

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062186.D
 Acq On : 16 Apr 2019 20:08
 Operator : FY/SY
 Sample : VF0416SBSD01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBSD01

Quant Time: Apr 17 08:09:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	362598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	548928	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	421351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	232576	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	169225	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
35) Dibromofluoromethane	4.31	113	238861	55.16	ug/l	0.00
Spiked Amount			Recovery	=	110.32%	
50) Toluene-d8	7.71	98	606517	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
62) 4-Bromofluorobenzene	11.50	95	233054	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	137200	25.790	ug/l	100
3) Chloromethane	1.15	50	142125	24.824	ug/l	98
4) Vinyl Chloride	1.20	62	129204	25.794	ug/l	99
5) Bromomethane	1.36	94	66359	20.601	ug/l	95
6) Chloroethane	1.44	64	48379	20.398	ug/l	98
7) Trichlorofluoromethane	1.55	101	146729	24.491	ug/l	92
8) Diethyl Ether	1.71	74	28830	23.838	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.91	101	105026	26.841	ug/l	96
10) Methyl Iodide	1.98	142	178930	24.565	ug/l	98
11) Tert butyl alcohol	2.68	59	23211	128.245	ug/l #	89
12) 1,1-Dichloroethene	1.88	96	99194	24.926	ug/l	97
13) Acrolein	2.10	56	20575	144.316	ug/l	92
14) Allyl chloride	2.20	41	169370	28.266	ug/l	96
15) Acrylonitrile	3.09	53	86716	128.944	ug/l	95
16) Acetone	2.35	43	79025	107.342	ug/l	96
17) Carbon Disulfide	1.91	76	277967	24.658	ug/l	99
18) Methyl Acetate	2.47	43	41155	22.812	ug/l	95
19) Methyl tert-butyl Ether	2.55	73	171783	25.952	ug/l	95
20) Methylene Chloride	2.34	84	67137	15.156	ug/l	94
21) trans-1,2-Dichloroethene	2.43	96	96761	25.413	ug/l	95
22) Diisopropyl ether	2.94	45	280754	25.206	ug/l	99
23) Vinyl Acetate	3.35	43	635654	114.409	ug/l	98
24) 1,1-Dichloroethane	3.02	63	157669	25.420	ug/l	99
25) 2-Butanone	4.53	43	162949	103.039	ug/l	100
26) 2,2-Dichloropropane	3.78	77	85319	26.152	ug/l	97
27) cis-1,2-Dichloroethene	3.65	96	120226	23.787	ug/l	93
28) Bromochloromethane	3.91	49	71720	24.147	ug/l	92
29) Tetrahydrofuran	4.27	42	77853	110.685	ug/l	98
30) Chloroform	4.05	83	183880	23.845	ug/l	93
31) Cyclohexane	3.88	56	187900	23.448	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	139829	26.592	ug/l	98
36) 1,1-Dichloropropene	4.48	75	142160	23.309	ug/l	99
37) Ethyl Acetate	4.30	43	62659	22.296	ug/l #	77
38) Carbon Tetrachloride	4.19	117	160065	30.491	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	172689	22.594	ug/l	96
40) Benzene	4.82	78	383393	23.798	ug/l	100
41) Methacrylonitrile	4.93	41	38820	22.990	ug/l	98
42) 1,2-Dichloroethane	5.13	62	92110	22.590	ug/l	98
43) Isopropyl Acetate	7.12	43	66527	20.490	ug/l #	98
44) Trichloroethene	5.69	130	97492	22.609	ug/l	96
45) 1,2-Dichloropropane	6.41	63	85534	21.642	ug/l	96
46) Dibromomethane	6.26	93	50729	21.286	ug/l	89
47) Bromodichloromethane	6.56	83	119651	22.161	ug/l	96
48) Methyl methacrylate	6.87	41	41727	19.628	ug/l	96
49) 1,4-Dioxane	6.87	88	8232	496.915	ug/l #	78
51) 4-Methyl-2-Pentanone	8.40	43	260515	104.121	ug/l	98
52) Toluene	7.78	92	200108	21.144	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	86912	18.584	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	126543	21.279	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	50150	18.501	ug/l	97
56) Ethyl methacrylate	8.76	69	64932	20.145	ug/l	93
57) 1,3-Dichloropropane	8.99	76	85865	19.268	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	80780	97.272	ug/l	100
59) 2-Hexanone	9.62	43	167103	105.087	ug/l	94
60) Dibromochloromethane	8.86	129	76669	20.557	ug/l	95
61) 1,2-Dibromoethane	9.13	107	55859	19.262	ug/l	98
64) Tetrachloroethene	8.30	164	79067	22.975	ug/l	96
65) Chlorobenzene	9.93	112	194785	22.223	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	92481	25.557	ug/l	95
67) Ethyl Benzene	10.03	91	364719	22.447	ug/l	96
68) m/p-Xylenes	10.26	106	262293	43.854	ug/l	85
69) o-Xylene	10.82	106	150381	23.223	ug/l	85
70) Styrene	10.89	104	211387	22.446	ug/l	98
71) Bromoform	10.88	173	43460	22.933	ug/l #	94
73) Isopropylbenzene	11.21	105	443763	22.148	ug/l	98
74) N-amyl acetate	11.45	43	117247	23.310	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	70670	19.800	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	50168	20.726	ug/l	99
77) Bromobenzene	11.58	156	85641	20.552	ug/l	98
78) n-propylbenzene	11.67	91	477684	20.974	ug/l	95
79) 2-Chlorotoluene	11.79	91	286569	21.346	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	373884	22.374	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	31648	26.142	ug/l	95
82) 4-Chlorotoluene	11.97	91	274921	20.897	ug/l	99
83) tert-Butylbenzene	12.20	119	381888	23.014	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	361025	22.261	ug/l	96
85) sec-Butylbenzene	12.36	105	501238	22.972	ug/l	98
86) p-Isopropyltoluene	12.52	119	430275	23.147	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	170793	22.403	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	161558	21.735	ug/l	96
89) n-Butylbenzene	12.90	91	421741	21.504	ug/l	94
90) Hexachloroethane	12.98	117	106660	23.424	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	160692	21.963	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.69	75	13520	21.032	ug/l	94

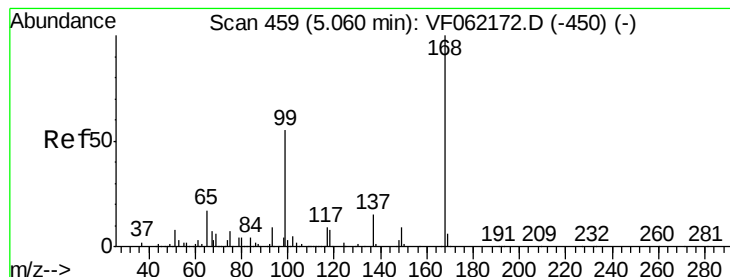
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041619\
Data File : VF062186.D
Acq On : 16 Apr 2019 20:08
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MSVOA_F
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 07:56:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	132822	24.172	ug/l	99
94) Hexachlorobutadiene	14.23	225	90629	25.308	ug/l	99
95) Naphthalene	14.49	128	233542	24.327	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	129142	25.226	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

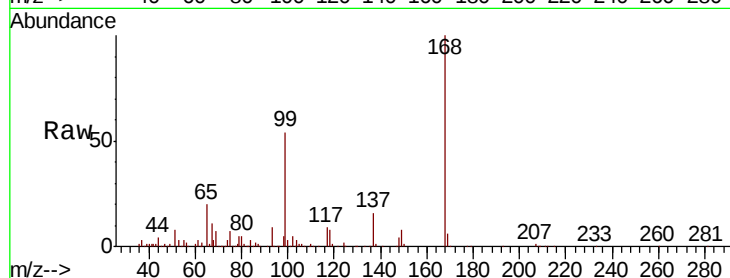
VF0416SBS01

Tot Ion:168 Resp: 362598

Ion Ratio Lower Upper

168 100

99 53.6 44.2 66.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

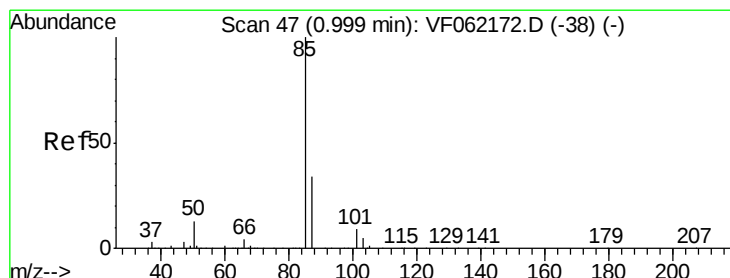
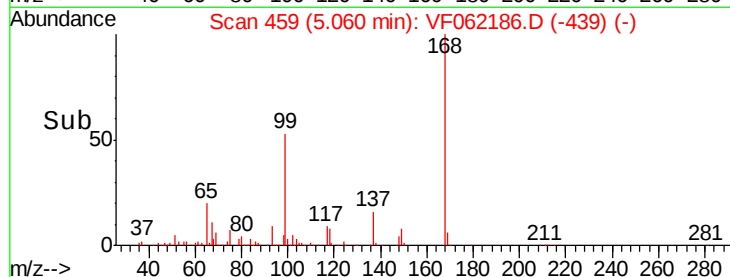
5.06

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 25.790 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062186.D

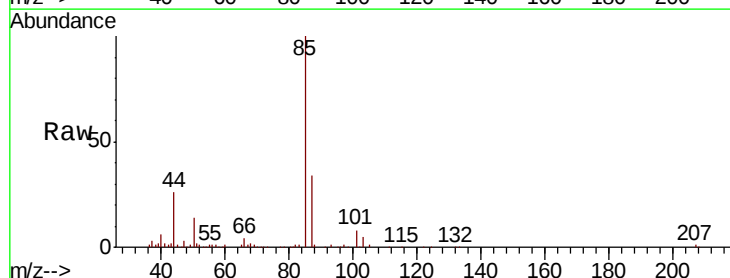
Acq: 16 Apr 2019 20:08

Tgt Ion: 85 Resp: 137200

Ion Ratio Lower Upper

85 100

87 33.9 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

40000

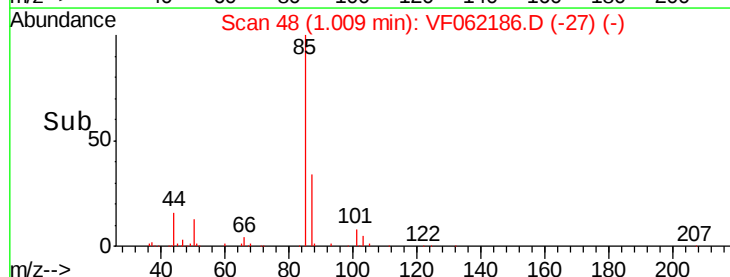
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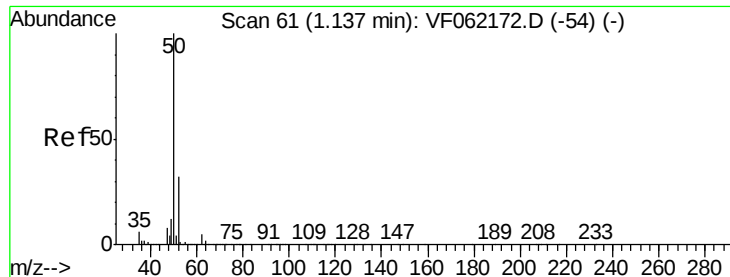
20000

10000

0

Time-->





#3

Chloromethane

Concen: 24.824 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.01 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

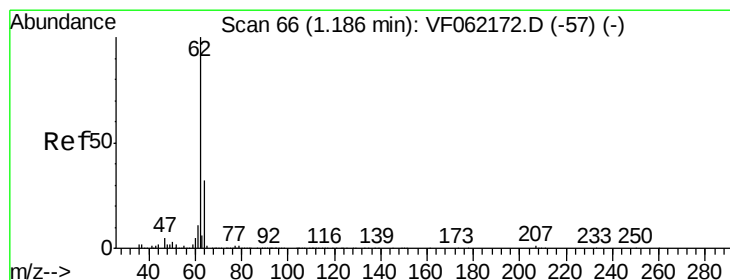
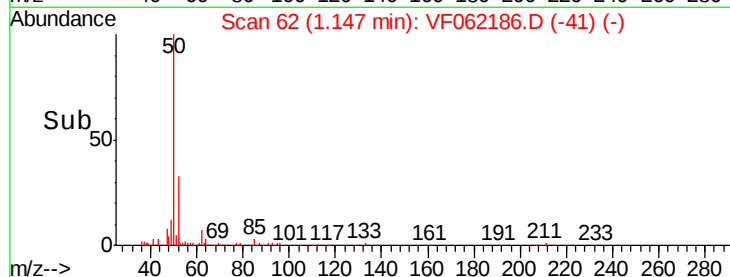
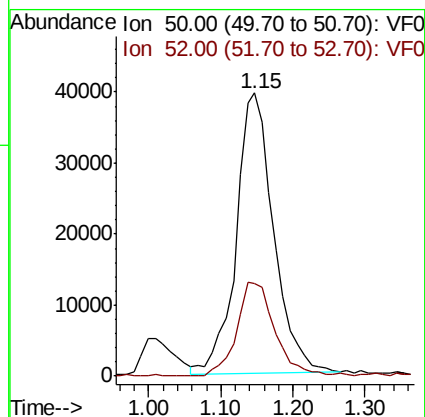
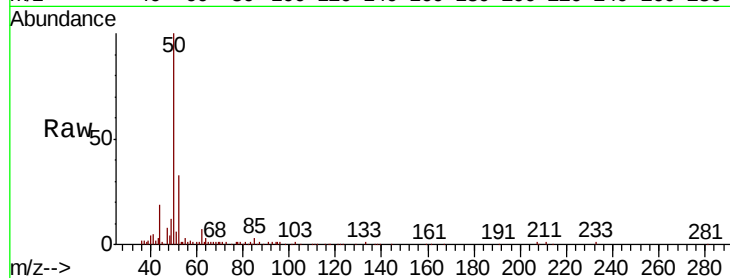
VF0416SBS01

