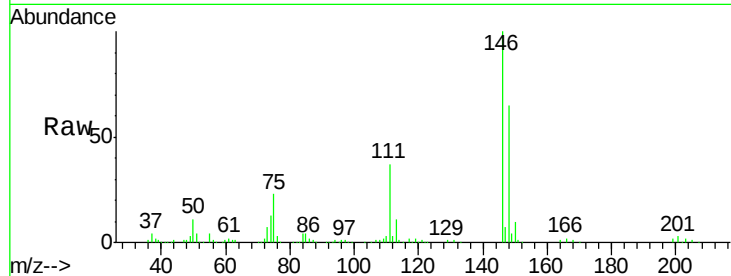




#91
 1,2-Dichlorobenzene
 Concen: 21.776 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

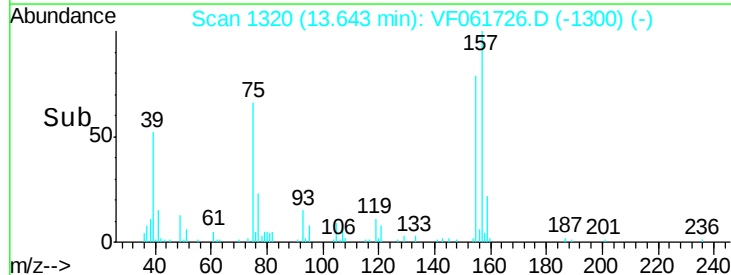
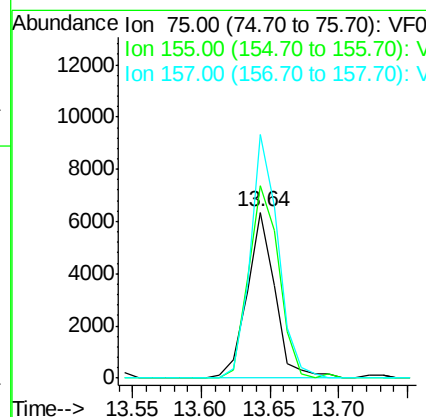
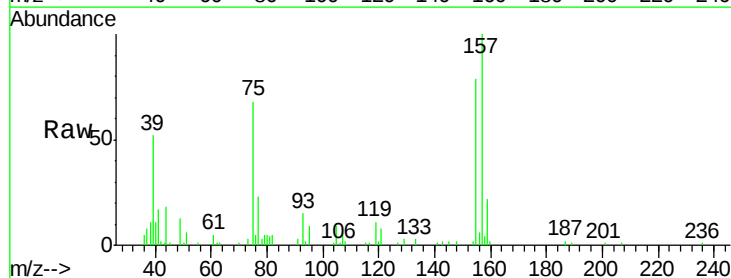
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

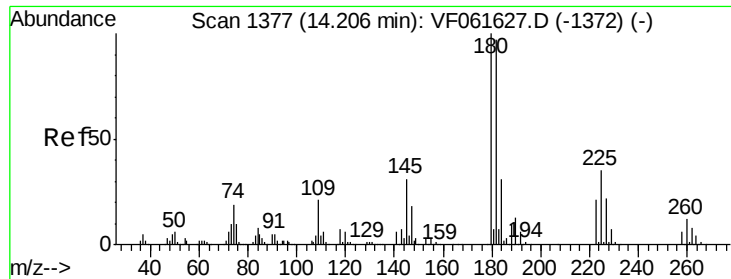
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	20.2	60.5
148	64.6	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.251 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	115.8	48.9	146.8
157	146.9	58.3	174.8

