

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061744.D
 Acq On : 26 Feb 2019 16:06
 Operator : VA/AP
 Sample : VF0226SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBSD01

Quant Time: Feb 27 04:07:26 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	298101	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	450555	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	371094	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	213764	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	116548	53.32	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	106.64%	
35) Dibromofluoromethane	4.08	113	169985	50.80	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	7.53	98	492198	51.17	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.40	95	195584	50.26	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	87284	25.496	ug/l	99
3) Chloromethane	1.09	50	84205	23.443	ug/l	97
4) Vinyl Chloride	1.14	62	77134	23.100	ug/l	96
5) Bromomethane	1.32	94	53521	23.289	ug/l	95
6) Chloroethane	1.39	64	36304	22.062	ug/l	92
7) Trichlorofluoromethane	1.47	101	71961	17.868	ug/l	90
8) Diethyl Ether	1.61	74	21917	21.594	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.83	101	68695	23.644	ug/l #	91
10) Methyl Iodide	1.91	142	98167	17.688	ug/l	93
11) Tert butyl alcohol	2.56	59	12929	102.195	ug/l	94
12) 1,1-Dichloroethene	1.79	96	61231	23.970	ug/l	94
13) Acrolein	1.99	56	12762	80.262	ug/l	94
14) Allyl chloride	2.08	41	60729	19.374	ug/l	96
15) Acrylonitrile	2.93	53	45934	102.361	ug/l	92
16) Acetone	2.23	43	50843	108.402	ug/l	92
17) Carbon Disulfide	1.82	76	147833	18.411	ug/l	96
18) Methyl Acetate	2.33	43	26284	24.876	ug/l	92
19) Methyl tert-butyl Ether	2.41	73	99746	22.848	ug/l	98
20) Methylene Chloride	2.17	84	21724	6.448	ug/l	95
21) trans-1,2-Dichloroethene	2.29	96	49277	17.746	ug/l	99
22) Diisopropyl ether	2.78	45	168697	22.420	ug/l	97
23) Vinyl Acetate	3.17	43	371957	101.211	ug/l	99
24) 1,1-Dichloroethane	2.85	63	101034	22.189	ug/l	98
25) 2-Butanone	4.31	43	98494	96.139	ug/l	92
26) 2,2-Dichloropropane	3.57	77	44062	22.845	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	77566	21.281	ug/l	97
28) Bromochloromethane	3.68	49	43324	19.830	ug/l	91
29) Tetrahydrofuran	4.06	42	41606	89.352	ug/l	96
30) Chloroform	3.84	83	121372	23.439	ug/l	97
31) Cyclohexane	3.66	56	60443	12.262	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	67335	19.850	ug/l	98
36) 1,1-Dichloropropene	4.26	75	91005	20.390	ug/l	93
37) Ethyl Acetate	4.09	43	35077	16.920	ug/l #	91
38) Carbon Tetrachloride	3.96	117	68118	22.102	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	107133	20.296	ug/l	98
40) Benzene	4.60	78	245775	21.052	ug/l	97
41) Methacrylonitrile	4.72	41	20505	19.341	ug/l #	88
42) 1,2-Dichloroethane	4.92	62	60130	21.532	ug/l	94
43) Isopropyl Acetate	6.94	43	45216	18.426	ug/l #	91
44) Trichloroethene	5.48	130	78056	20.676	ug/l	99
45) 1,2-Dichloropropane	6.21	63	58045	20.569	ug/l	95
46) Dibromomethane	6.06	93	35928	20.678	ug/l	92
47) Bromodichloromethane	6.36	83	83347	21.905	ug/l	95
48) Methyl methacrylate	6.69	41	28817	19.514	ug/l	96
49) 1,4-Dioxane	6.68	88	5235	377.108	ug/l	91
51) 4-Methyl-2-Pentanone	8.24	43	170333	97.145	ug/l	99
52) Toluene	7.60	92	148991	21.043	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	65389	20.649	ug/l	100
54) cis-1,3-Dichloropropene	7.28	75	89250	21.159	ug/l	94
55) 1,1,2-Trichloroethane	8.47	97	41753	20.071	ug/l	98
56) Ethyl methacrylate	8.60	69	44598	19.256	ug/l	97
57) 1,3-Dichloropropane	8.83	76	64257	18.506	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	34415	86.121	ug/l	100
59) 2-Hexanone	9.47	43	122117	99.357	ug/l	98
60) Dibromochloromethane	8.69	129	59085	20.406	ug/l	99
61) 1,2-Dibromoethane	8.96	107	43833	19.427	ug/l	93
64) Tetrachloroethene	8.13	164	67226	22.163	ug/l	96
65) Chlorobenzene	9.78	112	167213	22.205	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	64897	21.993	ug/l	99
67) Ethyl Benzene	9.88	91	269824	21.546	ug/l	97
68) m/p-Xylenes	10.11	106	220294	45.965	ug/l	99
69) o-Xylene	10.70	106	117051	22.888	ug/l	93
70) Styrene	10.77	104	159033	21.982	ug/l	95
71) Bromoform	10.75	173	31007	19.351	ug/l	99
73) Isopropylbenzene	11.11	105	328906	21.611	ug/l	100
74) N-amyl acetate	11.36	43	78794	21.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	55982	20.531	ug/l	99
76) 1,2,3-Trichloropropane	11.78	75	36303	19.583	ug/l	99
77) Bromobenzene	11.48	156	81445	21.661	ug/l	95
78) n-propylbenzene	11.58	91	383744	21.972	ug/l	100
79) 2-Chlorotoluene	11.70	91	219683	22.460	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	277810	22.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	21320	23.989	ug/l	94
82) 4-Chlorotoluene	11.89	91	214782	21.156	ug/l	99
83) tert-Butylbenzene	12.12	119	312033	23.160	ug/l	100
84) 1,2,4-Trimethylbenzene	12.19	105	276104	22.847	ug/l	100
85) sec-Butylbenzene	12.29	105	393602	22.591	ug/l	98
86) p-Isopropyltoluene	12.45	119	327397	22.391	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	157560	21.495	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	147232	20.886	ug/l	99
89) n-Butylbenzene	12.83	91	318976	23.102	ug/l	98
90) Hexachloroethane	12.90	117	80303	23.614	ug/l	100
91) 1,2-Dichlorobenzene	12.92	146	146101	20.955	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	7835	18.124	ug/l	92

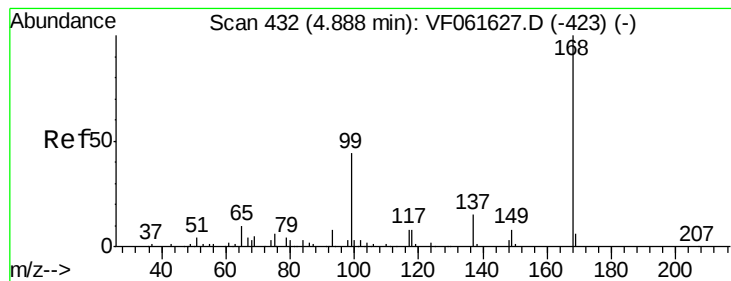
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022619\
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	110947	22.201	ug/l	98
94) Hexachlorobutadiene	14.18	225	74070	23.999	ug/l	99
95) Naphthalene	14.44	128	175143	20.031	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	102656	22.381	ug/l	98

(#) = 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: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

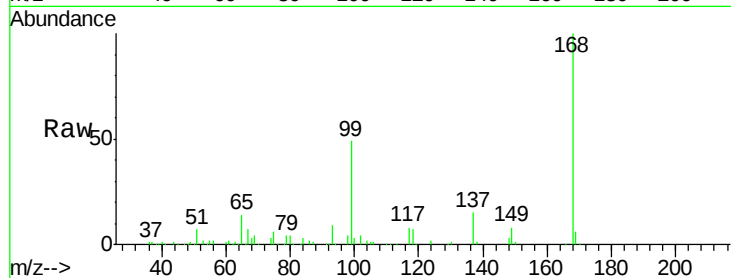
VF0226SBSD01

Tot Ion:168 Resp: 298101

Ion Ratio Lower Upper

168 100

99 48.8 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

100000

80000

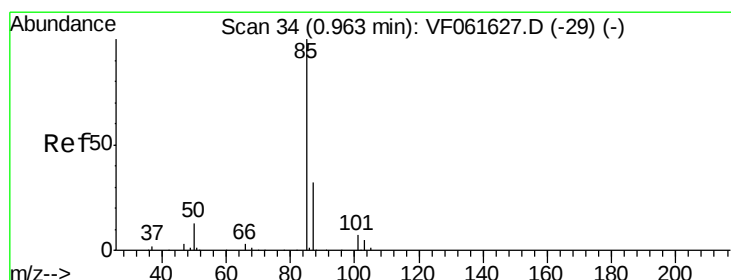
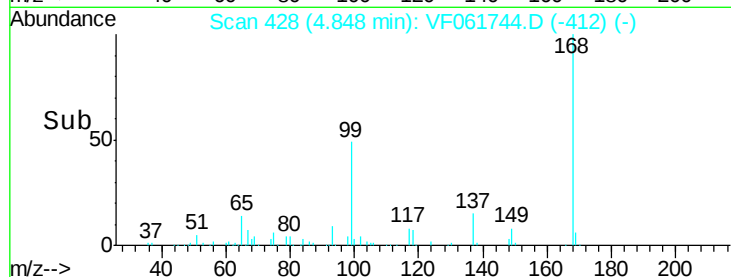
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 25.496 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061744.D

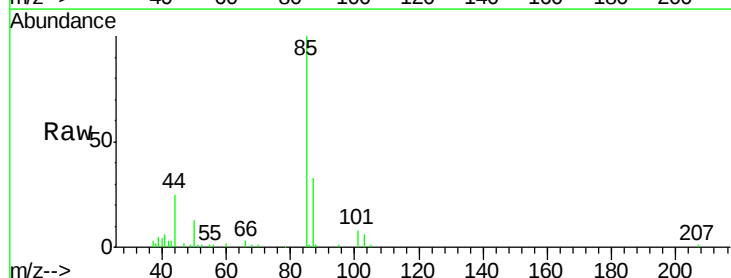
Acq: 26 Feb 2019 16:06

Tgt Ion: 85 Resp: 87284

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

25000

20000

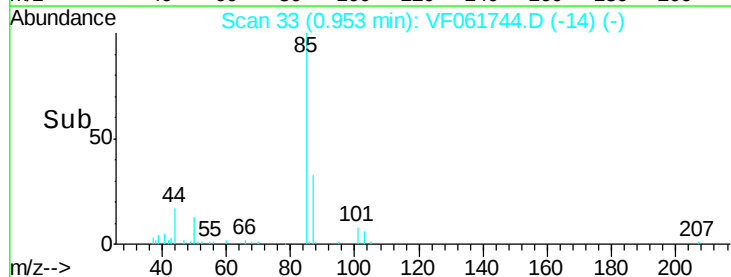
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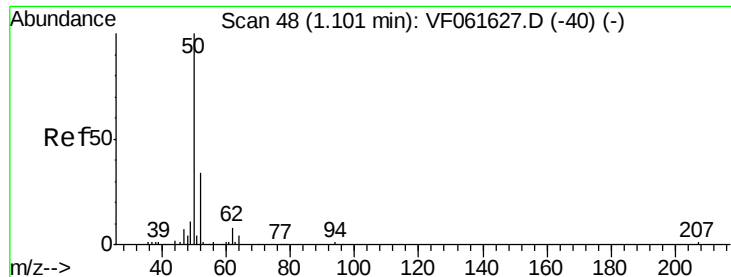
10000

5000

0

Time-->





#3

Chloromethane

Concen: 23.443 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

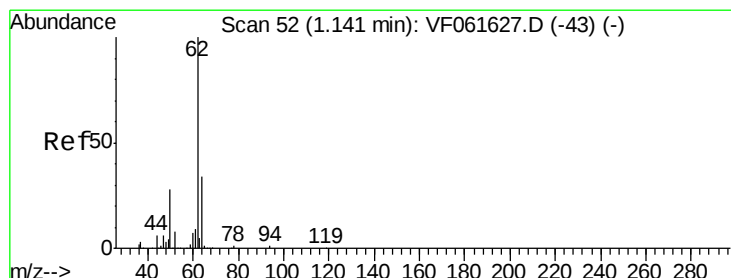
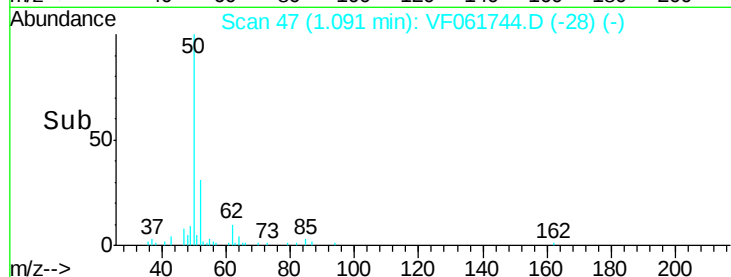
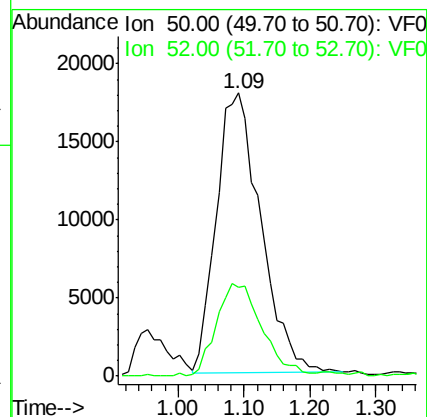
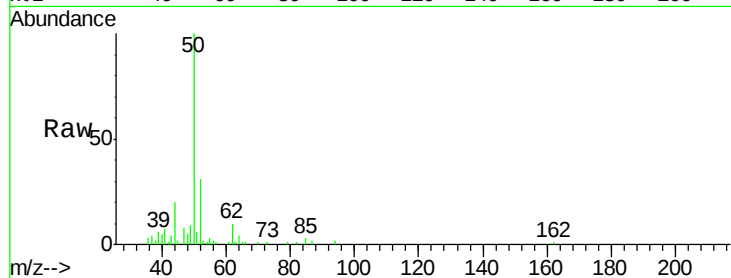
VF0226SBS01

Tot Ion: 50 Resp: 84205

Ion Ratio Lower Upper

50 100

52 31.2 26.2 39.4



#4

Vinyl Chloride

Concen: 23.100 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061744.D

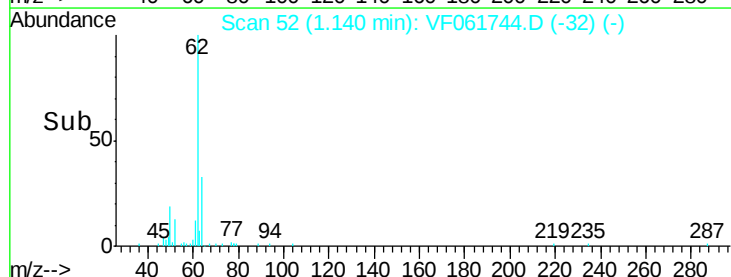
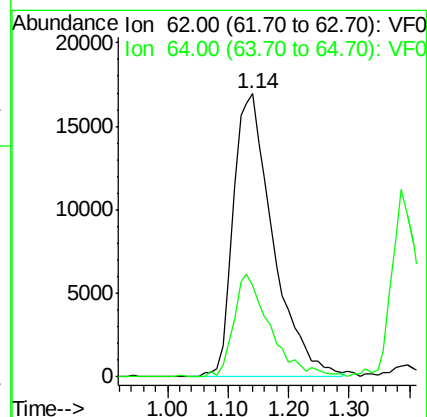
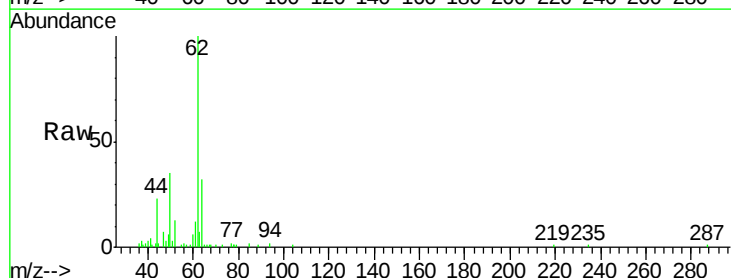
Acq: 26 Feb 2019 16:06

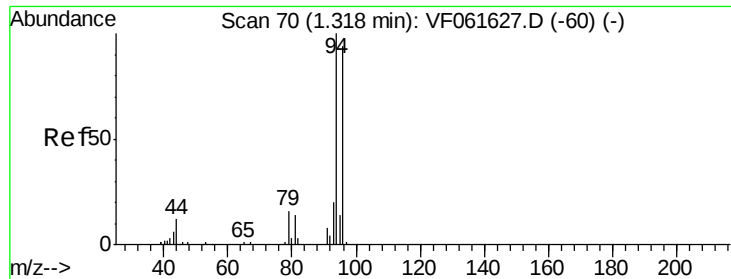
Tgt Ion: 62 Resp: 77134

Ion Ratio Lower Upper

62 100

64 32.3 27.5 41.3





#5

Bromomethane

Concen: 23.289 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

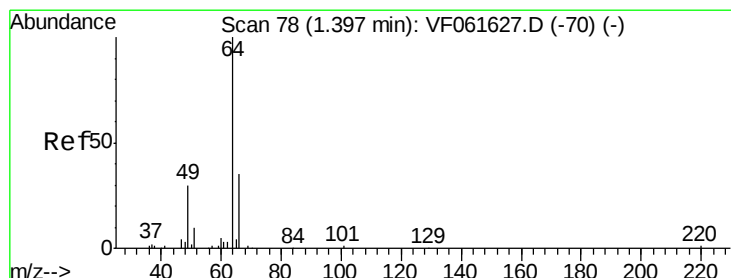
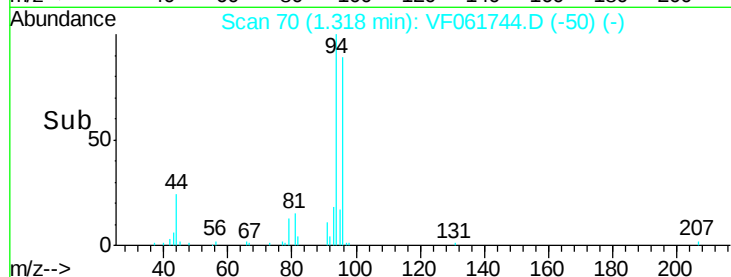
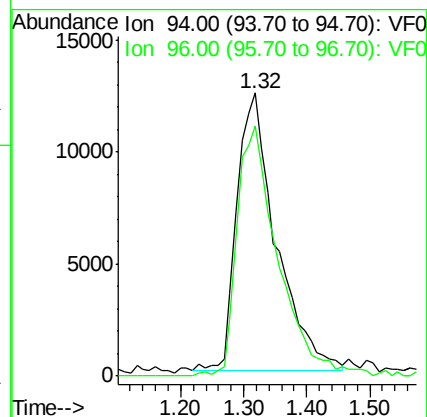
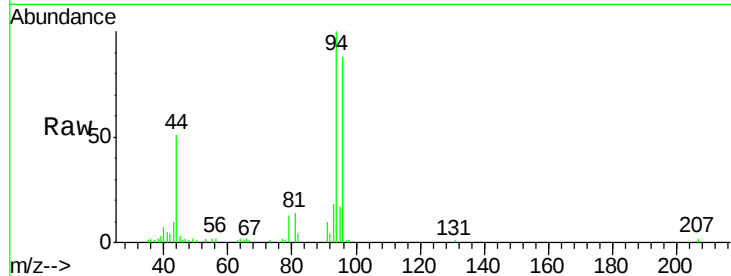
VF0226SBSD01

Tot Ion: 94 Resp: 53521

Ion Ratio Lower Upper

94 100

96 88.1 74.6 112.0



#6

Chloroethane

Concen: 22.062 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061744.D

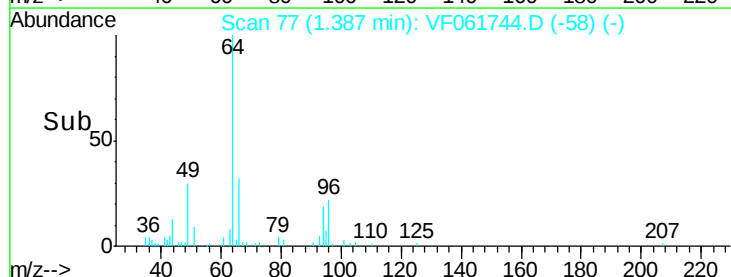
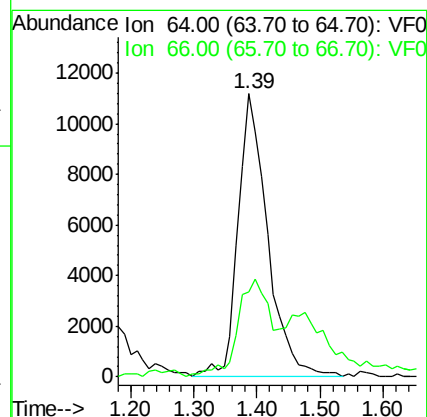
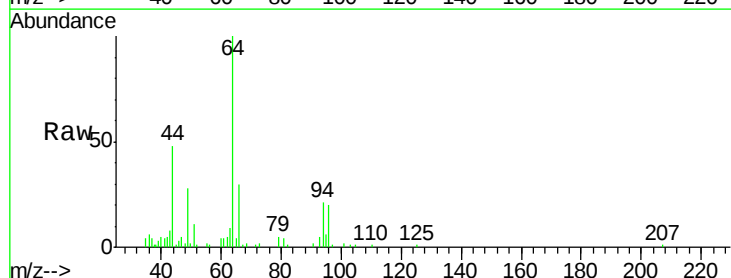
Acq: 26 Feb 2019 16:06

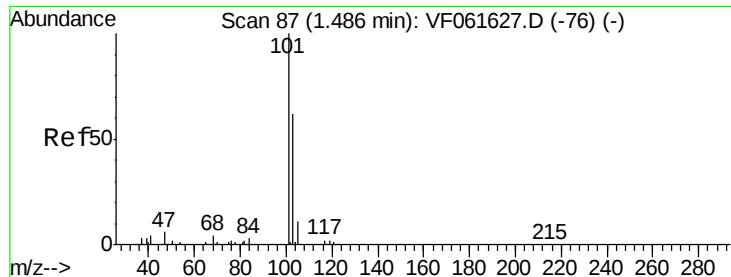
Tgt Ion: 64 Resp: 36304

Ion Ratio Lower Upper

64 100

66 30.2 27.9 41.9





#7

Trichlorofluoromethane

Concen: 17.868 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

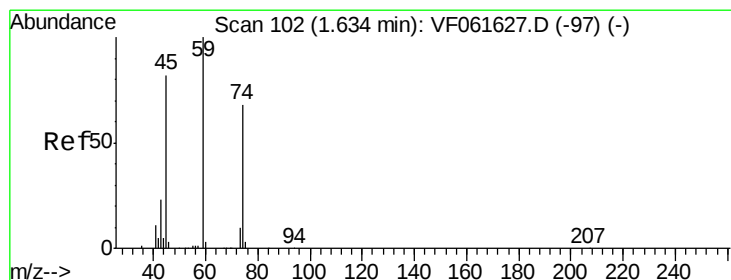
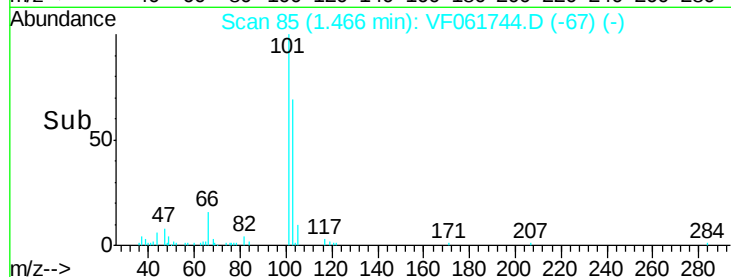
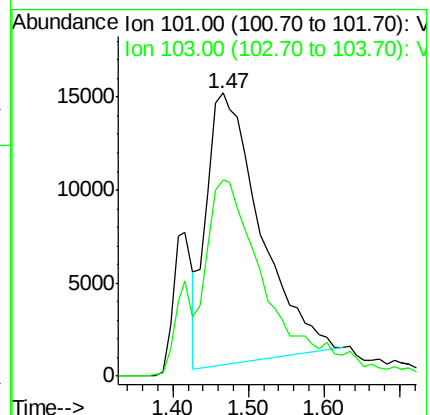
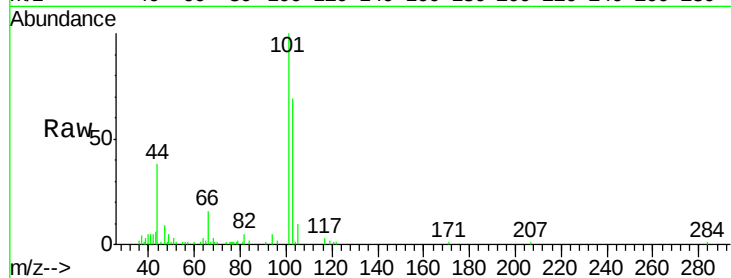
VF0226SBSD01

Tot Ion:101 Resp: 71961

Ion Ratio Lower Upper

101 100

103 69.2 49.3 73.9



#8

Diethyl Ether

Concen: 21.594 ug/l

RT: 1.61 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF061744.D

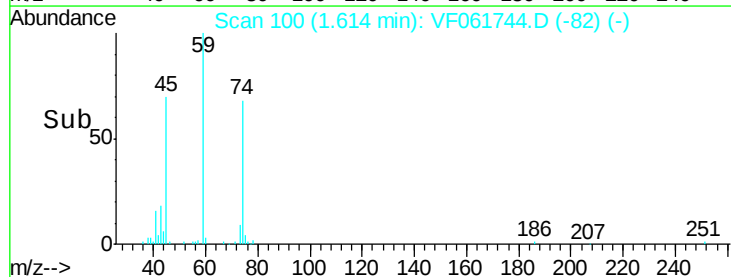
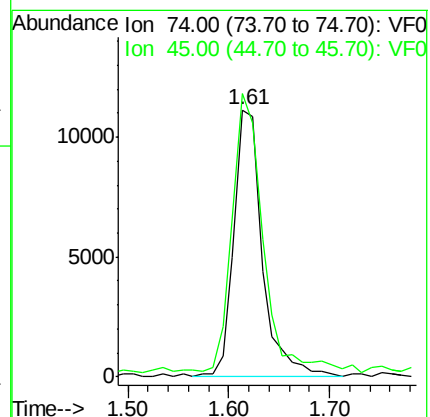
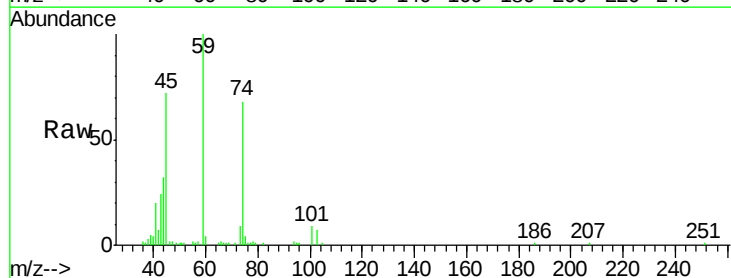
Acq: 26 Feb 2019 16:06

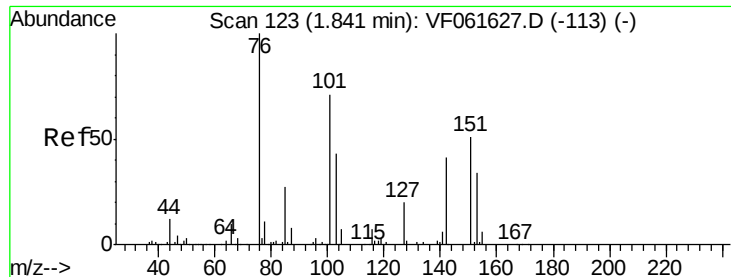
Tgt Ion: 74 Resp: 21917

Ion Ratio Lower Upper

74 100

45 105.9 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.644 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

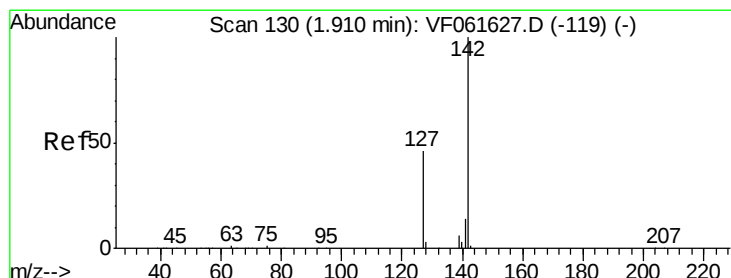
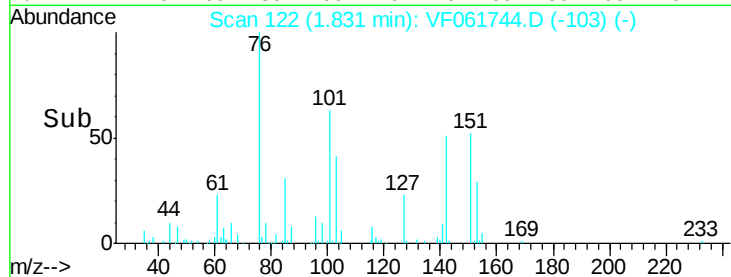
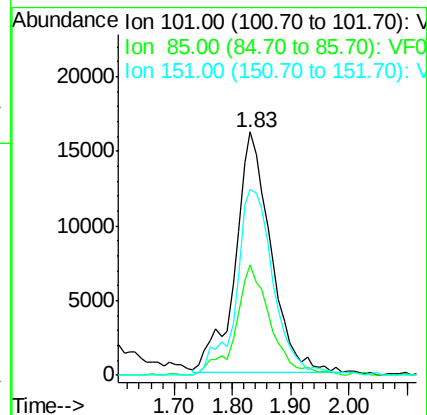
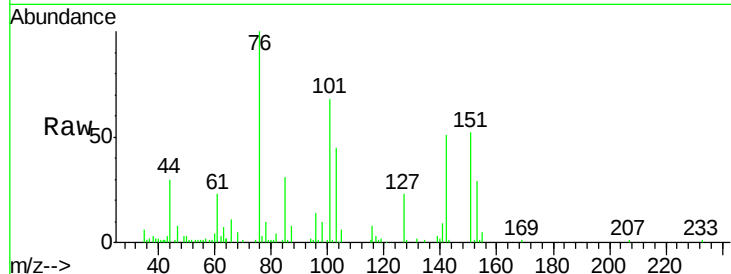
Tot Ion:101 Resp: 68695

Ion Ratio Lower Upper

101 100

85 45.6 29.8 44.6#

151 76.1 56.3 84.5



#10

Methyl Iodide

Concen: 17.688 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

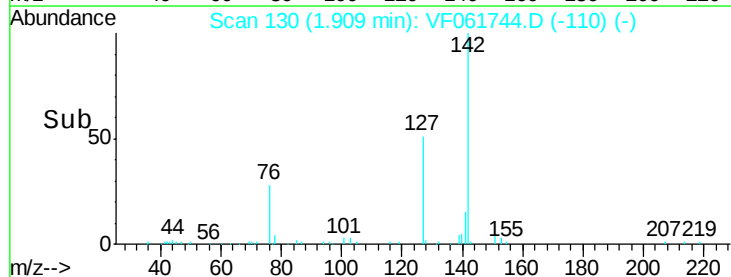
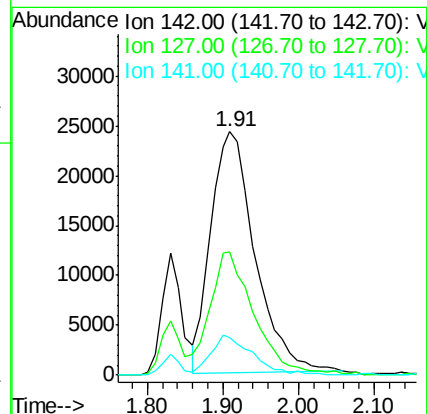
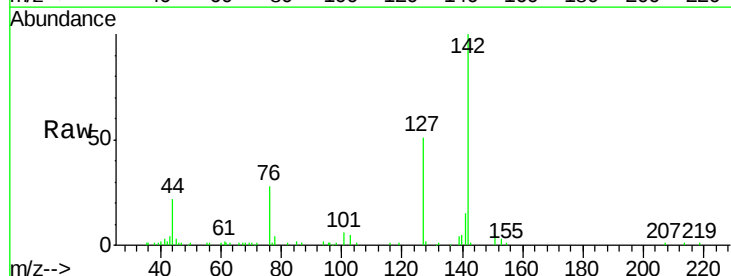
Tgt Ion:142 Resp: 98167