Tot Ion: 50 Resp: 142125

Ion Ratio Lower Upper

50 100

52 32.9 25.4 38.2



#4

Vinyl Chloride

Concen: 25.794 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062186.D

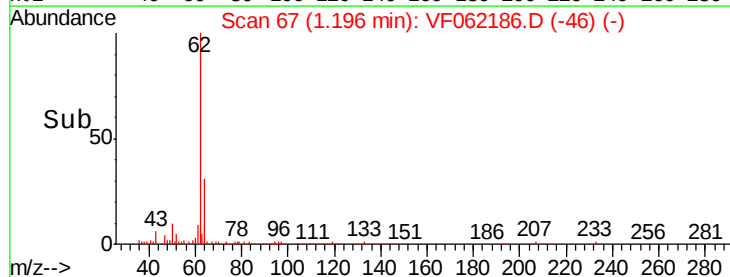
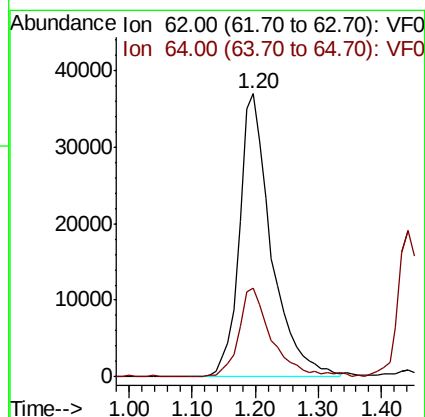
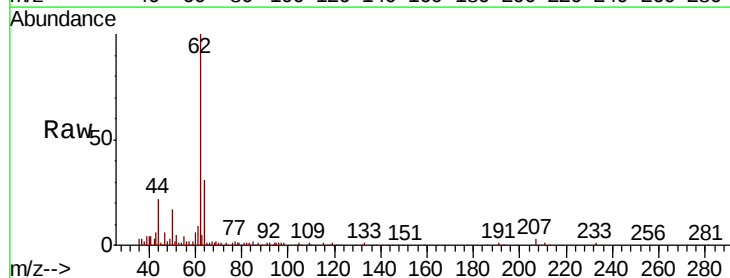
Acq: 16 Apr 2019 20:08

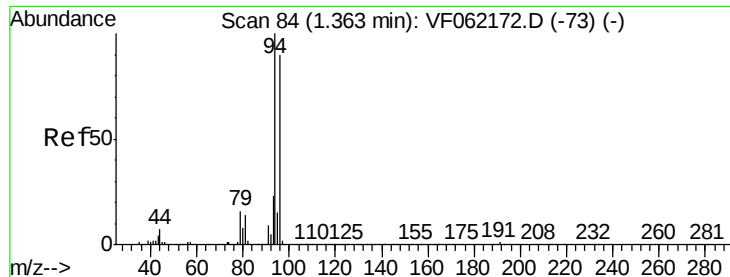
Tgt Ion: 62 Resp: 129204

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 20.601 ug/l

RT: 1.36 min Scan# 84

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

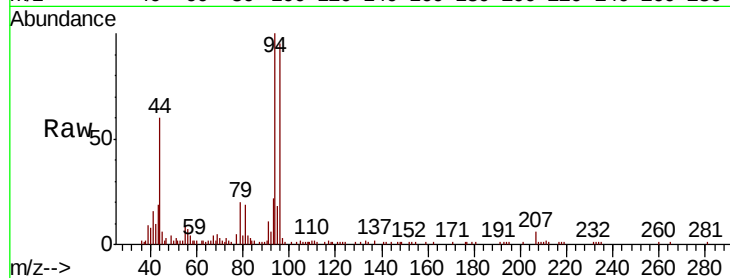
VF0416SBS01

Tot Ion: 94 Resp: 66359

Ion Ratio Lower Upper

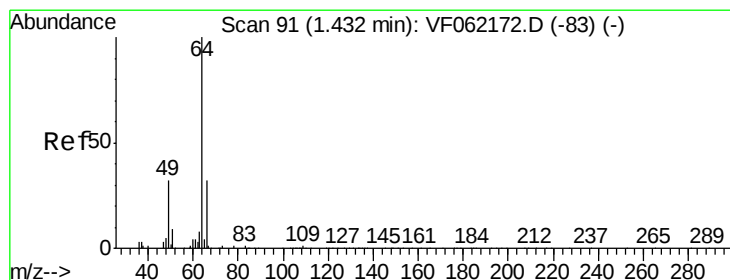
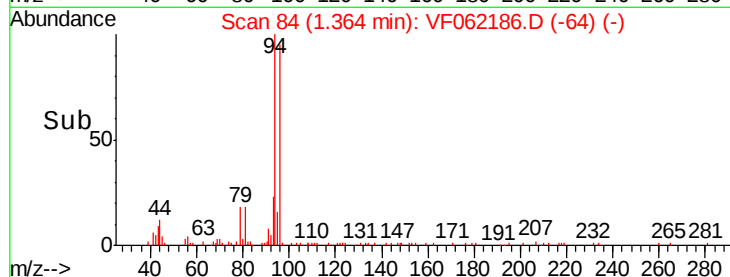
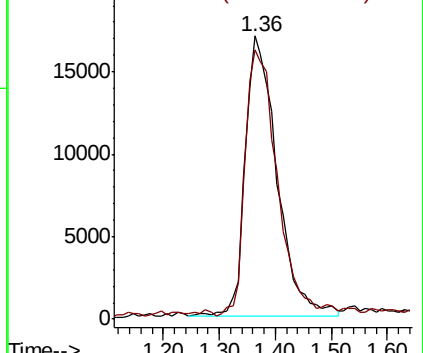
94 100

96 95.1 72.3 108.5



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 20.398 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF062186.D

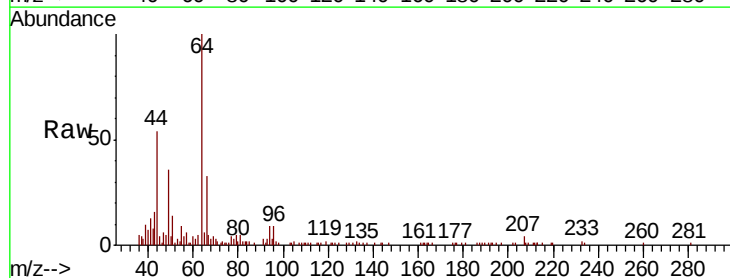
Acq: 16 Apr 2019 20:08

Tgt Ion: 64 Resp: 48379

Ion Ratio Lower Upper

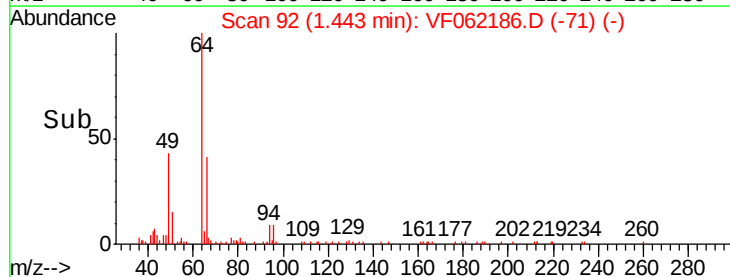
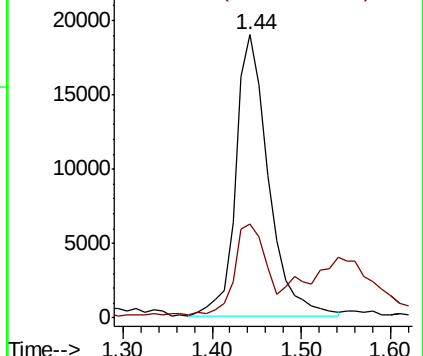
64 100

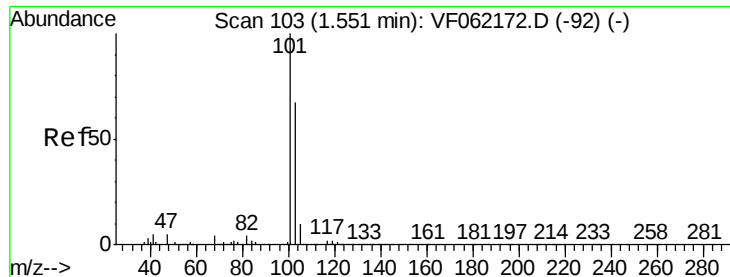
66 33.1 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



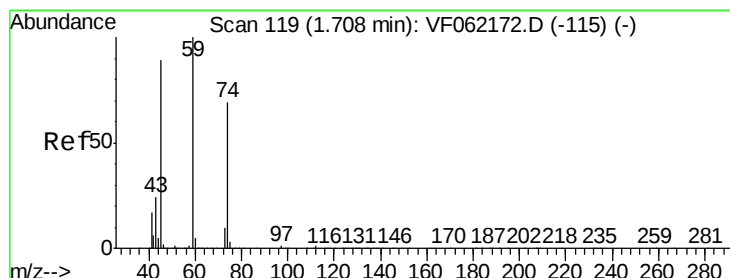
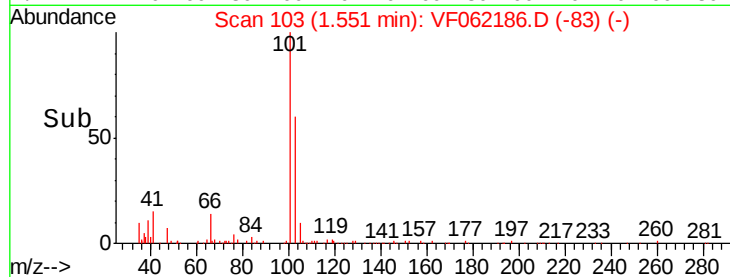
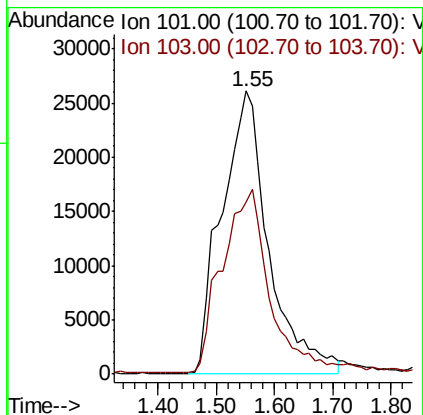
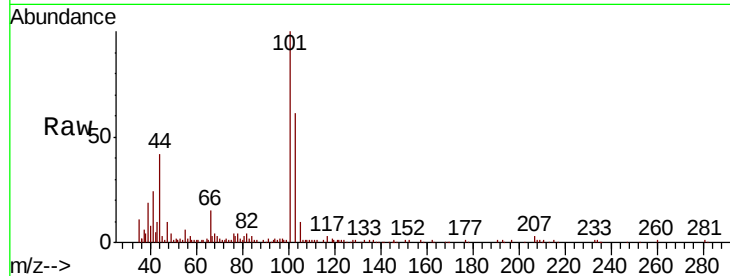


#7

Trichlorofluoromethane
 Concen: 24.491 ug/l
 RT: 1.55 min Scan# 103
 Delta R.T. 0.00 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

Instrument :
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 ClientSampleId :
 VF0416SBS01

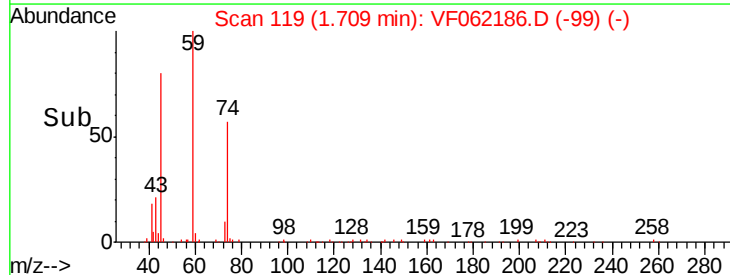
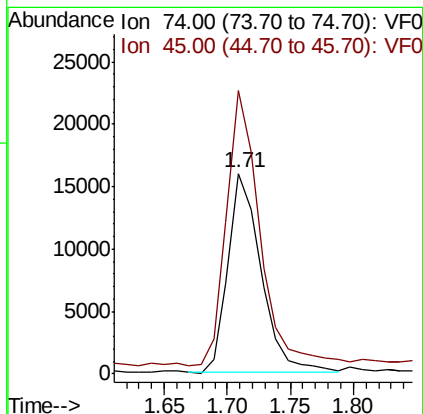
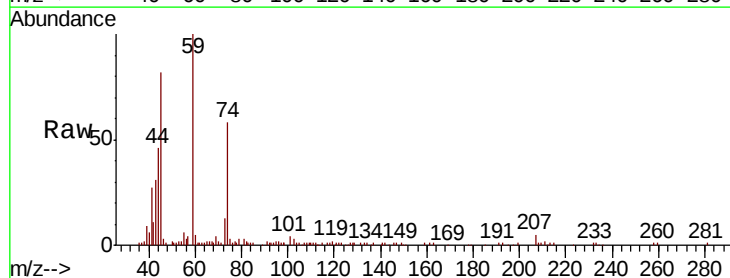
Tot Ion:101 Resp: 146729
 Ion Ratio Lower Upper
 101 100
 103 60.6 53.7 80.5

