

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061764.D
 Acq On : 27 Feb 2019 14:11
 Operator : VA/AP
 Sample : VF0227SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0227SBS01

Quant Time: Feb 28 00:46:35 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	4.85	168	298135	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	449588	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	390486	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	222414	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	124876	57.12	ug/l	-0.03
Spiked Amount			Recovery	=	114.24%	
35) Dibromofluoromethane	4.09	113	172890	51.78	ug/l	-0.03
Spiked Amount			Recovery	=	103.56%	
50) Toluene-d8	7.53	98	489832	51.04	ug/l	-0.03
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.40	95	189258	48.73	ug/l	-0.02
Spiked Amount			Recovery	=	97.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	87731	25.624	ug/l	98
3) Chloromethane	1.08	50	84460	23.512	ug/l	100
4) Vinyl Chloride	1.13	62	80887	24.221	ug/l	97
5) Bromomethane	1.32	94	52457	22.824	ug/l	95
6) Chloroethane	1.41	64	35517	21.581	ug/l #	85
7) Trichlorofluoromethane	1.47	101	102747m	25.509	ug/l	
8) Diethyl Ether	1.62	74	20236	19.936	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.84	101	69598	23.952	ug/l	94
10) Methyl Iodide	1.91	142	125920m	22.686	ug/l	
11) Tert butyl alcohol	2.56	59	15252	120.543	ug/l	93
12) 1,1-Dichloroethene	1.79	96	61359m	24.018	ug/l	
13) Acrolein	1.99	56	15050	94.641	ug/l	93
14) Allyl chloride	2.08	41	60208	19.206	ug/l	98
15) Acrylonitrile	2.93	53	42465	94.620	ug/l	88
16) Acetone	2.23	43	60314	128.581	ug/l	98
17) Carbon Disulfide	1.81	76	180486m	22.476	ug/l	
18) Methyl Acetate	2.33	43	23209	21.963	ug/l	97
19) Methyl tert-butyl Ether	2.42	73	92411	21.165	ug/l	95
20) Methylene Chloride	2.26	84	62304m	23.449	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	56968m	20.513	ug/l	
22) Diisopropyl ether	2.79	45	170949	22.717	ug/l	97
23) Vinyl Acetate	3.17	43	396311	107.825	ug/l	99
24) 1,1-Dichloroethane	2.86	63	98401	21.608	ug/l	98
25) 2-Butanone	4.32	43	103920	101.424	ug/l	100
26) 2,2-Dichloropropane	3.57	77	44170	22.898	ug/l	98
27) cis-1,2-Dichloroethene	3.46	96	75917	20.826	ug/l	98
28) Bromochloromethane	3.70	49	43999	20.136	ug/l	94
29) Tetrahydrofuran	4.06	42	45460	97.618	ug/l	99
30) Chloroform	3.84	83	120472	23.262	ug/l	93
31) Cyclohexane	3.67	56	105287m	21.357	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	62765	18.501	ug/l	97
36) 1,1-Dichloropropene	4.26	75	91369	20.515	ug/l	96
37) Ethyl Acetate	4.09	43	41220	19.926	ug/l	97
38) Carbon Tetrachloride	3.97	117	64668	21.028	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	98291	18.661	ug/l	95
40) Benzene	4.61	78	245025	21.033	ug/l	100
41) Methacrylonitrile	4.73	41	21975	20.772	ug/l	95
42) 1,2-Dichloroethane	4.92	62	59264	21.268	ug/l	95
43) Isopropyl Acetate	6.94	43	49460	20.199	ug/l #	98
44) Trichloroethene	5.48	130	76821	20.392	ug/l	96
45) 1,2-Dichloropropane	6.22	63	56725	20.145	ug/l	98
46) Dibromomethane	6.06	93	35086	20.237	ug/l	86
47) Bromodichloromethane	6.37	83	81532	21.474	ug/l	99
48) Methyl methacrylate	6.70	41	28184	19.126	ug/l	96
49) 1,4-Dioxane	6.69	88	5725	413.292	ug/l #	85
51) 4-Methyl-2-Pentanone	8.24	43	173652	99.251	ug/l	98
52) Toluene	7.61	92	140253	19.851	ug/l	91
53) t-1,3-Dichloropropene	8.26	75	66111	20.922	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	95859	22.775	ug/l	99
55) 1,1,2-Trichloroethane	8.47	97	41639	20.059	ug/l	93
56) Ethyl methacrylate	8.61	69	46140	19.964	ug/l	98
57) 1,3-Dichloropropane	8.83	76	73582	21.237	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	39506	99.074	ug/l	93
59) 2-Hexanone	9.47	43	133552	108.894	ug/l	95
60) Dibromochloromethane	8.69	129	57306	19.834	ug/l	94
61) 1,2-Dibromoethane	8.97	107	46379	20.599	ug/l	93
64) Tetrachloroethene	8.13	164	69550	21.790	ug/l	97
65) Chlorobenzene	9.78	112	164259	20.730	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	68784	22.153	ug/l	98
67) Ethyl Benzene	9.88	91	280427	21.281	ug/l	98
68) m/p-Xylenes	10.11	106	205094	40.668	ug/l	99
69) o-Xylene	10.70	106	117962	21.921	ug/l	100
70) Styrene	10.78	104	162071	21.289	ug/l	96
71) Bromoform	10.76	173	34430	20.420	ug/l	98
73) Isopropylbenzene	11.11	105	343257	21.676	ug/l	98
74) N-amyl acetate	11.36	43	79642	20.953	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	55627	19.608	ug/l	96
76) 1,2,3-Trichloropropane	11.78	75	37015	19.190	ug/l	97
77) Bromobenzene	11.49	156	77255	19.748	ug/l	95
78) n-propylbenzene	11.58	91	379778	20.899	ug/l	99
79) 2-Chlorotoluene	11.70	91	216830	21.306	ug/l	92
80) 1,3,5-Trimethylbenzene	11.81	105	269036	21.257	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.86	75	15249m	16.491	ug/l	
82) 4-Chlorotoluene	11.89	91	214691	20.324	ug/l	99
83) tert-Butylbenzene	12.12	119	298424	21.288	ug/l	100
84) 1,2,4-Trimethylbenzene	12.20	105	264492	21.035	ug/l	98
85) sec-Butylbenzene	12.29	105	373688	20.614	ug/l	98
86) p-Isopropyltoluene	12.45	119	332140	21.832	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	157769	20.687	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	152376	20.775	ug/l	99
89) n-Butylbenzene	12.84	91	308147	21.450	ug/l	96
90) Hexachloroethane	12.91	117	73429	20.753	ug/l	93
91) 1,2-Dichlorobenzene	12.93	146	148707	20.500	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9054	20.129	ug/l	66

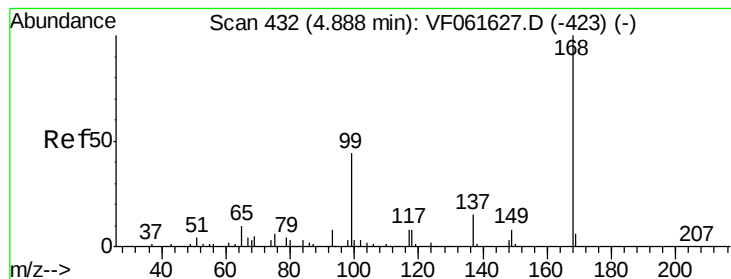
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	107429	20.661	ug/l	99
94) Hexachlorobutadiene	14.18	225	70138	21.841	ug/l	97
95) Naphthalene	14.44	128	180010	19.787	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	101317	21.230	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

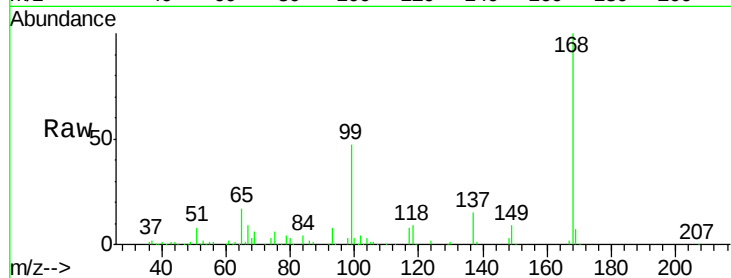
VF0227SBS01

Tot Ion:168 Resp: 298135

Ion Ratio Lower Upper

168 100

99 47.3 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

100000

80000

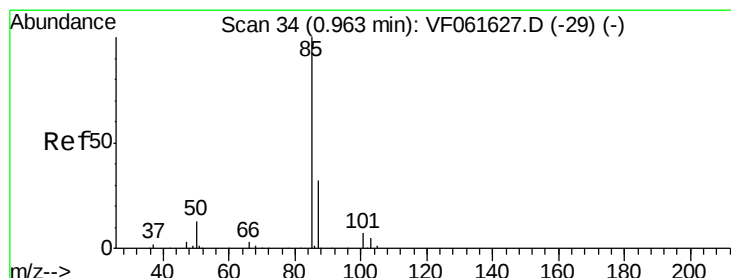
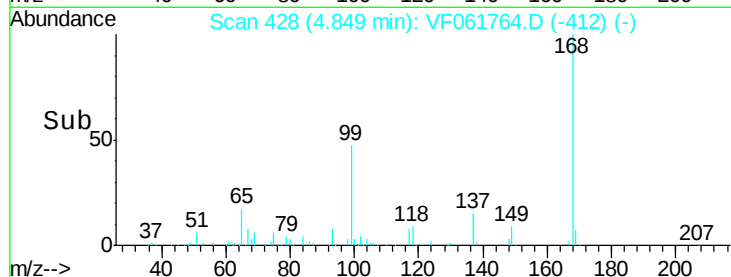
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 25.624 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061764.D

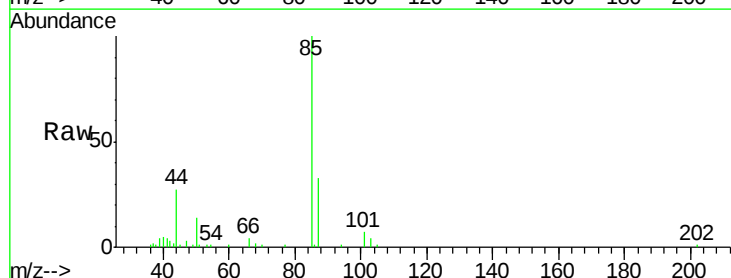
Acq: 27 Feb 2019 14:11

Tgt Ion: 85 Resp: 87731

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

25000

20000

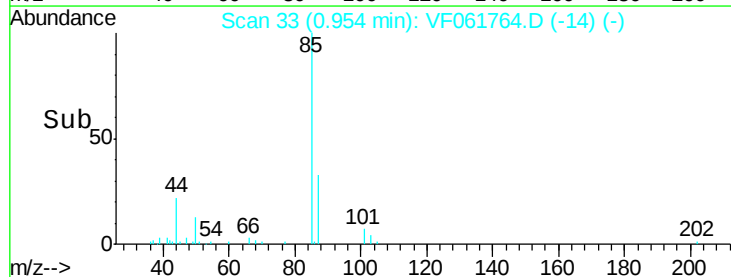
15000

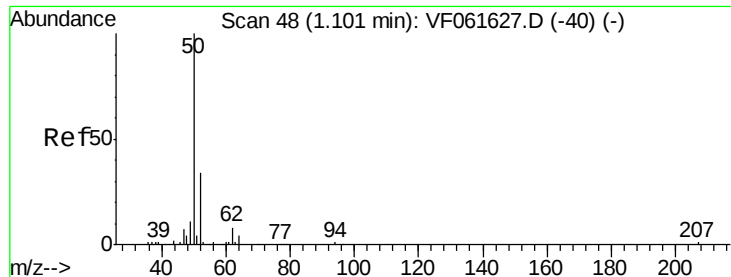
10000

5000

0

Time-->





#3

Chloromethane

Concen: 23.512 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

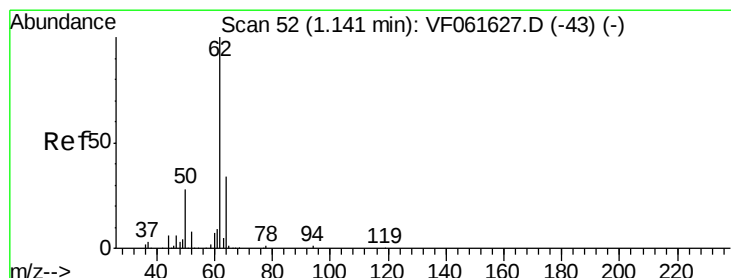
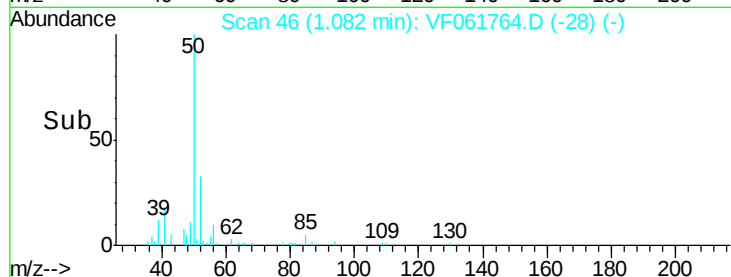
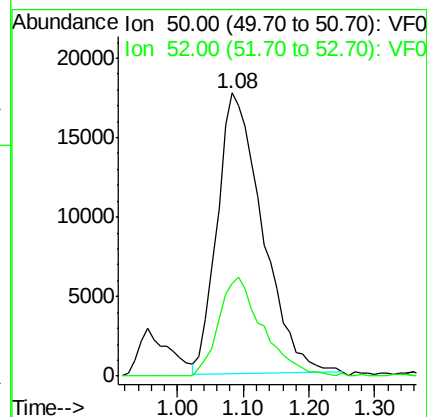
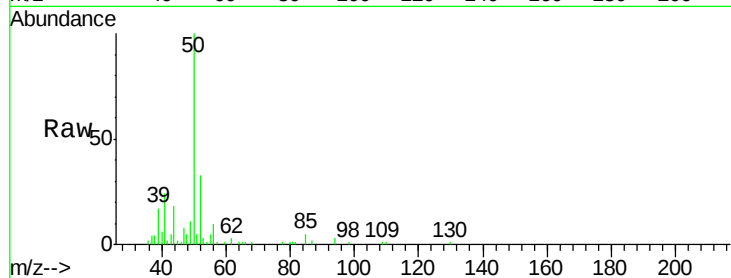
VF0227SBS01

Tot Ion: 50 Resp: 84460

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.4



#4

Vinyl Chloride

Concen: 24.221 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061764.D

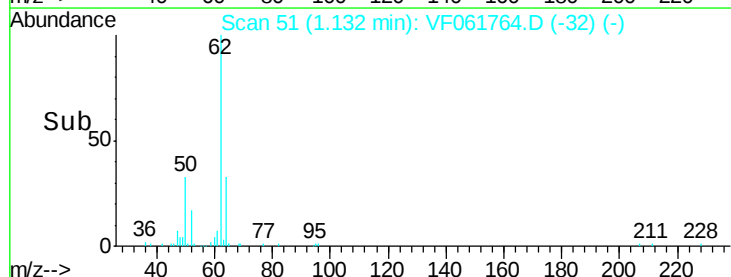
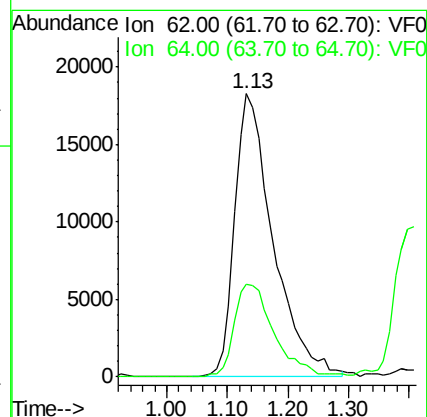
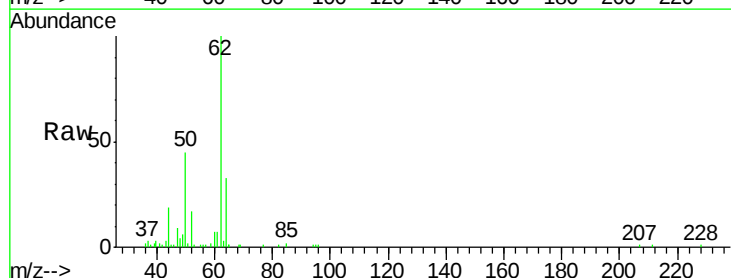
Acq: 27 Feb 2019 14:11

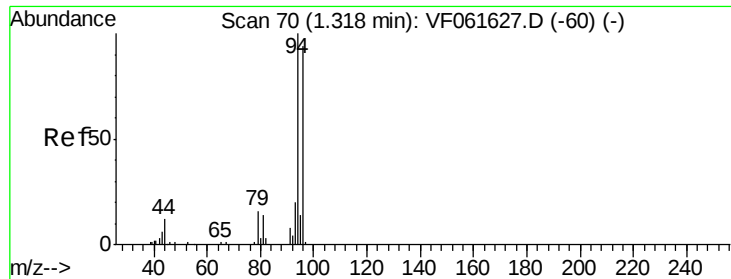
Tgt Ion: 62 Resp: 80887

Ion Ratio Lower Upper

62 100

64 32.9 27.5 41.3





#5

Bromomethane

Concen: 22.824 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

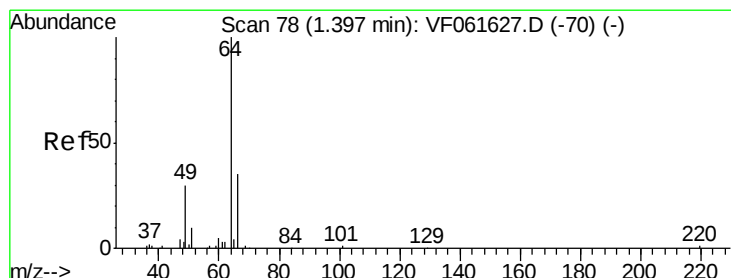
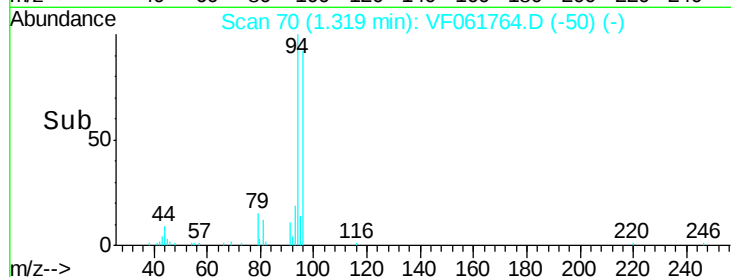
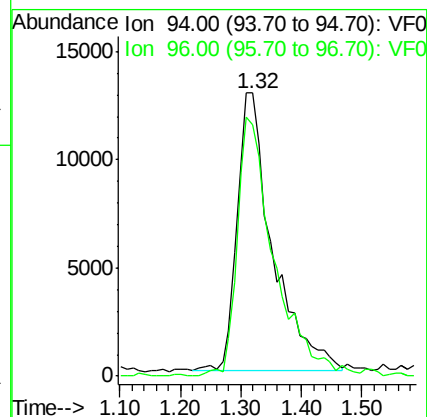
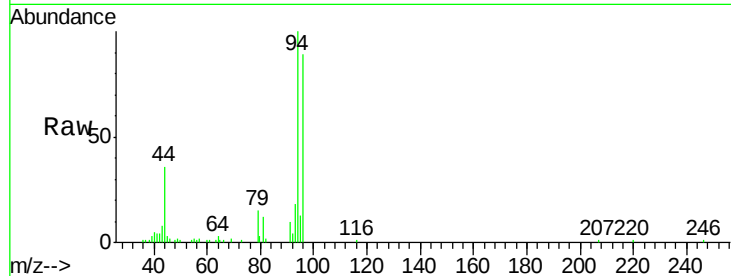
VF0227SBS01

Tot Ion: 94 Resp: 52457

Ion Ratio Lower Upper

94 100

96 88.7 74.6 112.0



#6

Chloroethane

Concen: 21.581 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.01 min

Lab File: VF061764.D

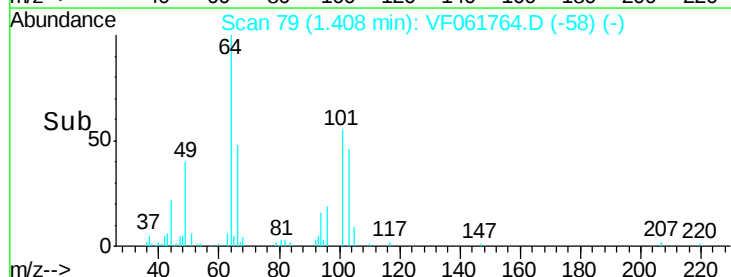
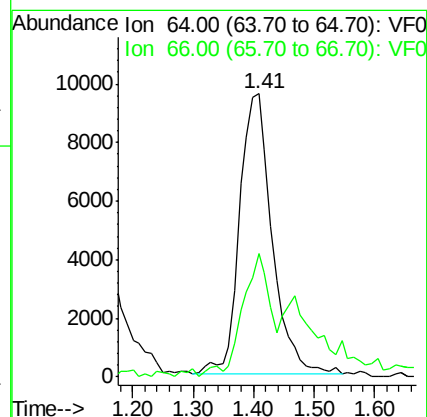
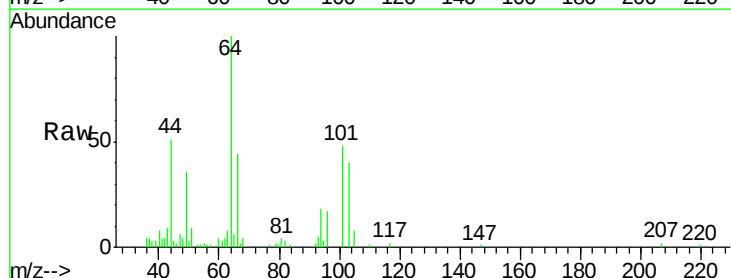
Acq: 27 Feb 2019 14:11

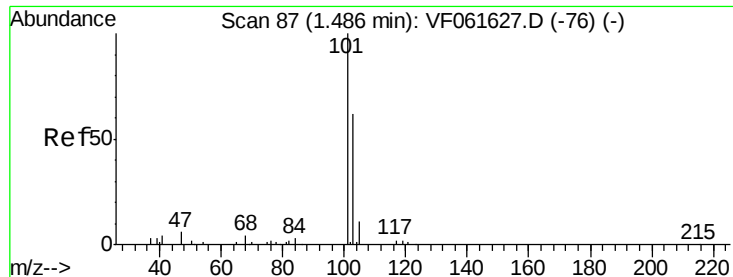
Tgt Ion: 64 Resp: 35517

Ion Ratio Lower Upper

64 100

66 43.7 27.9 41.9#



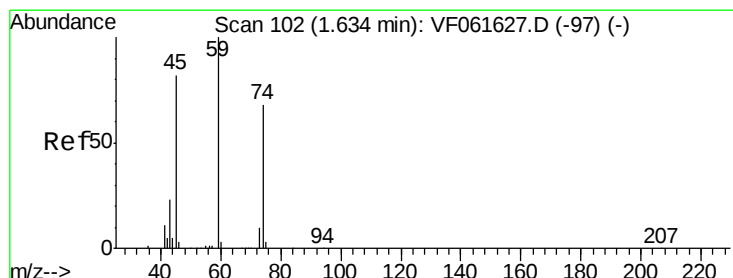
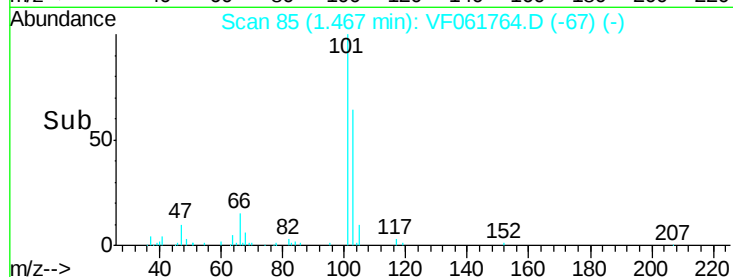
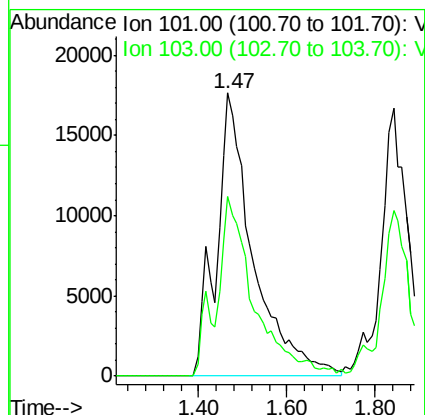
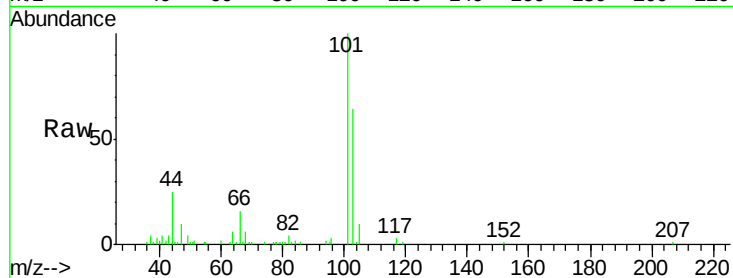


#7

Trichlorofluoromethane
 Concen: 25.509 ug/l m
 RT: 1.47 min Scan# 85
 Delta R.T. -0.02 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Instrument :
 MSVOA_F
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 VF0227SBS01

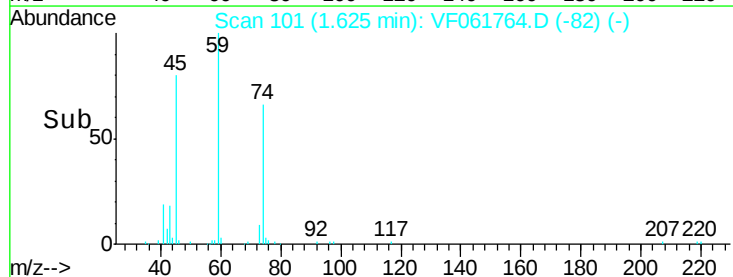
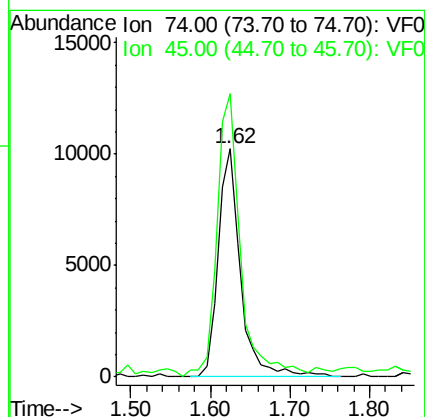
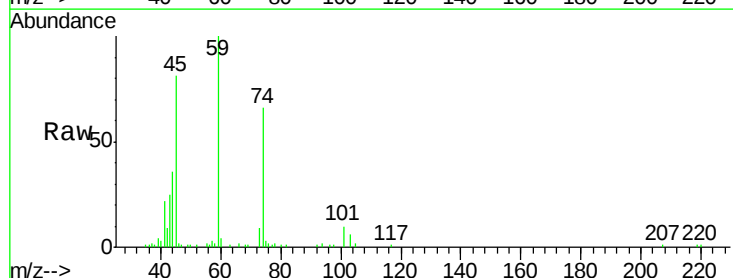
Tot Ion:101 Resp: 102747
 Ion Ratio Lower Upper
 101 100
 103 63.6 49.3 73.9

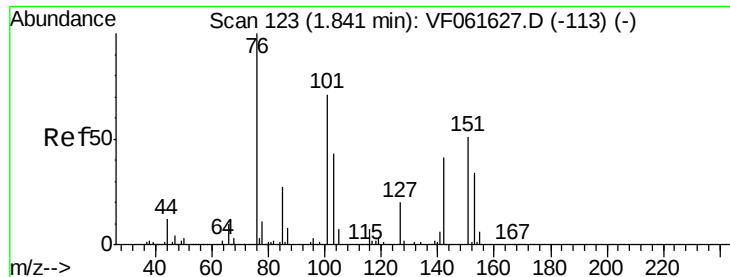


#8

Diethyl Ether
 Concen: 19.936 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Tgt Ion: 74 Resp: 20236
 Ion Ratio Lower Upper
 74 100
 45 124.3 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.952 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.00 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

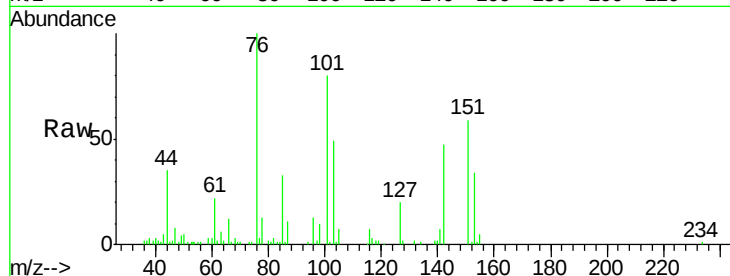
Tot Ion:101 Resp: 69598

Ion Ratio Lower Upper

101 100

85 41.5 29.8 44.6

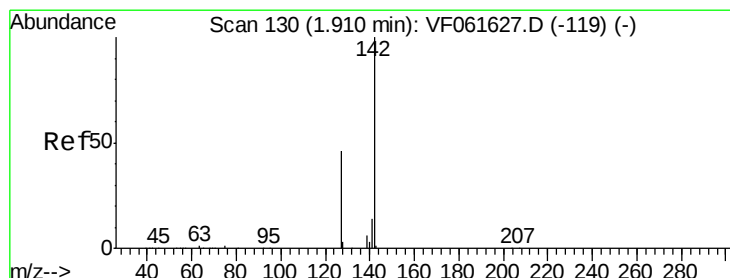
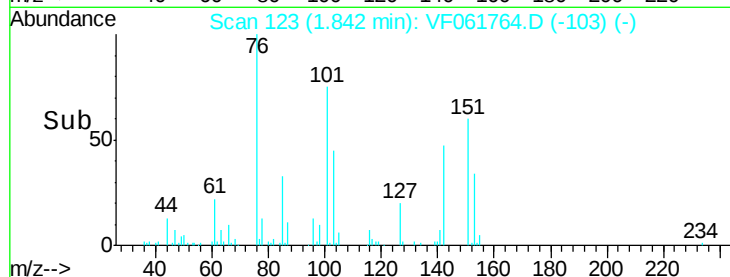
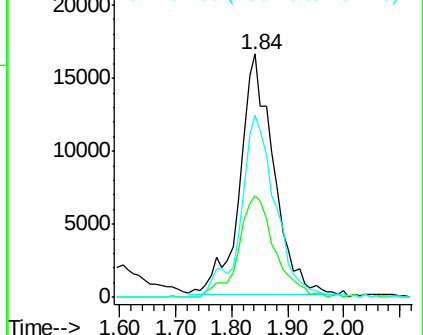
151 74.6 56.3 84.5



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: 22.686 ug/l m

RT: 1.91 min Scan# 130

Delta R.T. 0.00 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

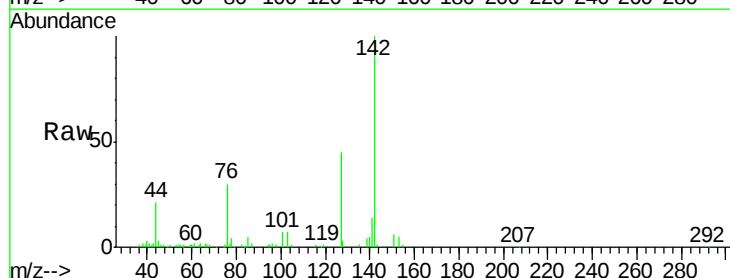
Tgt Ion:142 Resp: 125920

Ion Ratio Lower Upper

142 100

127 45.1 36.6 55.0

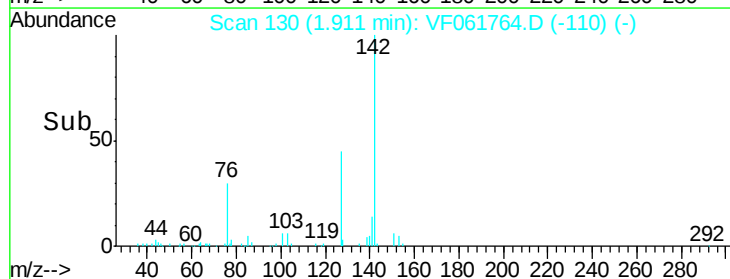
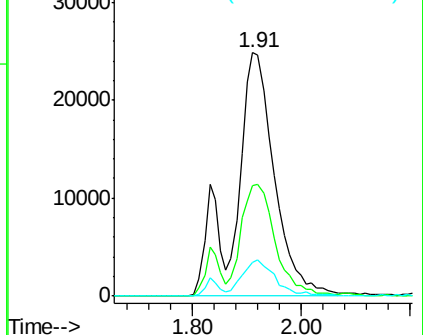
141 13.9 11.0 16.6