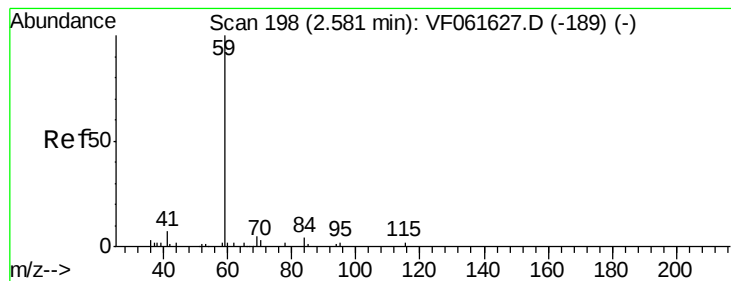
Ion Ratio Lower Upper

142 100

127 50.7 36.6 55.0

141 15.4 11.0 16.6



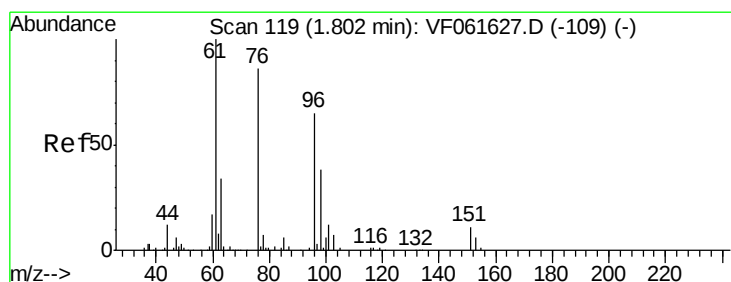
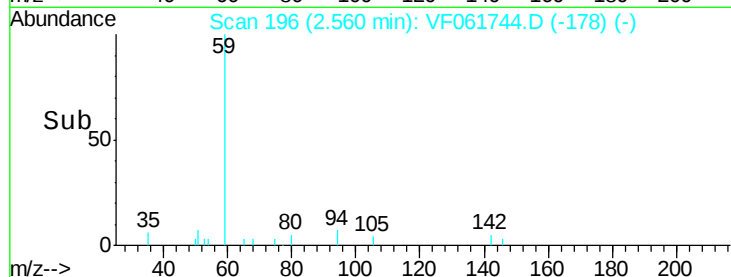
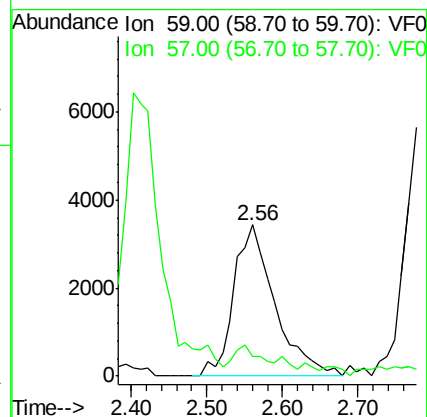
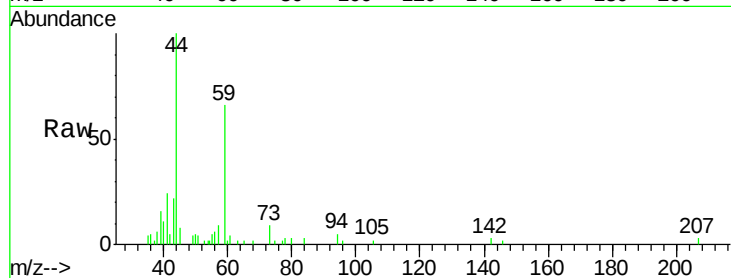


#11

Tert butyl alcohol
Concen: 102.195 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

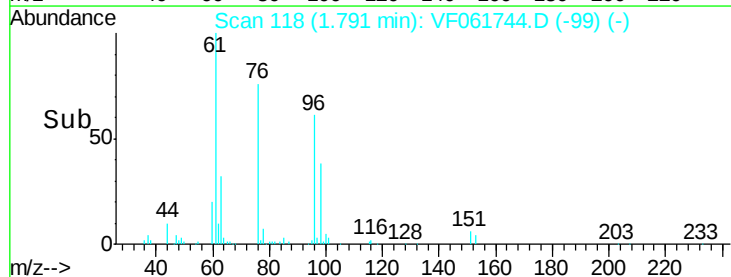
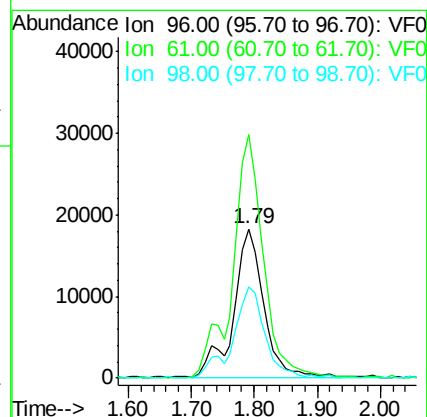
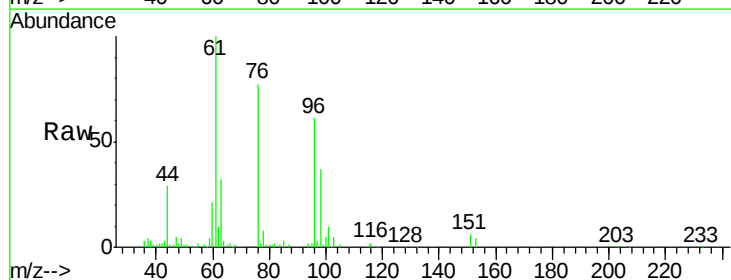
Tot Ion: 59 Resp: 12929
Ion Ratio Lower Upper
59 100
57 12.9 12.5 18.7

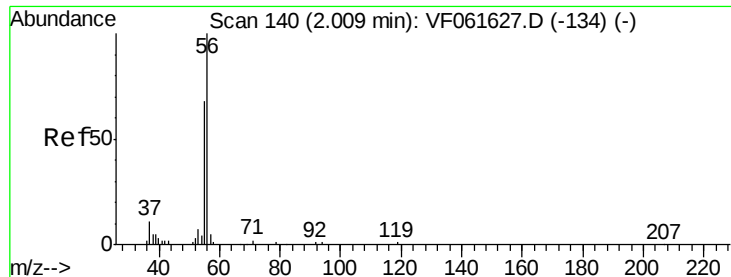


#12

1,1-Dichloroethene
Concen: 23.970 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion: 96 Resp: 61231
Ion Ratio Lower Upper
96 100
61 162.8 122.6 184.0
98 61.0 47.2 70.8





#13

Acrolein

Concen: 80.262 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

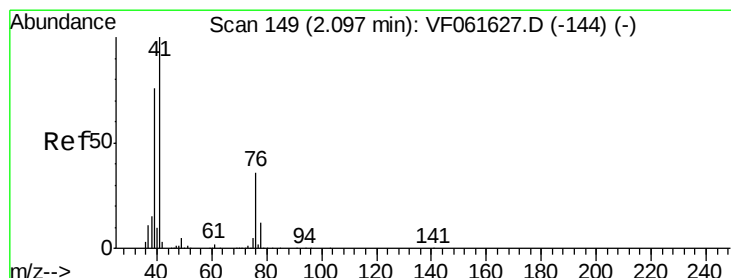
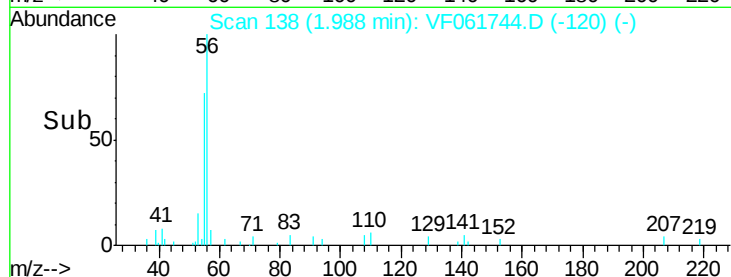
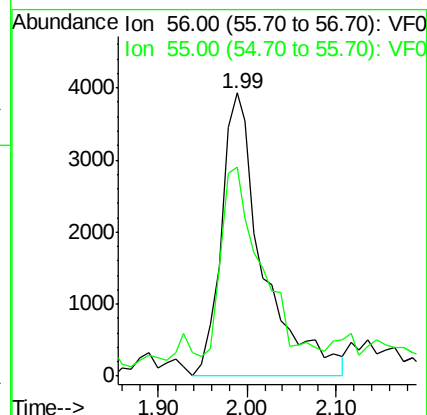
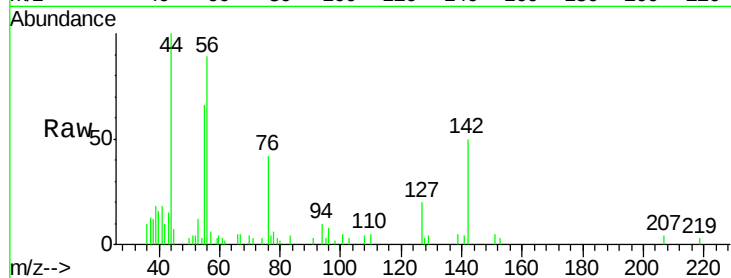
VF0226SBS01

Tot Ion: 56 Resp: 12762

Ion Ratio Lower Upper

56 100

55 73.9 55.0 82.6



#14

Allyl chloride

Concen: 19.374 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

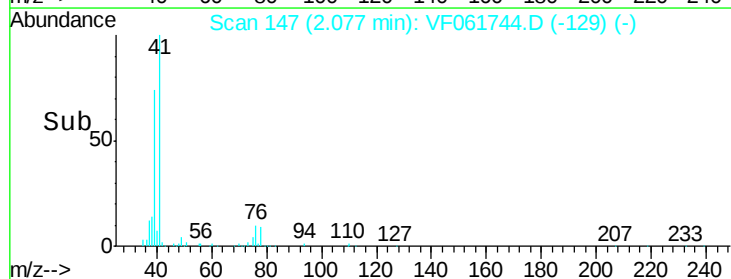
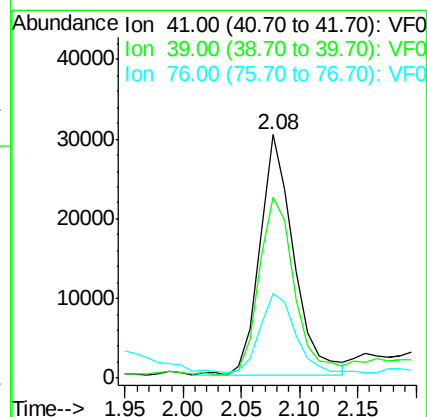
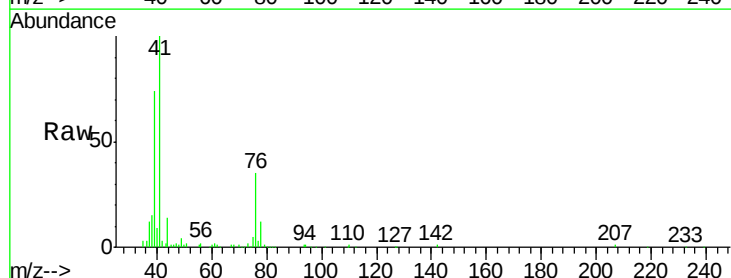
Tgt Ion: 41 Resp: 60729

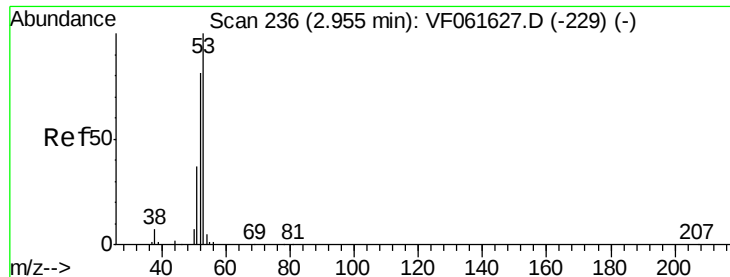
Ion Ratio Lower Upper

41 100

39 74.1 61.6 92.4

76 35.1 30.3 45.5





#15

Acrylonitrile

Concen: 102.361 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

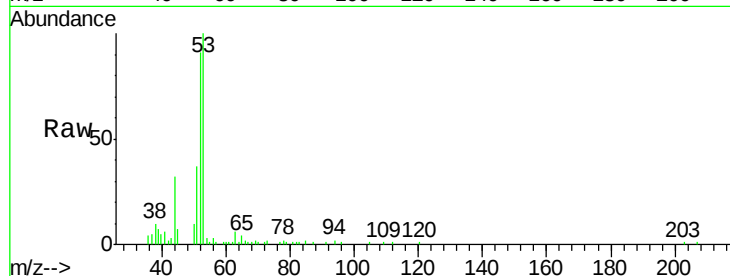
Tot Ion: 53 Resp: 45934

Ion Ratio Lower Upper

53 100

52 91.2 64.6 97.0

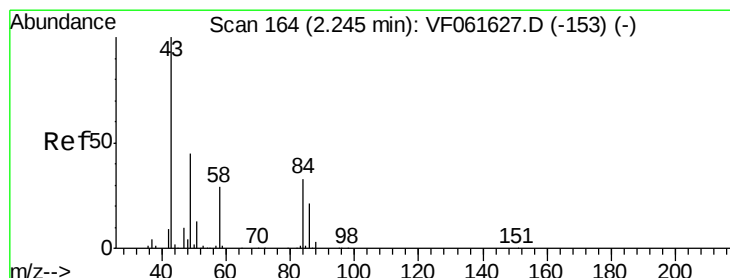
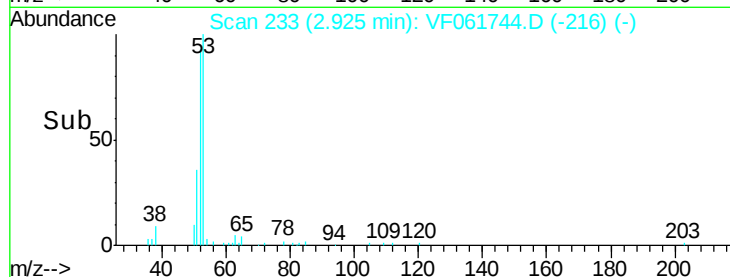
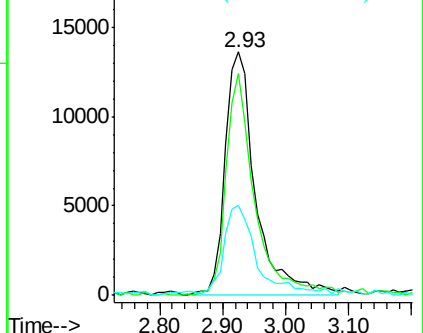
51 36.7 29.8 44.8



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: 108.402 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061744.D

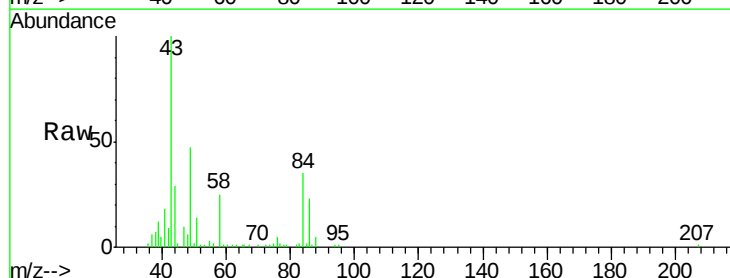
Acq: 26 Feb 2019 16:06

Tgt Ion: 43 Resp: 50843

Ion Ratio Lower Upper

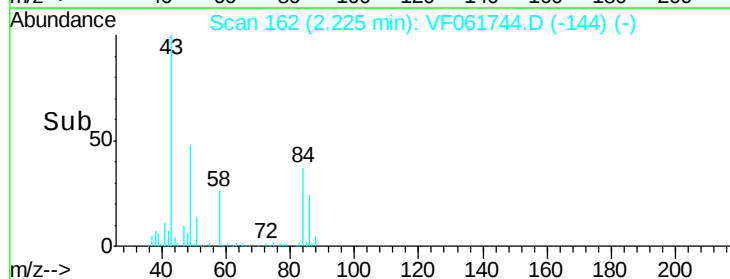
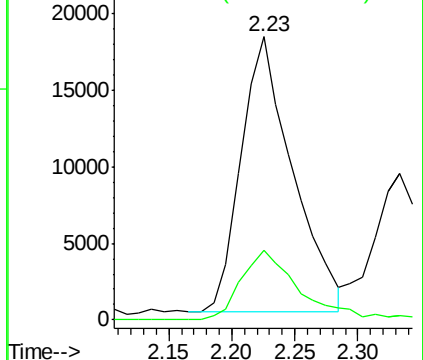
43 100

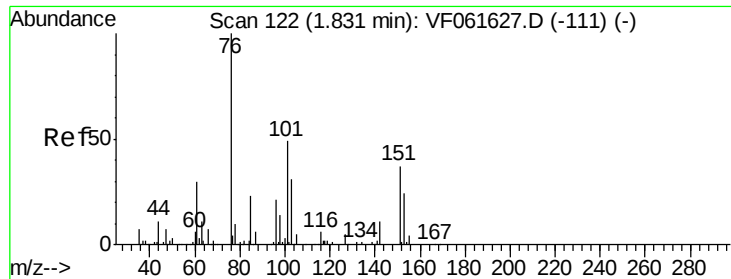
58 24.6 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 18.411 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

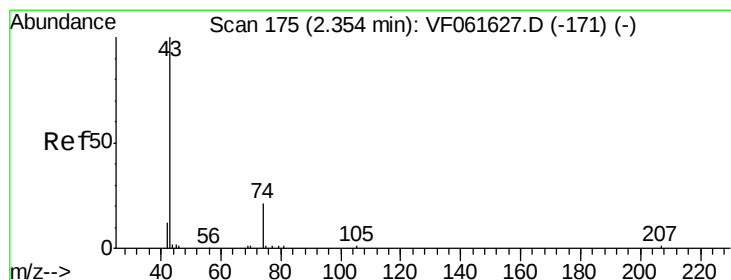
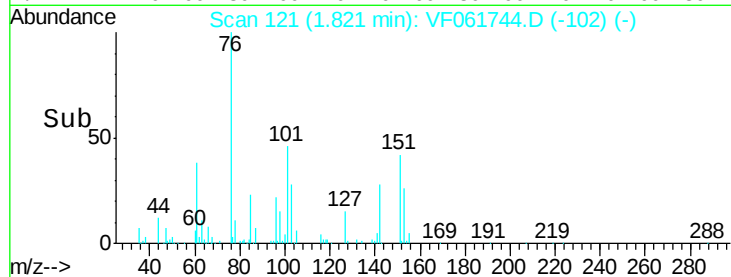
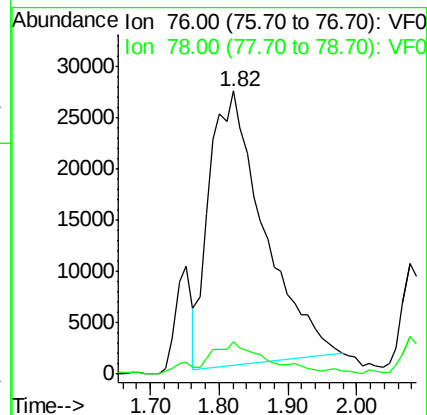
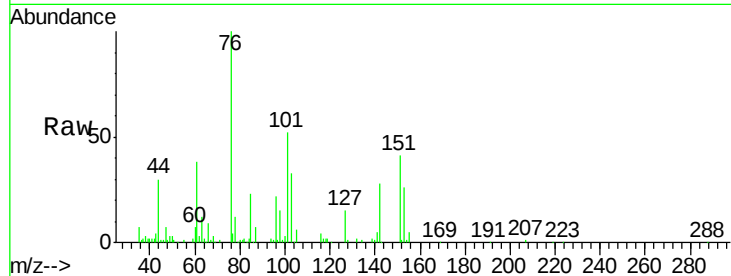
VF0226SBSD01

Tot Ion: 76 Resp: 147833

Ion Ratio Lower Upper

76 100

78 11.5 7.9 11.9



#18

Methyl Acetate

Concen: 24.876 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.02 min

Lab File: VF061744.D

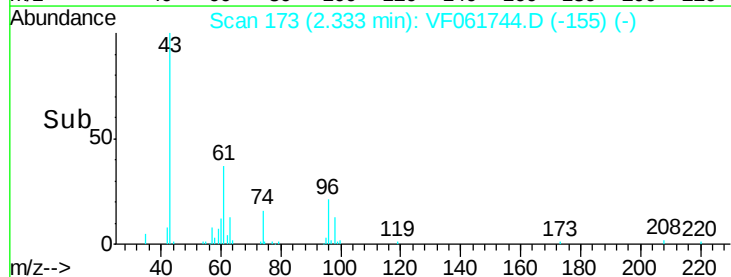
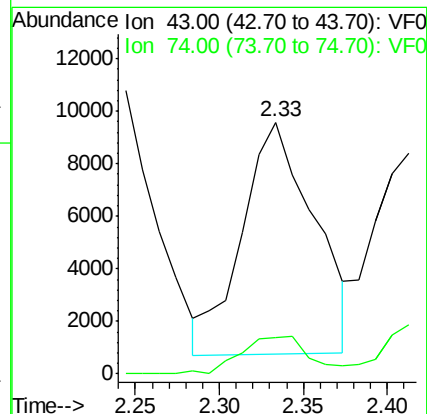
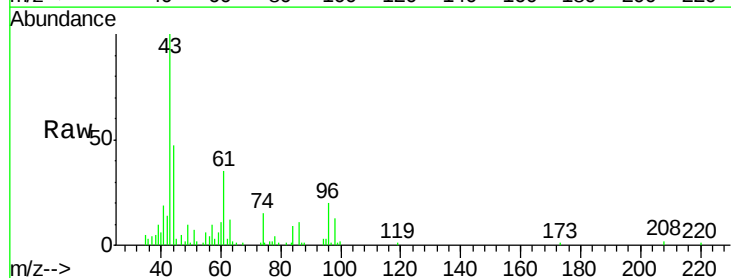
Acq: 26 Feb 2019 16:06

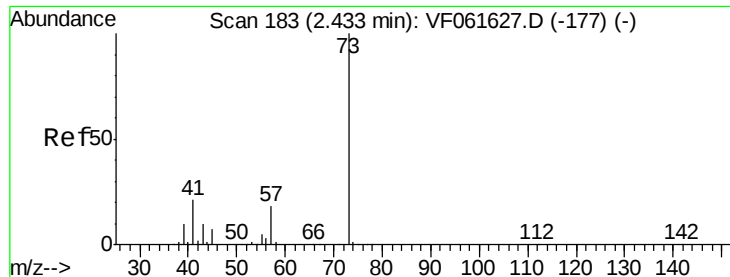
Tgt Ion: 43 Resp: 26284

Ion Ratio Lower Upper

43 100

74 14.6 14.6 21.8



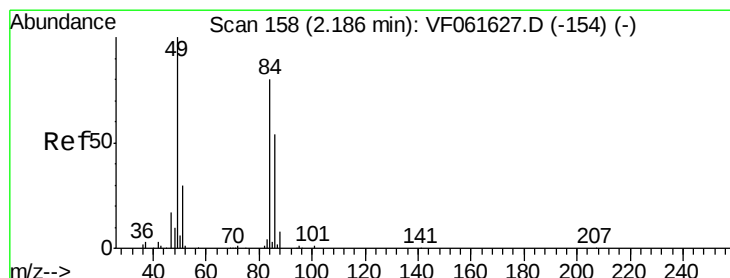
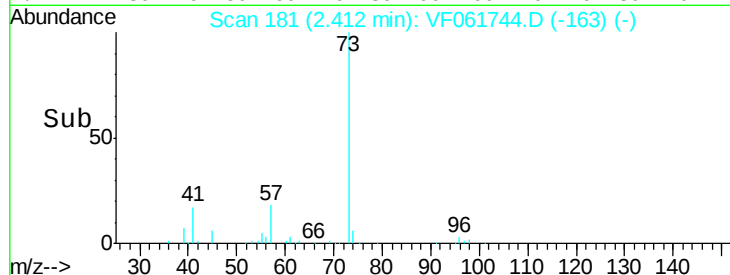
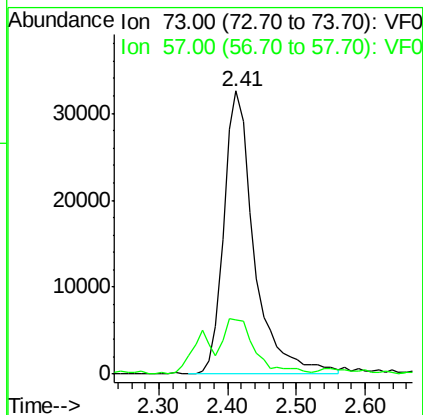
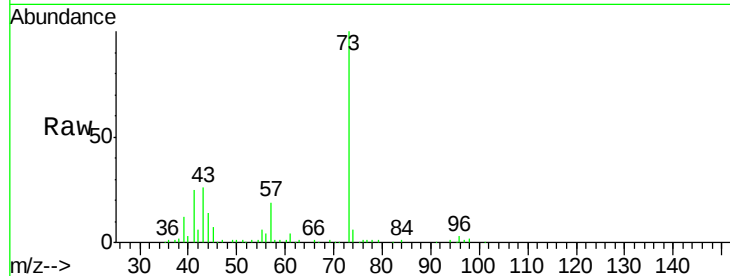


#19

Methyl tert-butyl Ether
 Concen: 22.848 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBSD01

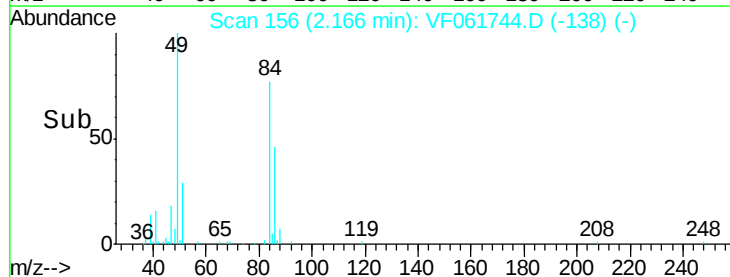
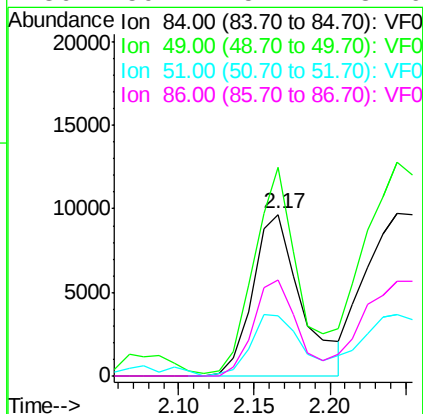
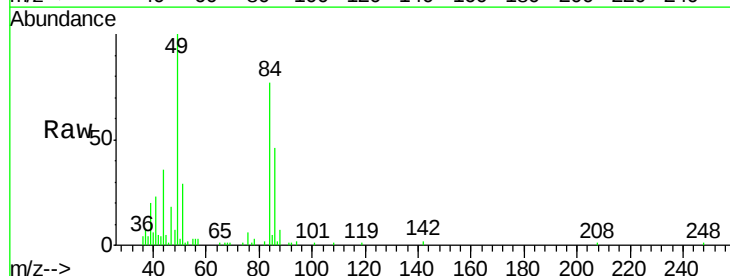
Tot Ion: 73 Resp: 99746
 Ion Ratio Lower Upper
 73 100
 57 19.0 15.8 23.8

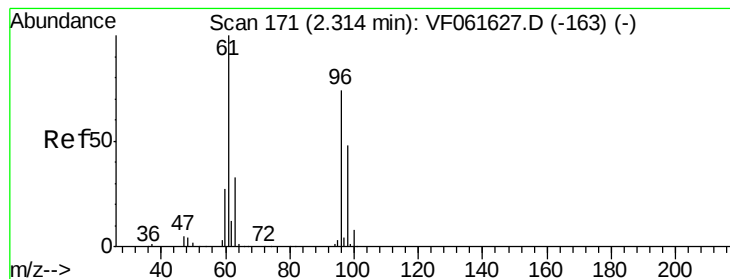


#20

Methylene Chloride
 Concen: 6.448 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.02 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Tgt Ion: 84 Resp: 21724
 Ion Ratio Lower Upper
 84 100
 49 129.2 101.8 152.8
 51 36.9 31.1 46.7
 86 59.1 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 17.746 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

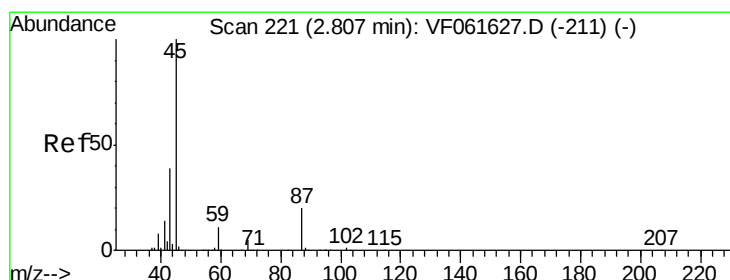
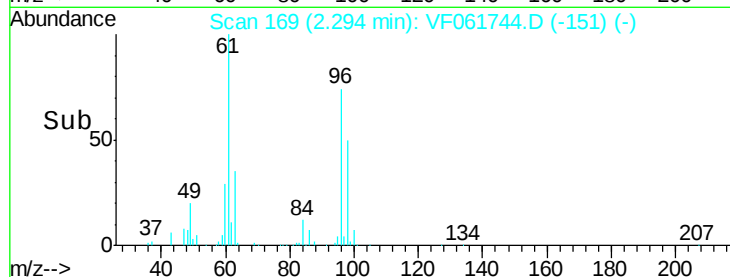
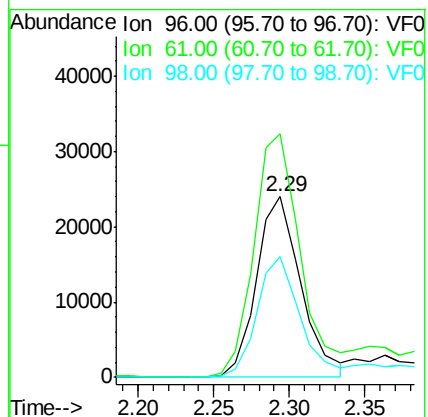
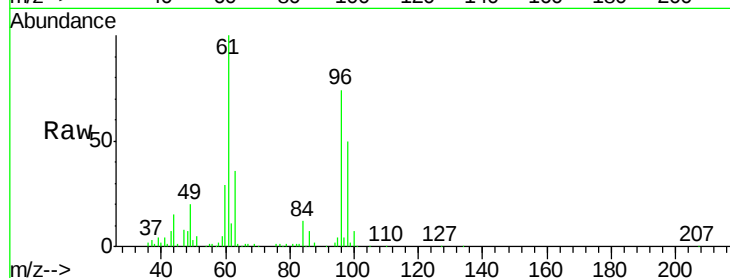
Tot Ion: 96 Resp: 49277

Ion Ratio Lower Upper

96 100

61 134.6 108.2 162.4

98 67.0 52.2 78.2



#22

Diisopropyl ether

Concen: 22.420 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Tgt Ion: 45 Resp: 168697

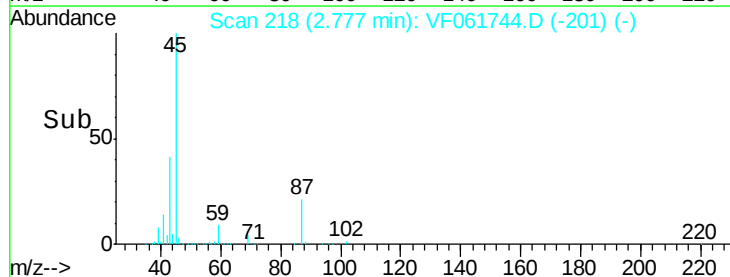
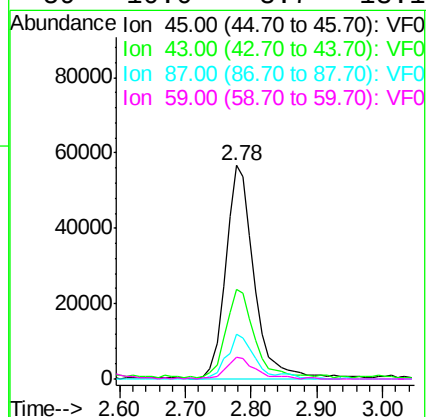
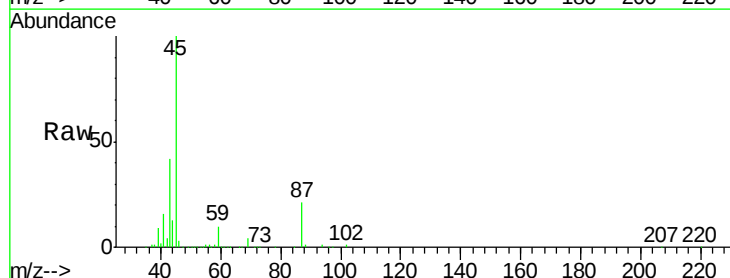
Ion Ratio Lower Upper