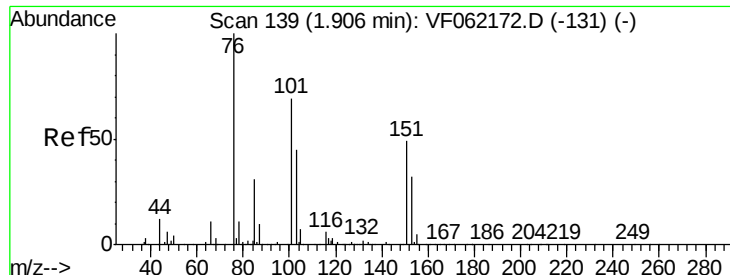


#8

Diethyl Ether
 Concen: 23.838 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

Tgt Ion: 74 Resp: 28830
 Ion Ratio Lower Upper
 74 100
 45 141.0 64.7 194.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.841 ug/l

RT: 1.91 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

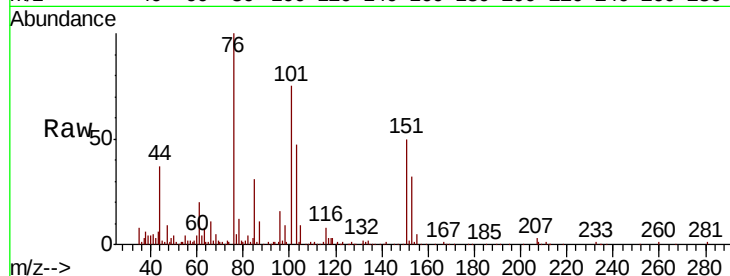
Tot Ion:101 Resp: 105026

Ion Ratio Lower Upper

101 100

85 41.7 35.2 52.8

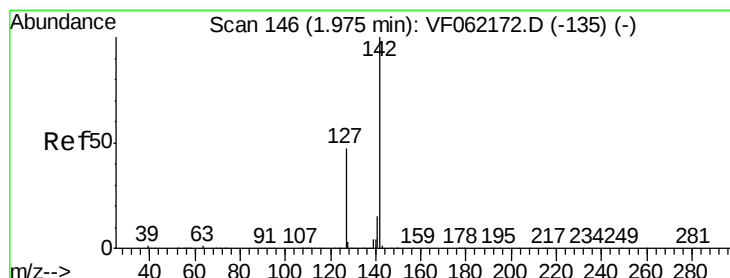
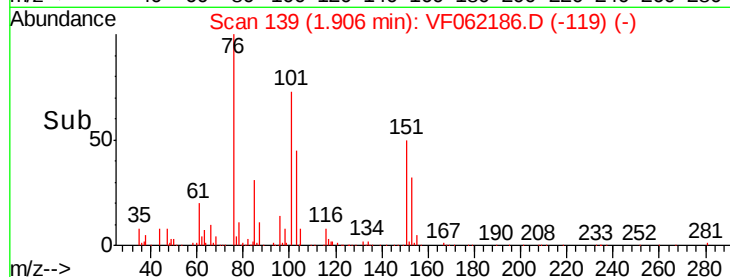
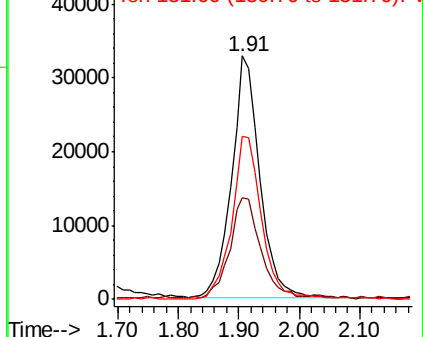
151 66.9 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 24.565 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

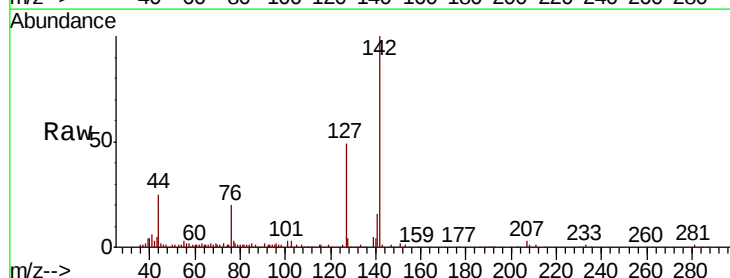
Tgt Ion:142 Resp: 178930

Ion Ratio Lower Upper

142 100

127 48.7 37.8 56.6

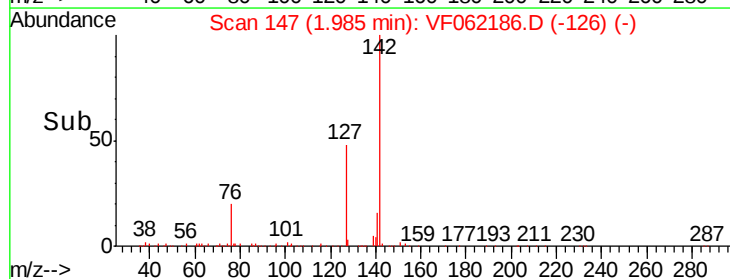
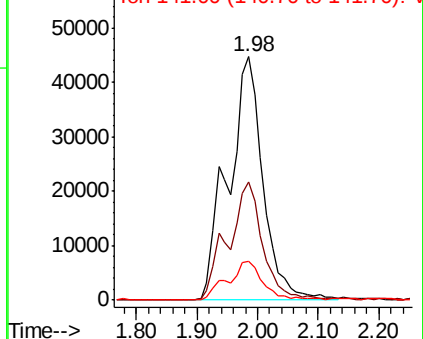
141 16.2 12.1 18.1

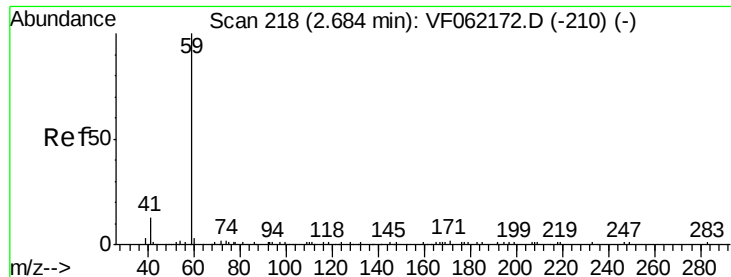


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



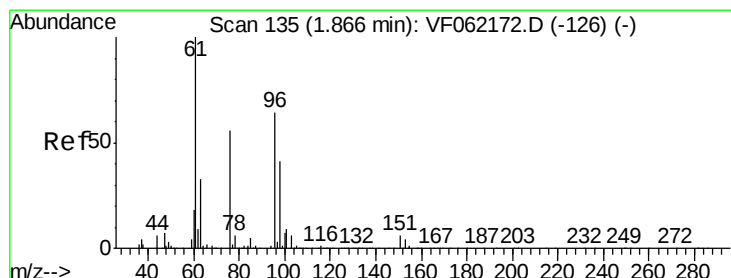
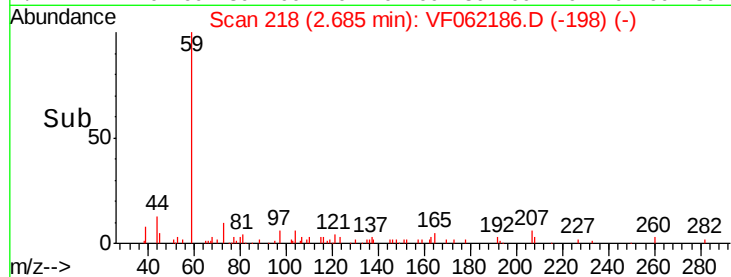
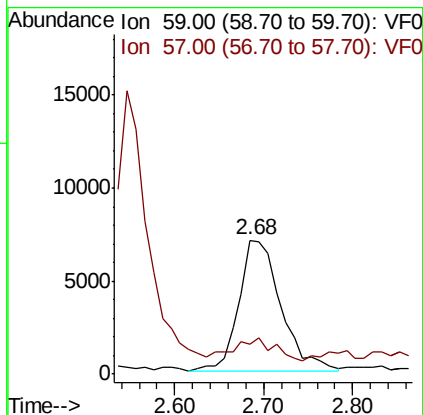
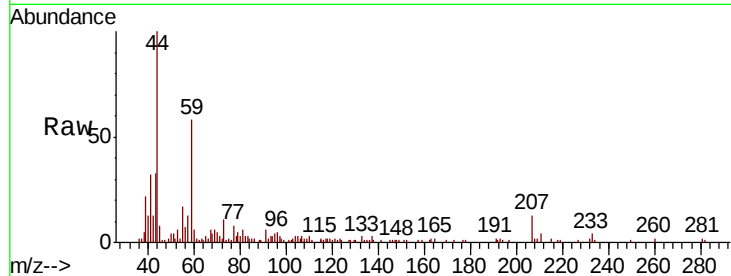


#11

Tert butyl alcohol
Concen: 128.245 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

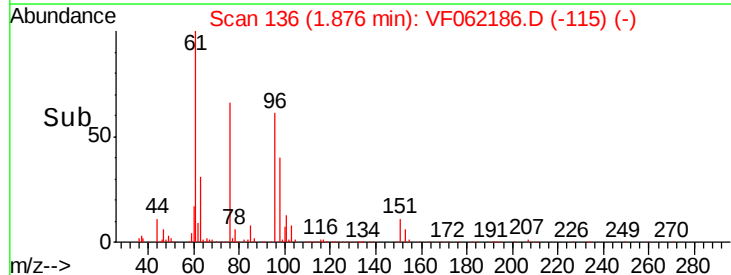
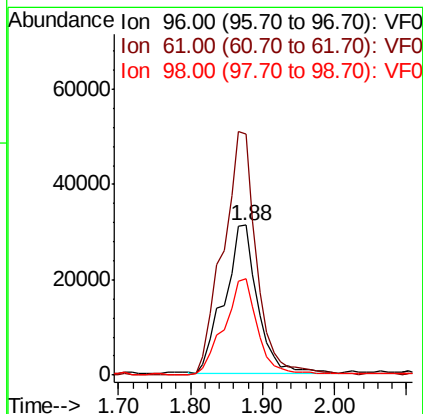
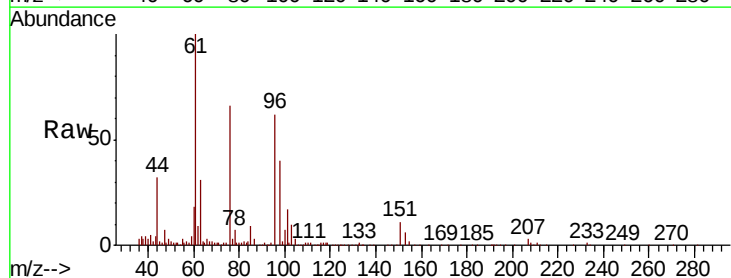
Tot Ion: 59 Resp: 23211
Ion Ratio Lower Upper
59 100
57 22.8 14.2 21.4#

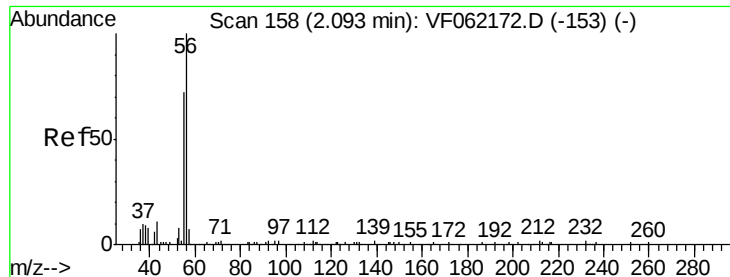


#12

1,1-Dichloroethene
Concen: 24.926 ug/l
RT: 1.88 min Scan# 136
Delta R.T. 0.01 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Tgt Ion: 96 Resp: 99194
Ion Ratio Lower Upper
96 100
61 161.0 124.6 187.0
98 64.4 51.5 77.3