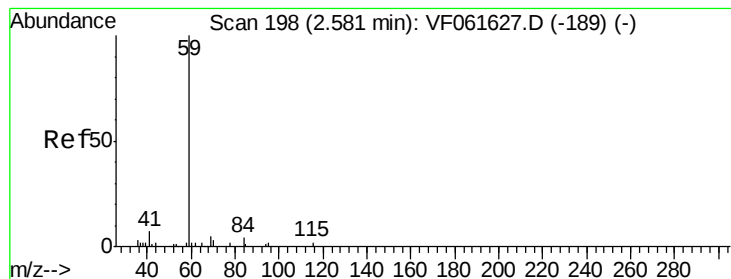


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



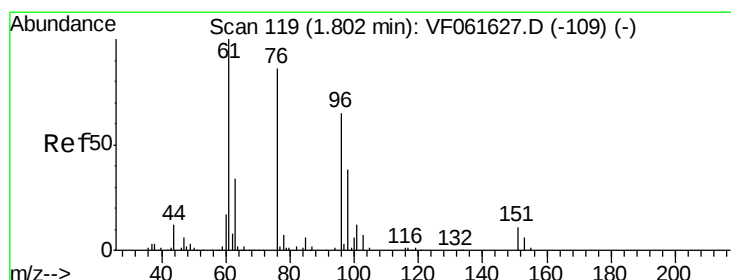
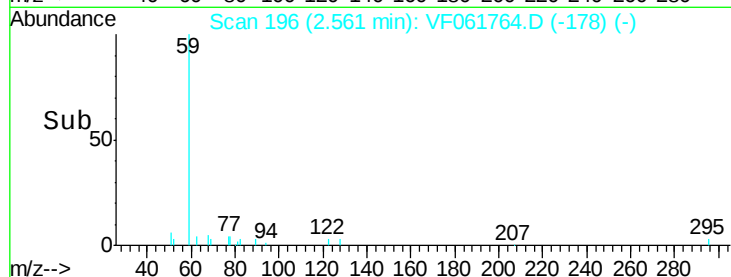
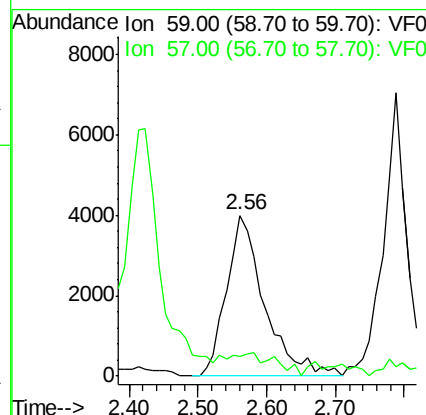
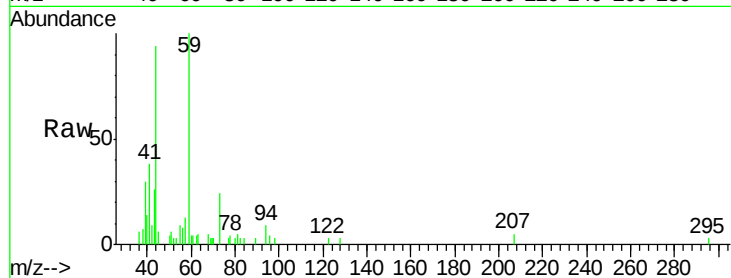


#11

Tert butyl alcohol
 Concen: 120.543 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.02 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0227SBS01

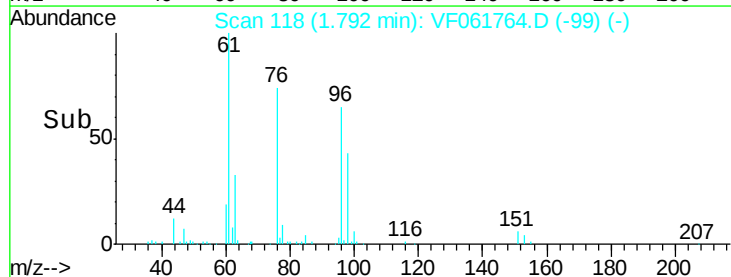
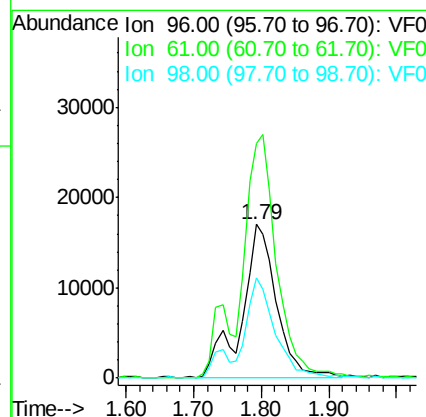
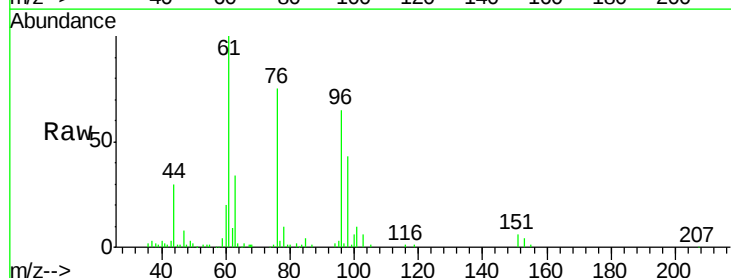
Tot Ion: 59 Resp: 15252
 Ion Ratio Lower Upper
 59 100
 57 12.6 12.5 18.7

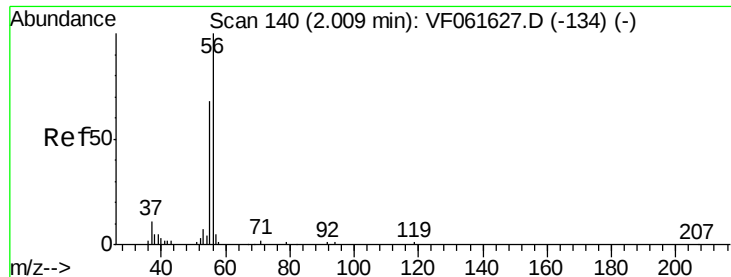


#12

1,1-Dichloroethene
 Concen: 24.018 ug/l m
 RT: 1.79 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Tgt Ion: 96 Resp: 61359
 Ion Ratio Lower Upper
 96 100
 61 152.8 122.6 184.0
 98 65.3 47.2 70.8





#13

Acrolein

Concen: 94.641 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

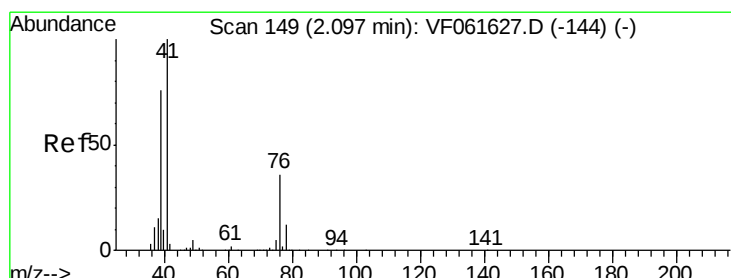
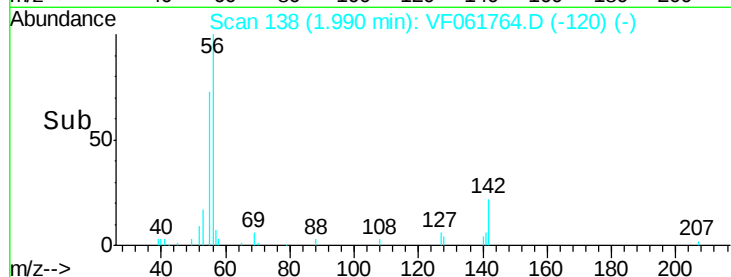
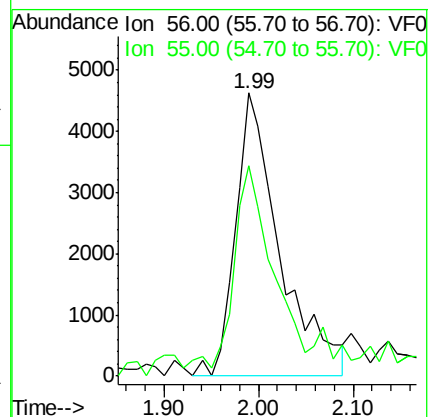
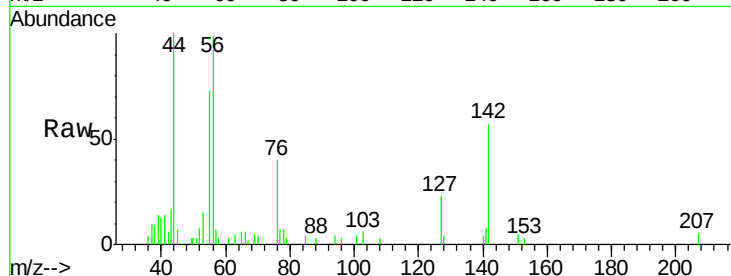
VF0227SBS01

Tot Ion: 56 Resp: 15050

Ion Ratio Lower Upper

56 100

55 74.2 55.0 82.6



#14

Allyl chloride

Concen: 19.206 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

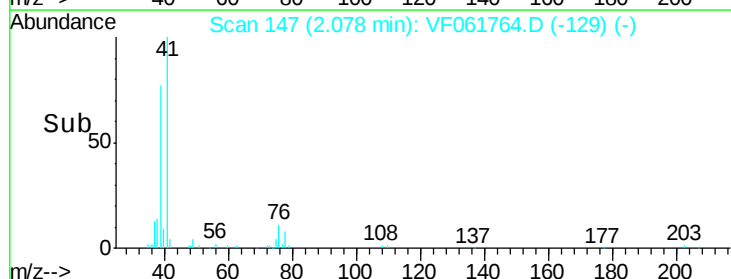
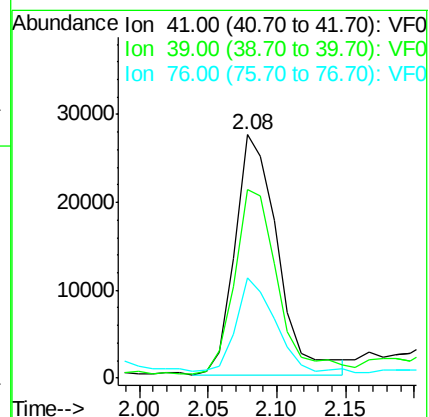
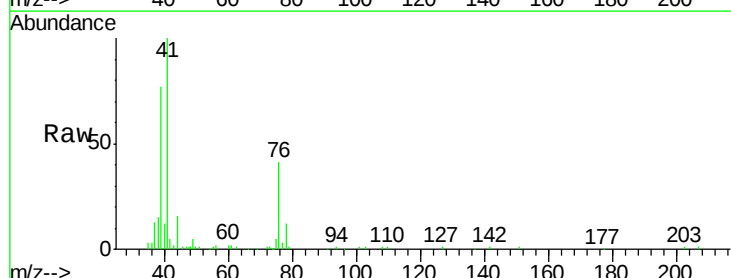
Tgt Ion: 41 Resp: 60208

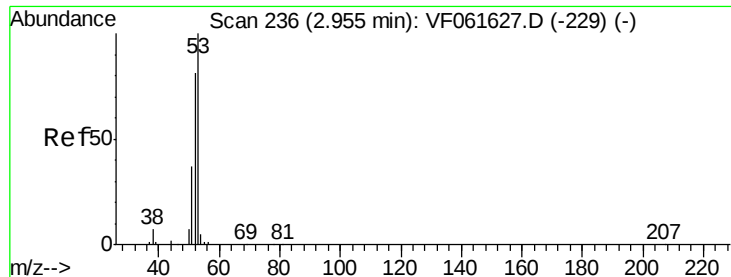
Ion Ratio Lower Upper

41 100

39 77.3 61.6 92.4

76 41.2 30.3 45.5





#15

Acrylonitrile

Concen: 94.620 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

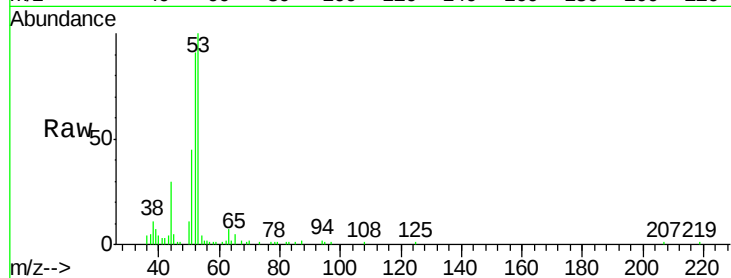
Tot Ion: 53 Resp: 42465

Ion Ratio Lower Upper

53 100

52 91.0 64.6 97.0

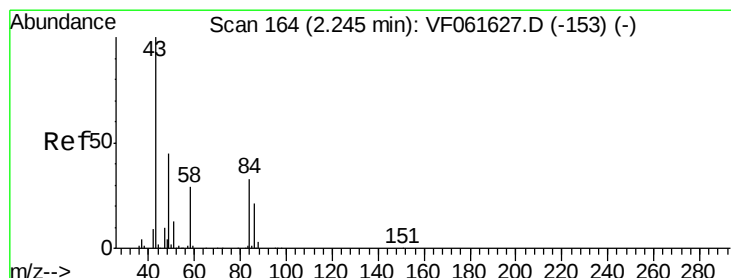
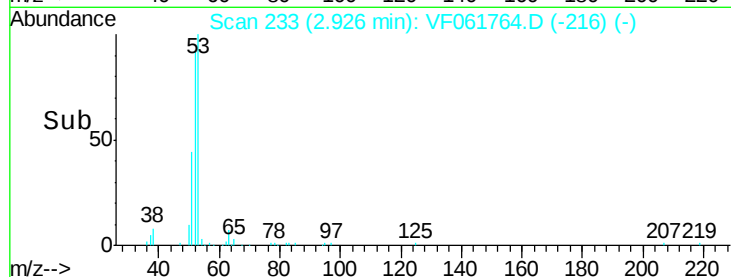
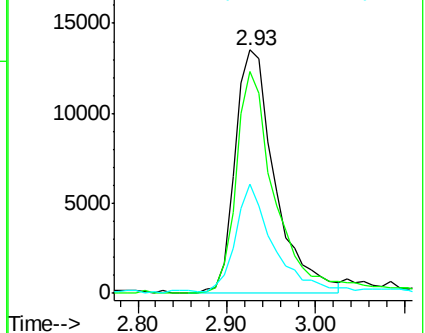
51 44.7 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 128.581 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061764.D

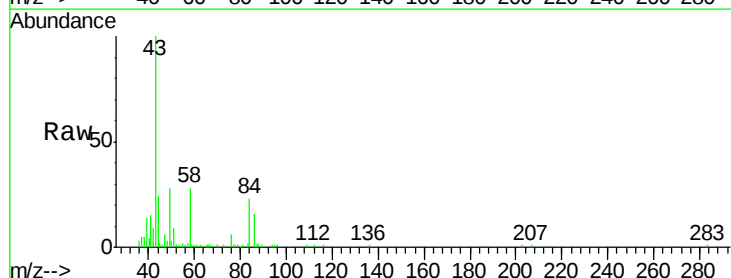
Acq: 27 Feb 2019 14:11

Tgt Ion: 43 Resp: 60314

Ion Ratio Lower Upper

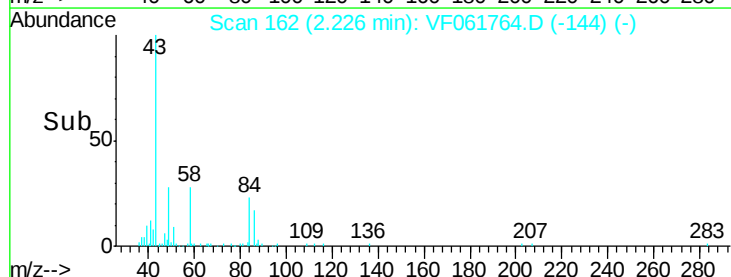
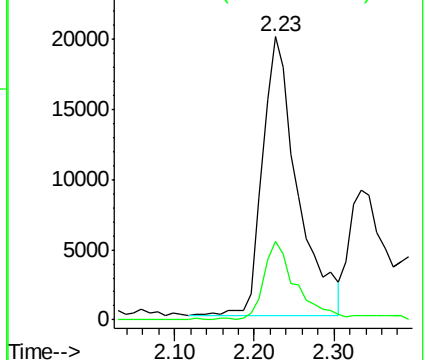
43 100

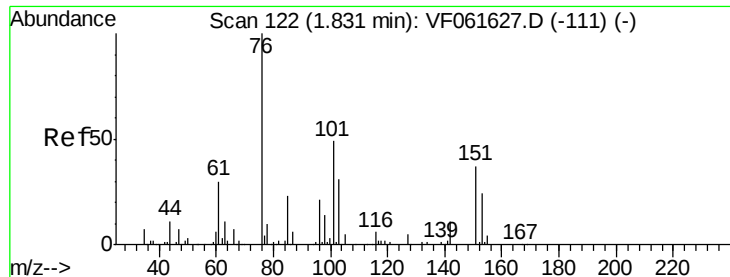
58 27.7 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

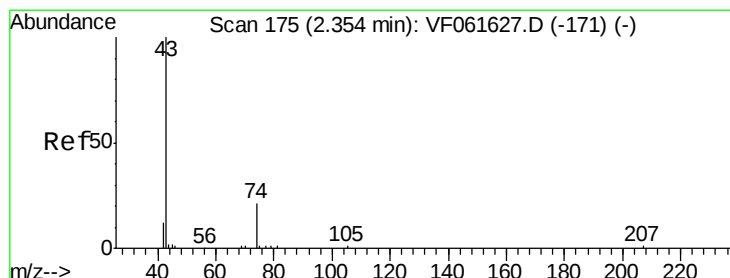
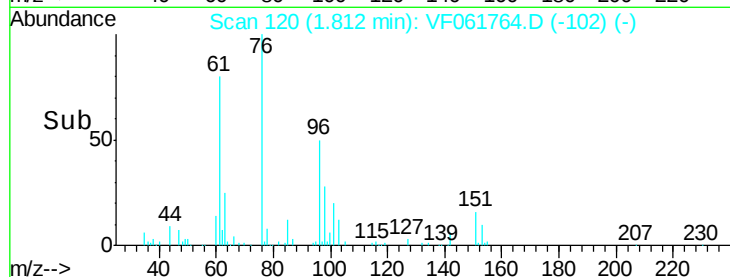
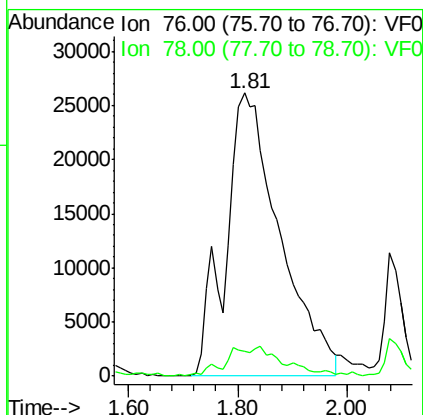
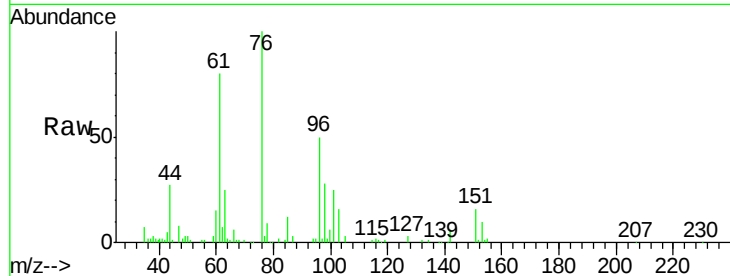




#17
Carbon Disulfide
Concen: 22.476 ug/l m
RT: 1.81 min Scan# 120
Delta R.T. -0.02 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

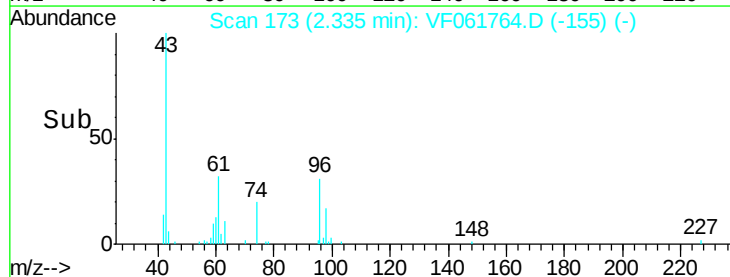
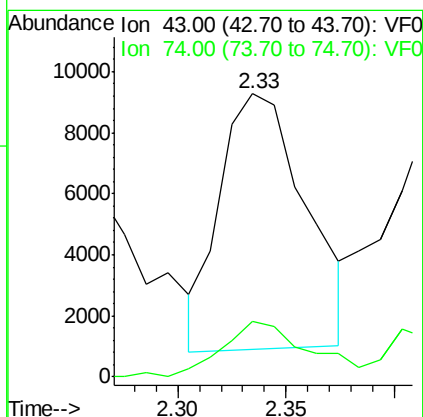
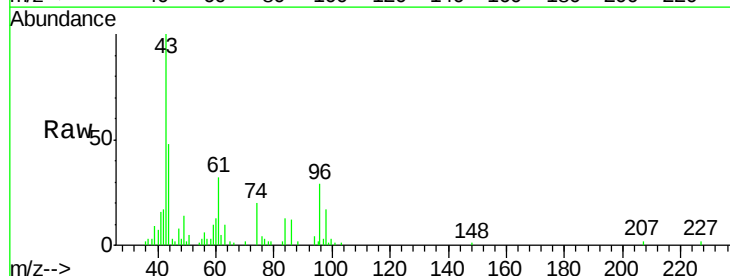
Instrument :
MSVOA_F
ClientSampleId :
VF0227SBS01

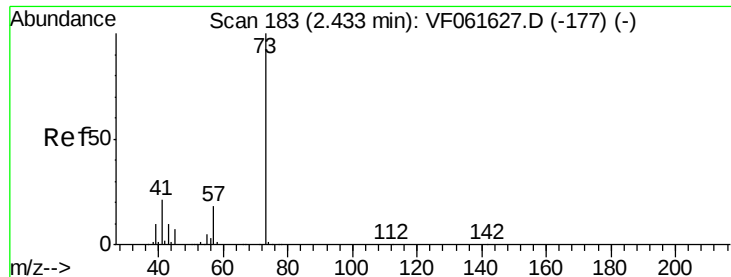
Tot Ion: 76 Resp: 180486
Ion Ratio Lower Upper
76 100
78 8.7 7.9 11.9



#18
Methyl Acetate
Concen: 21.963 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.02 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

Tgt Ion: 43 Resp: 23209
Ion Ratio Lower Upper
43 100
74 19.5 14.6 21.8



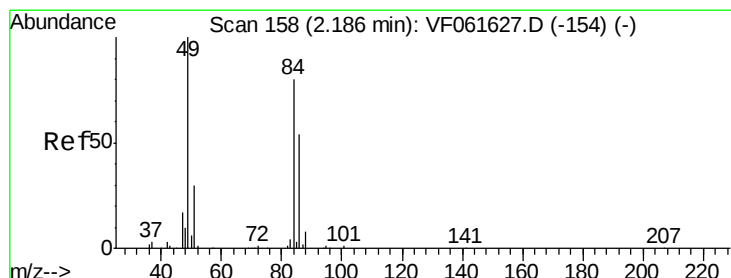
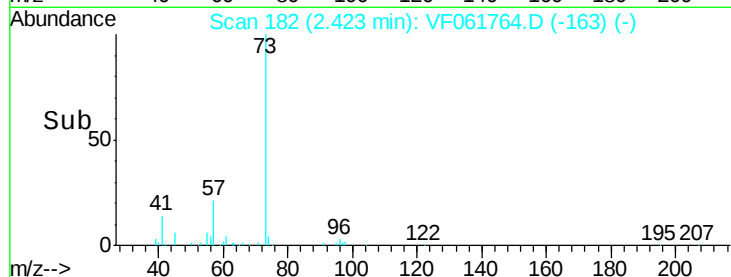
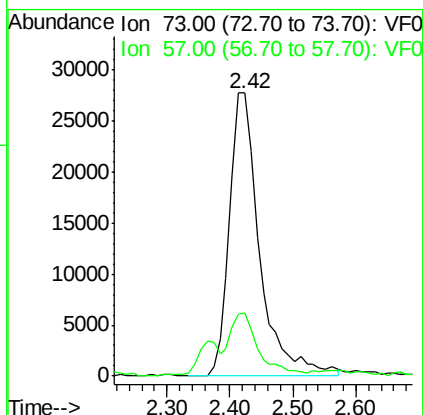
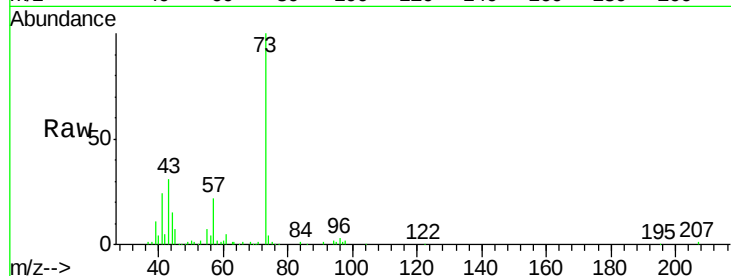


#19

Methyl tert-butyl Ether
 Concen: 21.165 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0227SBS01

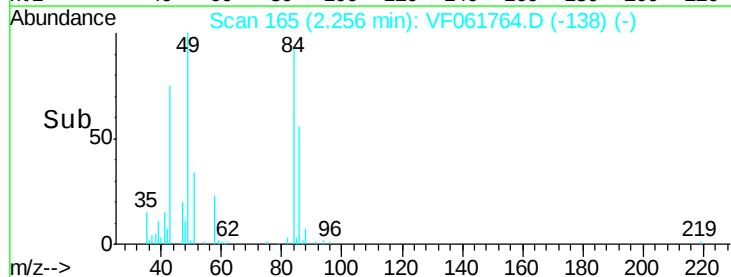
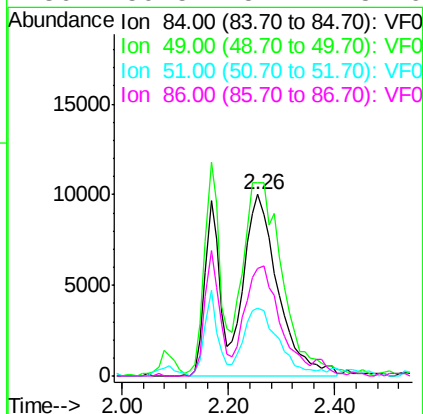
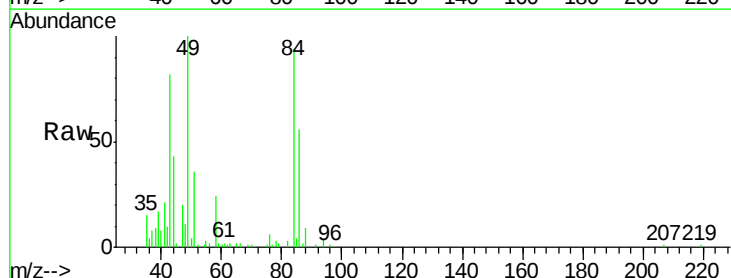
Tot Ion: 73 Resp: 92411
 Ion Ratio Lower Upper
 73 100
 57 22.1 15.8 23.8

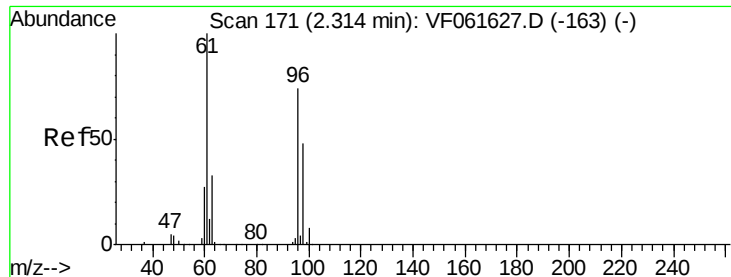


#20

Methylene Chloride
 Concen: 23.449 ug/l m
 RT: 2.26 min Scan# 165
 Delta R.T. 0.07 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Tgt Ion: 84 Resp: 62304
 Ion Ratio Lower Upper
 84 100
 49 106.2 101.8 152.8
 51 37.7 31.1 46.7
 86 59.5 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 20.513 ug/l m

RT: 2.30 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

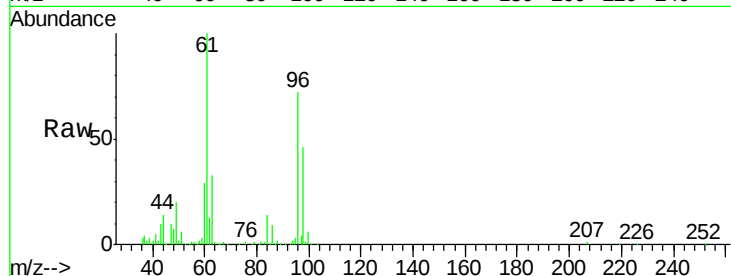
Tot Ion: 96 Resp: 56968

Ion Ratio Lower Upper

96 100

61 138.2 108.2 162.4

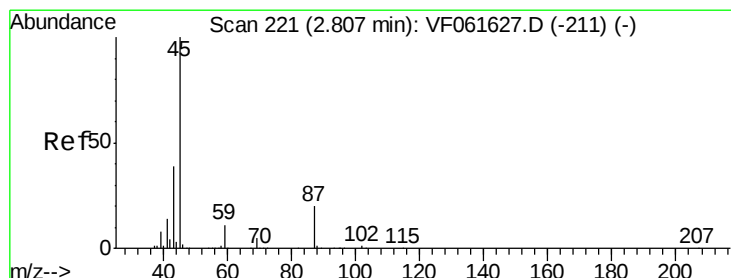
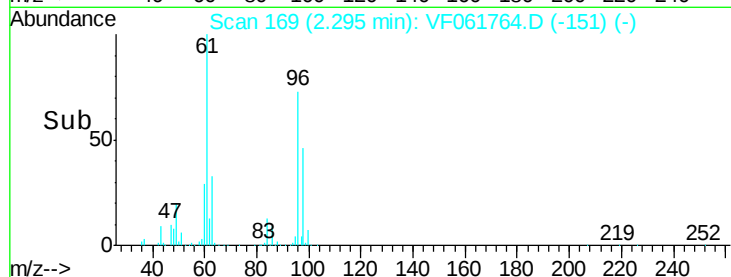
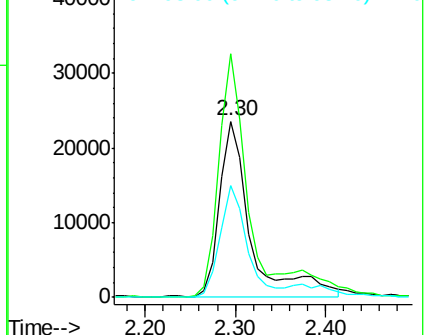
98 63.2 52.2 78.2



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: 22.717 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Tgt Ion: 45 Resp: 170949

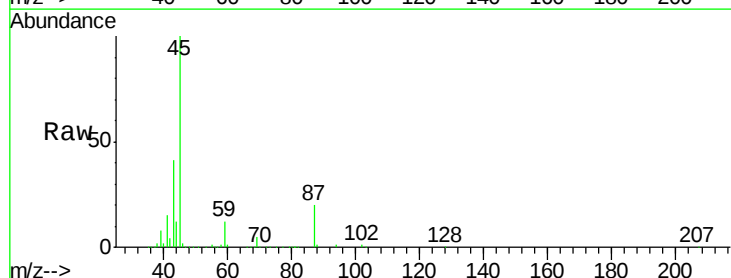
Ion Ratio Lower Upper

45 100

43 41.3 31.4 47.2

87 19.7 16.3 24.5

59 12.0 8.7 13.1

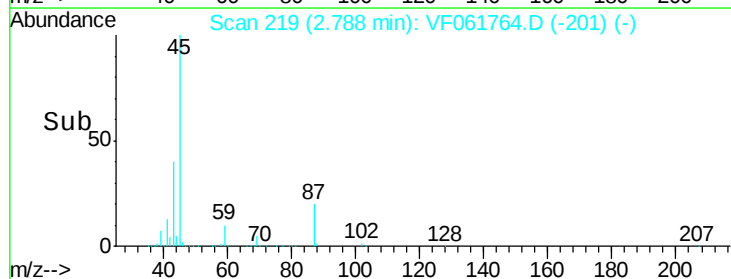
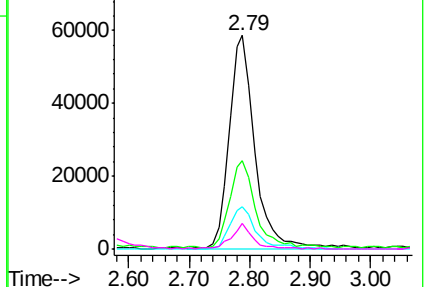


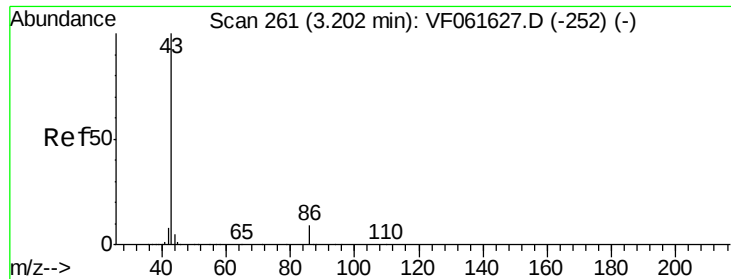
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 107.825 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