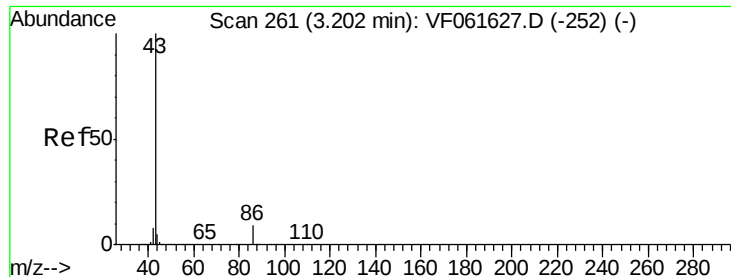
45 100

43 42.1 31.4 47.2

87 21.1 16.3 24.5

59 10.0 8.7 13.1





#23

Vinyl Acetate

Concen: 101.211 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

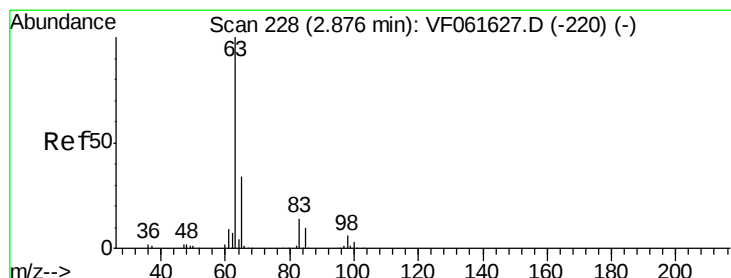
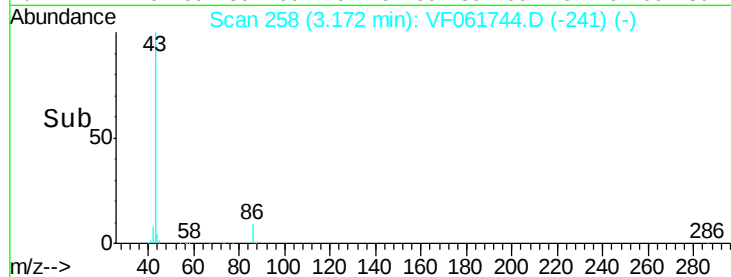
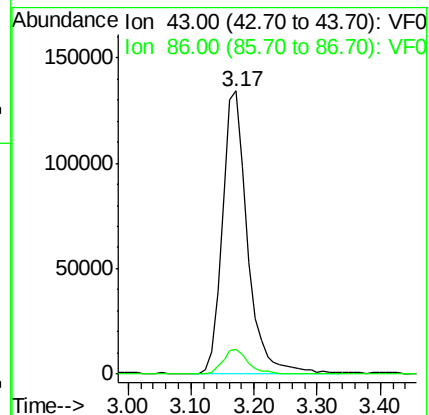
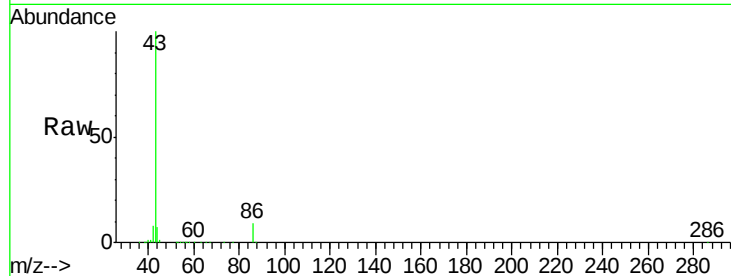
VF0226SBSD01

Tot Ion: 43 Resp: 371957

Ion Ratio Lower Upper

43 100

86 9.0 7.5 11.3



#24

1,1-Dichloroethane

Concen: 22.189 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

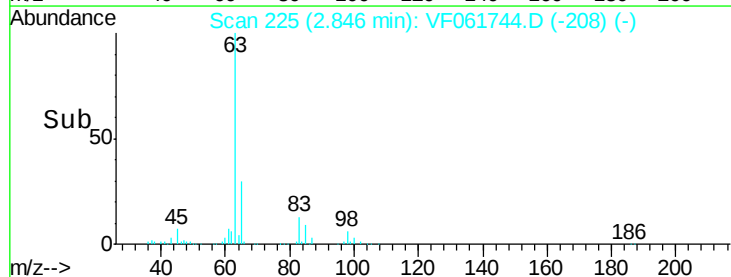
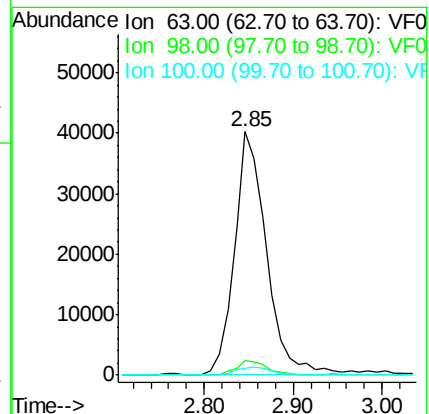
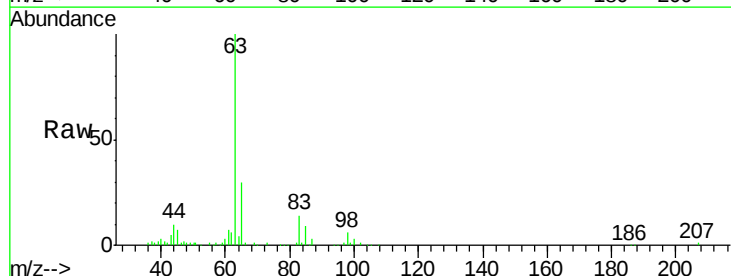
Tgt Ion: 63 Resp: 101034

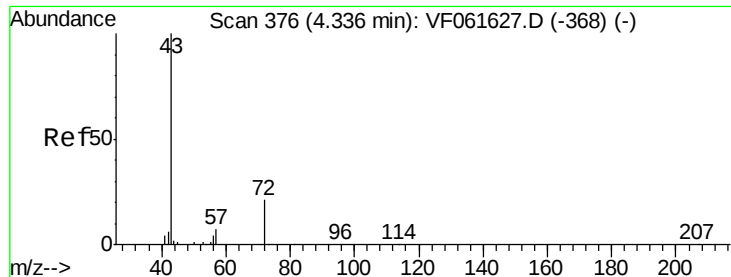
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.3

100 2.8 1.8 5.4





#25

2-Butanone

Concen: 96.139 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

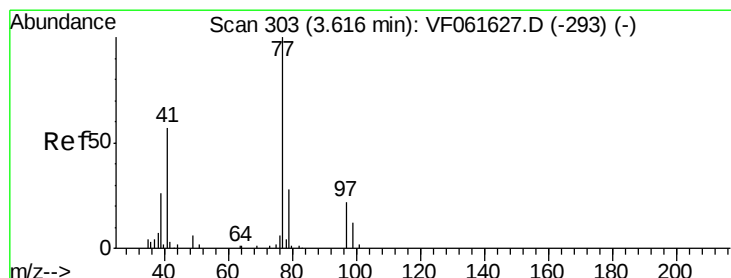
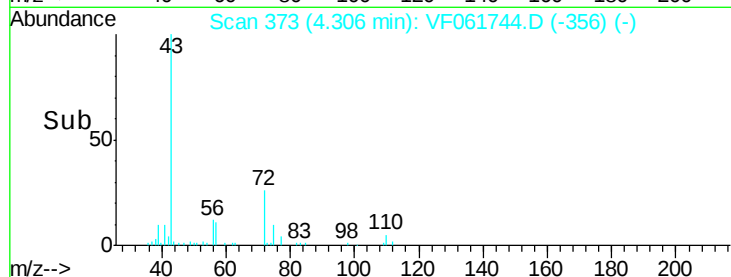
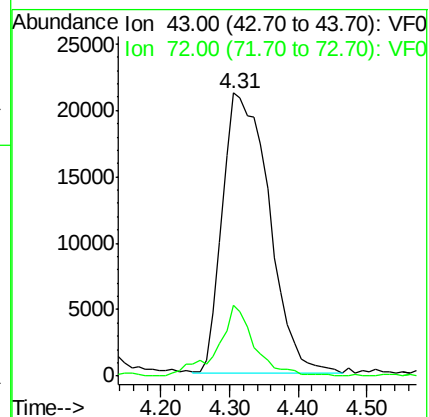
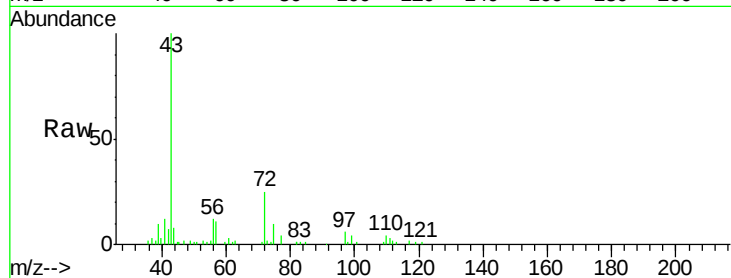
VF0226SBSD01

Tot Ion: 43 Resp: 98494

Ion Ratio Lower Upper

43 100

72 25.0 17.1 25.7



#26

2,2-Dichloropropane

Concen: 22.845 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.05 min

Lab File: VF061744.D

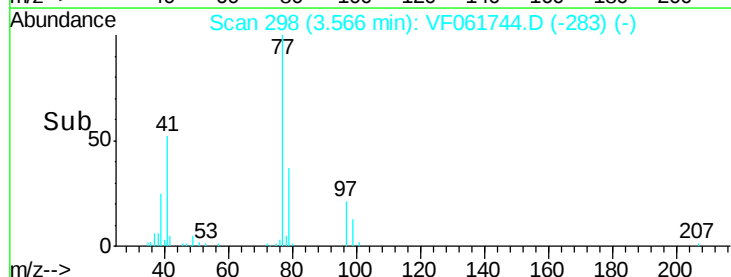
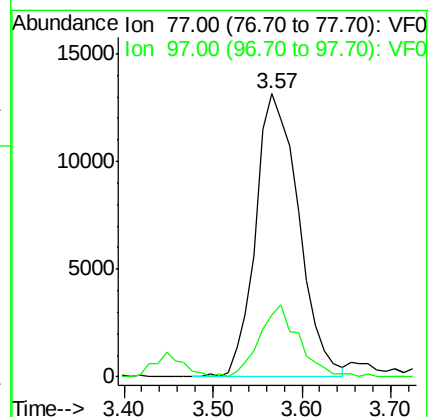
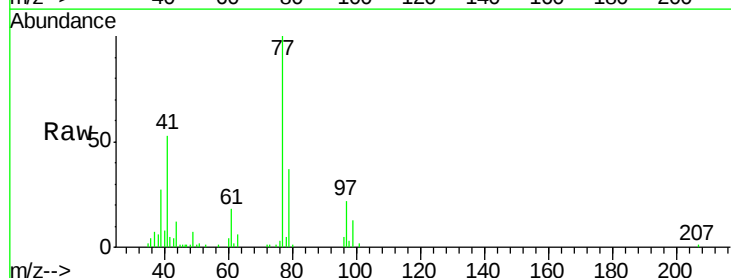
Acq: 26 Feb 2019 16:06

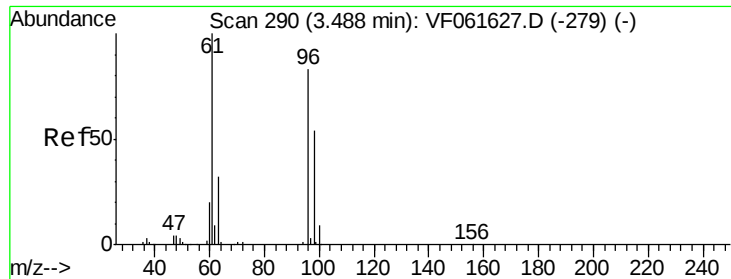
Tgt Ion: 77 Resp: 44062

Ion Ratio Lower Upper

77 100

97 22.0 11.7 35.0



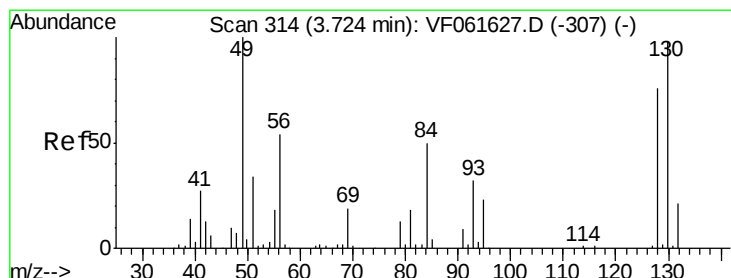
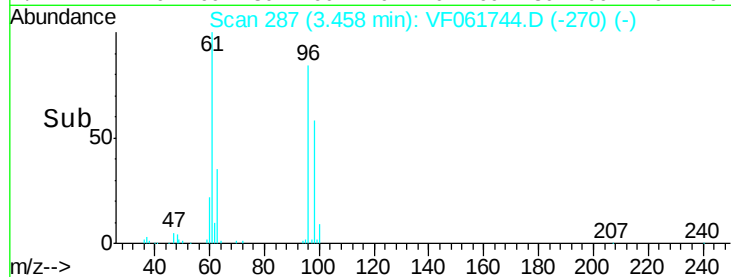
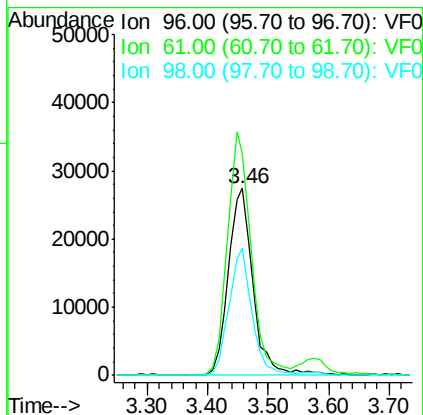
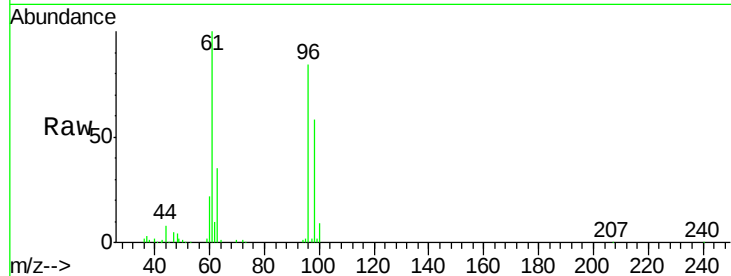


#27

cis-1,2-Dichloroethene
 Concen: 21.281 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.03 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

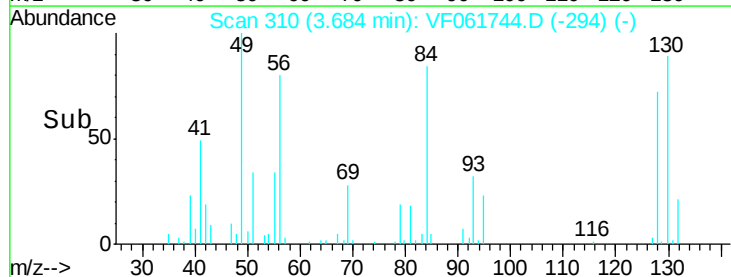
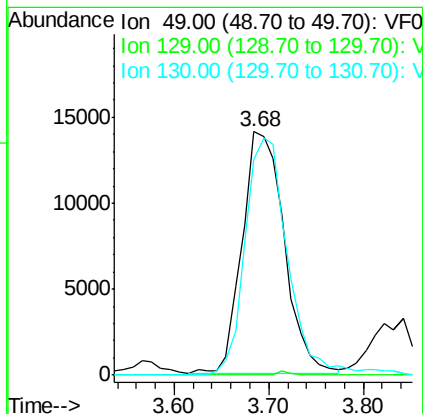
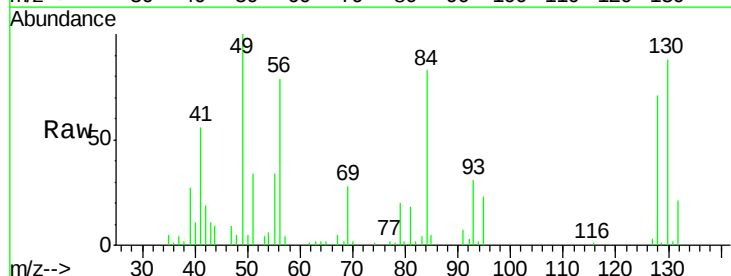
Tot Ion: 96 Resp: 77566
 Ion Ratio Lower Upper
 96 100
 61 118.6 0.0 241.6
 98 68.2 0.0 130.2

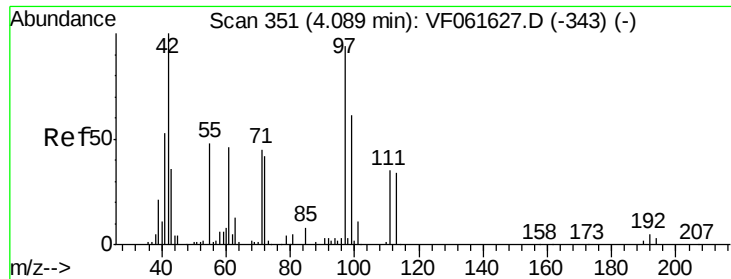


#28

Bromochloromethane
 Concen: 19.830 ug/l
 RT: 3.68 min Scan# 310
 Delta R.T. -0.04 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Tgt Ion: 49 Resp: 43324
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.4
 130 88.5 77.7 116.5

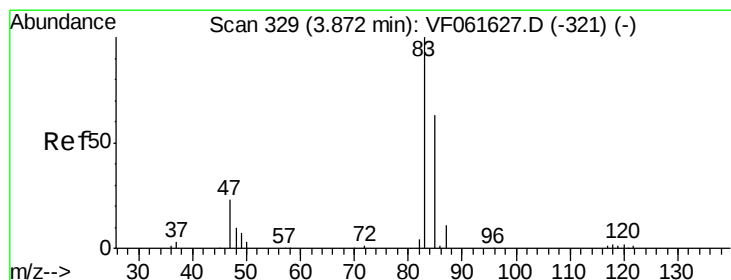
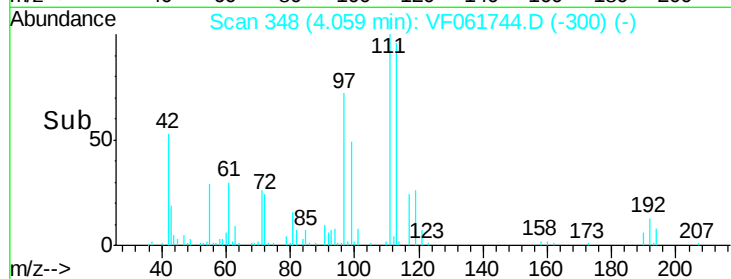
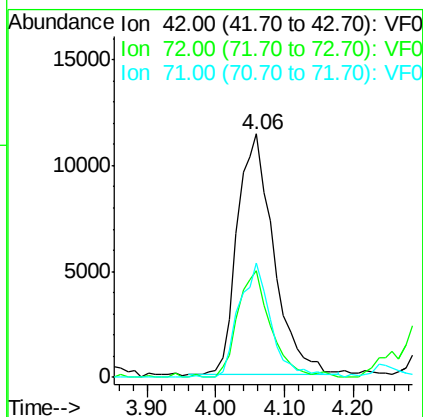
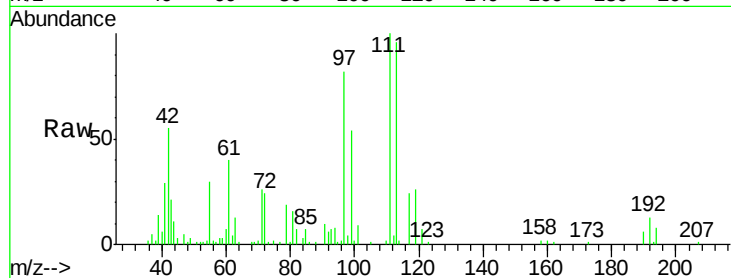




#29
Tetrahydrofuran
Concen: 89.352 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

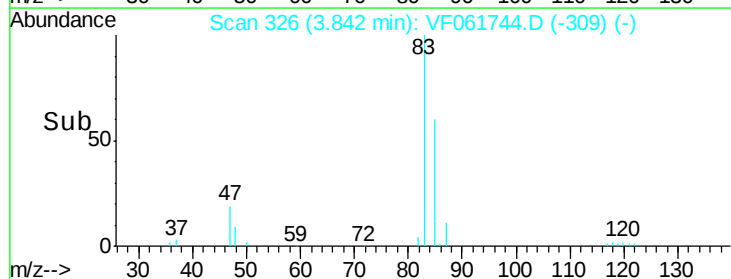
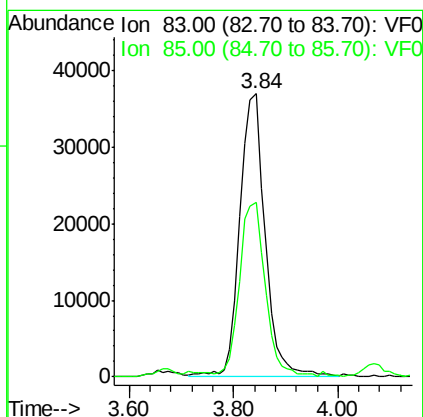
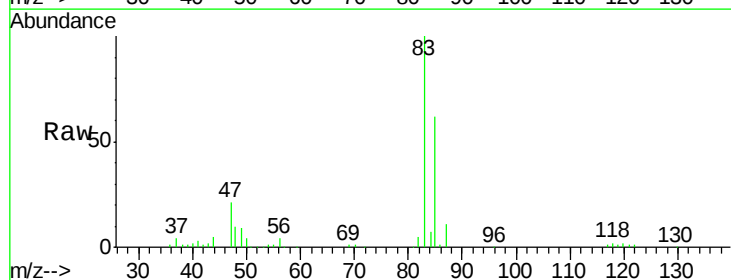
Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

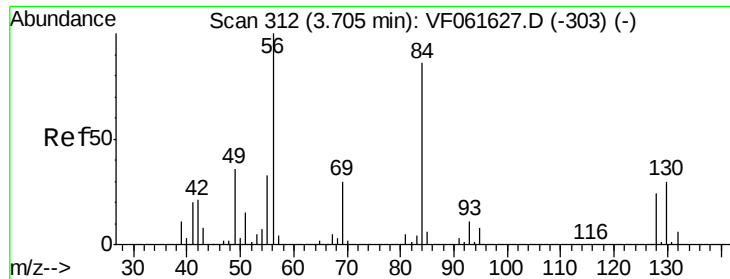
Tot Ion: 42 Resp: 41606
Ion Ratio Lower Upper
42 100
72 39.9 35.2 52.8
71 42.1 32.9 49.3



#30
Chloroform
Concen: 23.439 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion: 83 Resp: 121372
Ion Ratio Lower Upper
83 100
85 61.5 51.1 76.7

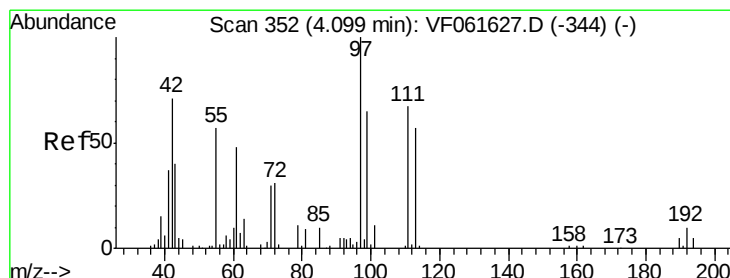
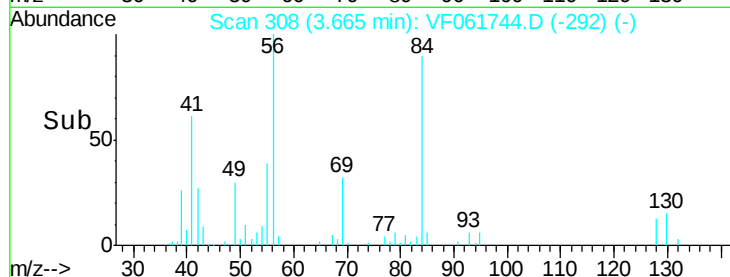
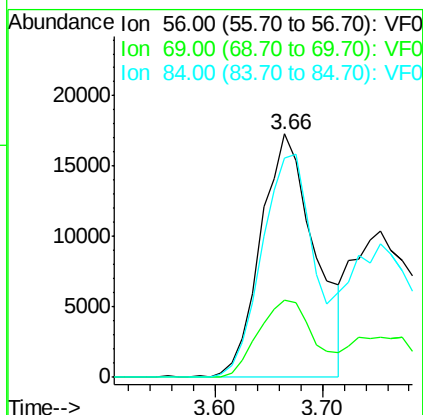
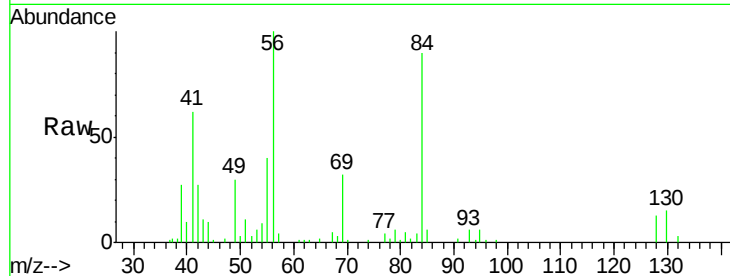




#31
Cyclohexane
Concen: 12.262 ug/l
RT: 3.66 min Scan# 308
Delta R.T. -0.04 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

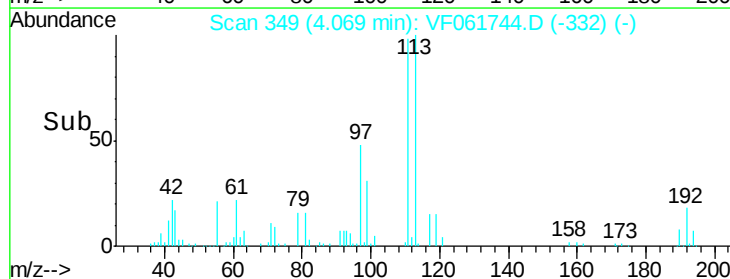
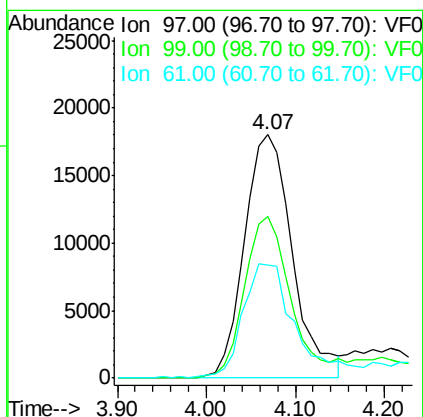
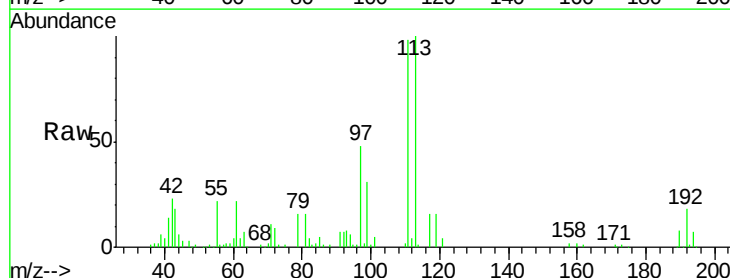
Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

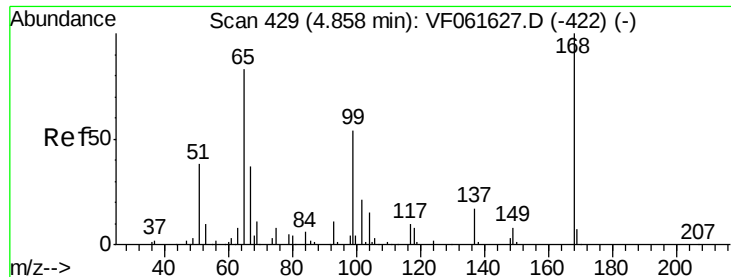
Tot Ion: 56 Resp: 60443
Ion Ratio Lower Upper
56 100
69 31.7 23.8 35.8
84 90.0 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 19.850 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion: 97 Resp: 67335
Ion Ratio Lower Upper
97 100
99 66.3 52.2 78.2
61 46.4 39.2 58.8

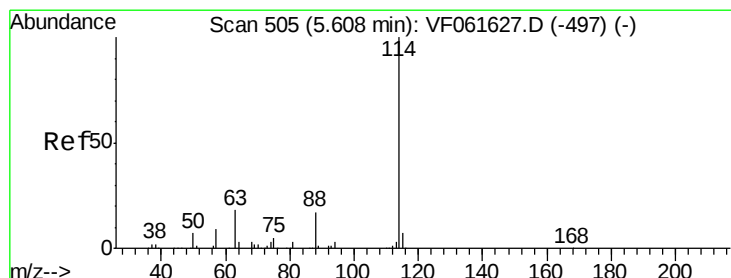
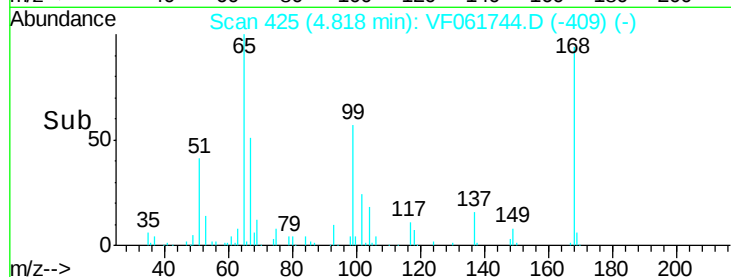
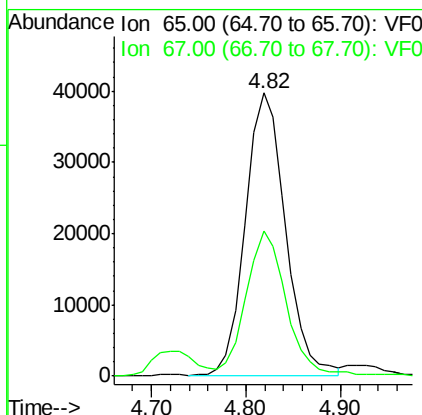
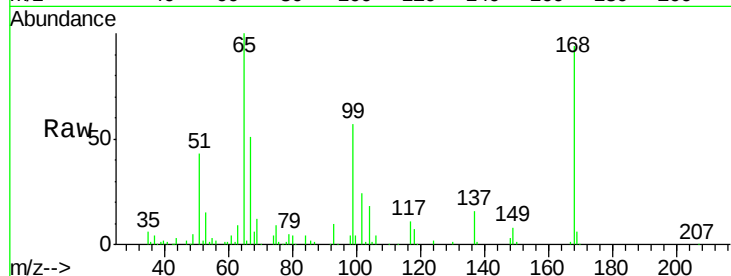




#33
 1,2-Dichloroethane-d4
 Concen: 53.315 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.04 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

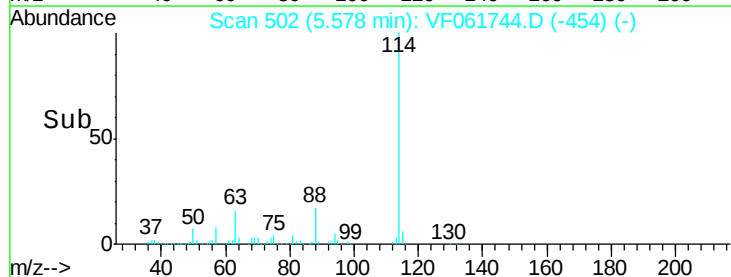
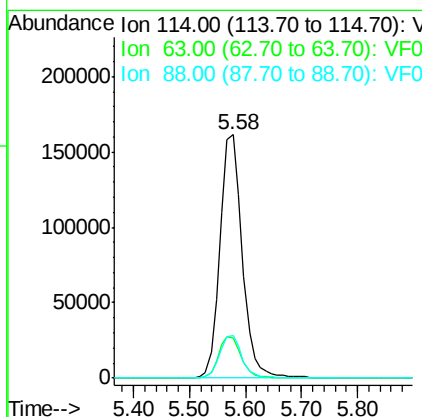
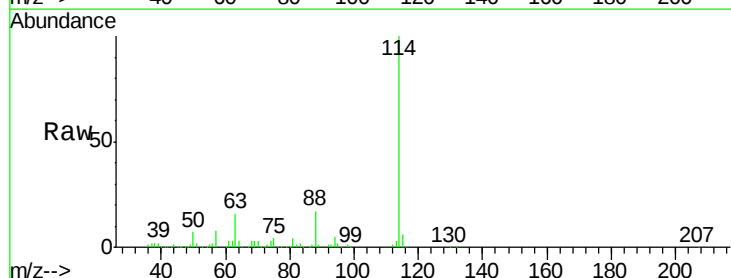
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

