

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 :

Quant Time: Feb 28 00:30:31 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	73524	18.254	ug/l	97
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	100783	18.157	ug/l	99
11) Tert butyl alcohol	2.56	59	15252	120.543	ug/l	93
12) 1,1-Dichloroethene	1.79	96	50106	19.613	ug/l	97
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	144463	17.990	ug/l	98
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	32417	10.927	ug/l	87
21) trans-1,2-Dichloroethene	2.30	96	48188	17.351	ug/l	98
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	55629	11.284	ug/l	96
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	22398	24.222	ug/l	94
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

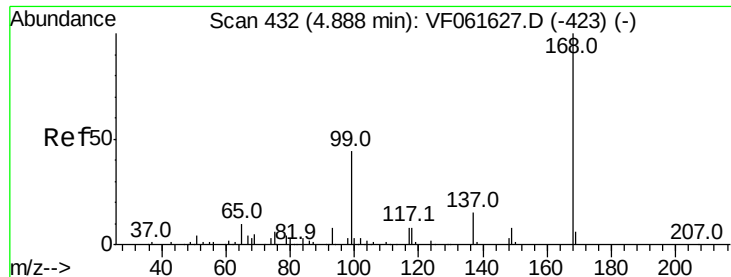
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Response via : Initial Calibration

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

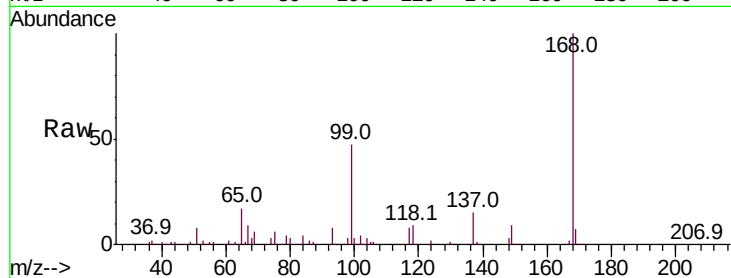
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 298135

Ion Ratio Lower Upper

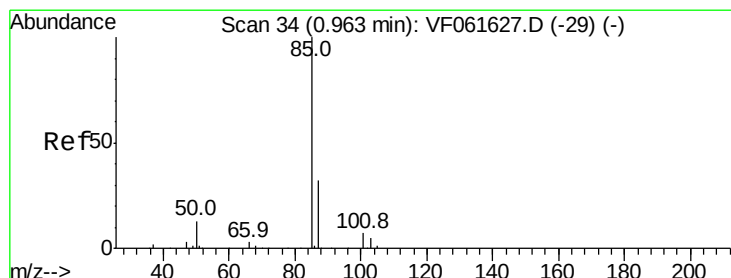
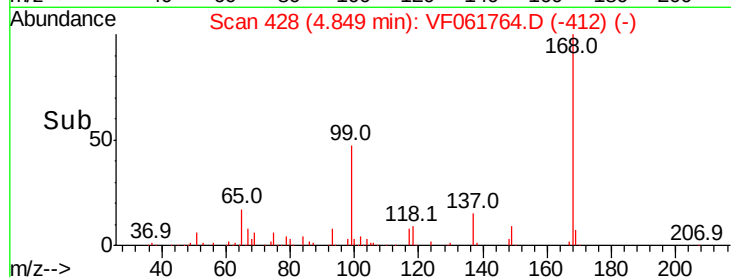
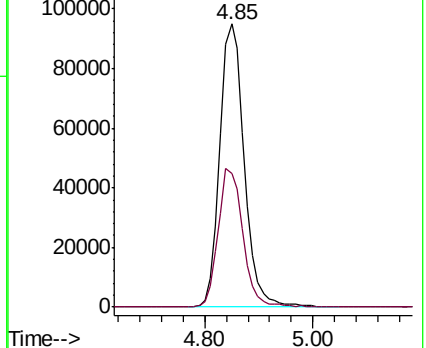
168 100

99 47.3 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 25.624 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061764.D

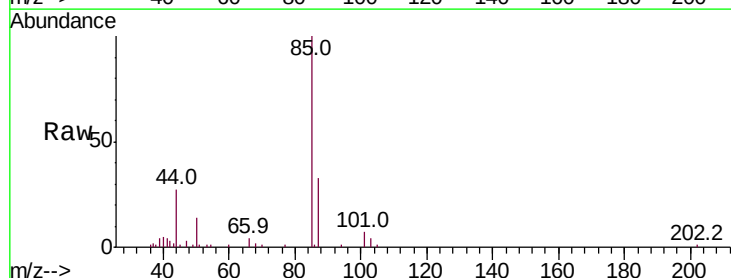
Acq: 27 Feb 2019 14:11

Tgt Ion: 85 Resp: 87731

Ion Ratio Lower Upper

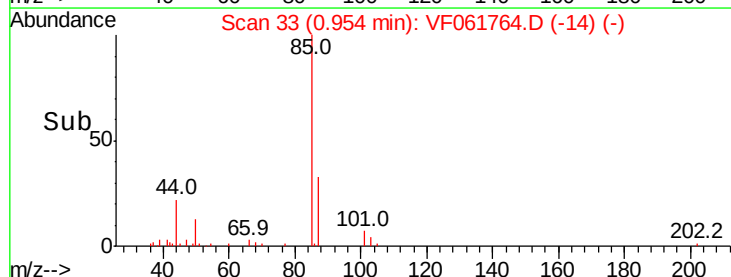
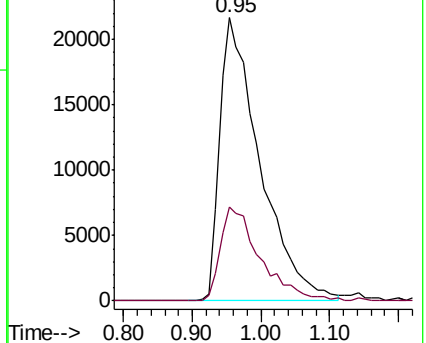
85 100

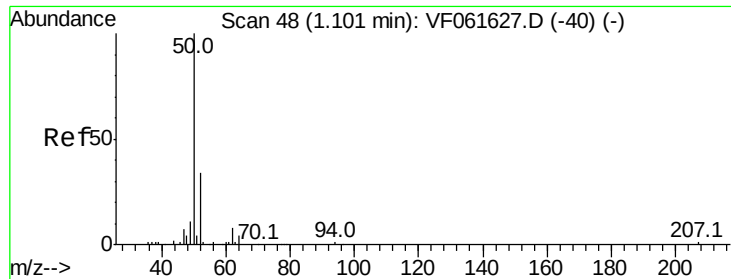
87 33.2 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#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

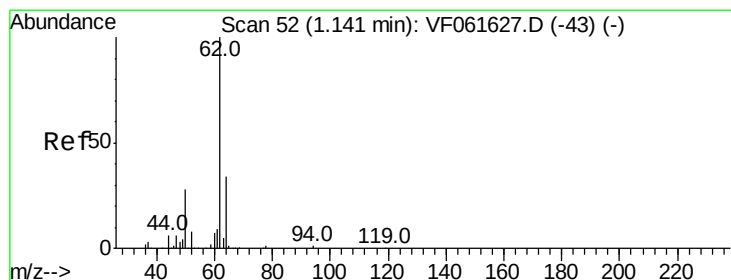
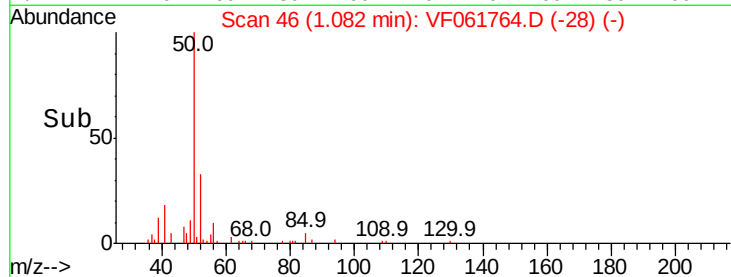
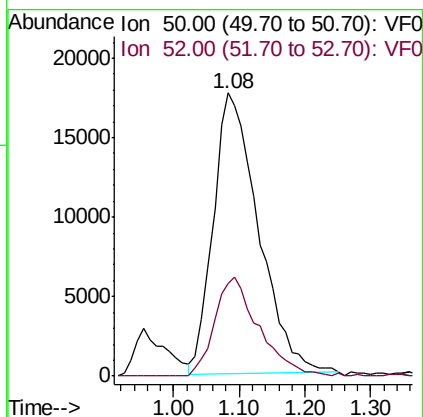
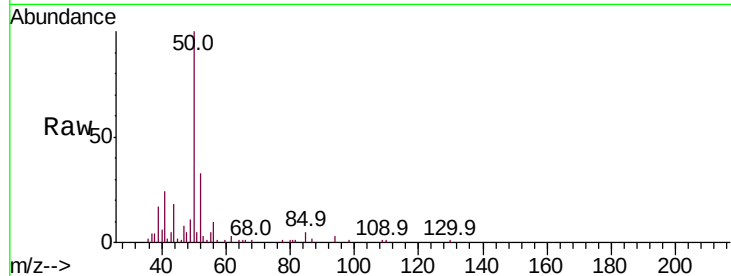
ClientSampleId :

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

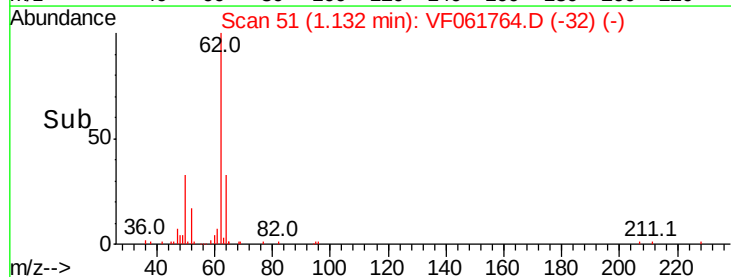
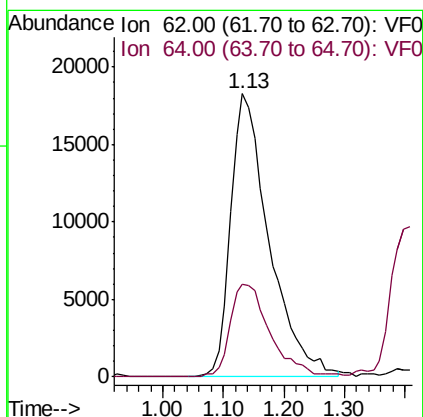
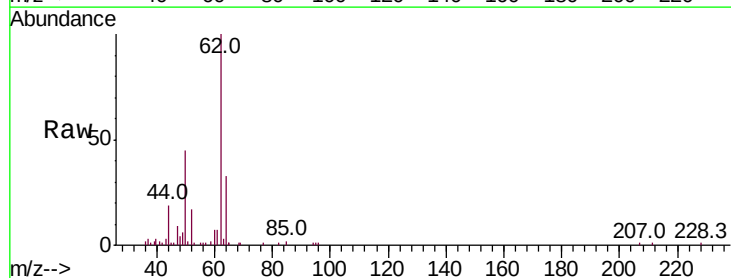
Acq: 27 Feb 2019 14:11

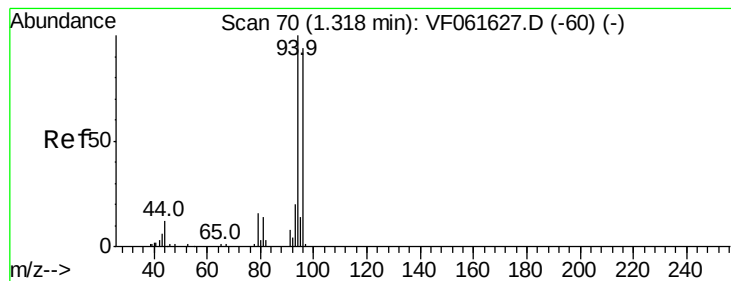
Tgt Ion: 62 Resp: 80887

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

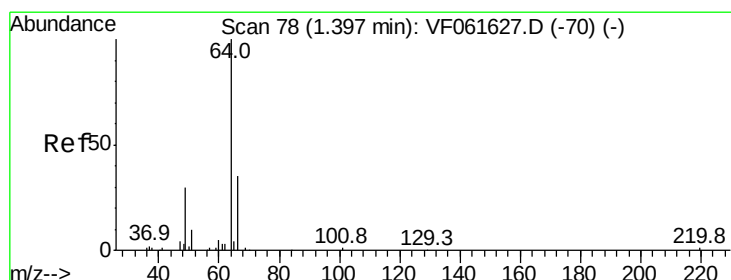
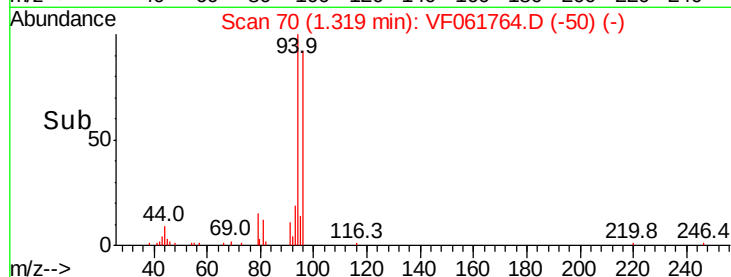
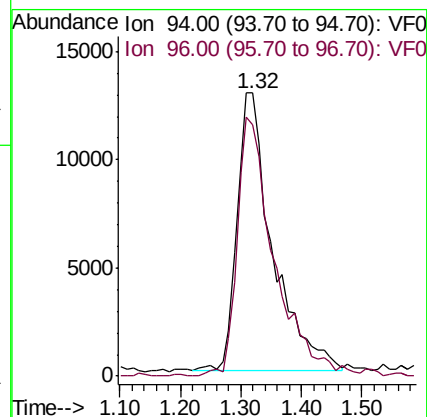
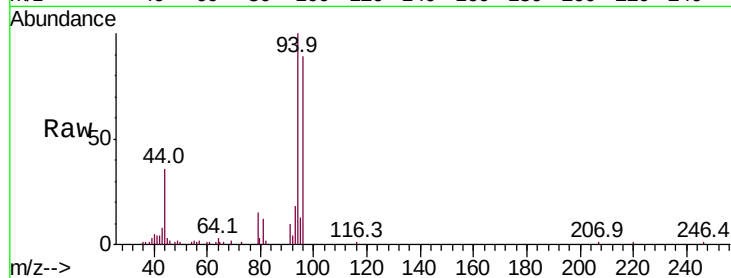
ClientSampled :

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

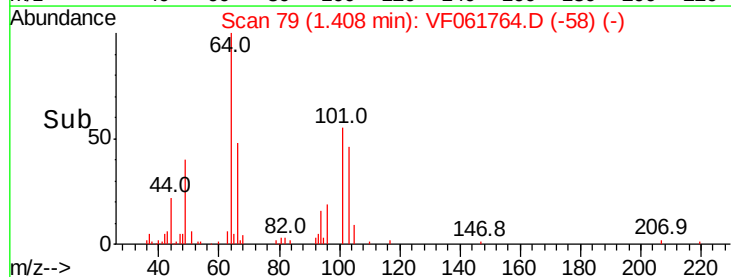
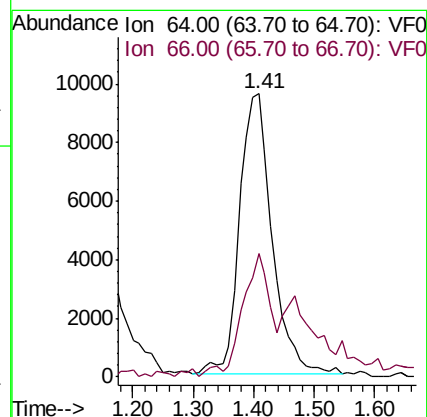
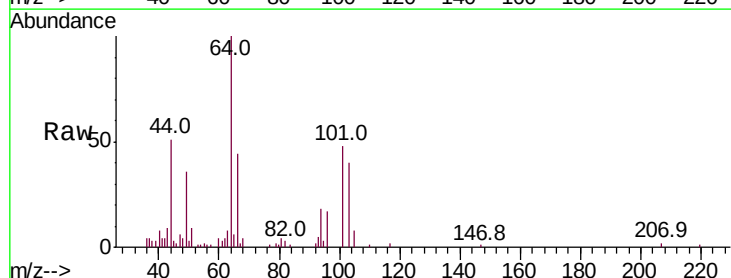
Acq: 27 Feb 2019 14:11

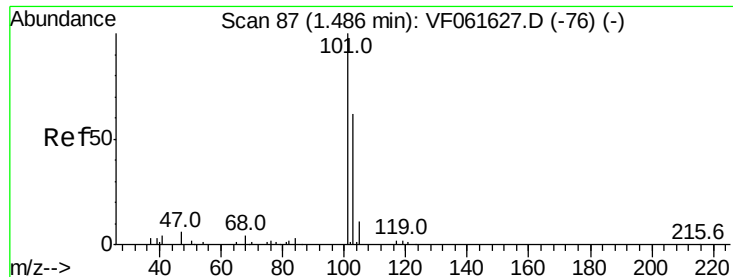
Tgt Ion: 64 Resp: 35517

Ion Ratio Lower Upper

64 100

66 43.7 27.9 41.9#





#7

Trichlorofluoromethane

Concen: 18.254 ug/l

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

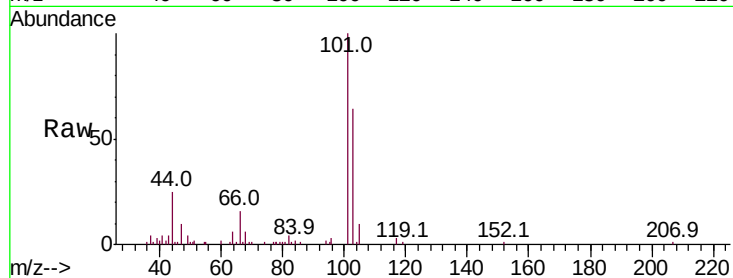
ClientSampleId :

Tot Ion:101 Resp: 73524

Ion Ratio Lower Upper

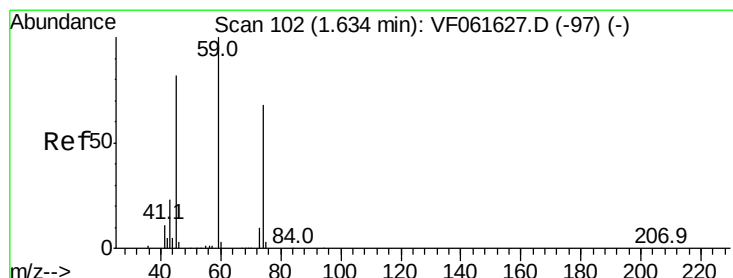
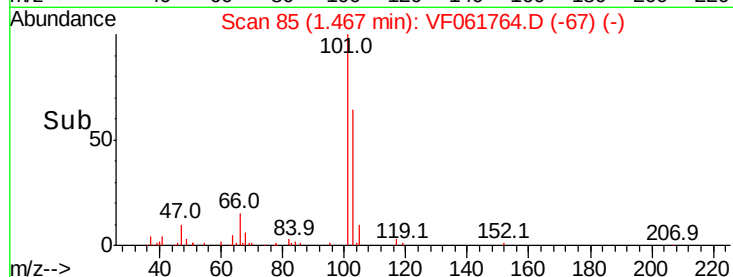
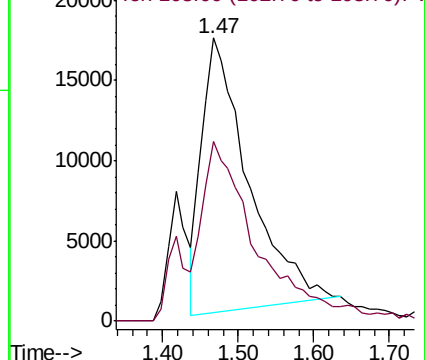
101 100

103 63.6 49.3 73.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 19.936 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061764.D

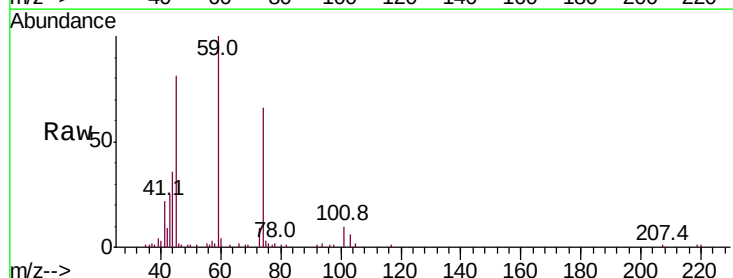
Acq: 27 Feb 2019 14:11

Tgt Ion: 74 Resp: 20236

Ion Ratio Lower Upper

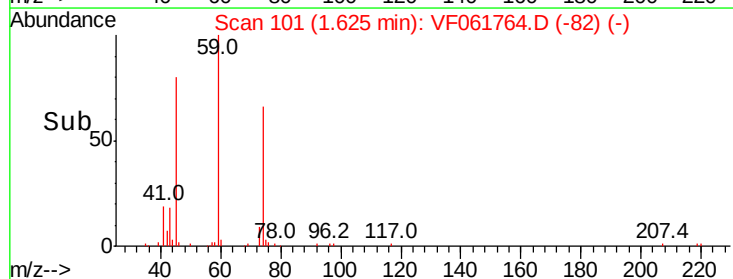
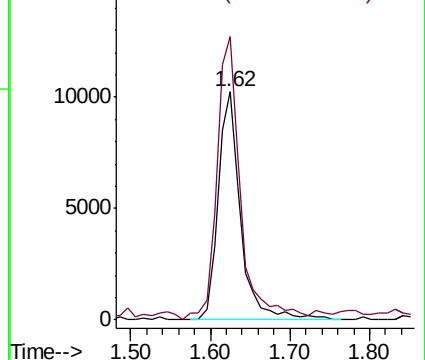
74 100

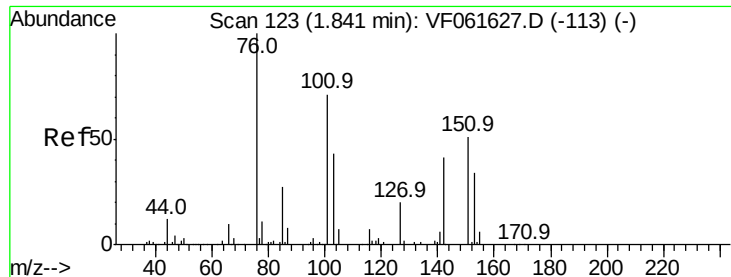
45 124.3 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 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 :

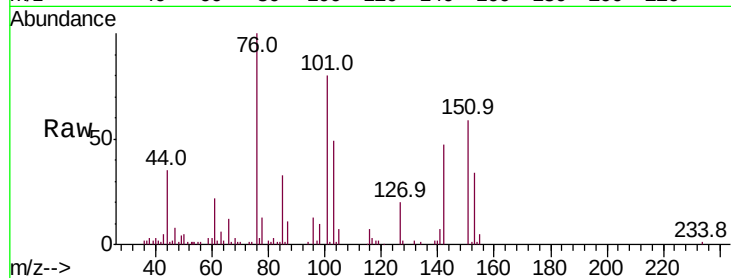
Tot Ion:101 Resp: 69598

Ion Ratio Lower Upper

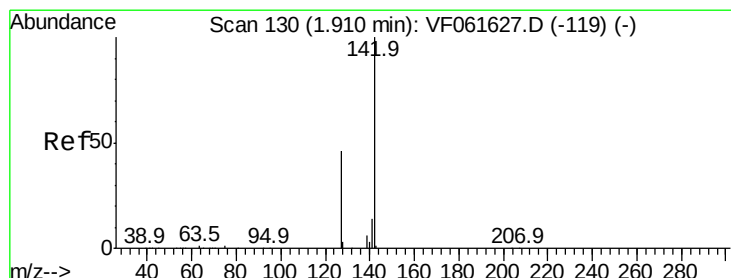
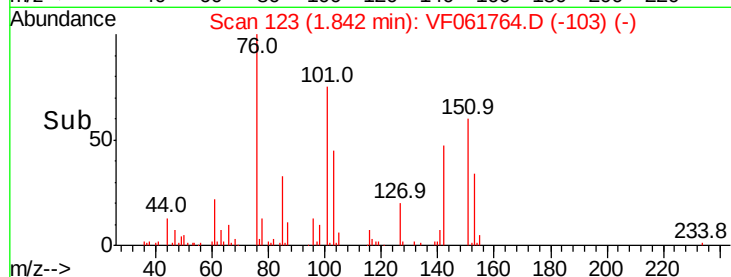
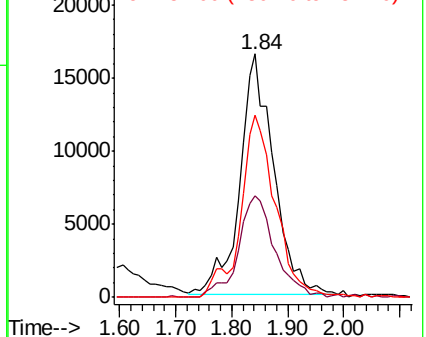
101 100

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: 18.157 ug/l

RT: 1.91 min Scan# 130

Delta R.T. 0.00 min

Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

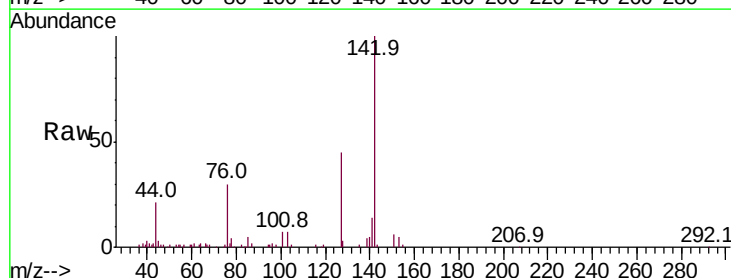
Tgt Ion:142 Resp: 100783

Ion Ratio Lower Upper

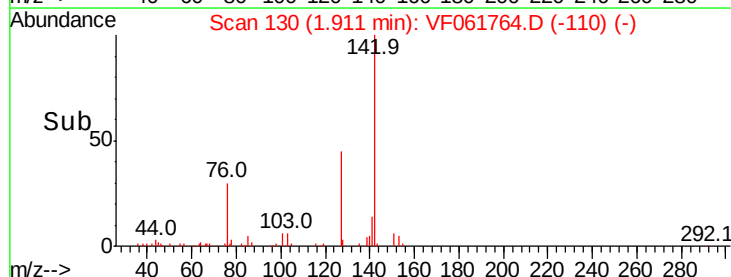
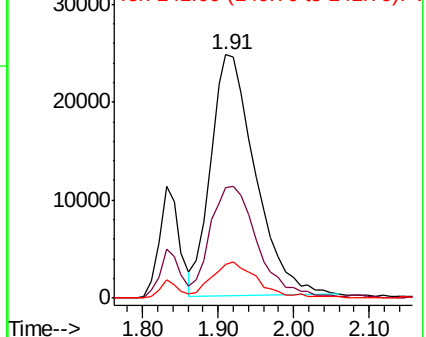
142 100

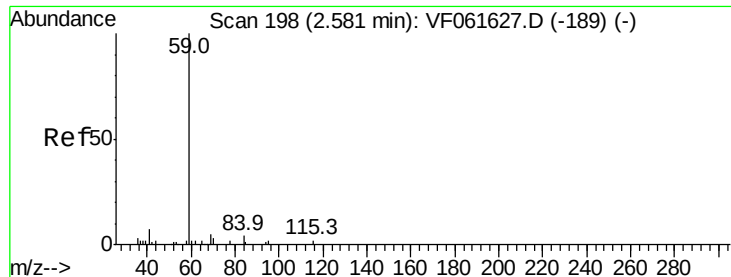
127 45.1 36.6 55.0

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



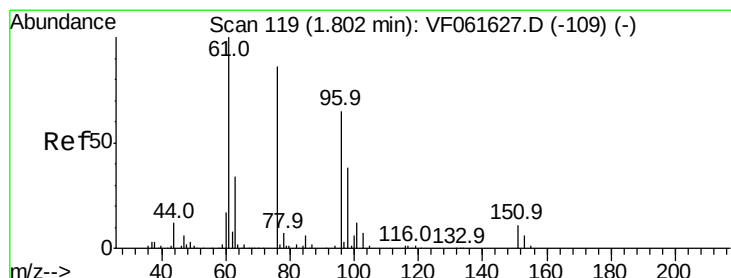
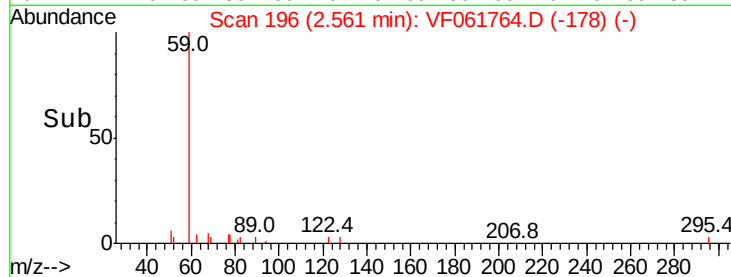
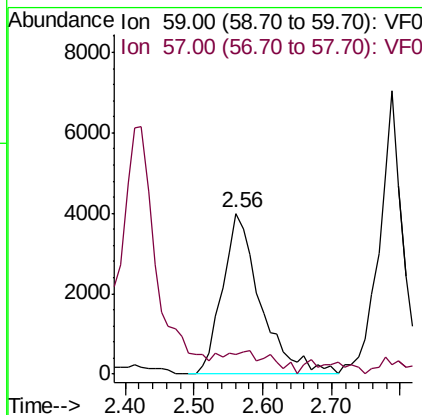
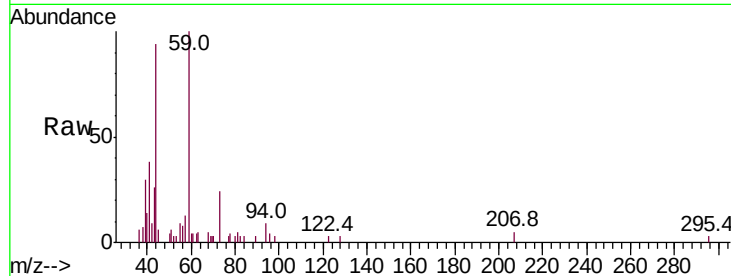


#11

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 :

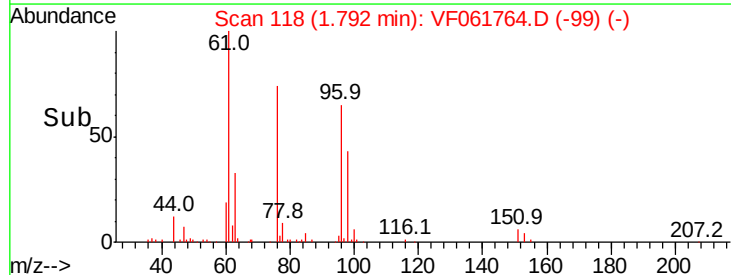
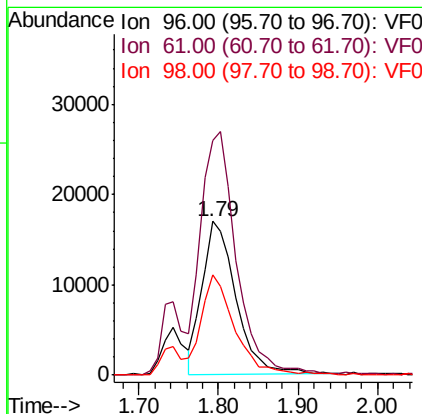
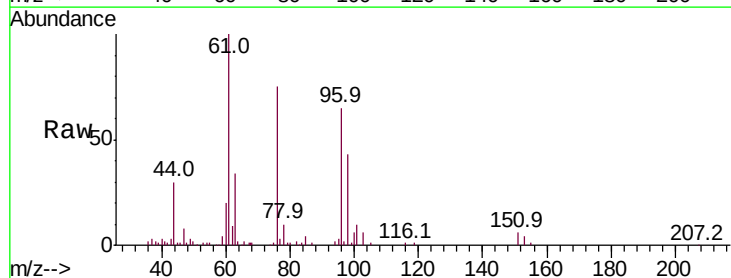
Tot Ion: 59 Resp: 15252
 Ion Ratio Lower Upper
 59 100
 57 12.6 12.5 18.7