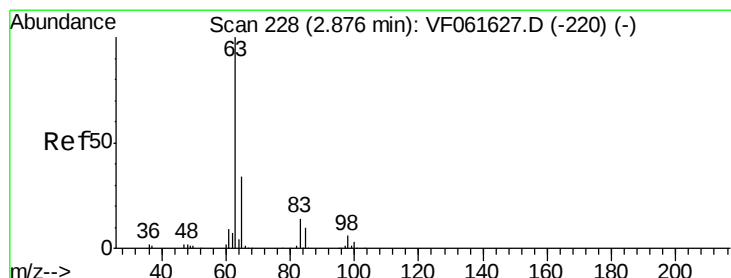
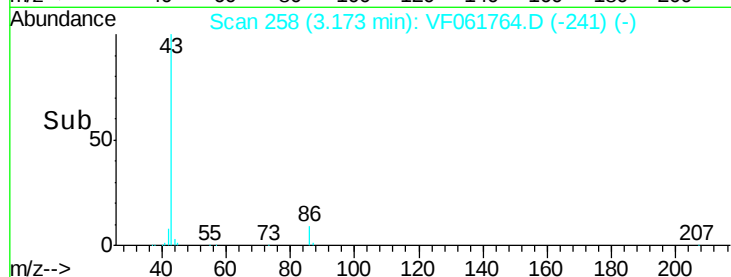
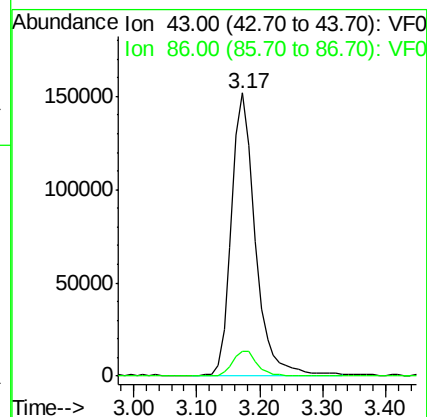
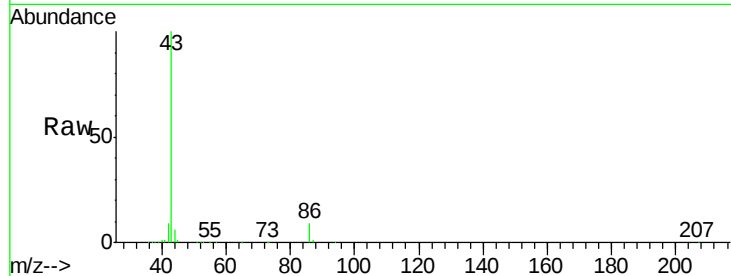
VF0227SBS01

Tot Ion: 43 Resp: 396311

Ion Ratio Lower Upper

43 100

86 8.9 7.5 11.3



#24

1,1-Dichloroethane

Concen: 21.608 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

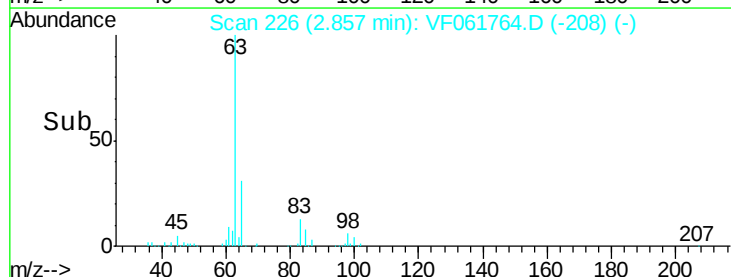
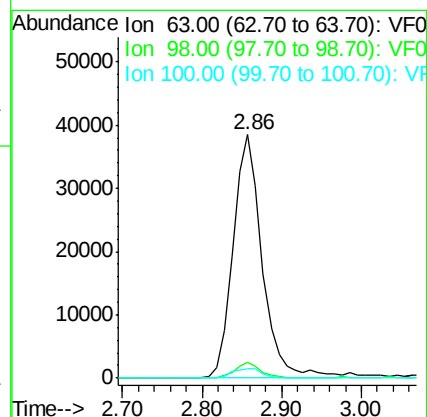
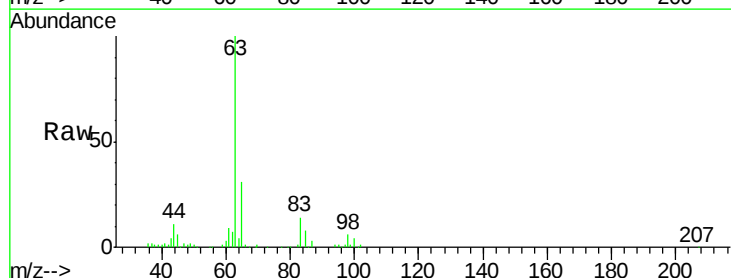
Tgt Ion: 63 Resp: 98401

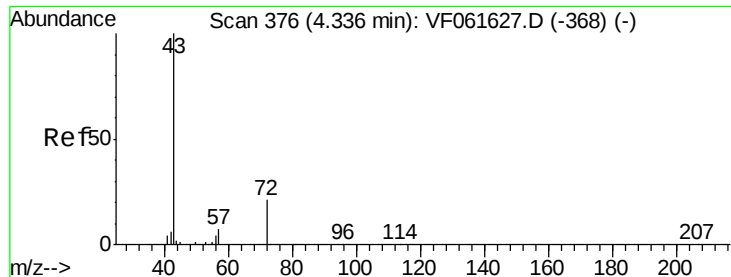
Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.3

100 4.0 1.8 5.4





#25

2-Butanone

Concen: 101.424 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

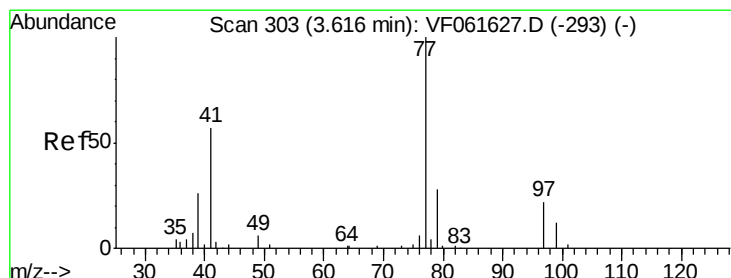
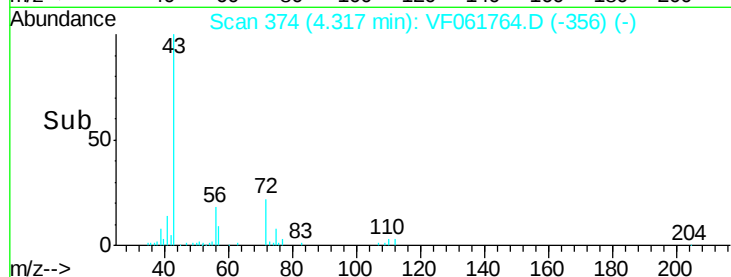
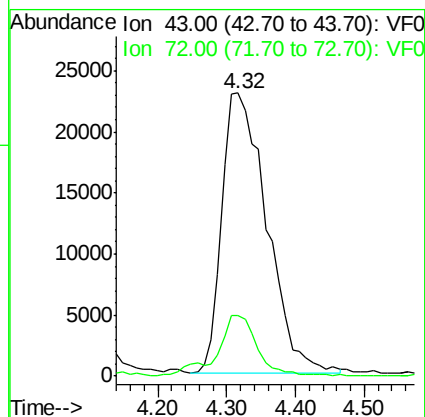
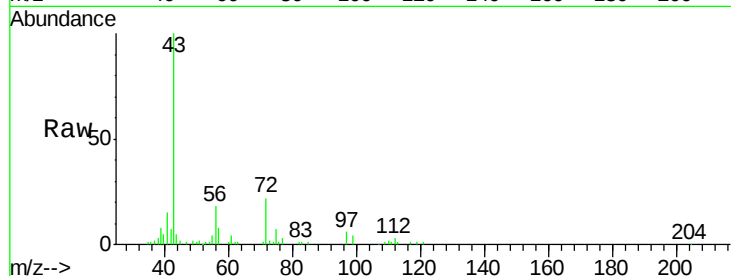
VF0227SBS01

Tot Ion: 43 Resp: 103920

Ion Ratio Lower Upper

43 100

72 21.6 17.1 25.7



#26

2,2-Dichloropropane

Concen: 22.898 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.05 min

Lab File: VF061764.D

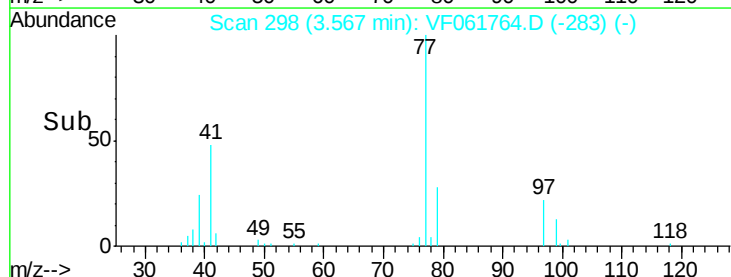
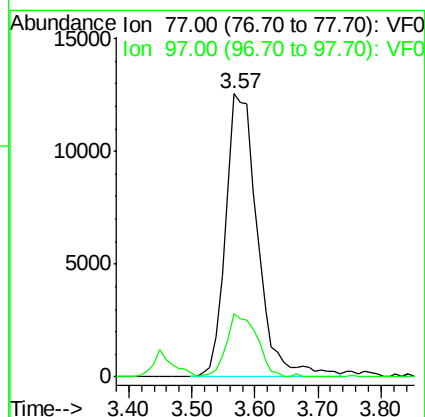
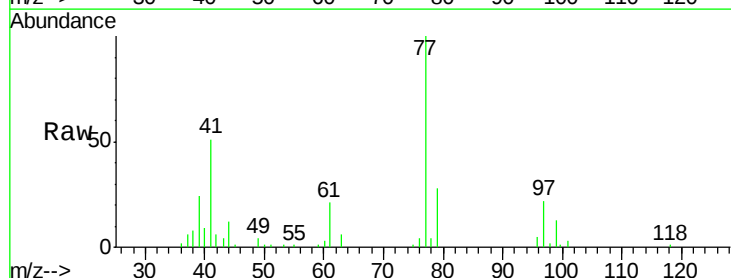
Acq: 27 Feb 2019 14:11

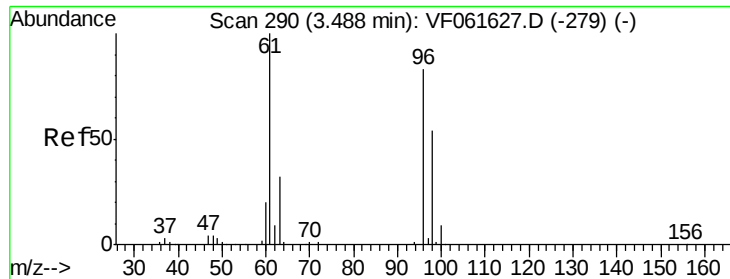
Tgt Ion: 77 Resp: 44170

Ion Ratio Lower Upper

77 100

97 22.4 11.7 35.0



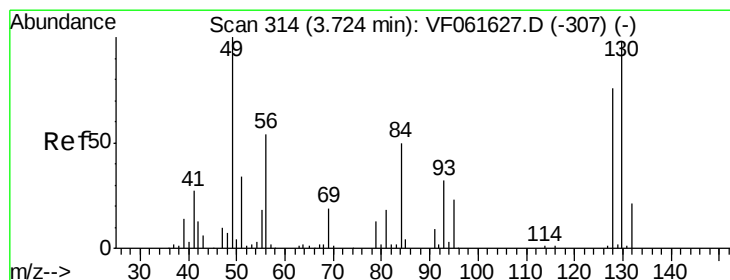
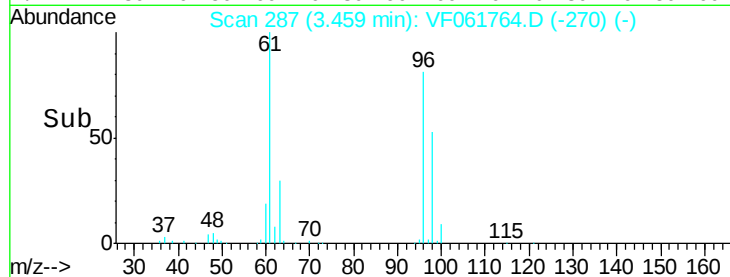
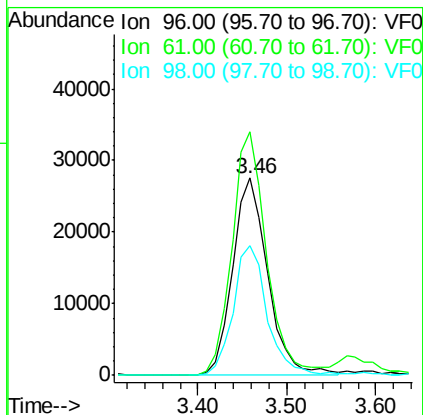
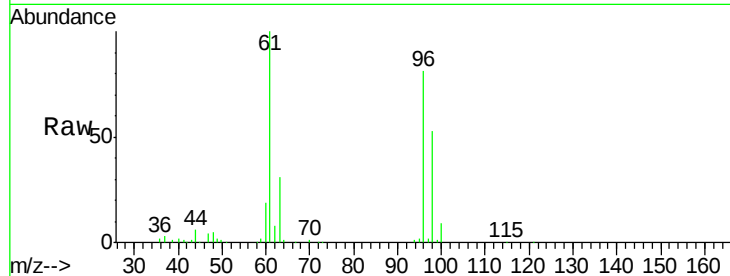


#27

cis-1,2-Dichloroethene
Concen: 20.826 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.03 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

Instrument :
MSVOA_F
ClientSampleId :
VF0227SBS01

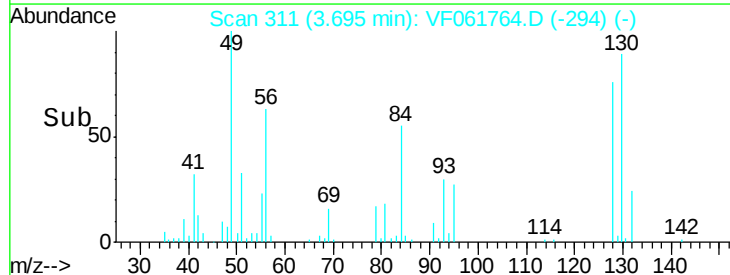
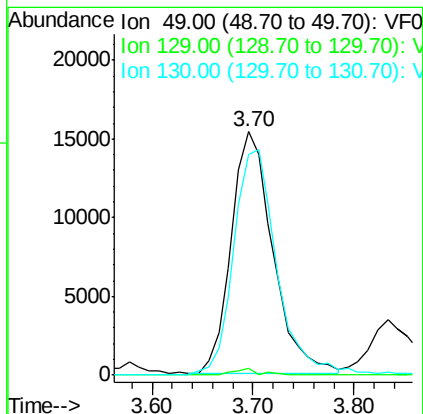
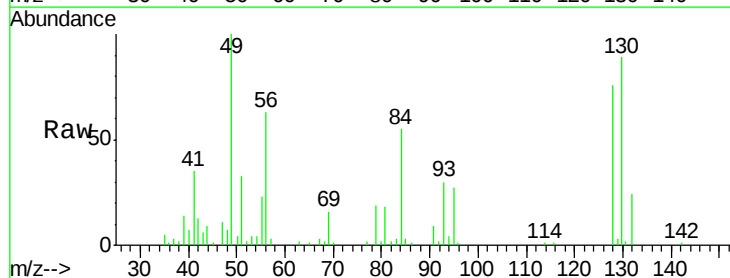
Tot Ion: 96 Resp: 75917
Ion Ratio Lower Upper
96 100
61 123.3 0.0 241.6
98 65.8 0.0 130.2

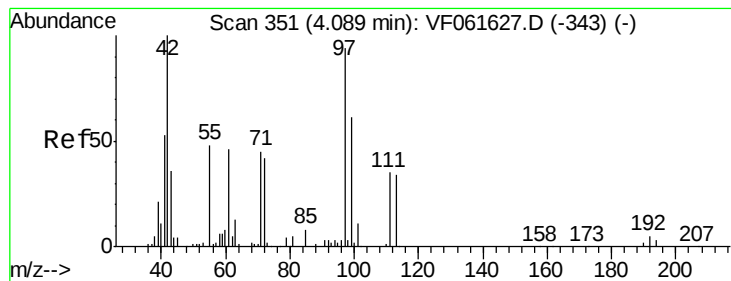


#28

Bromochloromethane
Concen: 20.136 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.03 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

Tgt Ion: 49 Resp: 43999
Ion Ratio Lower Upper
49 100
129 2.9 0.0 3.4
130 90.7 77.7 116.5





#29

Tetrahydrofuran

Concen: 97.618 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

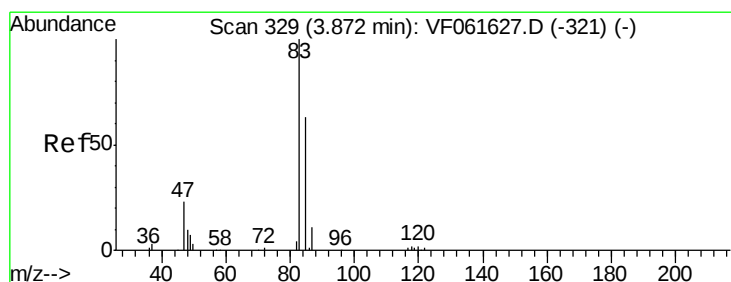
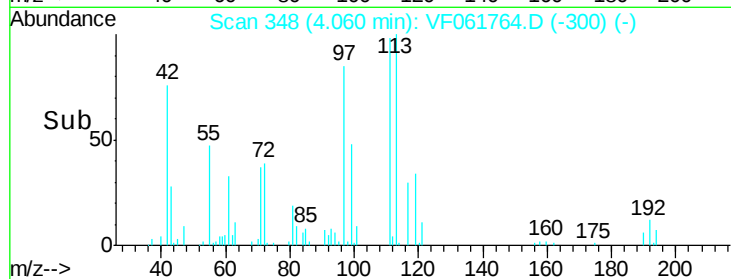
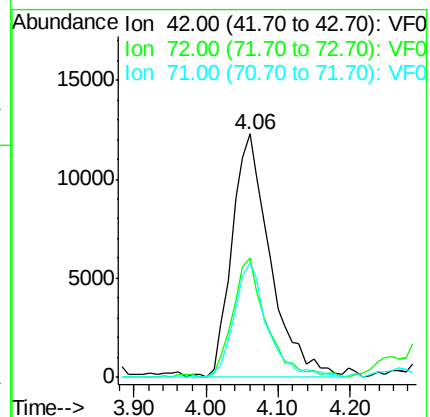
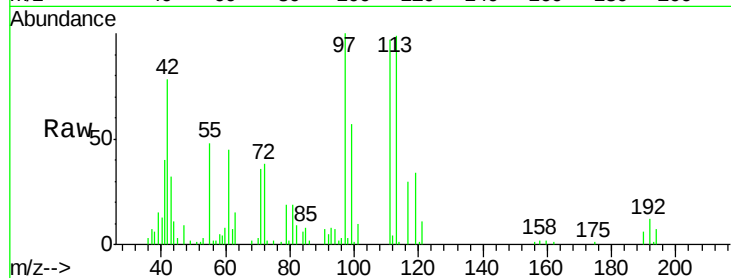
Tot Ion: 42 Resp: 45460

Ion Ratio Lower Upper

42 100

72 43.1 35.2 52.8

71 41.0 32.9 49.3



#30

Chloroform

Concen: 23.262 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.03 min

Lab File: VF061764.D

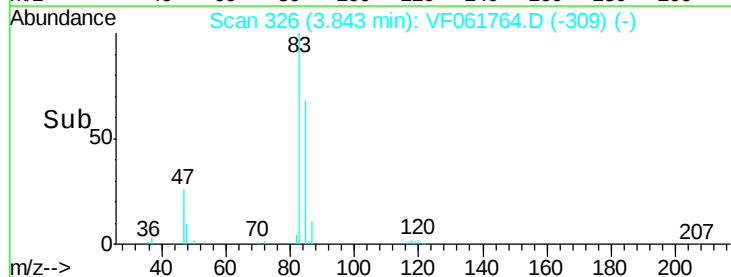
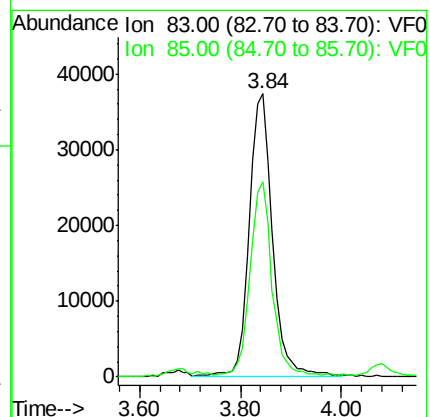
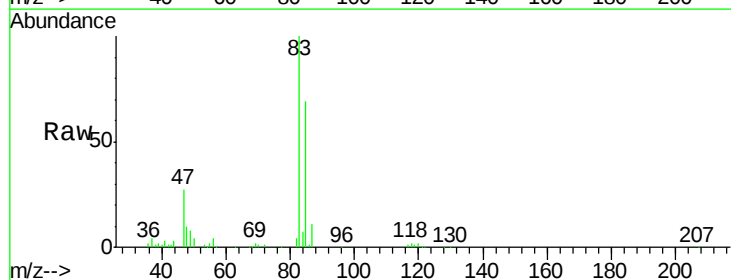
Acq: 27 Feb 2019 14:11

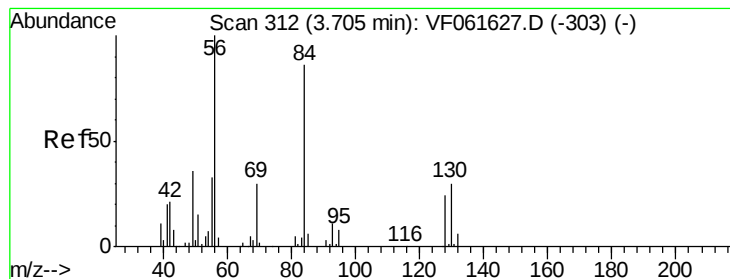
Tgt Ion: 83 Resp: 120472

Ion Ratio Lower Upper

83 100

85 69.1 51.1 76.7





#31

Cyclohexane

Concen: 21.357 ug/l m

RT: 3.67 min Scan# 308

Delta R.T. -0.04 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

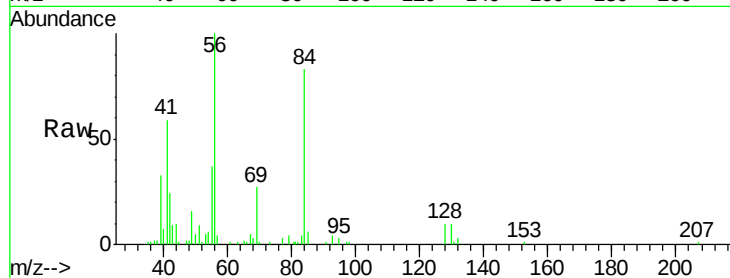
Tot Ion: 56 Resp: 105287

Ion Ratio Lower Upper

56 100

69 27.0 23.8 35.8

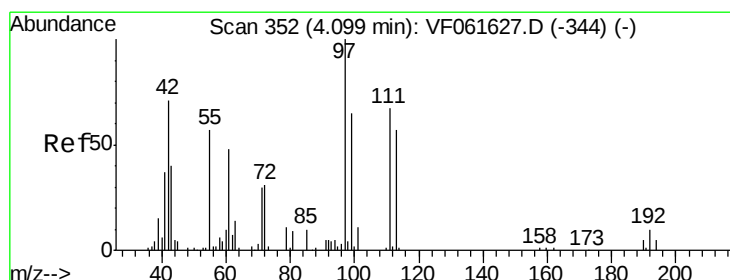
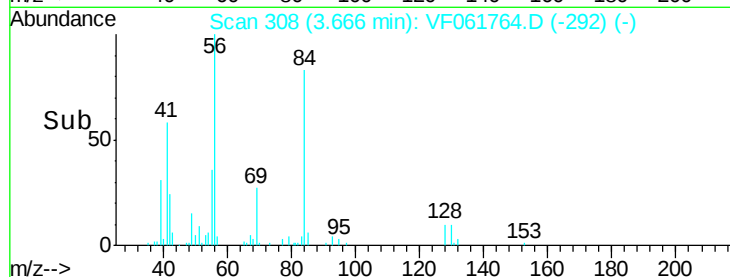
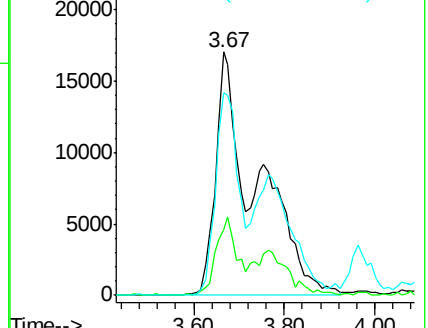
84 83.0 68.6 103.0



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: 18.501 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

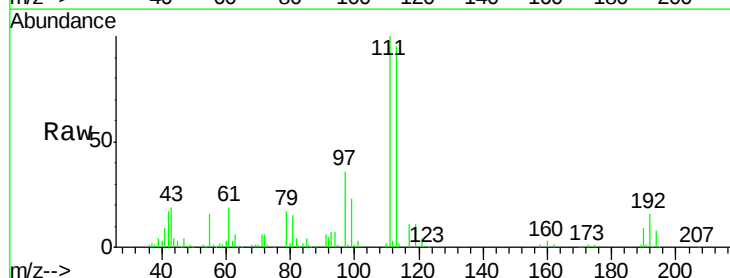
Tgt Ion: 97 Resp: 62765

Ion Ratio Lower Upper

97 100

99 63.2 52.2 78.2

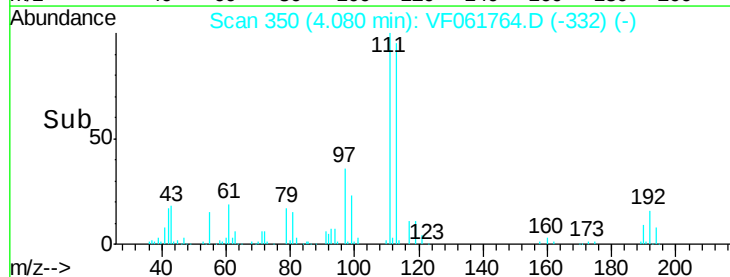
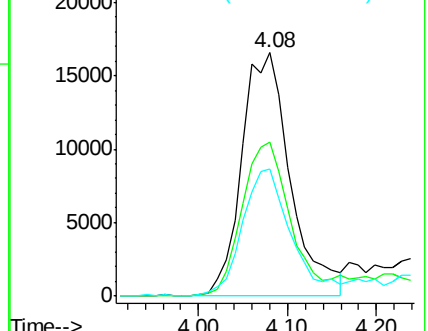
61 52.3 39.2 58.8

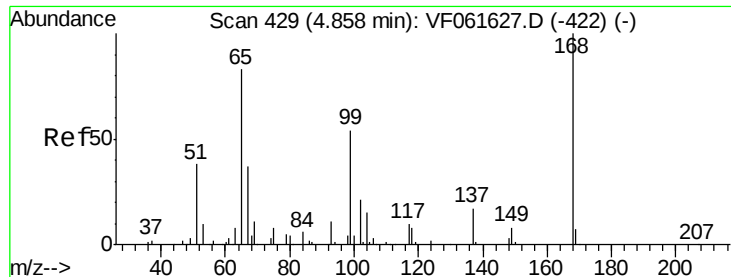


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

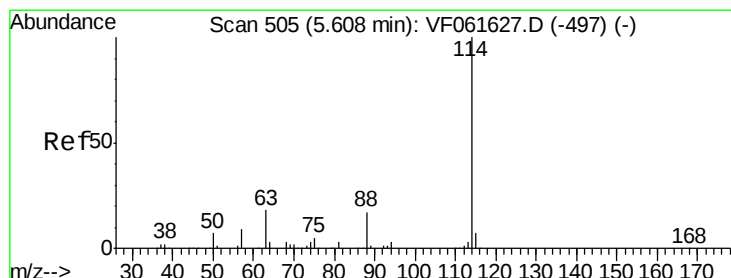
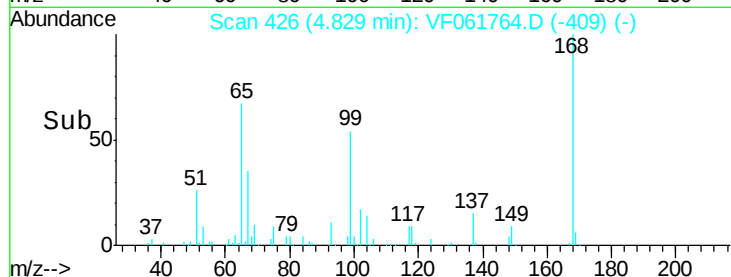
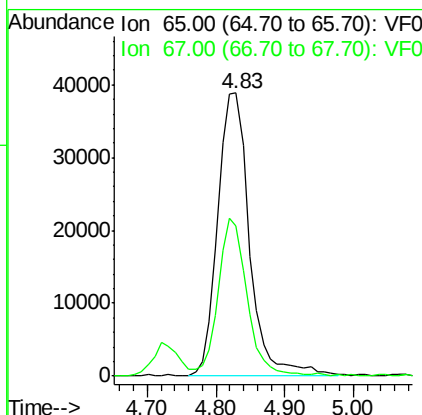
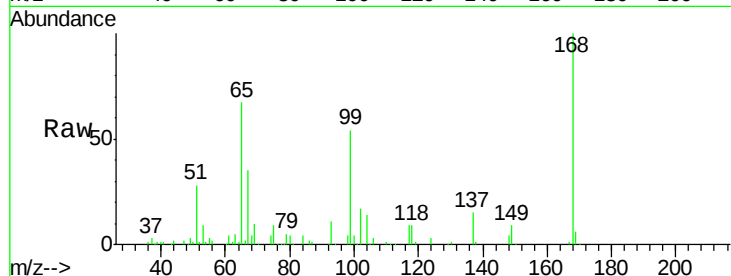




#33
 1,2-Dichloroethane-d4
 Concen: 57.118 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

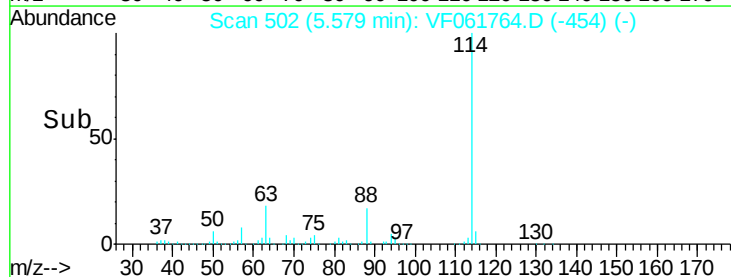
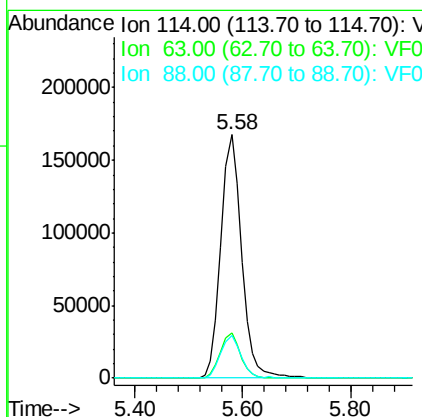
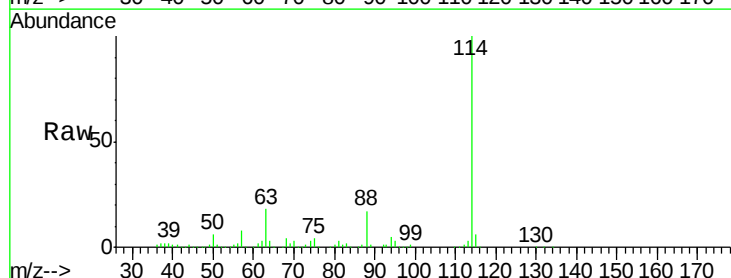
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0227SBS01

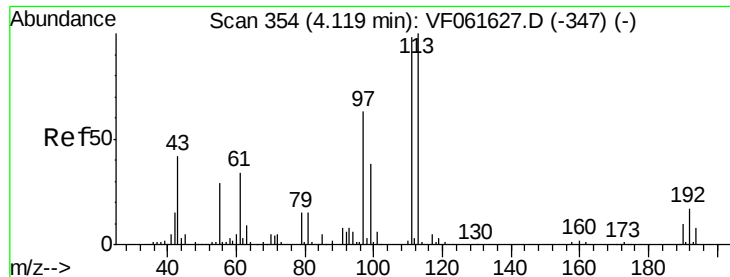
Tot Ion: 65 Resp: 124876
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Tgt Ion: 114 Resp: 449588
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.6
 88 17.5 0.0 34.4