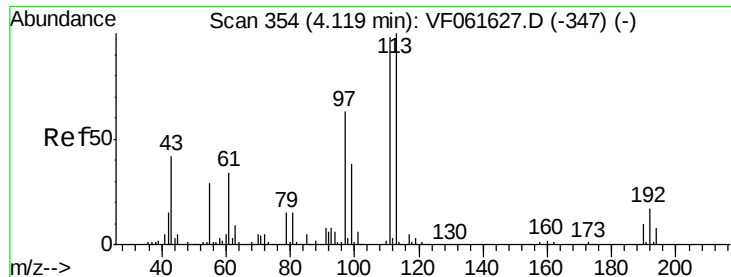
Tot Ion: 65 Resp: 116548
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Tgt Ion: 114 Resp: 450555
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 36.6
 88 17.4 0.0 34.4





#35

Dibromofluoromethane

Concen: 50.805 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBSD01

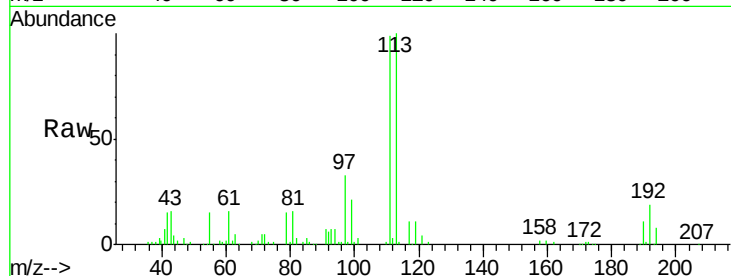
Tot Ion:113 Resp: 169985

Ion Ratio Lower Upper

113 100

111 99.4 78.8 118.2

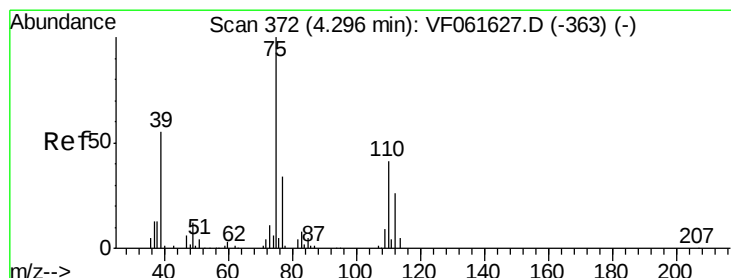
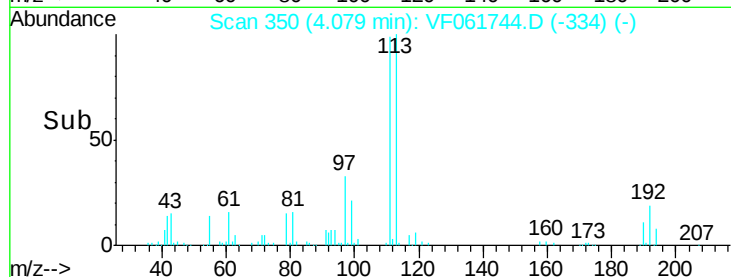
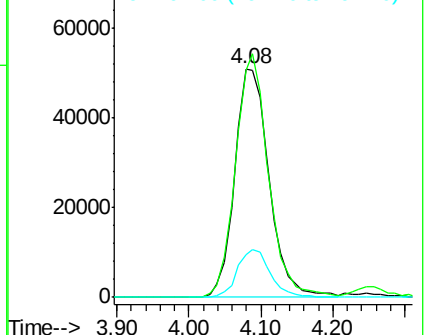
192 18.5 13.4 20.0



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.390 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

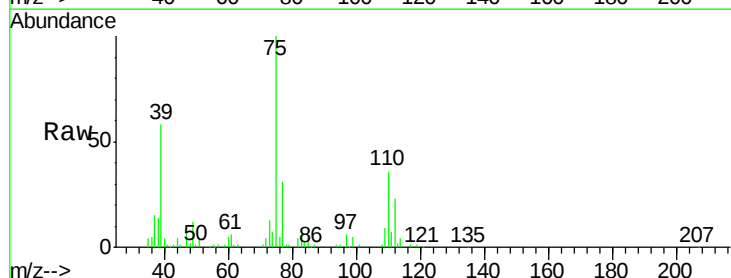
Tgt Ion: 75 Resp: 91005

Ion Ratio Lower Upper

75 100

110 36.0 20.5 61.6

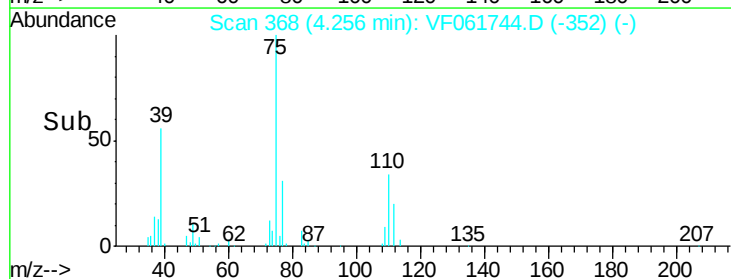
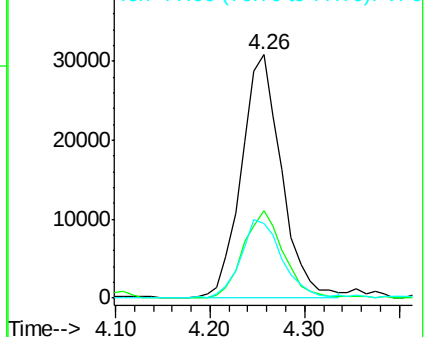
77 30.7 27.0 40.4

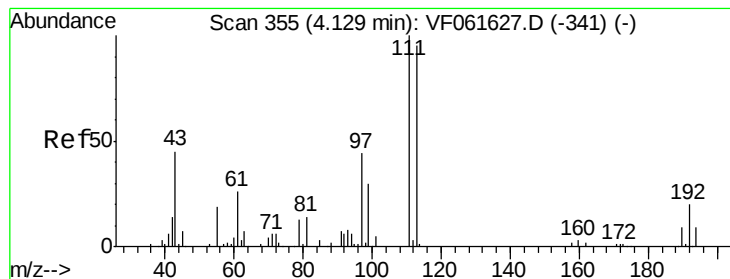


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 16.920 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

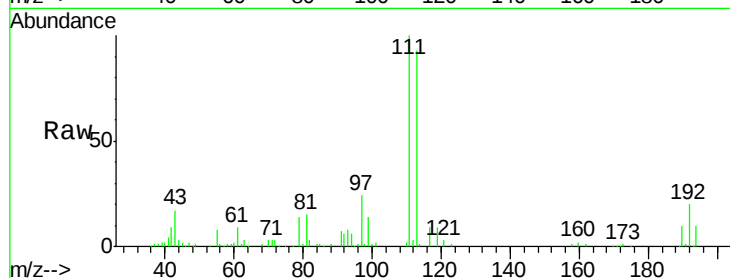
Tot Ion: 43 Resp: 35077

Ion Ratio Lower Upper

43 100

61 50.8 45.7 68.5

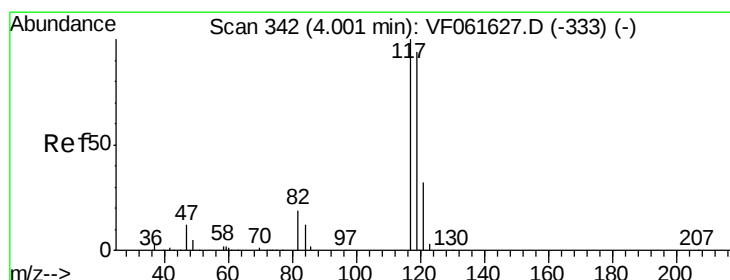
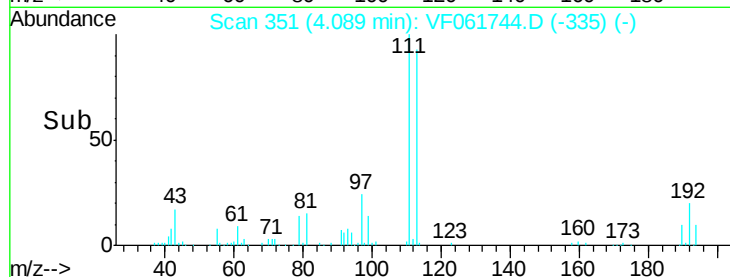
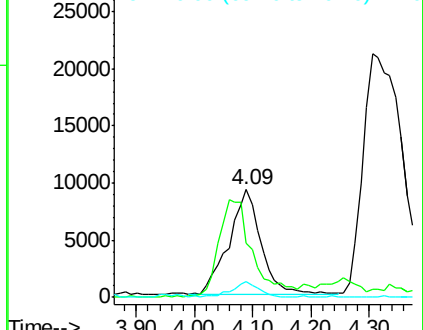
70 14.5 8.5 12.7#



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: 22.102 ug/l

RT: 3.96 min Scan# 338

Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

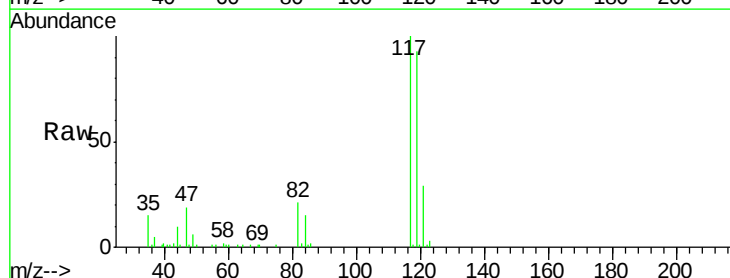
Tgt Ion: 117 Resp: 68118

Ion Ratio Lower Upper

117 100

119 93.1 75.6 113.4

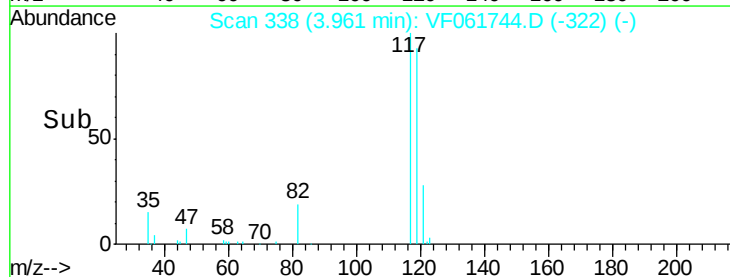
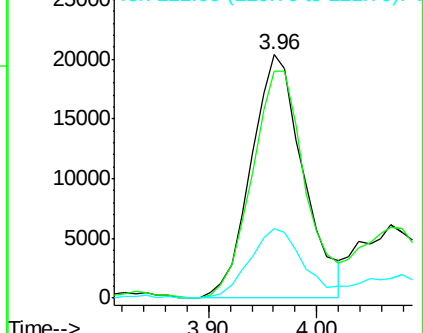
121 28.6 25.2 37.8

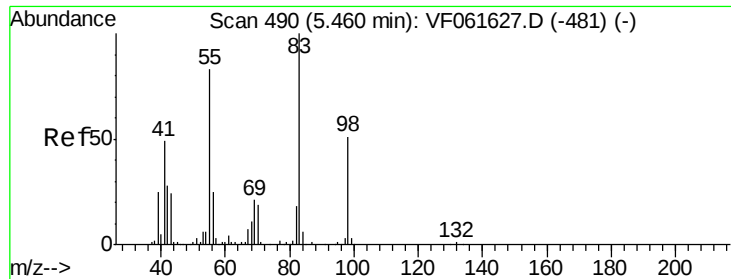


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

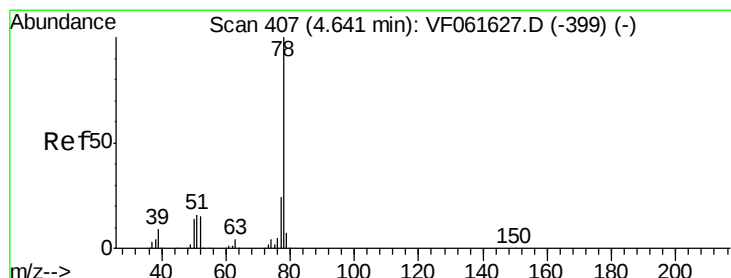
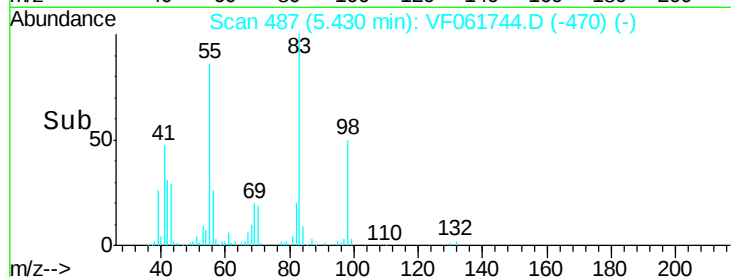
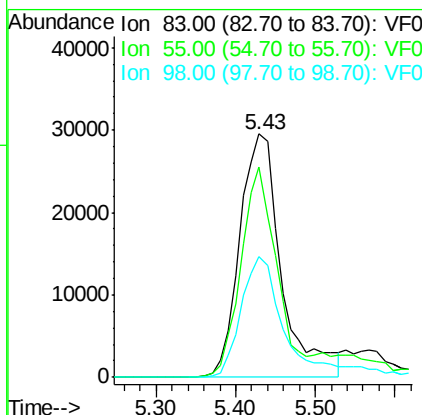
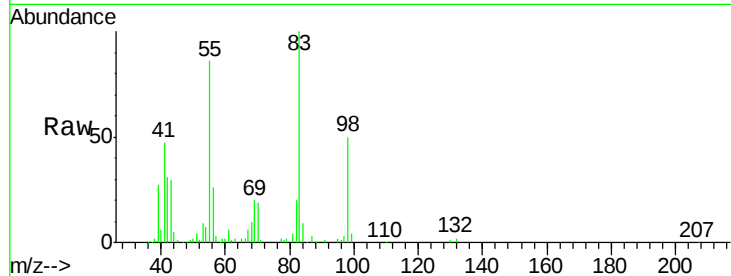




#39
Methvlcvclohexane
Concen: 20.296 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

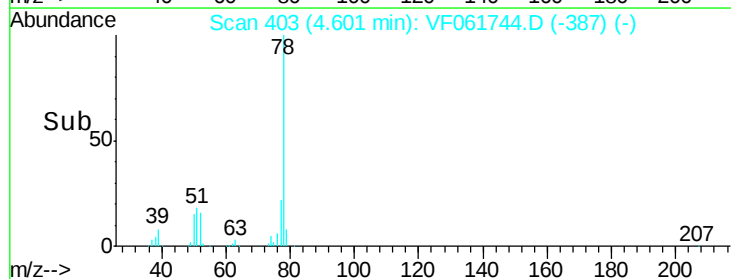
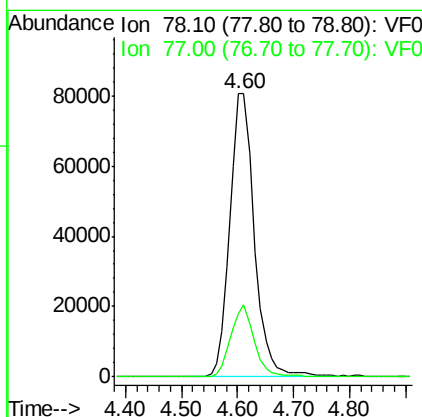
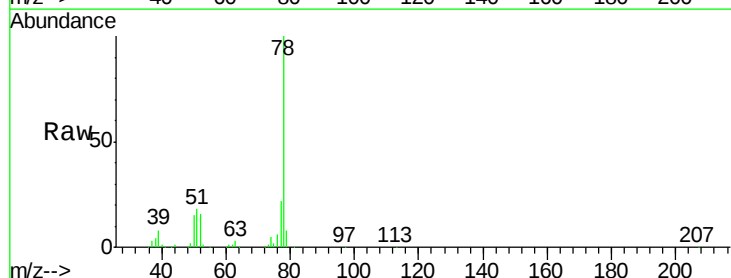
Instrument :
MSVOA_F
ClientSampleId :
VF0226SBSD01

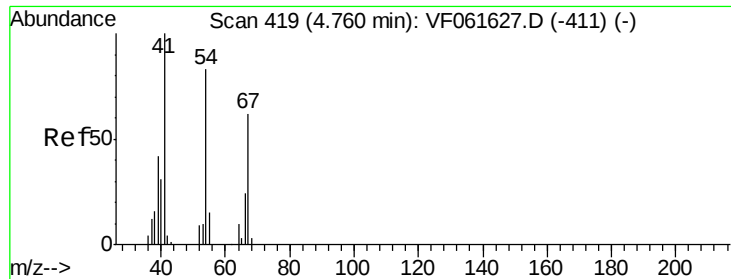
Tot Ion: 83 Resp: 107133
Ion Ratio Lower Upper
83 100
55 86.2 66.6 99.8
98 49.7 40.4 60.6



#40
Benzene
Concen: 21.052 ug/l
RT: 4.60 min Scan# 403
Delta R.T. -0.04 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion: 78 Resp: 245775
Ion Ratio Lower Upper
78 100
77 22.4 19.0 28.6

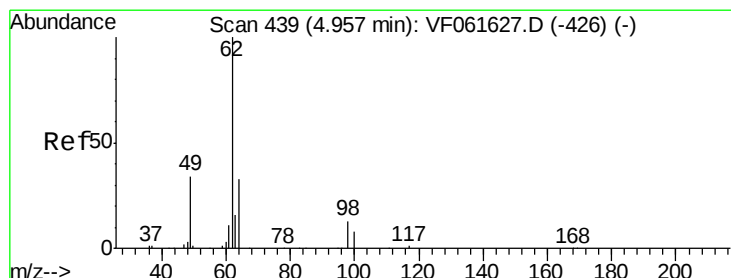
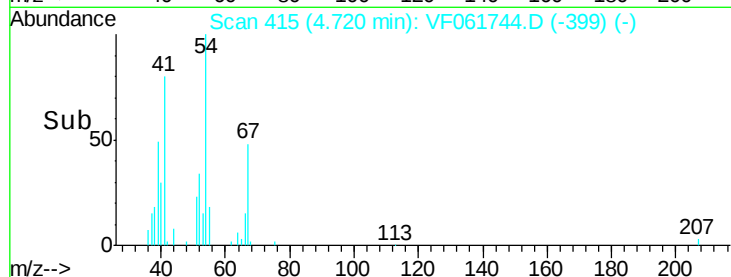
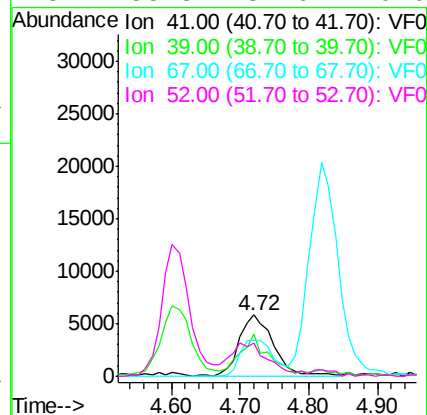
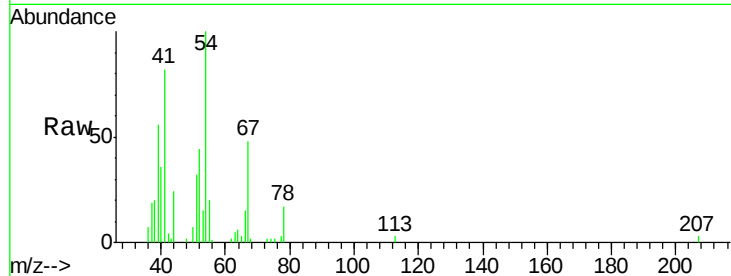




#41
Methacrylonitrile
Concen: 19.341 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.04 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

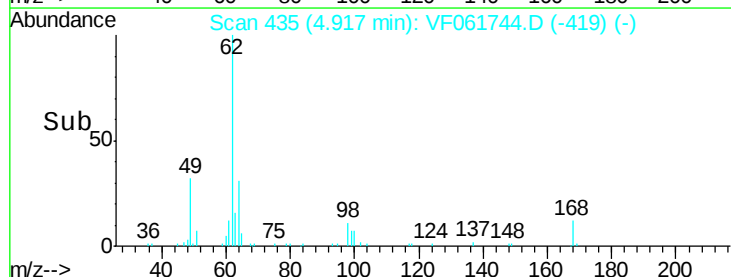
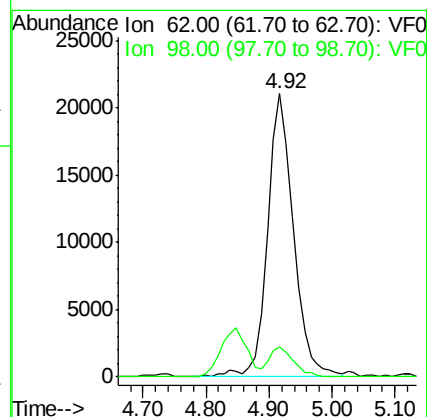
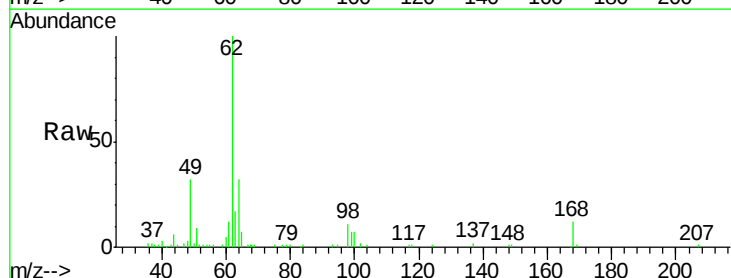
Instrument :
MSVOA_F
ClientSampleId :
VF0226SBSD01

Tot Ion:	41	Resp:	20505
Ion	Ratio	Lower	Upper
41	100		
39	68.6	45.3	67.9#
67	58.7	49.3	73.9
52	53.3	32.6	49.0#



#42
1,2-Dichloroethane
Concen: 21.532 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.04 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion:	62	Resp:	60130
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	26.0



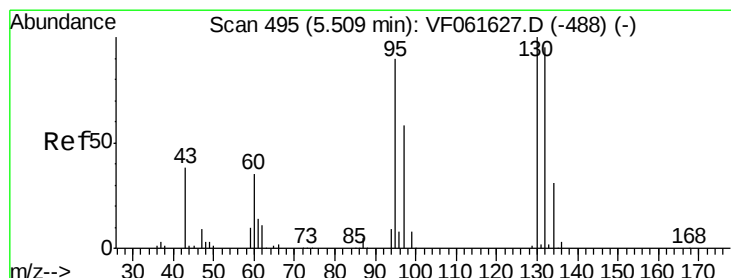
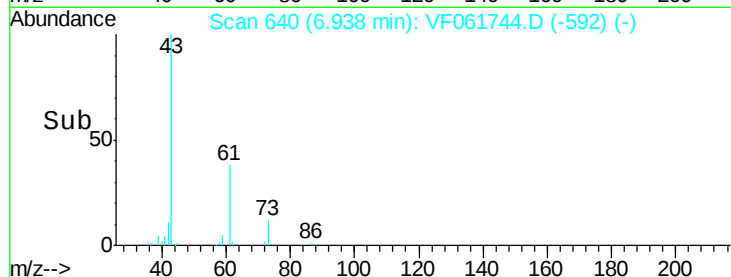
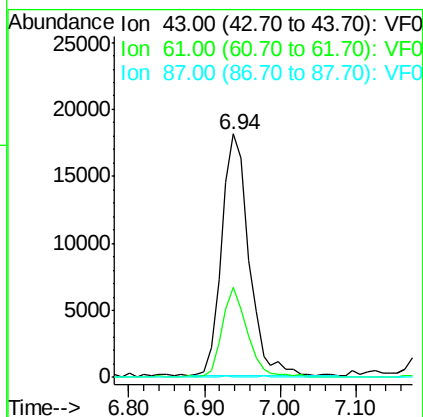
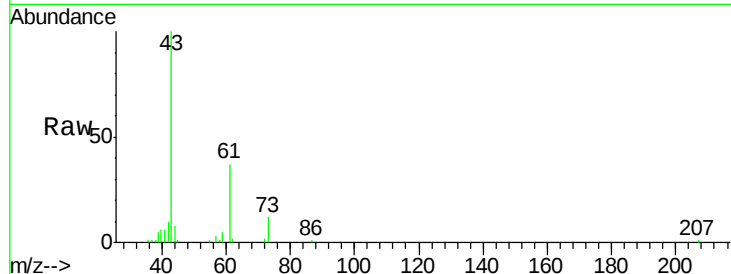


#43

Isopropyl Acetate
 Concen: 18.426 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.03 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

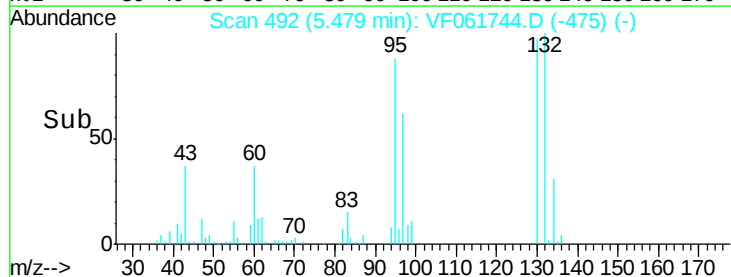
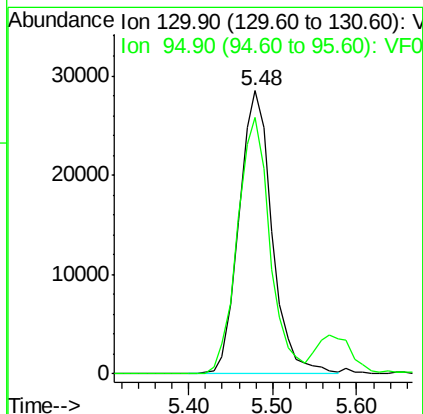
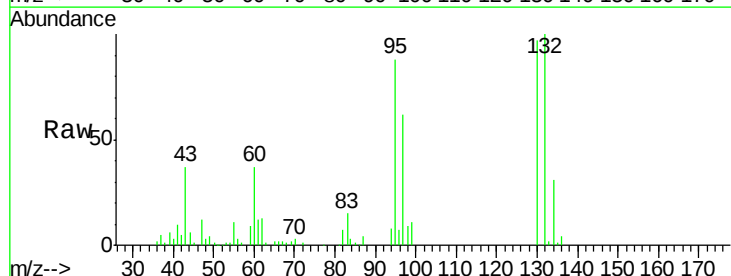
Tot Ion: 43 Resp: 45216
 Ion Ratio Lower Upper
 43 100
 61 37.2 25.8 38.6
 87 0.0 0.4 0.6#

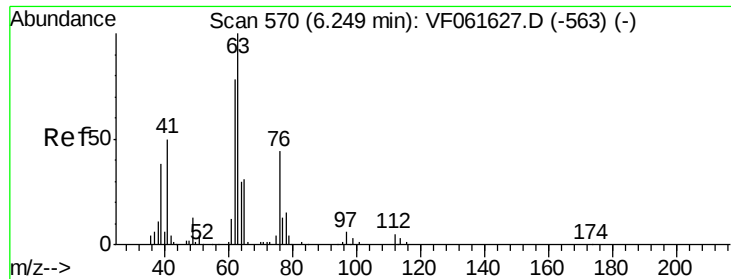


#44

Trichloroethene
 Concen: 20.676 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.03 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Tgt Ion: 130 Resp: 78056
 Ion Ratio Lower Upper
 130 100
 95 90.6 0.0 179.4





#45

1,2-Dichloropropane

Concen: 20.569 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

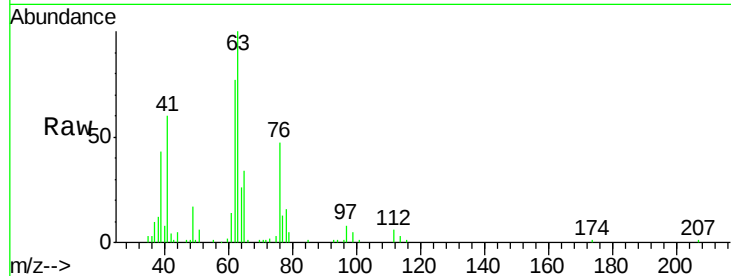
VF0226SBS01

Tot Ion: 63 Resp: 58045

Ion Ratio Lower Upper

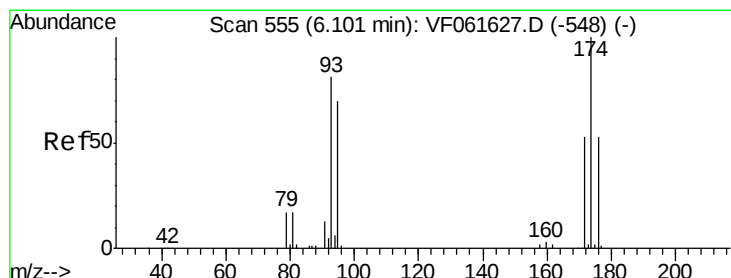
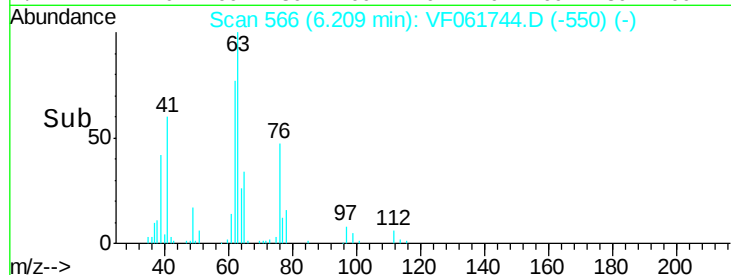
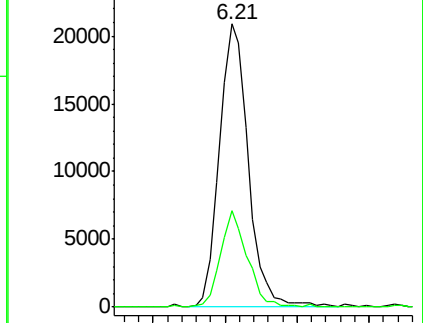
63 100

65 34.0 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 20.678 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

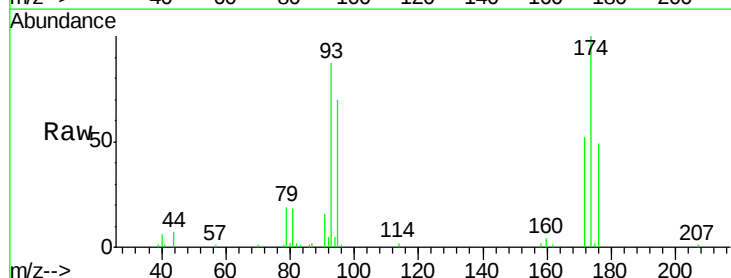
Tgt Ion: 93 Resp: 35928

Ion Ratio Lower Upper

93 100

95 79.6 69.0 103.6

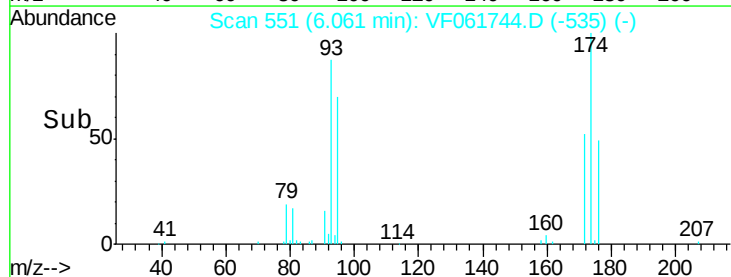
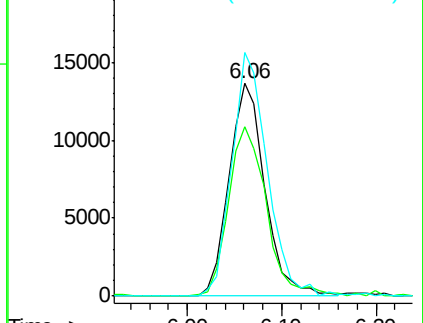
174 114.4 99.3 148.9

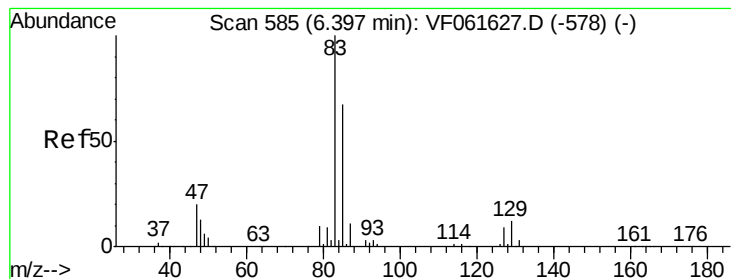


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.905 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