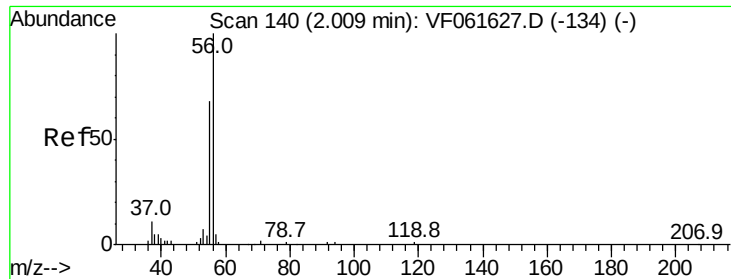


#12

1,1-Dichloroethene
 Concen: 19.613 ug/l
 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: 50106
 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

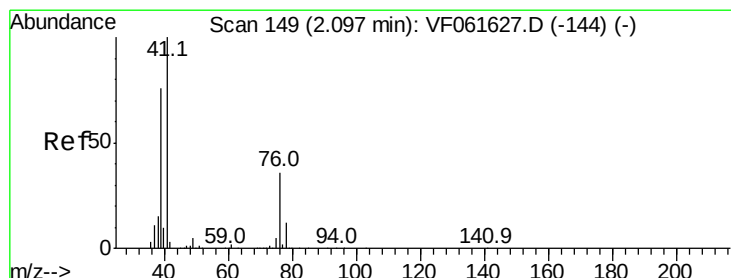
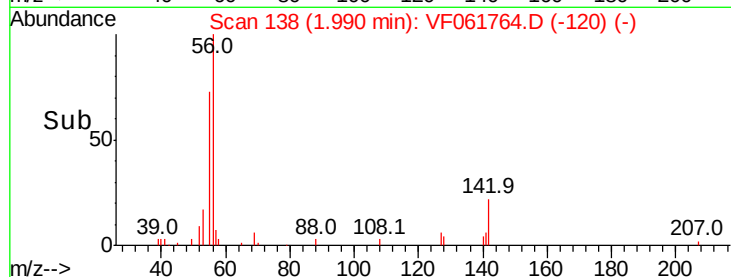
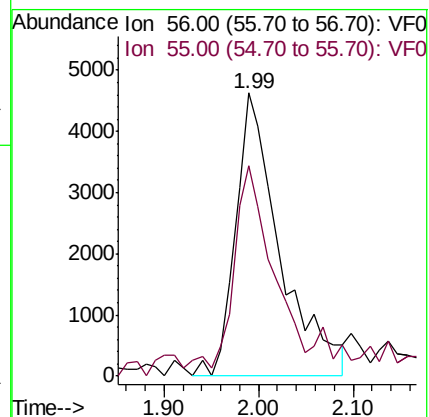
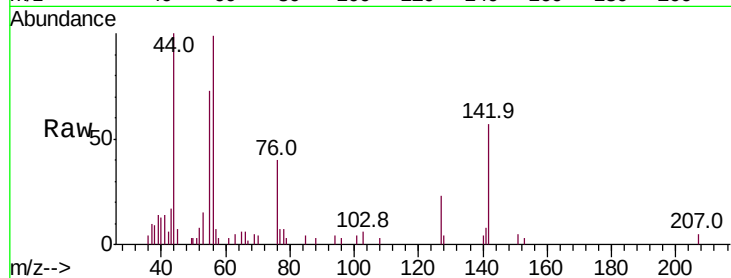
ClientSampled :

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

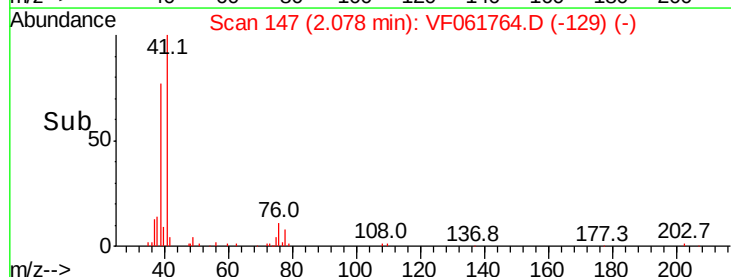
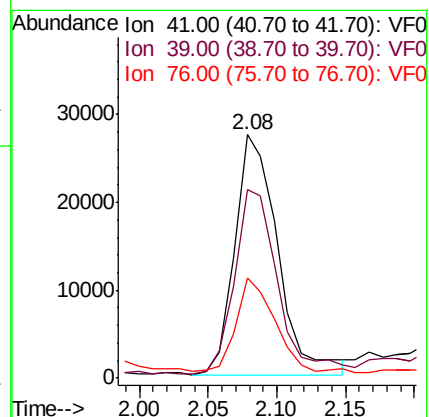
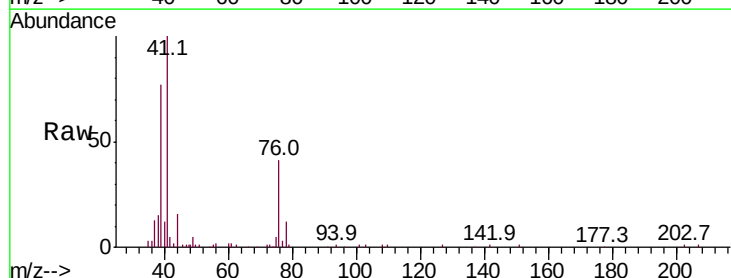
Tgt Ion: 41 Resp: 60208

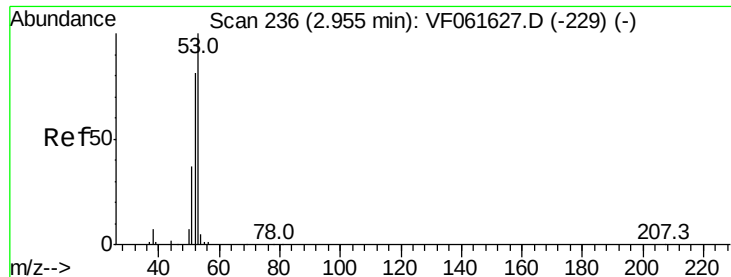
Ion Ratio Lower Upper

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 :

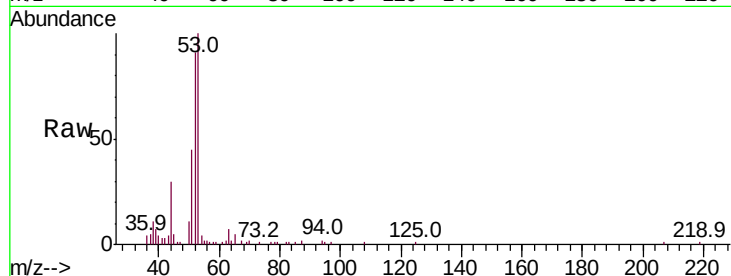
Tot Ion: 53 Resp: 42465

Ion Ratio Lower Upper

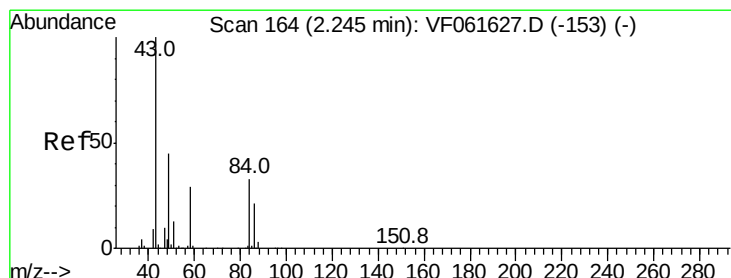
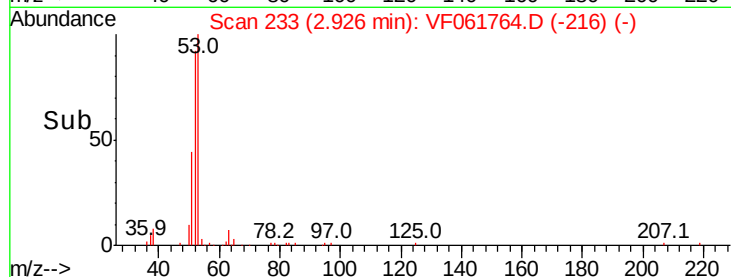
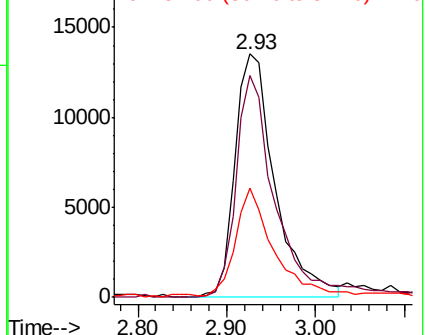
53 100

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

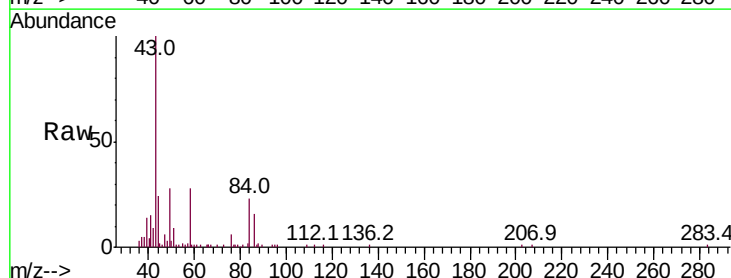
Acq: 27 Feb 2019 14:11

Tgt Ion: 43 Resp: 60314

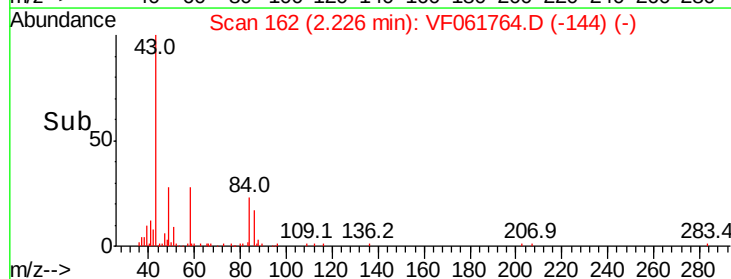
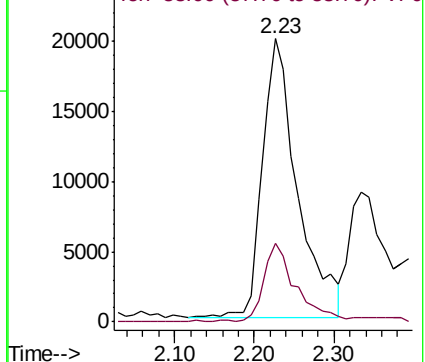
Ion Ratio Lower Upper

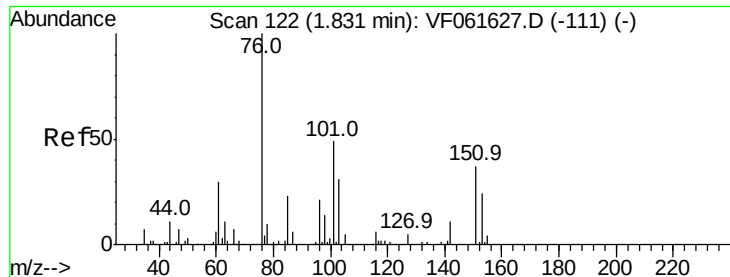
43 100

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

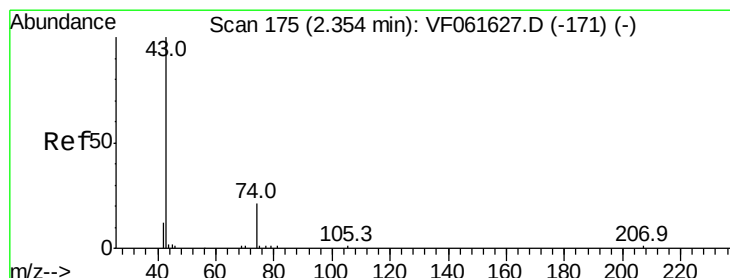
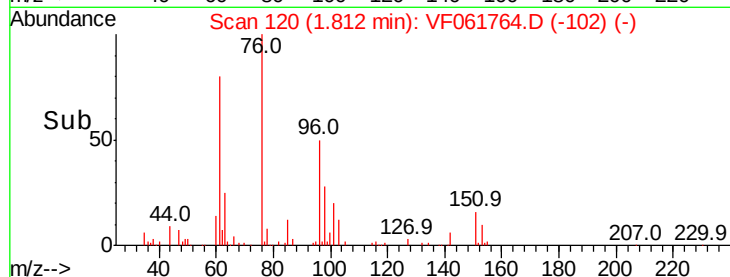
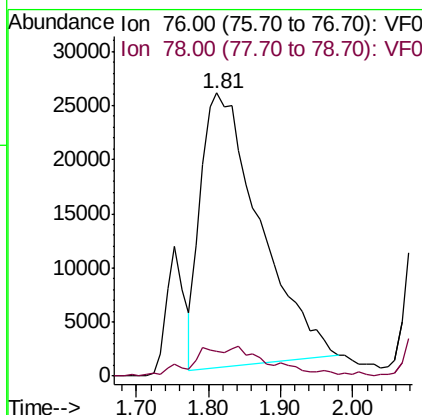
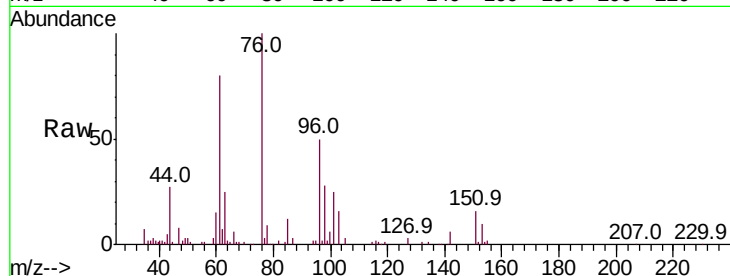




#17
Carbon Disulfide
Concen: 17.990 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.02 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

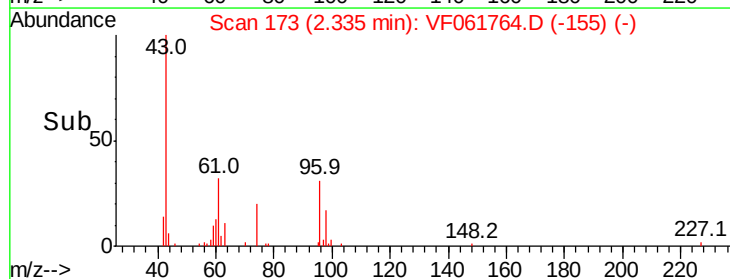
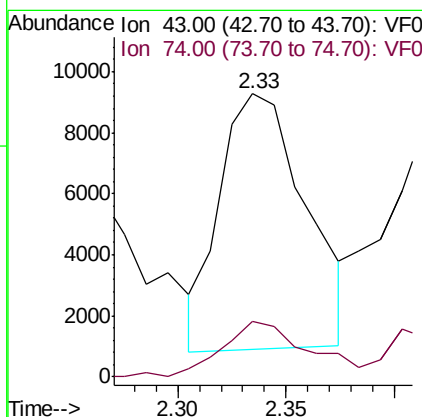
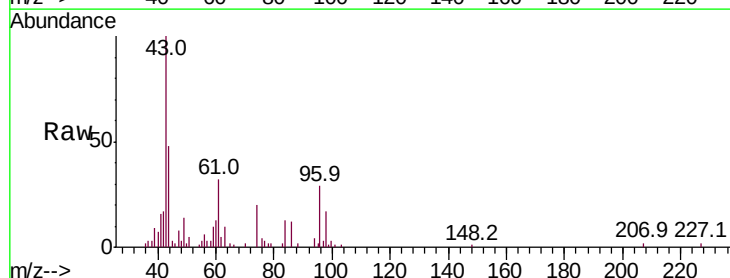
Instrument :
MSVOA_F
ClientSampled :

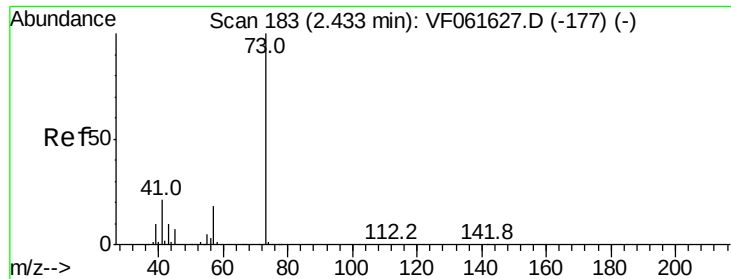
Tot Ion: 76 Resp: 144463
Ion Ratio Lower Upper
76 100
78 9.2 7.9 11.9



#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



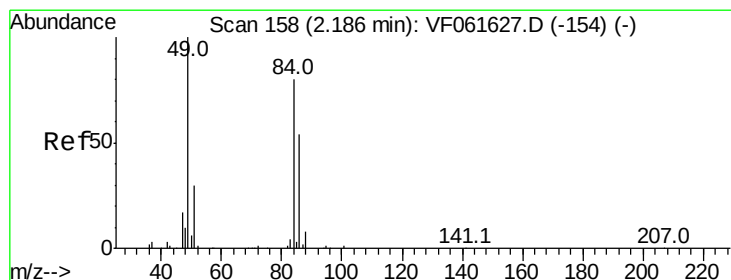
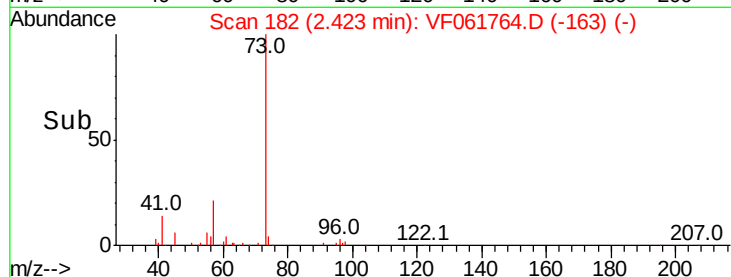
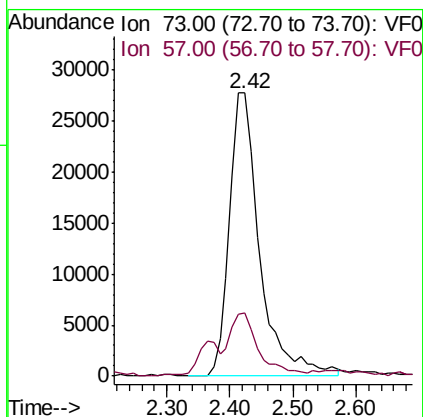
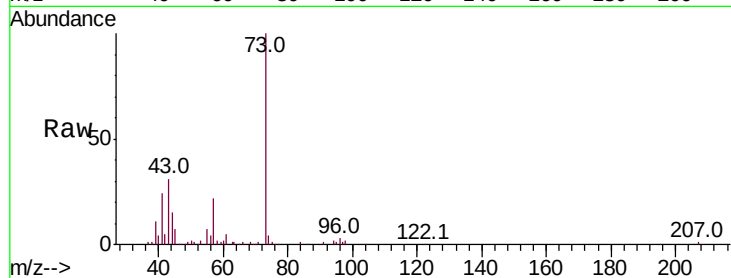


#19

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 :

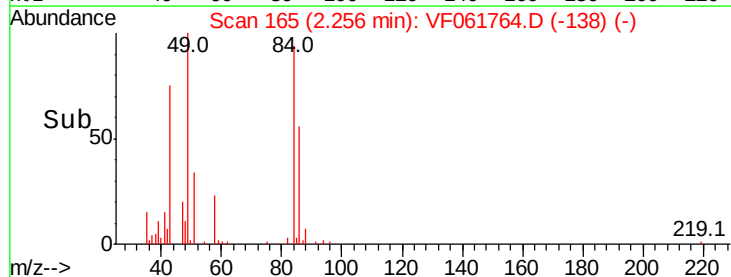
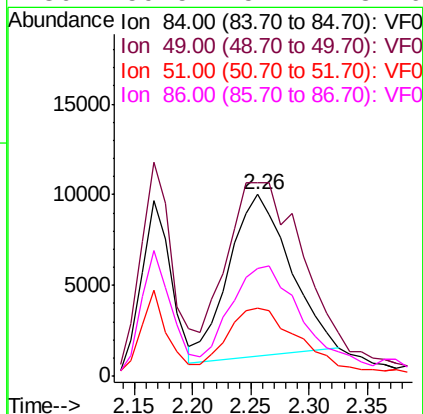
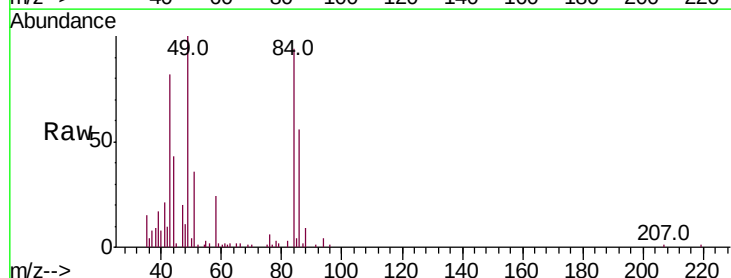
Tot Ion: 73 Resp: 92411
 Ion Ratio Lower Upper
 73 100
 57 22.1 15.8 23.8

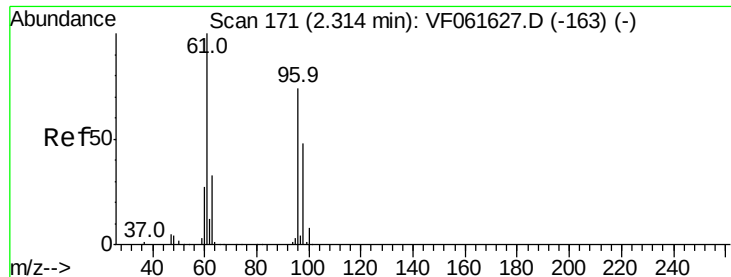


#20

Methylene Chloride
 Concen: 10.927 ug/l
 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: 32417
 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: 17.351 ug/l

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 :

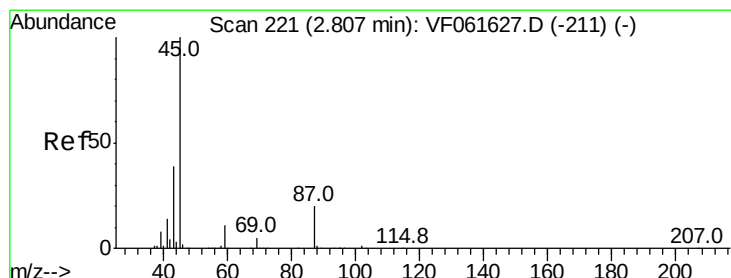
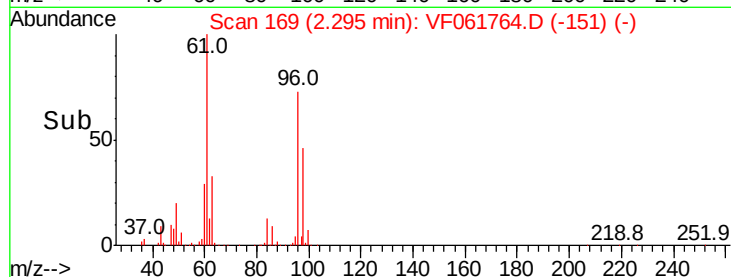
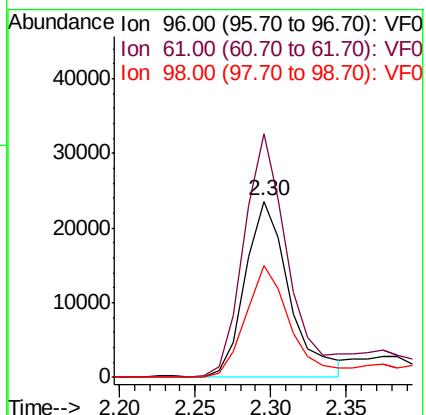
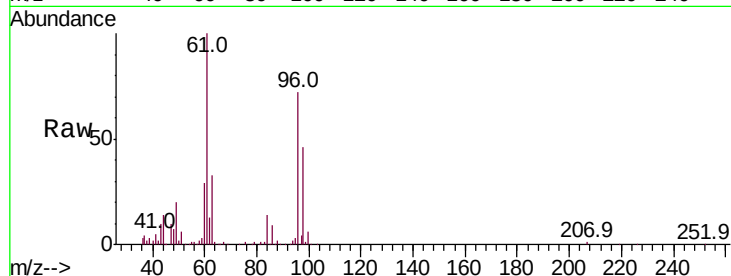
Tot Ion: 96 Resp: 48188

Ion Ratio Lower Upper

96 100

61 138.2 108.2 162.4

98 63.2 52.2 78.2



#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

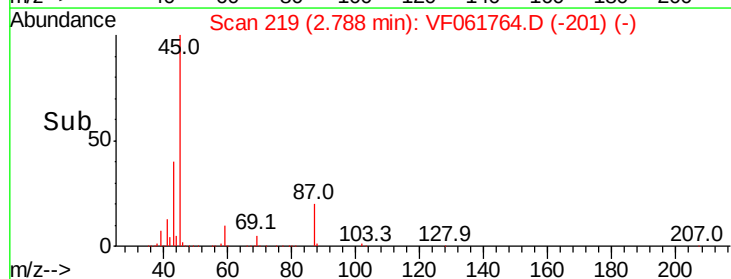
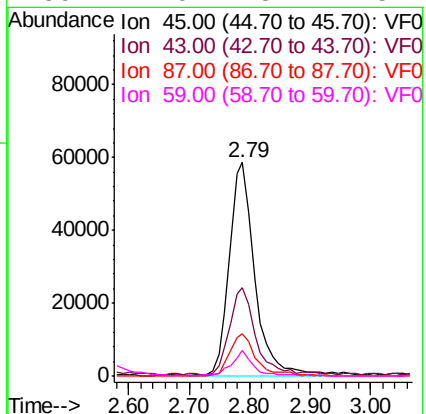
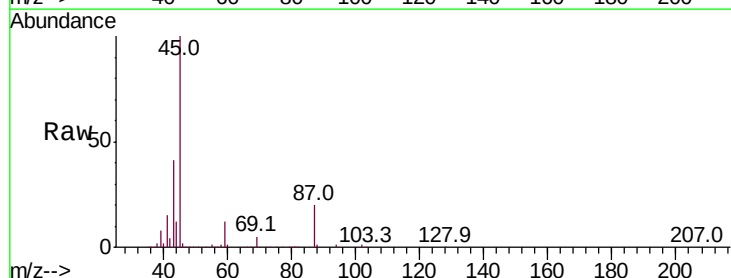
Ion Ratio Lower Upper

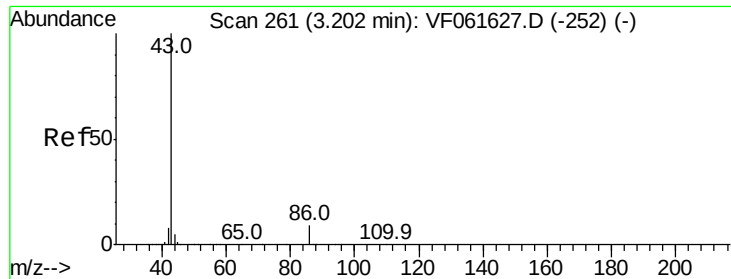
45 100

43 41.3 31.4 47.2

87 19.7 16.3 24.5

59 12.0 8.7 13.1

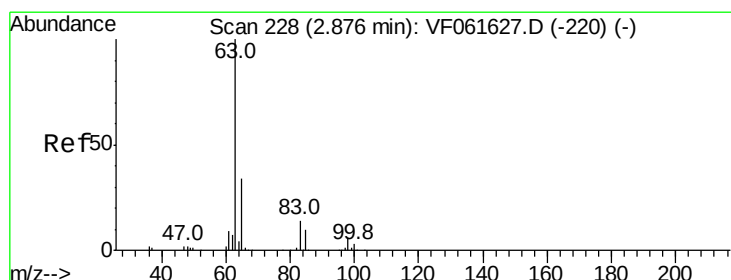
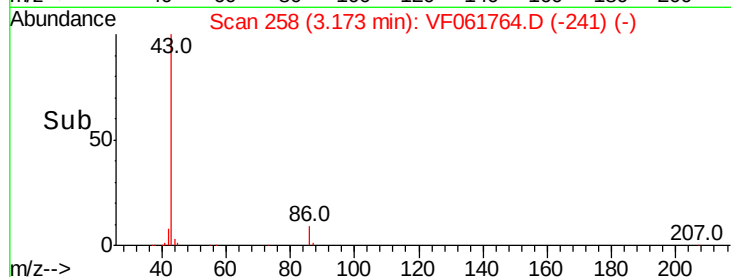
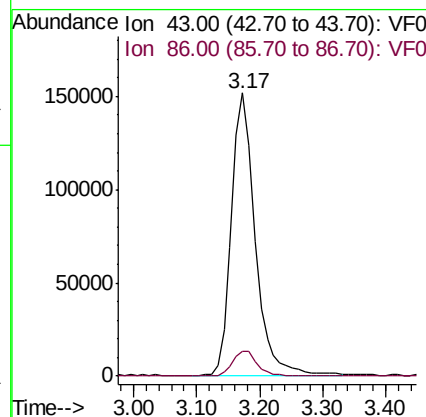
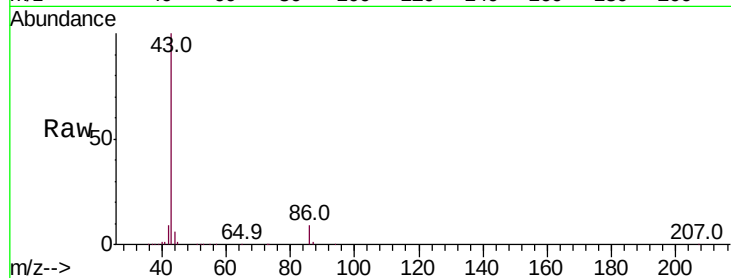




#23
 Vinyl Acetate
 Concen: 107.825 ug/l
 RT: 3.17 min Scan# 258
 Delta R.T. -0.03 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