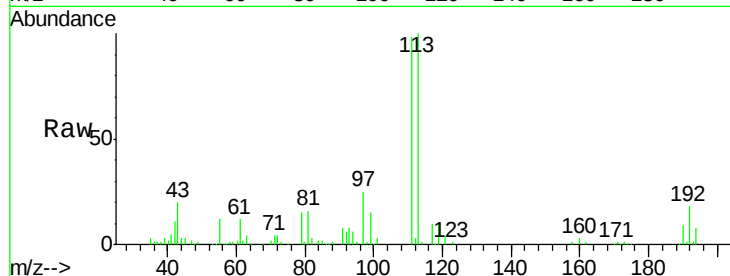




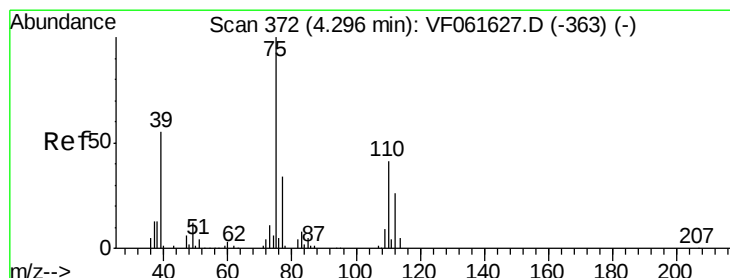
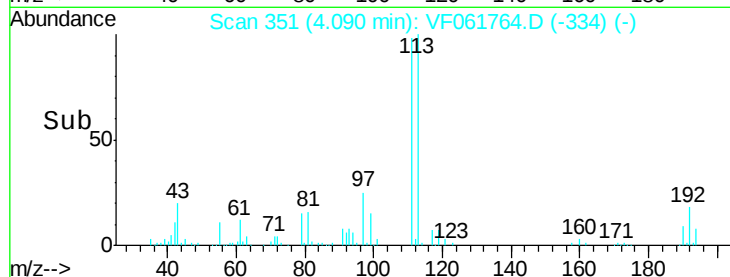
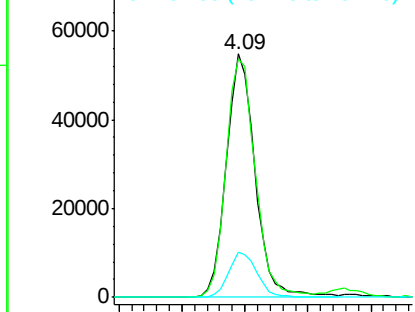
#35
 Dibromofluoromethane
 Concen: 51.784 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0227SBS01

Tot Ion:113 Resp: 172890
 Ion Ratio Lower Upper
 113 100
 111 98.1 78.8 118.2
 192 18.4 13.4 20.0

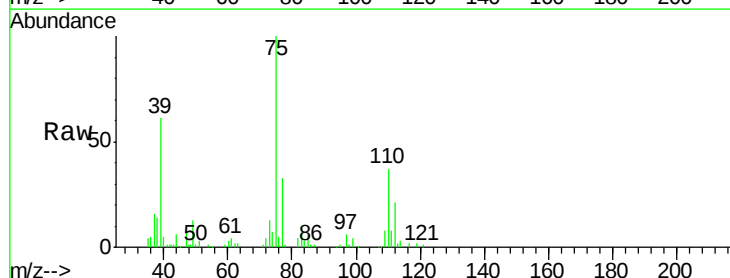


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

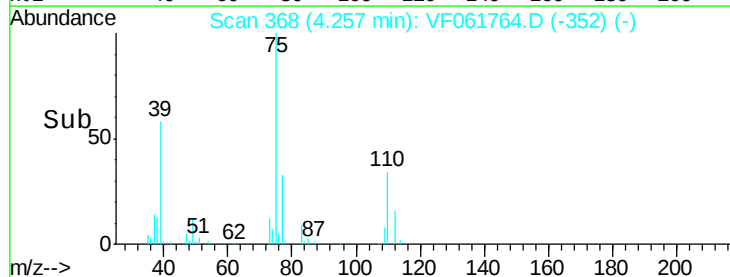
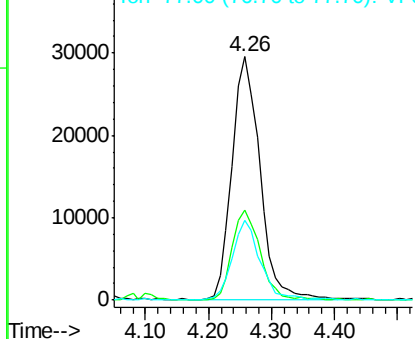


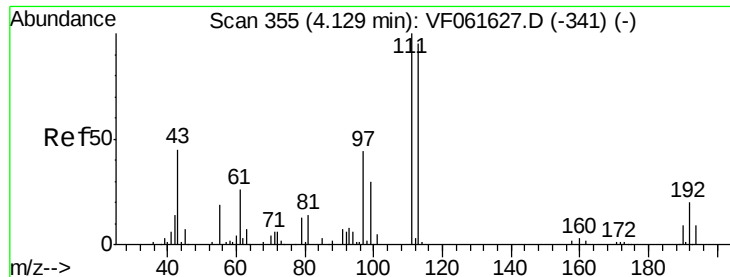
#36
 1,1-Dichloropropene
 Concen: 20.515 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.04 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Tgt Ion: 75 Resp: 91369
 Ion Ratio Lower Upper
 75 100
 110 36.9 20.5 61.6
 77 32.9 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

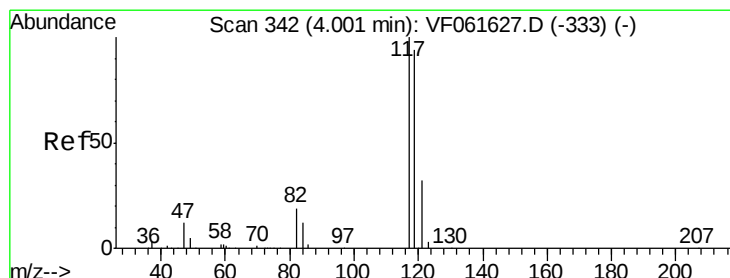
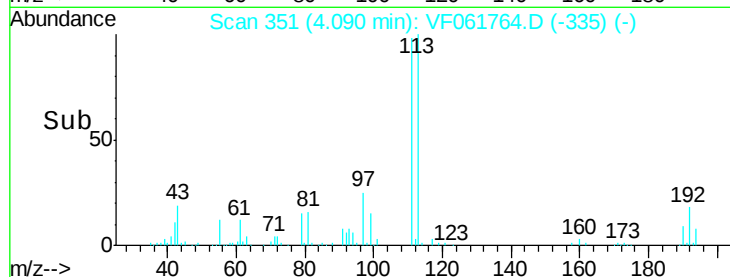
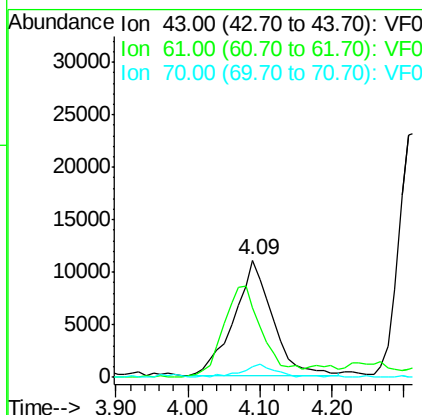
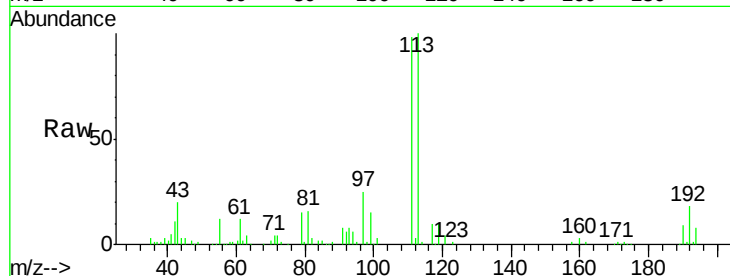




#37
Ethyl Acetate
Concen: 19.926 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.04 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

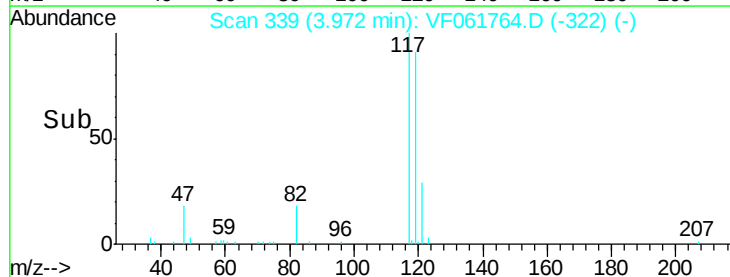
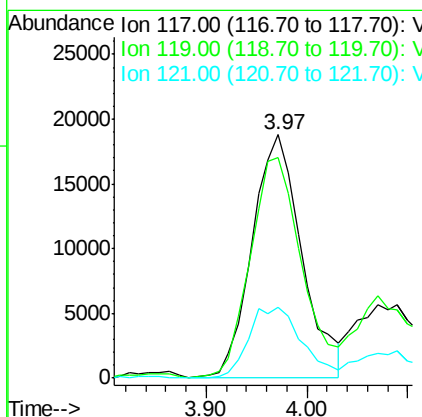
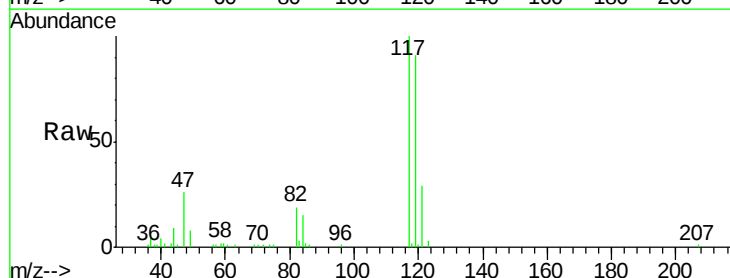
Instrument :
MSVOA_F
ClientSampleId :
VF0227SBS01

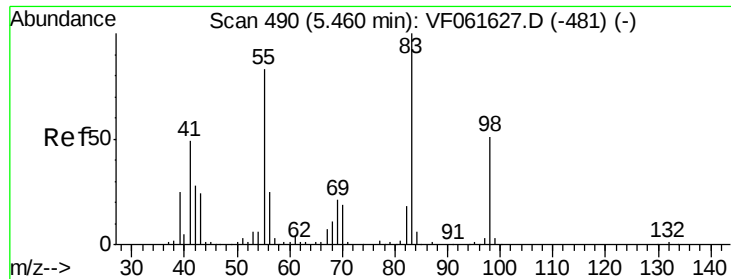
Tot Ion: 43 Resp: 41220
Ion Ratio Lower Upper
43 100
61 59.7 45.7 68.5
70 9.5 8.5 12.7



#38
Carbon Tetrachloride
Concen: 21.028 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.03 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

Tgt Ion: 117 Resp: 64668
Ion Ratio Lower Upper
117 100
119 90.8 75.6 113.4
121 29.0 25.2 37.8

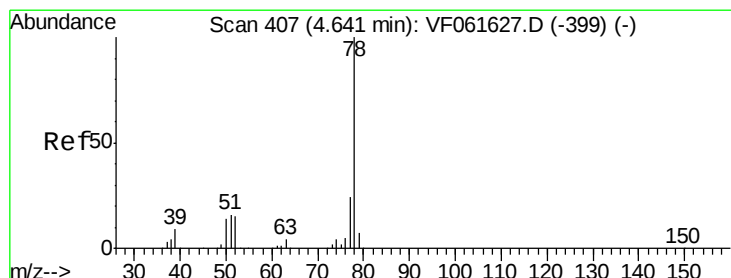
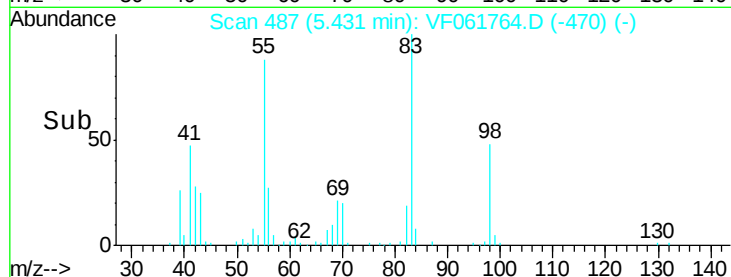
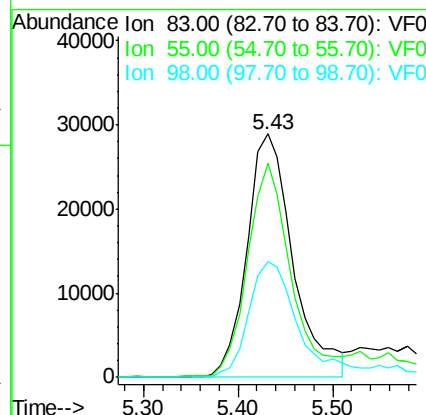
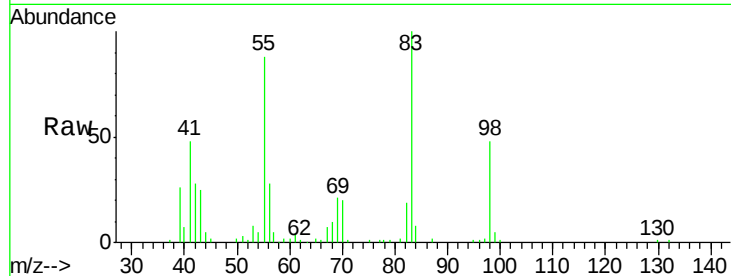




#39
Methvlcvclohexane
Concen: 18.661 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.03 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

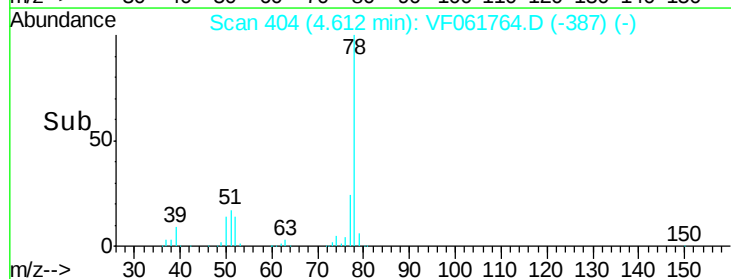
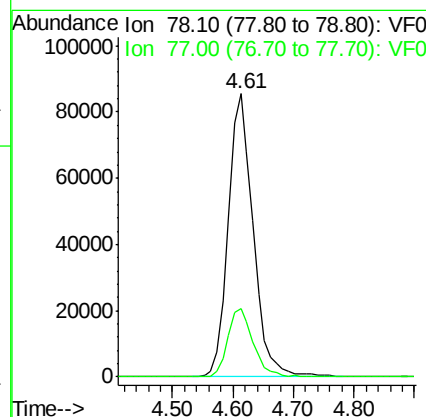
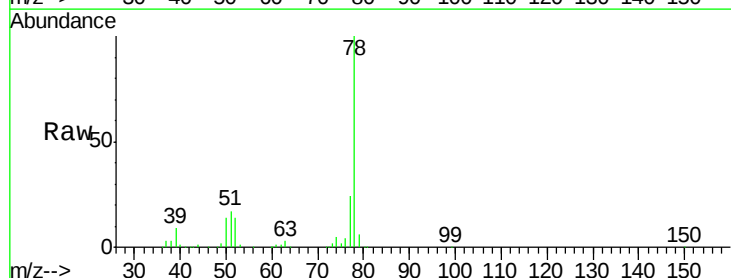
Instrument :
MSVOA_F
ClientSampleId :
VF0227SBS01

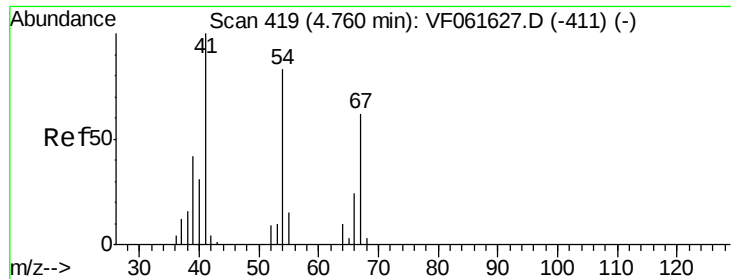
Tot Ion: 83 Resp: 98291
Ion Ratio Lower Upper
83 100
55 87.8 66.6 99.8
98 47.7 40.4 60.6



#40
Benzene
Concen: 21.033 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.03 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

Tgt Ion: 78 Resp: 245025
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6





#41

Methacrylonitrile

Concen: 20.772 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

Tot Ion: 41 Resp: 21975

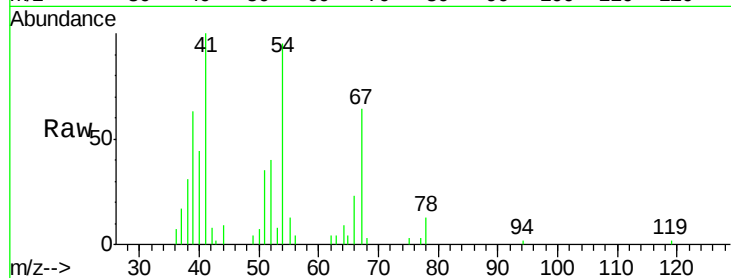
Ion Ratio Lower Upper

41 100

39 63.2 45.3 67.9

67 63.9 49.3 73.9

52 40.4 32.6 49.0

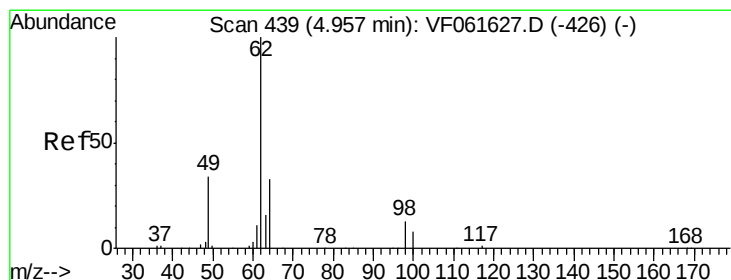
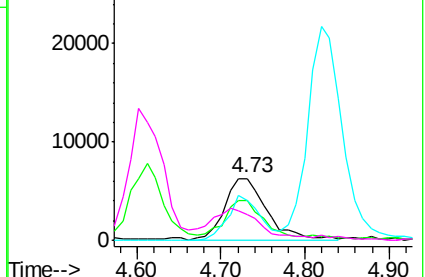
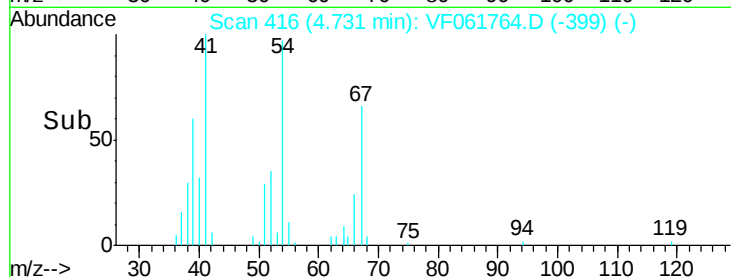


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 21.268 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.04 min

Lab File: VF061764.D

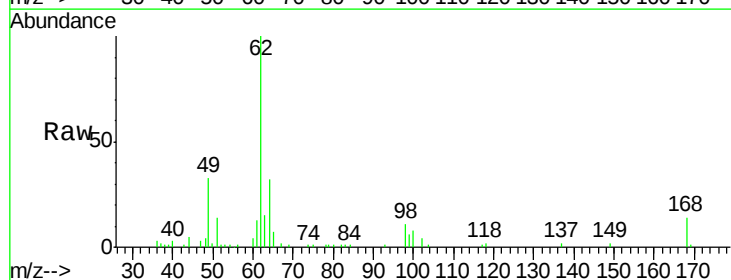
Acq: 27 Feb 2019 14:11

Tgt Ion: 62 Resp: 59264

Ion Ratio Lower Upper

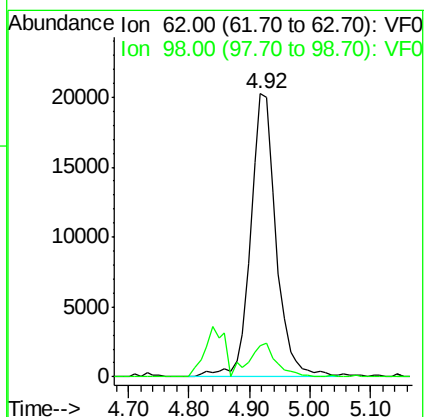
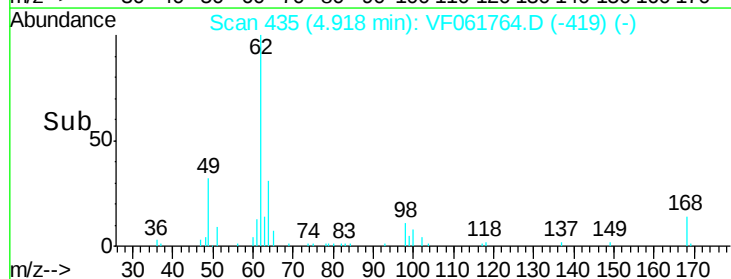
62 100

98 10.9 0.0 26.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



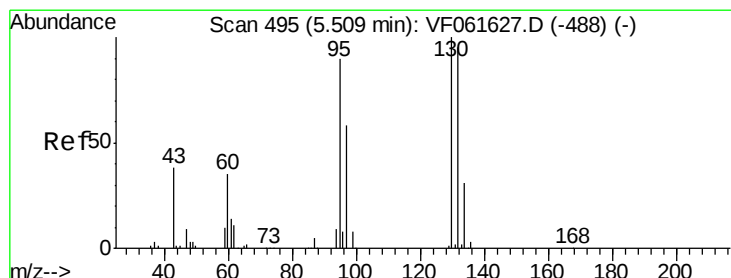
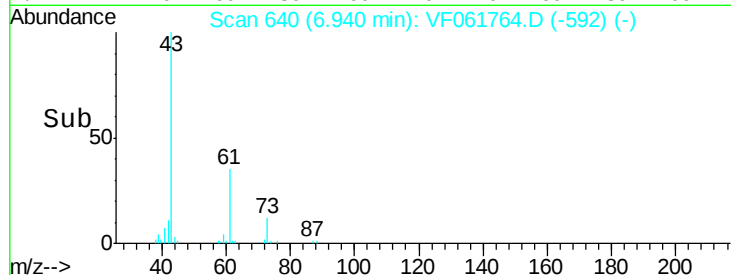
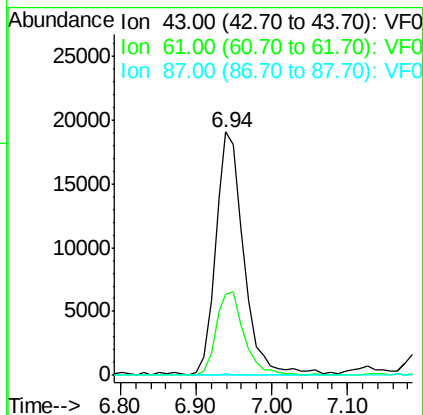
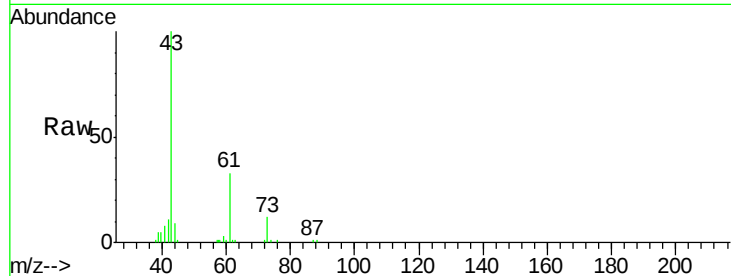


#43

Isopropyl Acetate
 Concen: 20.199 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.03 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0227SBS01

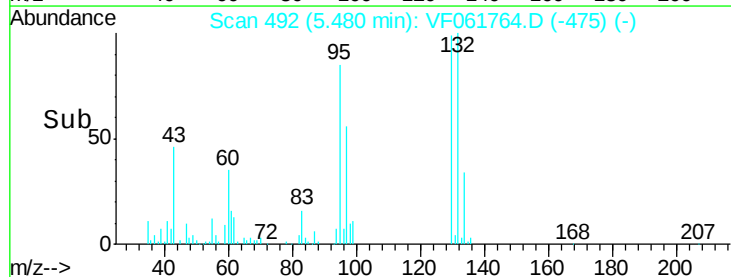
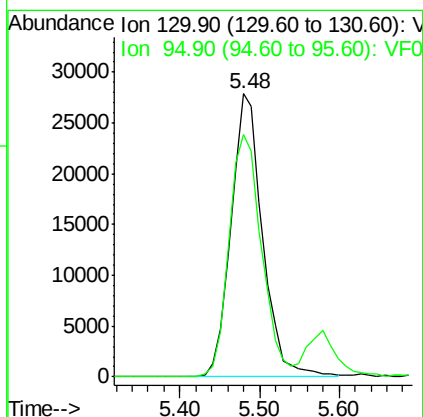
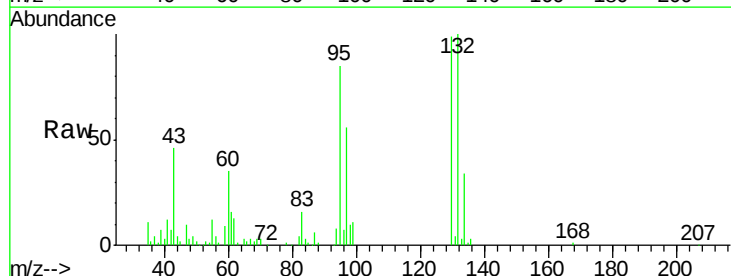
Tot Ion: 43 Resp: 49460
 Ion Ratio Lower Upper
 43 100
 61 33.3 25.8 38.6
 87 0.9 0.4 0.6#

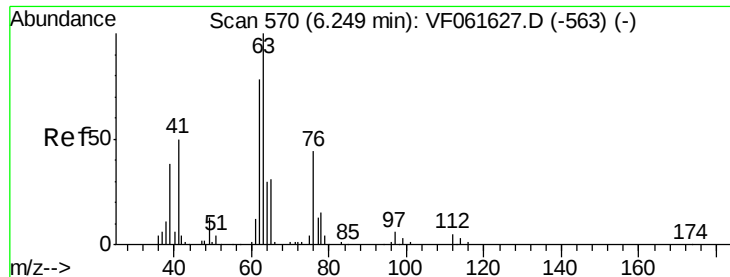


#44

Trichloroethene
 Concen: 20.392 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.03 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Tgt Ion: 130 Resp: 76821
 Ion Ratio Lower Upper
 130 100
 95 85.7 0.0 179.4





#45

1,2-Dichloropropane

Concen: 20.145 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

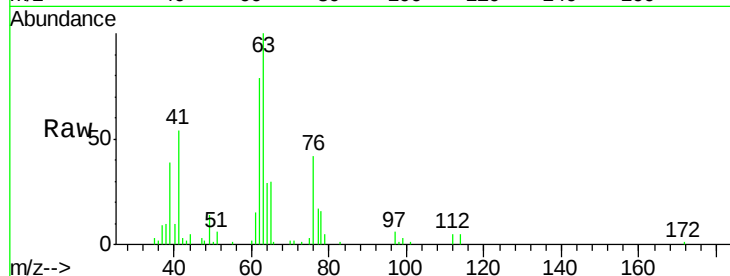
VF0227SBS01

Tot Ion: 63 Resp: 56725

Ion Ratio Lower Upper

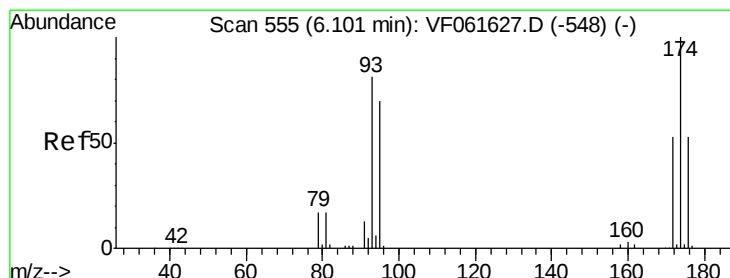
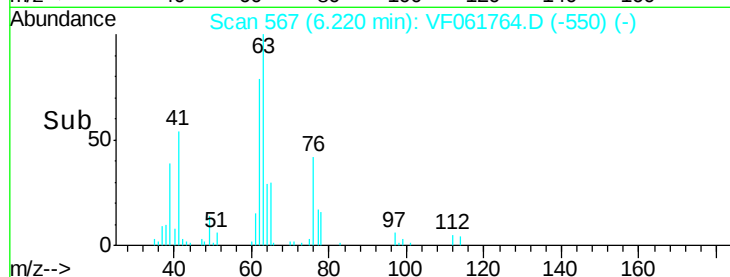
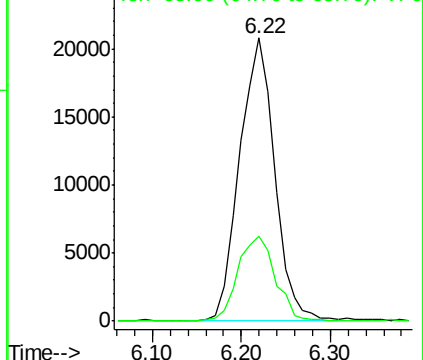
63 100

65 29.9 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 20.237 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.04 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

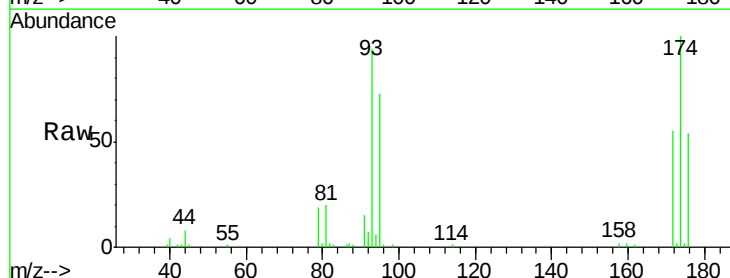
Tgt Ion: 93 Resp: 35086

Ion Ratio Lower Upper

93 100

95 77.1 69.0 103.6

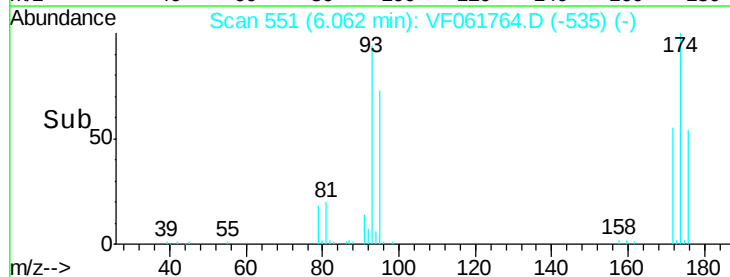
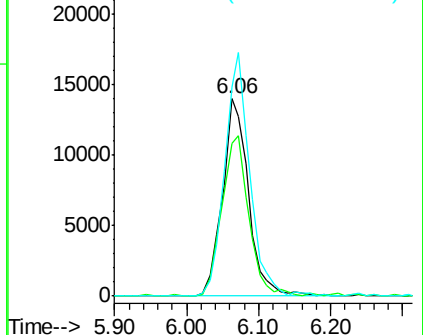
174 105.8 99.3 148.9

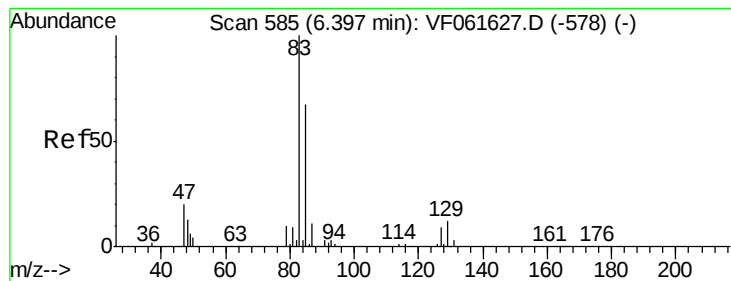


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.474 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