#13

Acrolein

Concen: 144.316 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

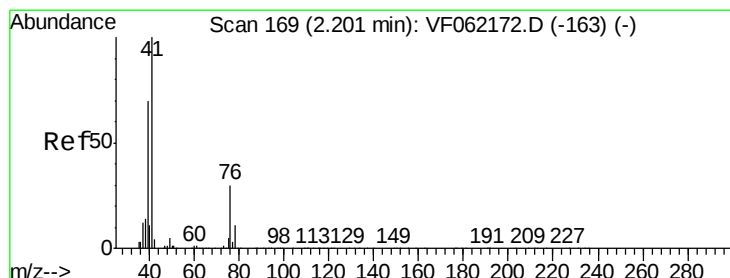
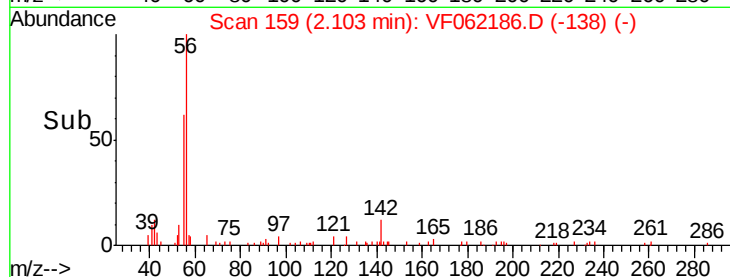
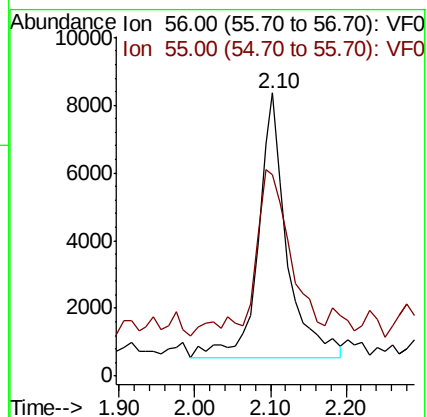
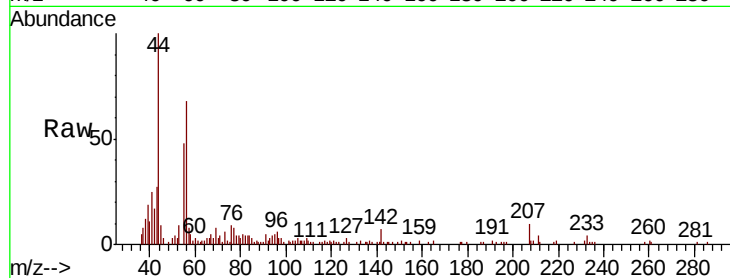
VF0416SBS01

Tot Ion: 56 Resp: 20575

Ion Ratio Lower Upper

56 100

55 71.2 62.9 94.3



#14

Allyl chloride

Concen: 28.266 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

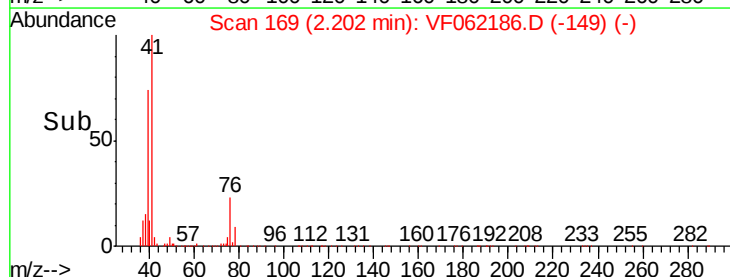
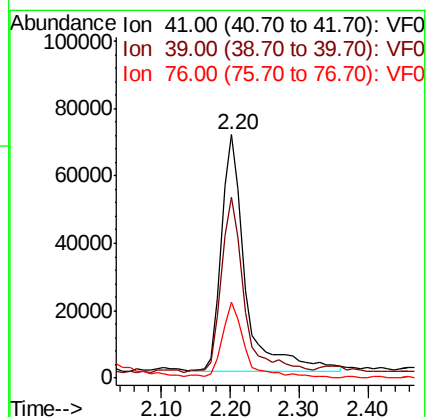
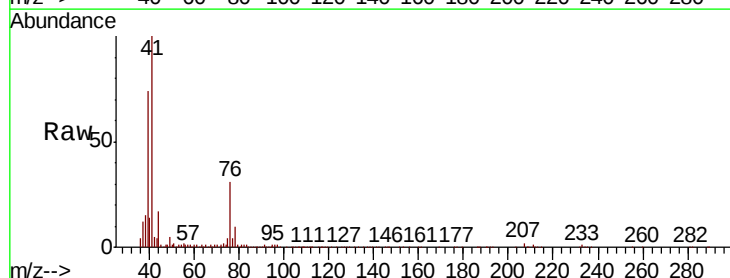
Tgt Ion: 41 Resp: 169370

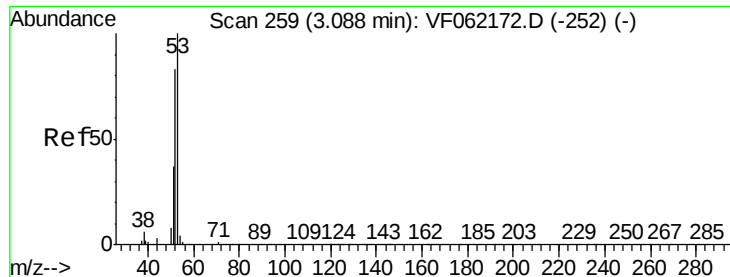
Ion Ratio Lower Upper

41 100

39 74.3 56.1 84.1

76 31.1 24.9 37.3

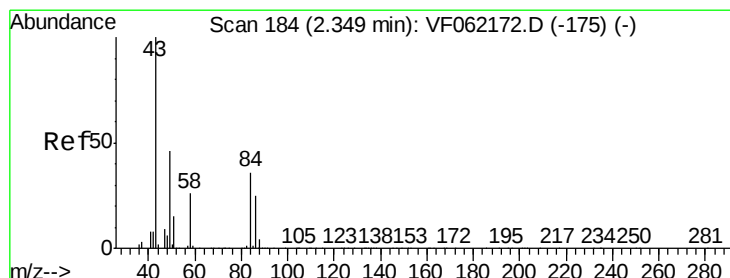
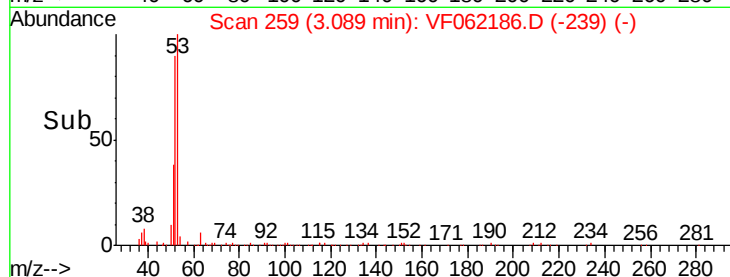
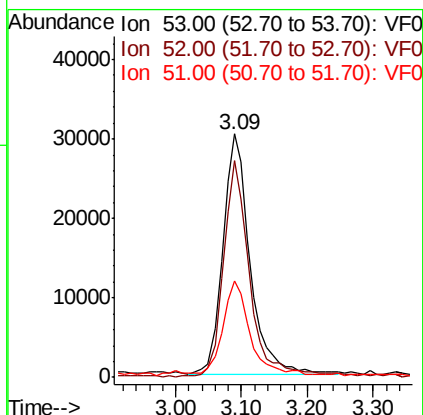
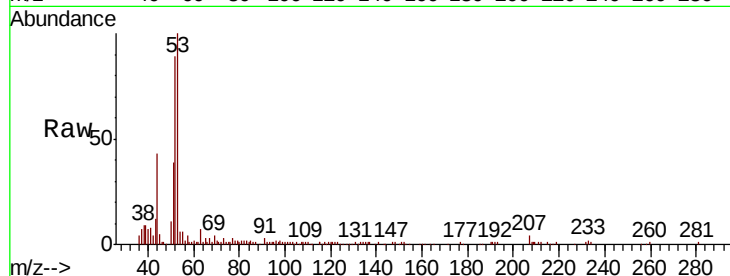




#15
 Acrylonitrile
 Concen: 128.944 ug/l
 RT: 3.09 min Scan# 259
 Delta R.T. 0.00 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

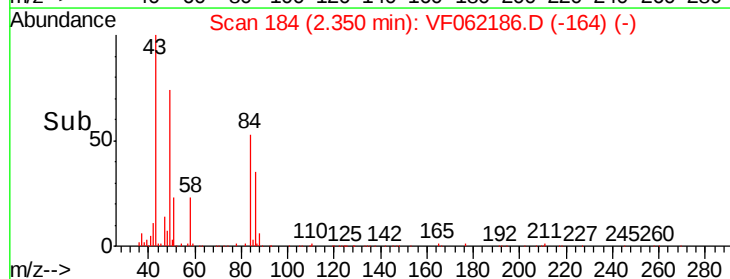
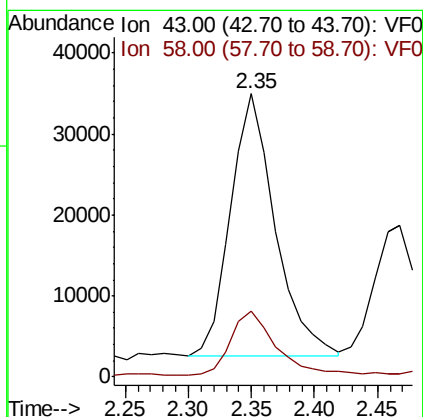
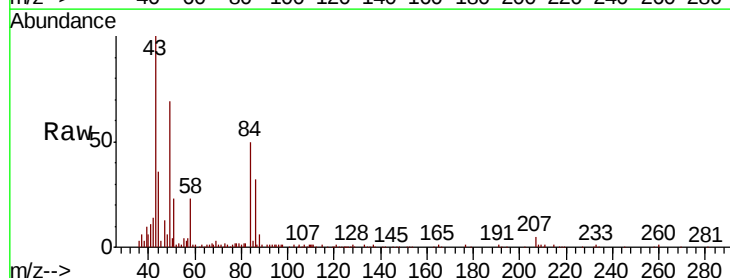
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

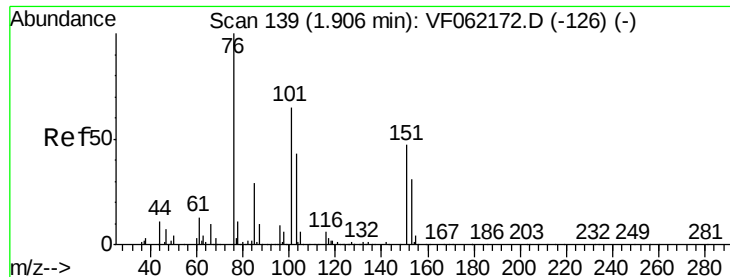
Tot Ion:	53	Resp:	86716
Ion	Ratio	Lower	Upper
53	100		
52	88.9	66.6	99.8
51	39.5	30.1	45.1



#16
 Acetone
 Concen: 107.342 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

Tgt Ion:	43	Resp:	79025
Ion	Ratio	Lower	Upper
43	100		
58	23.2	20.2	30.2

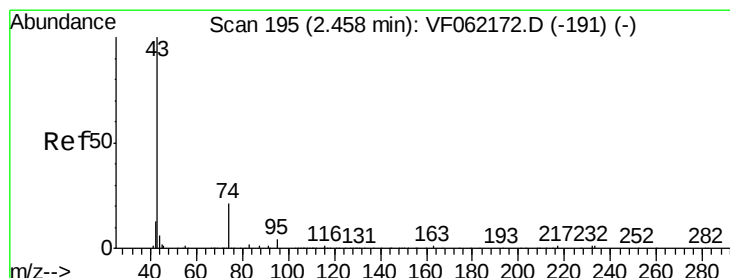
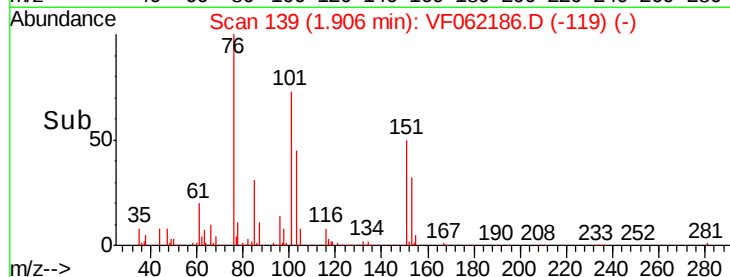
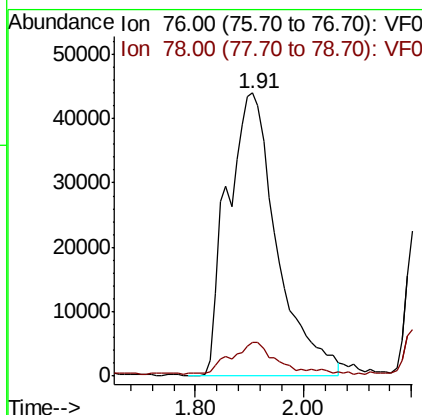
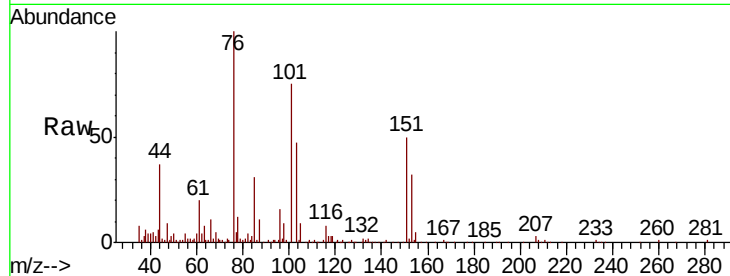




#17
Carbon Disulfide
Concen: 24.658 ug/l
RT: 1.91 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