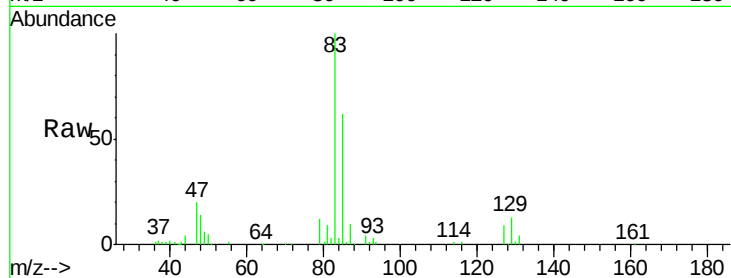
Tot Ion: 83 Resp: 83347

Ion Ratio Lower Upper

83 100

85 62.1 53.4 80.2

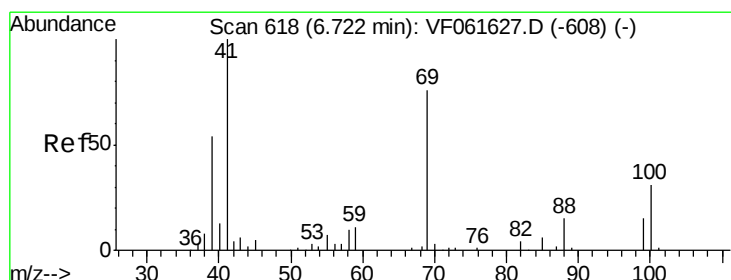
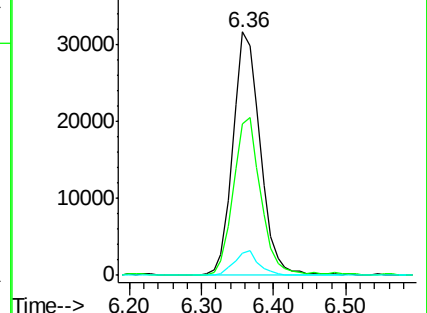
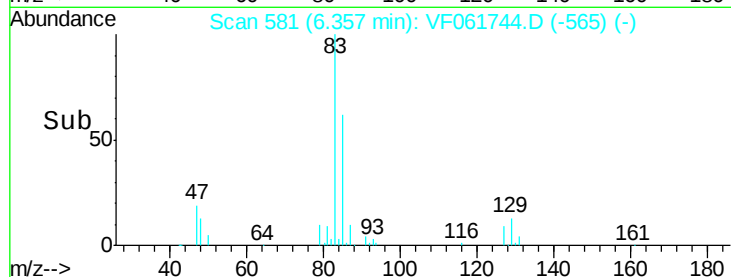
127 9.2 7.5 11.3



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): V



#48

Methyl methacrylate

Concen: 19.514 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

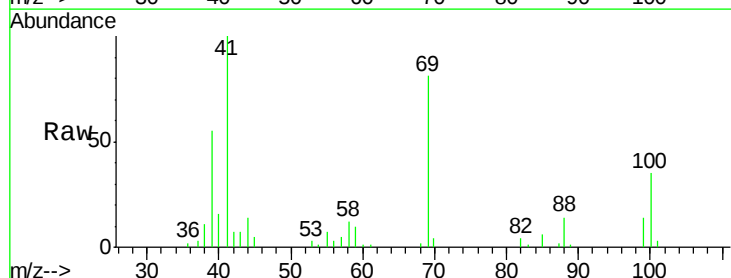
Tgt Ion: 41 Resp: 28817

Ion Ratio Lower Upper

41 100

69 80.5 60.4 90.6

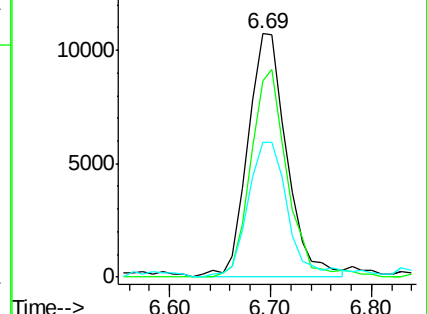
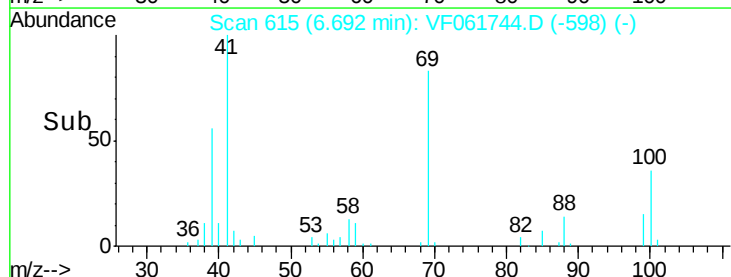
39 55.5 43.7 65.5

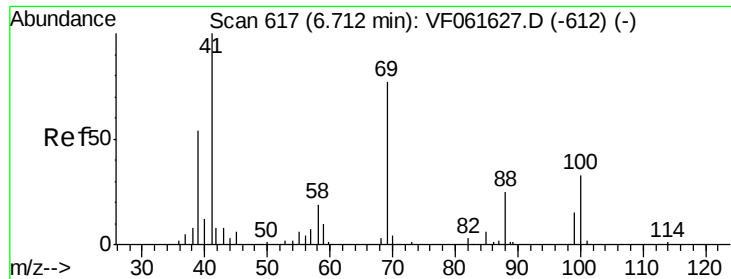


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

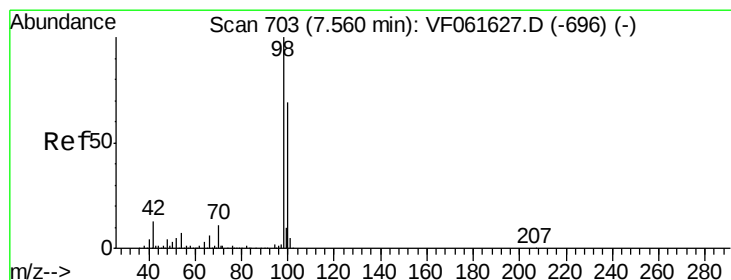
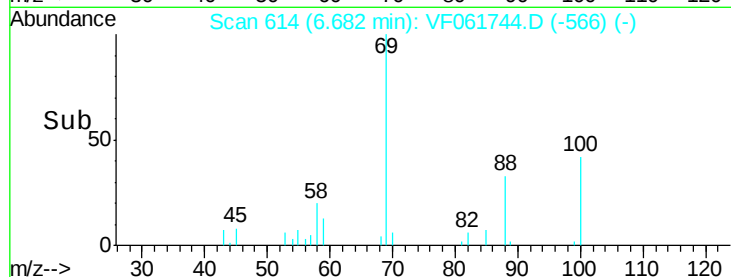
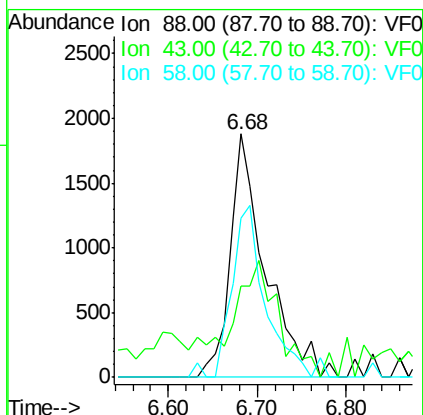
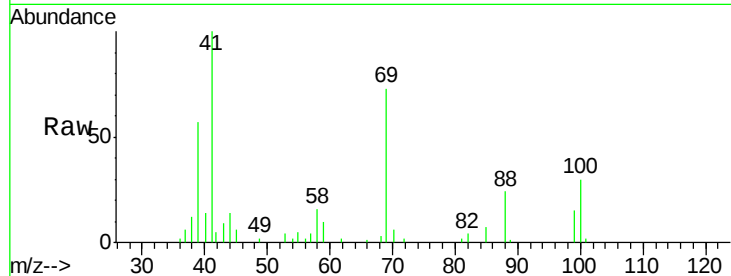




#49
1,4-Dioxane
Concen: 377.108 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

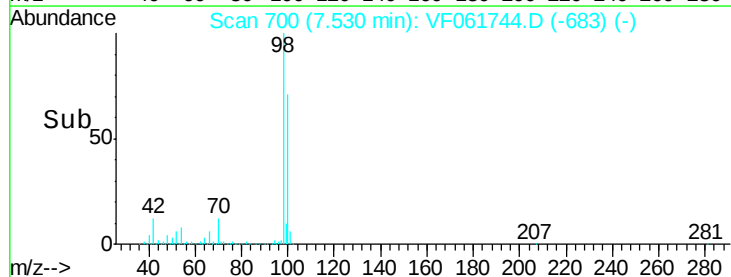
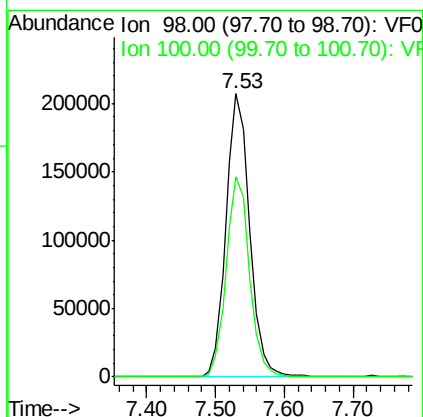
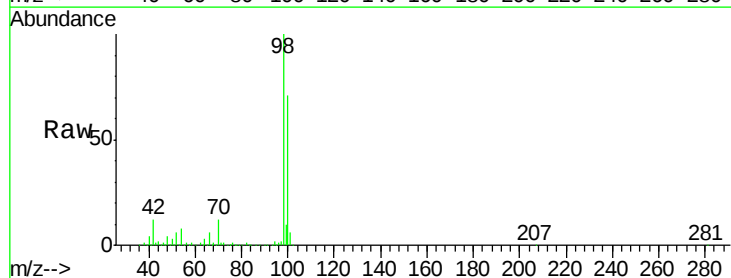
Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

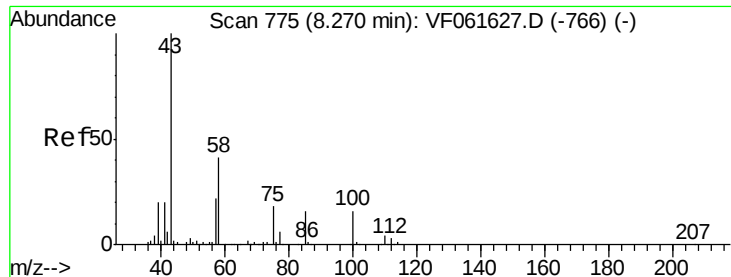
Tot Ion: 88 Resp: 5235
Ion Ratio Lower Upper
88 100
43 37.5 32.3 48.5
58 65.2 59.4 89.2



#50
Toluene-d8
Concen: 51.173 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion: 98 Resp: 492198
Ion Ratio Lower Upper
98 100
100 70.9 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 97.145 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

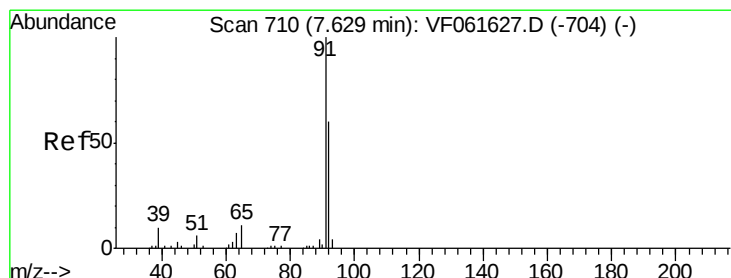
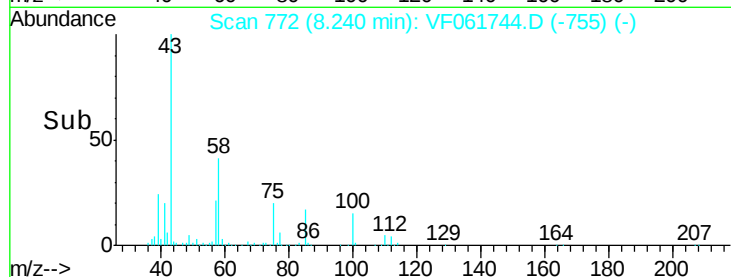
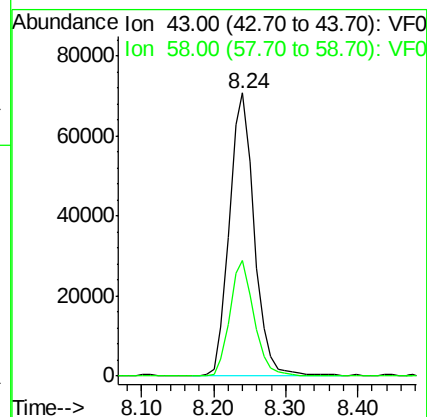
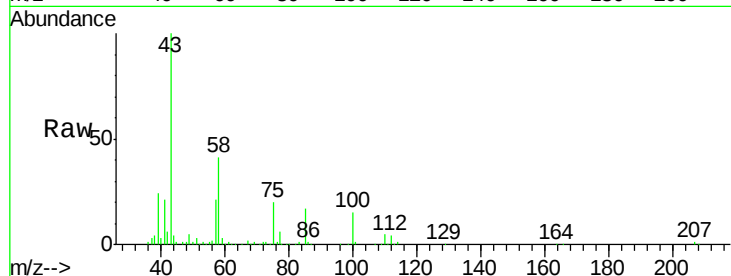
VF0226SBS01

Tot Ion: 43 Resp: 170333

Ion Ratio Lower Upper

43 100

58 40.8 33.1 49.7



#52

Toluene

Concen: 21.043 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061744.D

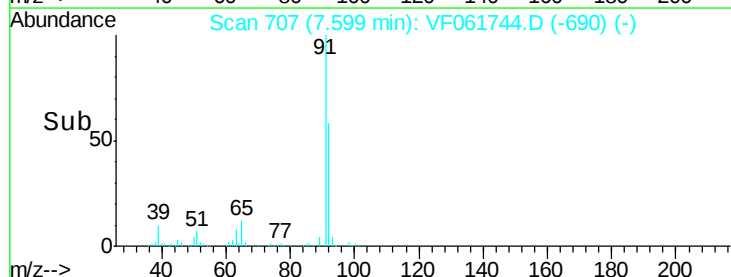
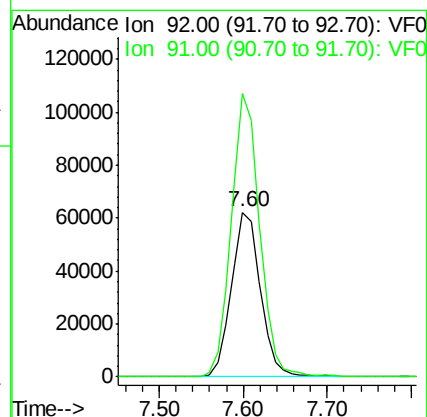
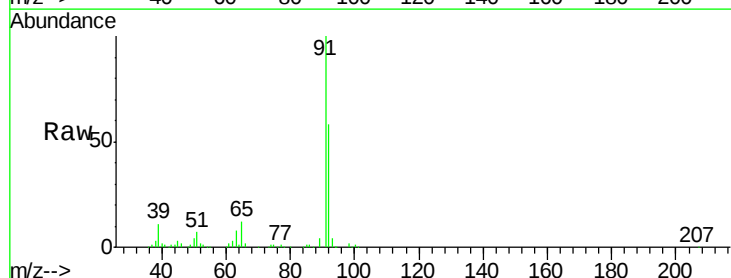
Acq: 26 Feb 2019 16:06

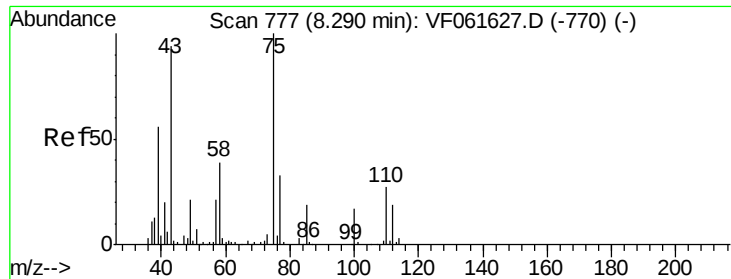
Tgt Ion: 92 Resp: 148991

Ion Ratio Lower Upper

92 100

91 172.2 133.9 200.9





#53

t-1,3-Dichloropropene

Concen: 20.649 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

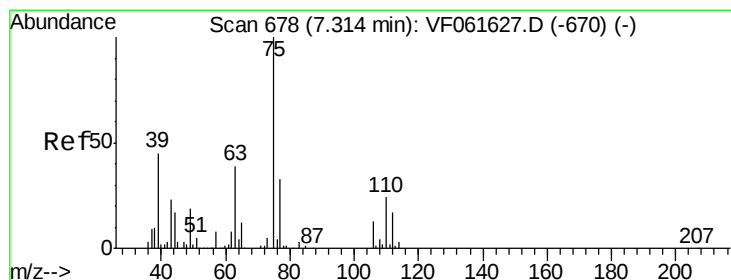
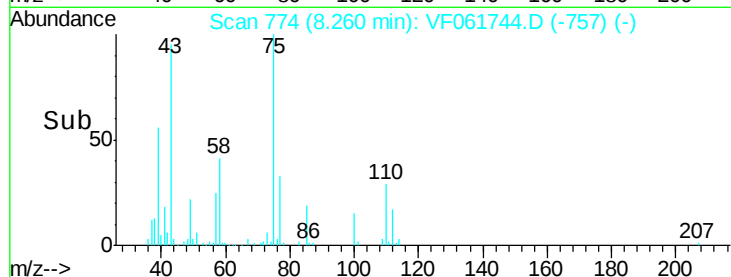
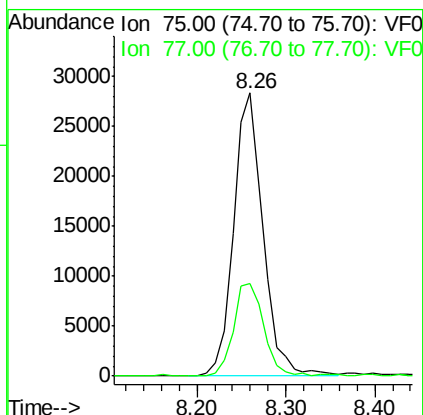
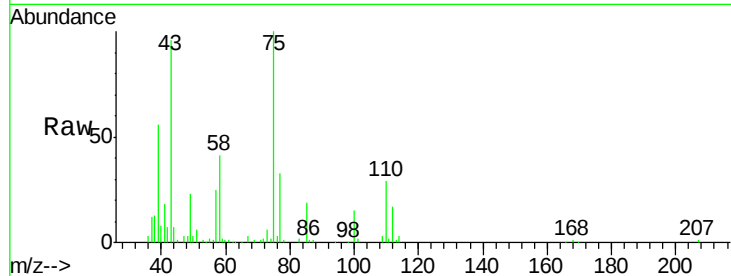
VF0226SBSD01

Tot Ion: 75 Resp: 65389

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 21.159 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

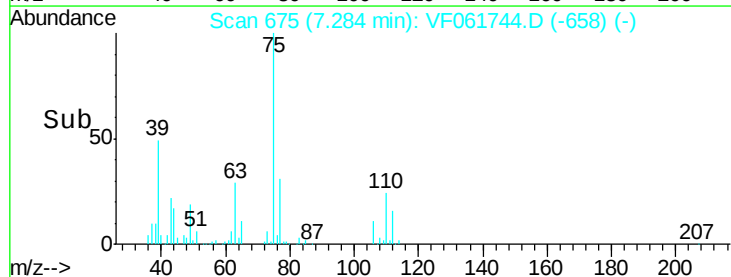
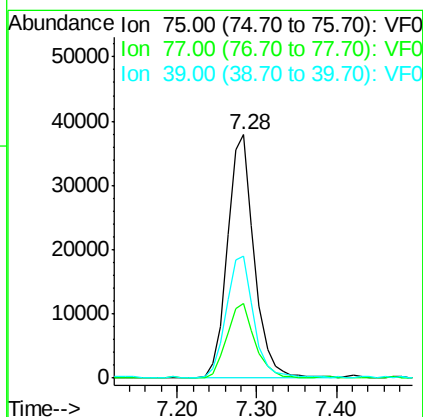
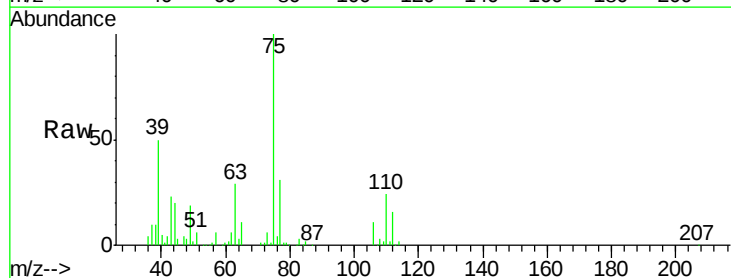
Tgt Ion: 75 Resp: 89250

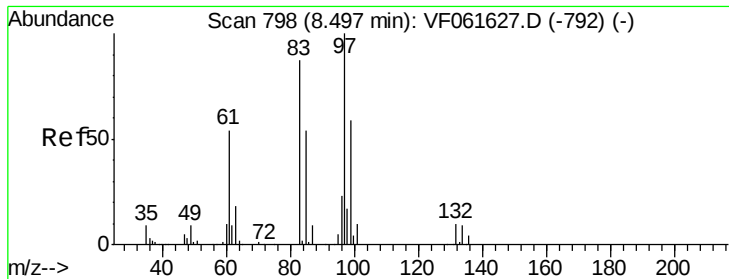
Ion Ratio Lower Upper

75 100

77 30.7 26.4 39.6

39 49.9 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 20.071 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 97 Resp: 41753

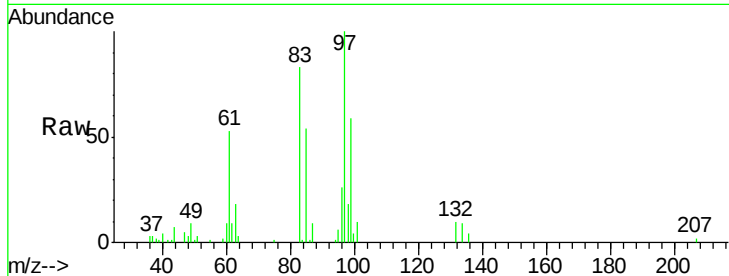
Ion Ratio Lower Upper

97 100

83 83.2 69.2 103.8

85 53.7 43.0 64.4

99 59.1 47.2 70.8

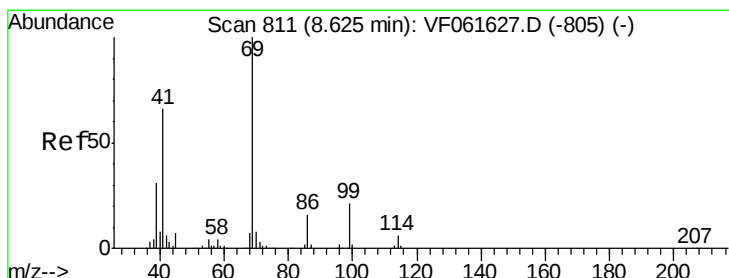
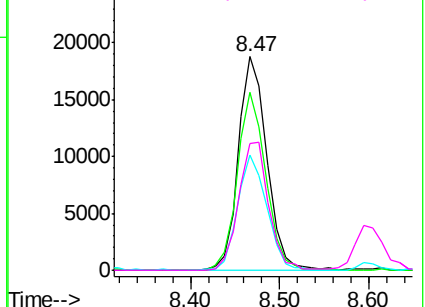
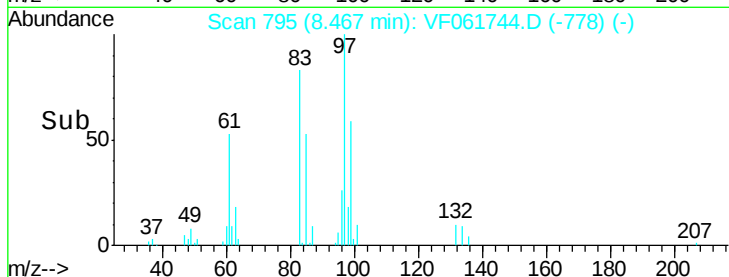


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 19.256 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

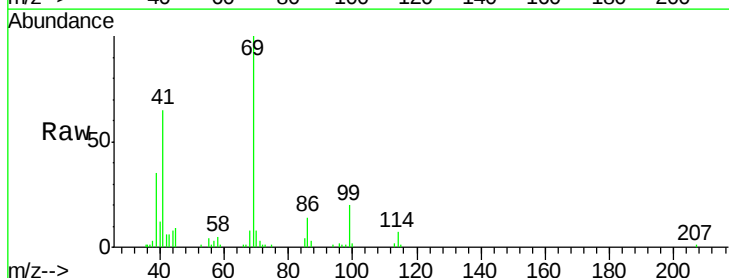
Tgt Ion: 69 Resp: 44598

Ion Ratio Lower Upper

69 100

41 64.9 52.9 79.3

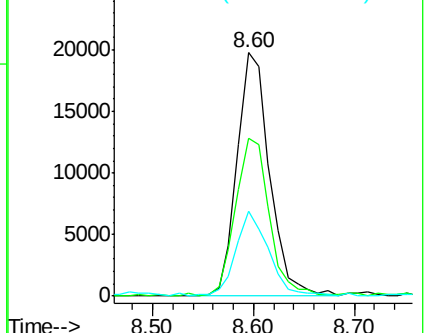
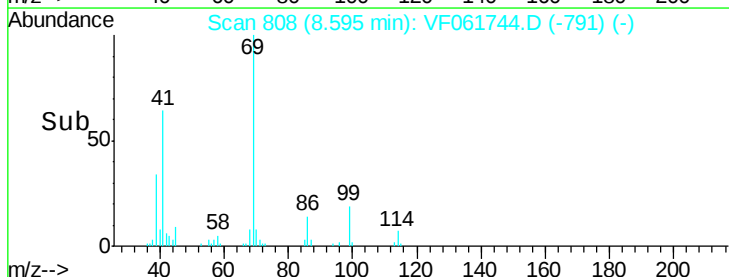
39 34.7 24.5 36.7

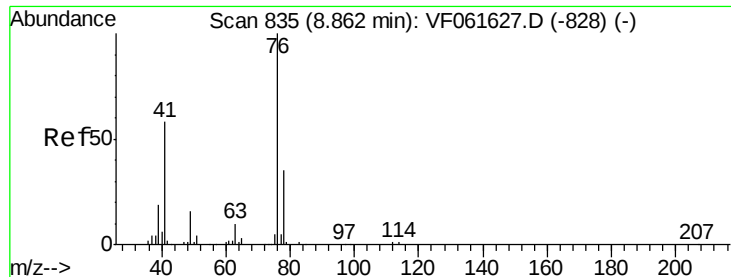


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 18.506 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

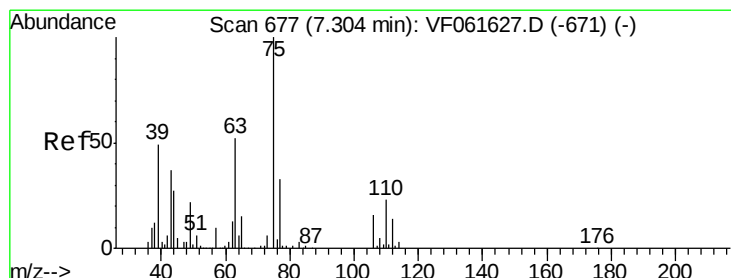
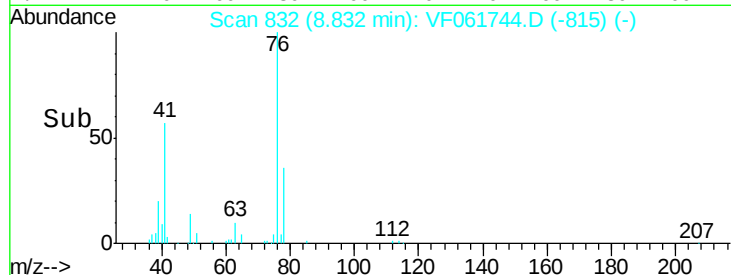
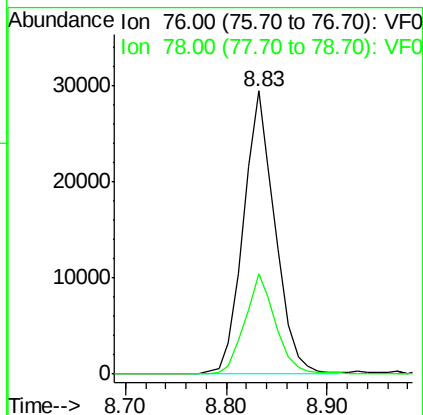
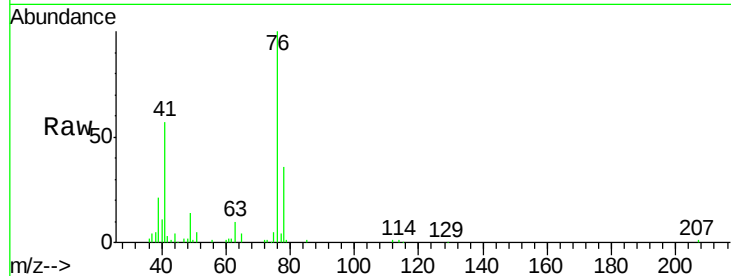
VF0226SBSD01

Tot Ion: 76 Resp: 64257

Ion Ratio Lower Upper

76 100

78 35.6 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 86.121 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061744.D

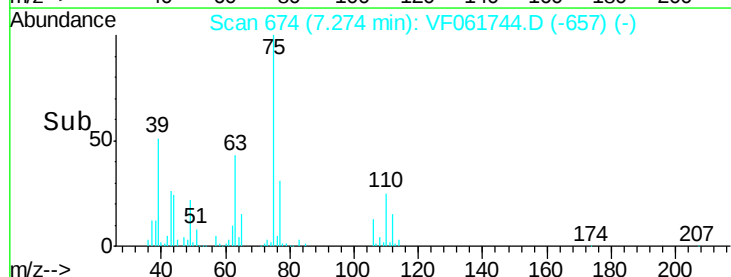
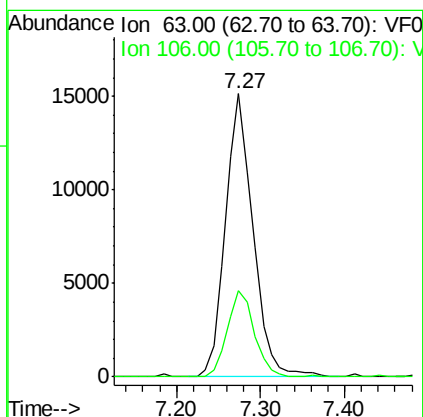
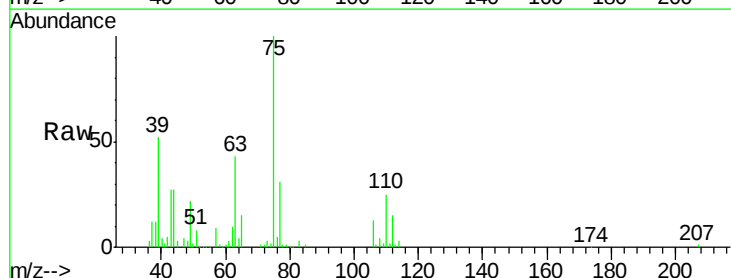
Acq: 26 Feb 2019 16:06