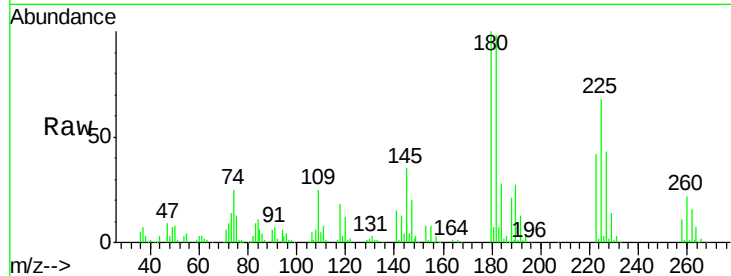




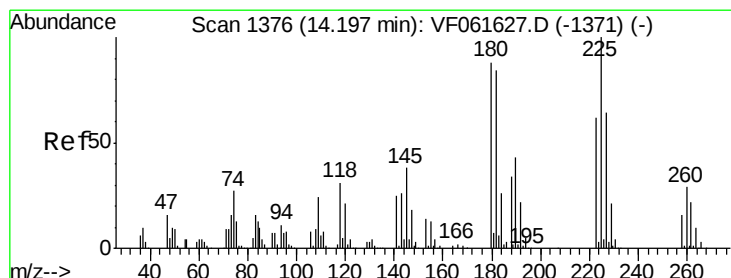
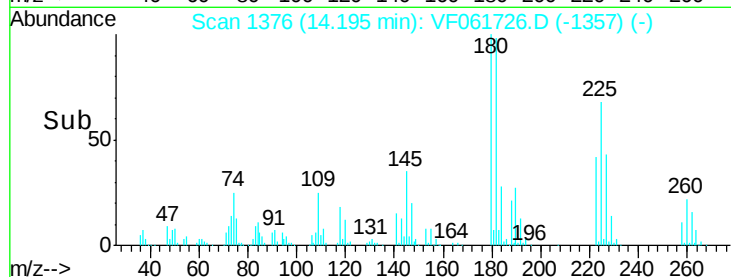
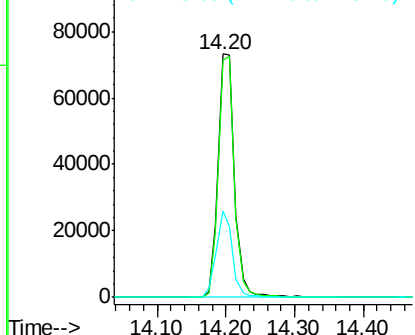
#93
 1,2,4-Trichlorobenzene
 Concen: 21.485 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBS01

Tot Ion:180 Resp: 122023
 Ion Ratio Lower Upper
 180 100
 182 97.7 48.6 145.9
 145 35.4 15.3 45.9

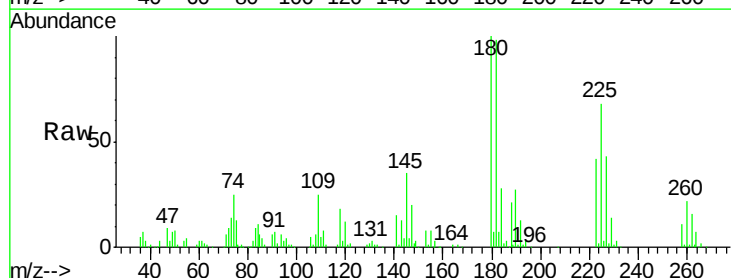


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

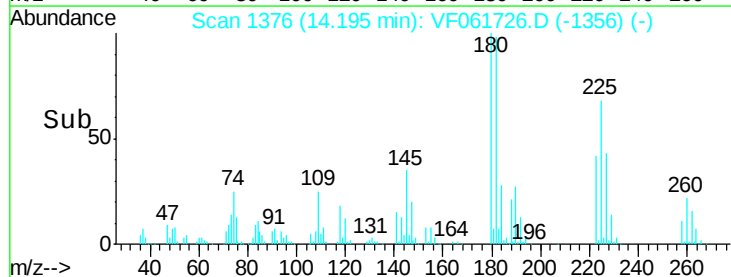
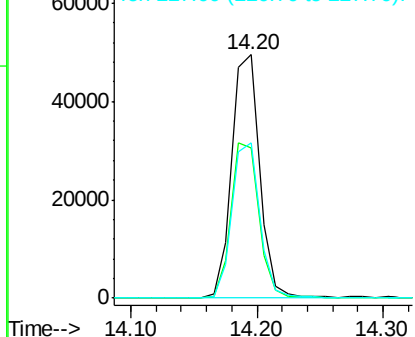