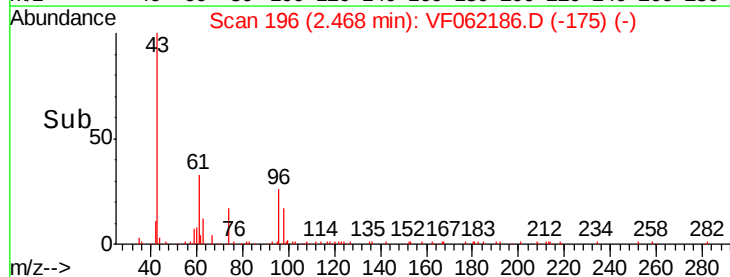
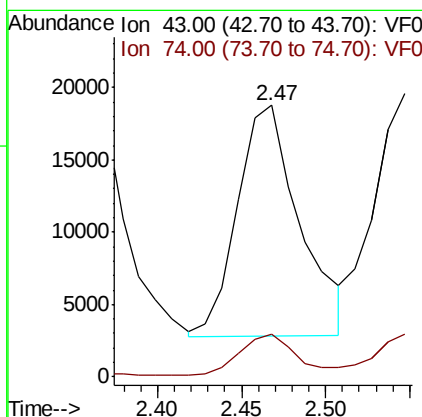
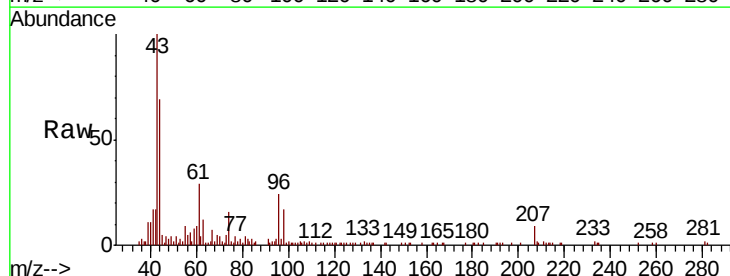
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

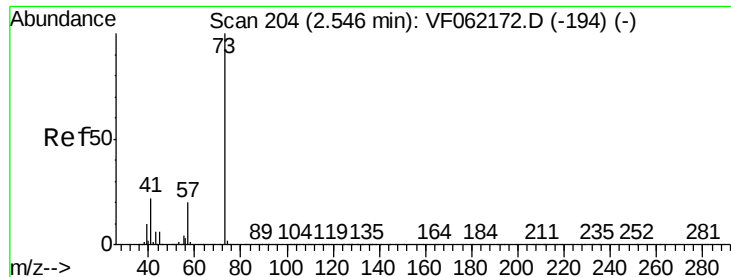
Tot Ion: 76 Resp: 277967
Ion Ratio Lower Upper
76 100
78 11.9 9.1 13.7



#18
Methyl Acetate
Concen: 22.812 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Tgt Ion: 43 Resp: 41155
Ion Ratio Lower Upper
43 100
74 15.7 14.2 21.4



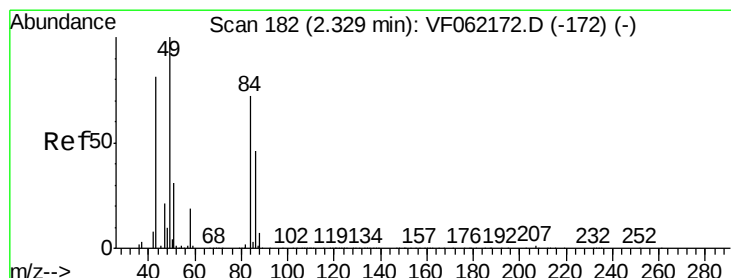
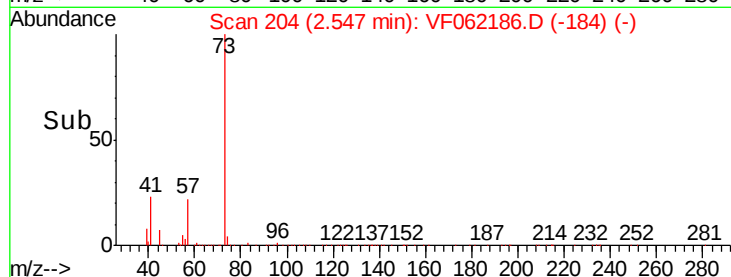
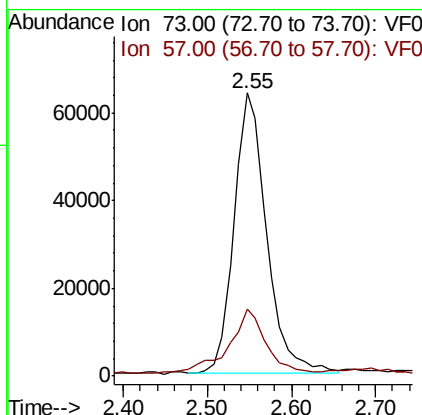
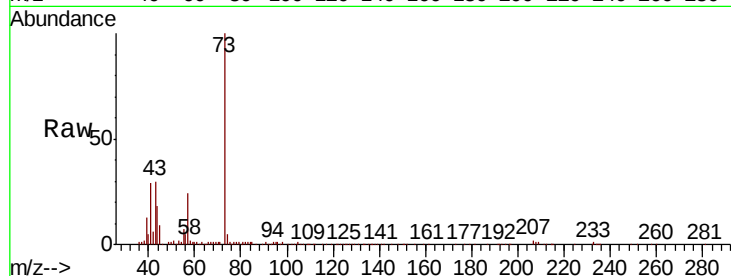


#19

Methyl tert-butyl Ether
 Concen: 25.952 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

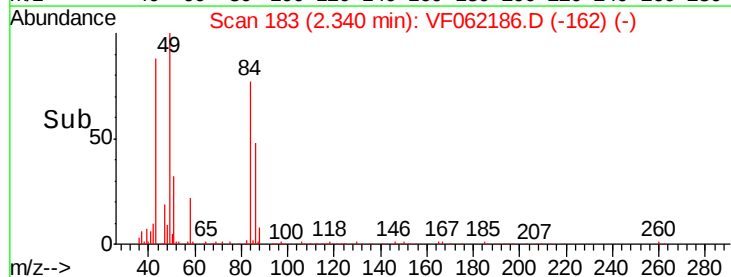
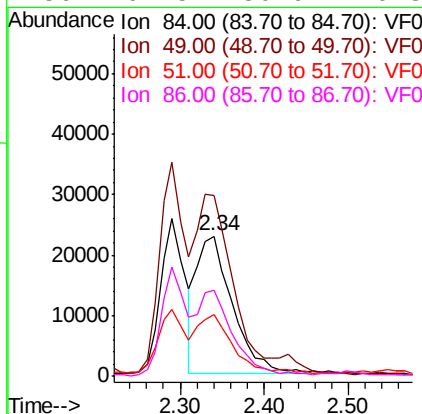
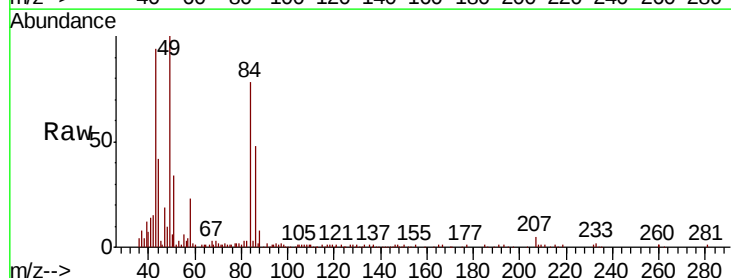
Tot Ion: 73 Resp: 171783
 Ion Ratio Lower Upper
 73 100
 57 23.6 16.8 25.2

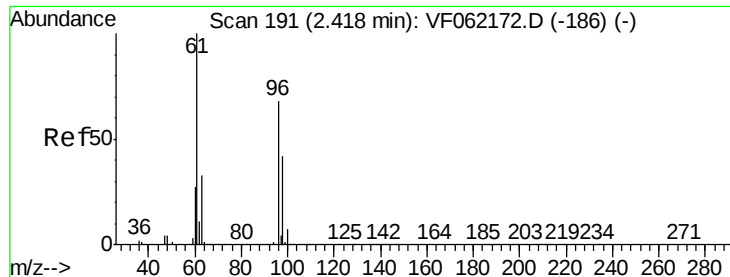


#20

Methylene Chloride
 Concen: 15.156 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

Tgt Ion: 84 Resp: 67137
 Ion Ratio Lower Upper
 84 100
 49 128.5 111.5 167.3
 51 44.1 34.9 52.3
 86 61.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 25.413 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

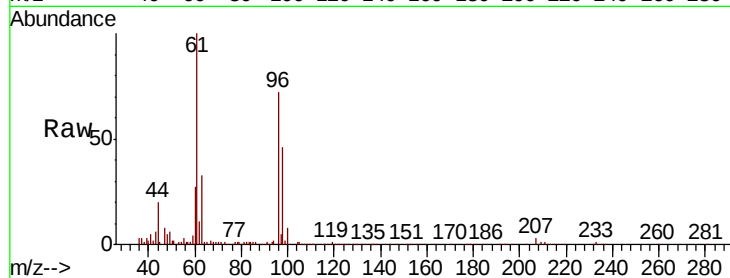
Tot Ion: 96 Resp: 96761

Ion Ratio Lower Upper

96 100

61 139.2 117.4 176.2

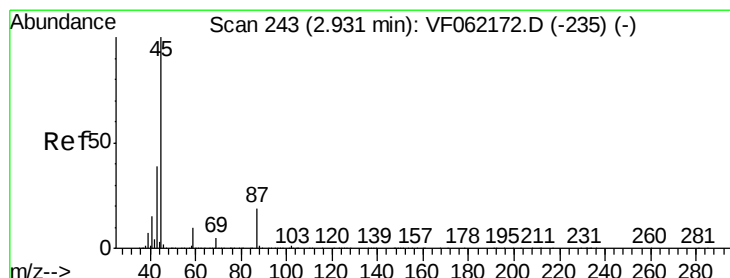
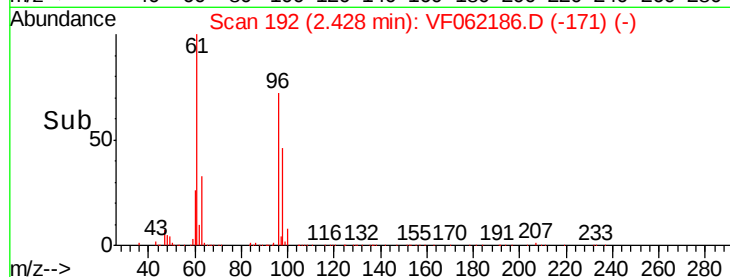
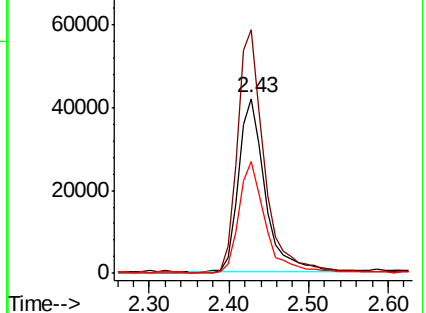
98 64.3 49.8 74.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 25.206 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.01 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Tgt Ion: 45 Resp: 280754

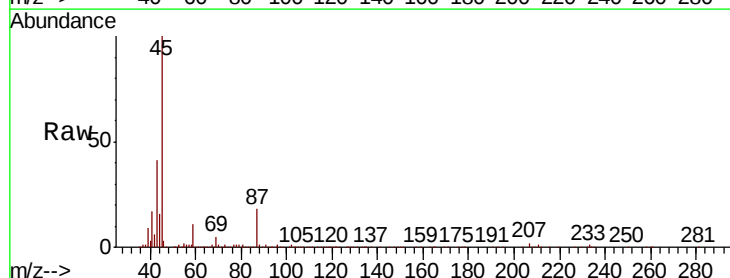
Ion Ratio Lower Upper

45 100

43 41.3 32.5 48.7

87 17.9 14.9 22.3

59 10.7 7.8 11.8

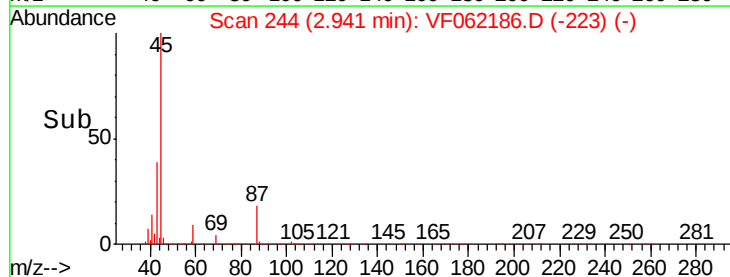
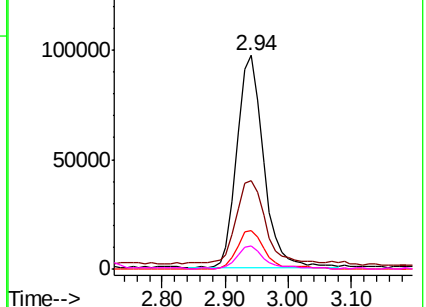


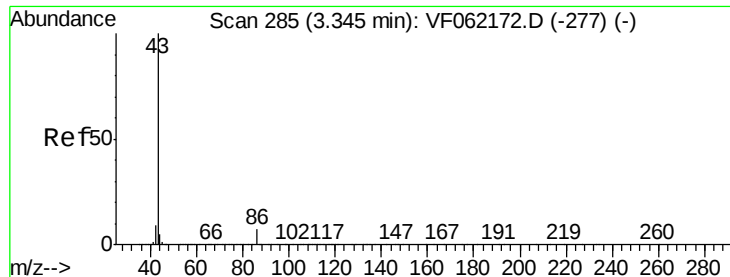
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 114.409 ug/l