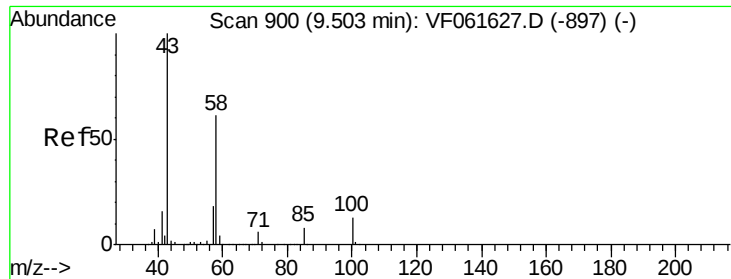
Tgt Ion: 63 Resp: 34415

Ion Ratio Lower Upper

63 100

106 30.6 24.6 36.8

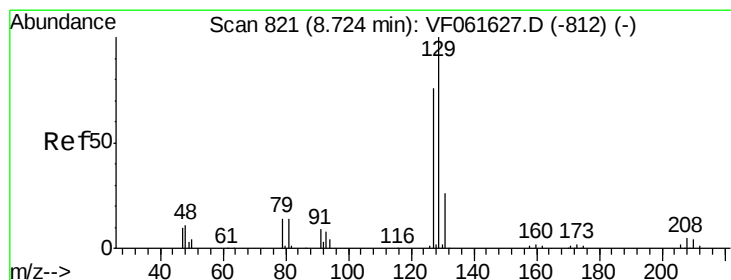
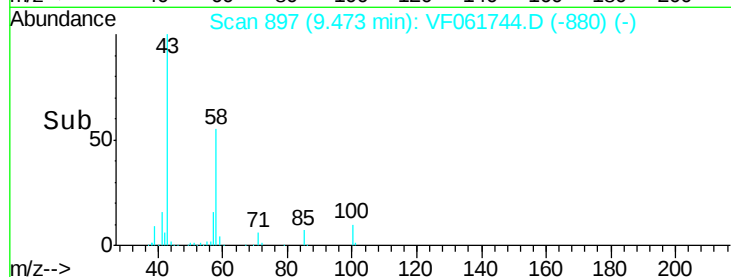
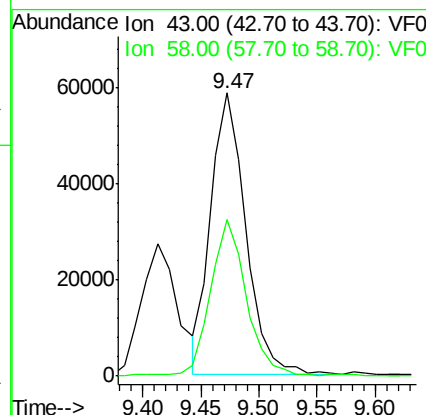
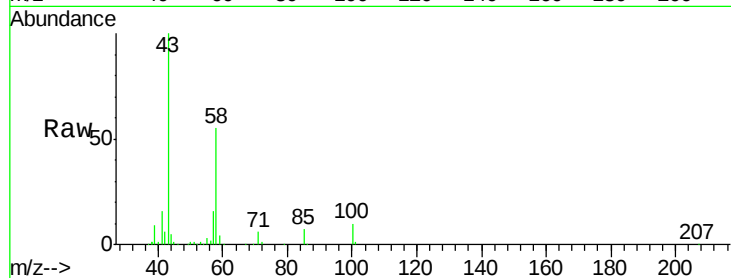




#59
2-Hexanone
Concen: 99.357 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

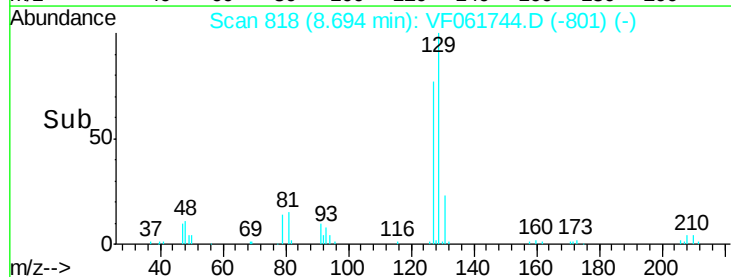
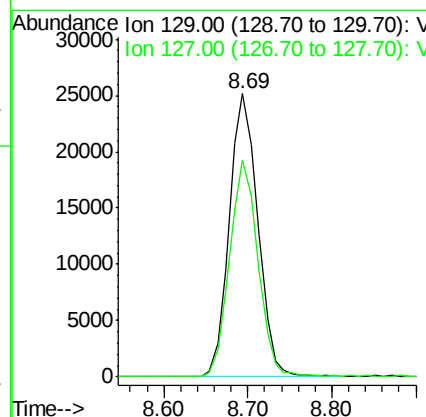
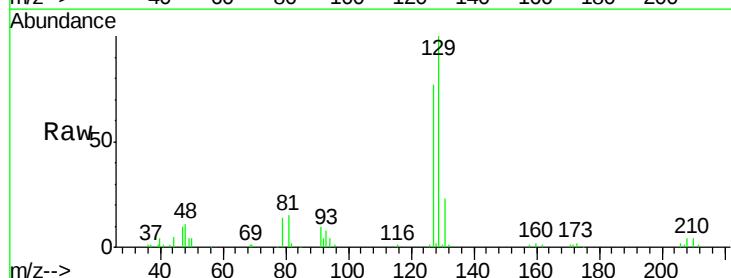
Instrument :
MSVOA_F
ClientSampleId :
VF0226SBSD01

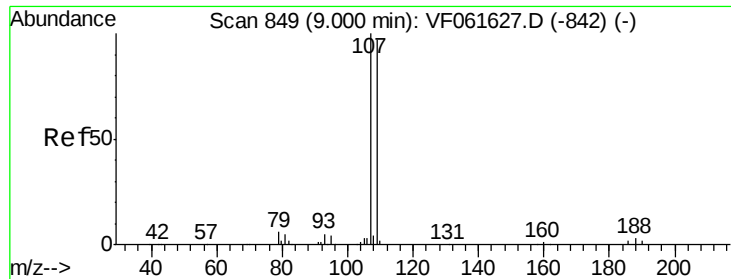
Tot Ion: 43 Resp: 122117
Ion Ratio Lower Upper
43 100
58 55.2 28.5 85.5



#60
Dibromochloromethane
Concen: 20.406 ug/l
RT: 8.69 min Scan# 818
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion: 129 Resp: 59085
Ion Ratio Lower Upper
129 100
127 76.6 37.8 113.4





#61

1,2-Dibromoethane

Concen: 19.427 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.04 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

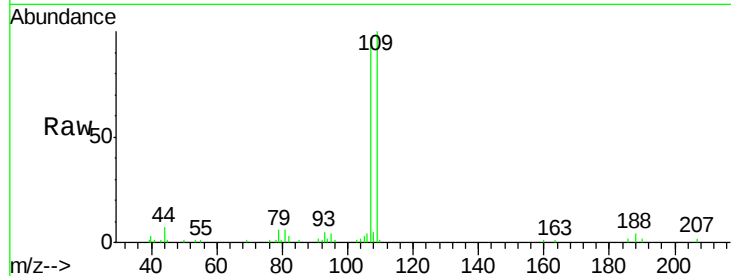
VF0226SBS01

Tot Ion:107 Resp: 43833

Ion Ratio Lower Upper

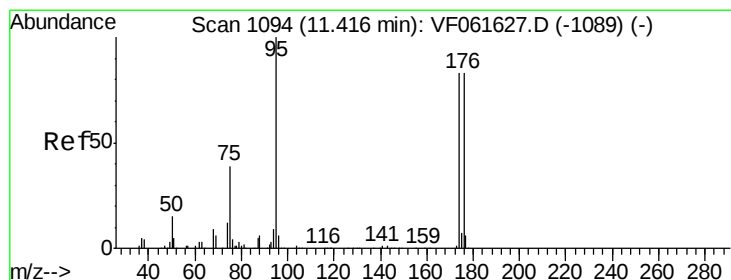
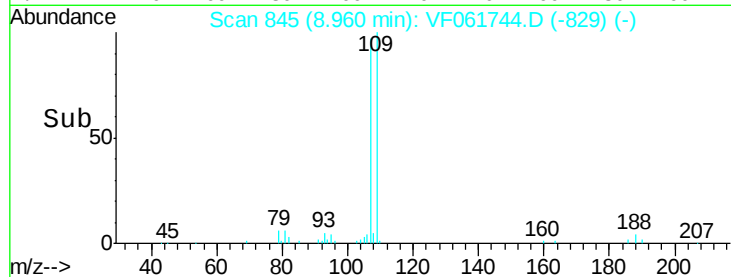
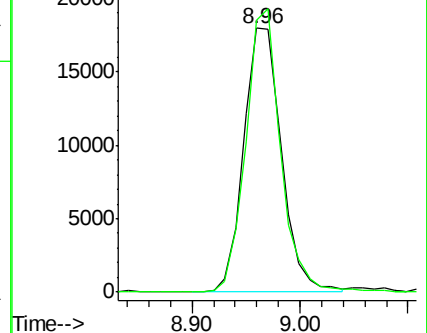
107 100

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: 50.256 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

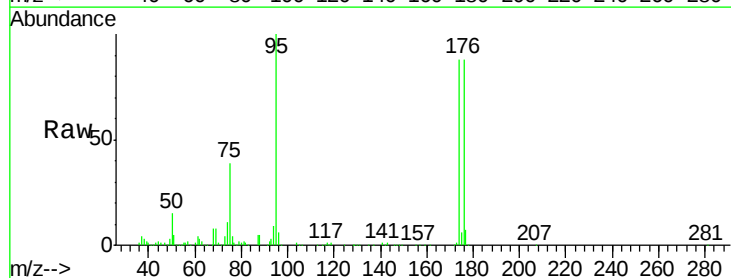
Tgt Ion: 95 Resp: 195584

Ion Ratio Lower Upper

95 100

174 87.7 0.0 165.8

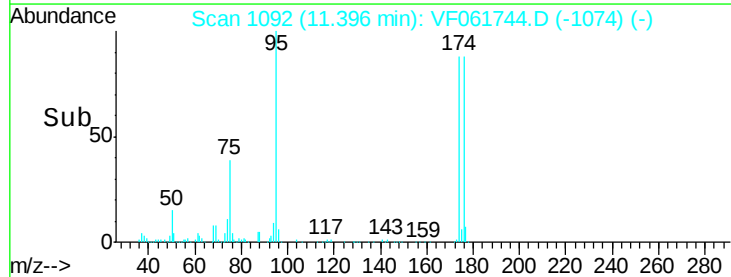
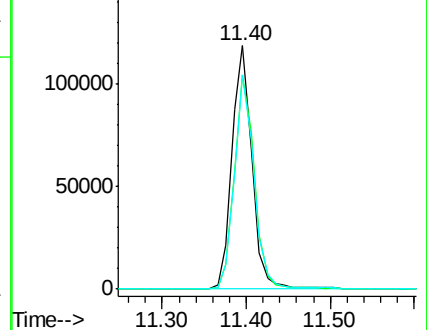
176 87.9 0.0 167.0

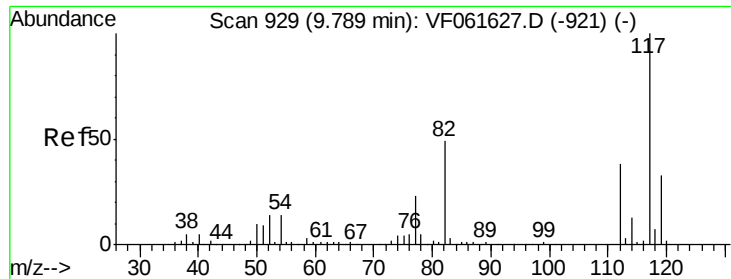


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

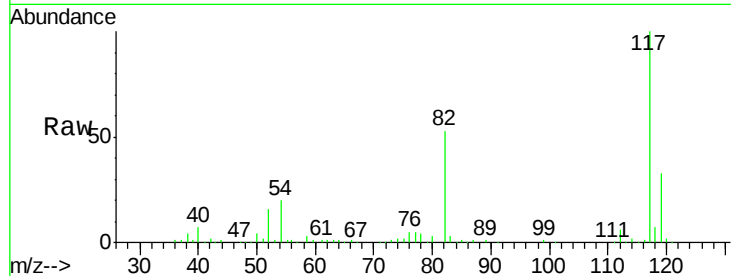




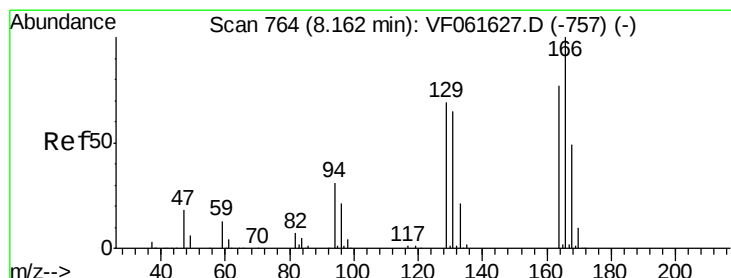
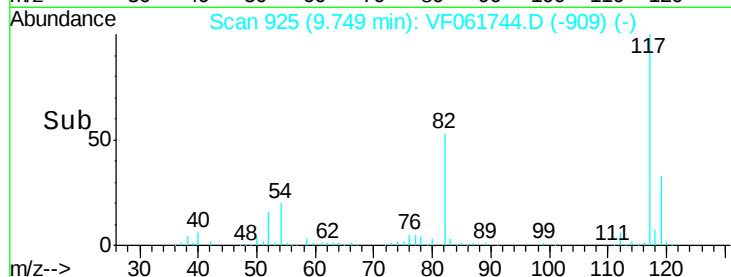
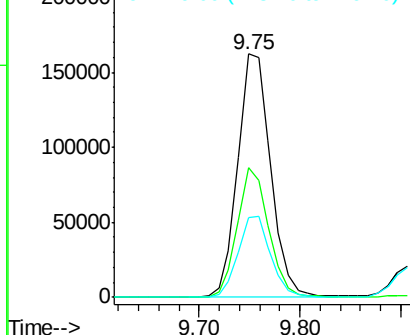
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBSD01

Tot Ion:117 Resp: 371094
Ion Ratio Lower Upper
117 100
82 53.1 39.3 58.9
119 32.6 26.6 40.0

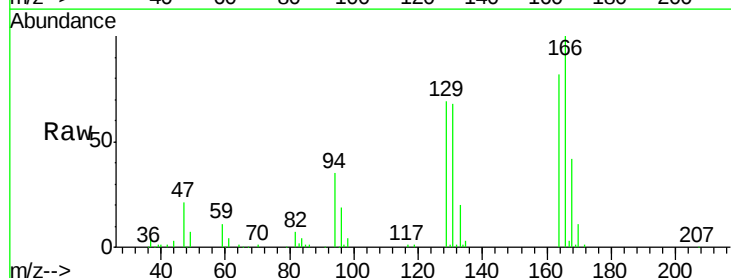


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

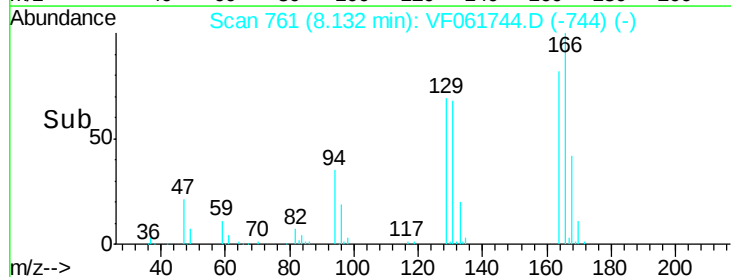
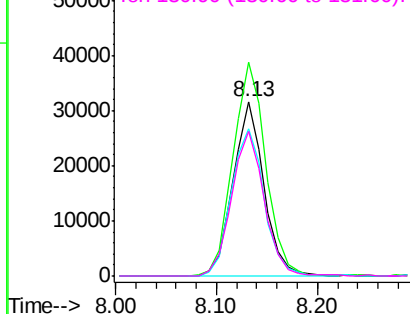


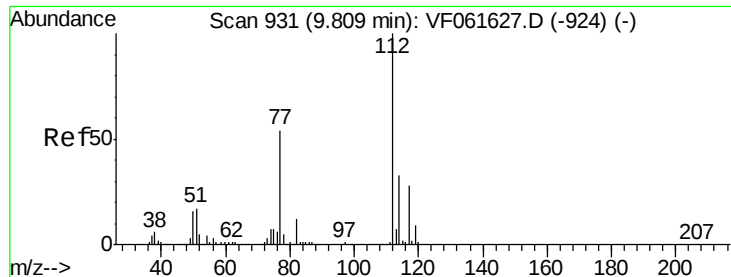
#64
Tetrachloroethene
Concen: 22.163 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion:164 Resp: 67226
Ion Ratio Lower Upper
164 100
166 122.6 103.9 155.9
129 84.4 71.3 106.9
131 83.1 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

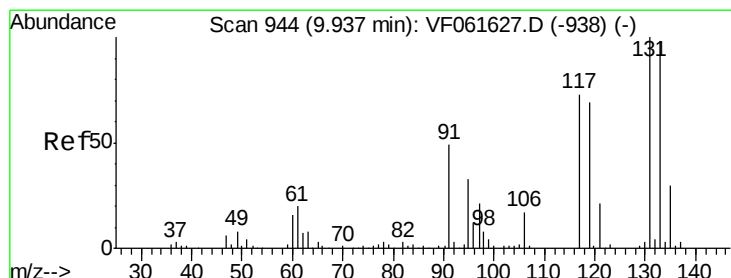
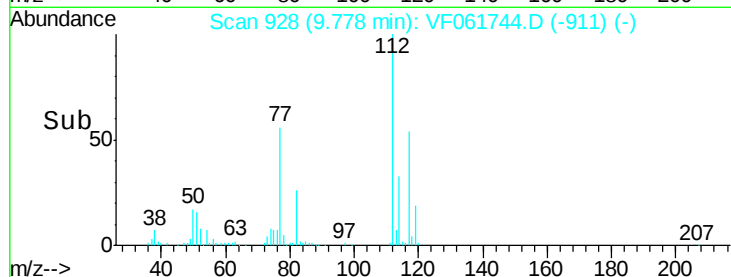
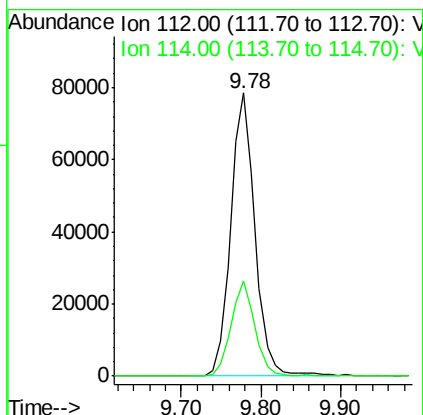
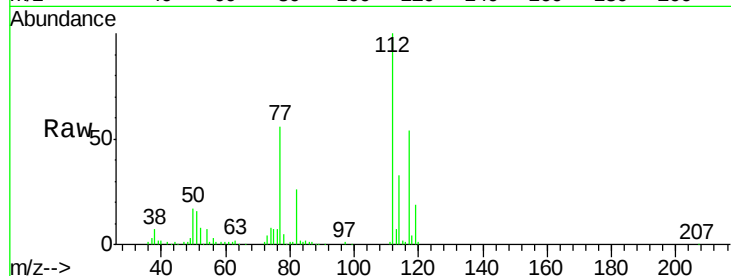




#65
Chlorobenzene
Concen: 22.205 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

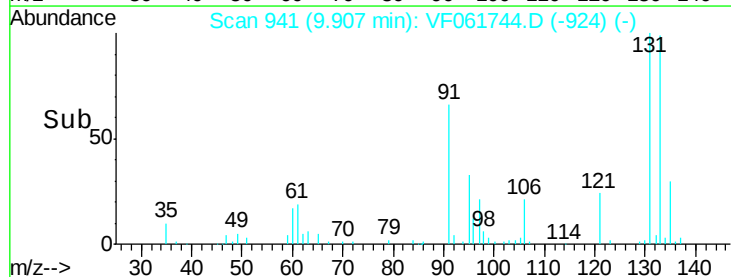
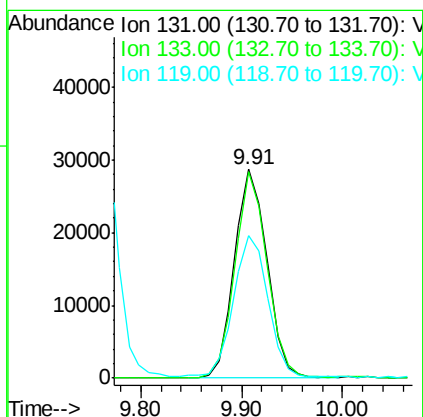
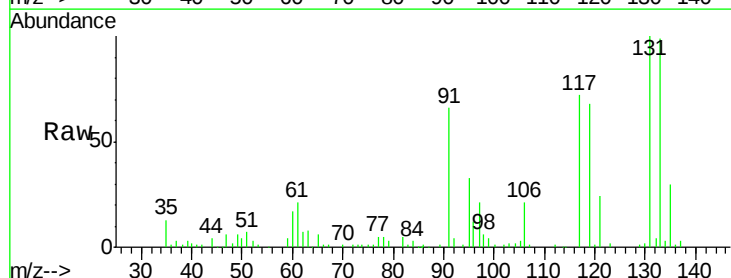
Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

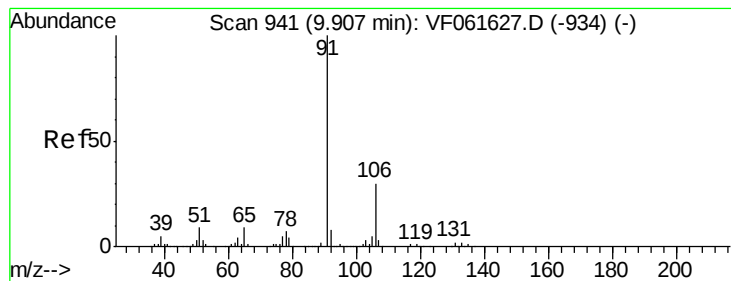
Tot Ion:112 Resp: 167213
Ion Ratio Lower Upper
112 100
114 33.5 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.993 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion:131 Resp: 64897
Ion Ratio Lower Upper
131 100
133 98.6 48.9 146.6
119 68.3 34.8 104.3





#67

Ethyl Benzene

Concen: 21.546 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

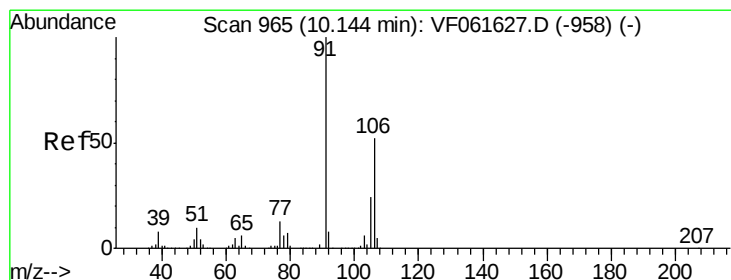
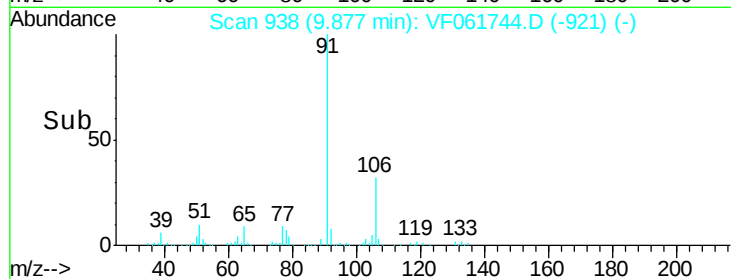
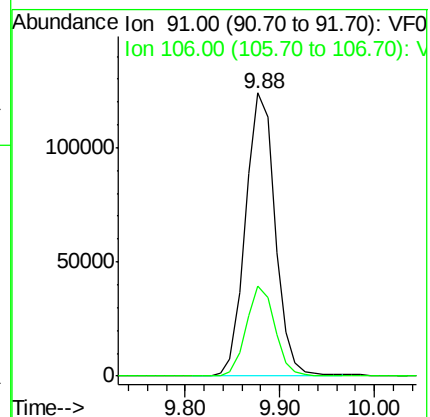
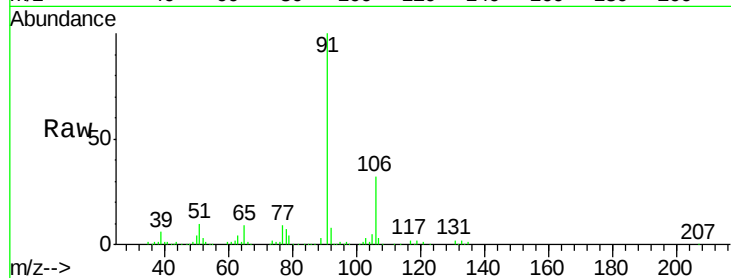
VF0226SBSD01

Tot Ion: 91 Resp: 269824

Ion Ratio Lower Upper

91 100

106 31.8 24.1 36.1



#68

m/p-Xylenes

Concen: 45.965 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.03 min

Lab File: VF061744.D

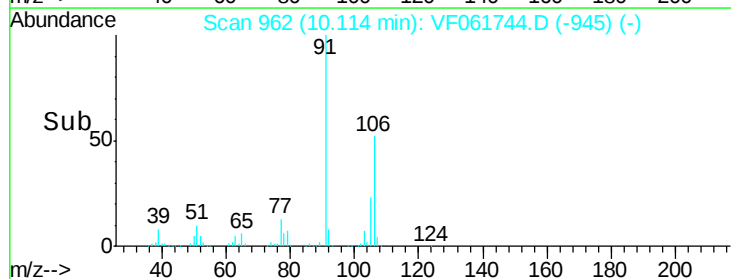
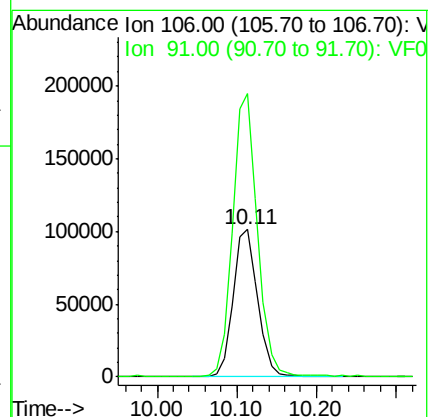
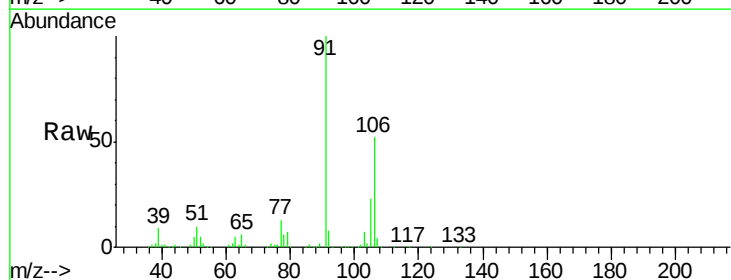
Acq: 26 Feb 2019 16:06

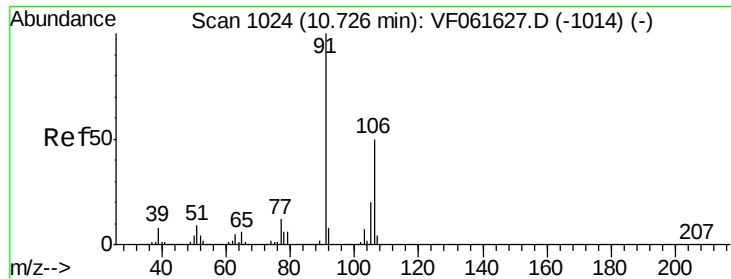
Tgt Ion: 106 Resp: 220294

Ion Ratio Lower Upper

106 100

91 192.2 153.0 229.6

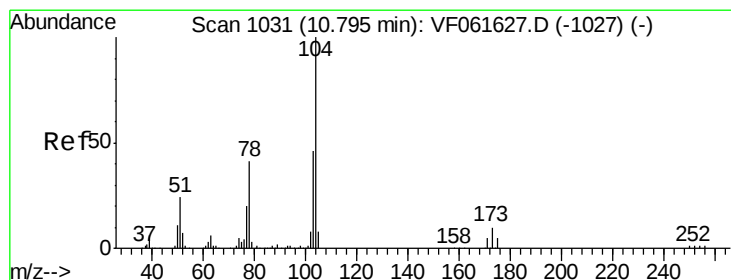
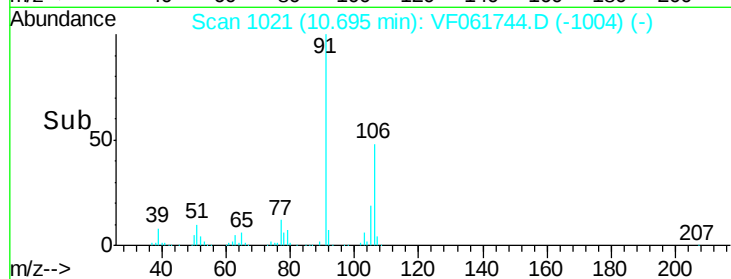
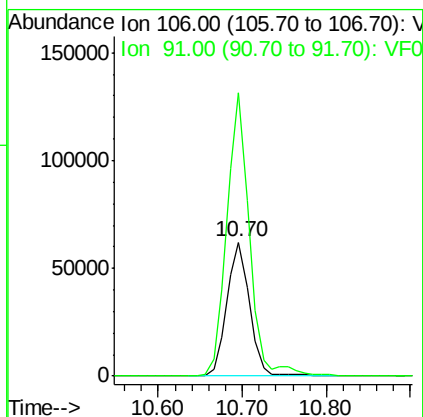
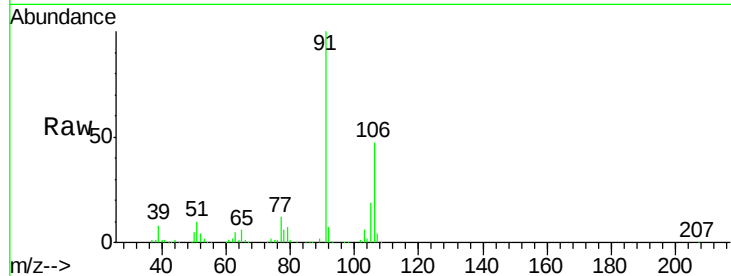




#69
o-Xylene
Concen: 22.888 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

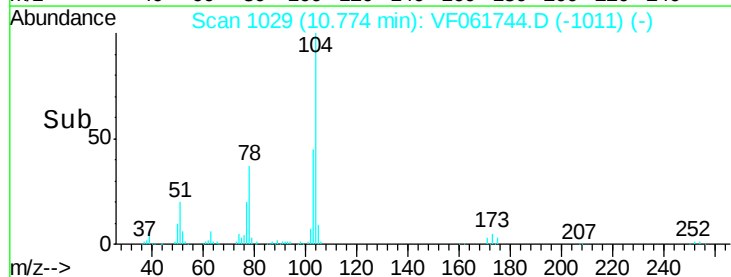
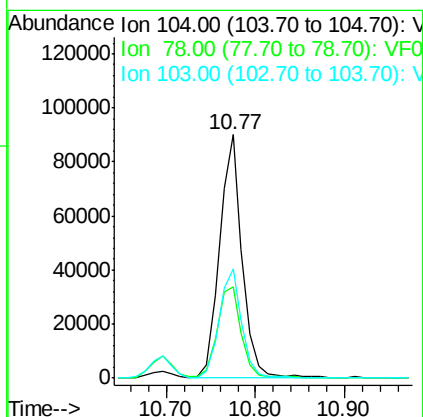
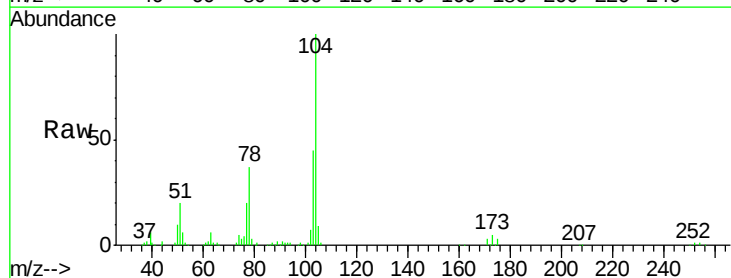
Instrument :
MSVOA_F
ClientSampleId :
VF0226SBSD01

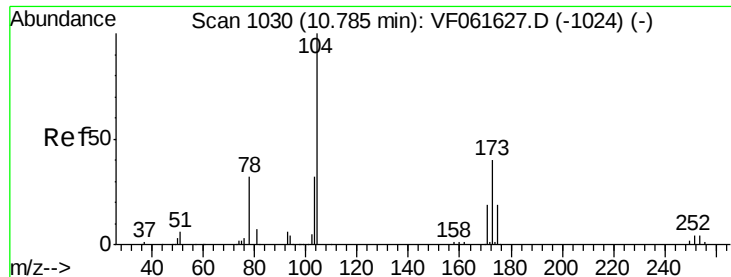
Tot Ion:106 Resp: 117051
Ion Ratio Lower Upper
106 100
91 210.9 100.1 300.1



#70
Styrene
Concen: 21.982 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion:104 Resp: 159033
Ion Ratio Lower Upper
104 100
78 37.2 33.2 49.8
103 44.7 37.2 55.8