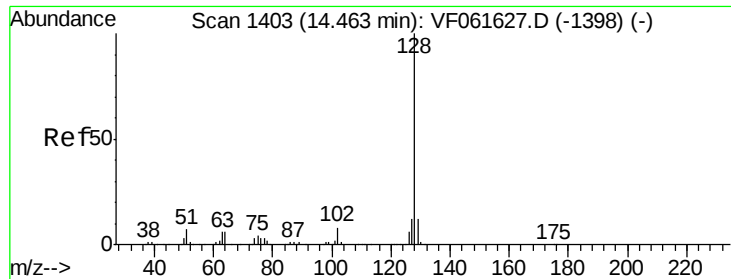
#94
 Hexachlorobutadiene
 Concen: 21.629 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061726.D
 Acq: 25 Feb 2019 13:14

Tgt Ion:225 Resp: 75868
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.9 92.7
 227 64.0 32.1 96.3



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: 20.242 ug/l

RT: 14.46 min Scan# 1403

Delta R.T. -0.00 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

VF0225SBS01

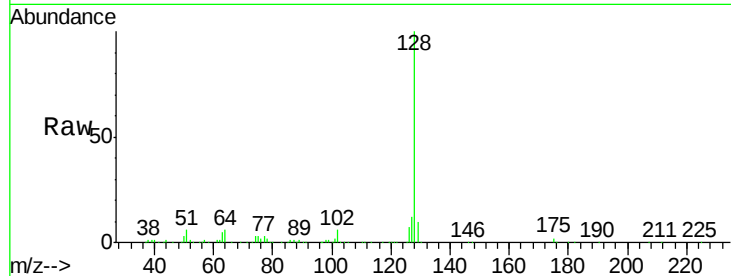
Tot Ion:128 Resp: 201149

Ion Ratio Lower Upper

128 100

127 12.0 9.8 14.6

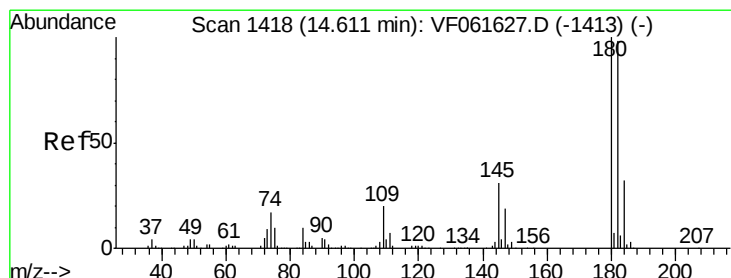
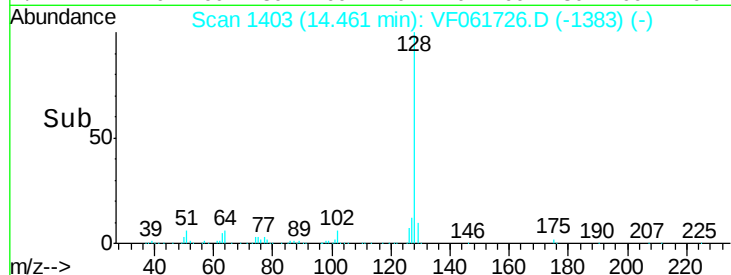
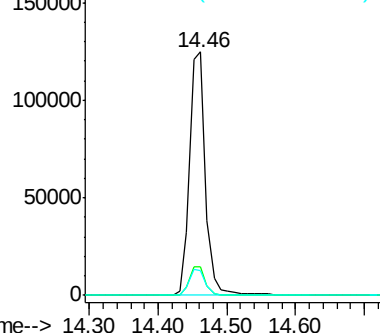
129 9.9 9.4 14.2



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: 20.673 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF061726.D

Acq: 25 Feb 2019 13:14

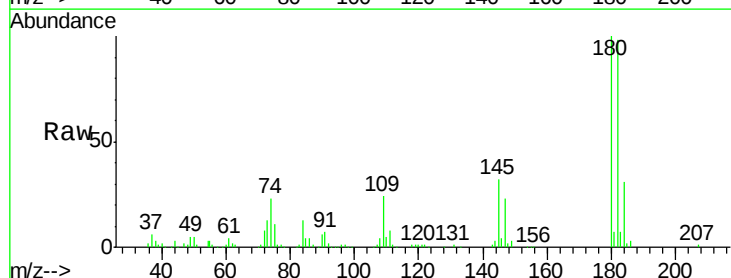
Tgt Ion:180 Resp: 107765

Ion Ratio Lower Upper

180 100

182 97.7 49.0 147.2

145 32.0 15.4 46.1



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