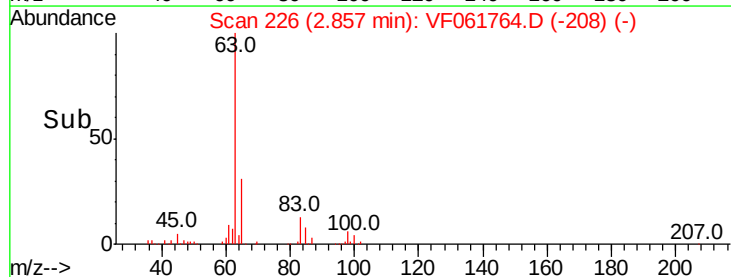
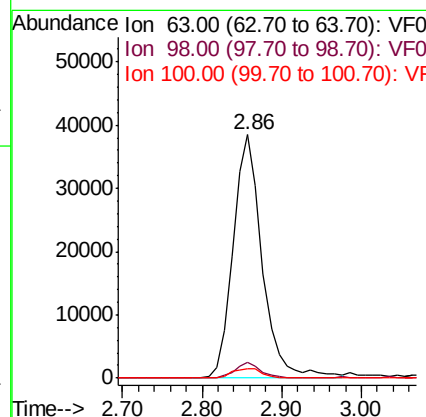
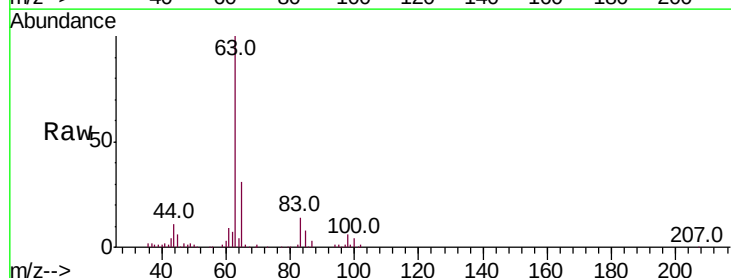
Instrument :
 MSVOA_F
 ClientSampleId :

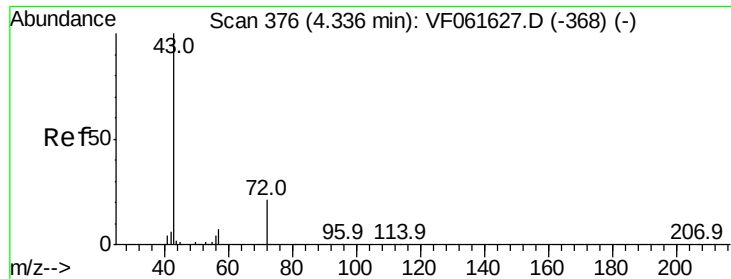
Tot Ion: 43 Resp: 396311
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.5 11.3



#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

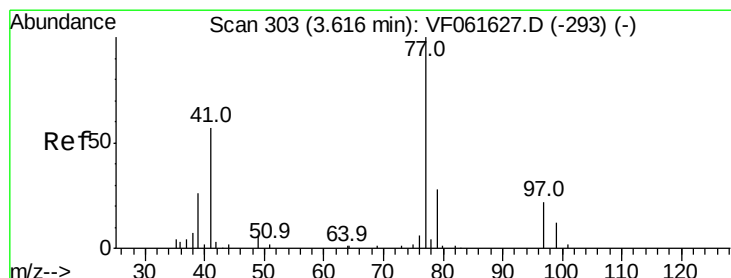
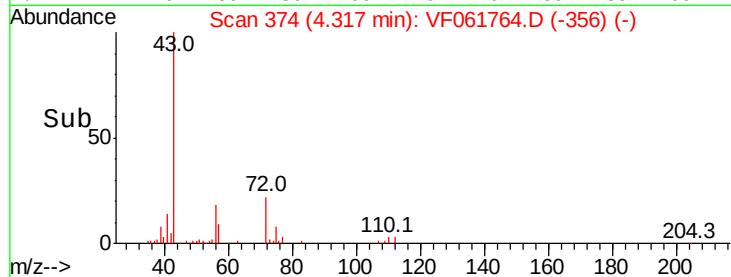
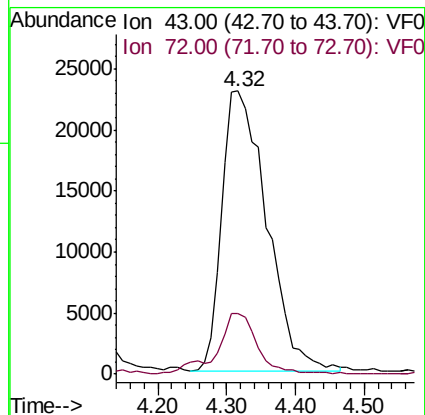
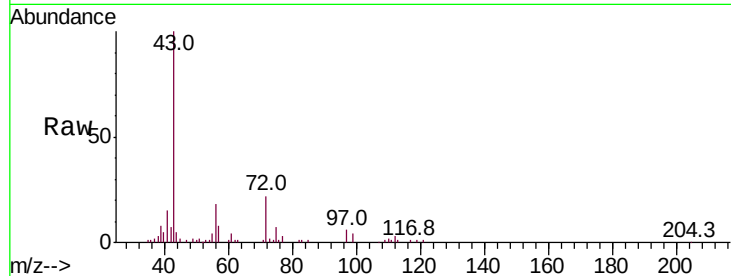
Instrument :
MSVOA_F
ClientSampled :

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

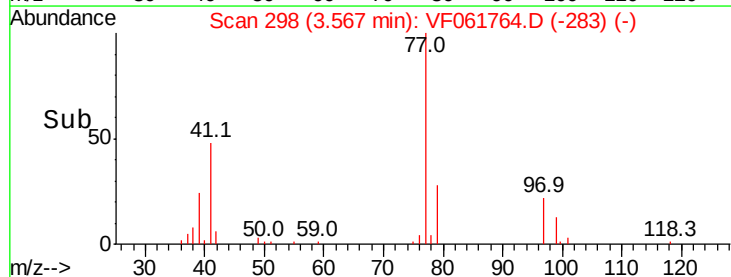
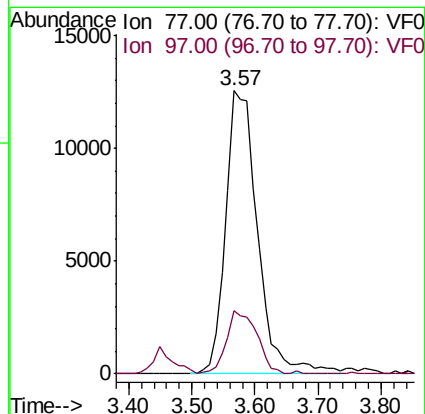
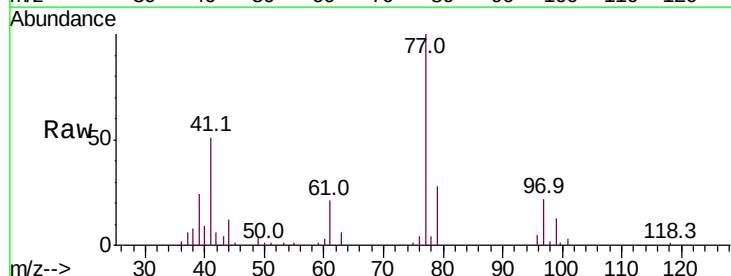
Acq: 27 Feb 2019 14:11

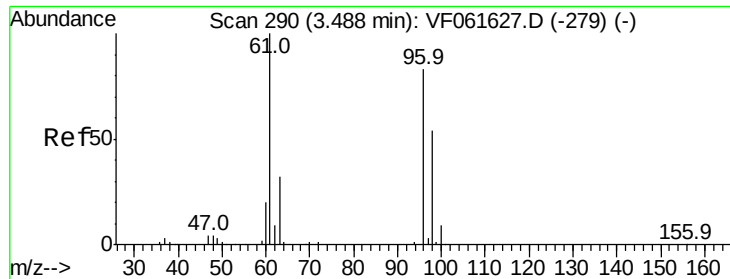
Tgt Ion: 77 Resp: 44170

Ion Ratio Lower Upper

77 100

97 22.4 11.7 35.0



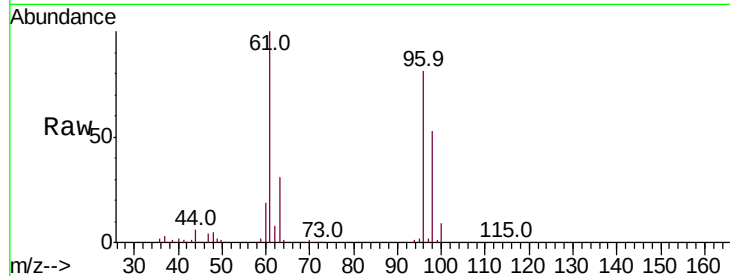


#27

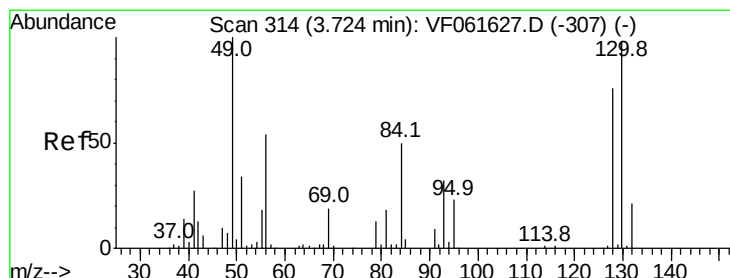
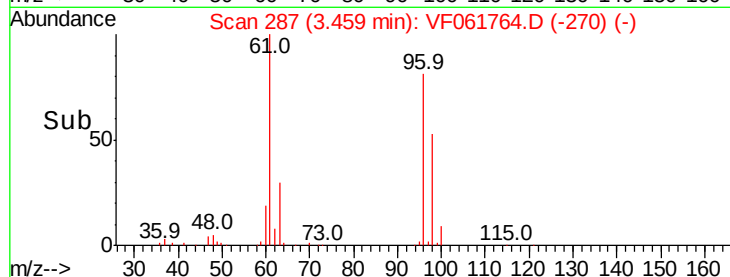
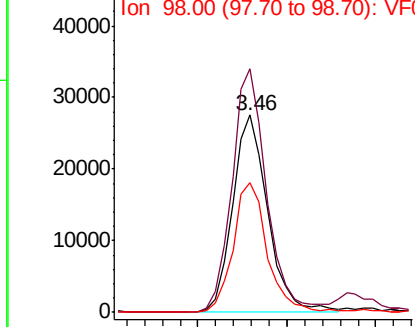
cis-1,2-Dichloroethene
Concen: 20.826 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.03 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

Instrument :
MSVOA_F
ClientSampleId :

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



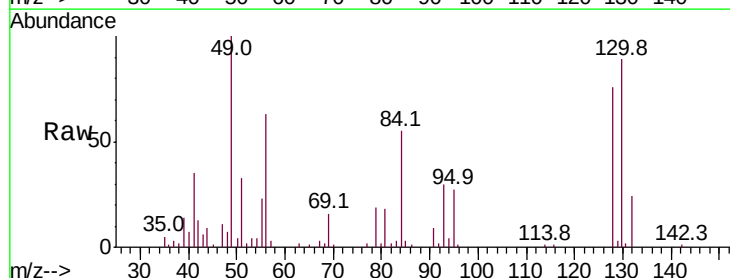
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



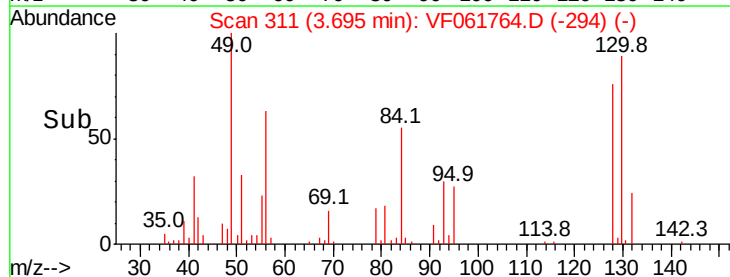
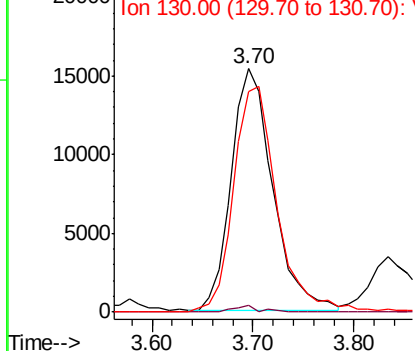
#28

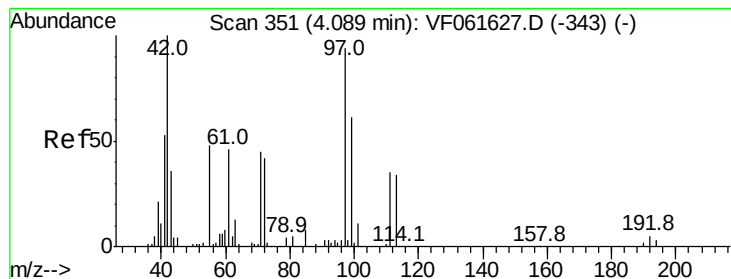
Bromochloromethane
Concen: 20.136 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.03 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

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



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 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 :

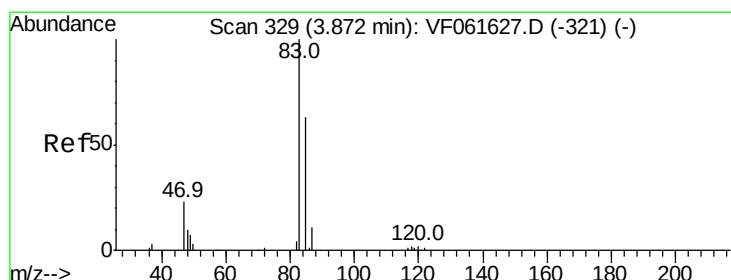
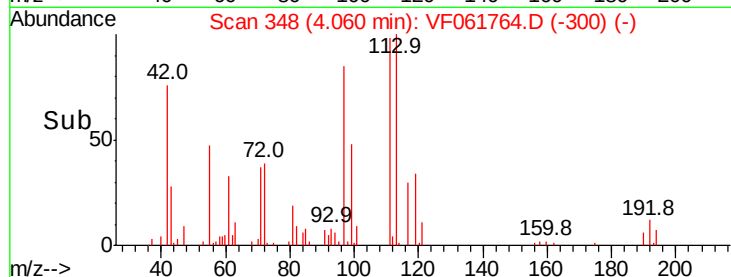
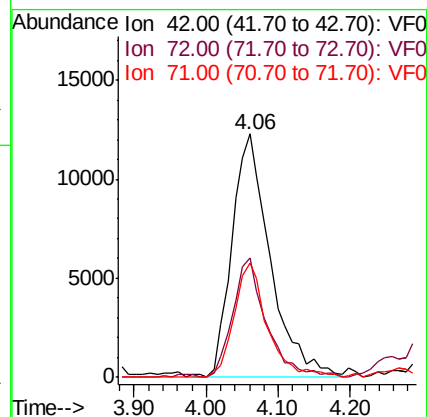
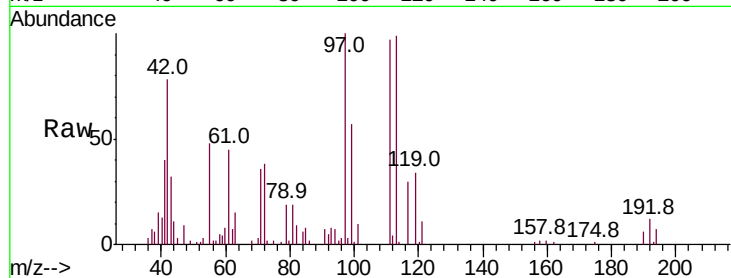
Tot Ion: 42 Resp: 45460

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

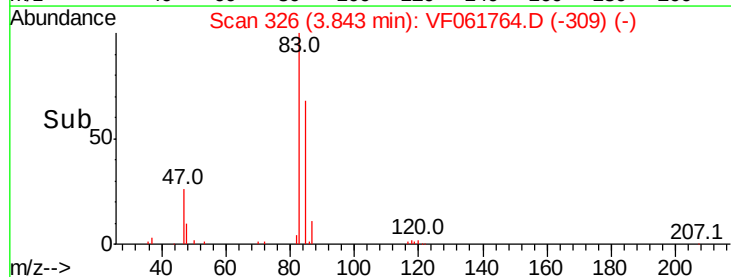
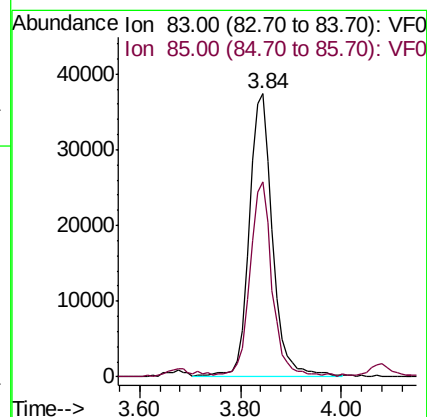
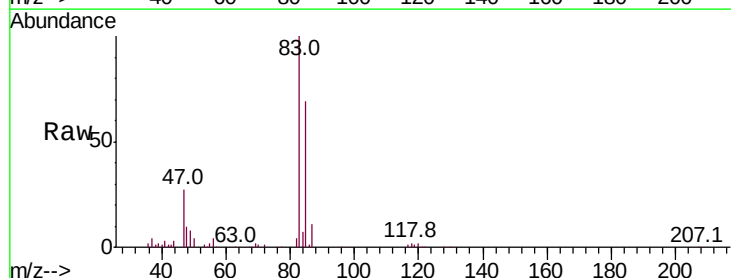
Acq: 27 Feb 2019 14:11

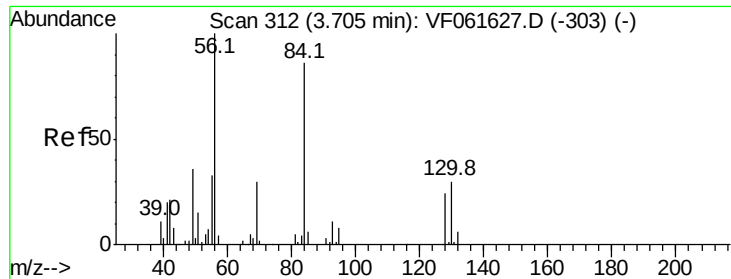
Tgt Ion: 83 Resp: 120472

Ion Ratio Lower Upper

83 100

85 69.1 51.1 76.7

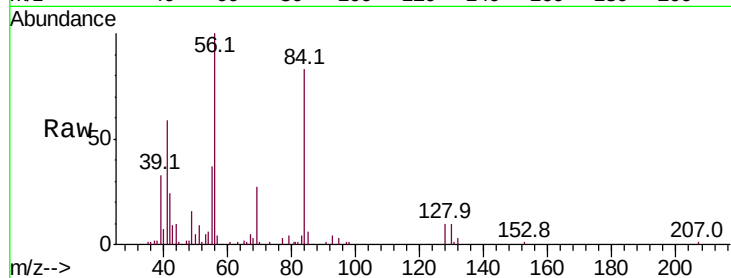




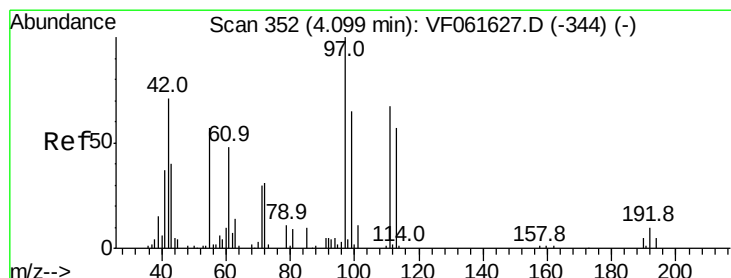
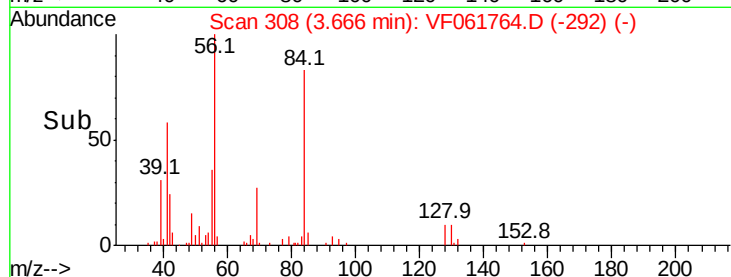
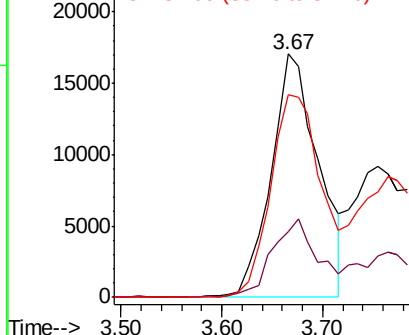
#31
Cyclohexane
Concen: 11.284 ug/l
RT: 3.67 min Scan# 308
Delta R.T. -0.04 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 55629
Ion Ratio Lower Upper
56 100
69 27.0 23.8 35.8
84 83.0 68.6 103.0

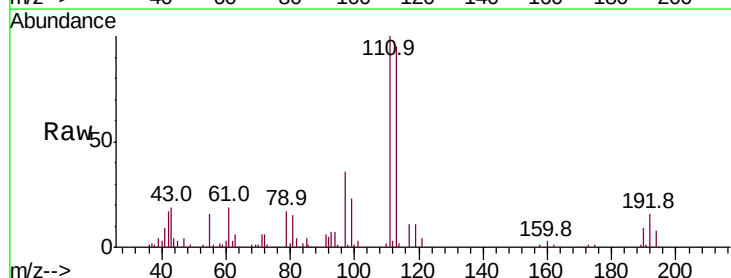


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

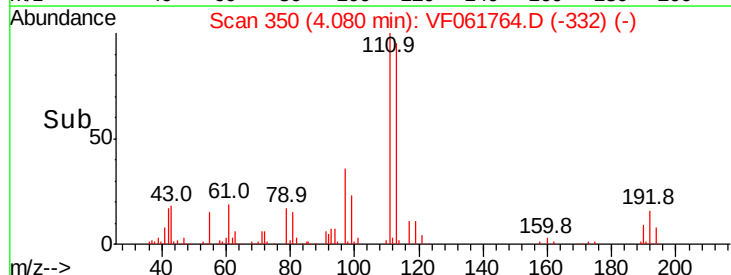
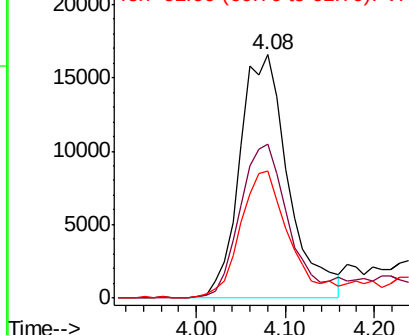


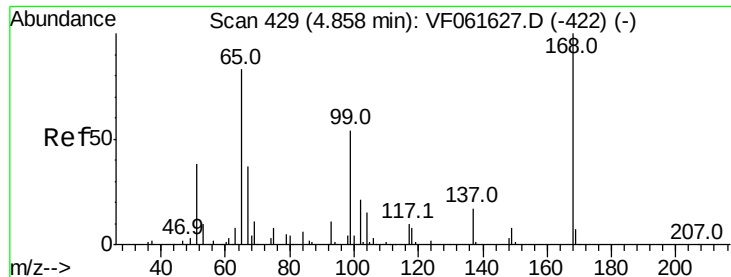
#32
1,1,1-Trichloroethane
Concen: 18.501 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.02 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

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

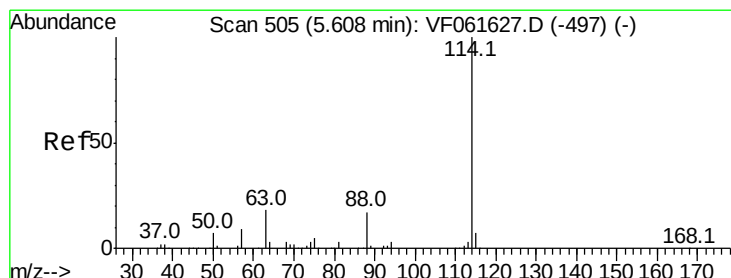
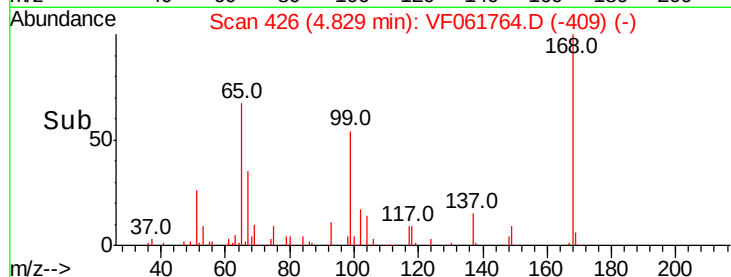
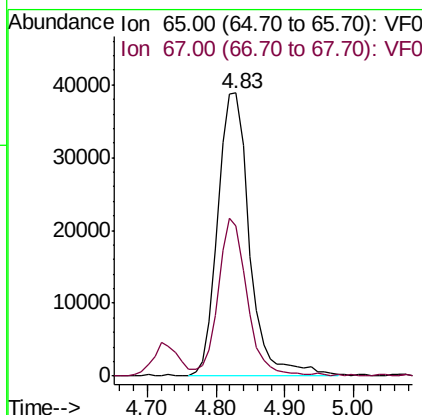
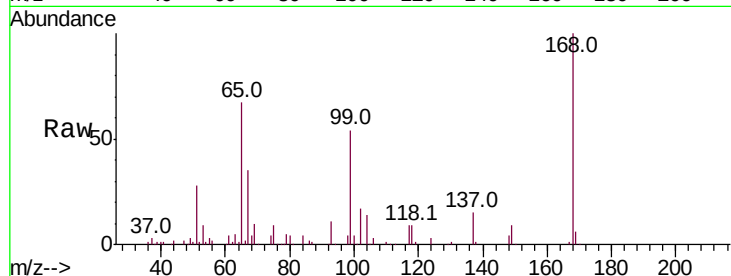




#33
 1,2-Dichloroethane-d4
 Concen: 57.118 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

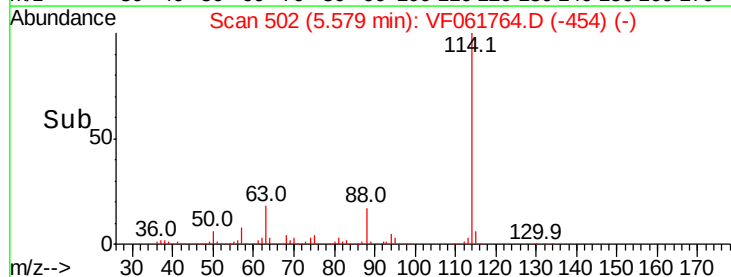
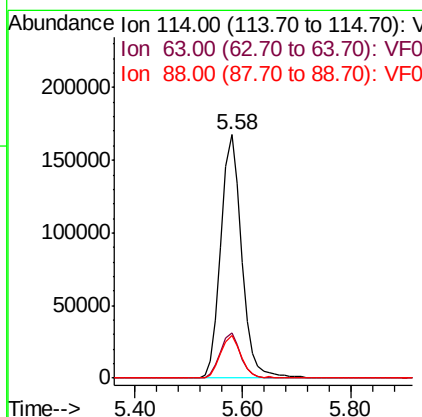
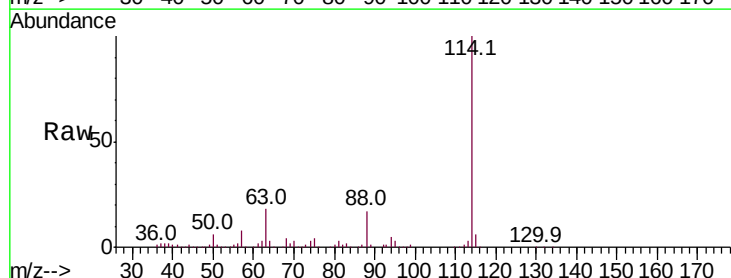
Instrument :
 MSVOA_F
 ClientSampleId :

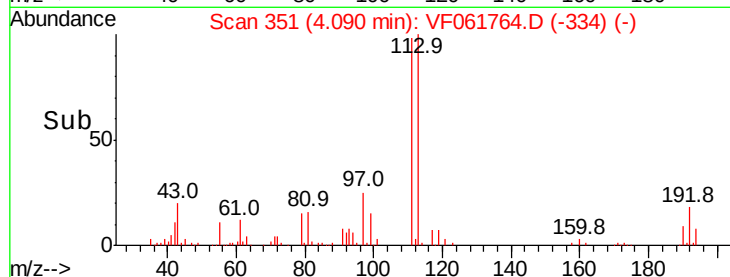
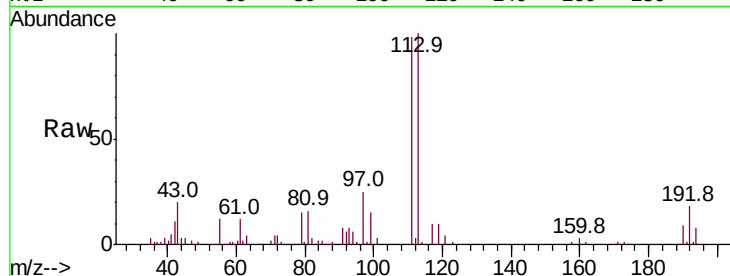
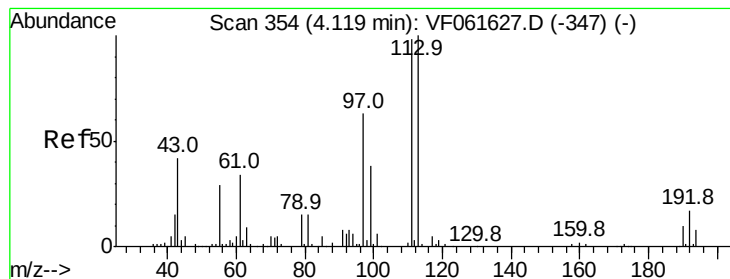
Tot Ion: 65 Resp: 124876
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.0



#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

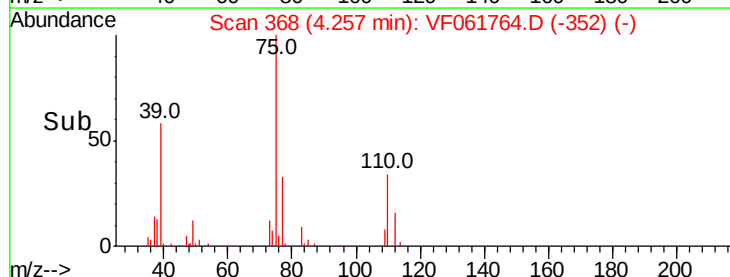
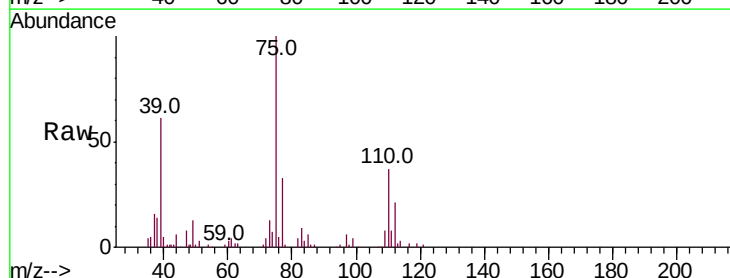
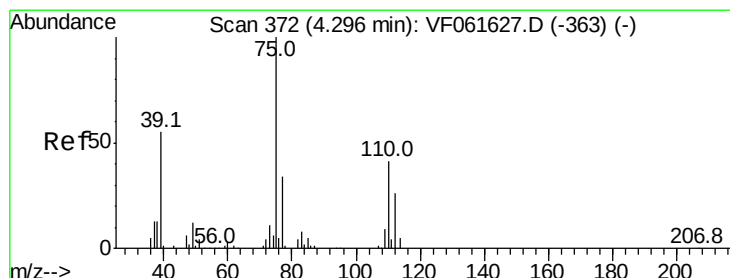
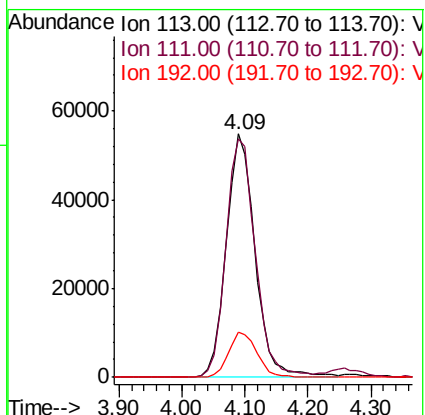
Tot Ion:113 Resp: 172890