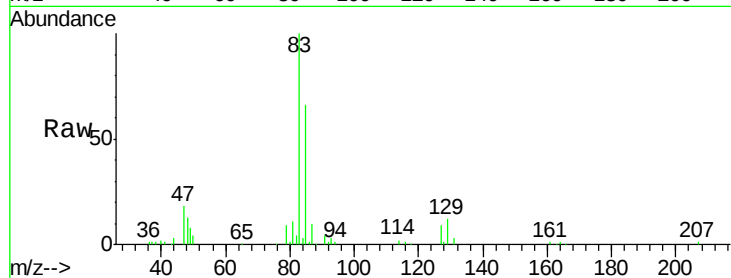
Tot Ion: 83 Resp: 81532

Ion Ratio Lower Upper

83 100

85 65.8 53.4 80.2

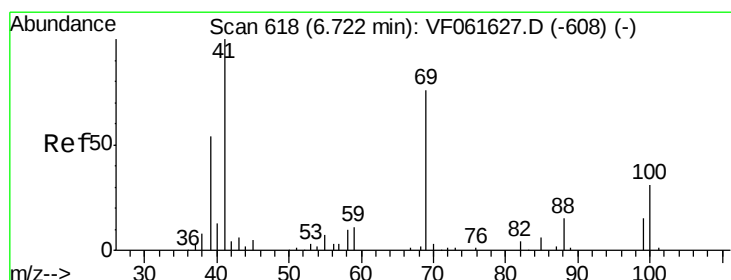
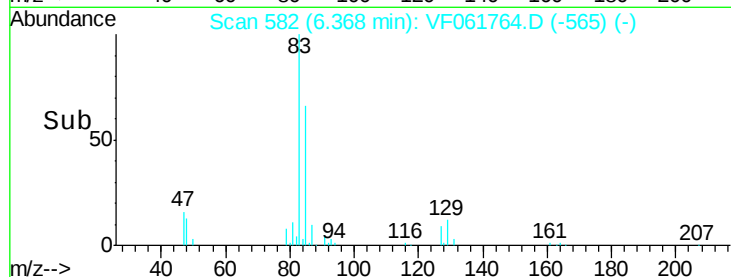
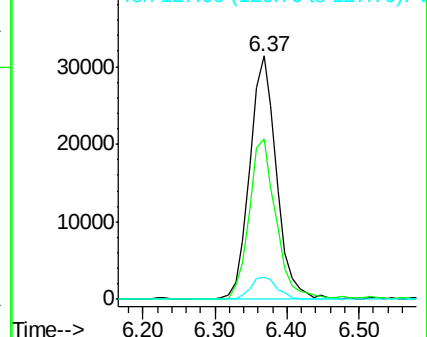
127 9.2 7.5 11.3



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): VF0



#48

Methyl methacrylate

Concen: 19.126 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

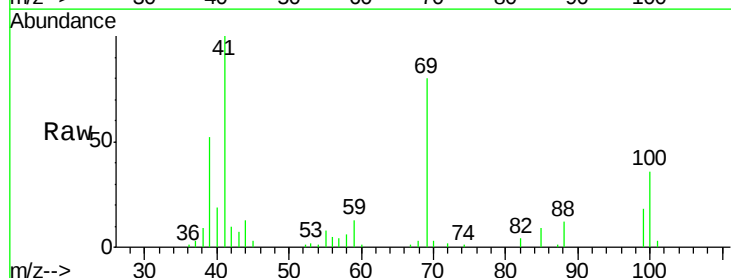
Tgt Ion: 41 Resp: 28184

Ion Ratio Lower Upper

41 100

69 79.5 60.4 90.6

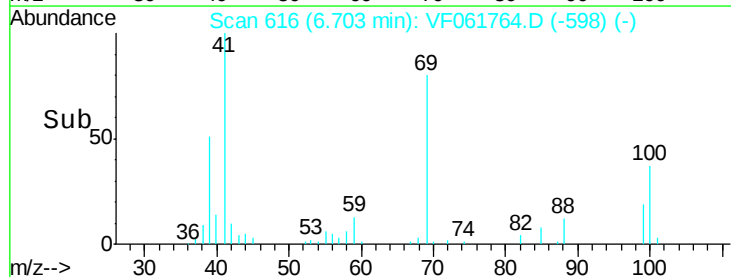
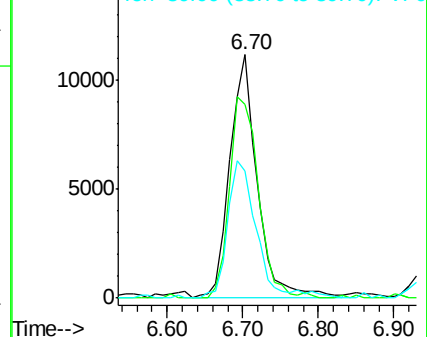
39 52.1 43.7 65.5

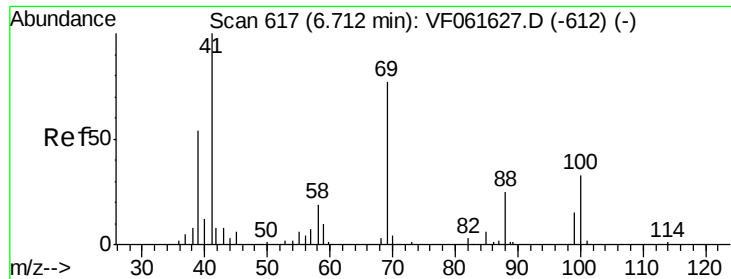


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 413.292 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

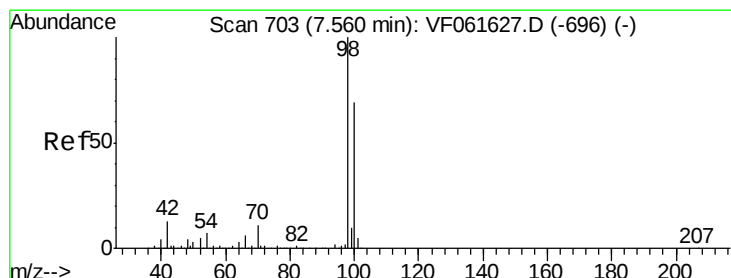
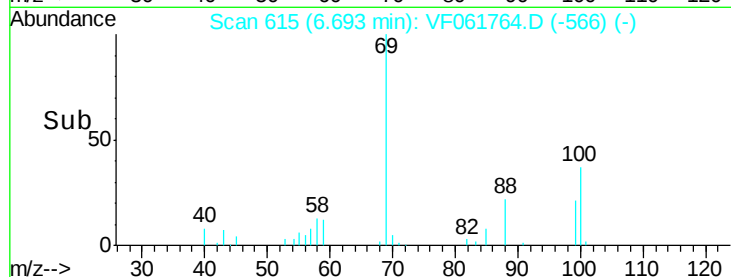
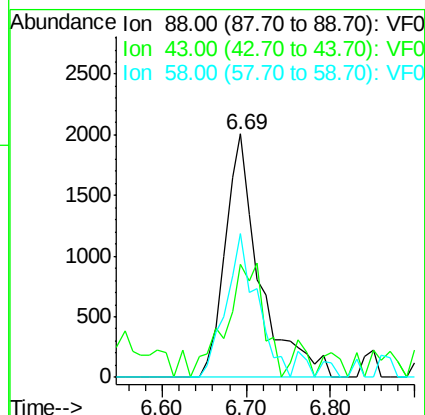
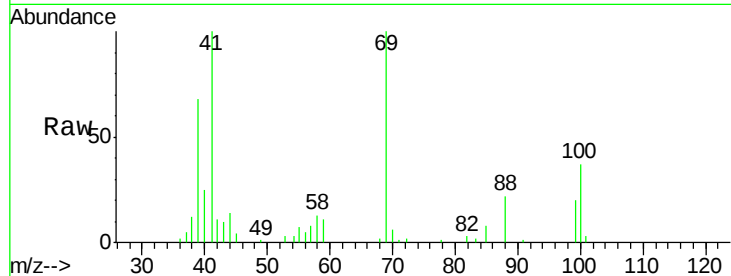
Tot Ion: 88 Resp: 5725

Ion Ratio Lower Upper

88 100

43 46.6 32.3 48.5

58 59.0 59.4 89.2#



#50

Toluene-d8

Concen: 51.036 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061764.D

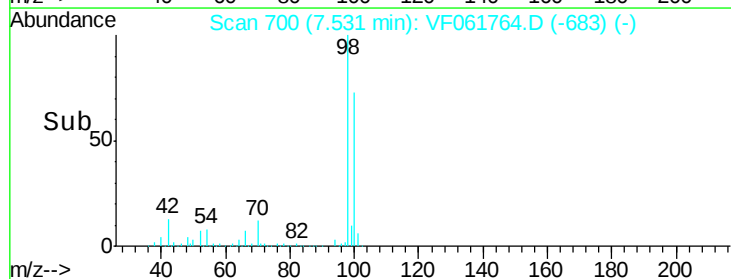
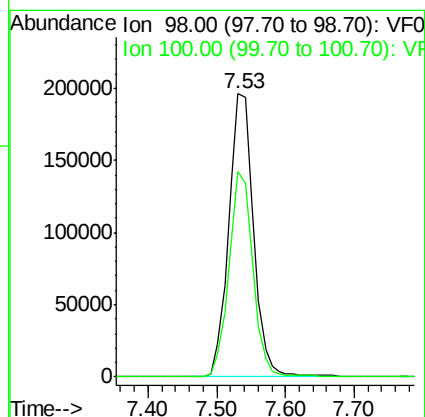
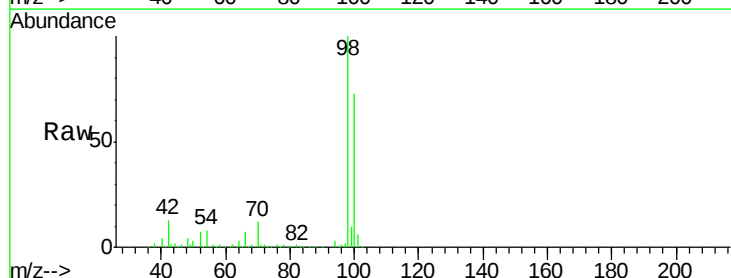
Acq: 27 Feb 2019 14:11

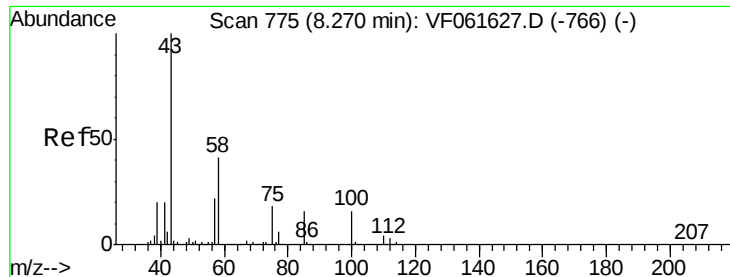
Tgt Ion: 98 Resp: 489832

Ion Ratio Lower Upper

98 100

100 72.6 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 99.251 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

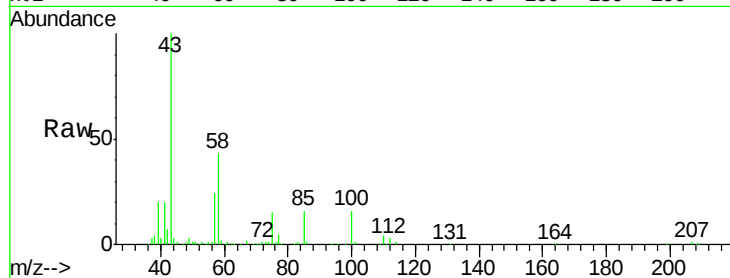
VF0227SBS01

Tot Ion: 43 Resp: 173652

Ion Ratio Lower Upper

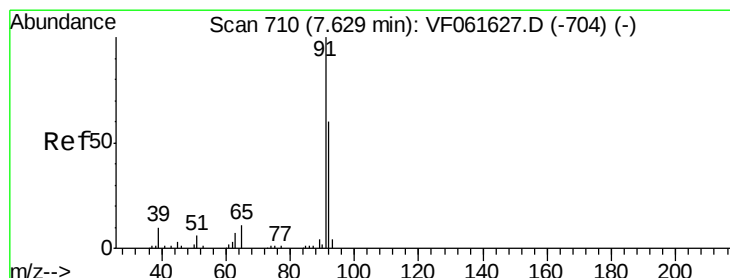
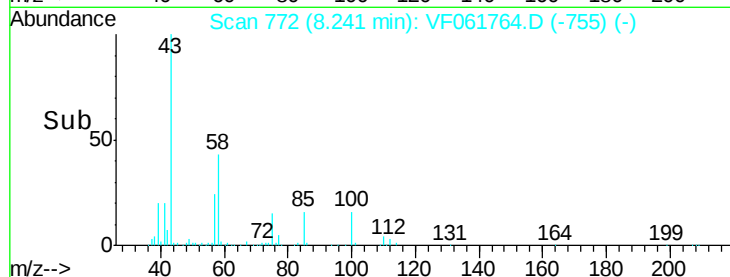
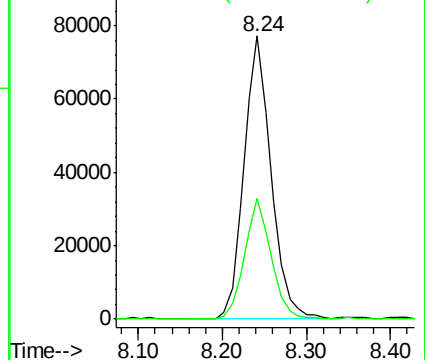
43 100

58 42.6 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: 19.851 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061764.D

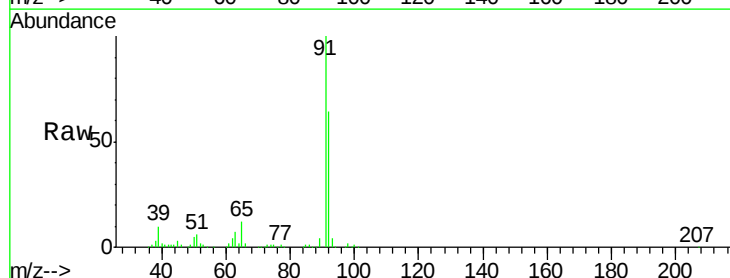
Acq: 27 Feb 2019 14:11

Tgt Ion: 92 Resp: 140253

Ion Ratio Lower Upper

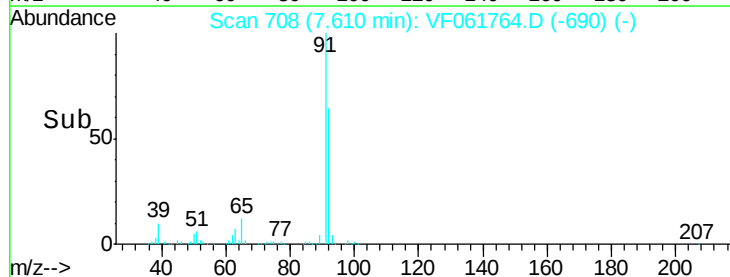
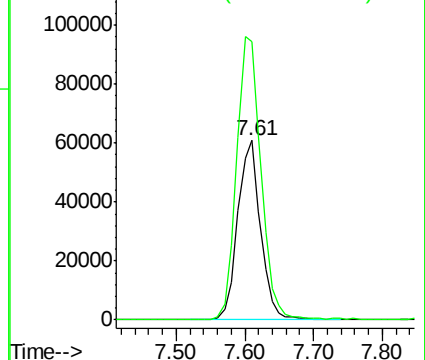
92 100

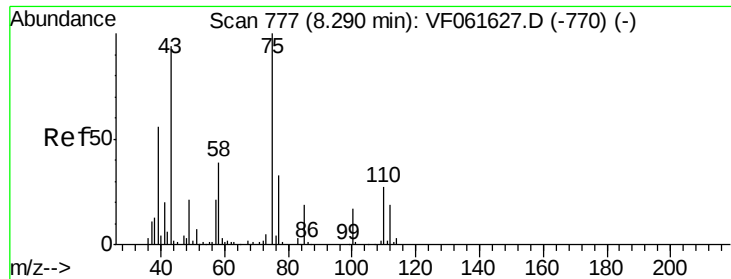
91 155.2 133.9 200.9



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: 20.922 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

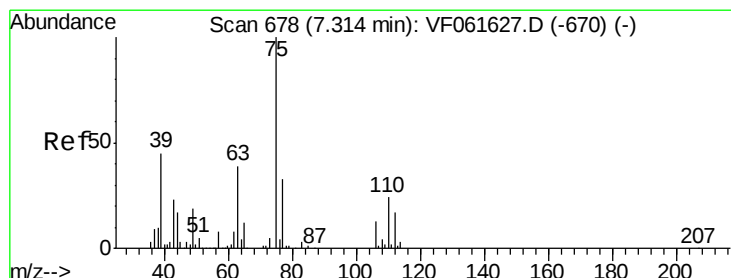
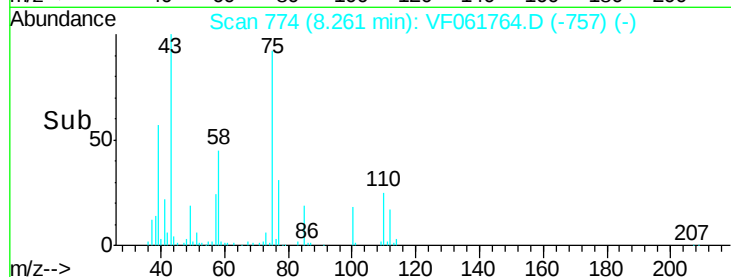
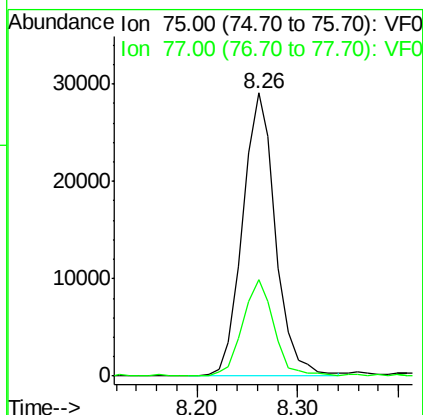
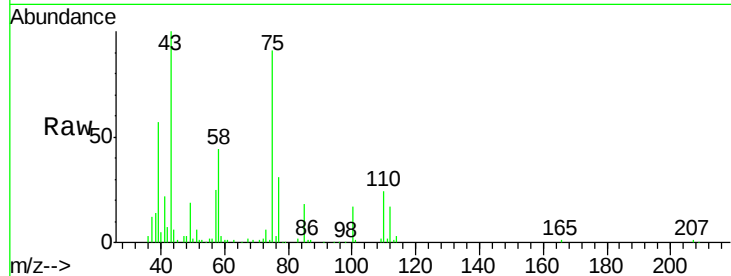
VF0227SBS01

Tot Ion: 75 Resp: 66111

Ion Ratio Lower Upper

75 100

77 34.0 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 22.775 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

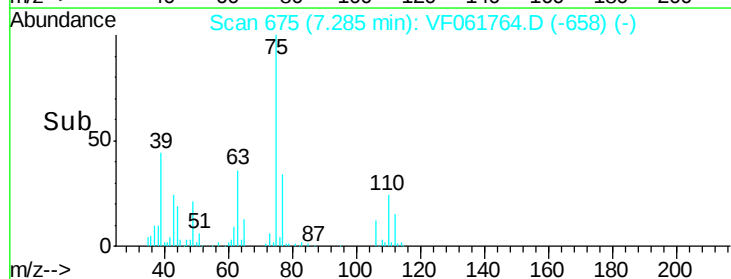
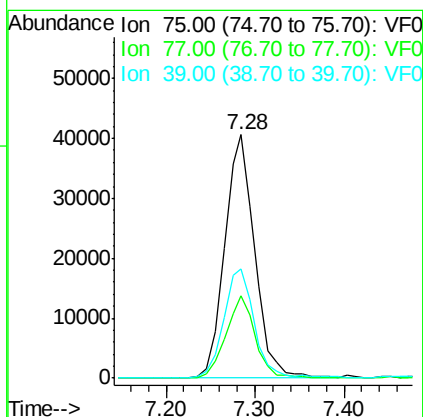
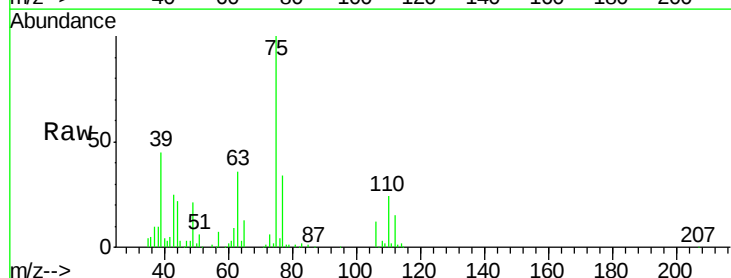
Tgt Ion: 75 Resp: 95859

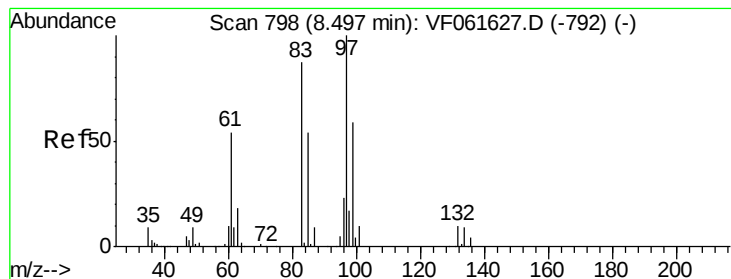
Ion Ratio Lower Upper

75 100

77 33.6 26.4 39.6

39 44.9 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 20.059 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

Tot Ion: 97 Resp: 41639

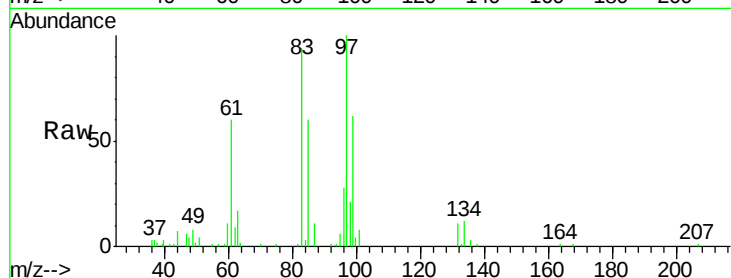
Ion Ratio Lower Upper

97 100

83 94.3 69.2 103.8

85 60.0 43.0 64.4

99 62.4 47.2 70.8

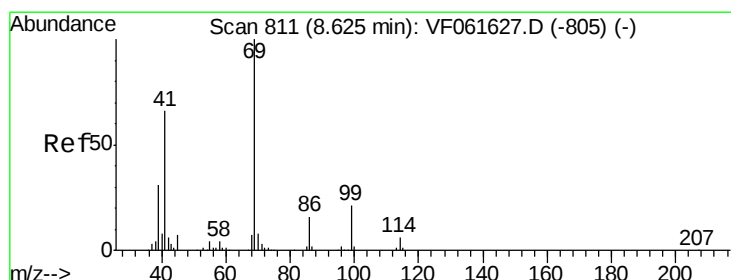
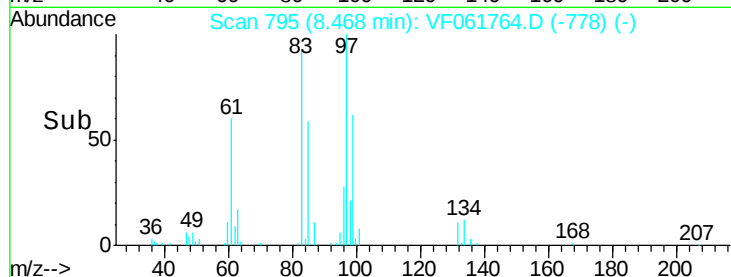
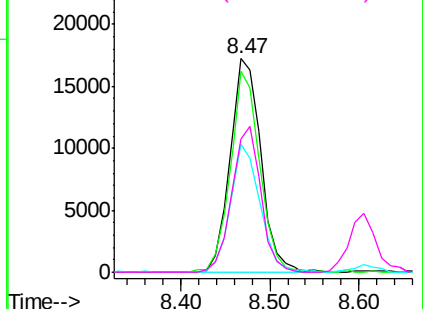


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 19.964 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

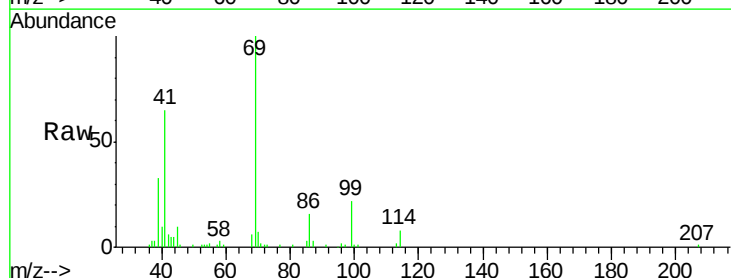
Tgt Ion: 69 Resp: 46140

Ion Ratio Lower Upper

69 100

41 65.1 52.9 79.3

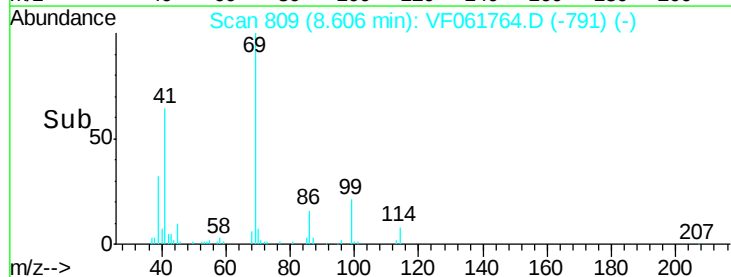
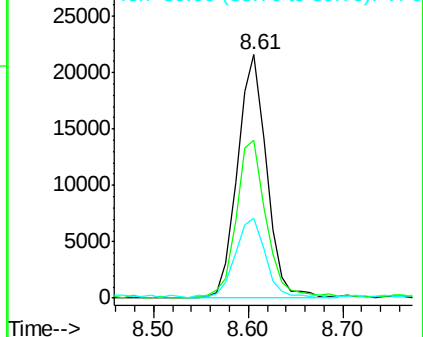
39 32.9 24.5 36.7

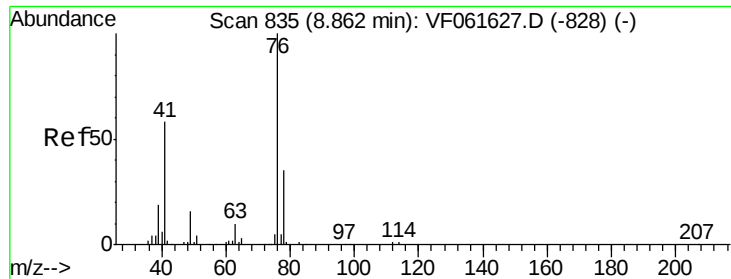


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.237 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

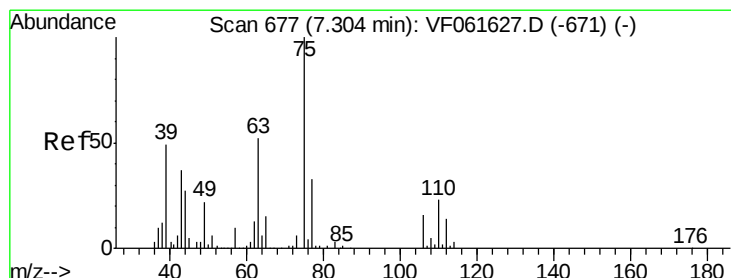
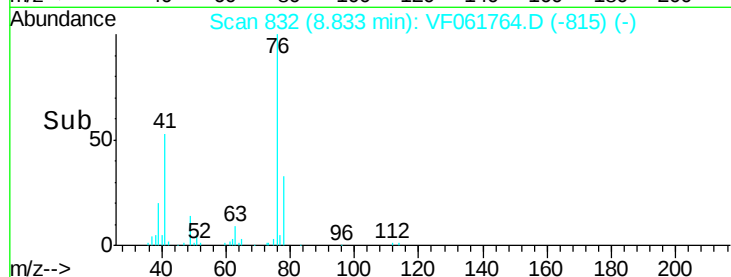
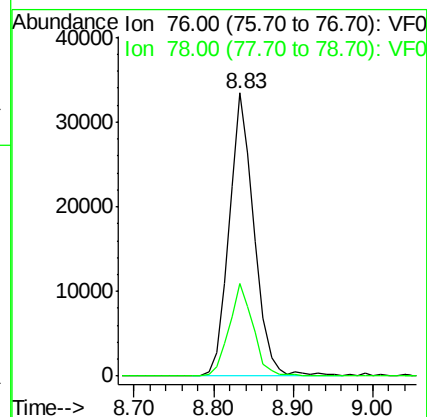
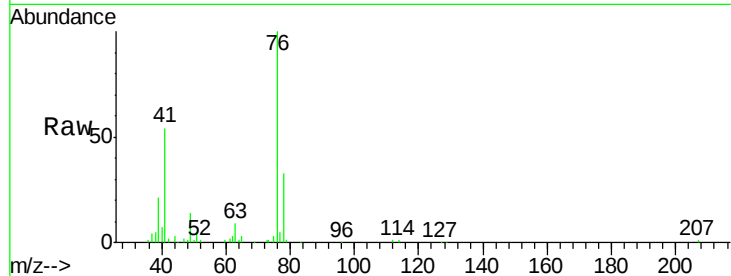
VF0227SBS01

Tot Ion: 76 Resp: 73582

Ion Ratio Lower Upper

76 100

78 32.8 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 99.074 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061764.D

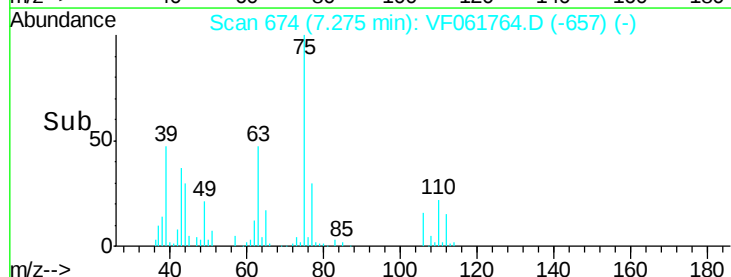
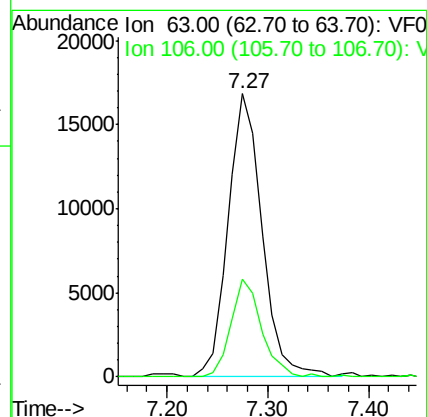
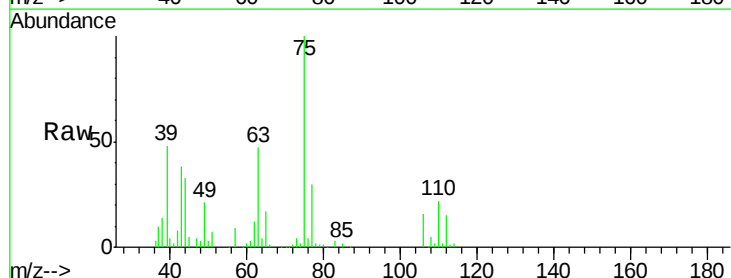
Acq: 27 Feb 2019 14:11

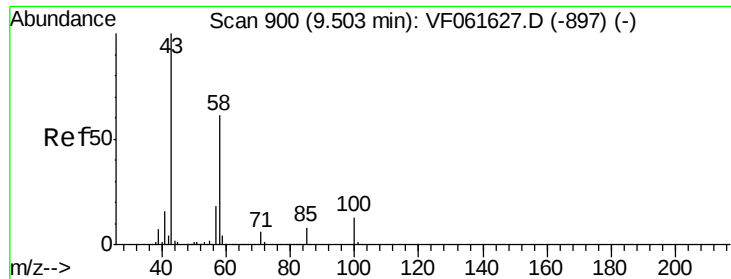
Tgt Ion: 63 Resp: 39506

Ion Ratio Lower Upper

63 100

106 34.6 24.6 36.8

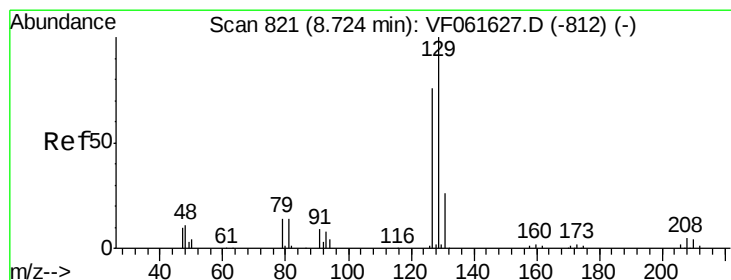
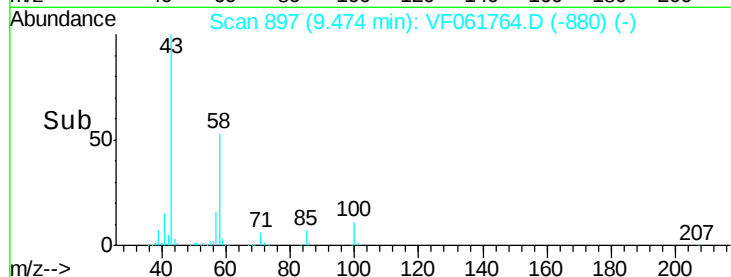
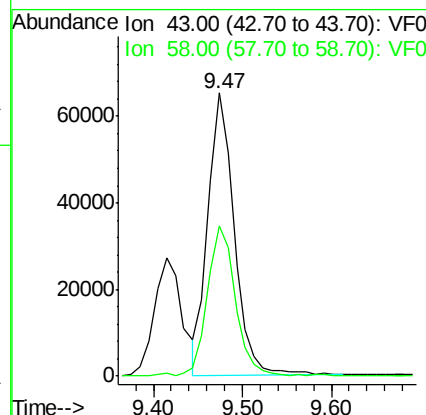
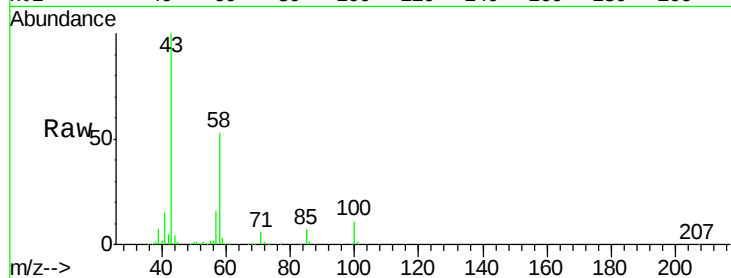