RT: 3.35 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

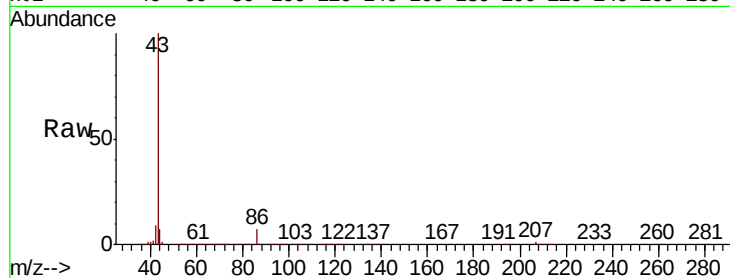
VF0416SBS01

Tot Ion: 43 Resp: 635654

Ion Ratio Lower Upper

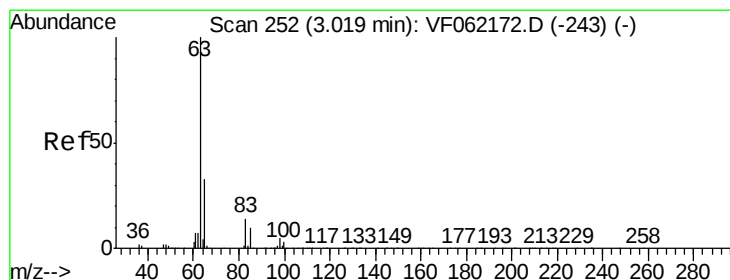
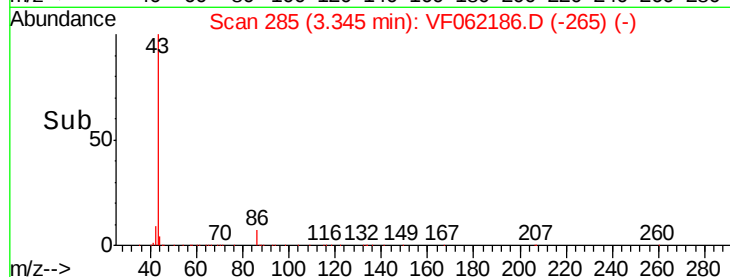
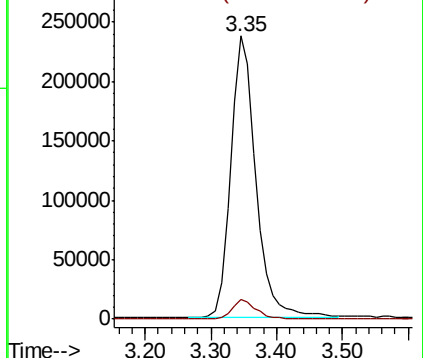
43 100

86 6.9 5.9 8.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 25.420 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

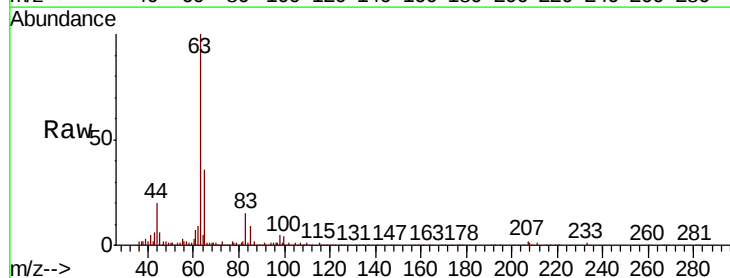
Tgt Ion: 63 Resp: 157669

Ion Ratio Lower Upper

63 100

98 5.4 2.6 8.0

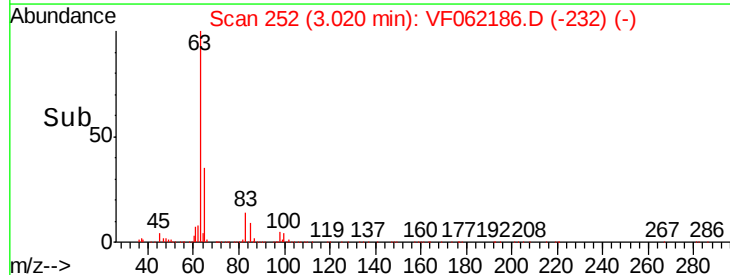
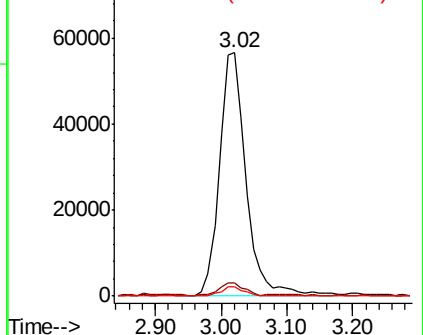
100 3.7 1.7 5.1

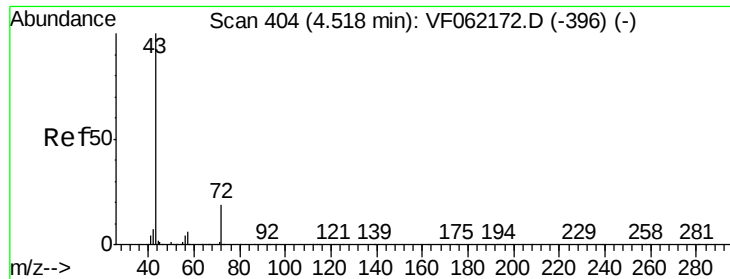


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 103.039 ug/l

RT: 4.53 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

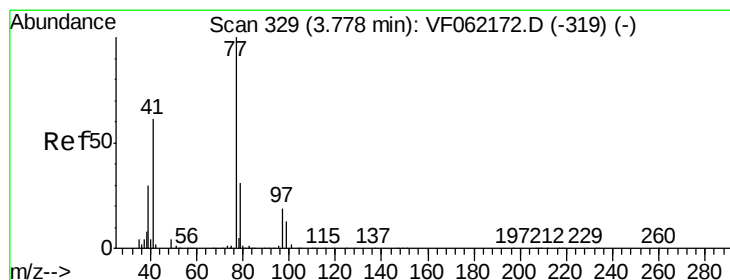
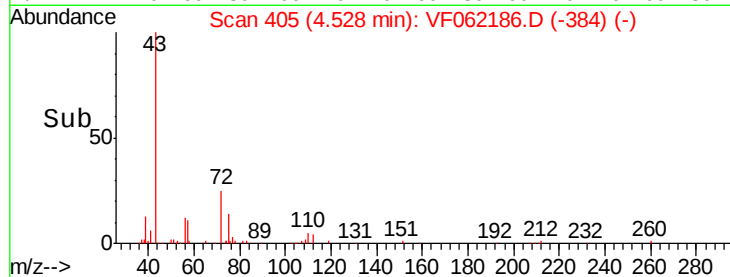
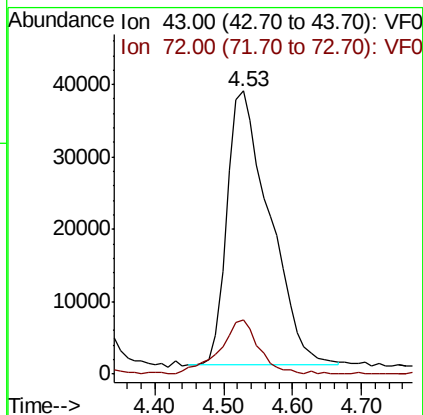
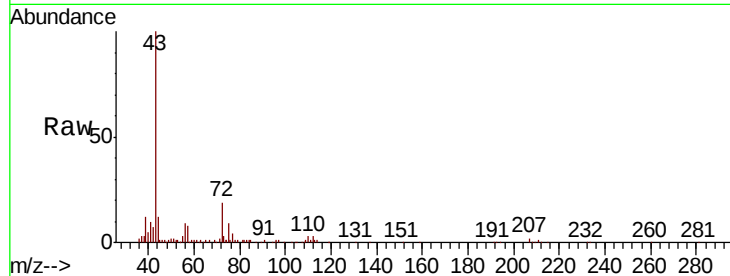
VF0416SBS01

Tot Ion: 43 Resp: 162949

Ion Ratio Lower Upper

43 100

72 19.1 15.4 23.2



#26

2,2-Dichloropropane

Concen: 26.152 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF062186.D

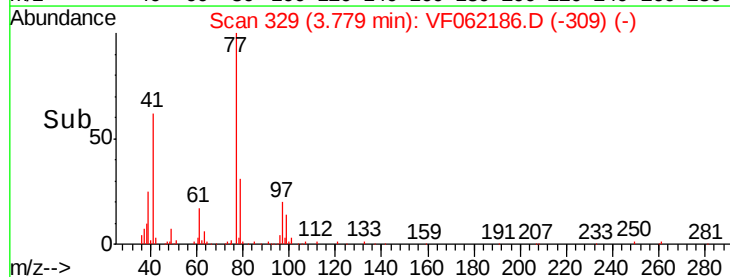
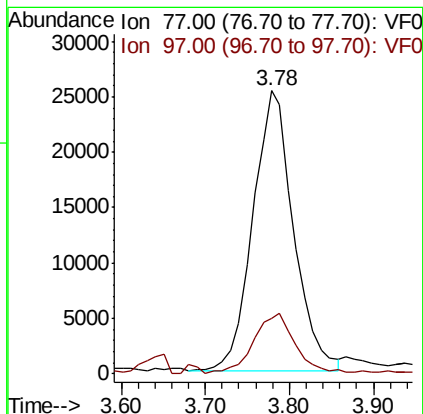
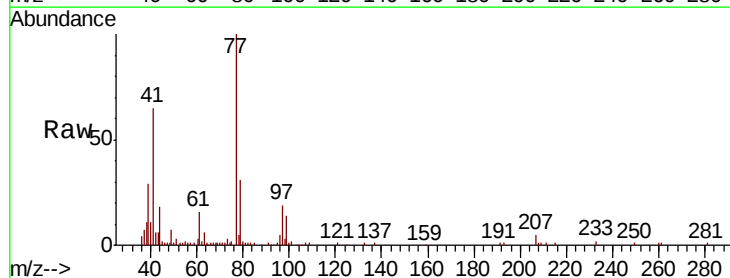
Acq: 16 Apr 2019 20:08

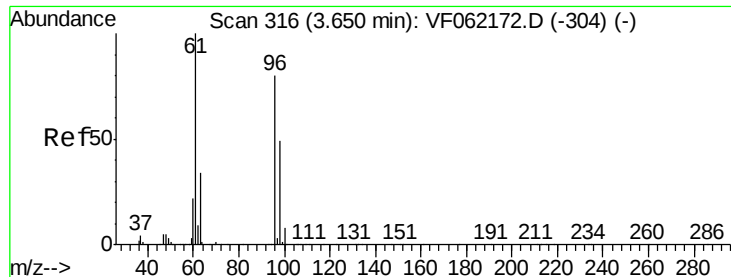
Tgt Ion: 77 Resp: 85319

Ion Ratio Lower Upper

77 100

97 19.4 10.3 30.9



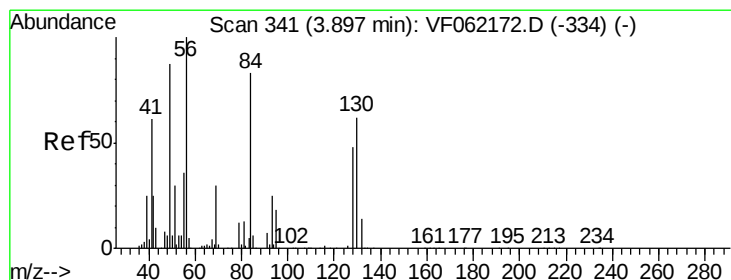
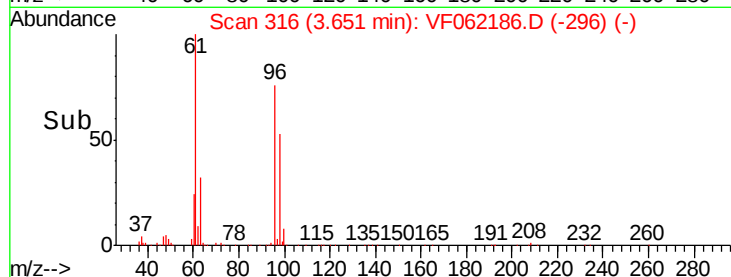
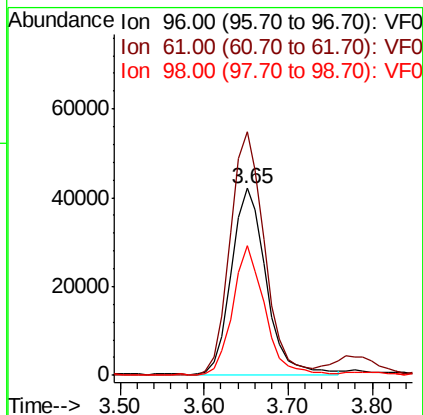
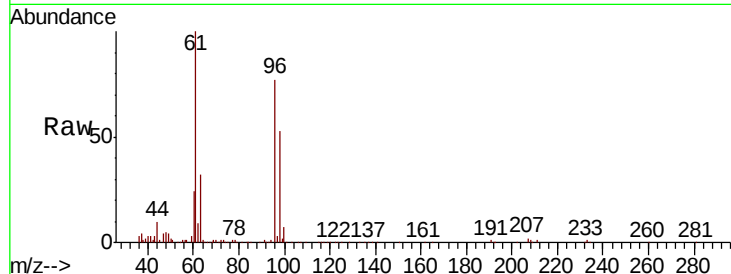