#71

Bromoform

Concen: 19.351 ug/l

RT: 10.75 min Scan# 1027

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBSD01

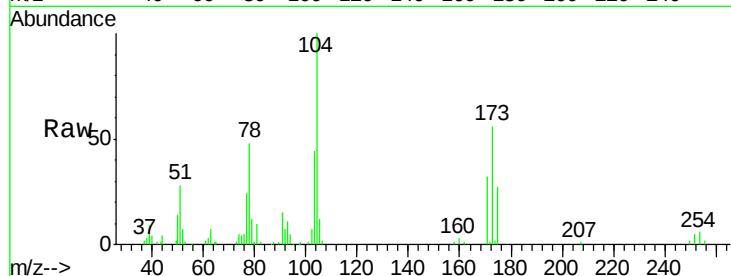
Tot Ion:173 Resp: 31007

Ion Ratio Lower Upper

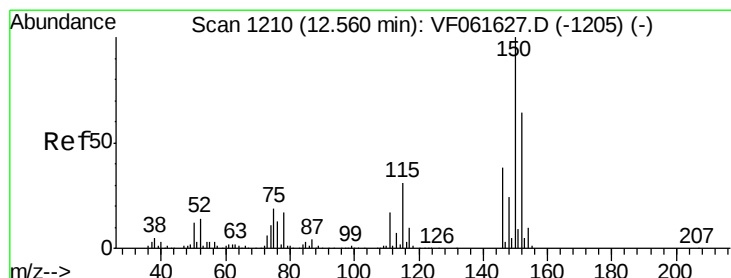
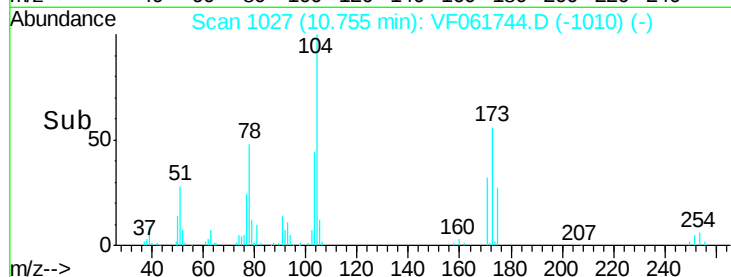
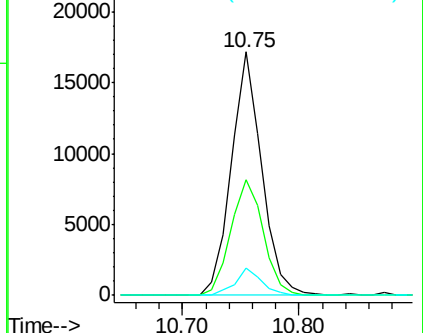
173 100

175 47.4 24.0 72.0

254 11.0 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: VF061744.D

Acq: 26 Feb 2019 16:06

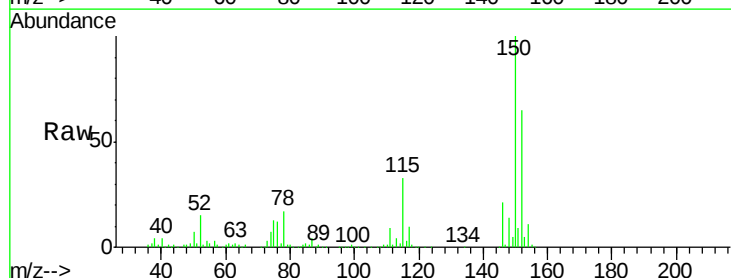
Tgt Ion:152 Resp: 213764

Ion Ratio Lower Upper

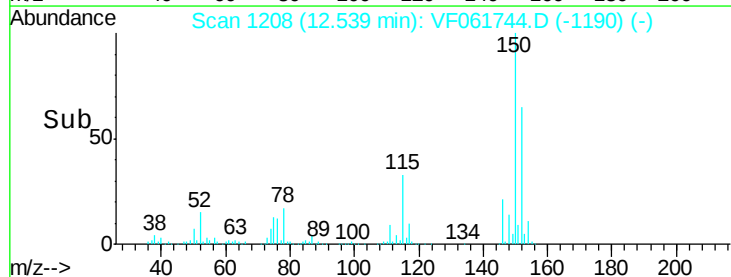
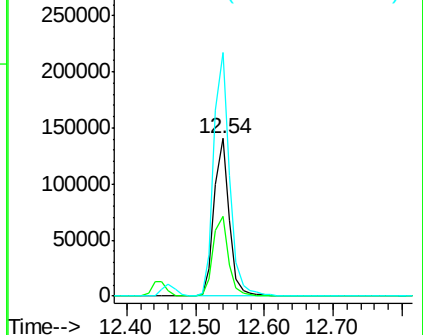
152 100

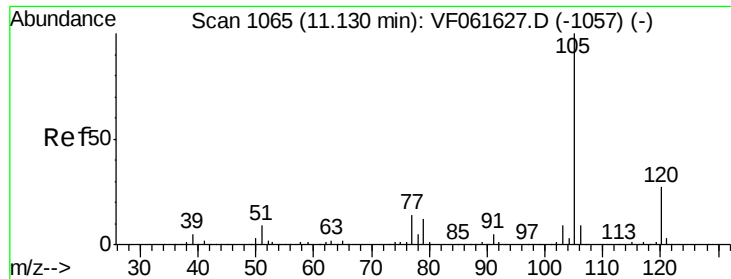
115 50.6 24.3 72.8

150 154.5 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: 21.611 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

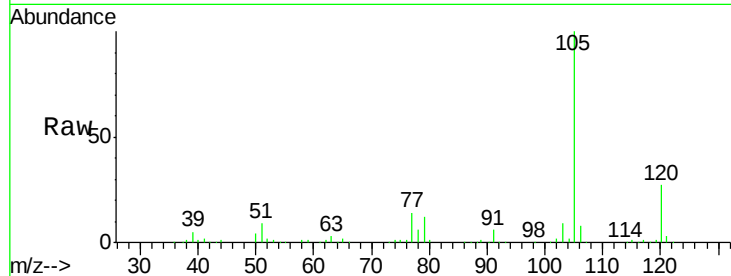
VF0226SBSD01

Tot Ion:105 Resp: 328906

Ion Ratio Lower Upper

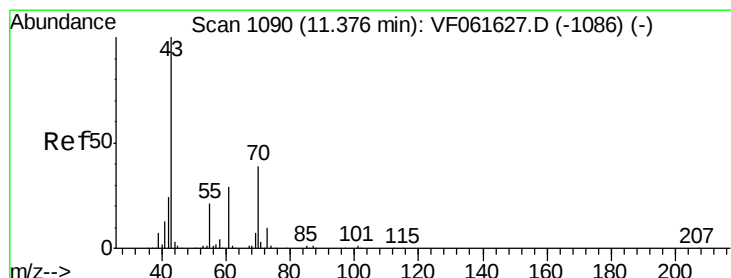
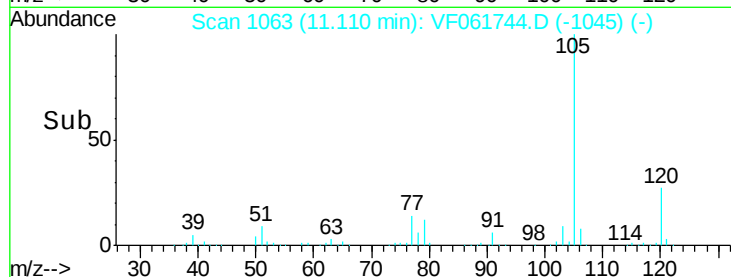
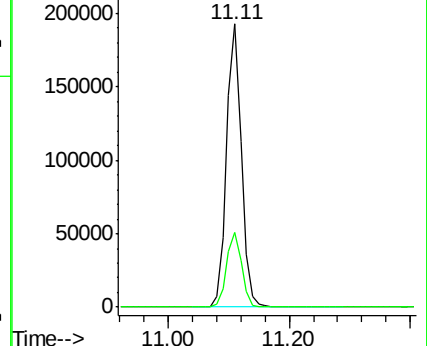
105 100

120 26.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.569 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Tgt Ion: 43 Resp: 78794

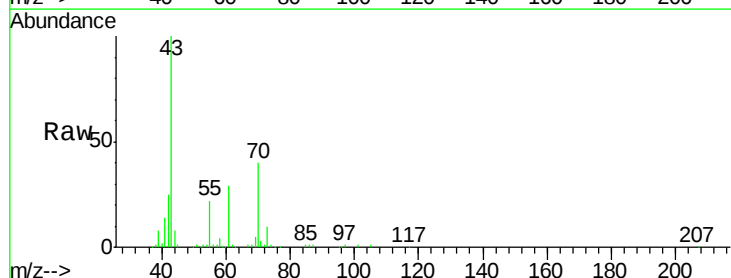
Ion Ratio Lower Upper

43 100

70 40.2 31.5 47.3

55 22.4 16.7 25.1

61 28.7 23.0 34.6

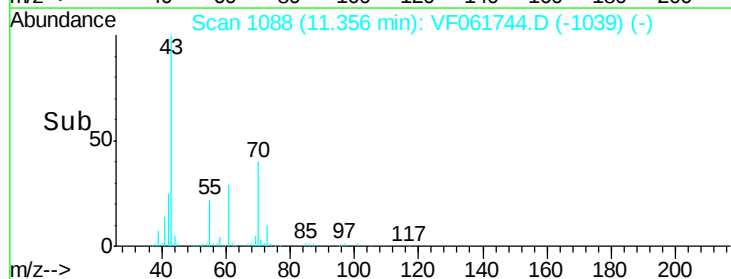
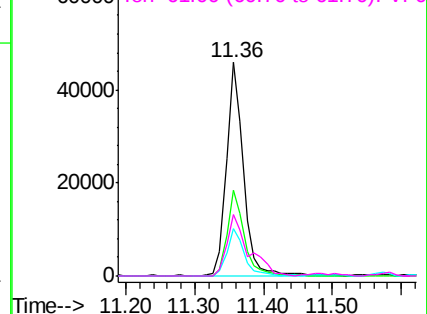


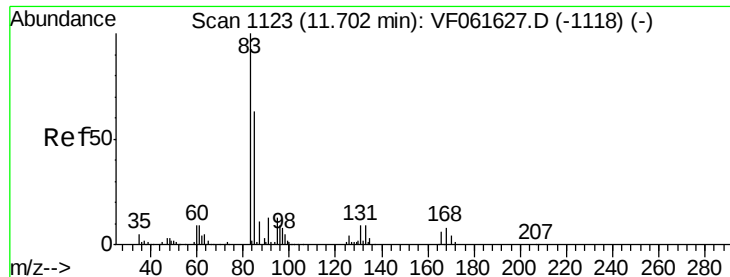
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.531 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

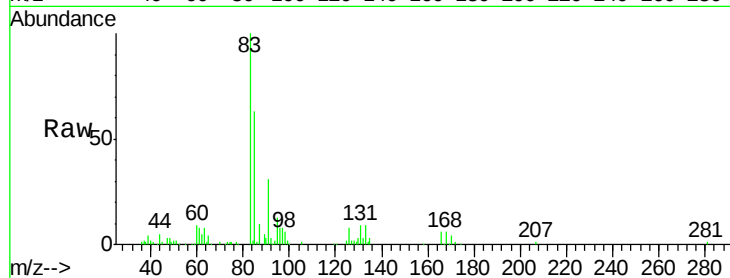
Tot Ion: 83 Resp: 55982

Ion Ratio Lower Upper

83 100

131 9.4 4.4 13.2

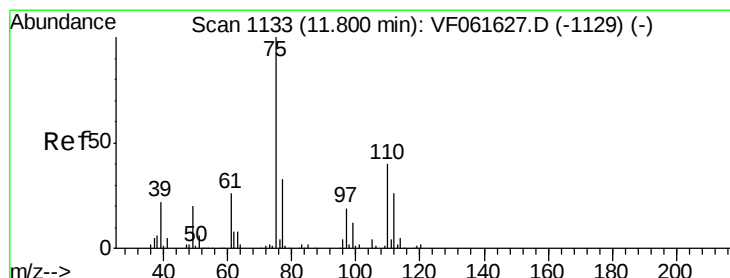
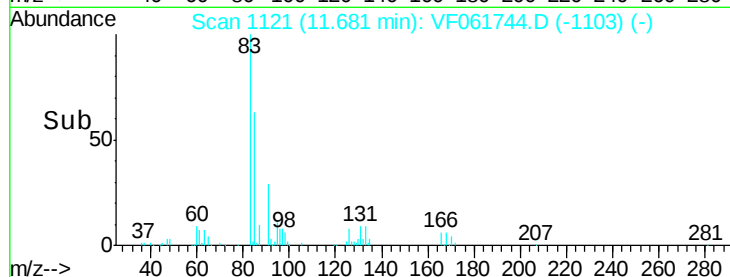
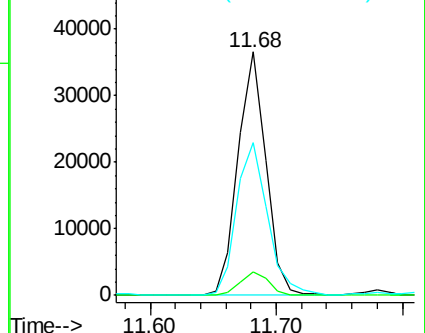
85 62.5 31.5 94.5



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: 19.583 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF061744.D

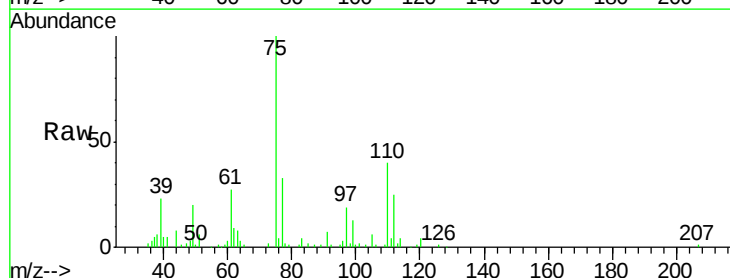
Acq: 26 Feb 2019 16:06

Tgt Ion: 75 Resp: 36303

Ion Ratio Lower Upper

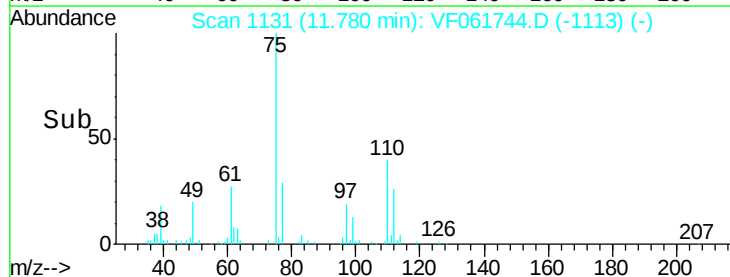
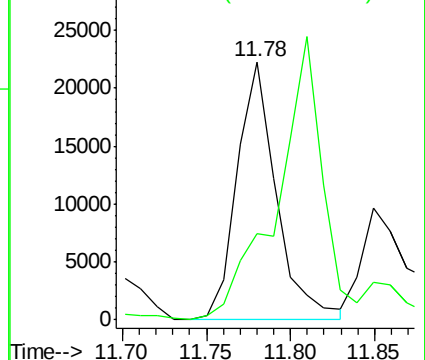
75 100

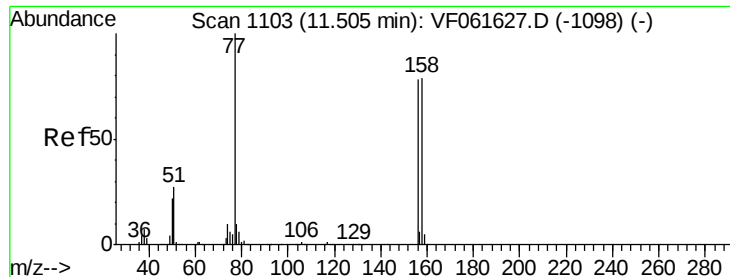
77 33.4 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.661 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

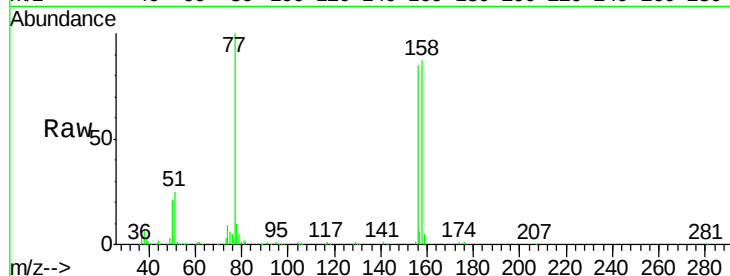
Tot Ion:156 Resp: 81445

Ion Ratio Lower Upper

156 100

77 117.8 64.3 192.7

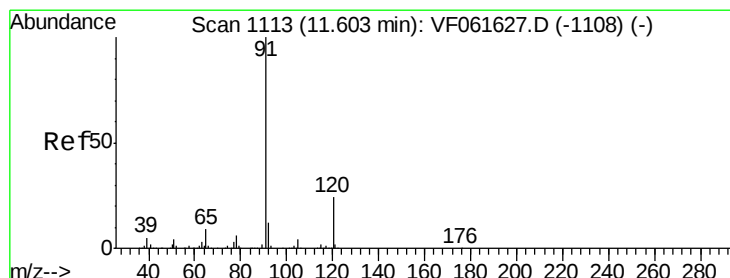
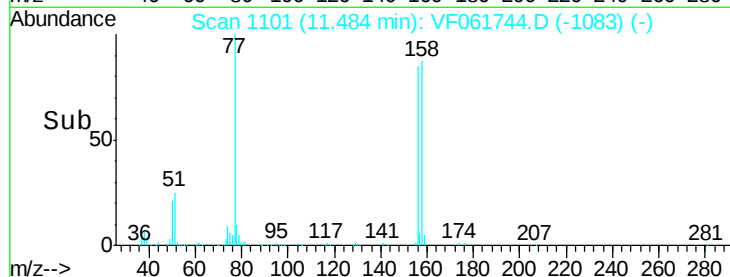
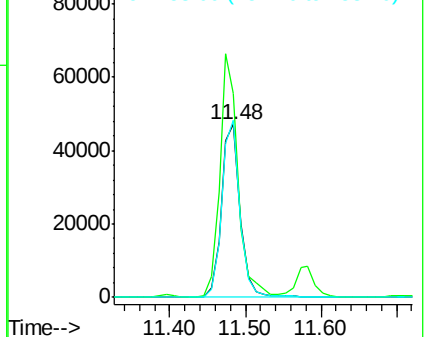
158 102.0 50.9 152.7



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: 21.972 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF061744.D

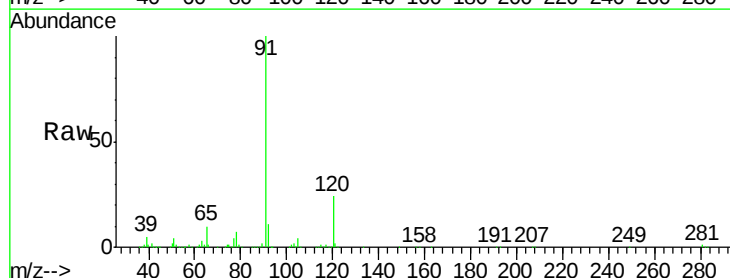
Acq: 26 Feb 2019 16:06

Tgt Ion: 91 Resp: 383744

Ion Ratio Lower Upper

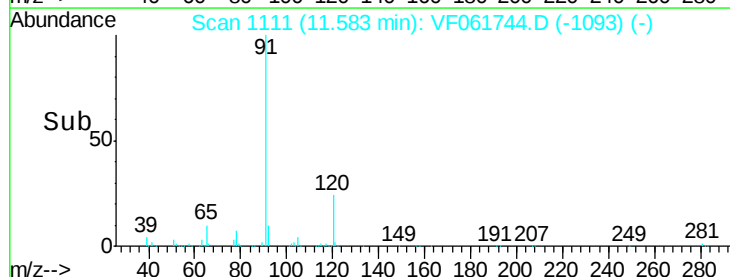
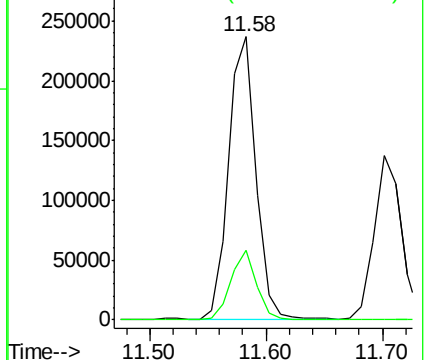
91 100

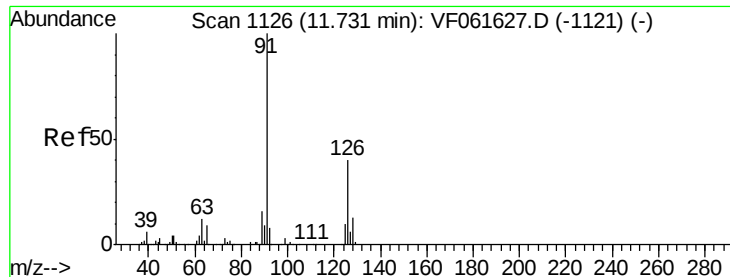
120 24.4 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.460 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

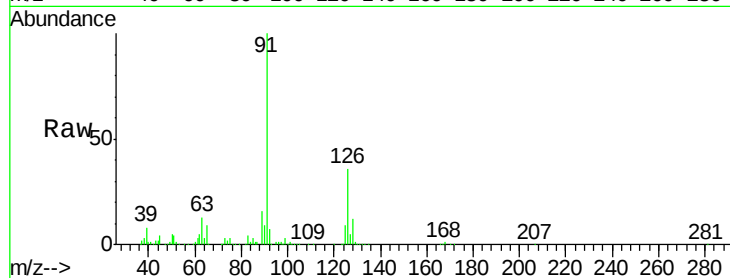
VF0226SBSD01

Tot Ion: 91 Resp: 219683

Ion Ratio Lower Upper

91 100

126 36.5 19.8 59.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.70

150000

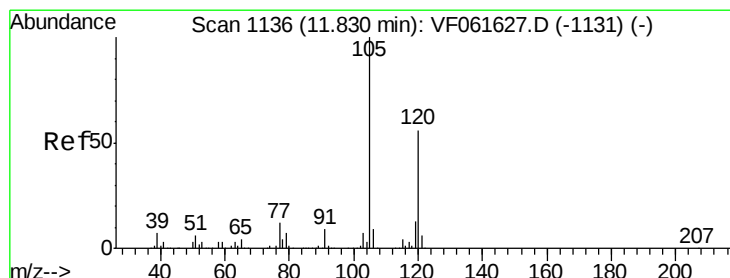
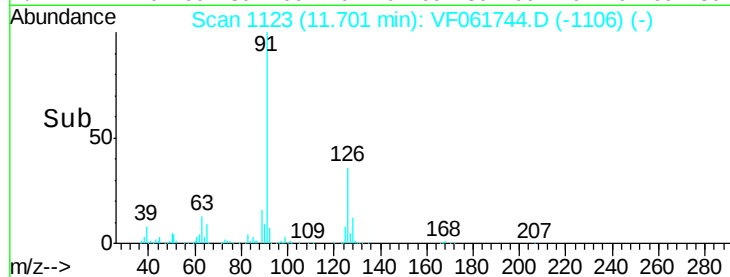
100000

50000

0

Time-->

11.65 11.70 11.75 11.80



#80

1,3,5-Trimethylbenzene

Concen: 22.839 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061744.D

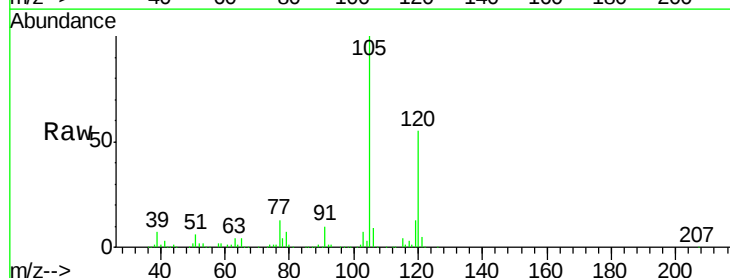
Acq: 26 Feb 2019 16:06

Tgt Ion:105 Resp: 277810

Ion Ratio Lower Upper

105 100

120 54.8 27.9 83.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.81

200000

150000

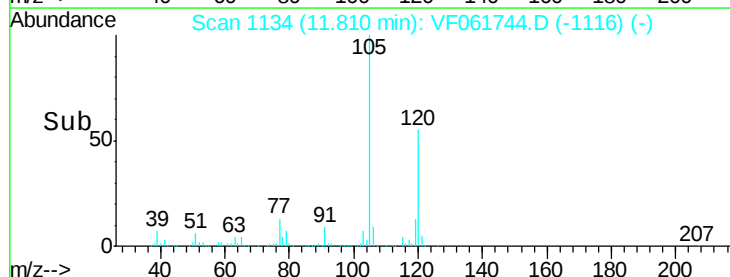
100000

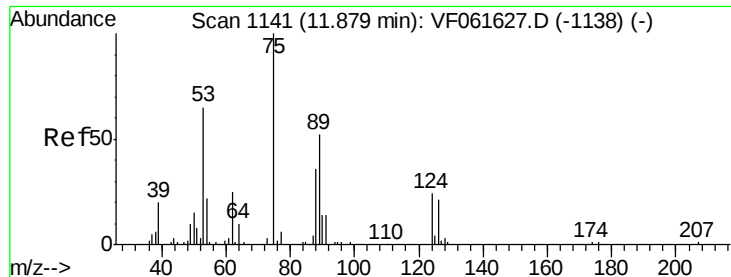
50000

0

Time-->

11.70 11.80 11.90





#81

trans-1,4-Dichloro-2-butene

Concen: 23.989 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

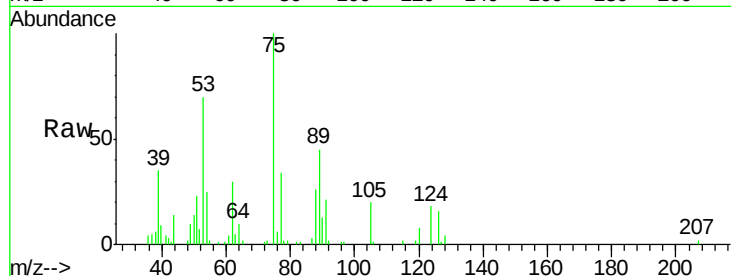
MSVOA_F

ClientSampleId :

VF0226SBS01

Tot Ion: 75 Resp: 21320

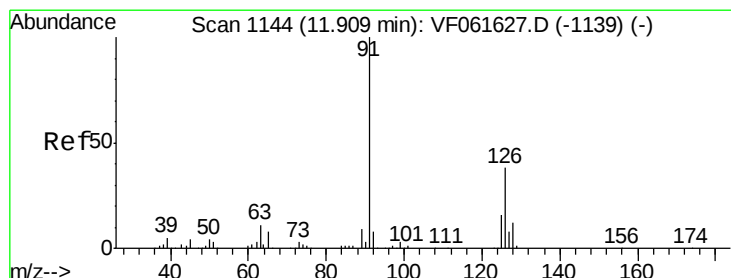
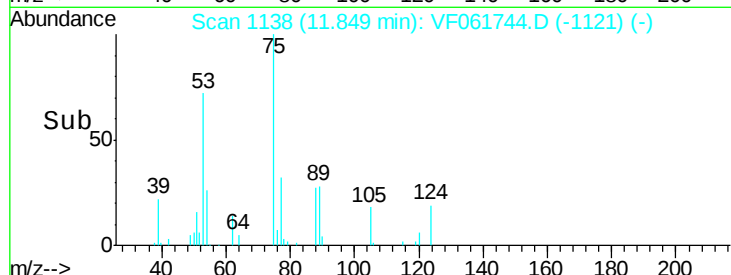
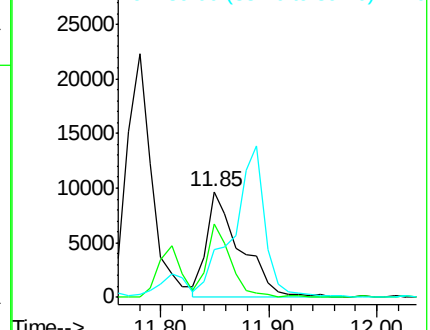
Ion	Ratio	Lower	Upper
75	100		
53	69.6	53.7	80.5
89	44.9	41.6	62.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.156 ug/l

RT: 11.89 min Scan# 1142

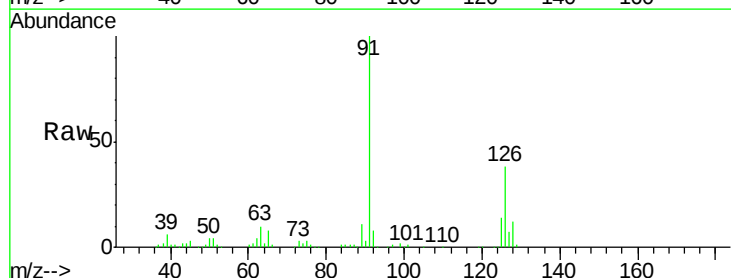
Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

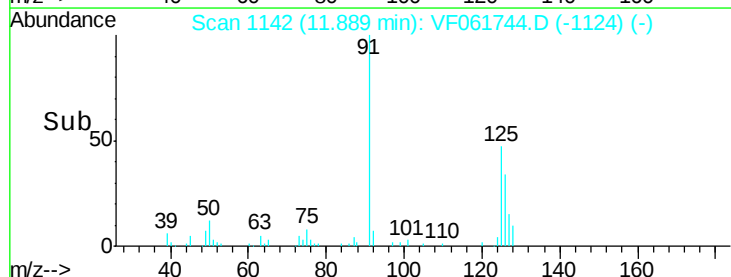
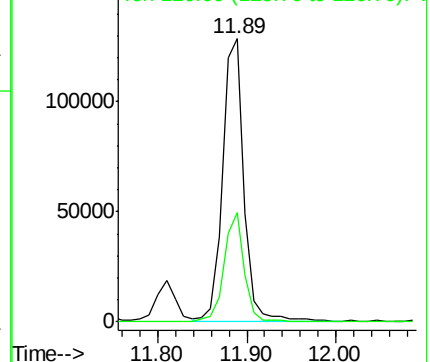
Tgt Ion: 91 Resp: 214782

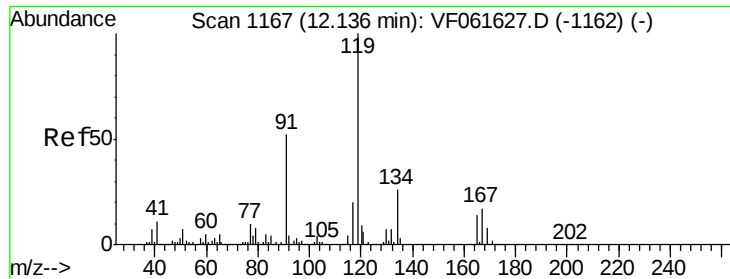
Ion	Ratio	Lower	Upper
91	100		
126	38.5	19.1	57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

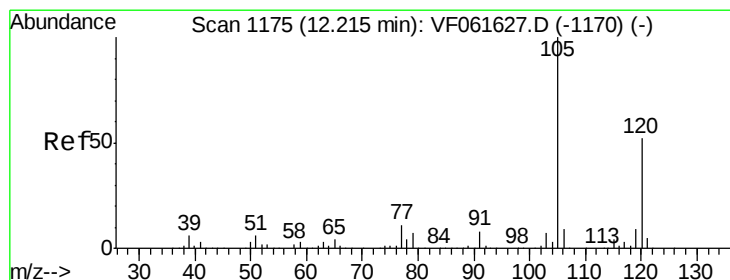
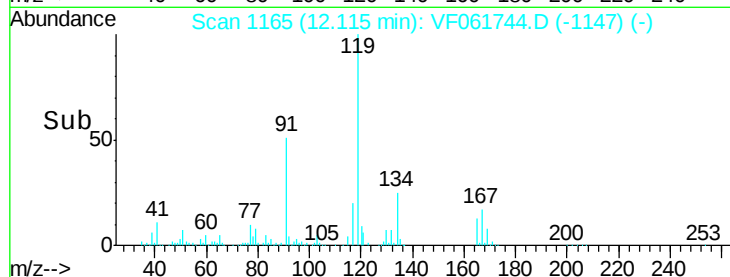
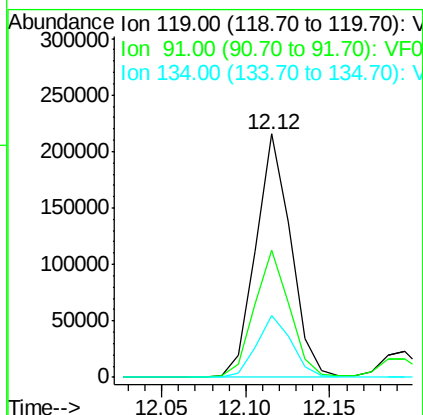
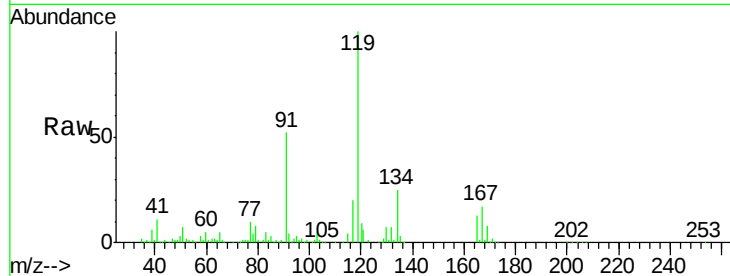




#83
 tert-Butylbenzene
 Concen: 23.160 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.02 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