#59
2-Hexanone
Concen: 108.894 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.03 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

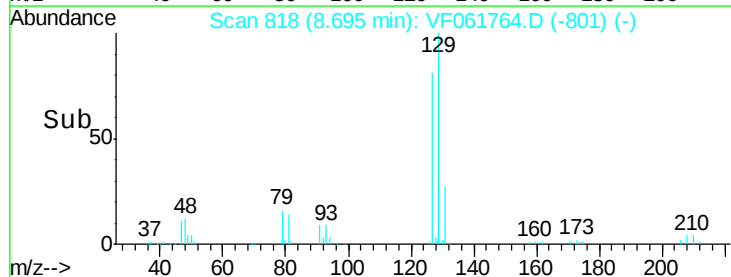
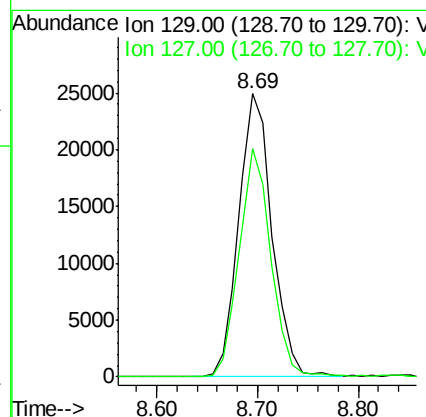
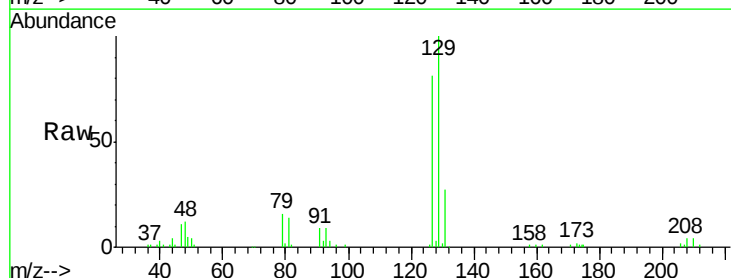
Instrument :
MSVOA_F
ClientSampleId :
VF0227SBS01

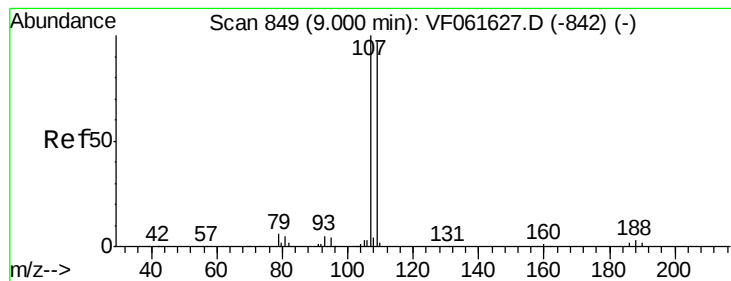
Tot Ion: 43 Resp: 133552
Ion Ratio Lower Upper
43 100
58 53.0 28.5 85.5



#60
Dibromochloromethane
Concen: 19.834 ug/l
RT: 8.69 min Scan# 818
Delta R.T. -0.03 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

Tgt Ion: 129 Resp: 57306
Ion Ratio Lower Upper
129 100
127 80.9 37.8 113.4





#61

1,2-Dibromoethane

Concen: 20.599 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

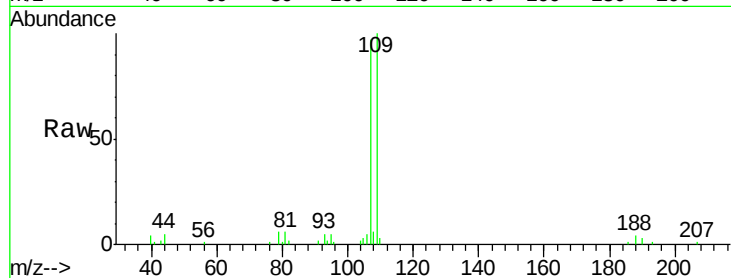
VF0227SBS01

Tot Ion:107 Resp: 46379

Ion Ratio Lower Upper

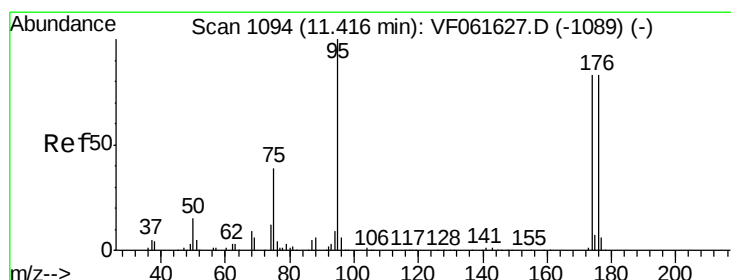
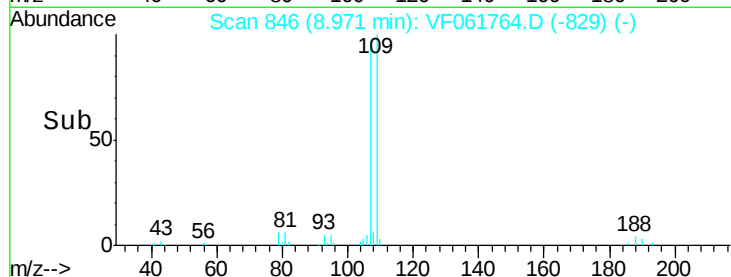
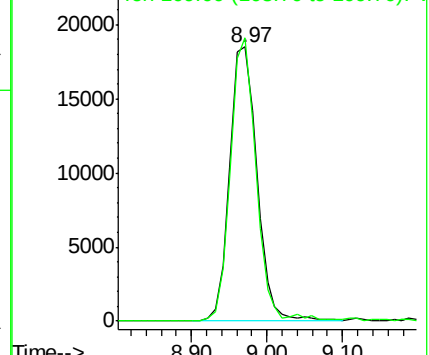
107 100

109 103.3 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.735 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

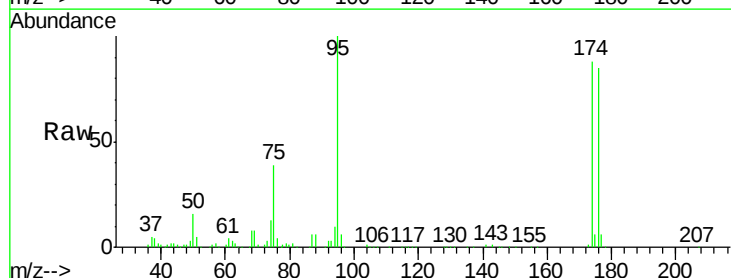
Tgt Ion: 95 Resp: 189258

Ion Ratio Lower Upper

95 100

174 87.6 0.0 165.8

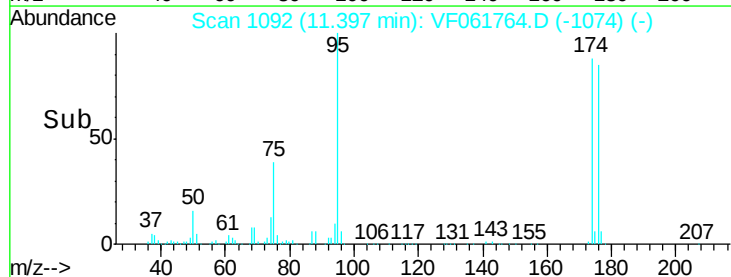
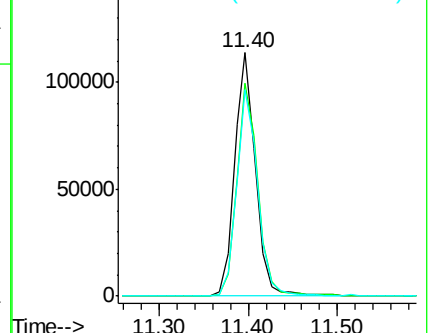
176 84.8 0.0 167.0

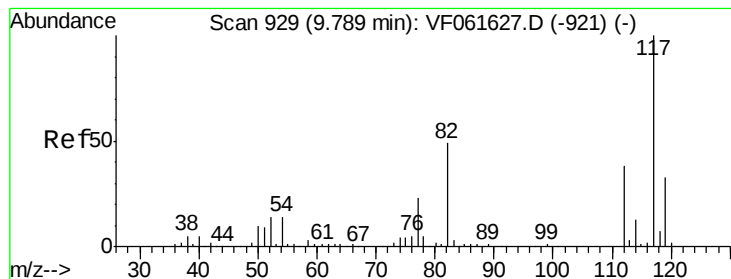


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

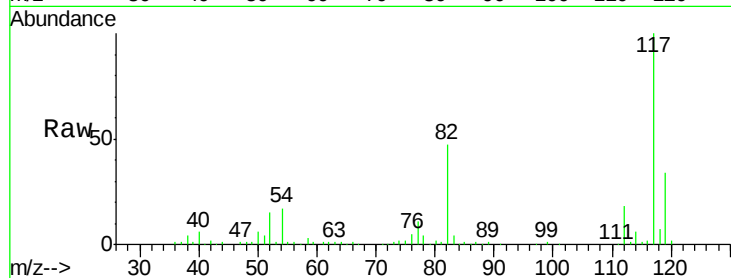
Tot Ion:117 Resp: 390486

Ion Ratio Lower Upper

117 100

82 47.1 39.3 58.9

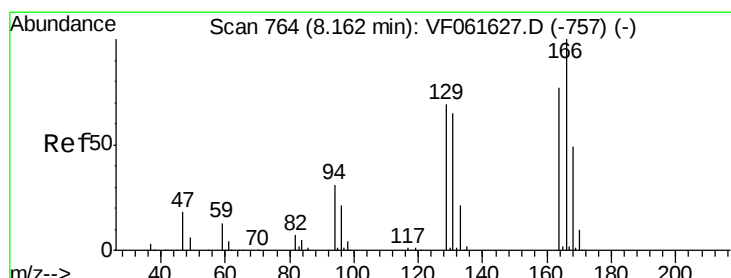
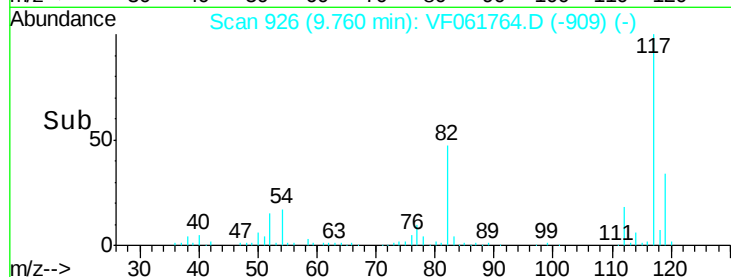
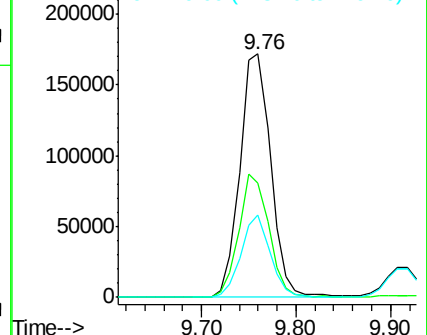
119 33.6 26.6 40.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 21.790 ug/l

RT: 8.13 min Scan# 761

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Tgt Ion:164 Resp: 69550

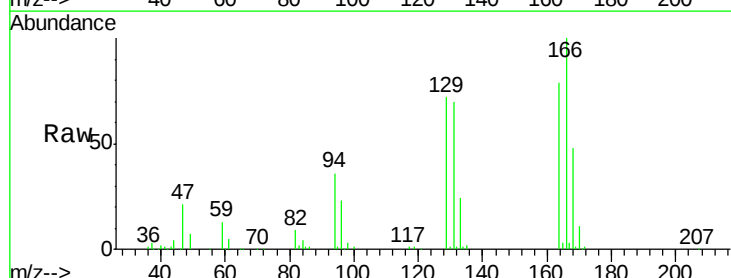
Ion Ratio Lower Upper

164 100

166 126.4 103.9 155.9

129 90.9 71.3 106.9

131 88.2 67.1 100.7

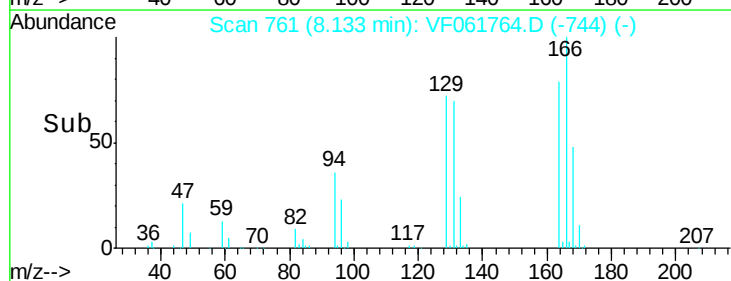
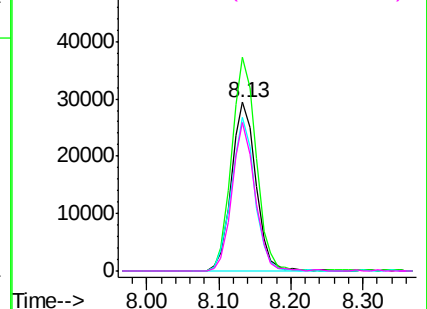


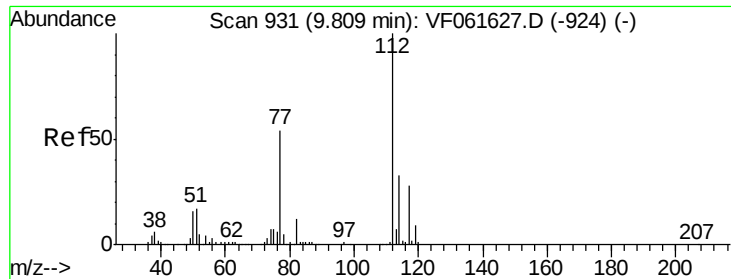
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

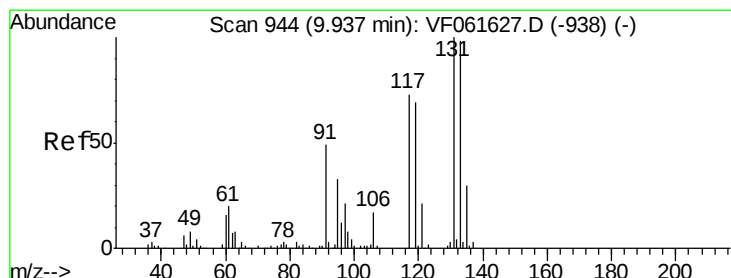
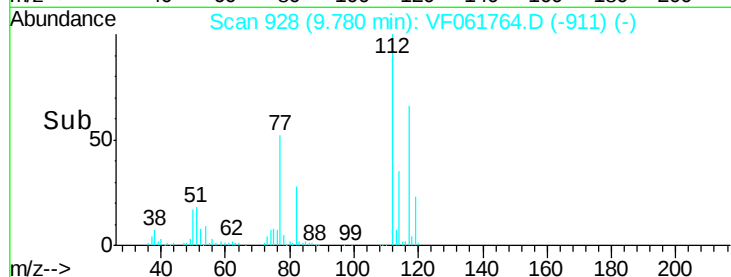
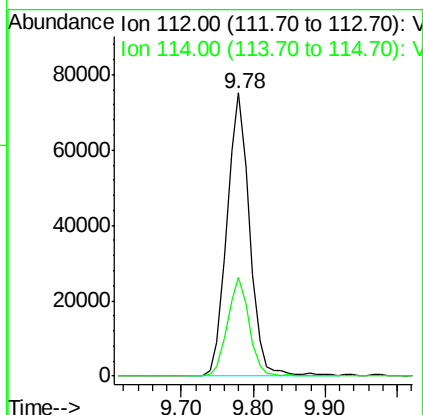
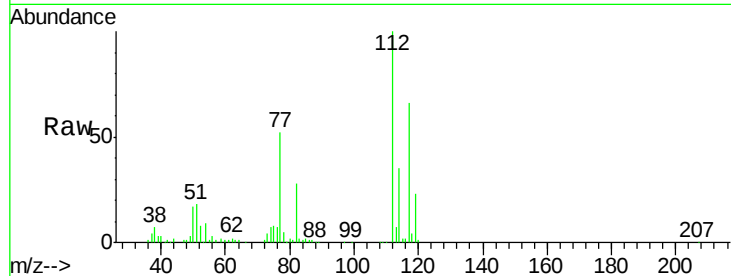




#65
Chlorobenzene
Concen: 20.730 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

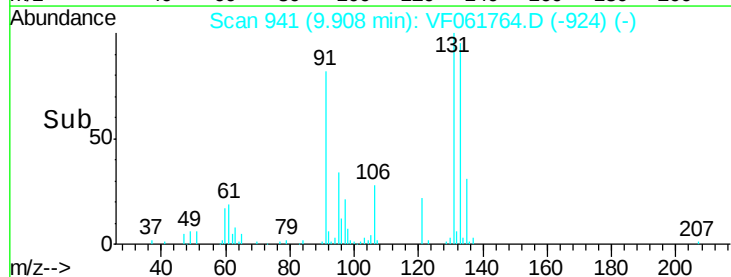
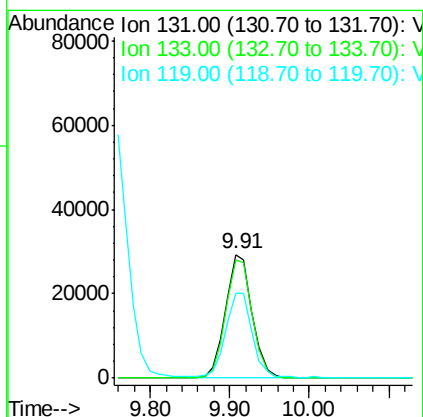
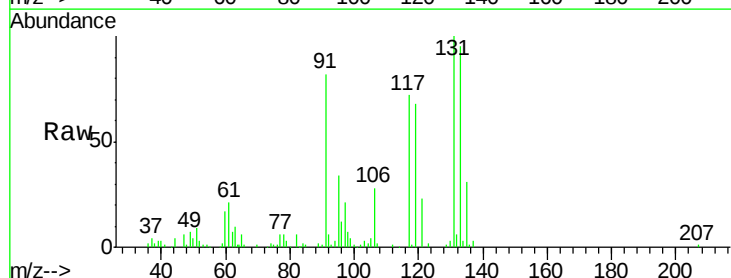
Instrument :
MSVOA_F
ClientSampleId :
VF0227SBS01

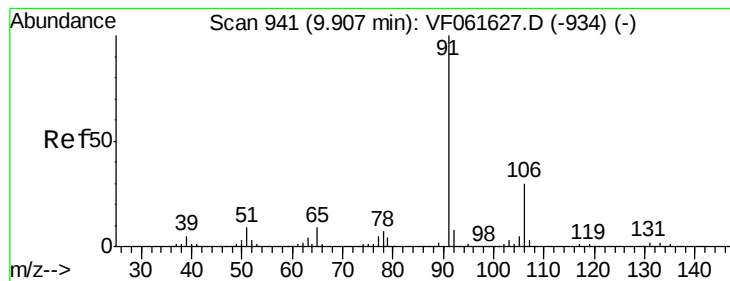
Tot Ion:112 Resp: 164259
Ion Ratio Lower Upper
112 100
114 35.2 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.153 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.03 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

Tgt Ion:131 Resp: 68784
Ion Ratio Lower Upper
131 100
133 95.2 48.9 146.6
119 68.4 34.8 104.3





#67

Ethyl Benzene

Concen: 21.281 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

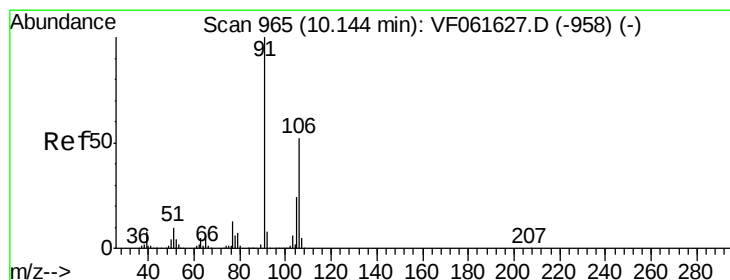
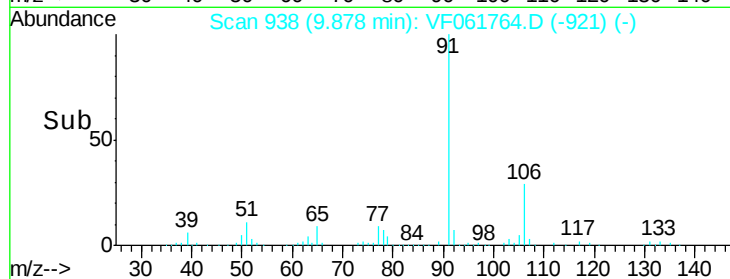
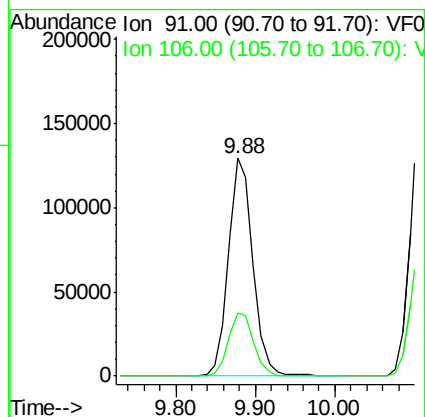
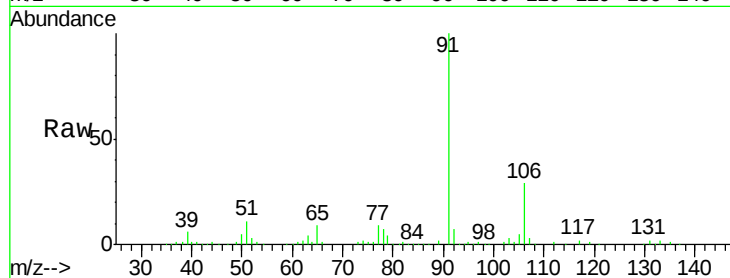
VF0227SBS01

Tot Ion: 91 Resp: 280427

Ion Ratio Lower Upper

91 100

106 29.2 24.1 36.1



#68

m/p-Xylenes

Concen: 40.668 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.03 min

Lab File: VF061764.D

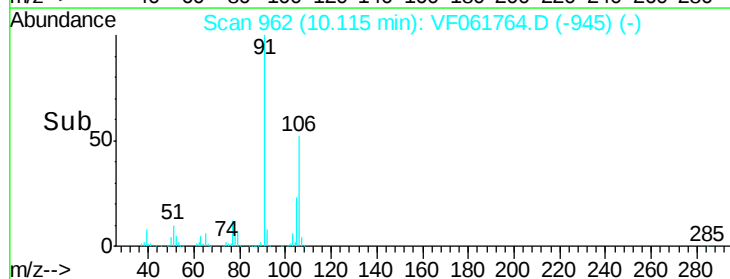
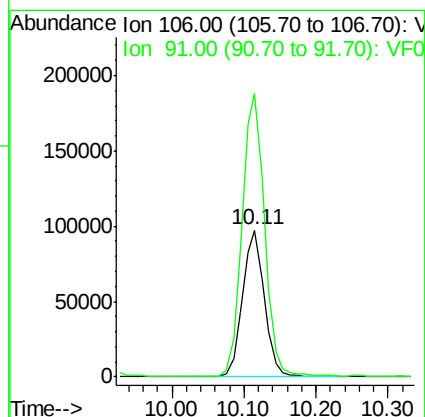
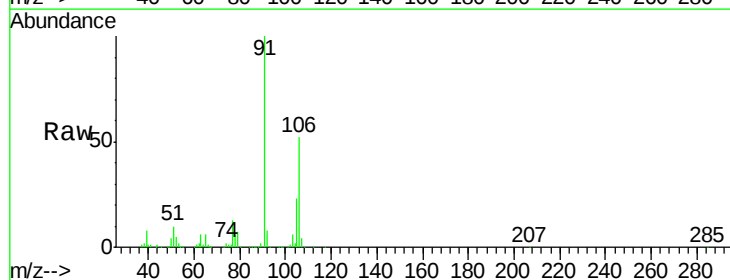
Acq: 27 Feb 2019 14:11

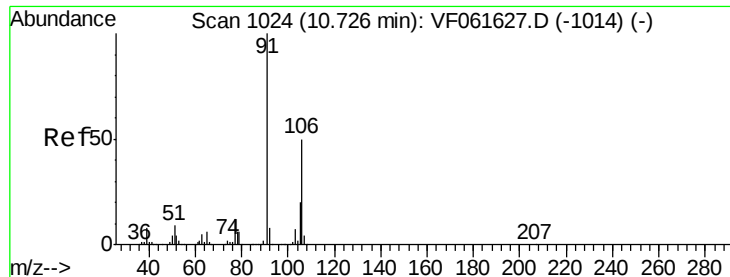
Tgt Ion:106 Resp: 205094

Ion Ratio Lower Upper

106 100

91 192.5 153.0 229.6

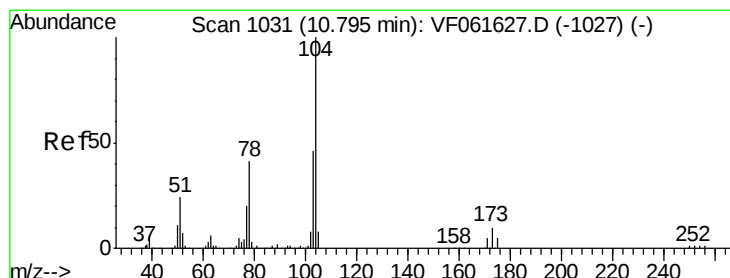
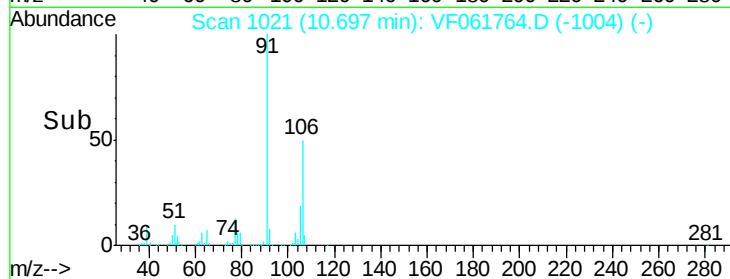
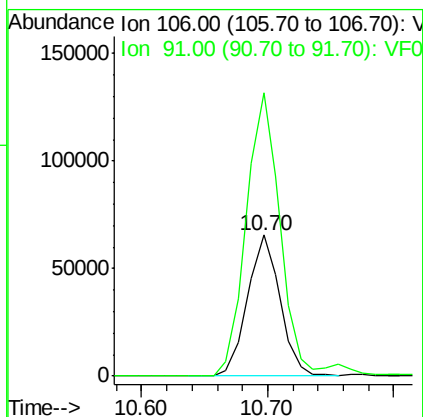
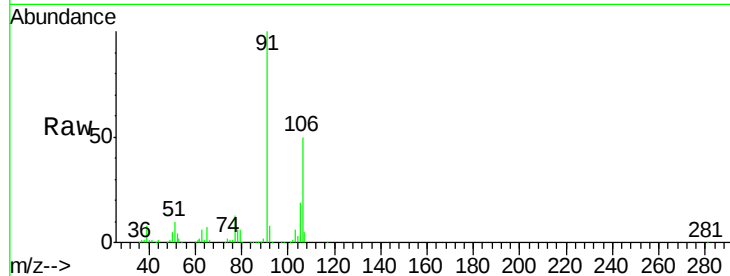




#69
o-Xylene
Concen: 21.921 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

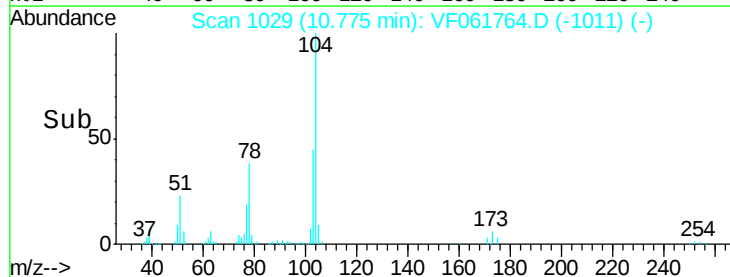
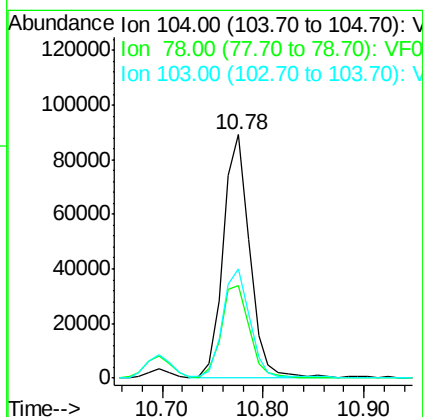
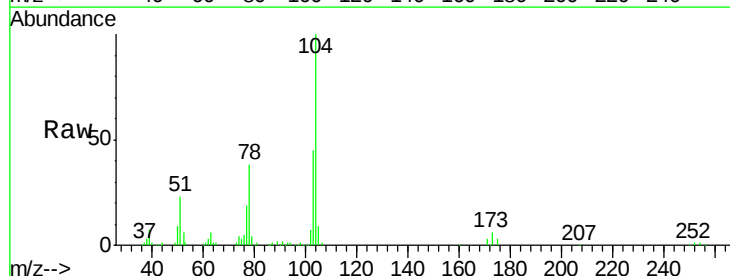
Instrument :
MSVOA_F
ClientSampleId :
VF0227SBS01

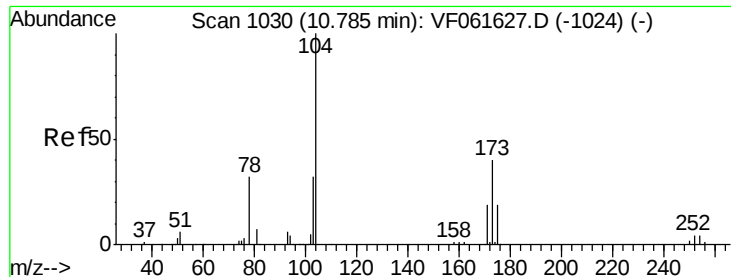
Tot Ion:106 Resp: 117962
Ion Ratio Lower Upper
106 100
91 200.8 100.1 300.1



#70
Styrene
Concen: 21.289 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

Tgt Ion:104 Resp: 162071
Ion Ratio Lower Upper
104 100
78 38.2 33.2 49.8
103 44.9 37.2 55.8





#71

Bromoform

Concen: 20.420 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

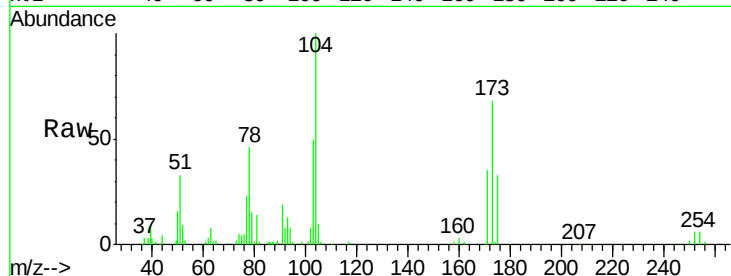
Tot Ion:173 Resp: 34430

Ion Ratio Lower Upper

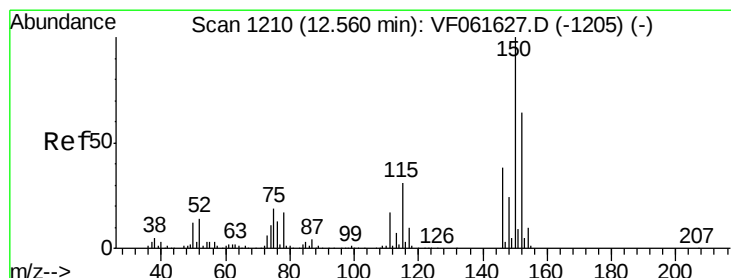
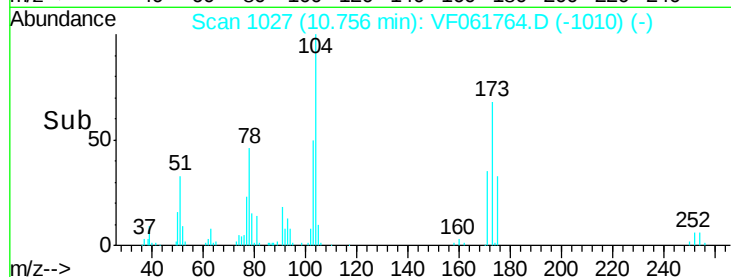
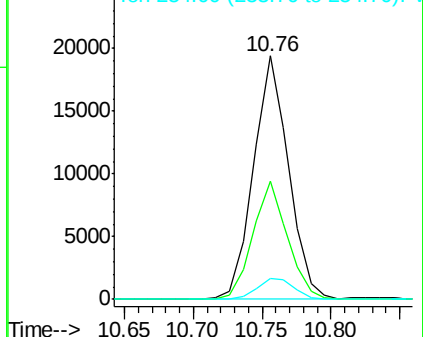
173 100