#27

cis-1,2-Dichloroethene
Concen: 23.787 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

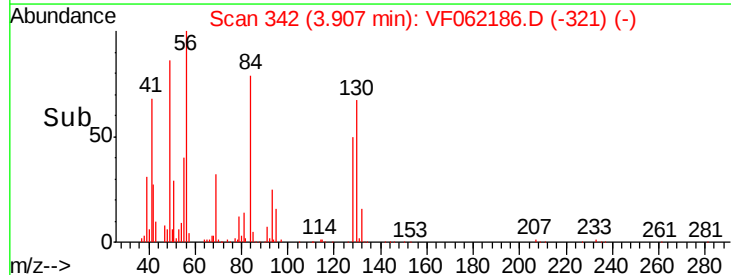
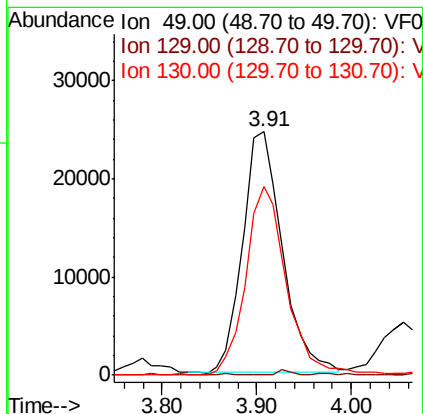
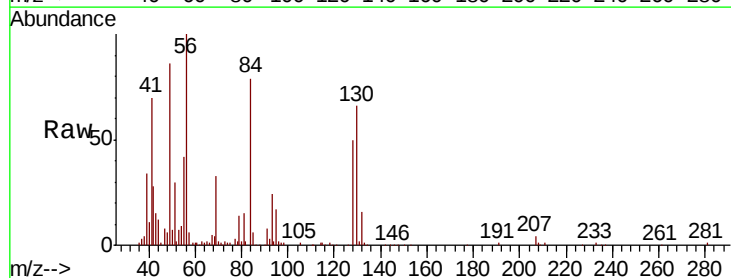
Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	0.0	248.2
98	69.2	0.0	122.4

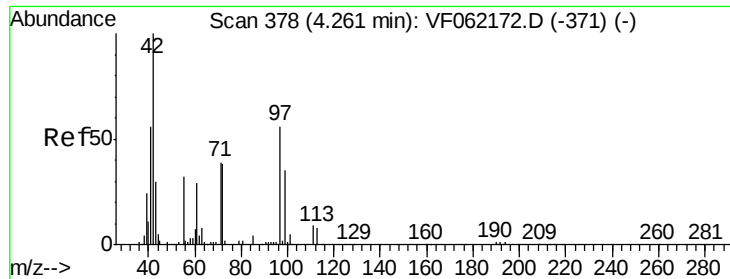


#28

Bromochloromethane
Concen: 24.147 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	77.3	56.5	84.7

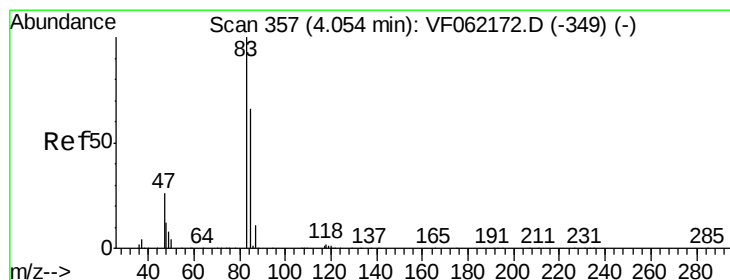
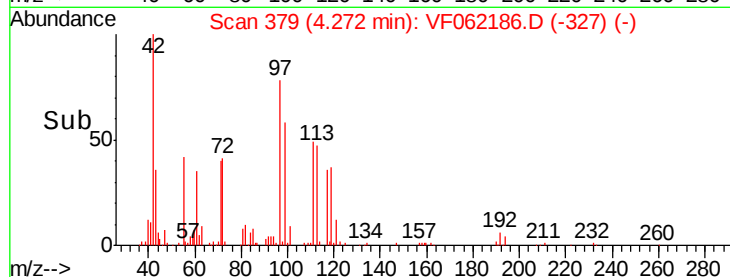
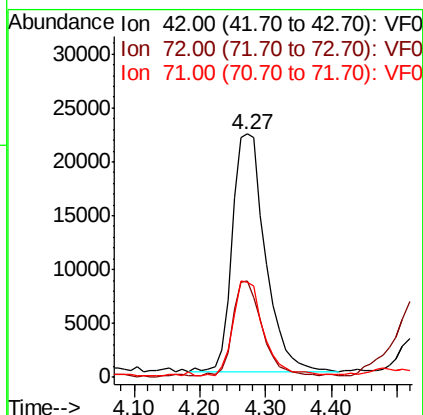
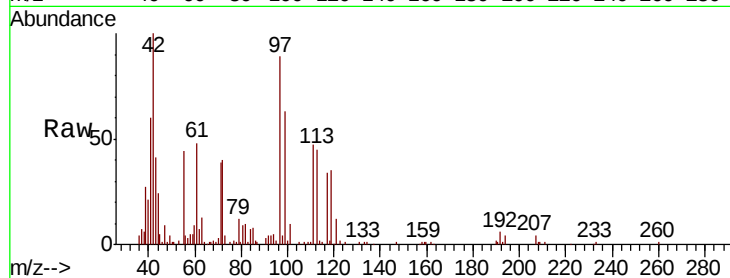




#29
Tetrahydrofuran
Concen: 110.685 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

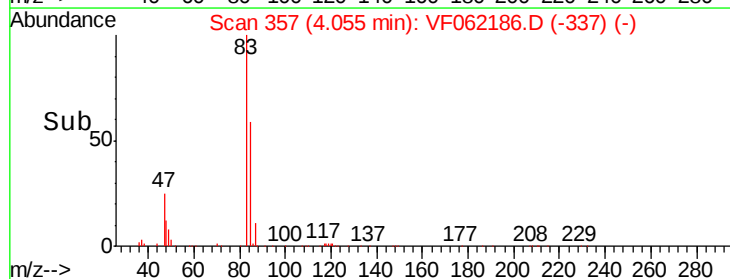
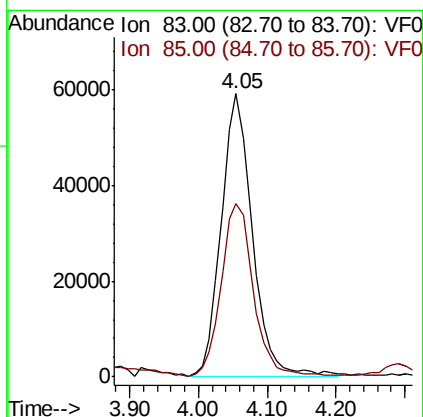
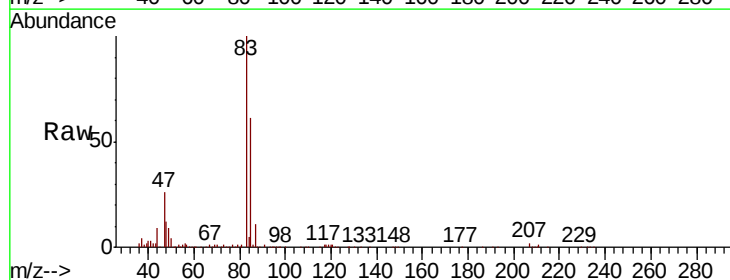
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

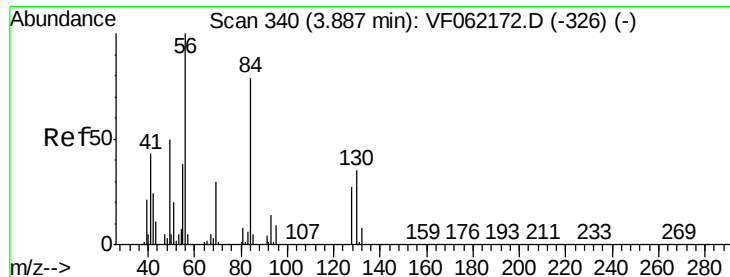
Tot Ion: 42 Resp: 77853
Ion Ratio Lower Upper
42 100
72 37.5 28.7 43.1
71 39.0 30.8 46.2



#30
Chloroform
Concen: 23.845 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Tgt Ion: 83 Resp: 183880
Ion Ratio Lower Upper
83 100
85 61.1 53.5 80.3

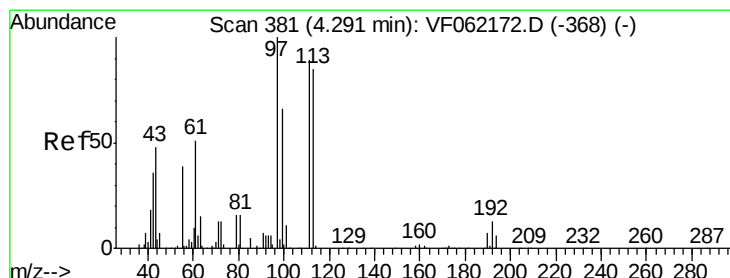
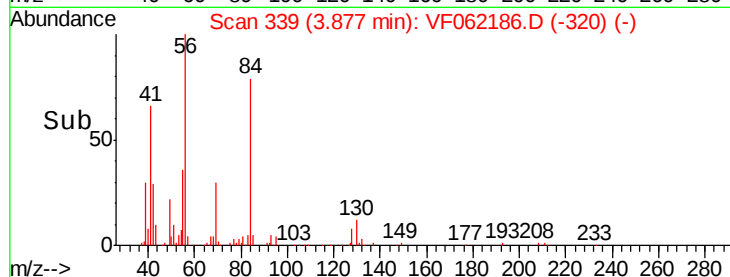
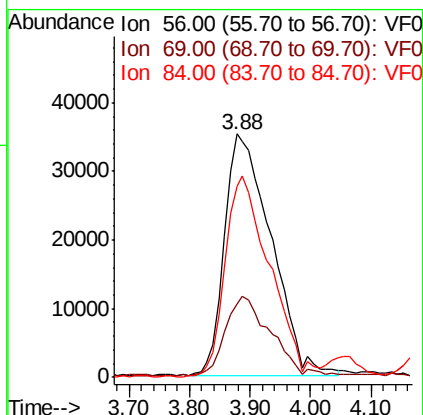
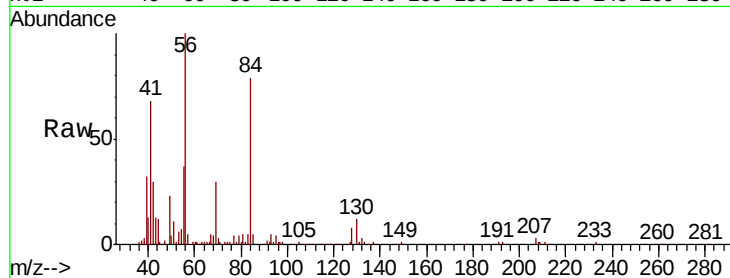




#31
Cyclohexane
Concen: 23.448 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

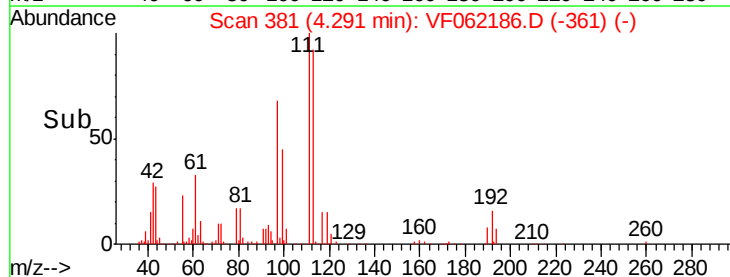
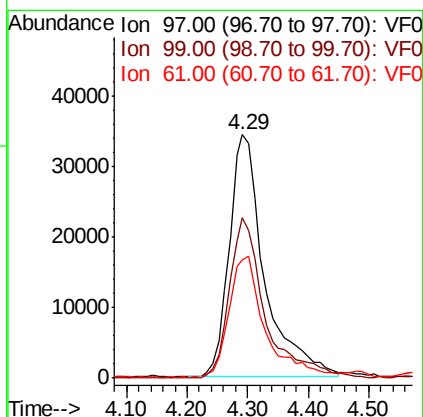
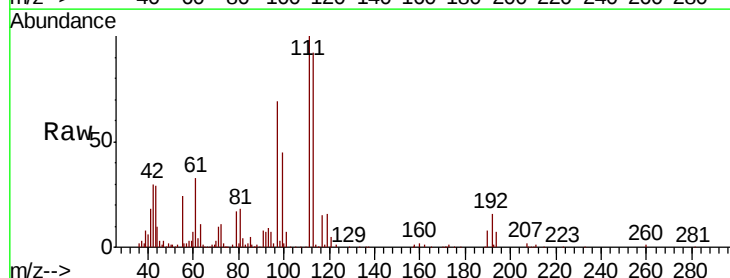
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