Ion Ratio Lower Upper

113 100

111 98.1 78.8 118.2

192 18.4 13.4 20.0



#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

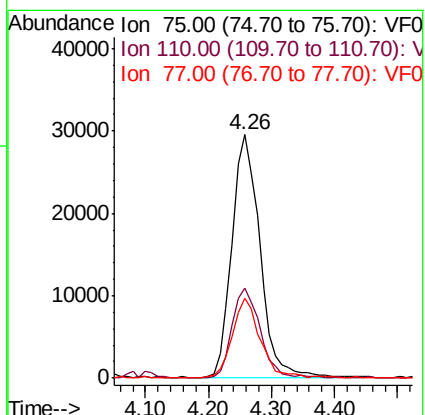
Tgt Ion: 75 Resp: 91369

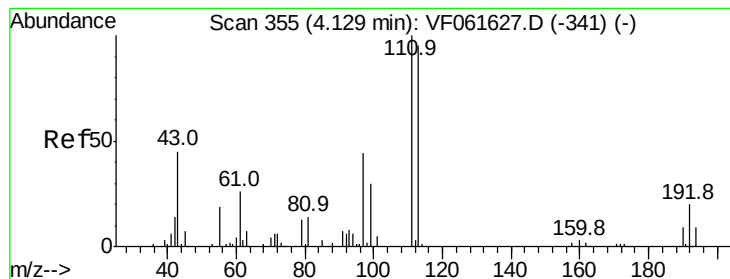
Ion Ratio Lower Upper

75 100

110 36.9 20.5 61.6

77 32.9 27.0 40.4





#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
ClientSampled :

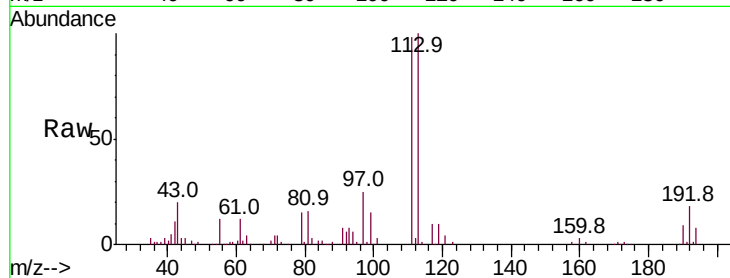
Tot Ion: 43 Resp: 41220

Ion Ratio Lower Upper

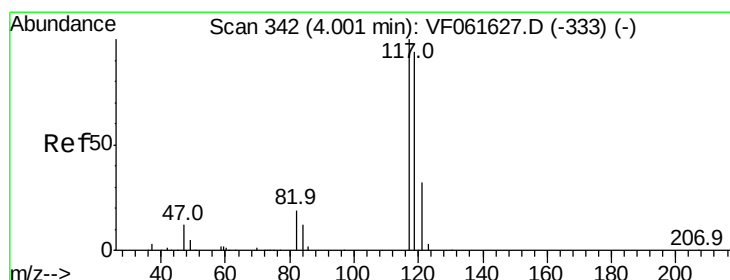
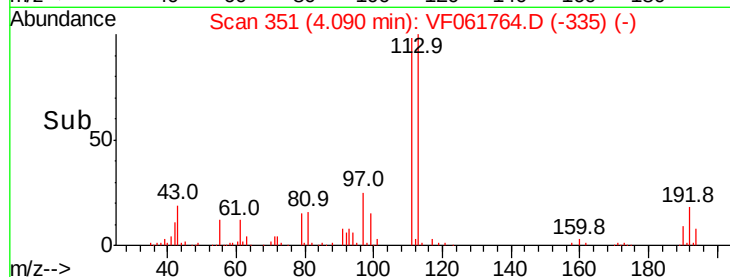
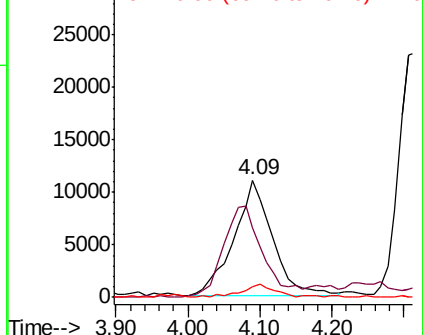
43 100

61 59.7 45.7 68.5

70 9.5 8.5 12.7



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



#38

Carbon Tetrachloride

Concen: 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

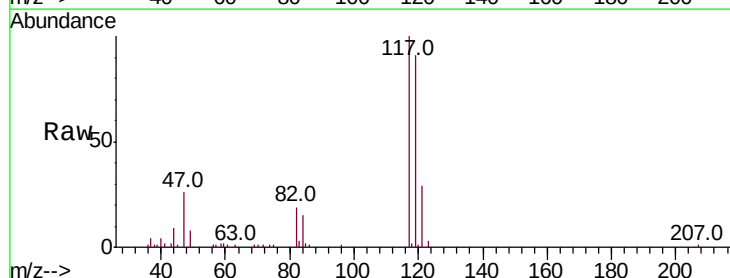
Tgt Ion: 117 Resp: 64668

Ion Ratio Lower Upper

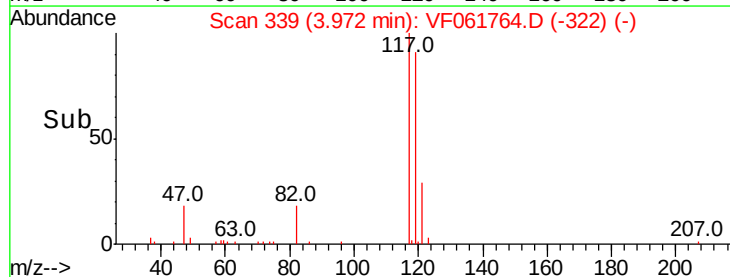
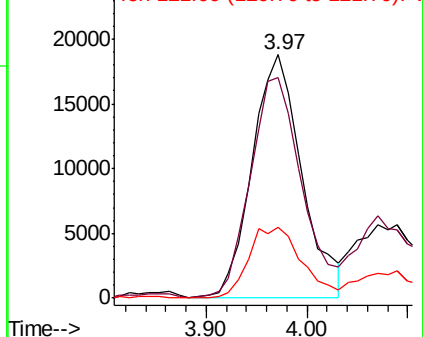
117 100

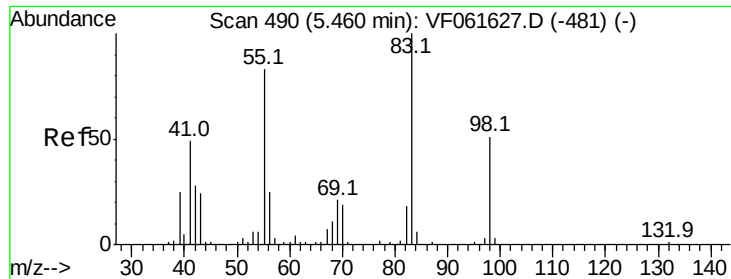
119 90.8 75.6 113.4

121 29.0 25.2 37.8



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

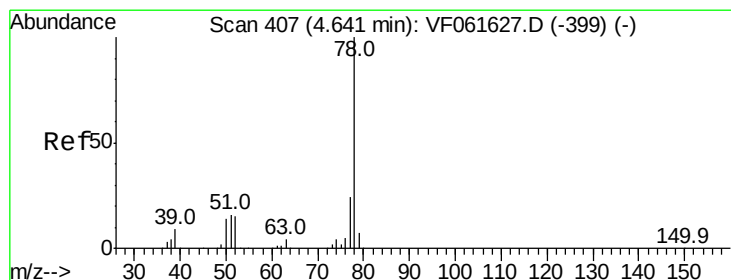
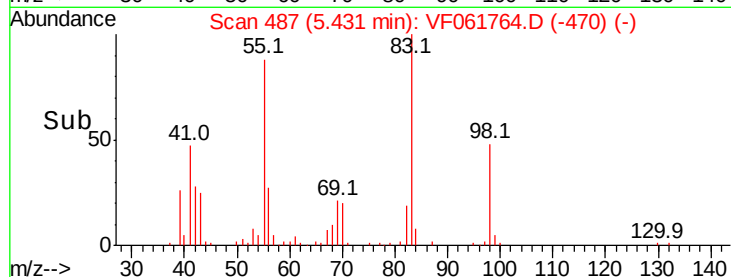
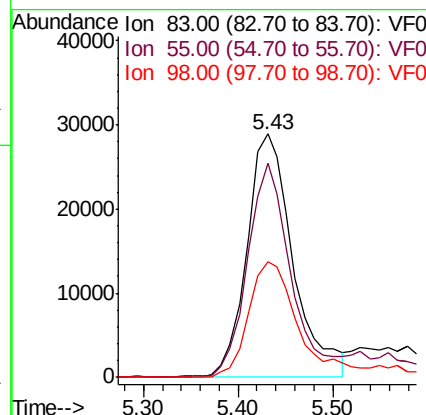
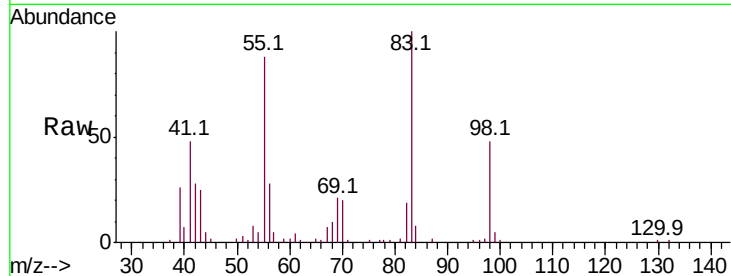




#39
Methylvlcyclohexane
Concen: 18.661 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.03 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

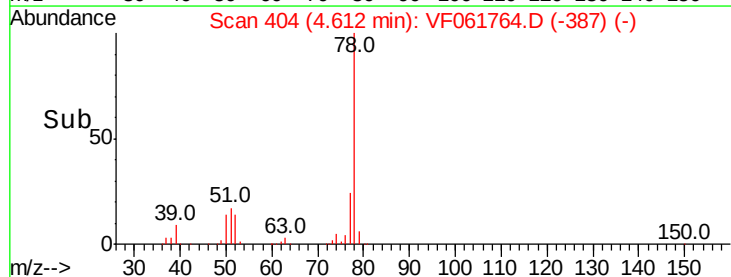
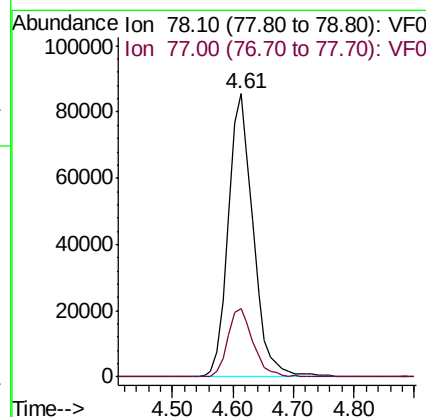
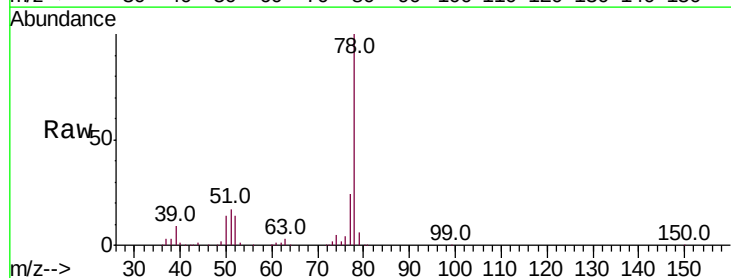
Instrument :
MSVOA_F
ClientSampleId :

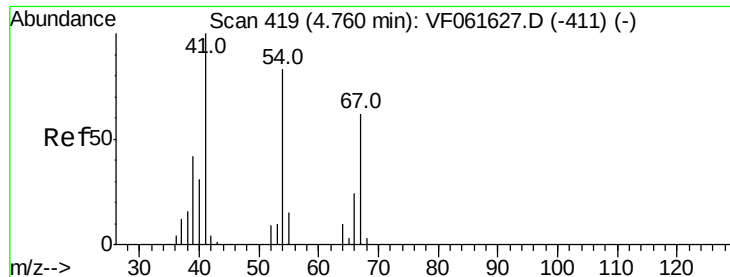
Tot Ion: 83 Resp: 98291
Ion Ratio Lower Upper
83 100
55 87.8 66.6 99.8
98 47.7 40.4 60.6



#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

ClientSampled :

Tot Ion: 41 Resp: 21975

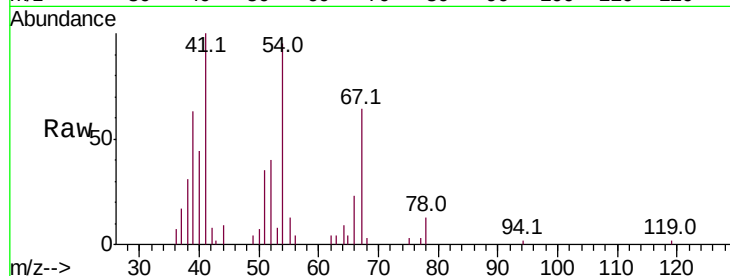
Ion Ratio Lower Upper

41 100

39 63.2 45.3 67.9

67 63.9 49.3 73.9

52 40.4 32.6 49.0

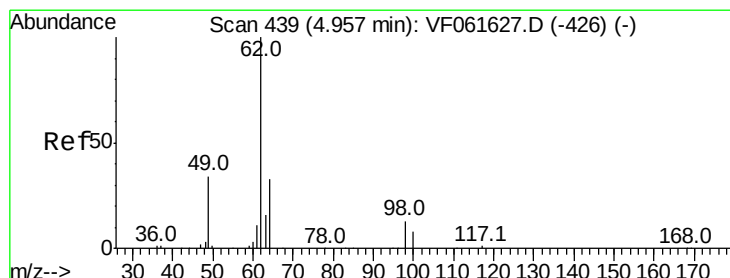
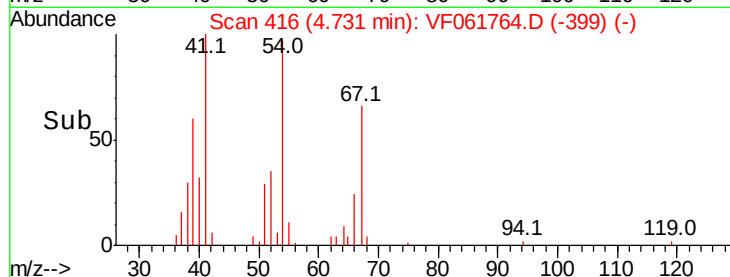
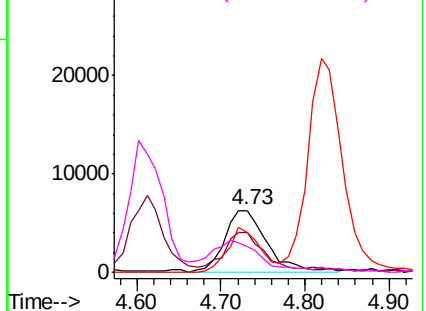


Abundance Ion 41.00 (40.70 to 41.70): VF0

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

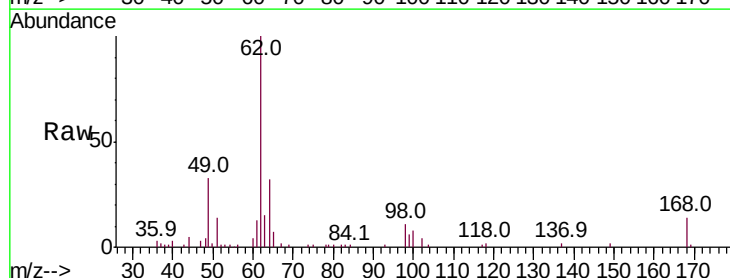
Acq: 27 Feb 2019 14:11

Tgt Ion: 62 Resp: 59264

Ion Ratio Lower Upper

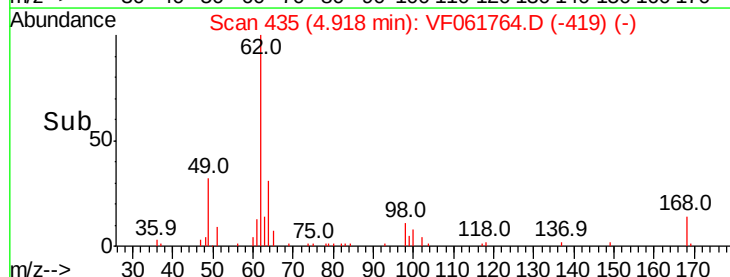
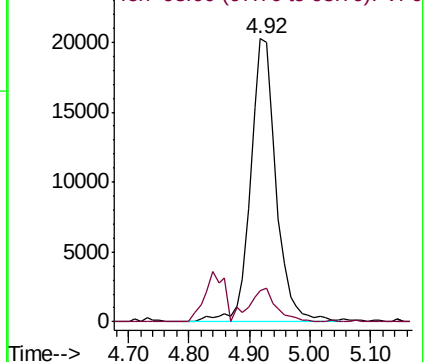
62 100

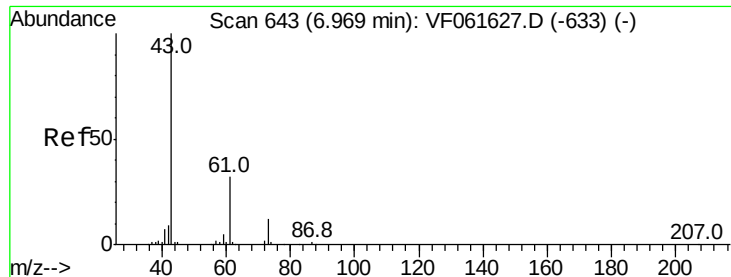
98 10.9 0.0 26.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



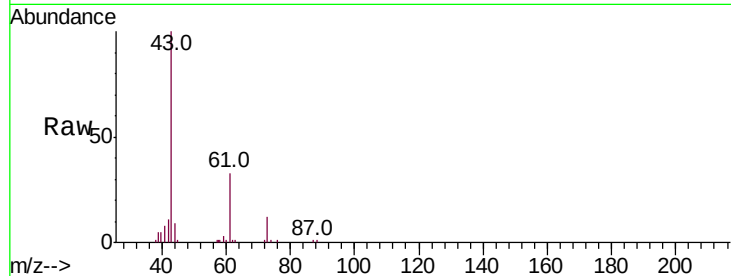


#43

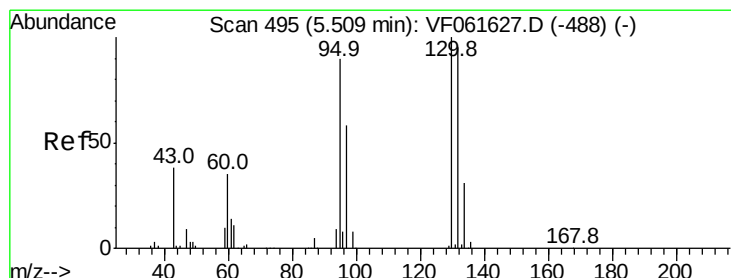
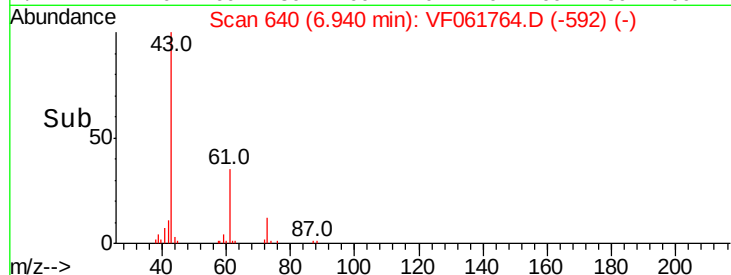
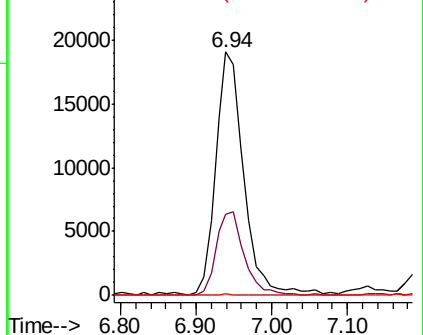
Isopropyl Acetate
 Concen: 20.199 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.03 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Instrument :
 MSVOA_F
 ClientSampleId :

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#



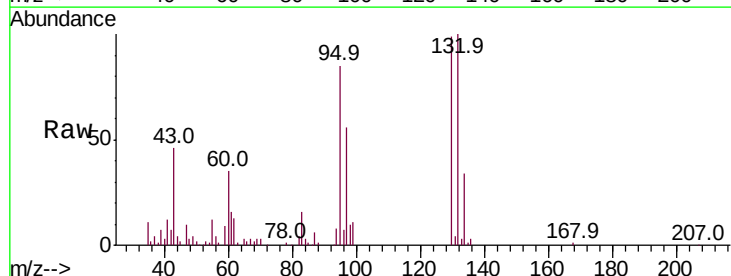
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



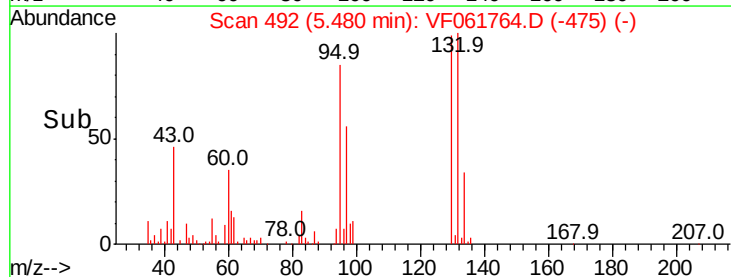
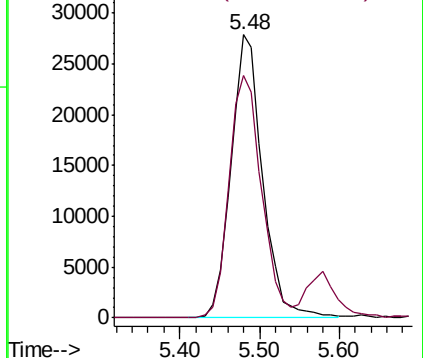
#44

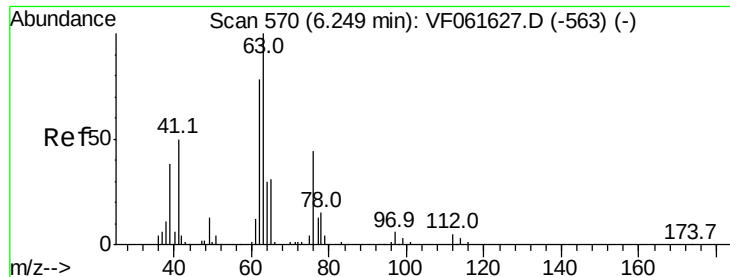
Trichloroethene
 Concen: 20.392 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.03 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

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



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#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

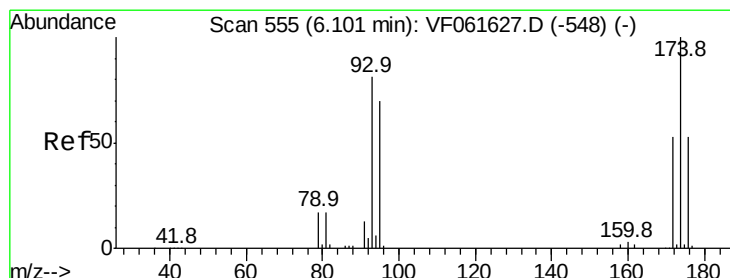
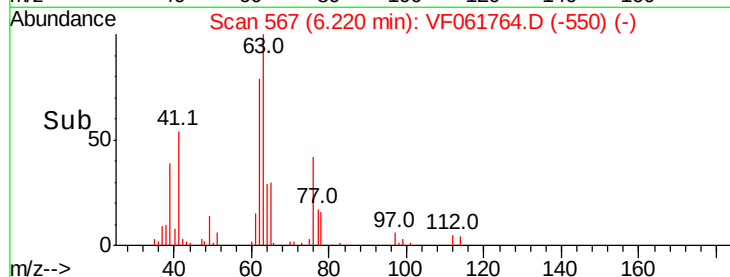
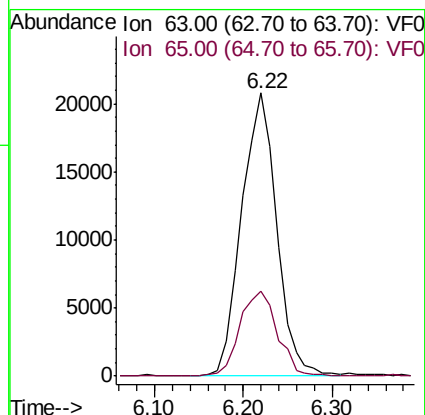
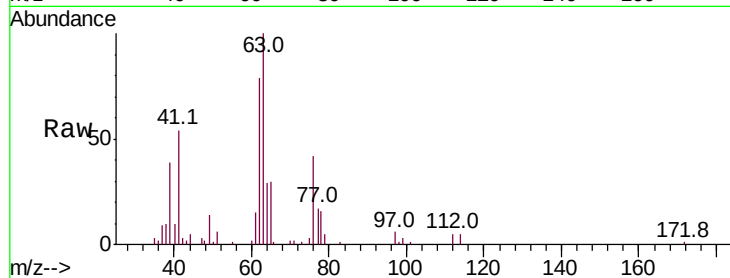
ClientSampleId :

Tot Ion: 63 Resp: 56725

Ion Ratio Lower Upper

63 100

65 29.9 24.9 37.3



#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

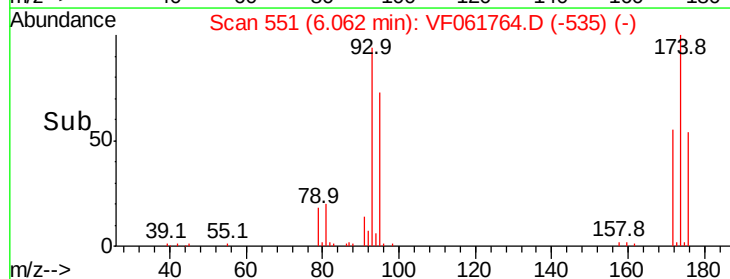
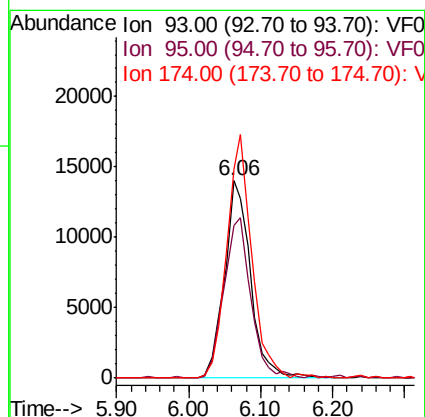
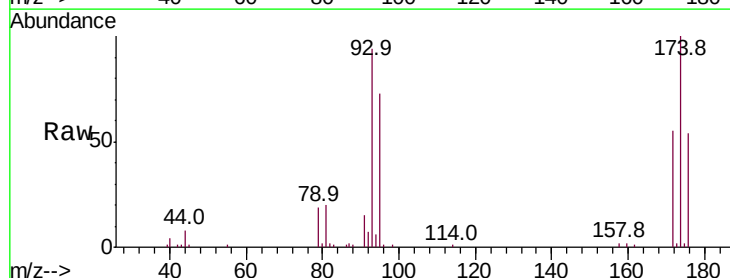
Tgt Ion: 93 Resp: 35086

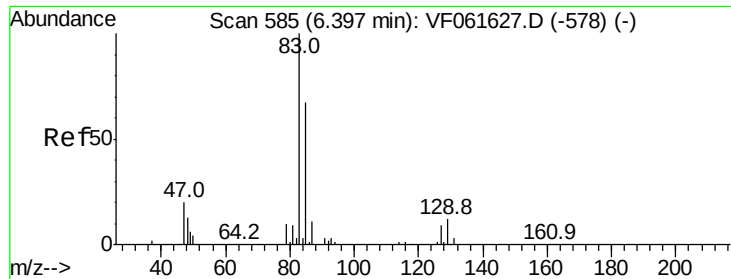
Ion Ratio Lower Upper

93 100

95 77.1 69.0 103.6

174 105.8 99.3 148.9





#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 :

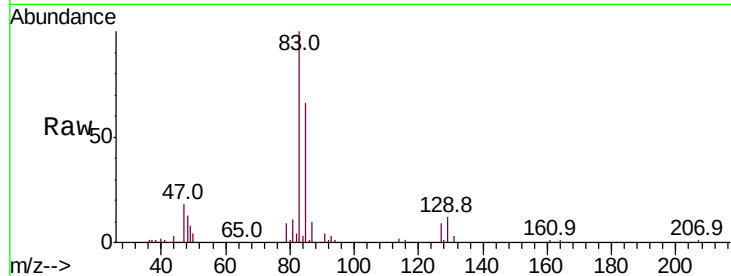
Tot Ion: 83 Resp: 81532

Ion Ratio Lower Upper

83 100

85 65.8 53.4 80.2

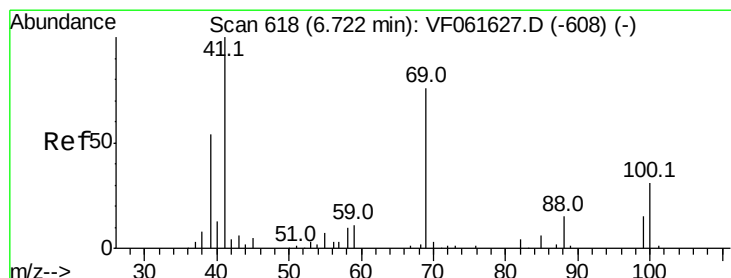
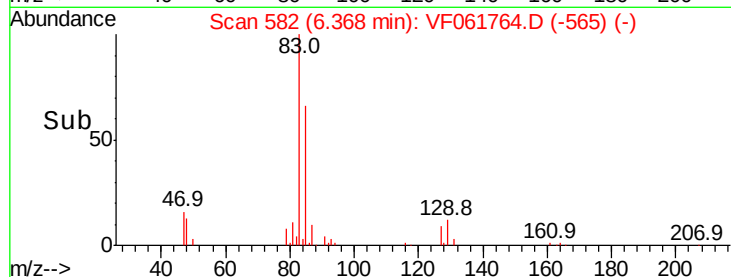
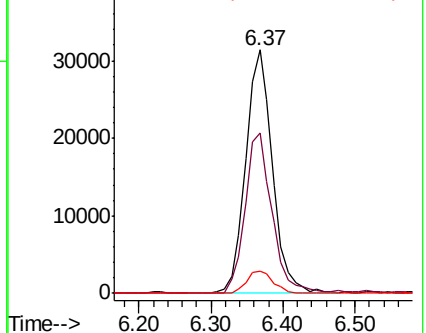
127 9.2 7.5 11.3