175 48.6 24.0 72.0

254 8.3 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: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

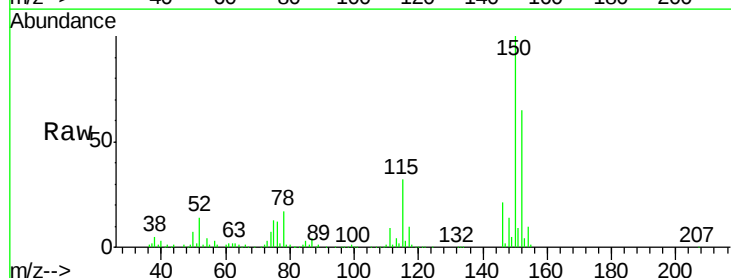
Tgt Ion:152 Resp: 222414

Ion Ratio Lower Upper

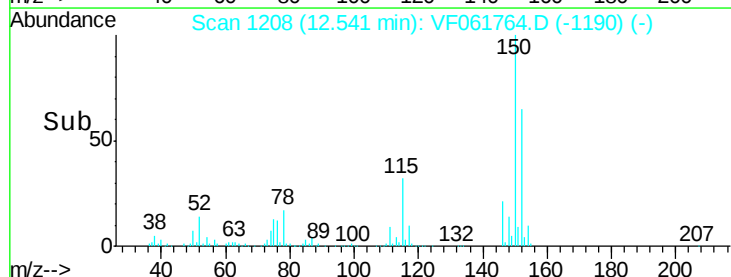
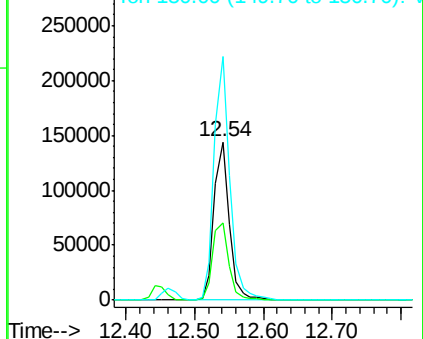
152 100

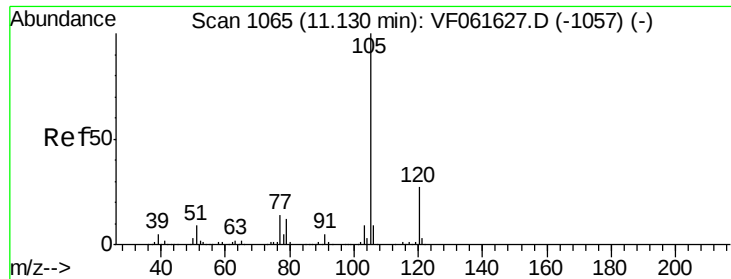
115 48.9 24.3 72.8

150 153.7 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: 21.676 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

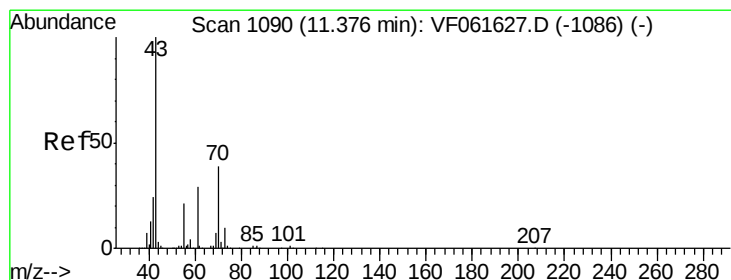
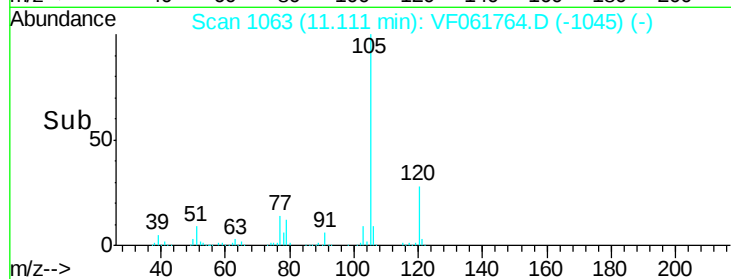
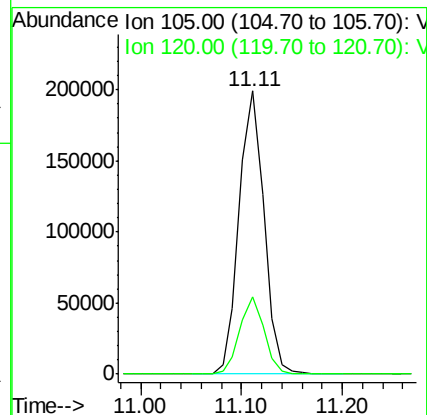
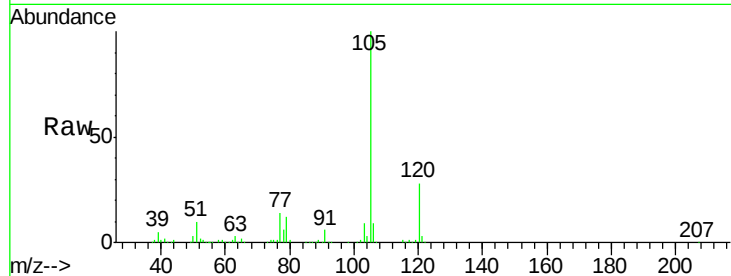
VF0227SBS01

Tot Ion:105 Resp: 343257

Ion Ratio Lower Upper

105 100

120 27.5 13.4 40.1



#74

N-ethyl acetate

Concen: 20.953 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Tgt Ion: 43 Resp: 79642

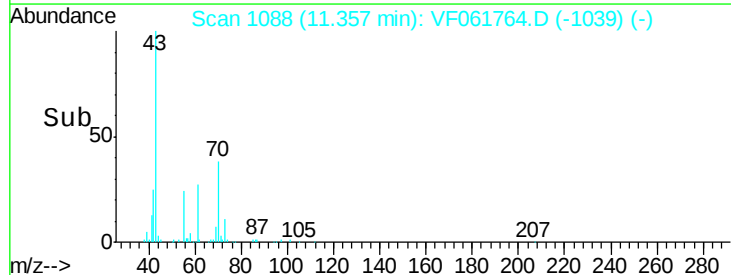
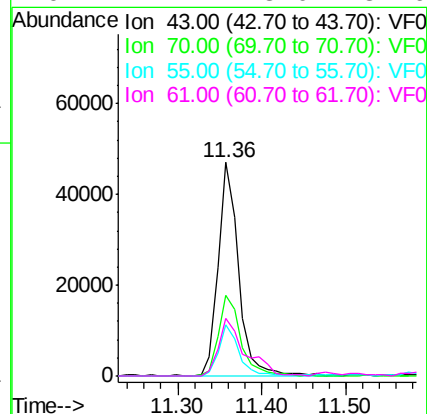
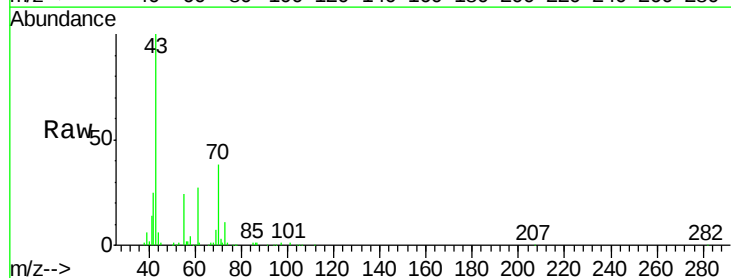
Ion Ratio Lower Upper

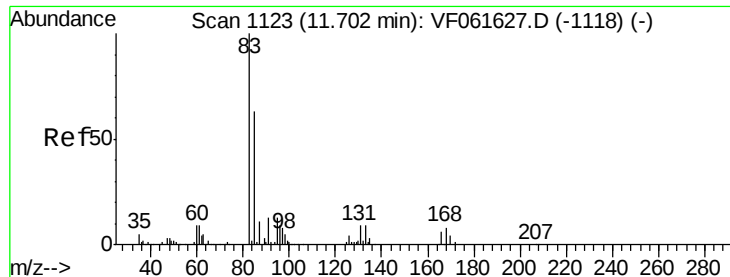
43 100

70 37.6 31.5 47.3

55 24.0 16.7 25.1

61 27.1 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.608 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

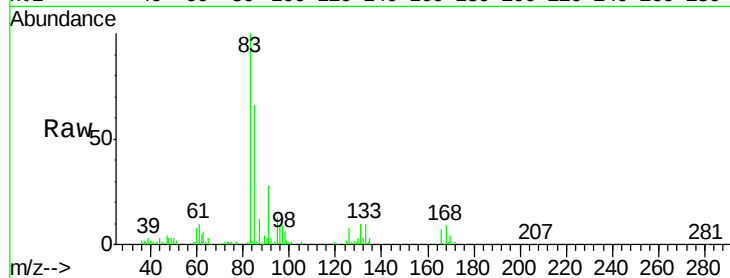
Tot Ion: 83 Resp: 55627

Ion Ratio Lower Upper

83 100

131 9.9 4.4 13.2

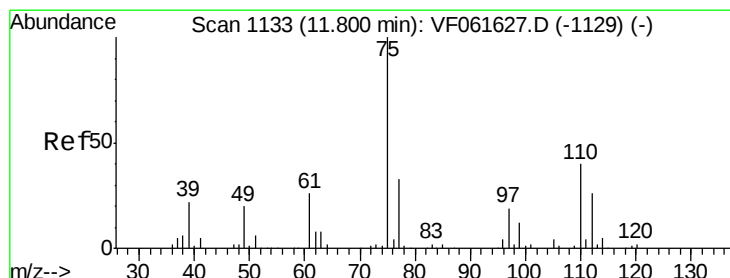
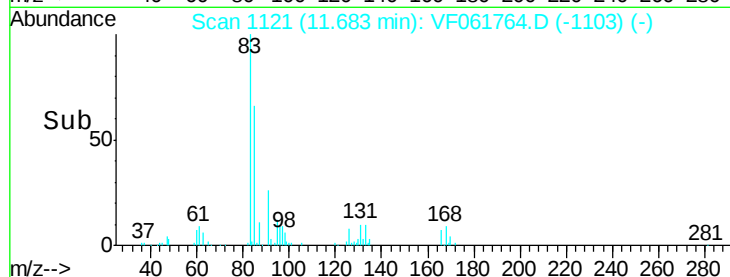
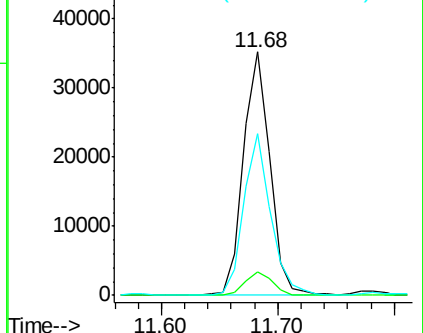
85 66.3 31.5 94.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 19.190 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF061764.D

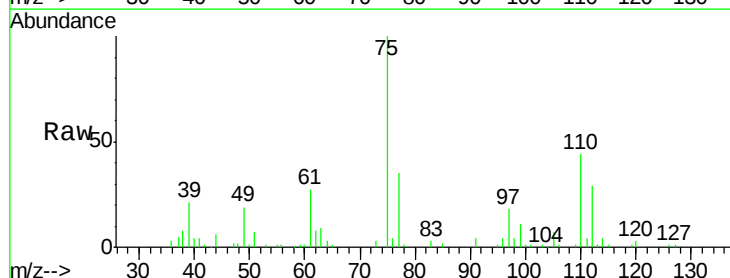
Acq: 27 Feb 2019 14:11

Tgt Ion: 75 Resp: 37015

Ion Ratio Lower Upper

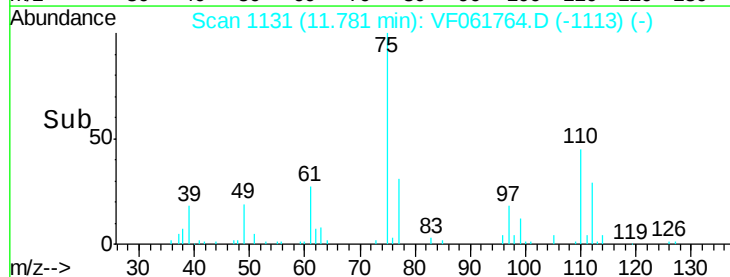
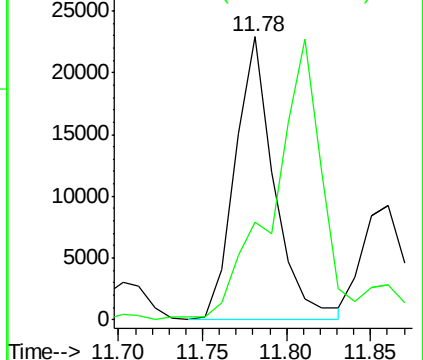
75 100

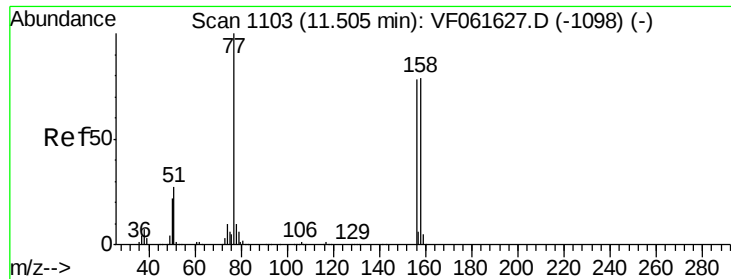
77 34.6 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 19.748 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

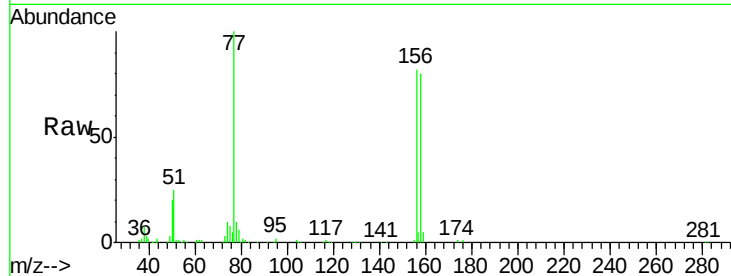
Tot Ion:156 Resp: 77255

Ion Ratio Lower Upper

156 100

77 121.3 64.3 192.7

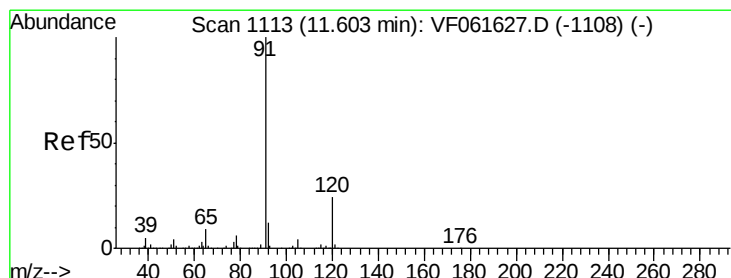
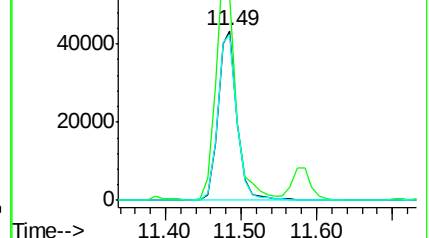
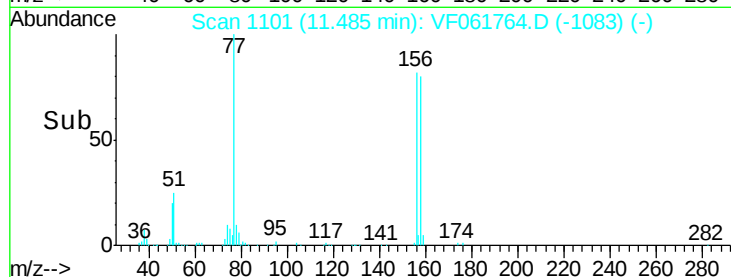
158 97.3 50.9 152.7



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: 20.899 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF061764.D

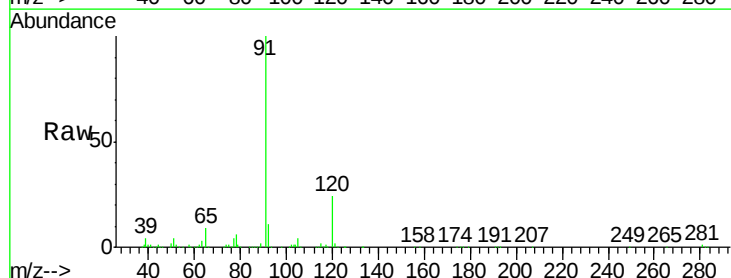
Acq: 27 Feb 2019 14:11

Tgt Ion: 91 Resp: 379778

Ion Ratio Lower Upper

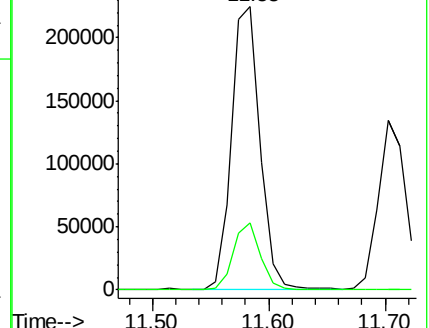
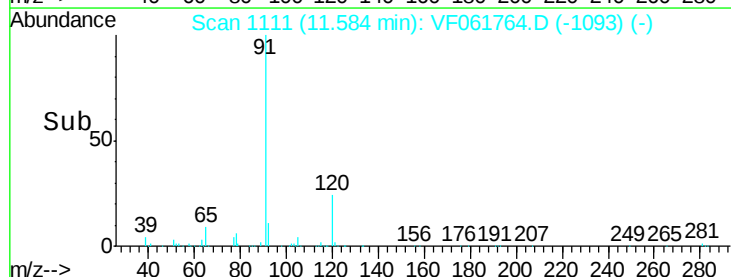
91 100

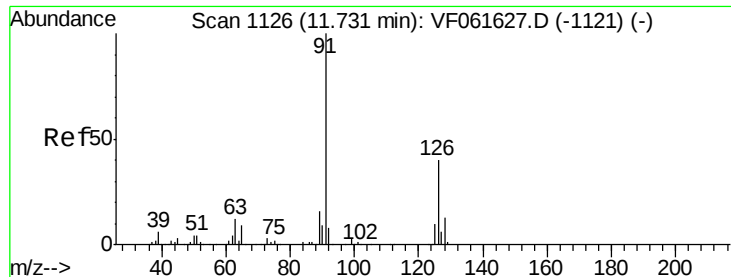
120 23.9 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.306 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

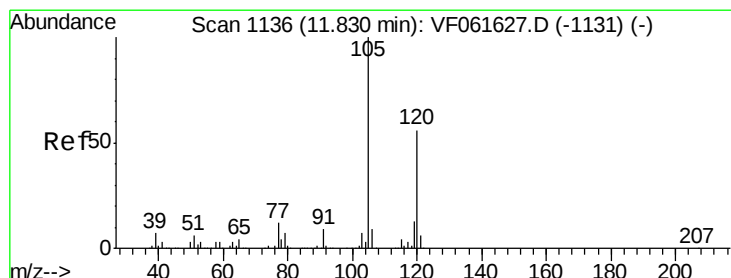
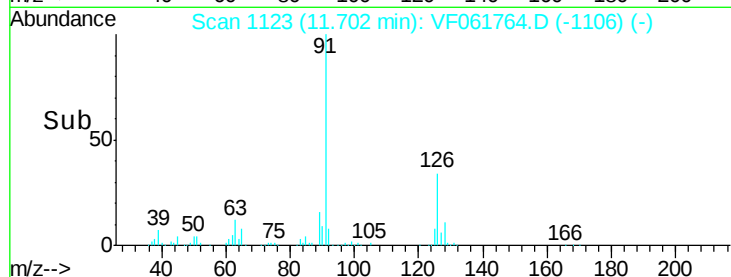
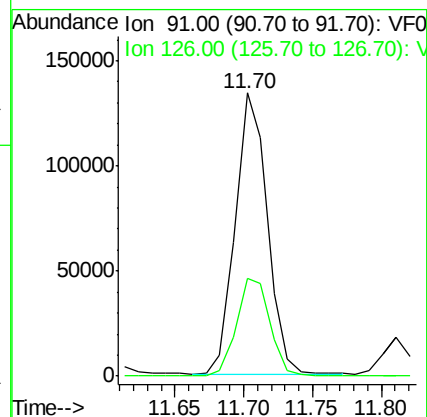
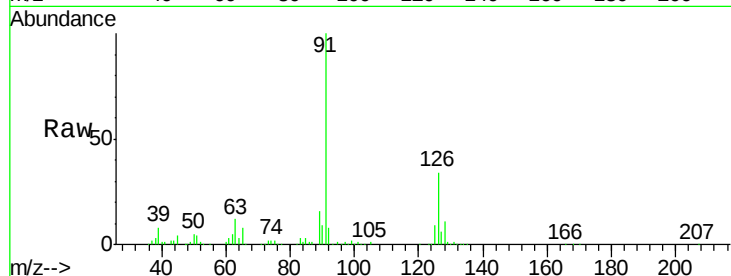
VF0227SBS01

Tot Ion: 91 Resp: 216830

Ion Ratio Lower Upper

91 100

126 34.4 19.8 59.4



#80

1,3,5-Trimethylbenzene

Concen: 21.257 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061764.D

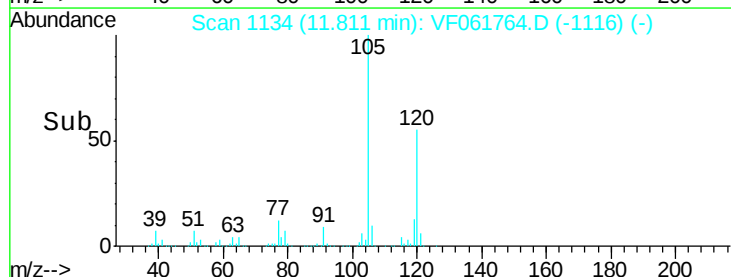
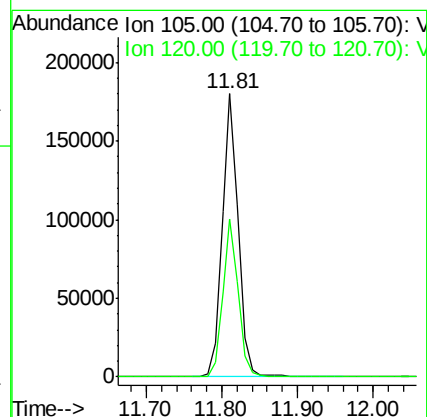
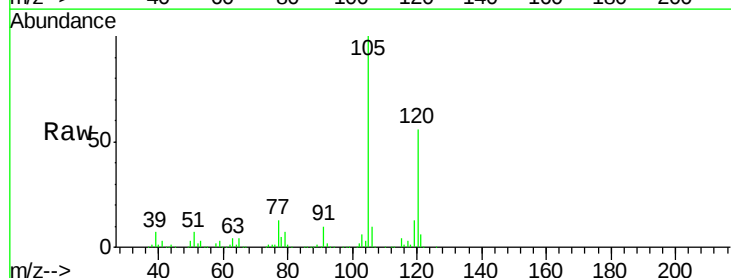
Acq: 27 Feb 2019 14:11

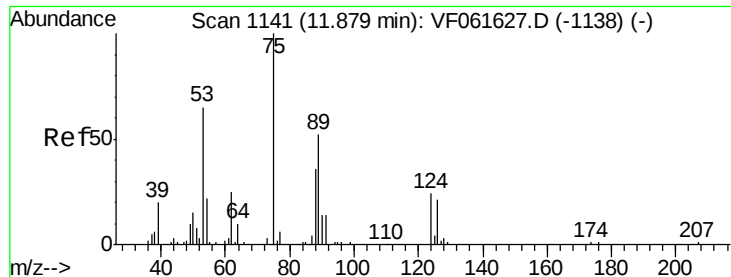
Tgt Ion:105 Resp: 269036

Ion Ratio Lower Upper

105 100

120 55.7 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.491 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

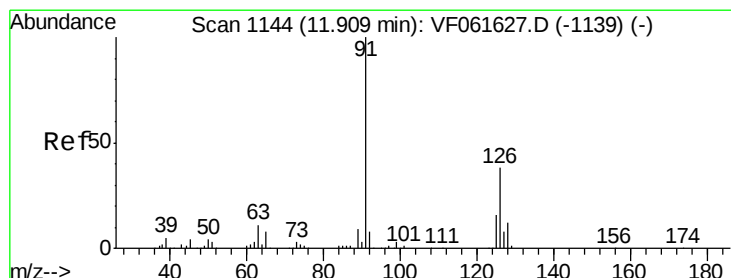
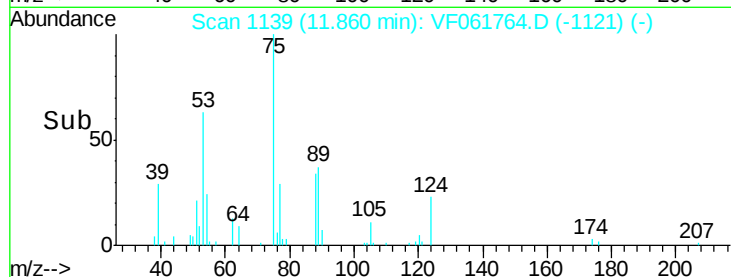
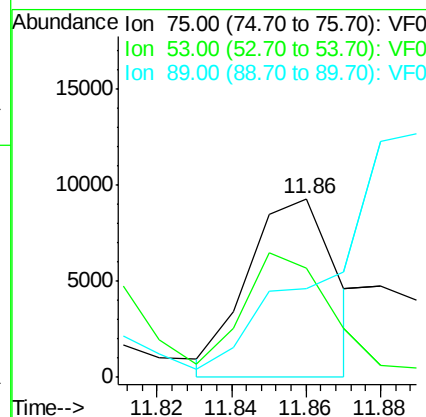
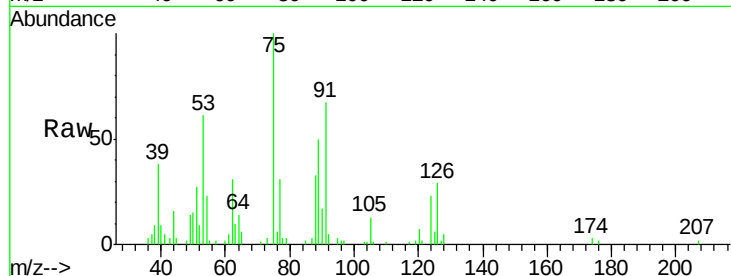
Tot Ion: 75 Resp: 15249

Ion Ratio Lower Upper

75 100

53 61.2 53.7 80.5

89 49.7 41.6 62.4



#82

4-Chlorotoluene

Concen: 20.324 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF061764.D

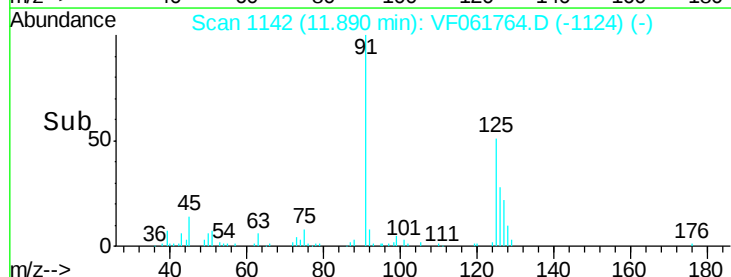
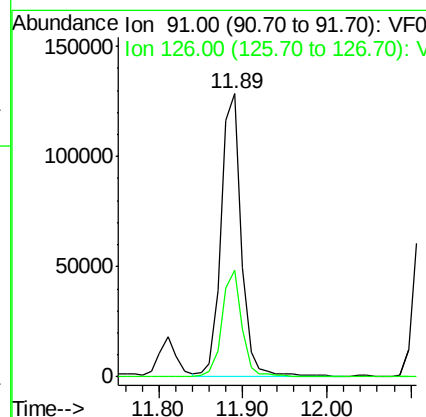
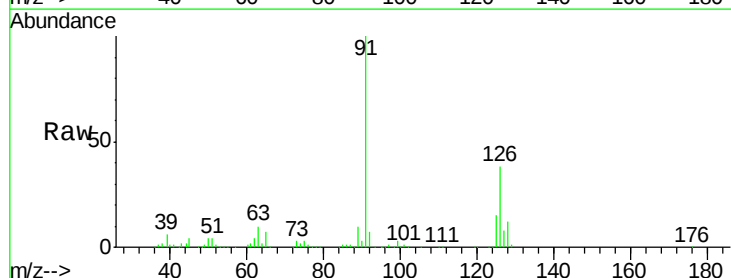
Acq: 27 Feb 2019 14:11

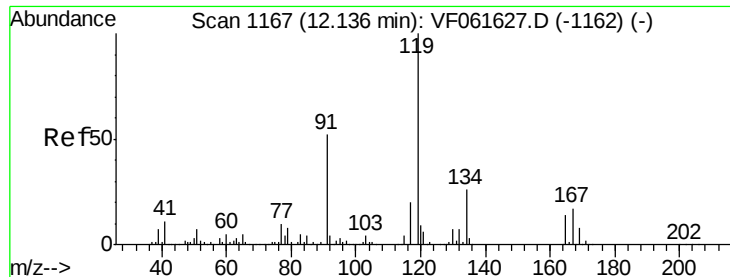
Tgt Ion: 91 Resp: 214691

Ion Ratio Lower Upper

91 100

126 37.7 19.1 57.1

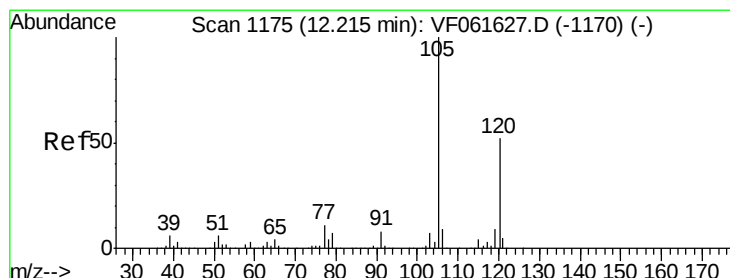
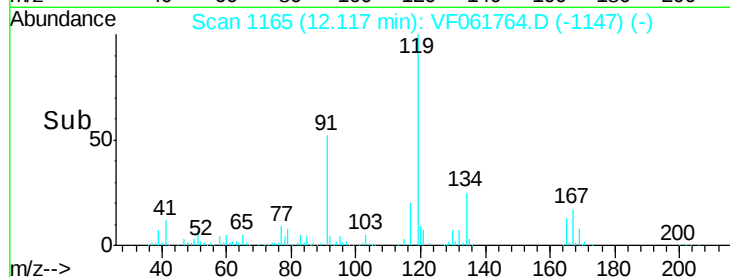
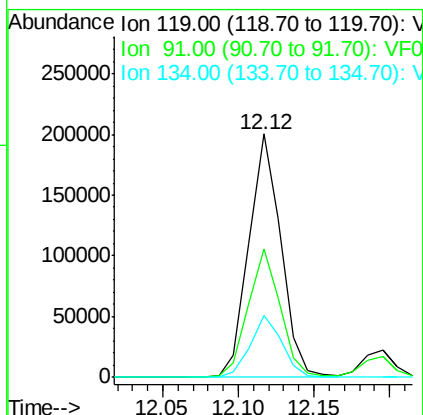
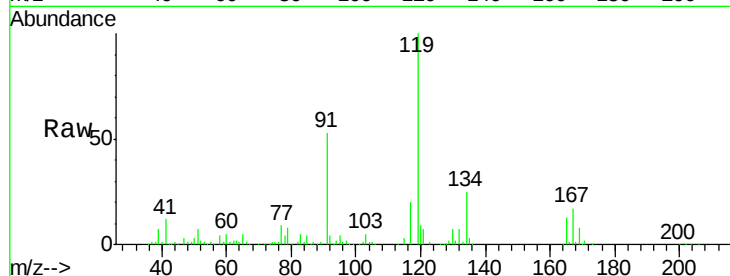




#83
tert-Butylbenzene
Concen: 21.288 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