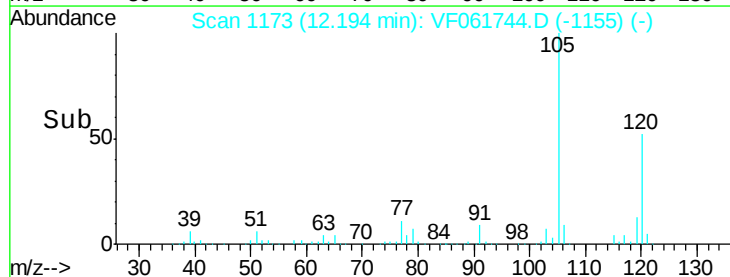
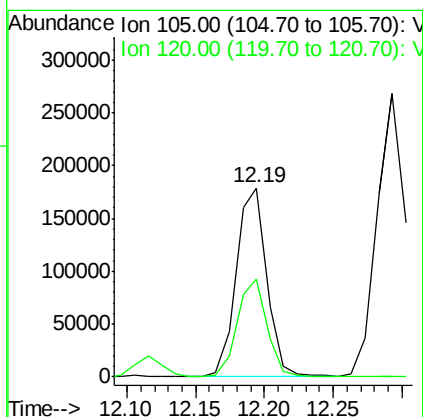
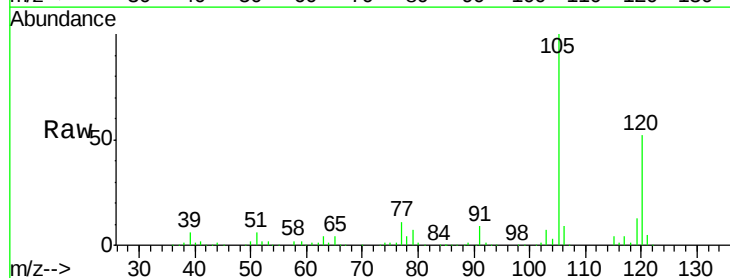
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBSD01

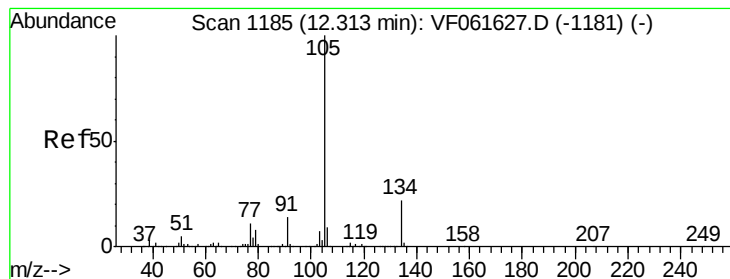
Tot Ion:119 Resp: 312033
 Ion Ratio Lower Upper
 119 100
 91 52.3 26.3 78.8
 134 25.4 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.847 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. -0.02 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Tgt Ion:105 Resp: 276104
 Ion Ratio Lower Upper
 105 100
 120 51.9 26.1 78.3





#85

sec-Butylbenzene

Concen: 22.591 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

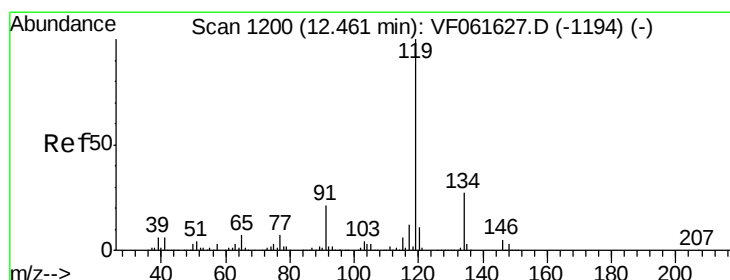
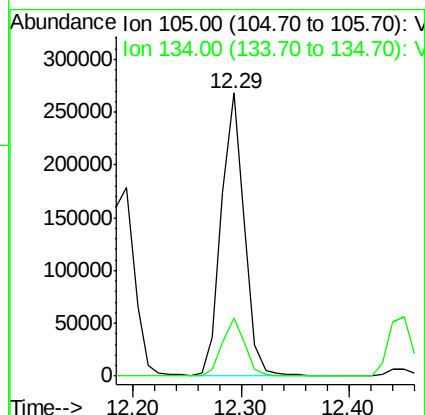
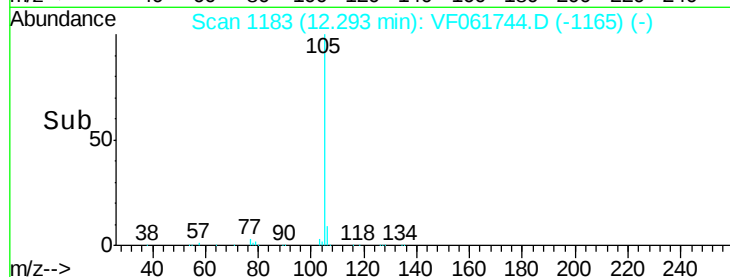
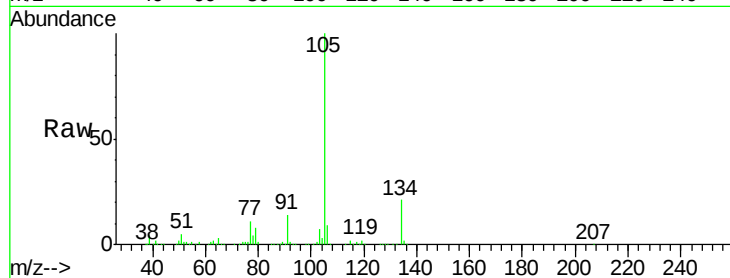
VF0226SBSD01

Tot Ion:105 Resp: 393602

Ion Ratio Lower Upper

105 100

134 20.6 10.8 32.4



#86

p-Isopropyltoluene

Concen: 22.391 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

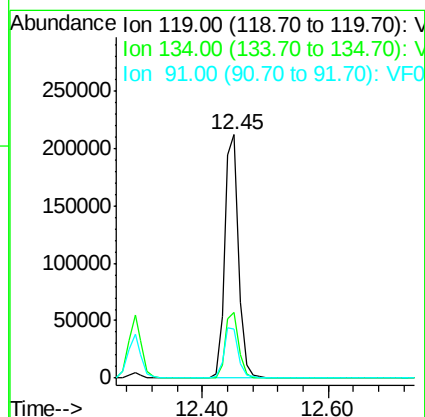
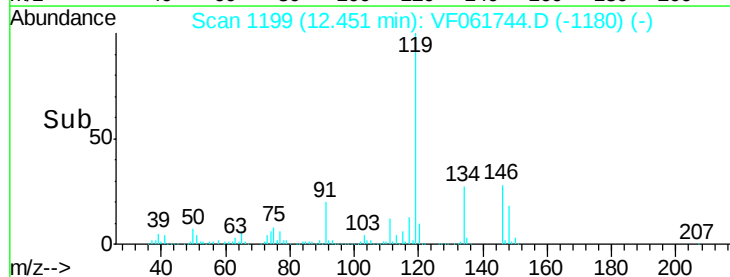
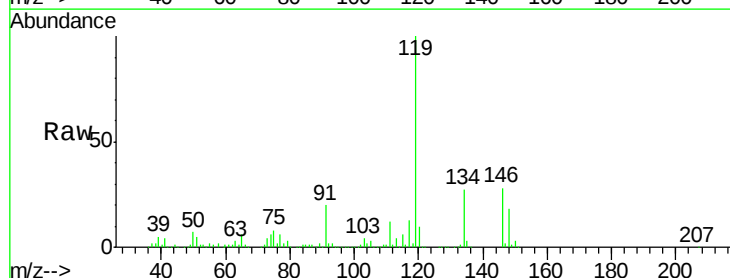
Tgt Ion:119 Resp: 327397

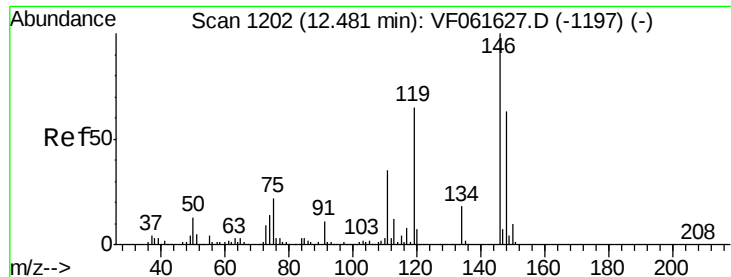
Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.1

91 19.9 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 21.495 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

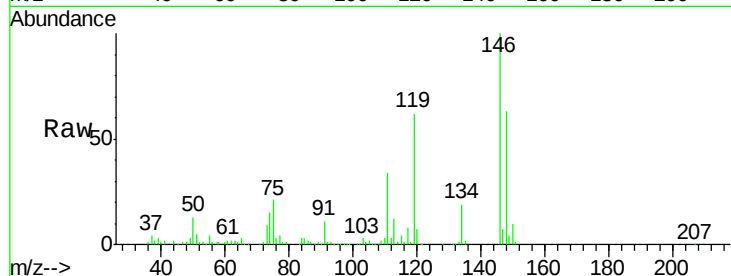
Tot Ion:146 Resp: 157560

Ion Ratio Lower Upper

146 100

111 34.4 17.5 52.6

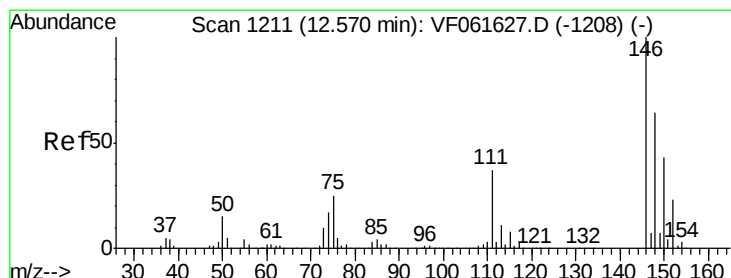
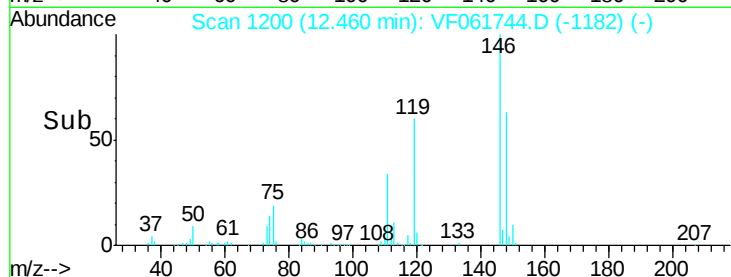
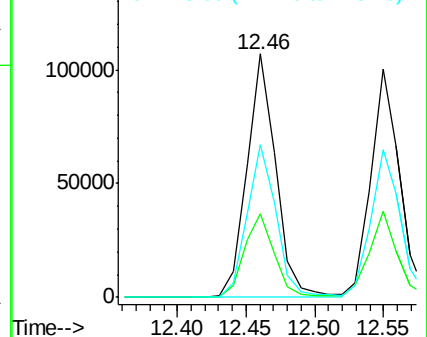
148 62.5 31.4 94.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 20.886 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

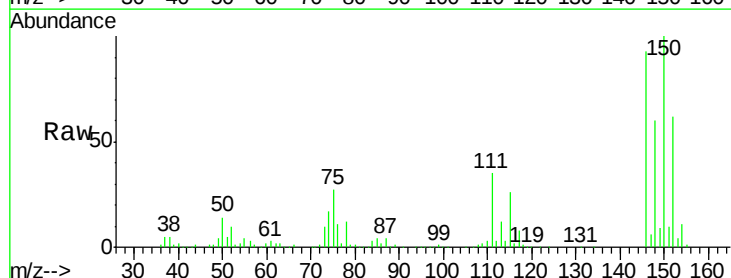
Tgt Ion:146 Resp: 147232

Ion Ratio Lower Upper

146 100

111 37.5 18.4 55.4

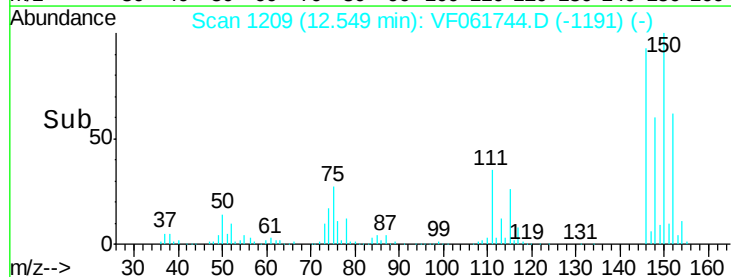
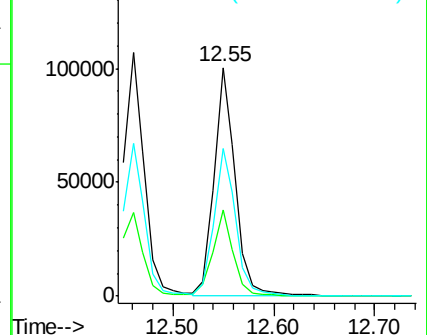
148 64.8 32.2 96.6

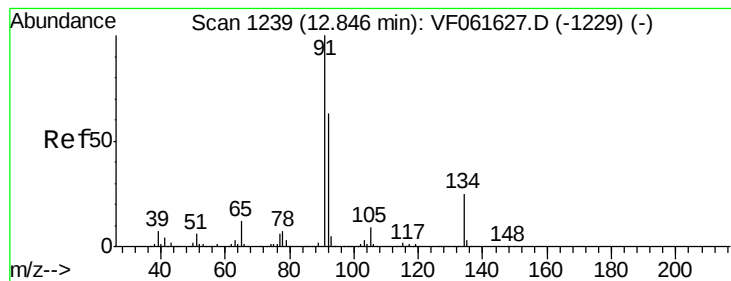


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 23.102 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VF061744.D

Acq: 26 Feb 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

VF0226SBS01

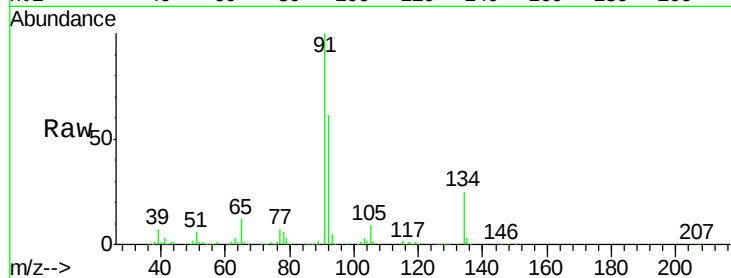
Tot Ion: 91 Resp: 318976

Ion Ratio Lower Upper

91 100

92 60.9 31.4 94.3

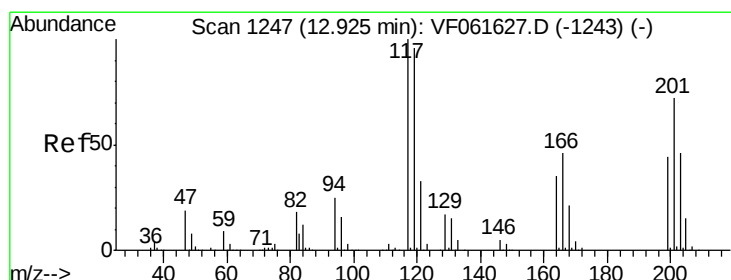
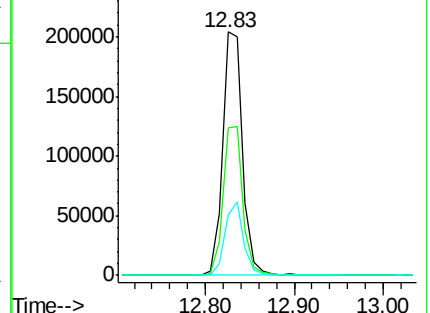
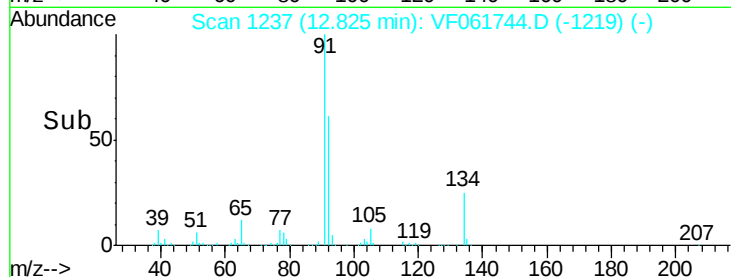
134 24.7 12.3 36.9



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: 23.614 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VF061744.D

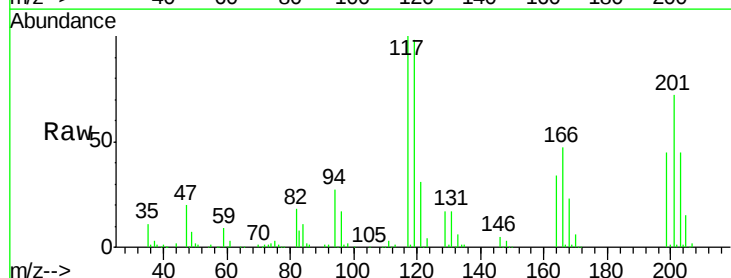
Acq: 26 Feb 2019 16:06

Tgt Ion: 117 Resp: 80303

Ion Ratio Lower Upper

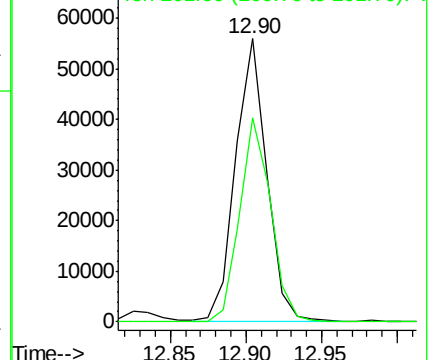
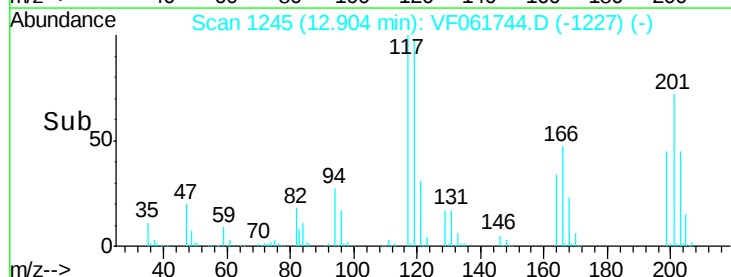
117 100

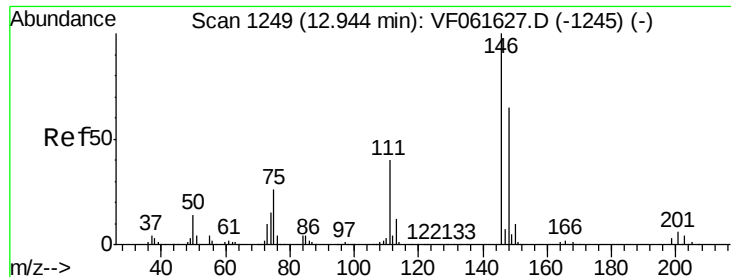
201 72.3 36.2 108.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

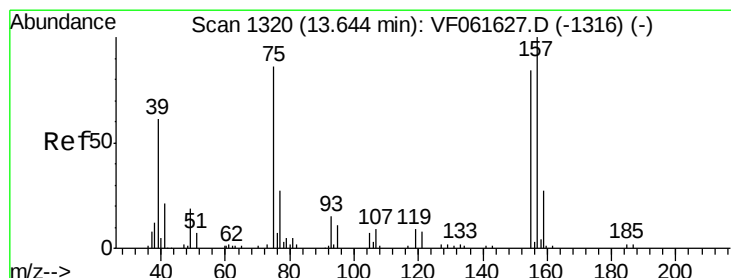
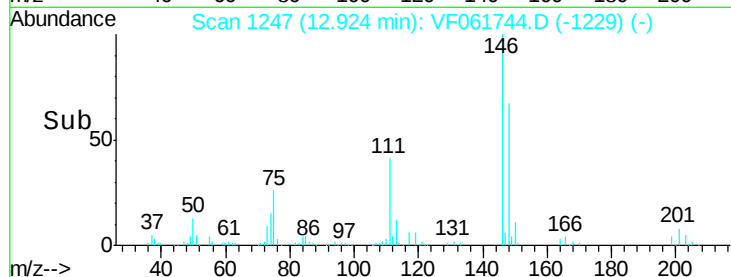
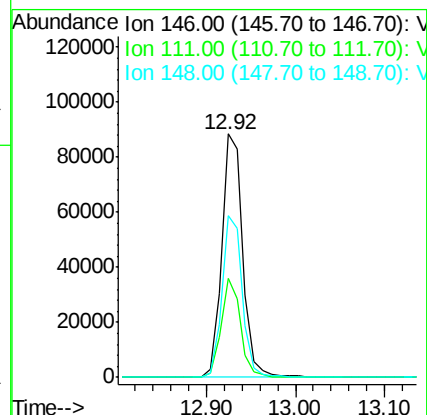
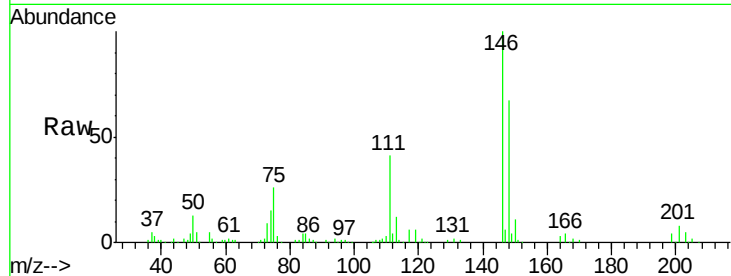




#91
 1,2-Dichlorobenzene
 Concen: 20.955 ug/l
 RT: 12.92 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

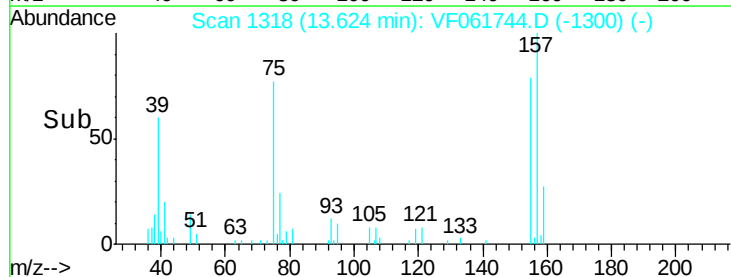
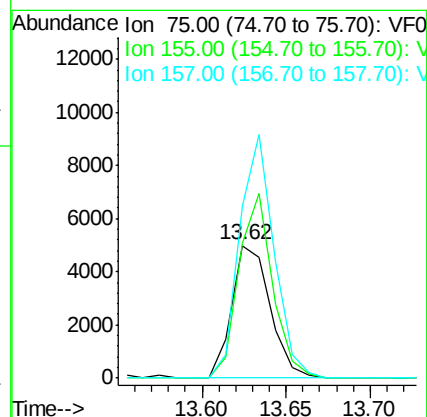
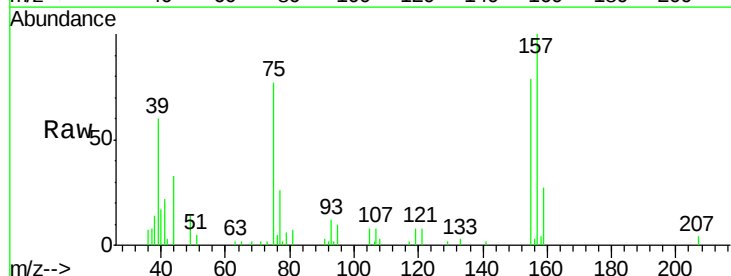
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

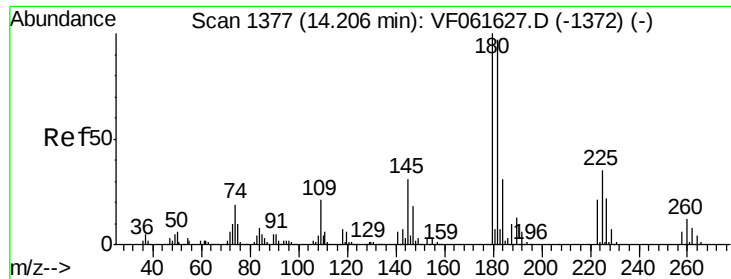
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.2	60.5
148	66.7	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.124 ug/l
 RT: 13.62 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	48.9	146.8
157	129.4	58.3	174.8

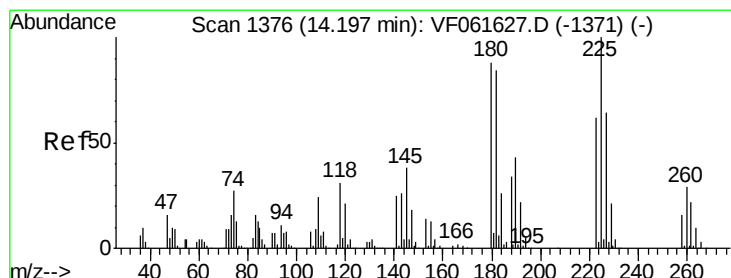
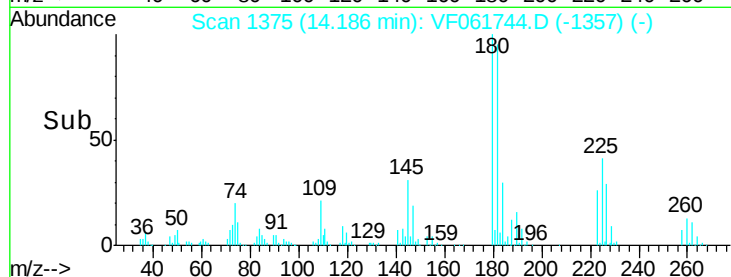
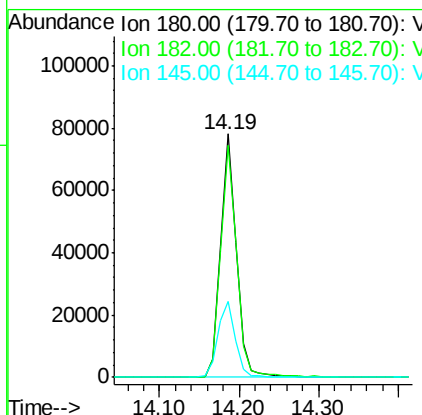
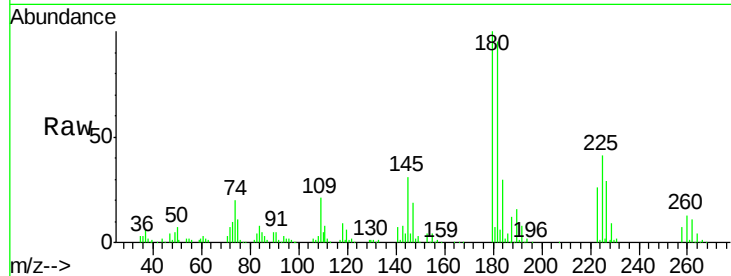




#93
 1,2,4-Trichlorobenzene
 Concen: 22.201 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

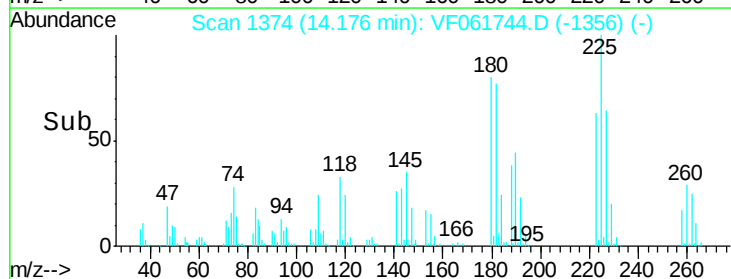
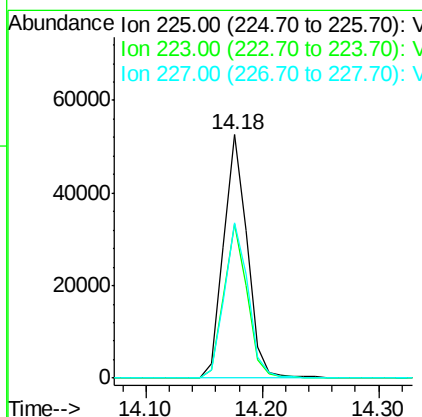
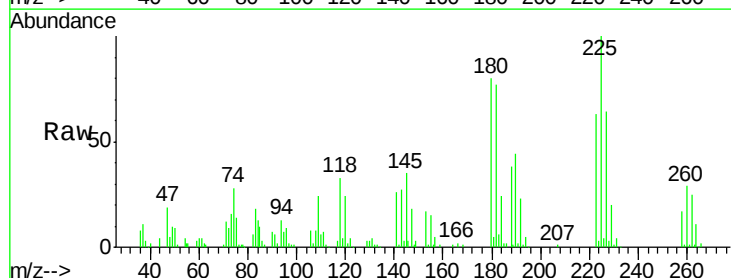
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0226SBS01

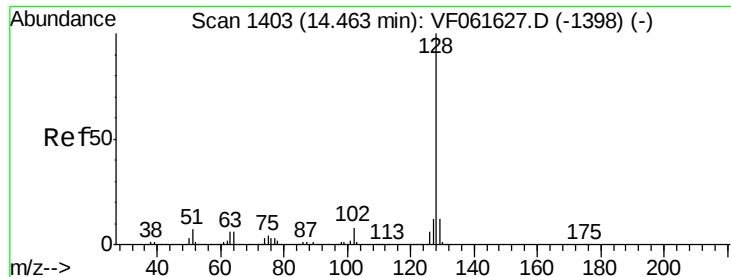
Tot Ion:180 Resp: 110947
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.6 145.9
 145 31.2 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 23.999 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061744.D
 Acq: 26 Feb 2019 16:06

Tgt Ion:225 Resp: 74070
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.9 92.7
 227 63.8 32.1 96.3

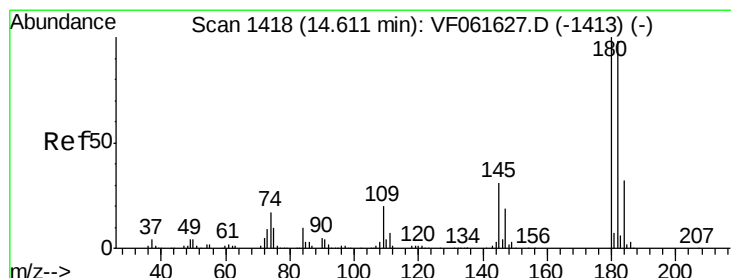
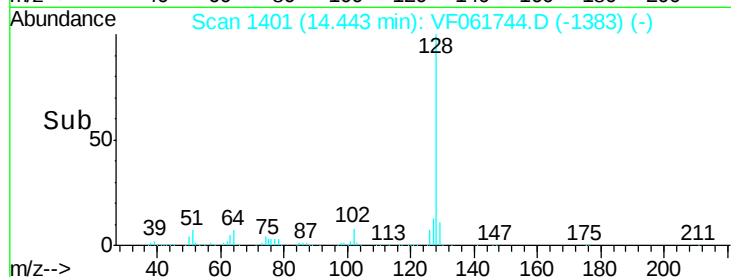
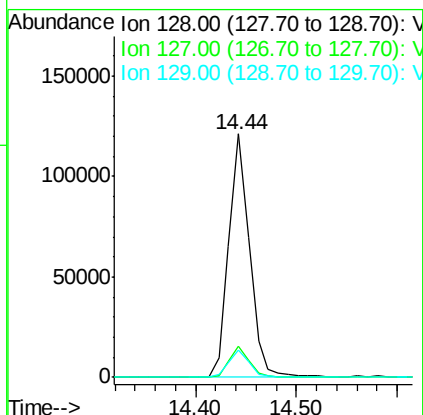
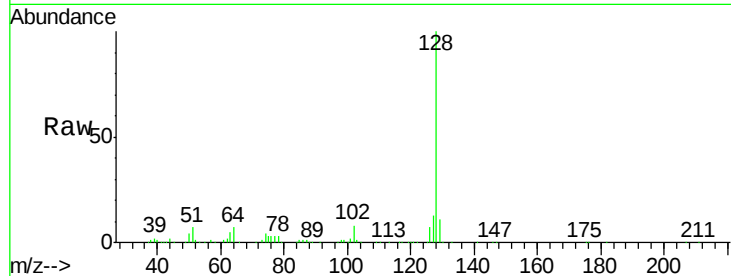




#95
Naphthalene
Concen: 20.031 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Instrument :
MSVOA_F
ClientSampleId :
VF0226SBS01

Tot Ion:128 Resp: 175143
Ion Ratio Lower Upper
128 100
127 12.6 9.8 14.6
129 11.2 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 22.381 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF061744.D
Acq: 26 Feb 2019 16:06

Tgt Ion:180 Resp: 102656
Ion Ratio Lower Upper
180 100
182 96.8 49.0 147.2
145 29.5 15.4 46.1