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

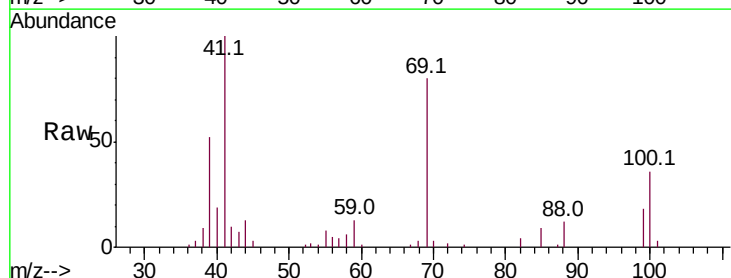
Tgt Ion: 41 Resp: 28184

Ion Ratio Lower Upper

41 100

69 79.5 60.4 90.6

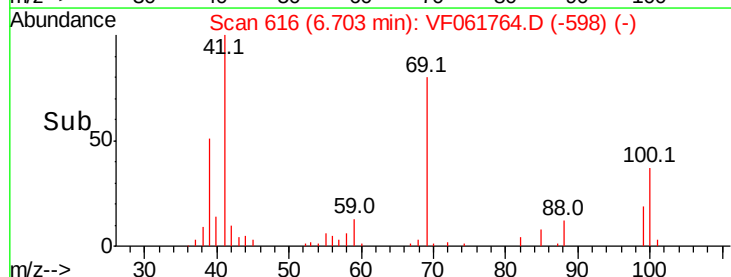
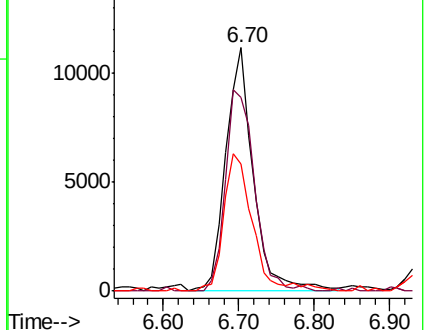
39 52.1 43.7 65.5

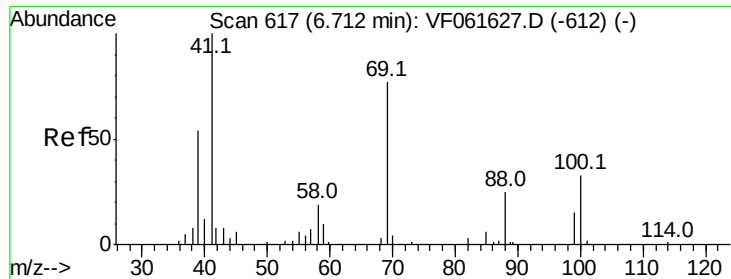


Abundance Ion 41.00 (40.70 to 41.70): VF0

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 :

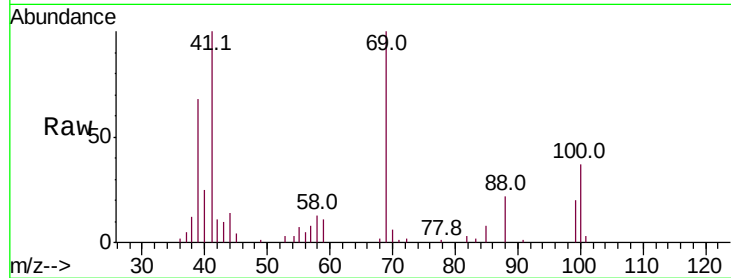
Tot Ion: 88 Resp: 5725

Ion Ratio Lower Upper

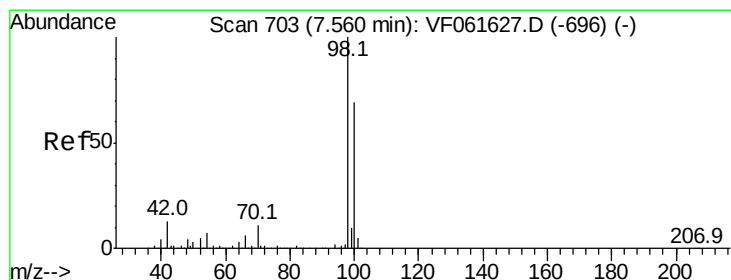
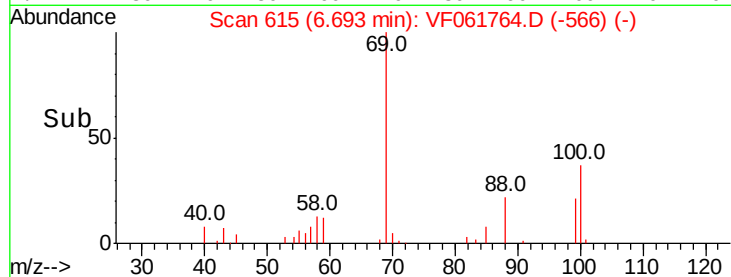
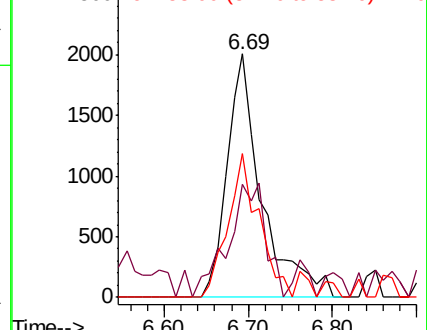
88 100

43 46.6 32.3 48.5

58 59.0 59.4 89.2#



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



#50

Toluene-d8

Concen: 51.036 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061764.D

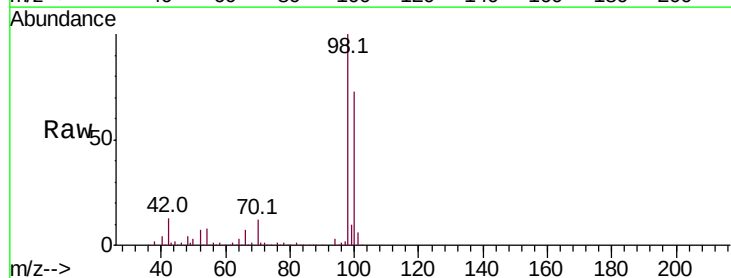
Acq: 27 Feb 2019 14:11

Tgt Ion: 98 Resp: 489832

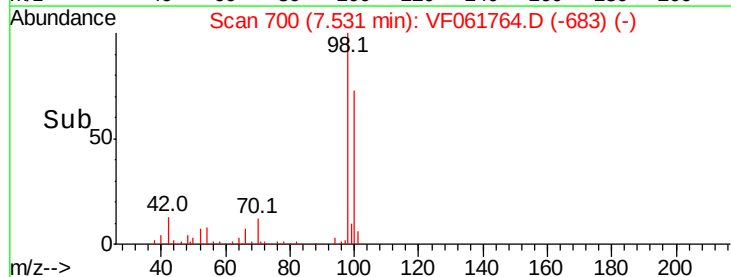
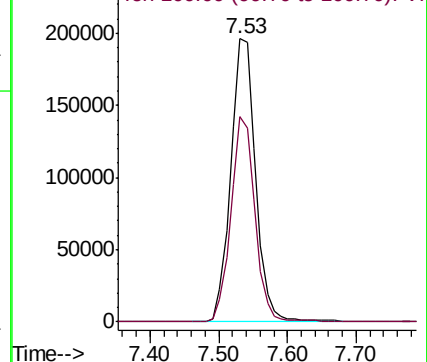
Ion Ratio Lower Upper

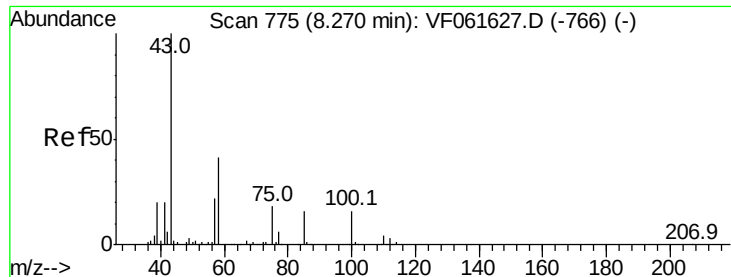
98 100

100 72.6 55.4 83.2



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





#51

4-Methyl-2-Pentanone

Concen: 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

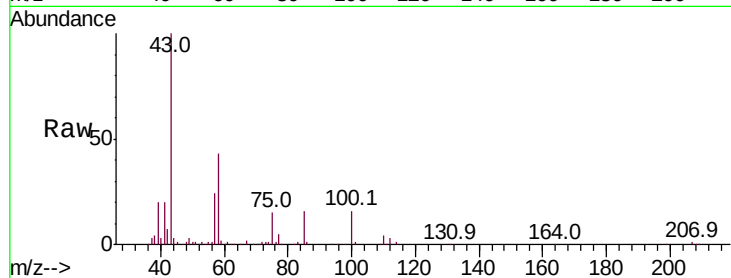
ClientSampleId :

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

8.24

80000

60000

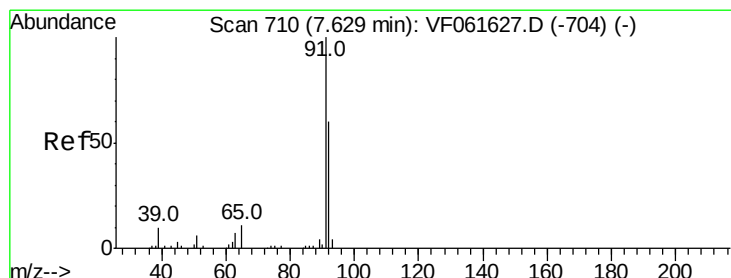
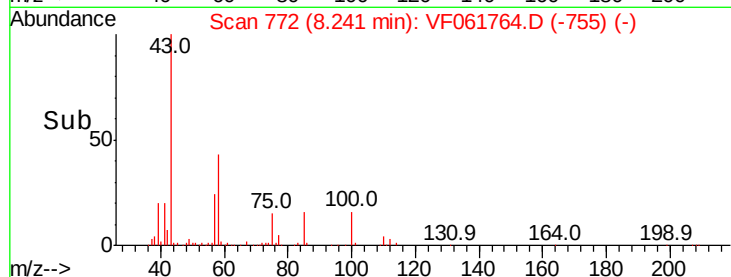
40000

20000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 19.851 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061764.D

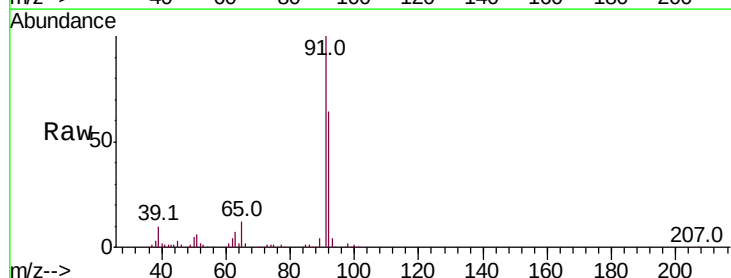
Acq: 27 Feb 2019 14:11

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

7.61

100000

80000

60000

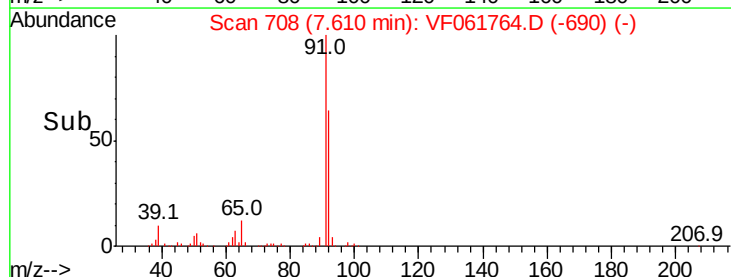
40000

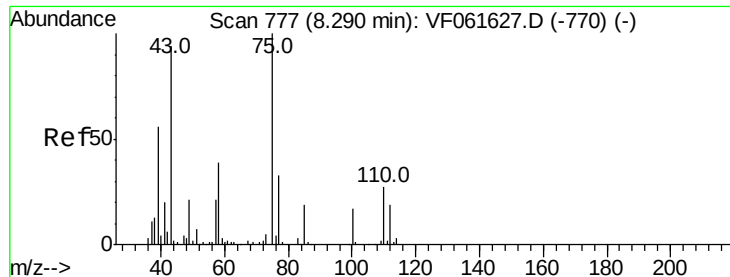
20000

0

7.50 7.60 7.70 7.80

Time-->





#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

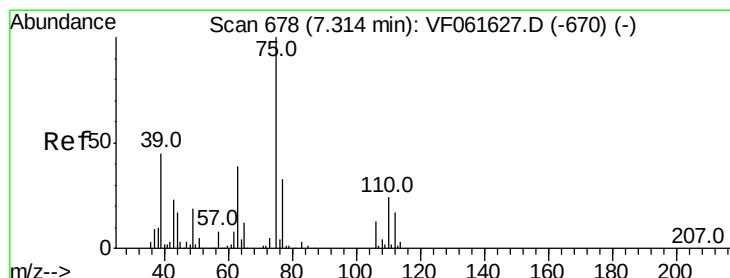
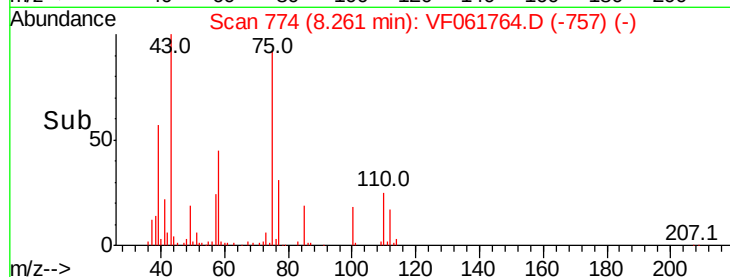
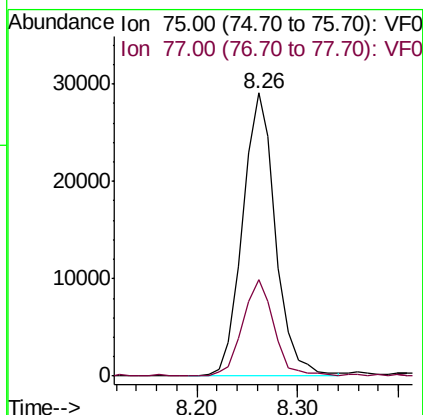
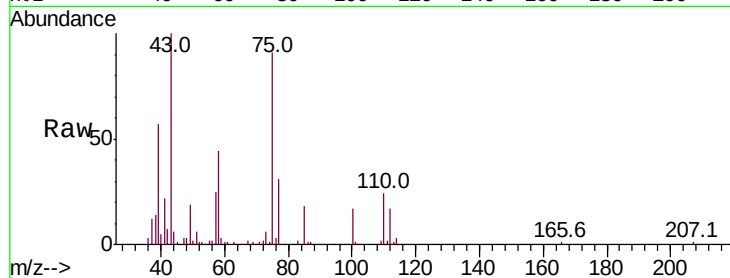
Instrument :
MSVOA_F
ClientSampleId :

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

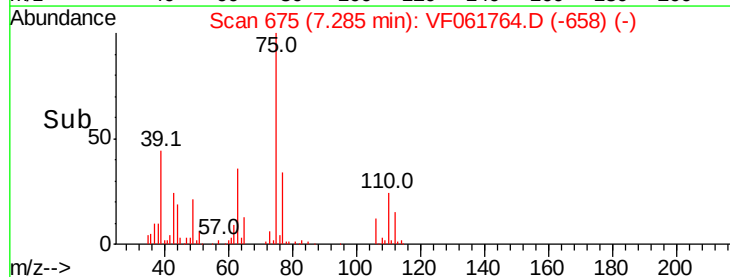
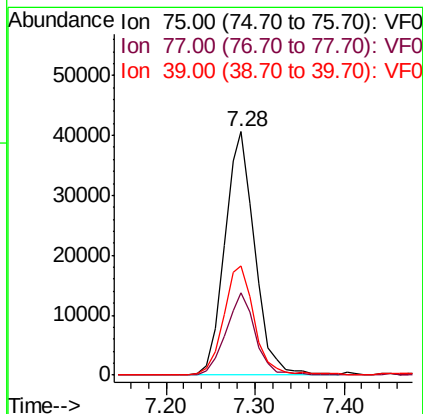
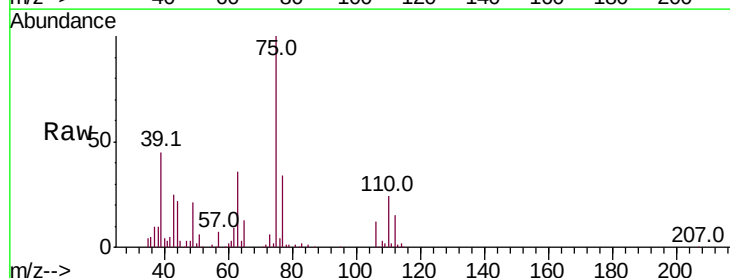
Tgt Ion: 75 Resp: 95859

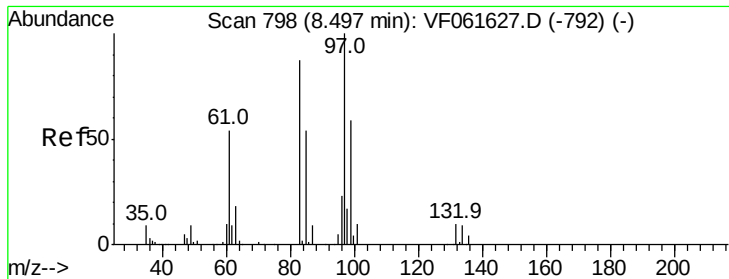
Ion Ratio Lower Upper

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 :

Tot Ion: 97 Resp: 41639

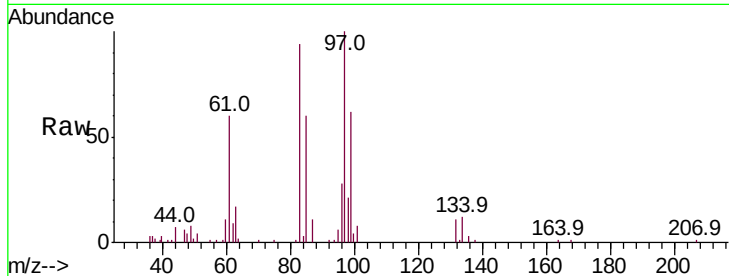
Ion	Ratio	Lower	Upper
97	100		
83	94.3	69.2	103.8
85	60.0	43.0	64.4
99	62.4	47.2	70.8

97 100

83 94.3 69.2 103.8

85 60.0 43.0 64.4

99 62.4 47.2 70.8

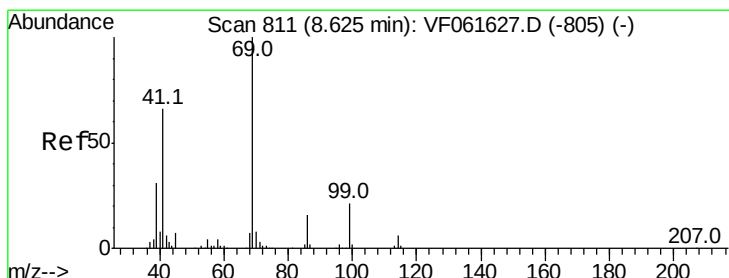
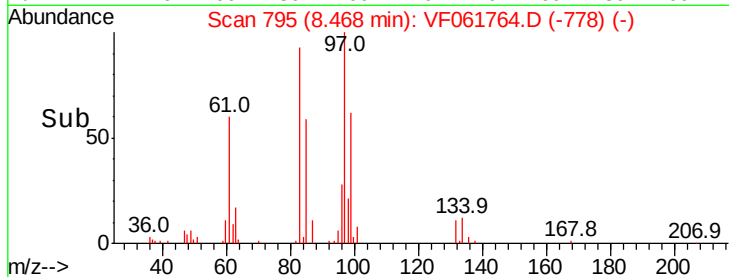
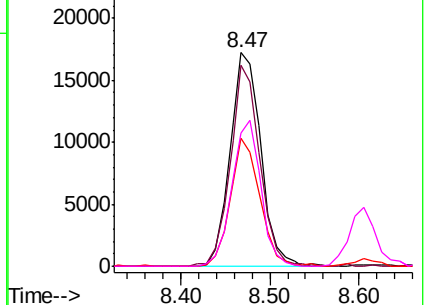


Abundance Ion 97.00 (96.70 to 97.70): VF0

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

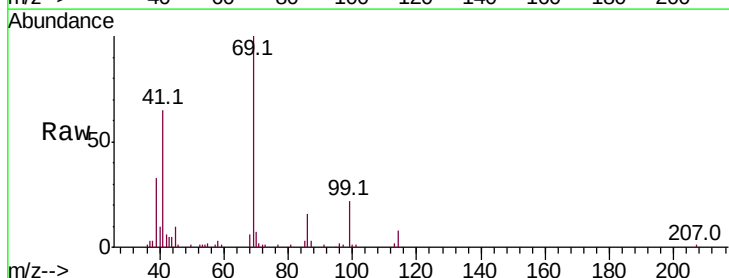
Tgt Ion: 69 Resp: 46140

Ion	Ratio	Lower	Upper
69	100		
41	65.1	52.9	79.3
39	32.9	24.5	36.7

69 100

41 65.1 52.9 79.3

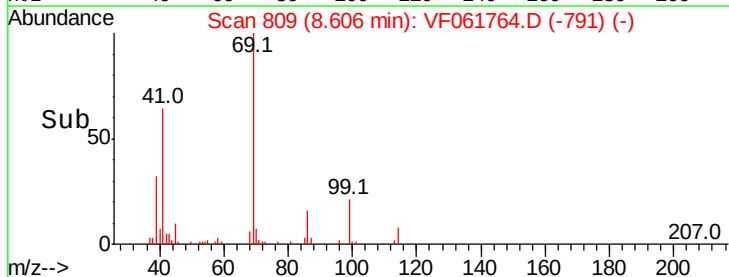
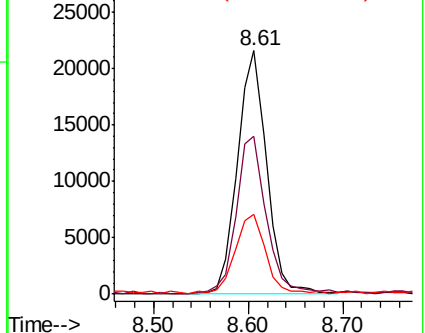
39 32.9 24.5 36.7

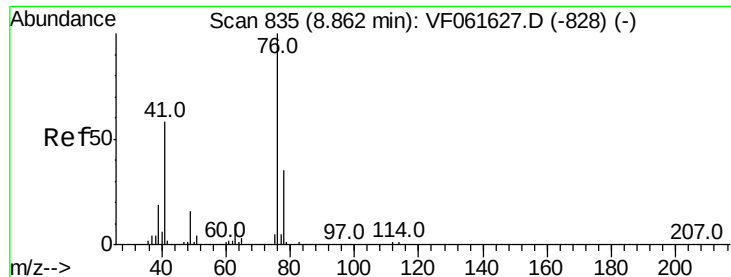


Abundance Ion 69.00 (68.70 to 69.70): VF0

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

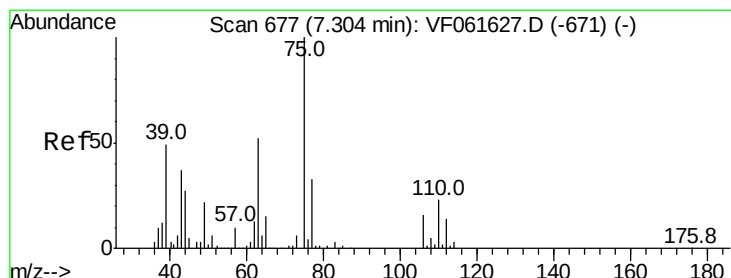
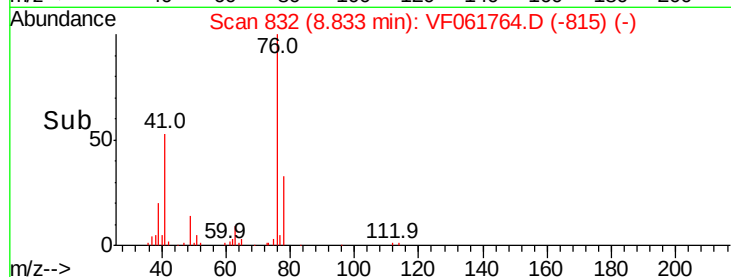
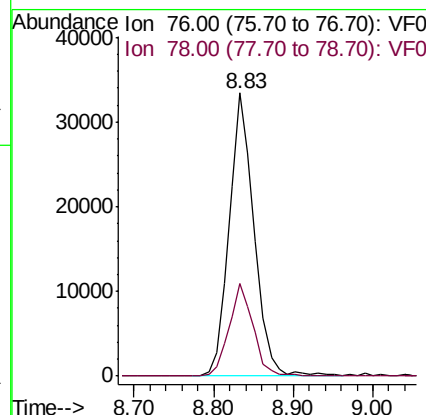
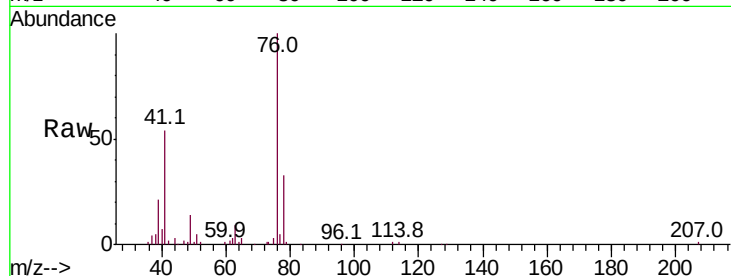
Lab File: VF061764.D

Acq: 27 Feb 2019 14:11

Instrument :
MSVOA_F
ClientSampleId :

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

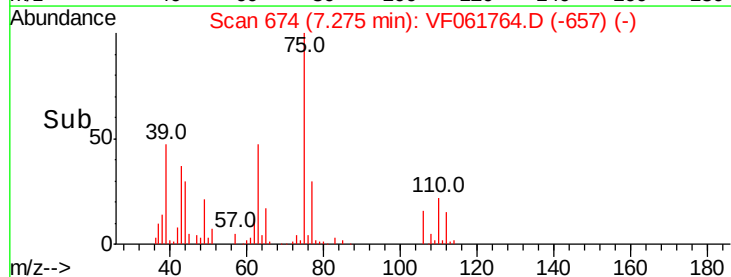
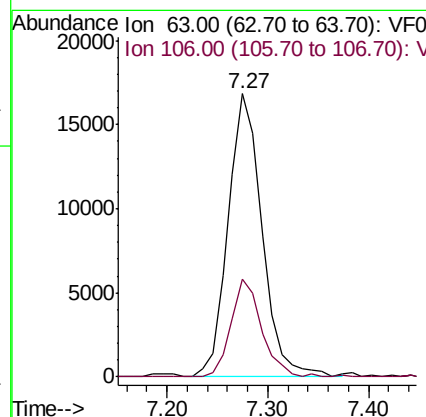
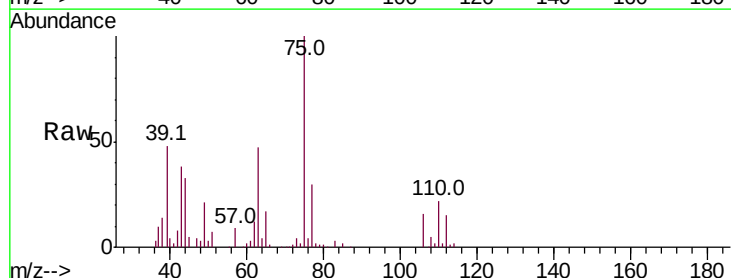
Delta R.T. -0.03 min

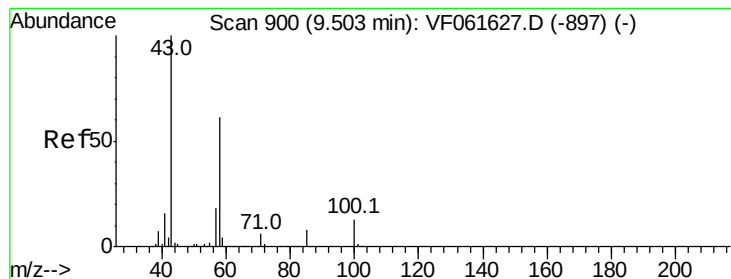
Lab File: VF061764.D

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

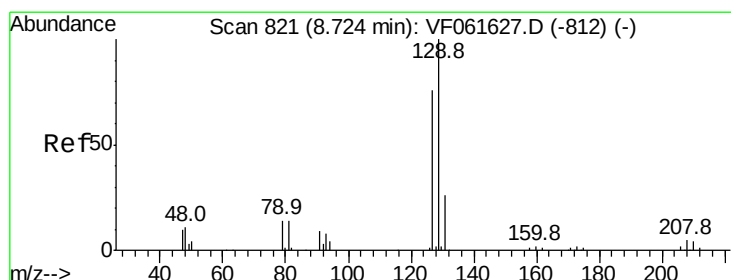
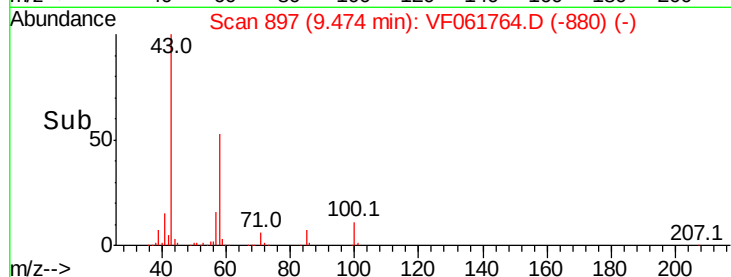
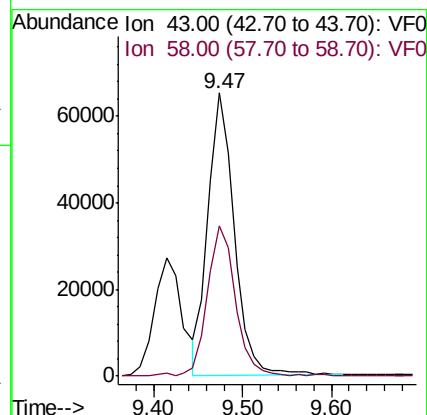
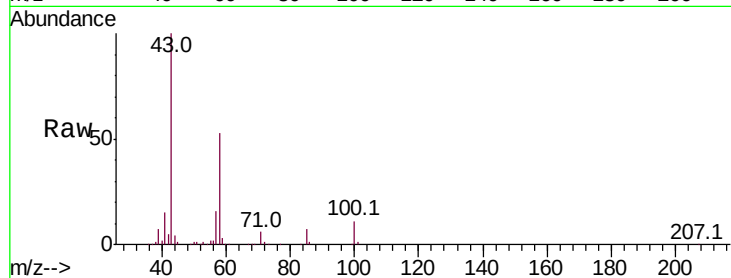
ClientSampleId :