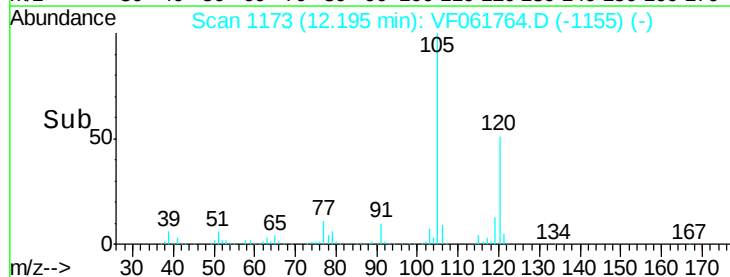
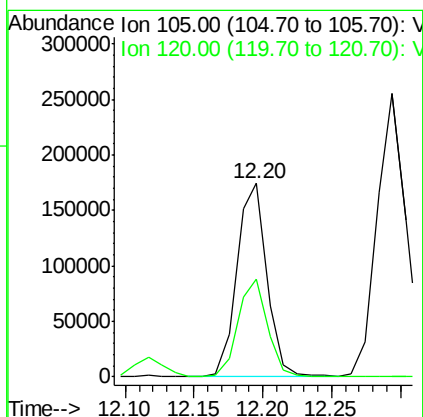
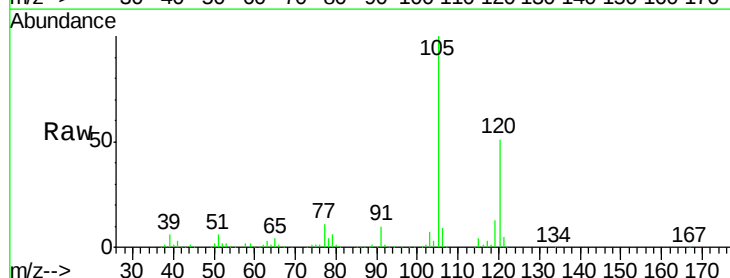
Instrument :
MSVOA_F
ClientSampleId :
VF0227SBS01

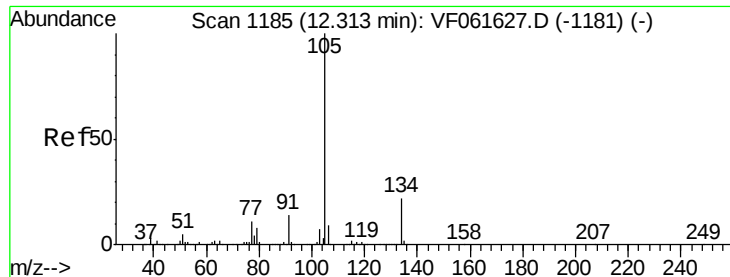
Tot Ion:119 Resp: 298424
Ion Ratio Lower Upper
119 100
91 52.5 26.3 78.8
134 25.3 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 21.035 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.02 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

Tgt Ion:105 Resp: 264492
Ion Ratio Lower Upper
105 100
120 50.7 26.1 78.3





#85

sec-Butylbenzene

Concen: 20.614 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

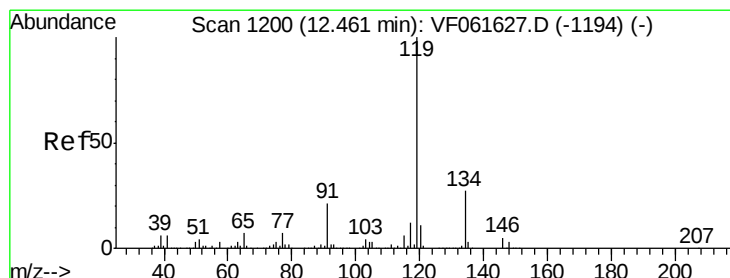
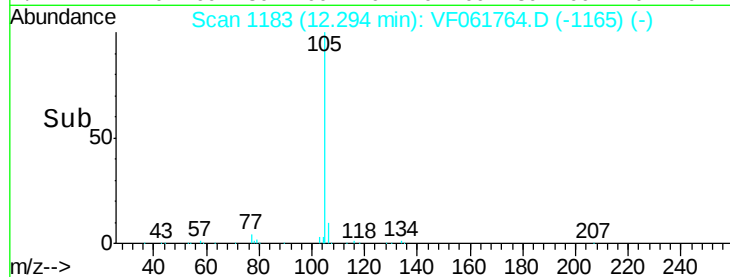
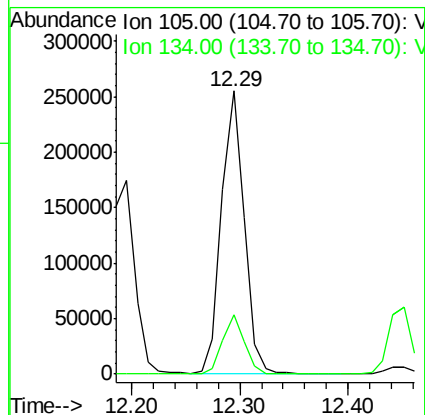
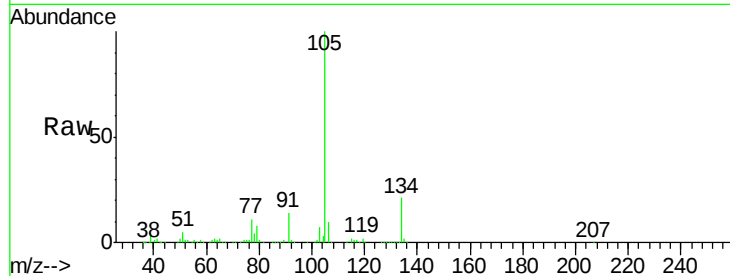
VF0227SBS01

Tot Ion:105 Resp: 373688

Ion Ratio Lower Upper

105 100

134 20.8 10.8 32.4



#86

p-Isopropyltoluene

Concen: 21.832 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

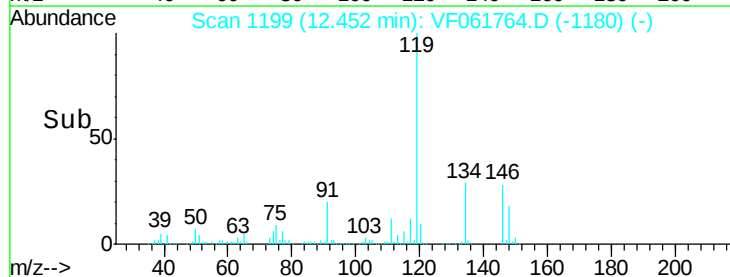
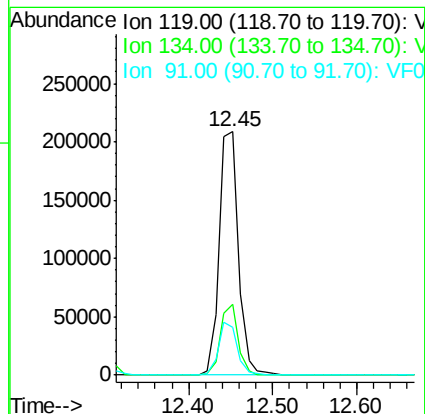
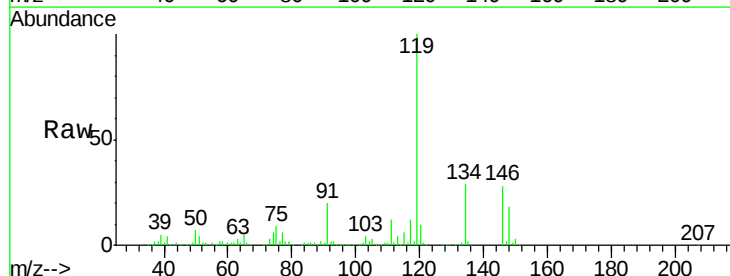
Tgt Ion:119 Resp: 332140

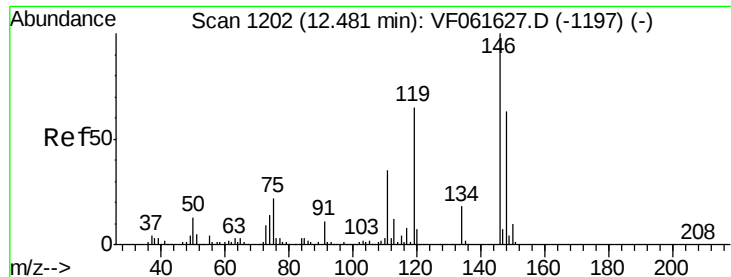
Ion Ratio Lower Upper

119 100

134 29.2 13.7 41.1

91 19.8 10.8 32.4

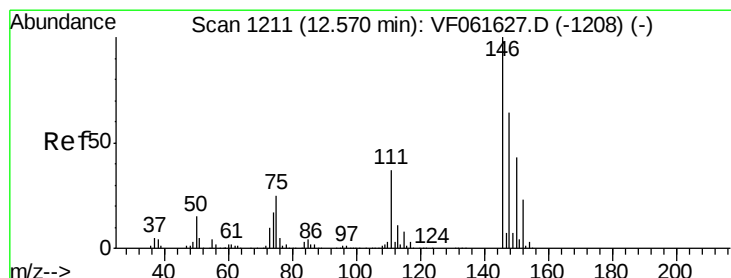
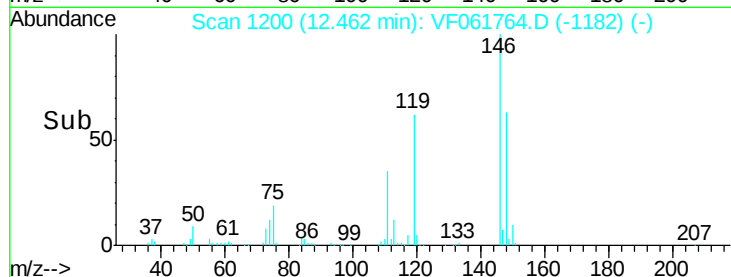
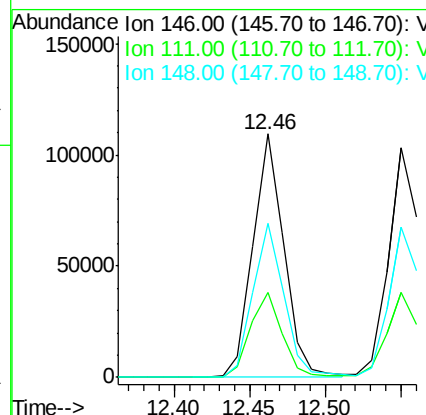
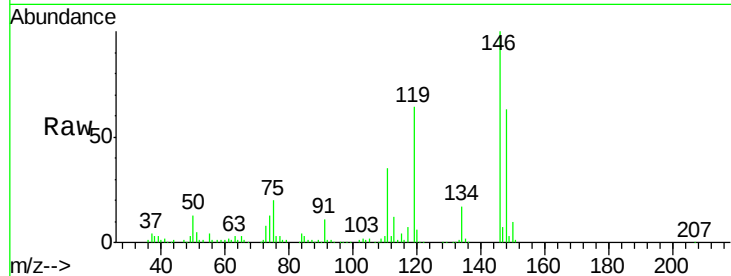




#87
 1,3-Dichlorobenzene
 Concen: 20.687 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

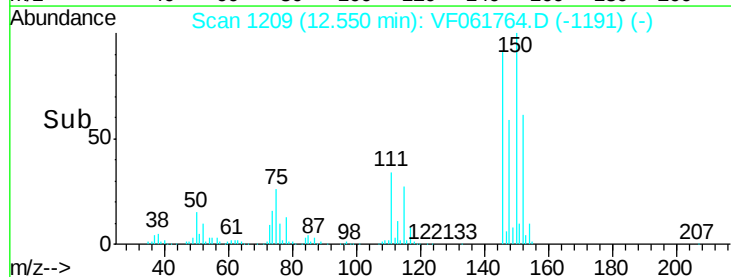
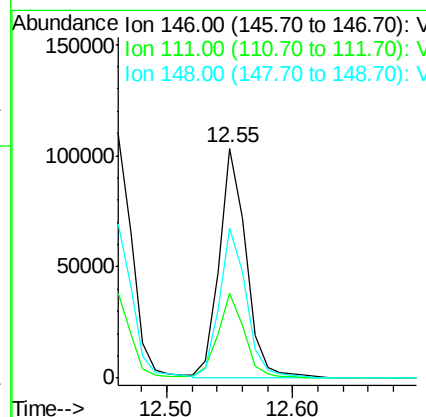
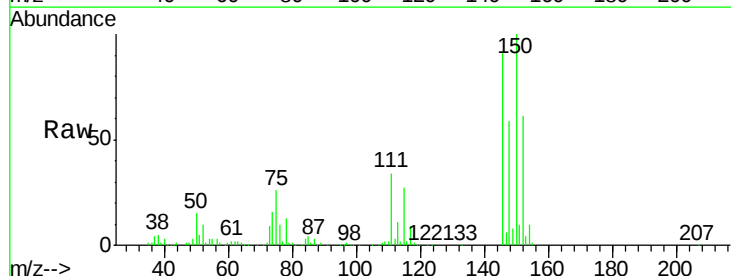
Instrument :
 MSVOA_F
 ClientSampleID :
 VF0227SBS01

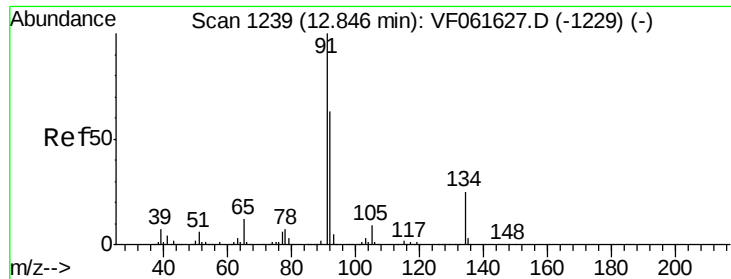
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.8	17.5	52.6
148	63.3	31.4	94.3



#88
 1,4-Dichlorobenzene
 Concen: 20.775 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.4
148	65.3	32.2	96.6

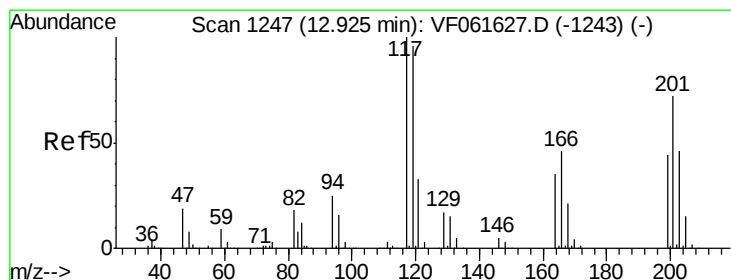
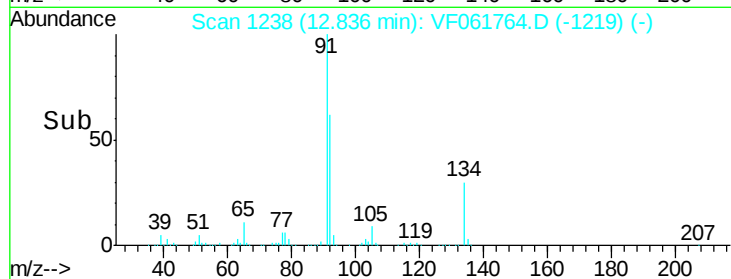
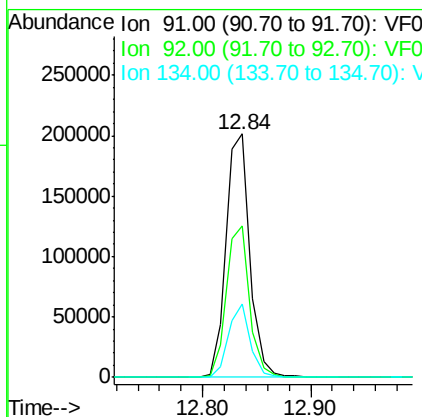
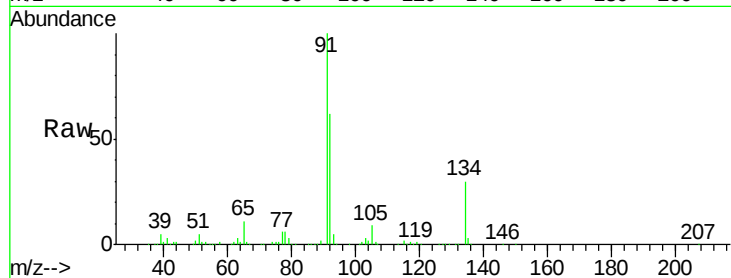




#89
n-Butylbenzene
Concen: 21.450 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

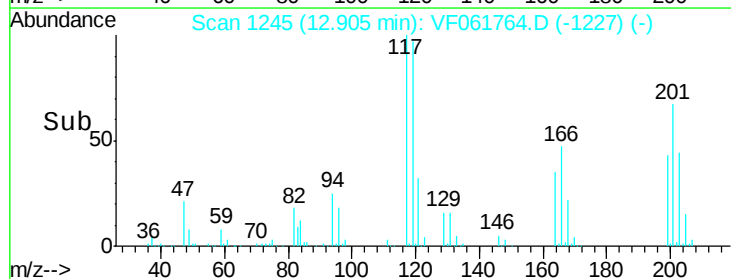
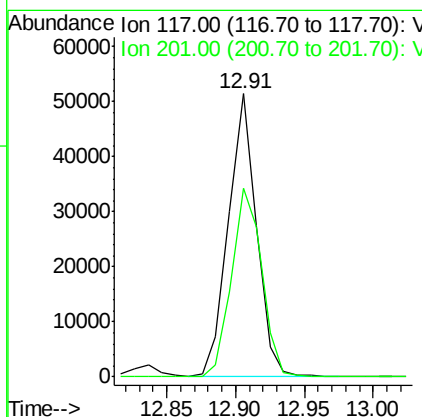
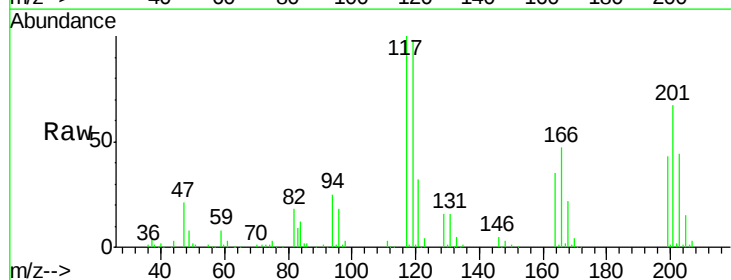
Instrument :
MSVOA_F
ClientSampleId :
VF0227SBS01

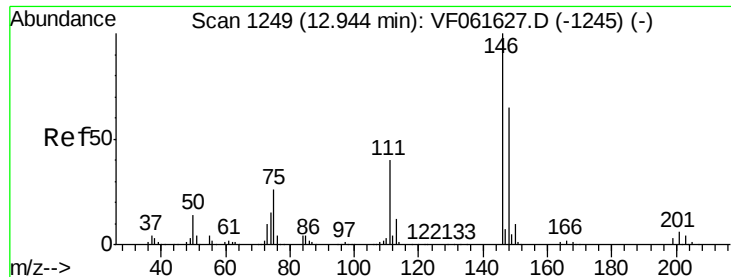
Tot Ion: 91 Resp: 308147
Ion Ratio Lower Upper
91 100
92 62.4 31.4 94.3
134 30.1 12.3 36.9



#90
Hexachloroethane
Concen: 20.753 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

Tgt Ion: 117 Resp: 73429
Ion Ratio Lower Upper
117 100
201 66.6 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 20.500 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

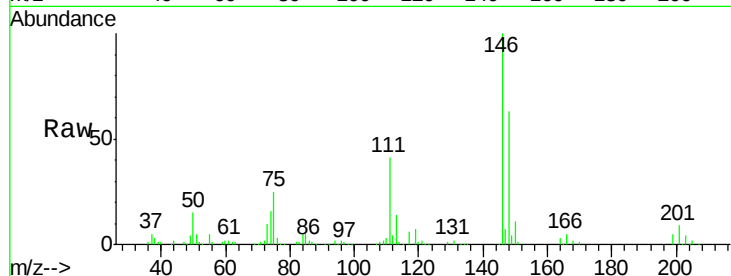
Tot Ion:146 Resp: 148707

Ion Ratio Lower Upper

146 100

111 40.9 20.2 60.5

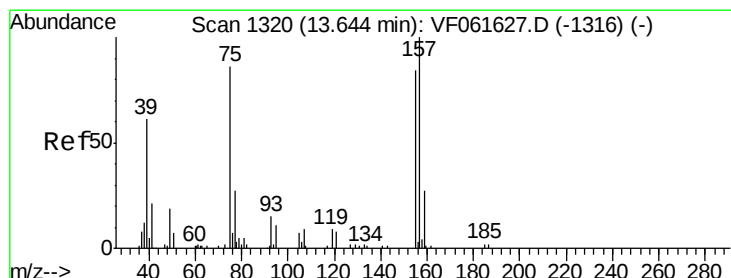
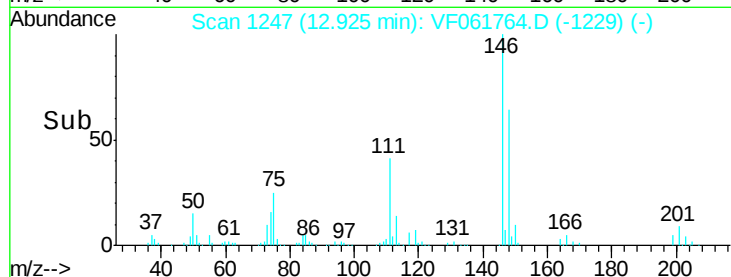
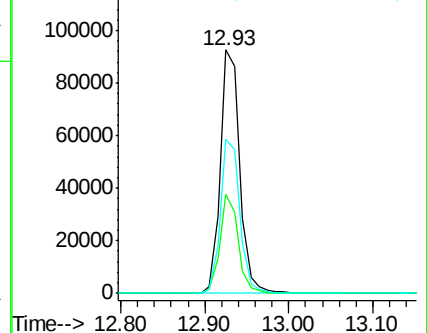
148 63.5 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.129 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

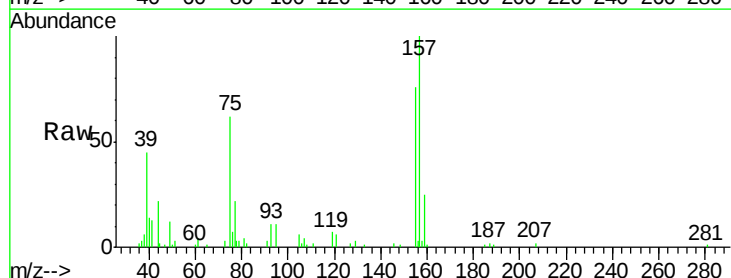
Tgt Ion: 75 Resp: 9054

Ion Ratio Lower Upper

75 100

155 123.3 48.9 146.8

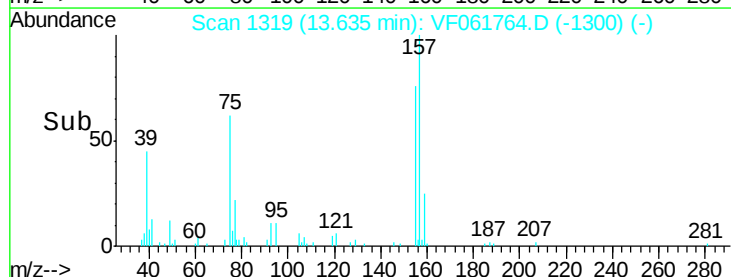
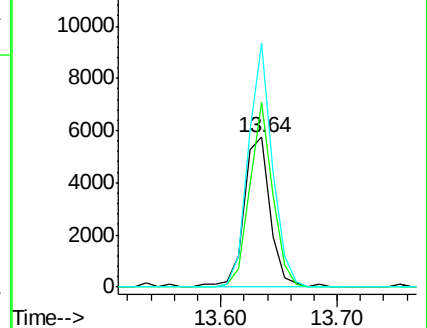
157 162.2 58.3 174.8

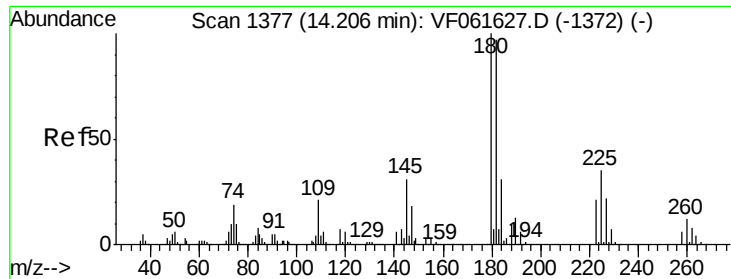


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

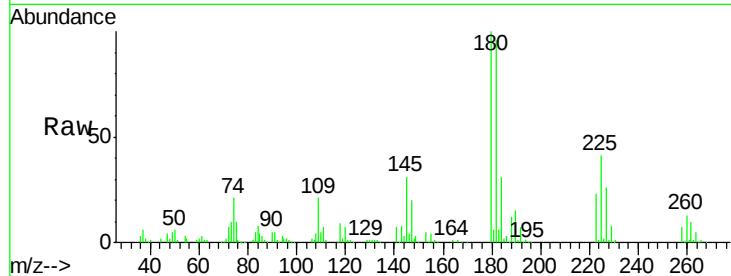




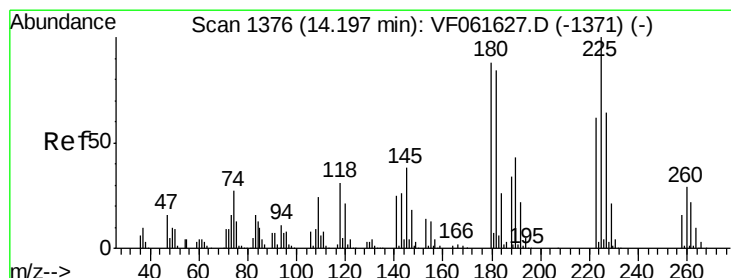
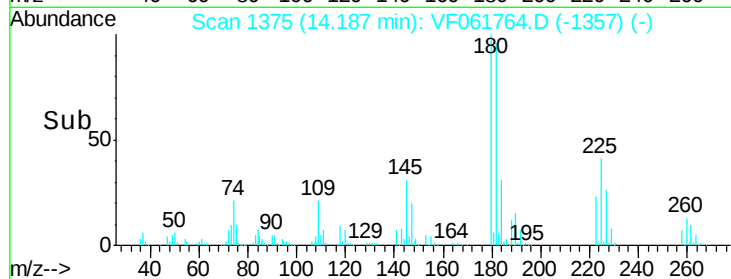
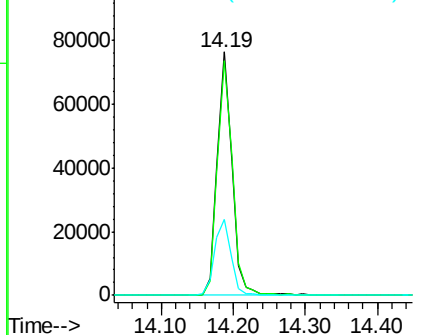
#93
 1,2,4-Trichlorobenzene
 Concen: 20.661 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0227SBS01

Tot Ion:180 Resp: 107429
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.6 145.9
 145 31.4 15.3 45.9

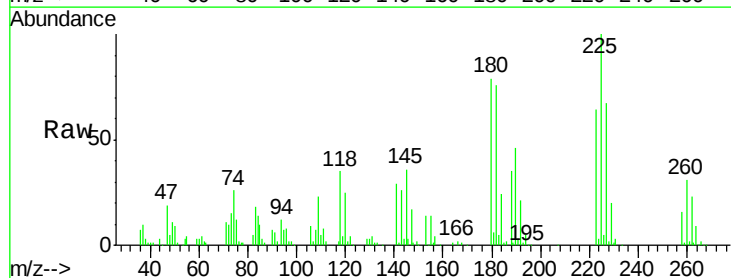


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

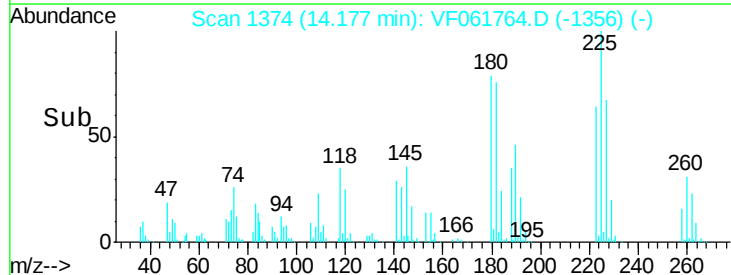
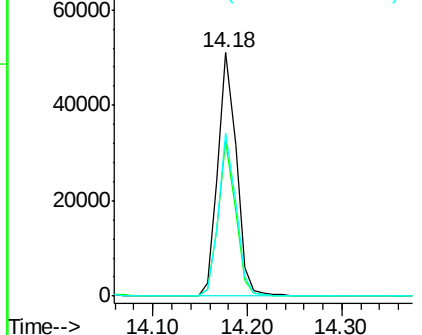


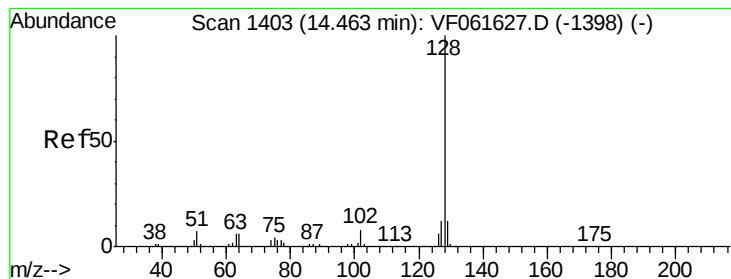
#94
 Hexachlorobutadiene
 Concen: 21.841 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Tgt Ion:225 Resp: 70138
 Ion Ratio Lower Upper
 225 100
 223 64.0 30.9 92.7
 227 66.8 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: 19.787 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :

MSVOA_F

ClientSampleId :

VF0227SBS01

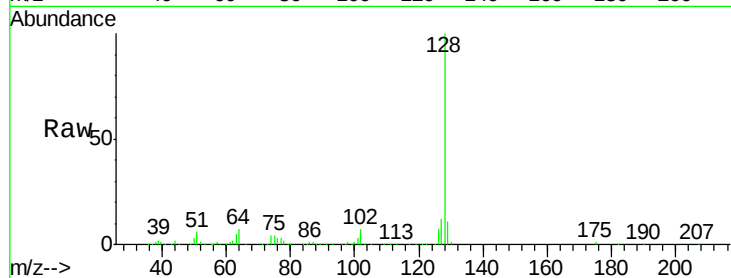
Tot Ion:128 Resp: 180010

Ion Ratio Lower Upper

128 100

127 12.1 9.8 14.6

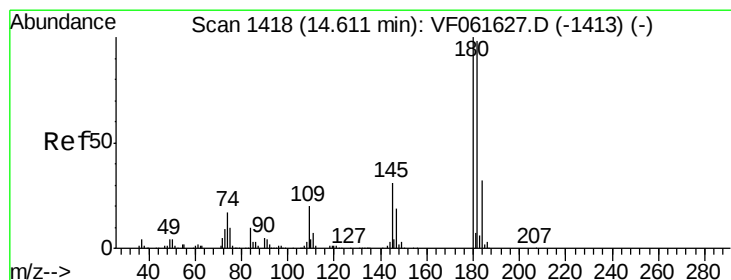
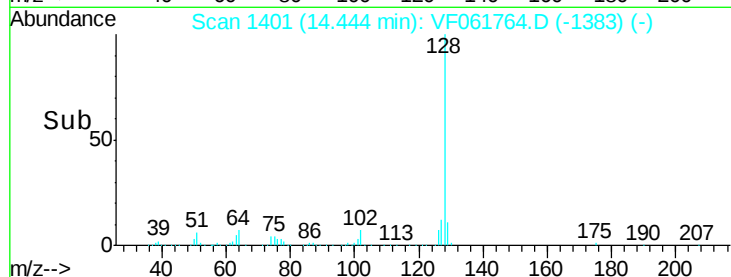
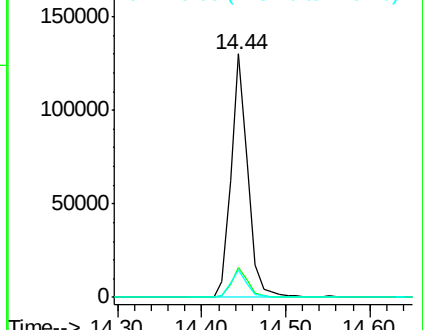
129 11.3 9.4 14.2



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: 21.230 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.02 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

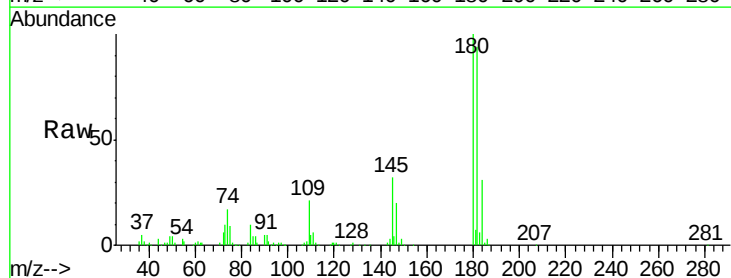
Tgt Ion:180 Resp: 101317

Ion Ratio Lower Upper

180 100

182 93.5 49.0 147.2

145 31.9 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