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

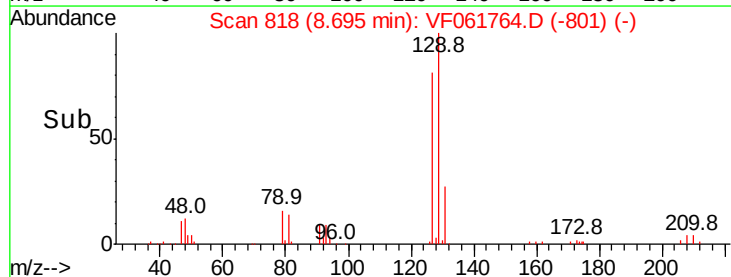
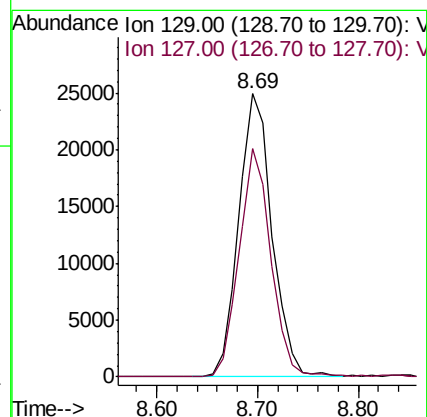
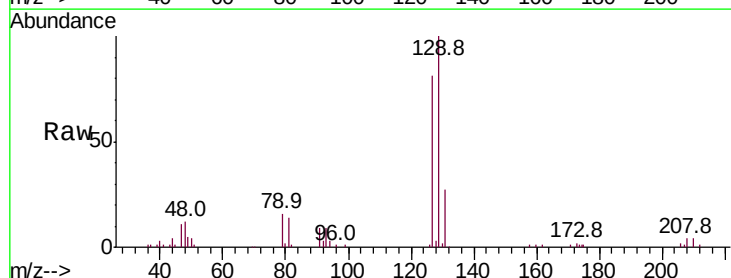
Acq: 27 Feb 2019 14:11

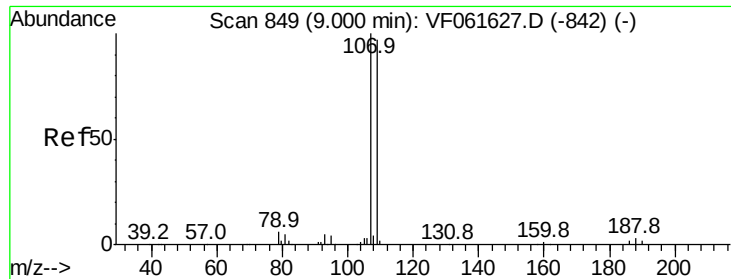
Tgt Ion: 129 Resp: 57306

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

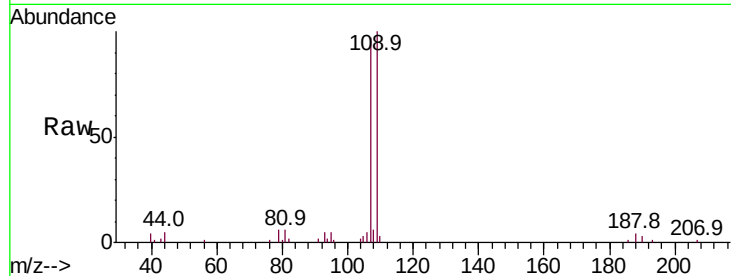
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 46379

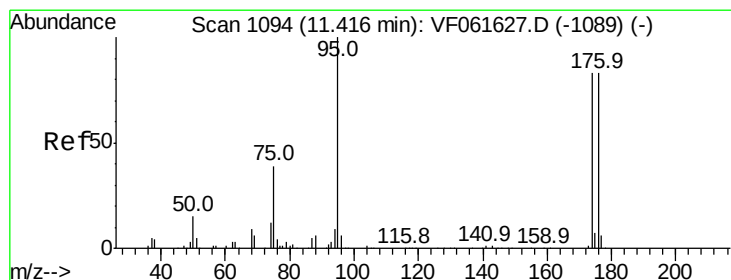
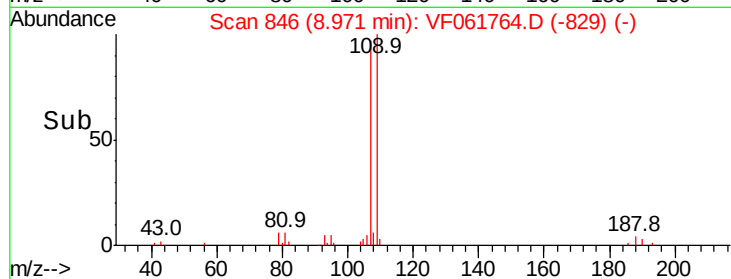
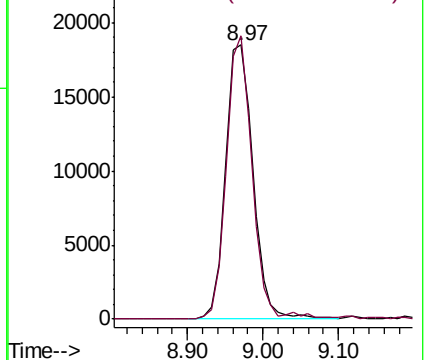
Ion Ratio Lower Upper

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

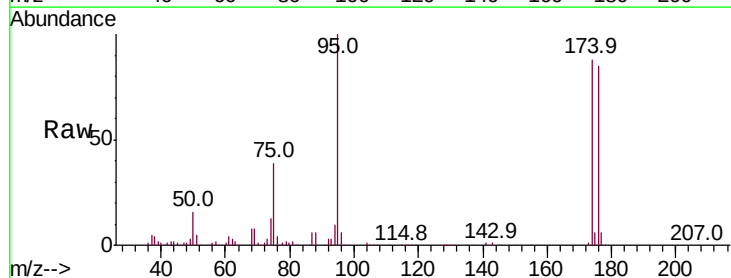
Tgt Ion: 95 Resp: 189258

Ion Ratio Lower Upper

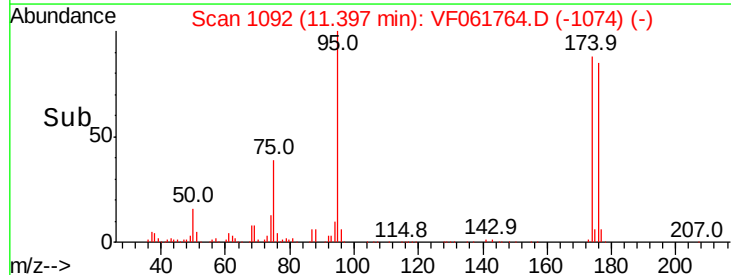
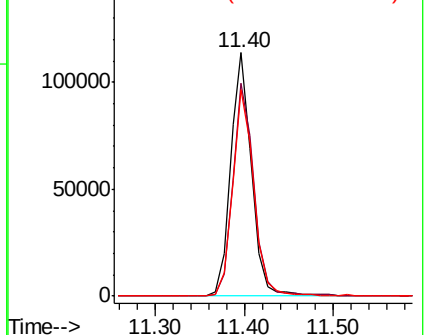
95 100

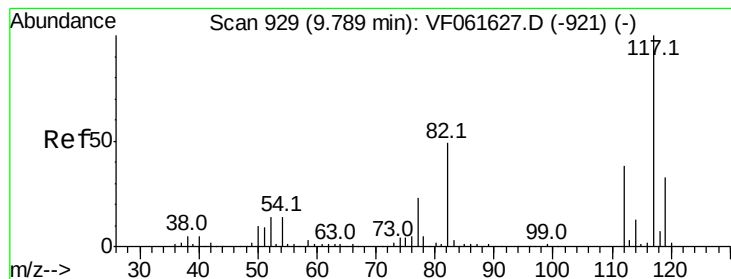
174 87.6 0.0 165.8

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
ClientSampled :

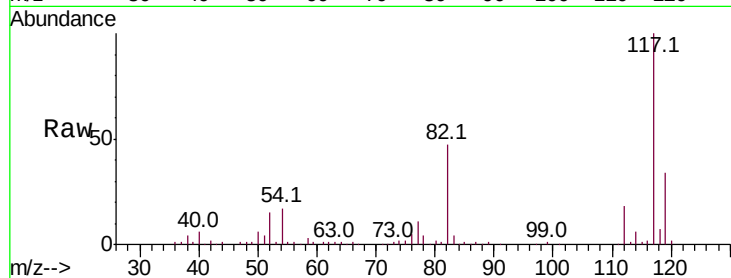
Tot Ion:117 Resp: 390486

Ion Ratio Lower Upper

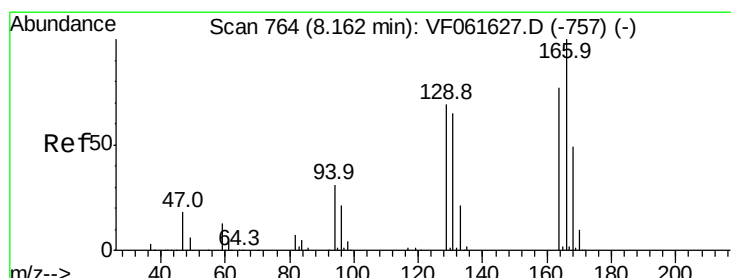
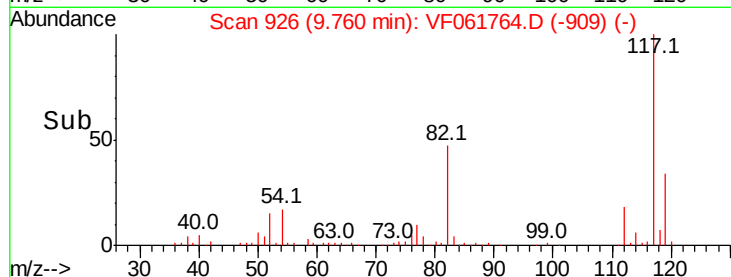
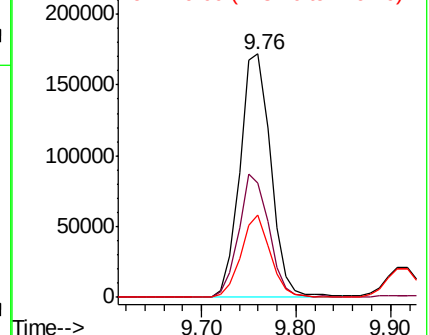
117 100

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

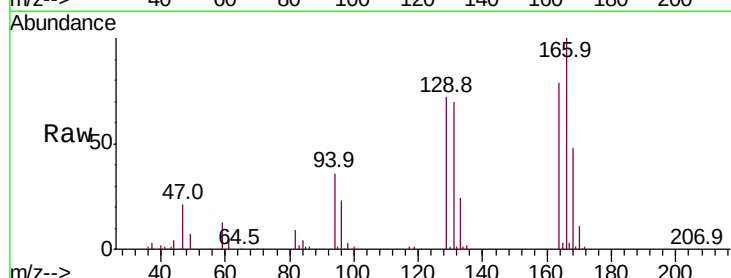
Ion Ratio Lower Upper

164 100

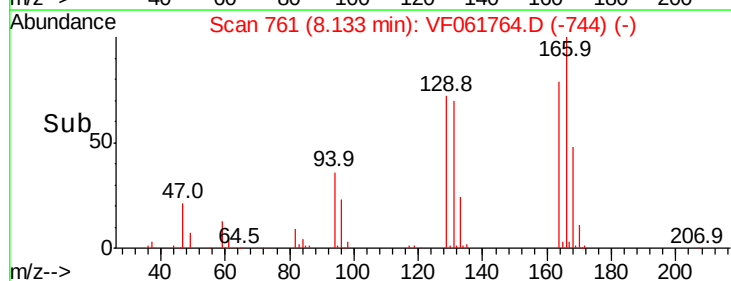
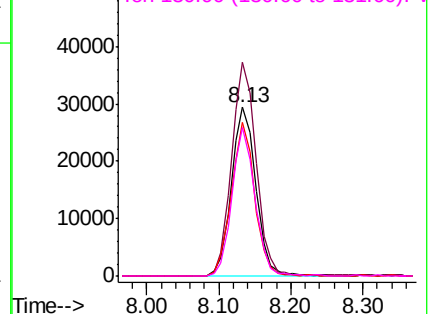
166 126.4 103.9 155.9

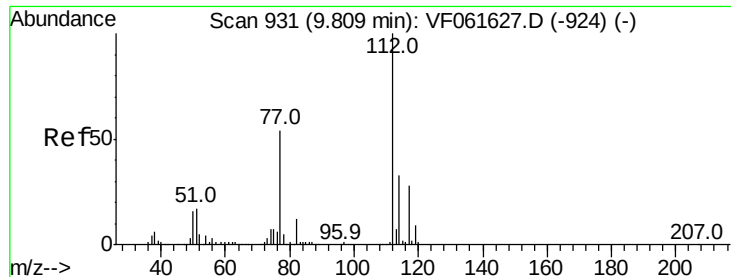
129 90.9 71.3 106.9

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

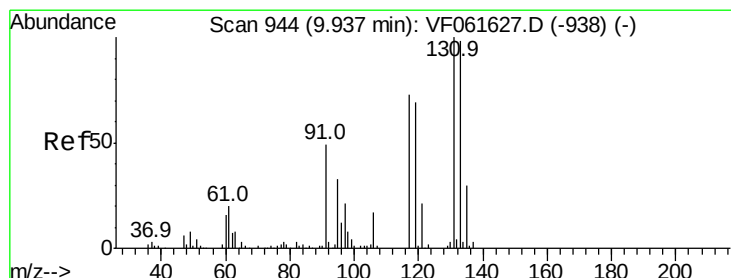
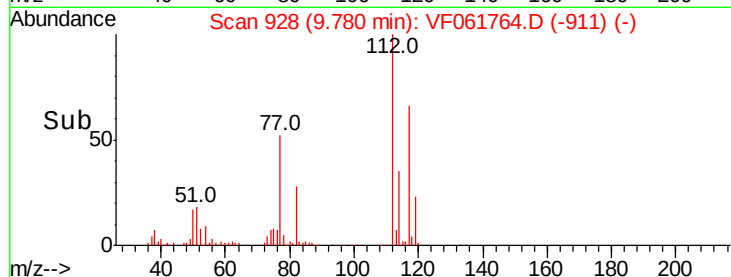
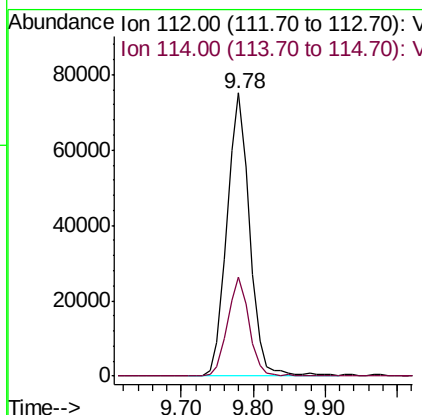
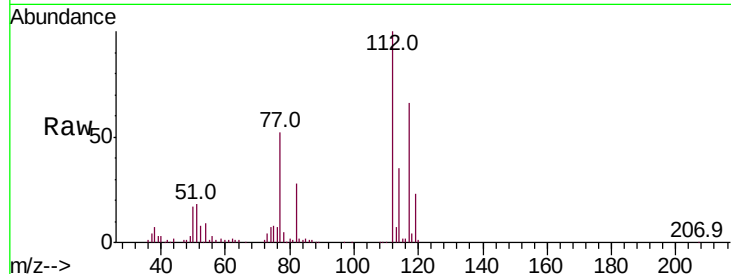




#65
Chlorobenzene
Concen: 20.730 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

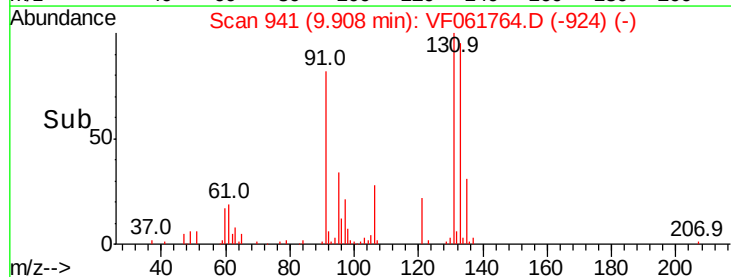
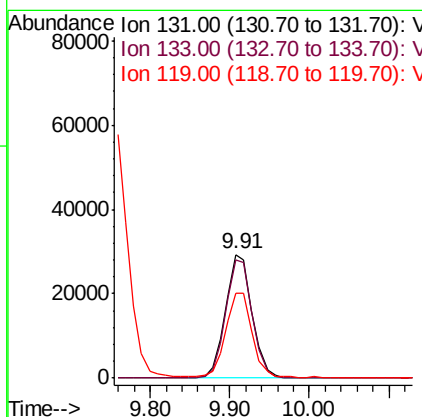
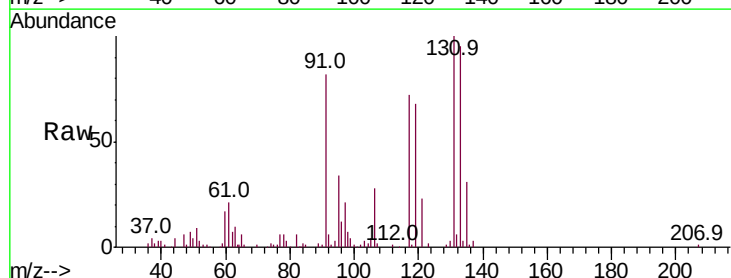
Instrument :
MSVOA_F
ClientSampleId :

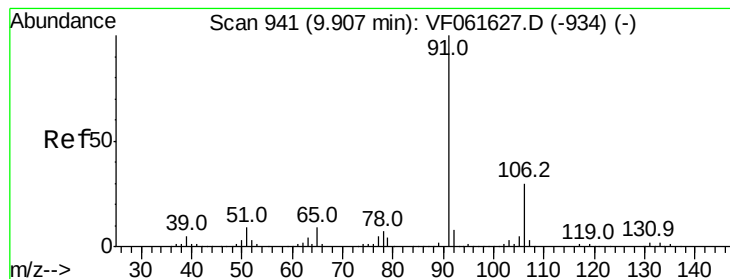
Tot Ion:112 Resp: 164259
Ion Ratio Lower Upper
112 100
114 35.2 26.2 39.2



#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

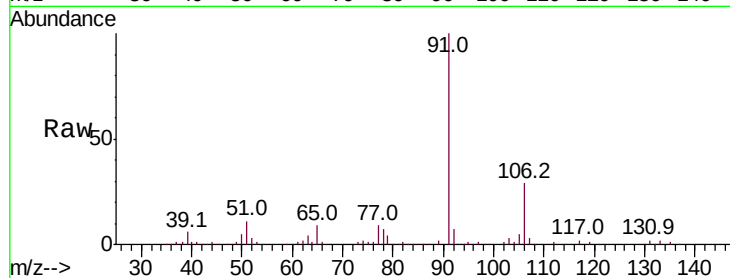
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 280427

Ion Ratio Lower Upper

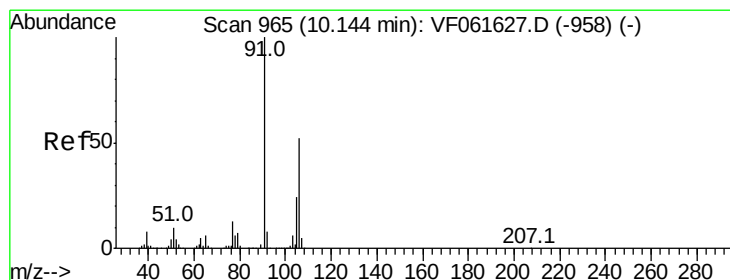
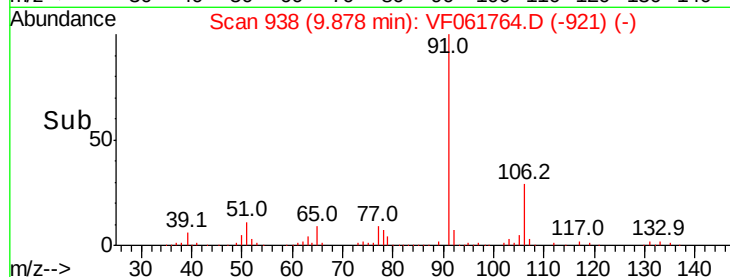
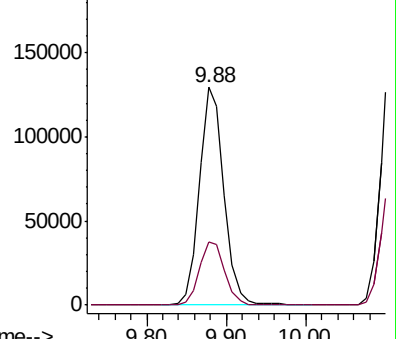
91 100

106 29.2 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#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

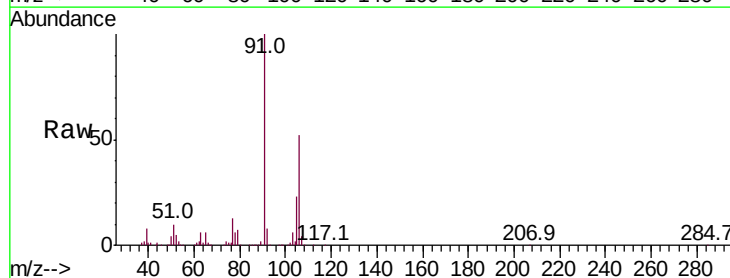
Acq: 27 Feb 2019 14:11

Tgt Ion:106 Resp: 205094

Ion Ratio Lower Upper

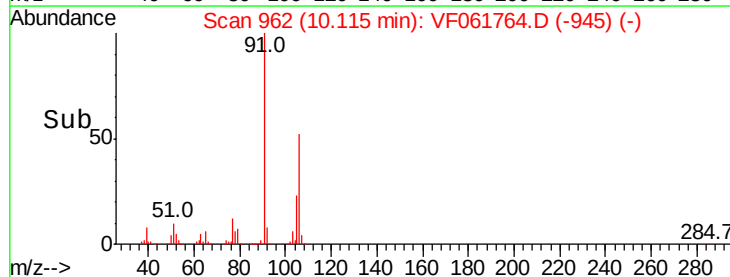
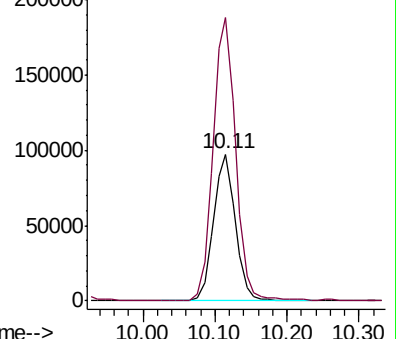
106 100

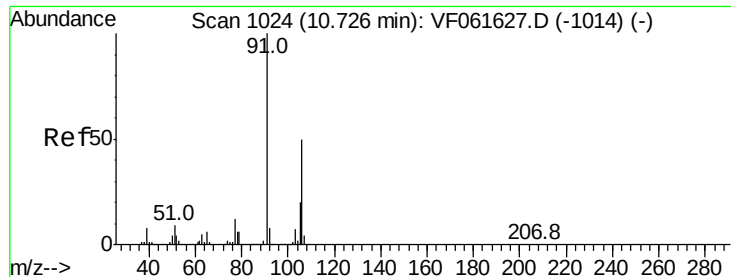
91 192.5 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

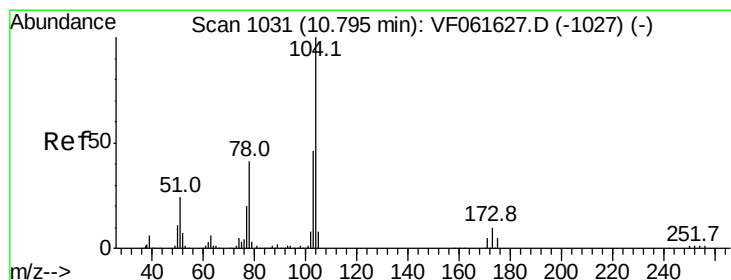
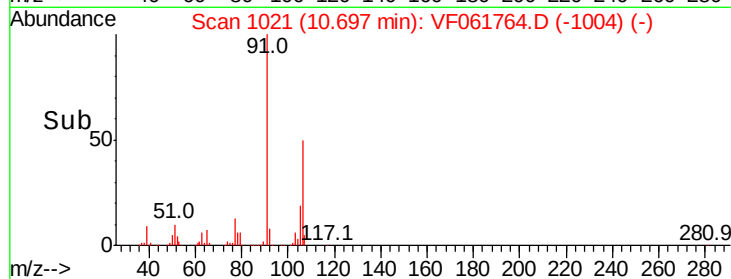
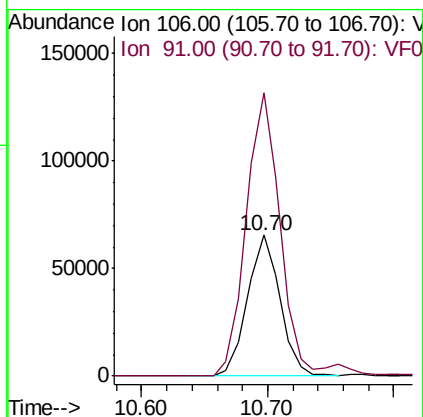
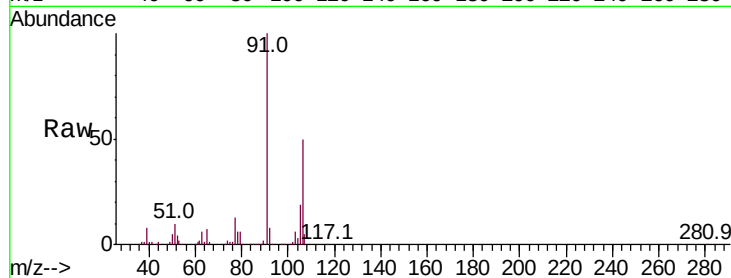




#69
o-Xylene
Concen: 21.921 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

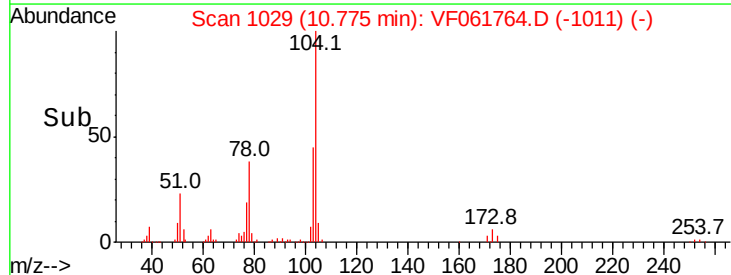
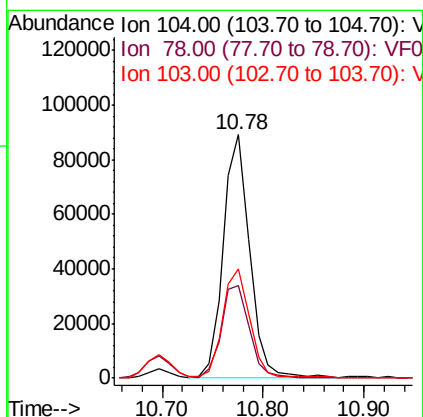
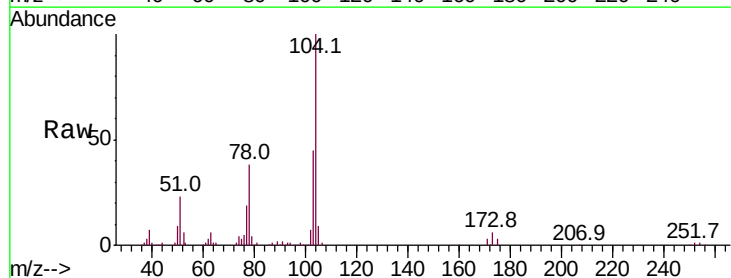
Instrument :
MSVOA_F
ClientSampled :

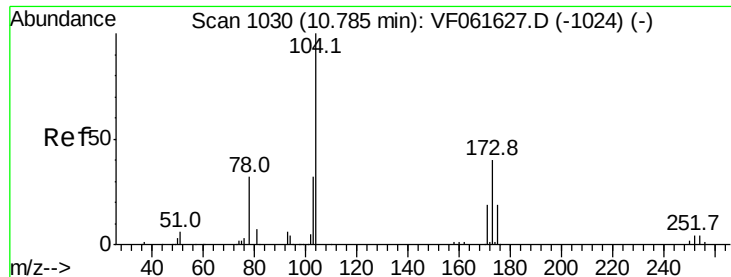
Tot Ion:106 Resp: 117962
Ion Ratio Lower Upper
106 100
91 200.8 100.1 300.1



#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

ClientSampled :

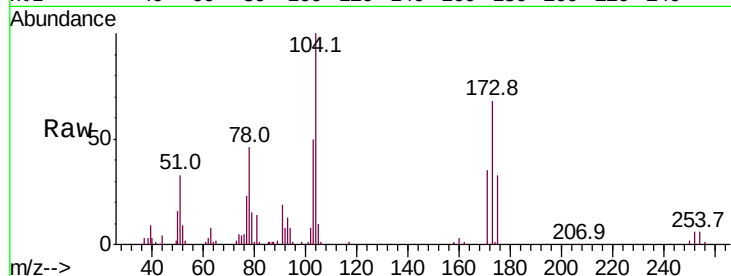
Tot Ion:173 Resp: 34430

Ion Ratio Lower Upper

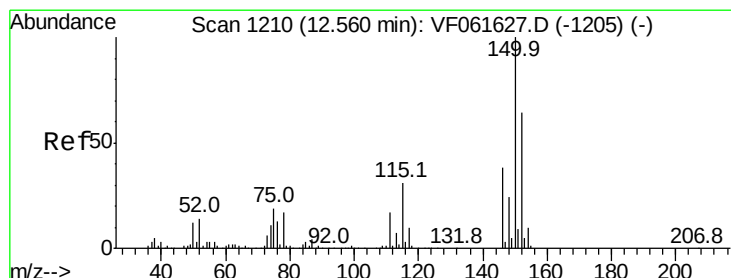
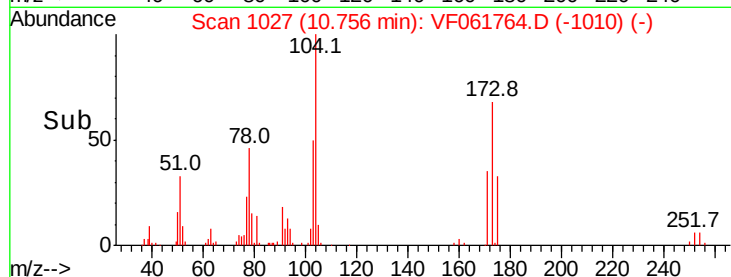
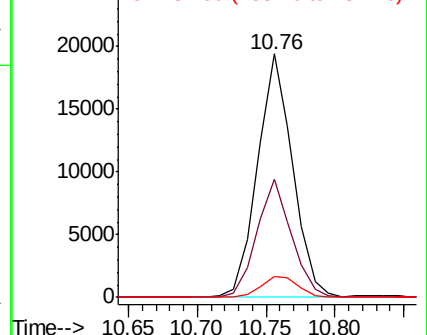
173 100

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

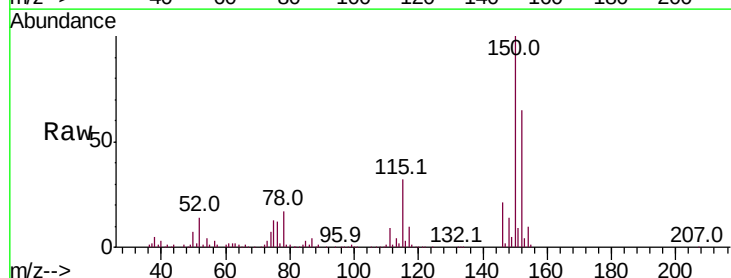
Tgt Ion:152 Resp: 222414

Ion Ratio Lower Upper

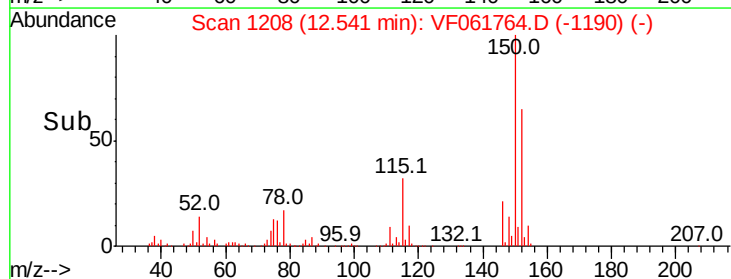
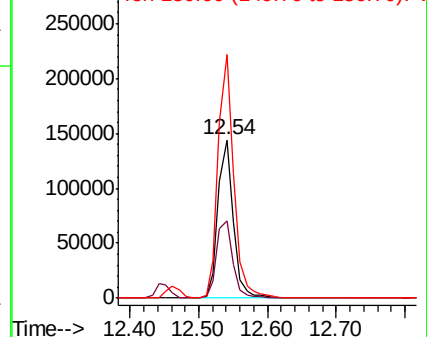
152 100

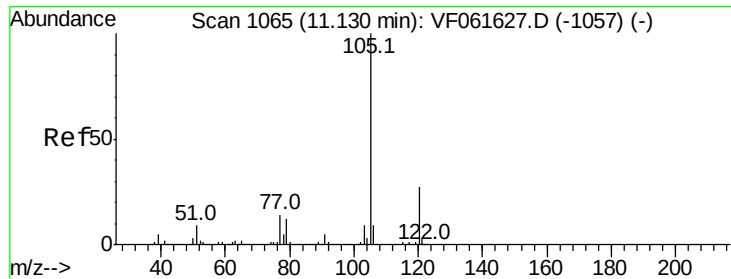
115 48.9 24.3 72.8

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

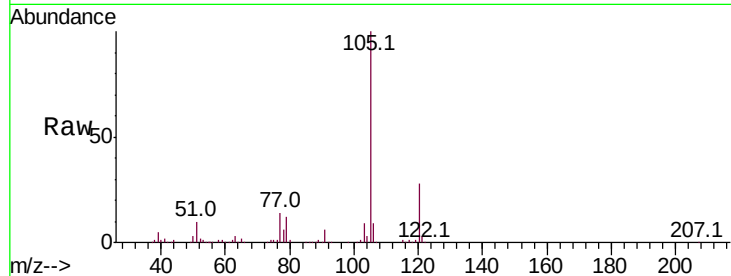
ClientSampleId :

Tot Ion:105 Resp: 343257

Ion Ratio Lower Upper

105 100

120 27.5 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

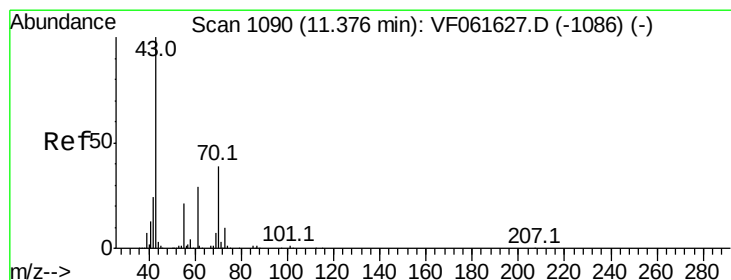
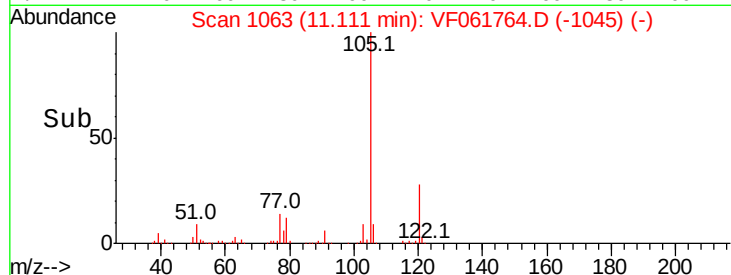
100000

50000

0

11.00 11.10 11.20

Time-->



#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

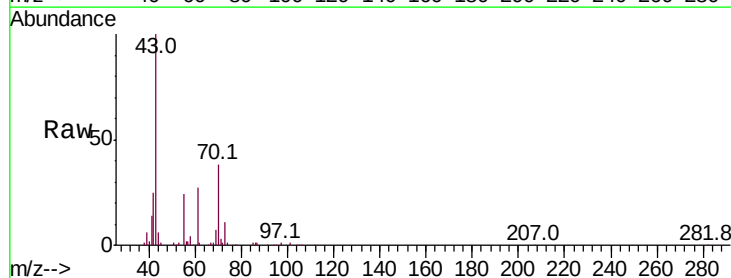
Ion Ratio Lower Upper

43 100

70 37.6 31.5 47.3

55 24.0 16.7 25.1

61 27.1 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

60000

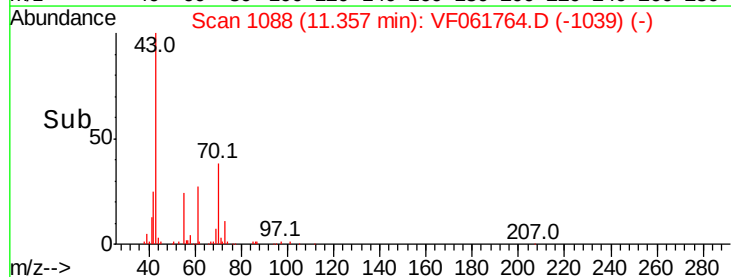
40000

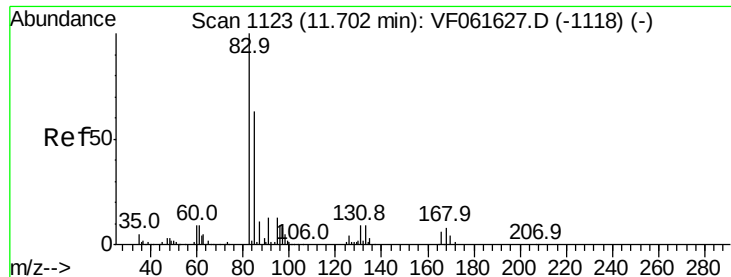
20000

0

11.30 11.40 11.50

Time-->





#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 :

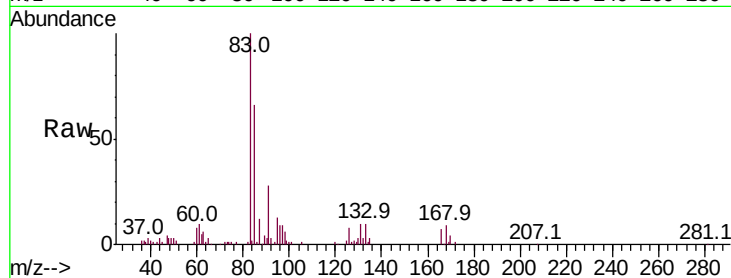
Tot Ion: 83 Resp: 55627

Ion Ratio Lower Upper

83 100

131 9.9 4.4 13.2

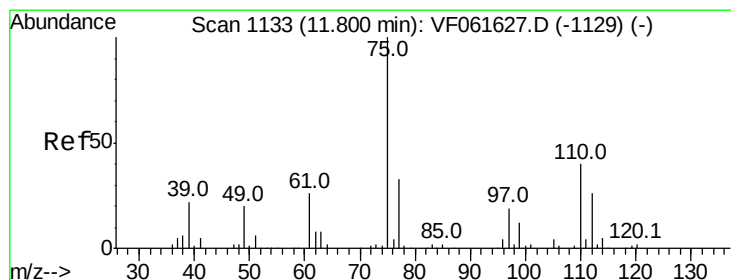
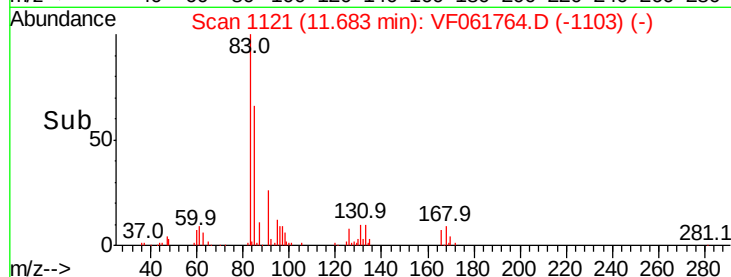
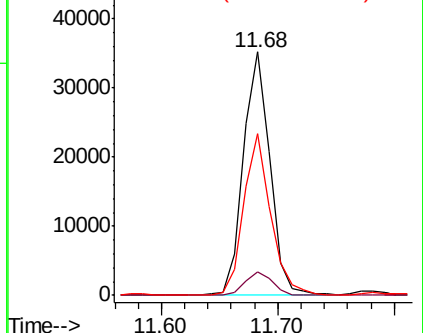
85 66.3 31.5 94.5



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

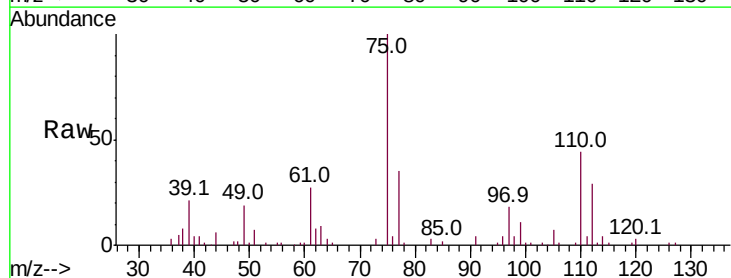
Acq: 27 Feb 2019 14:11

Tgt Ion: 75 Resp: 37015

Ion Ratio Lower Upper

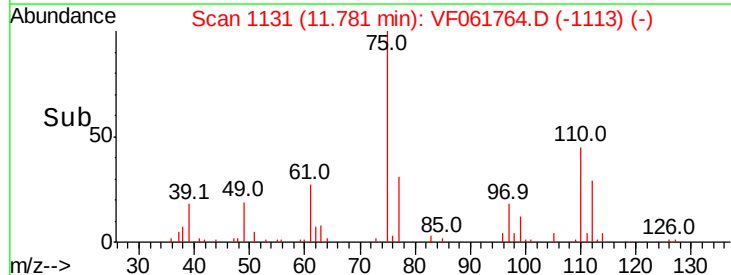
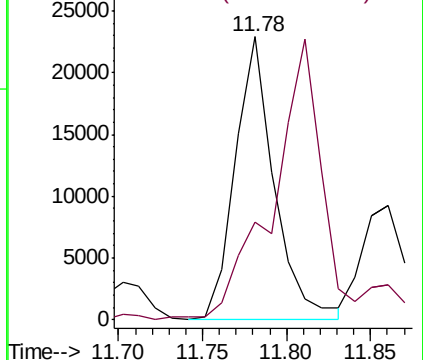
75 100

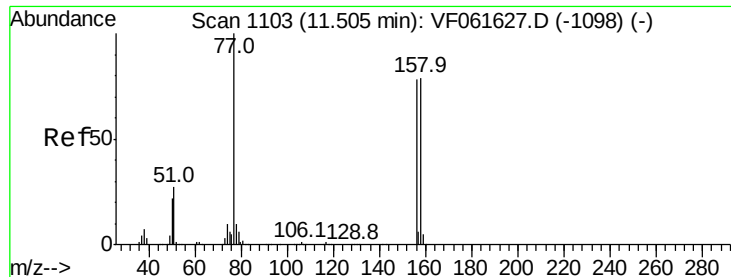
77 34.6 16.6 49.7



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 :

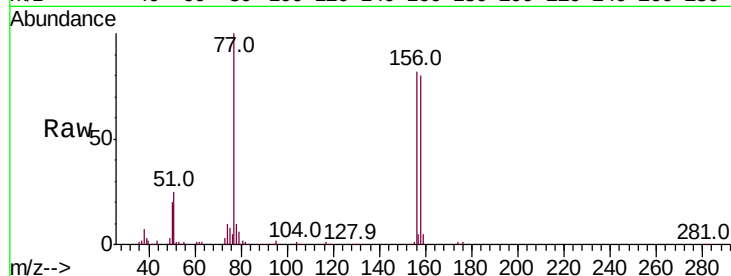
Tot Ion:156 Resp: 77255

Ion Ratio Lower Upper

156 100

77 121.3 64.3 192.7

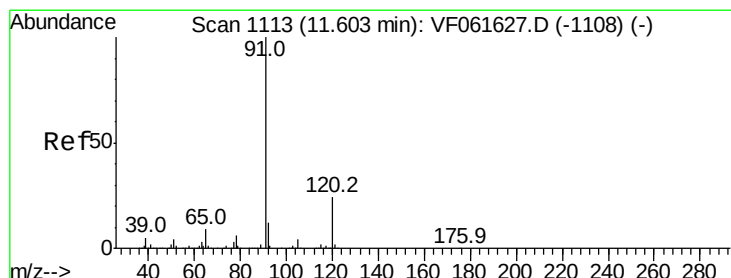
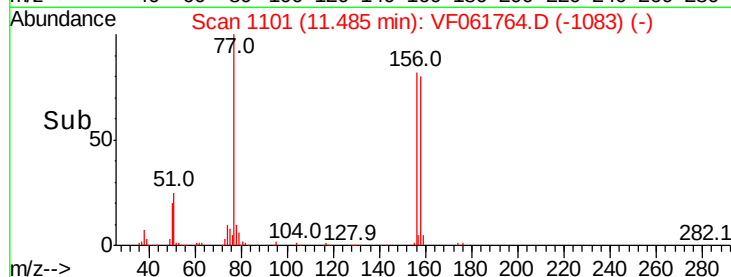
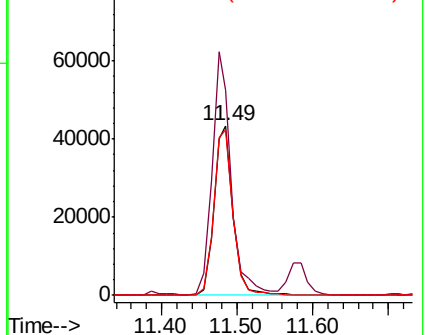
158 97.3 50.9 152.7



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

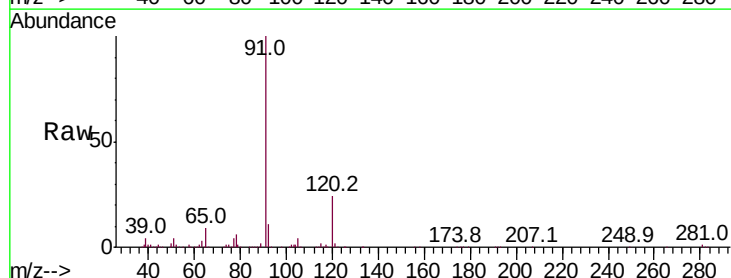
Acq: 27 Feb 2019 14:11

Tgt Ion: 91 Resp: 379778

Ion Ratio Lower Upper

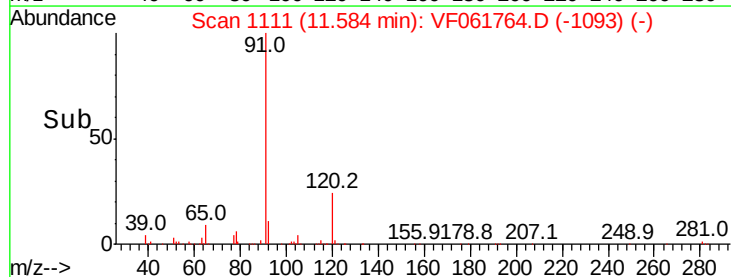
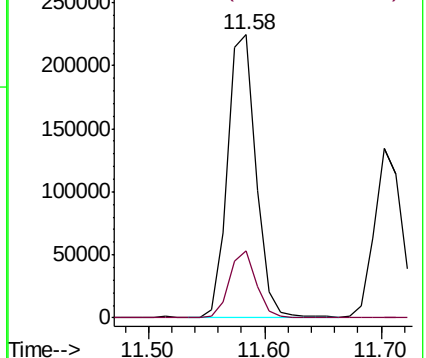
91 100

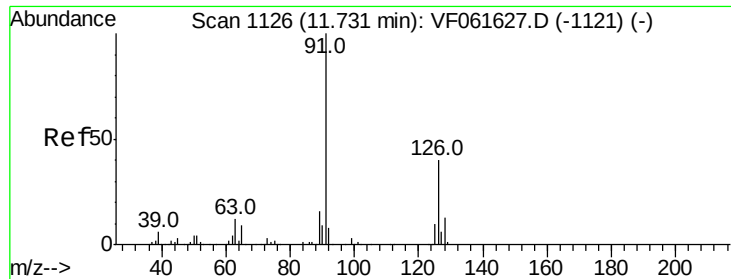
120 23.9 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

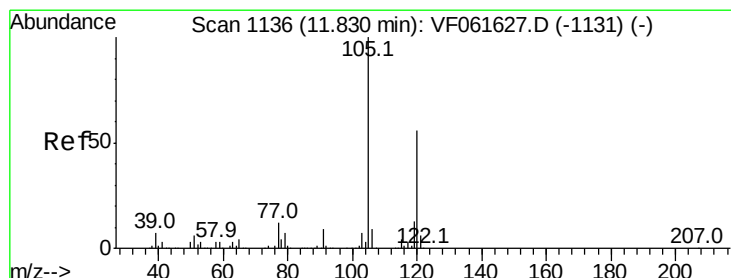
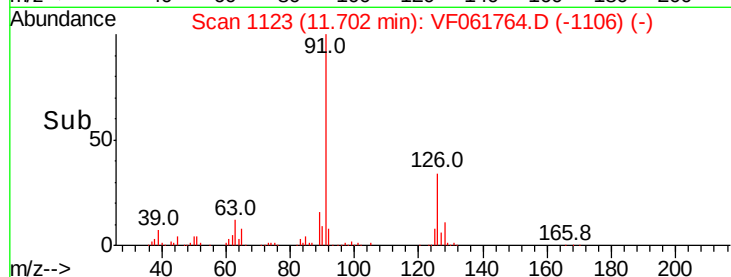
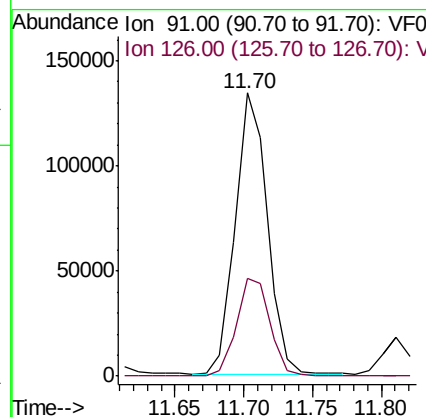
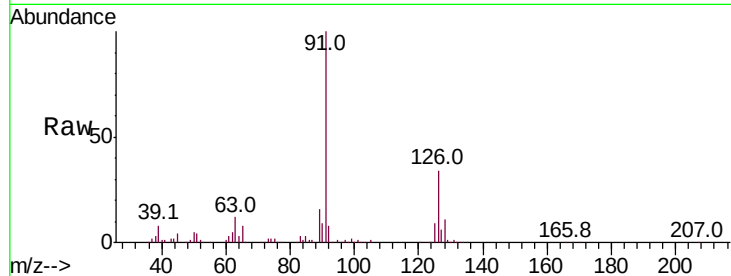




#79
 2-Chlorotoluene
 Concen: 21.306 ug/l
 RT: 11.70 min Scan# 1123
 Delta R.T. -0.03 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

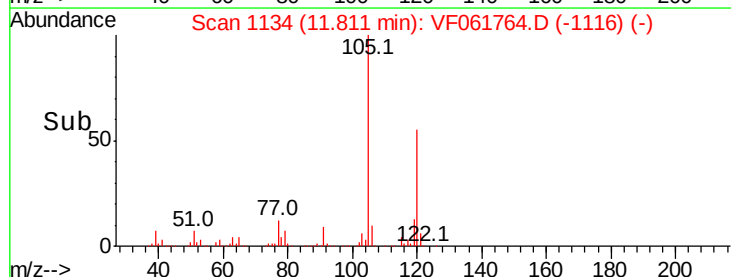
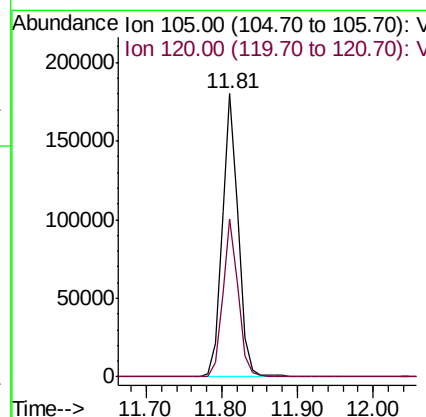
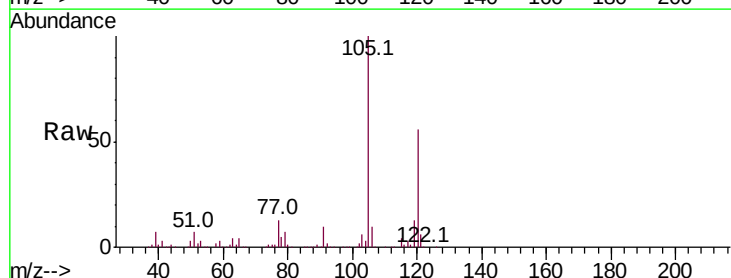
Instrument :
 MSVOA_F
 ClientSampleId :

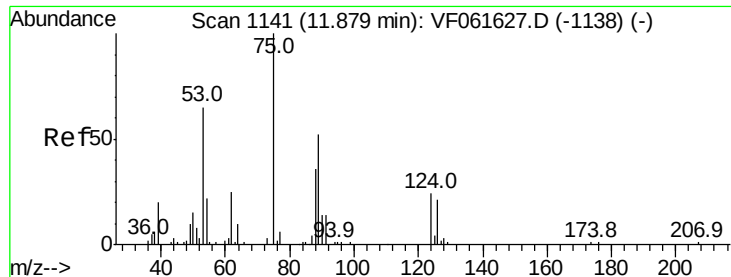
Tot Ion: 91 Resp: 216830
 Ion Ratio Lower Upper
 91 100
 126 34.4 19.8 59.4



#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

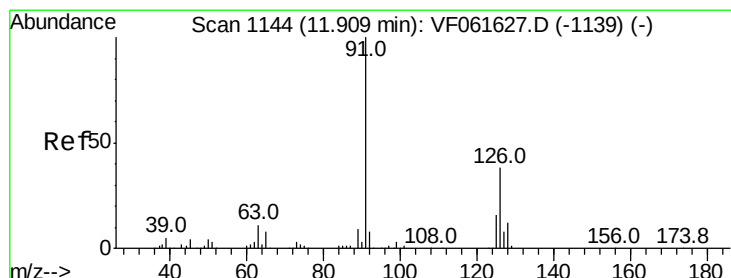
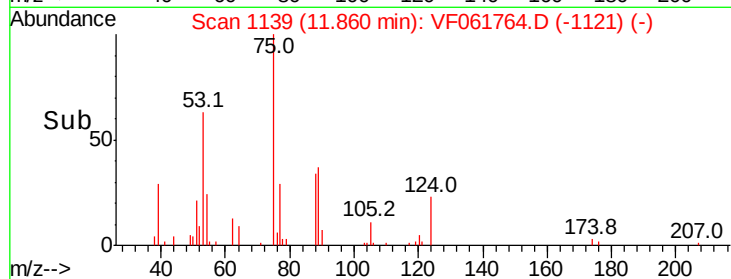
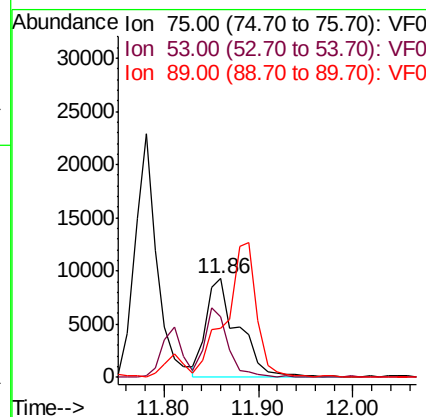
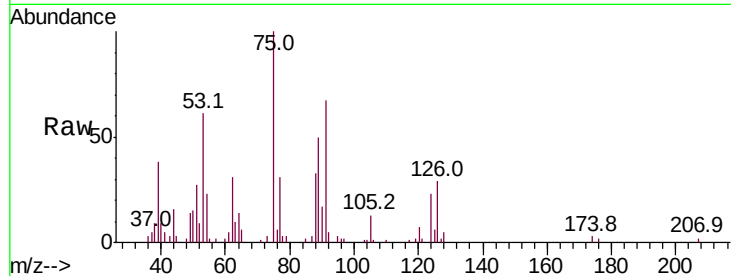




#81
trans-1,4-Dichloro-2-butene
Concen: 24.222 ug/l
RT: 11.86 min Scan# 1139
Delta R.T. -0.02 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

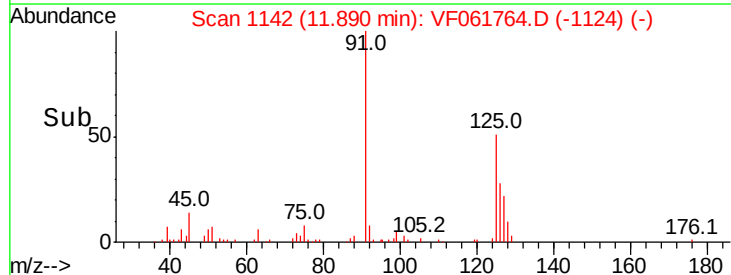
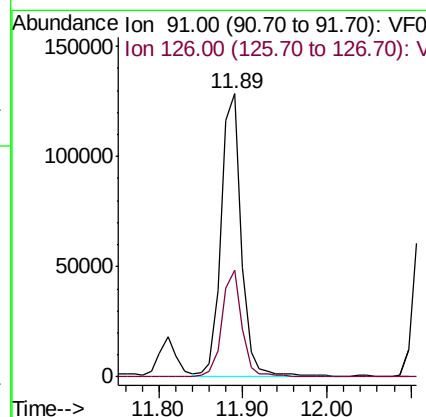
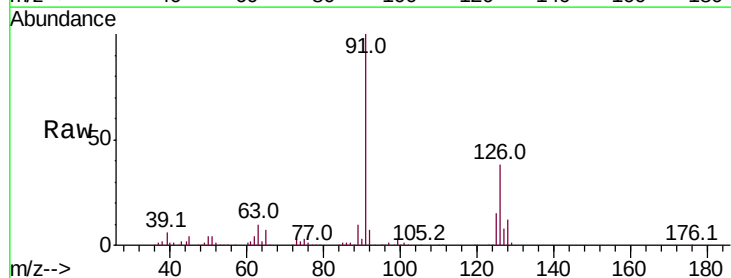
Instrument :
MSVOA_F
ClientSampleId :

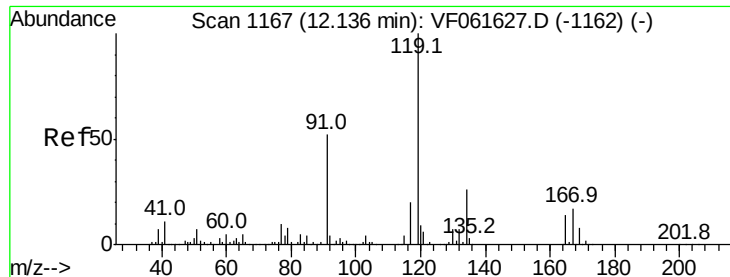
Tot Ion: 75 Resp: 22398
Ion Ratio Lower Upper
75 100
53 61.2 53.7 80.5
89 49.7 41.6 62.4



#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

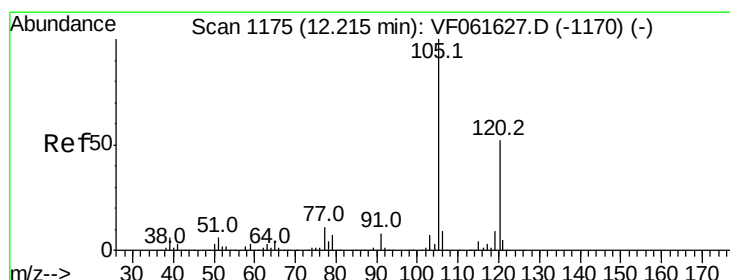
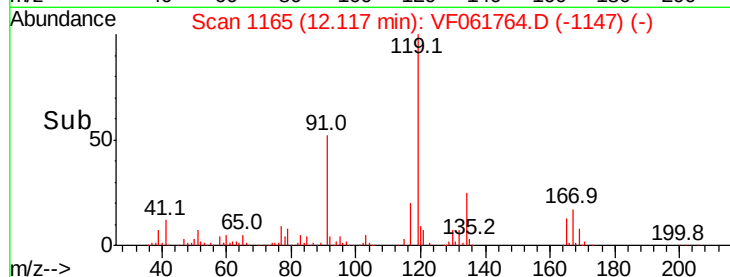
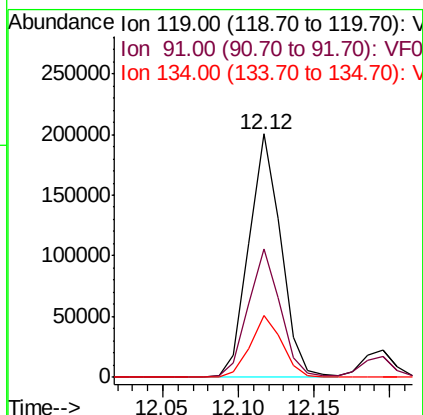
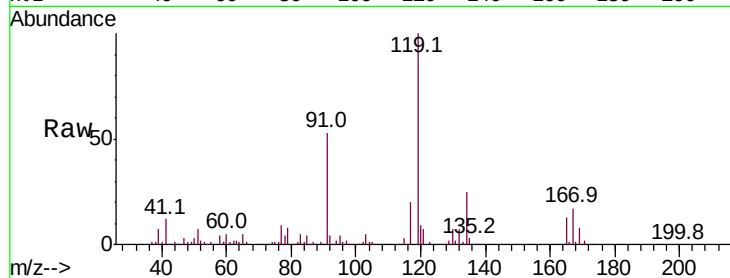




#83
 tert-Butylbenzene
 Concen: 21.288 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.02 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

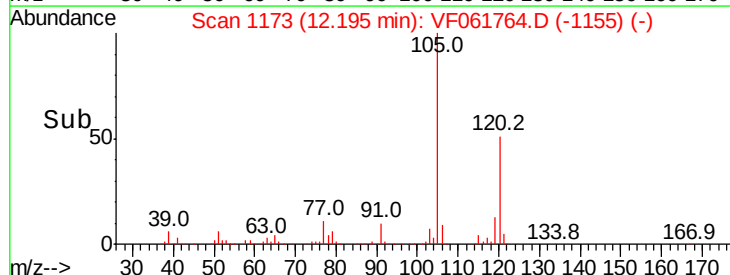
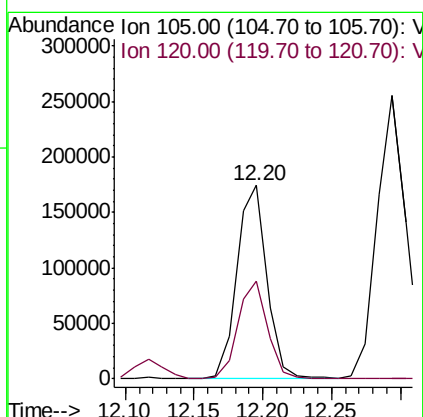
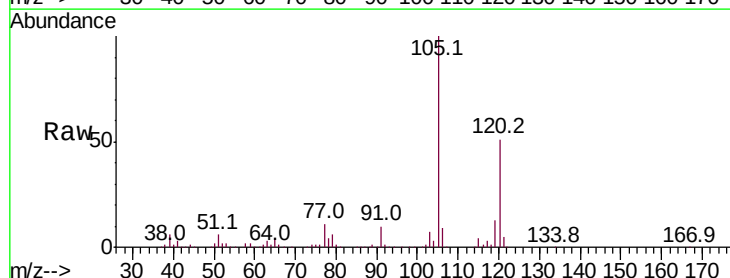
Instrument :
 MSVOA_F
 ClientSampled :

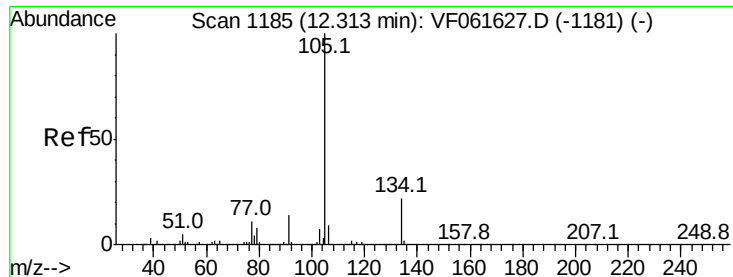
Tot Ion:119 Resp: 298424
 Ion Ratio Lower Upper
 119 100
 91 52.5 26.3 78.8
 134 25.3 12.9 38.7



#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

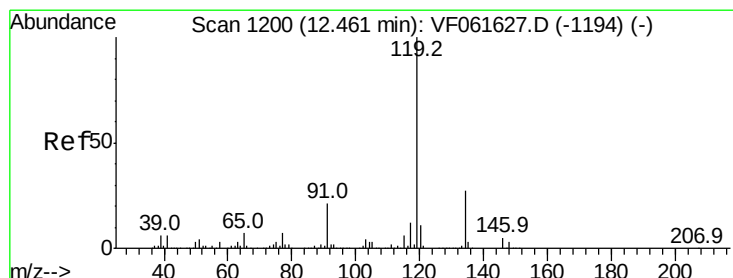
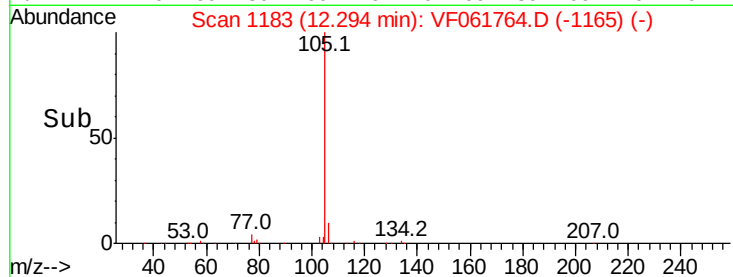
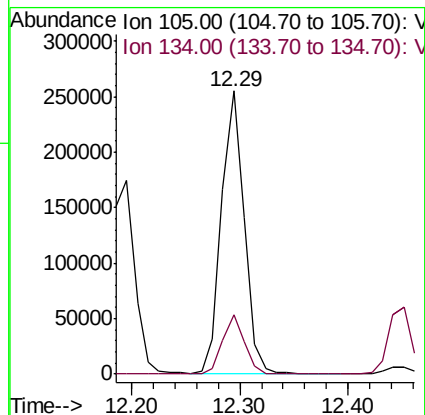
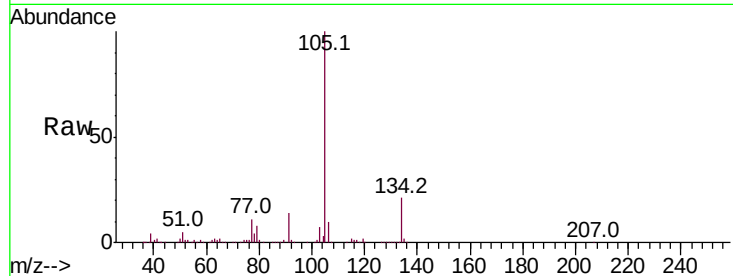
ClientSampled :

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

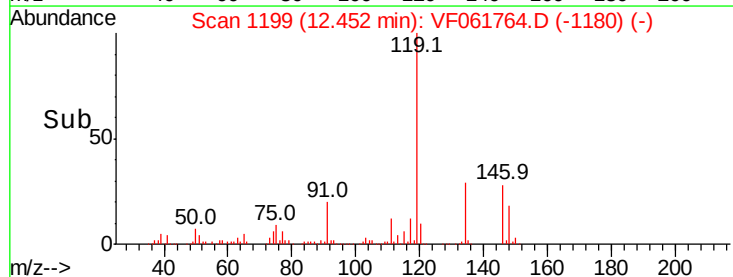
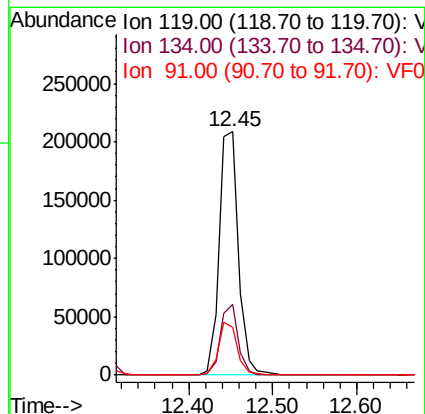
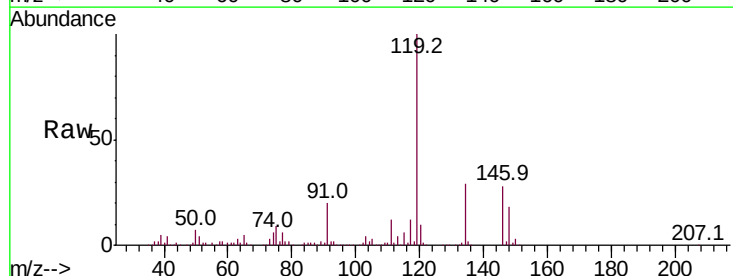
Tgt Ion:119 Resp: 332140

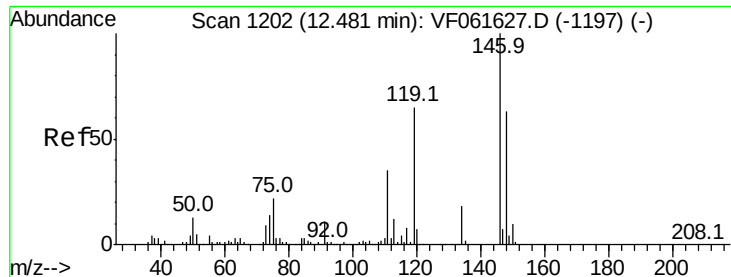
Ion Ratio Lower Upper

119 100

134 29.2 13.7 41.1

91 19.8 10.8 32.4

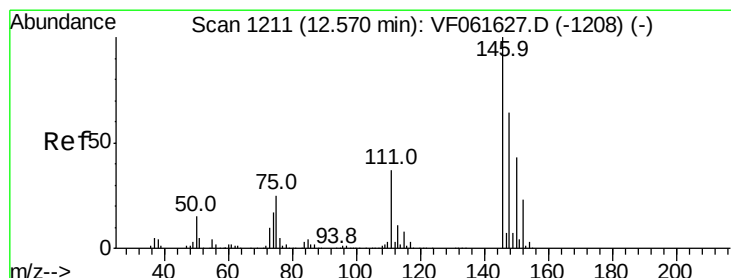
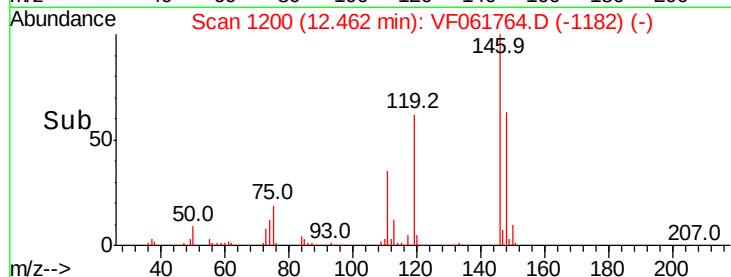
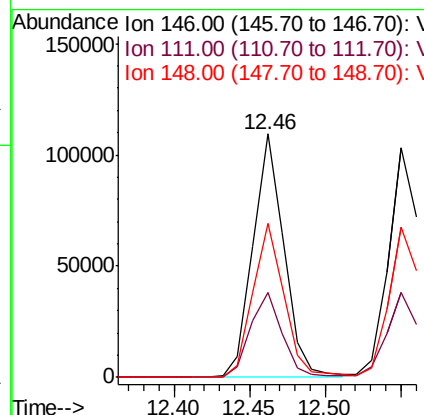
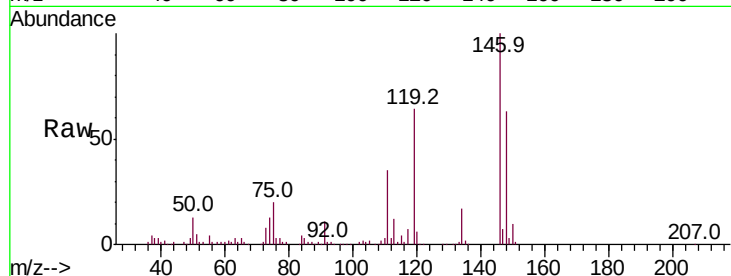




#87
 1,3-Dichlorobenzene
 Concen: 20.687 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

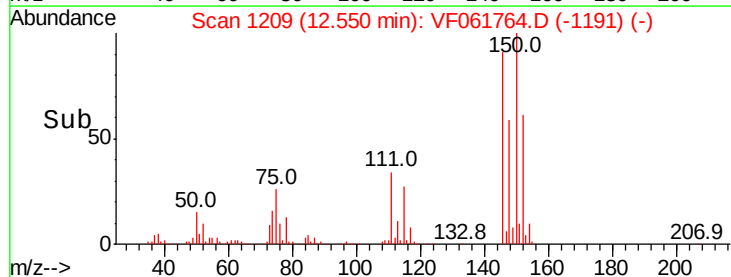
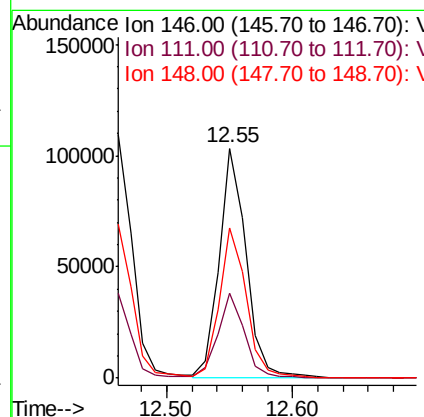
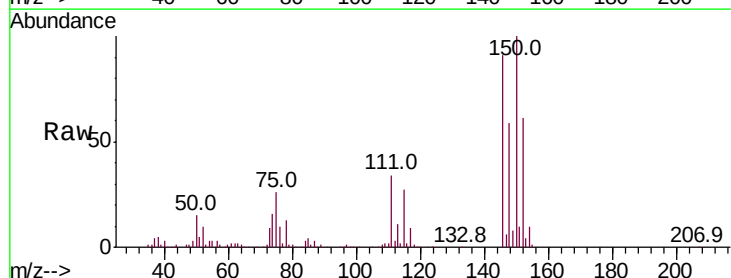
Instrument :
 MSVOA_F
 ClientSampled :

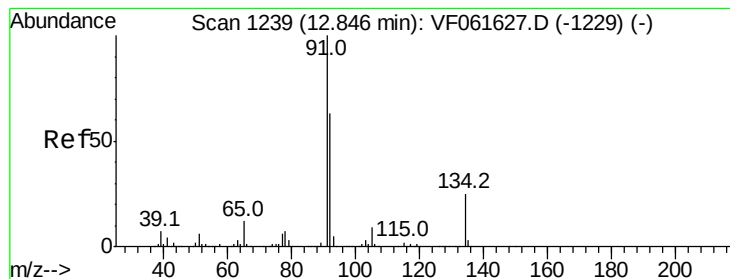
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.8	17.5	52.6
148	63.3	31.4	94.3



#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

ClientSampled :

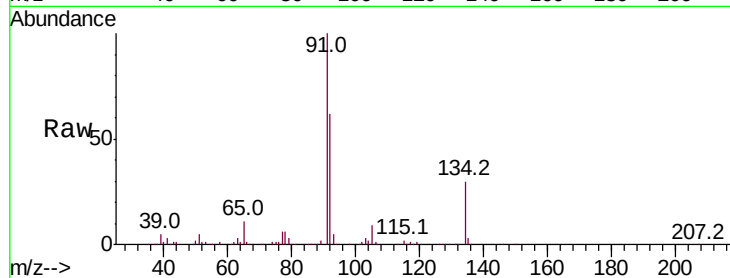
Tot Ion: 91 Resp: 308147

Ion Ratio Lower Upper

91 100

92 62.4 31.4 94.3

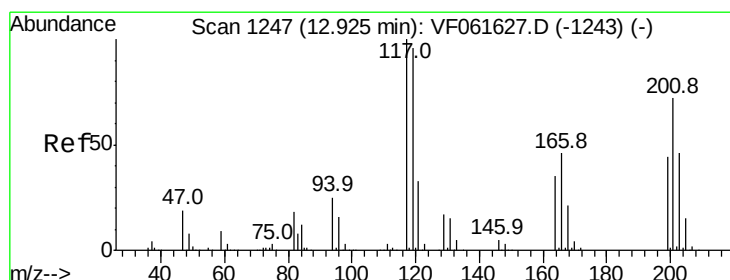
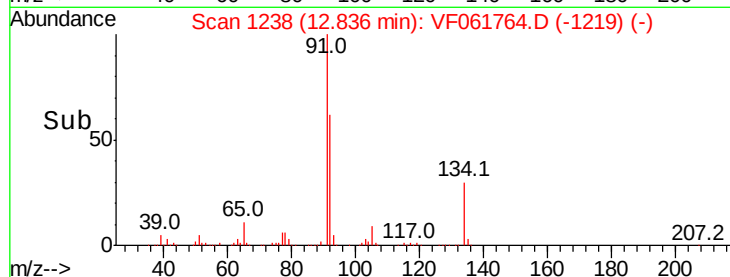
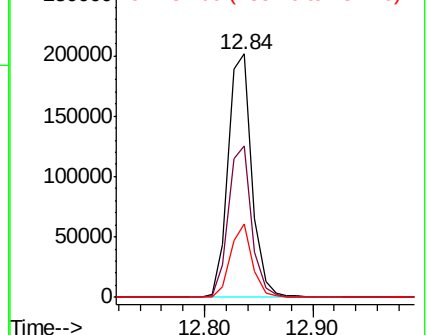
134 30.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.753 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VF061764.D

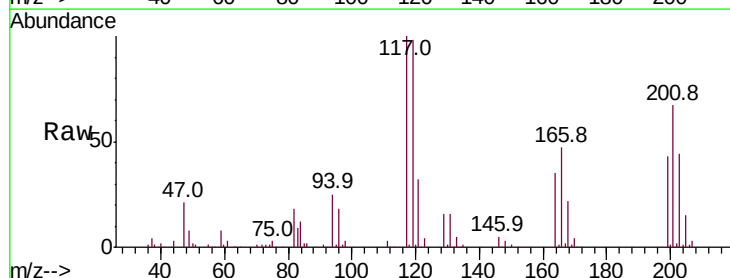
Acq: 27 Feb 2019 14:11

Tgt Ion: 117 Resp: 73429

Ion Ratio Lower Upper

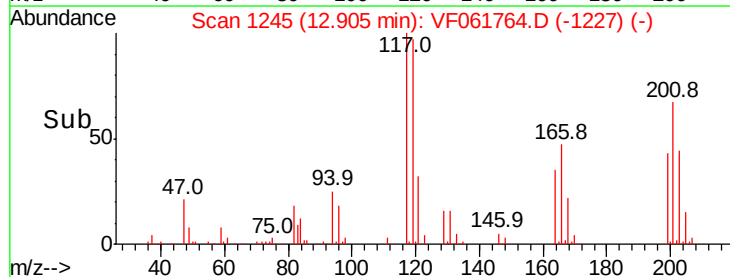
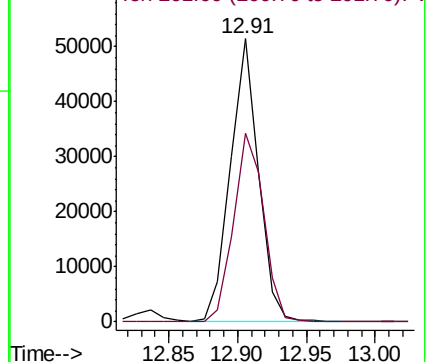
117 100

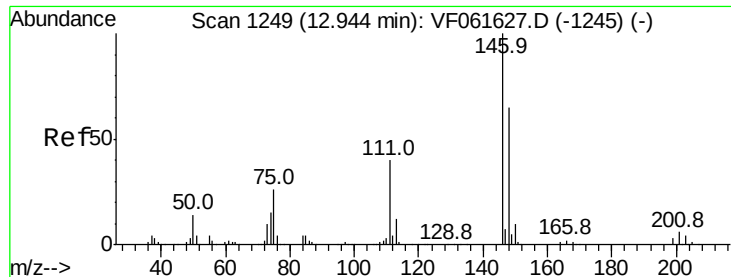
201 66.6 36.2 108.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

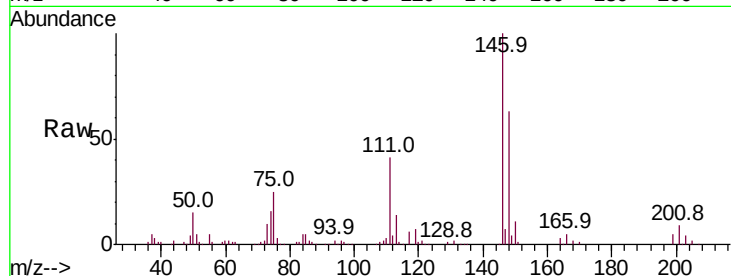




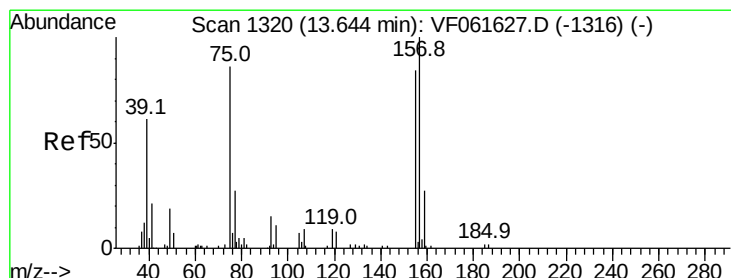
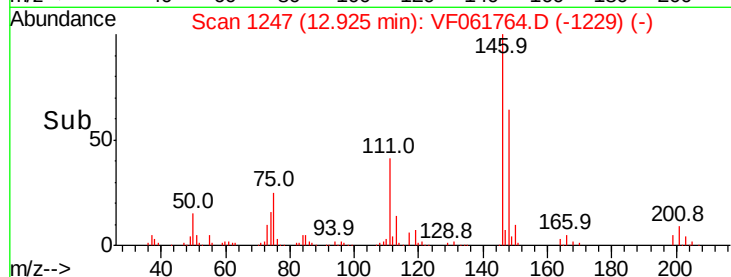
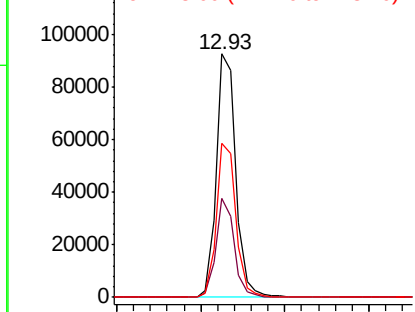
#91
 1,2-Dichlorobenzene
 Concen: 20.500 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

Instrument :
 MSVOA_F
 ClientSampleId :

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

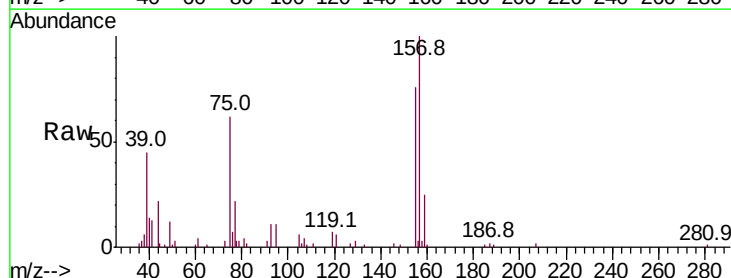


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

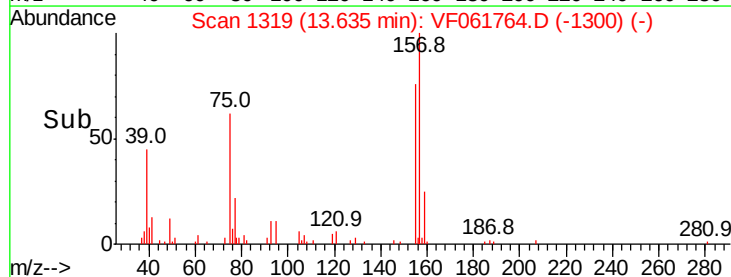
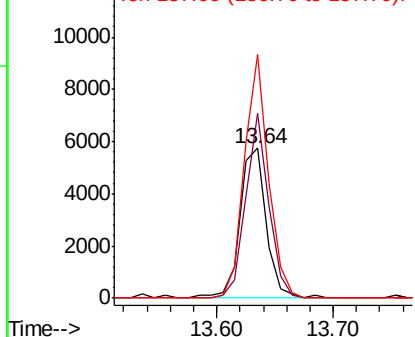


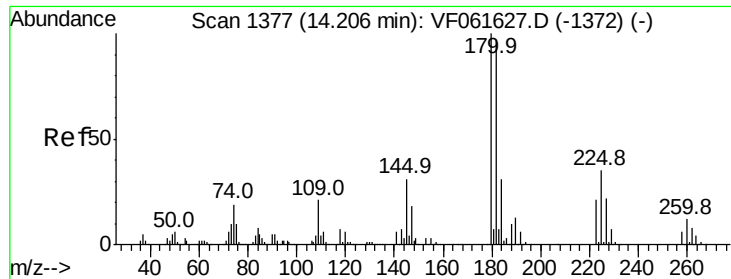
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.129 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061764.D
 Acq: 27 Feb 2019 14:11

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

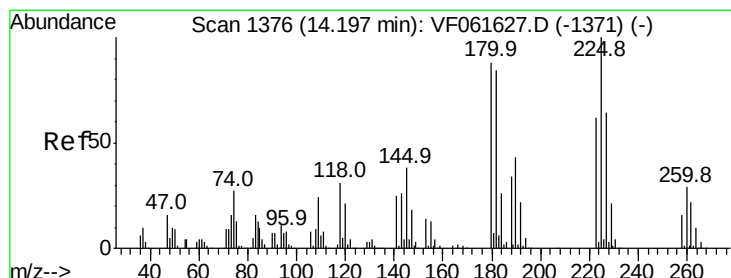
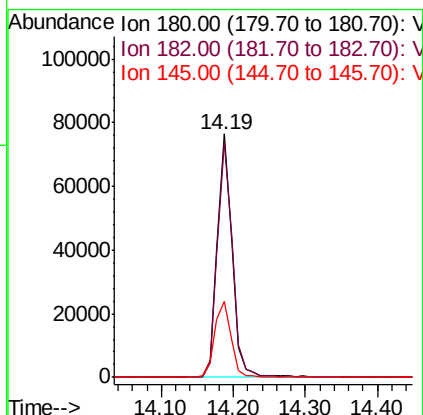
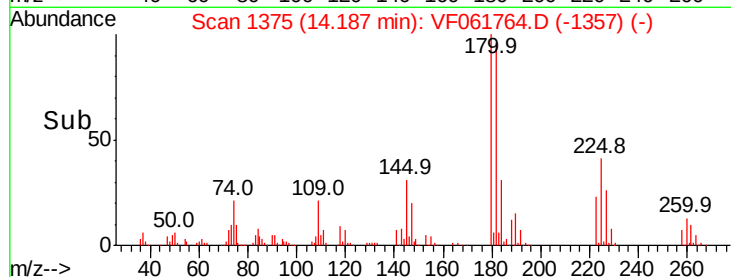
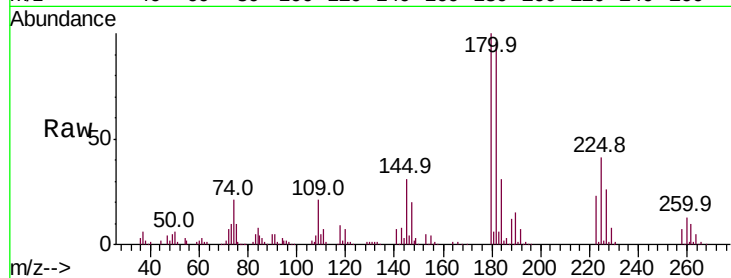




#93
1,2,4-Trichlorobenzene
Concen: 20.661 ug/l
RT: 14.19 min Scan# 1375
Delta R.T. -0.02 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

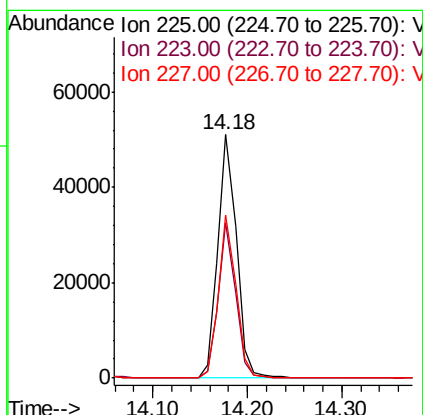
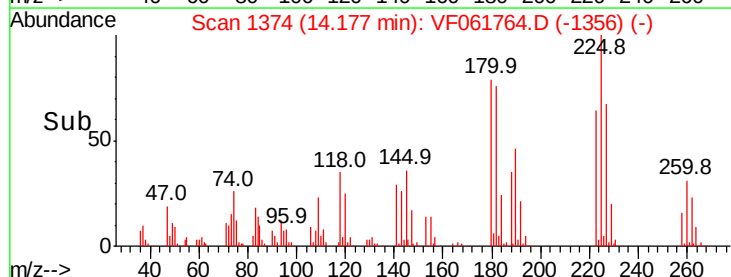
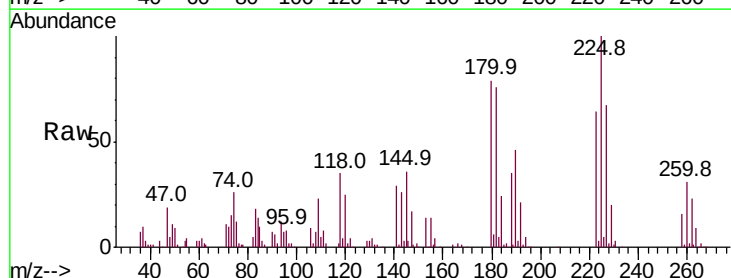
Instrument :
MSVOA_F
ClientSampled :

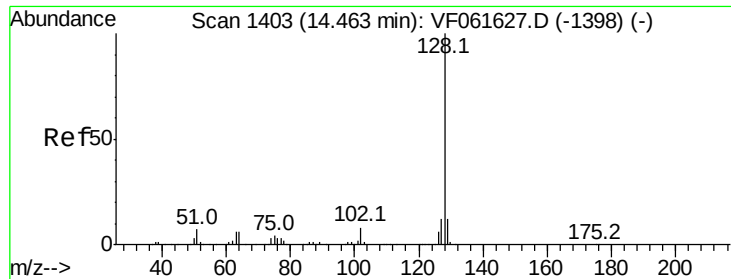
Tot Ion:180 Resp: 107429
Ion Ratio Lower Upper
180 100
182 96.1 48.6 145.9
145 31.4 15.3 45.9



#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

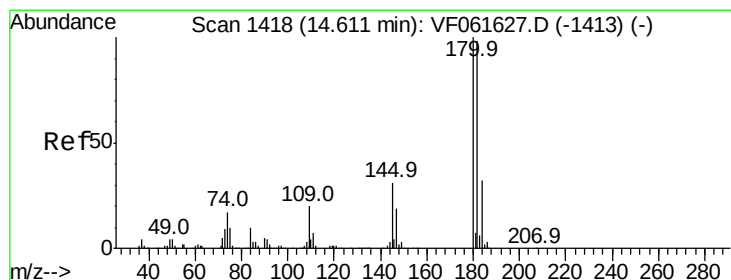
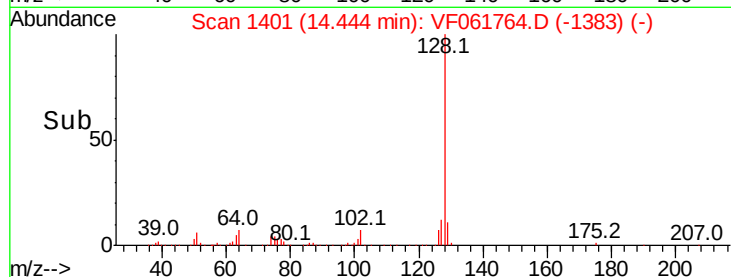
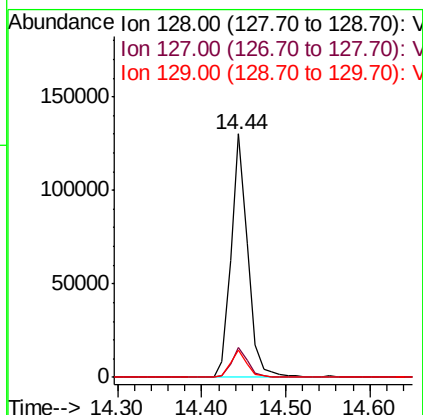
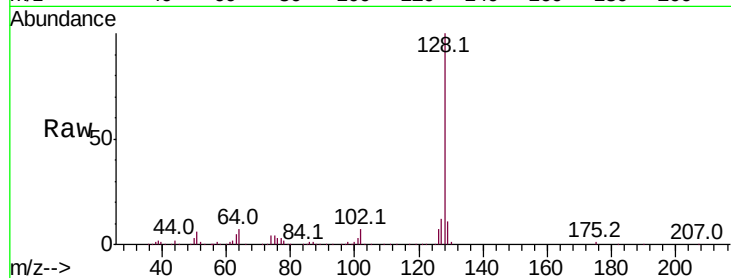




#95
Naphthalene
Concen: 19.787 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061764.D
Acq: 27 Feb 2019 14:11

Instrument :
MSVOA_F
ClientSampleId :

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



#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