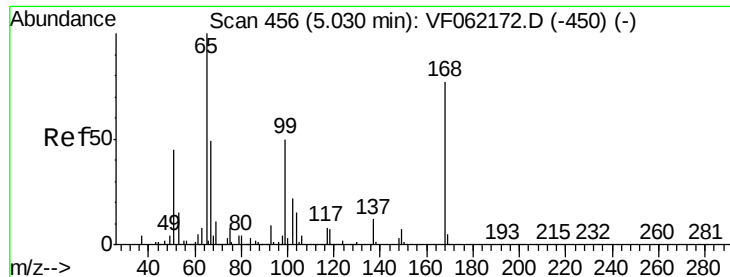
Tot Ion	56	Resp	187900
Ion Ratio	Lower	Upper	
56	100		
69	30.1	24.4	36.6
84	78.6	63.4	95.2



#32
1,1,1-Trichloroethane
Concen: 26.592 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Tgt Ion	97	Resp	139829
Ion Ratio	Lower	Upper	
97	100		
99	65.7	52.3	78.5
61	48.5	40.9	61.3





#33

1,2-Dichloroethane-d4

Concen: 51.828 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

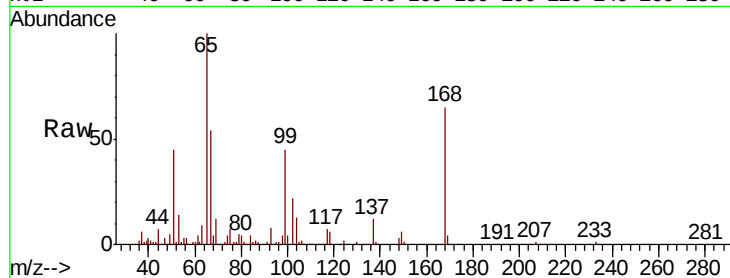
VF0416SBS01

Tot Ion: 65 Resp: 169225

Ion Ratio Lower Upper

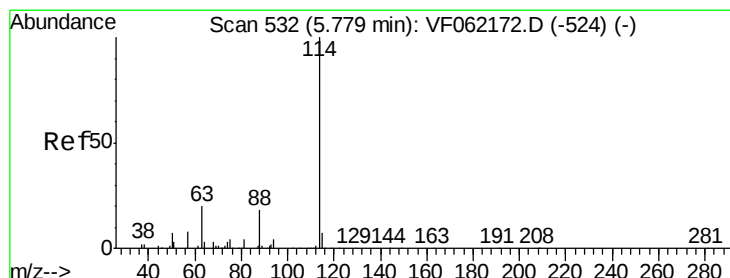
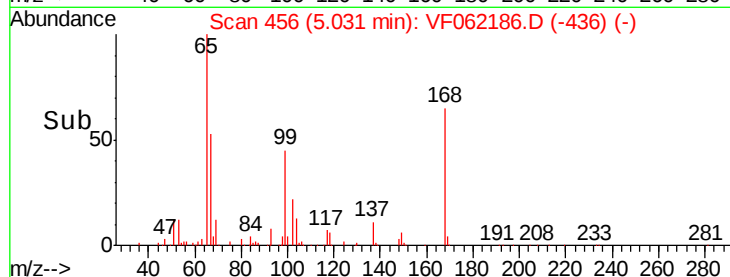
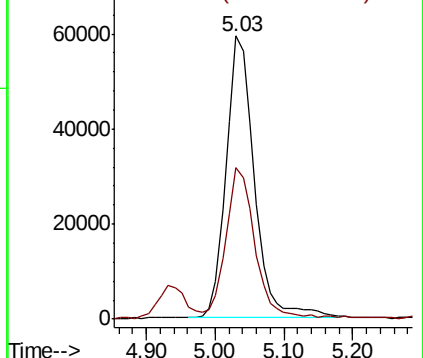
65 100

67 53.7 0.0 107.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

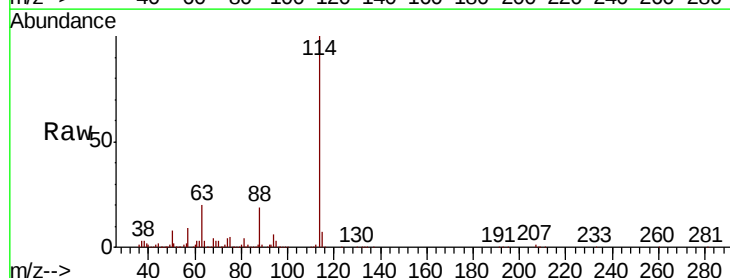
Tgt Ion: 114 Resp: 548928

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

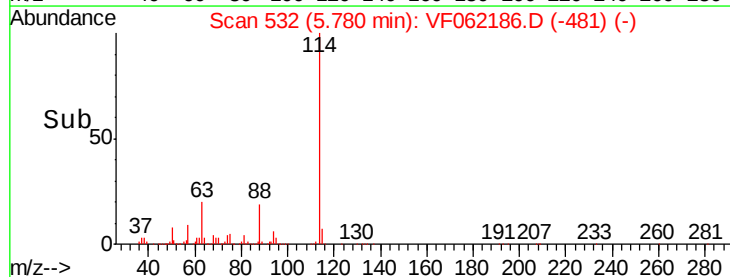
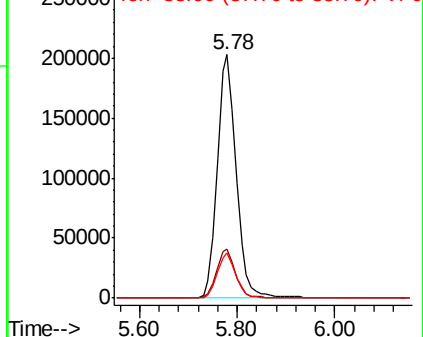
88 18.5 0.0 36.6

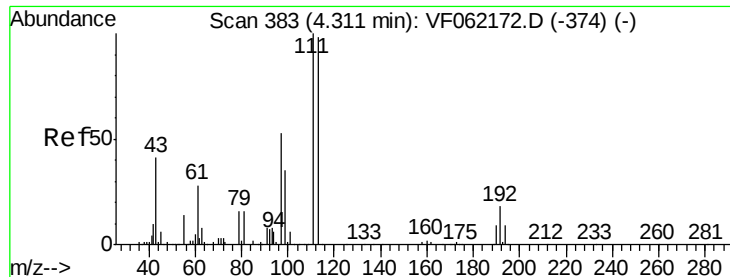


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

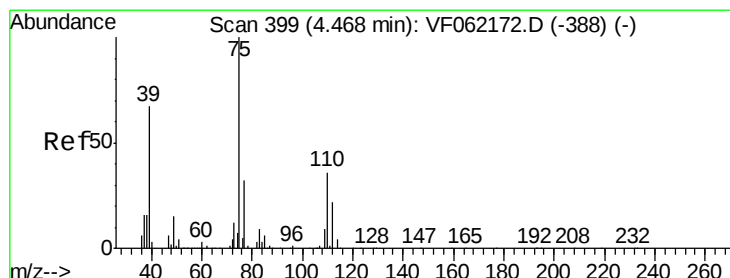
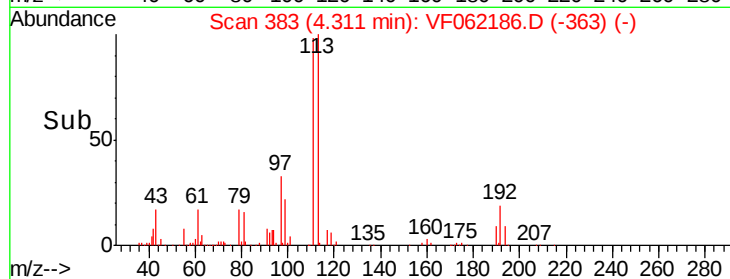
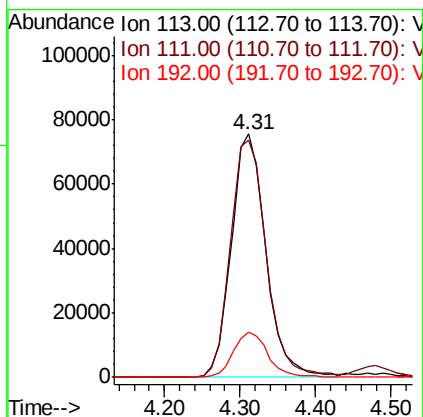
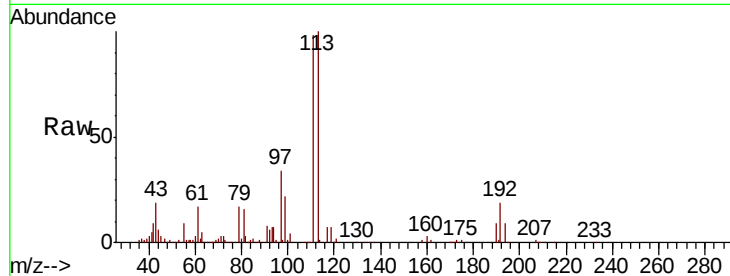




#35
 Dibromofluoromethane
 Concen: 55.163 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

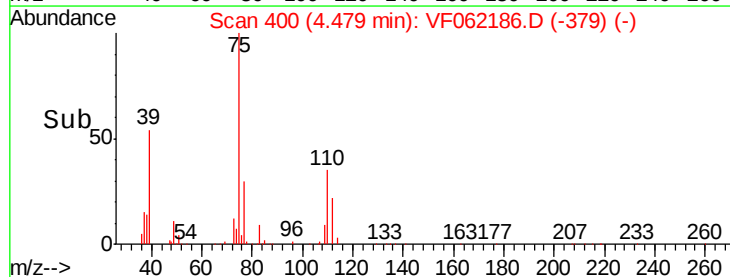
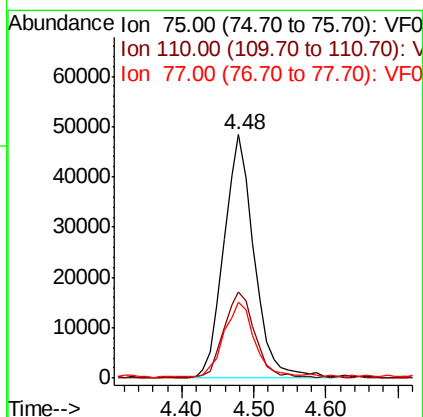
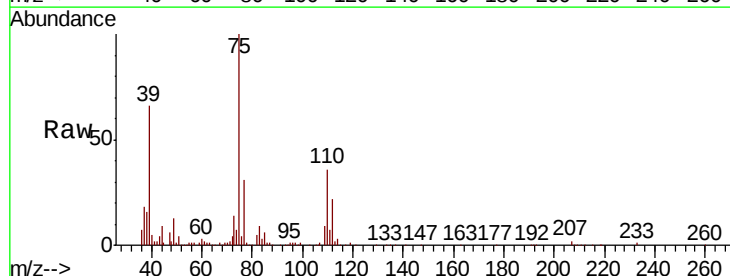
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

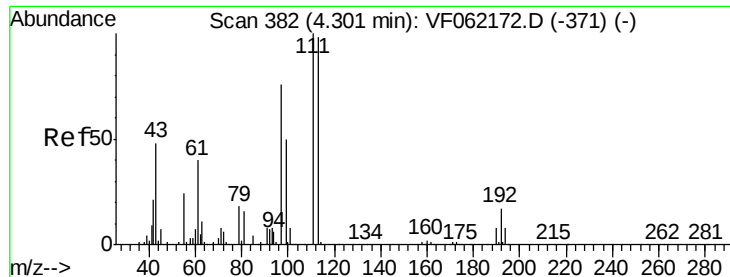
Tot Ion	Ratio	Lower	Upper
113	100		
111	97.6	81.6	122.4
192	18.5	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 23.309 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.9	53.8
77	31.2	25.6	38.4

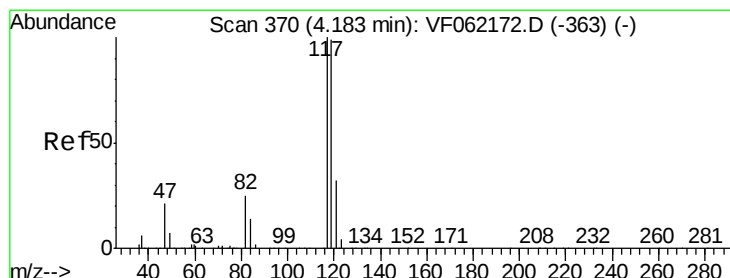
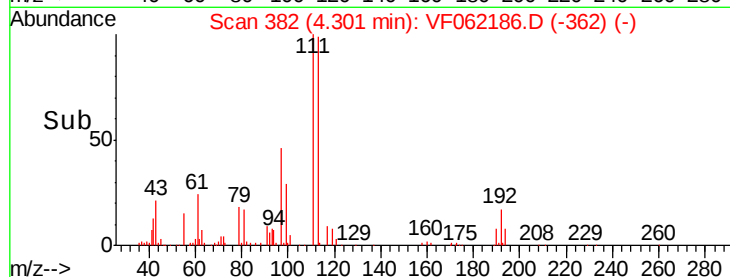
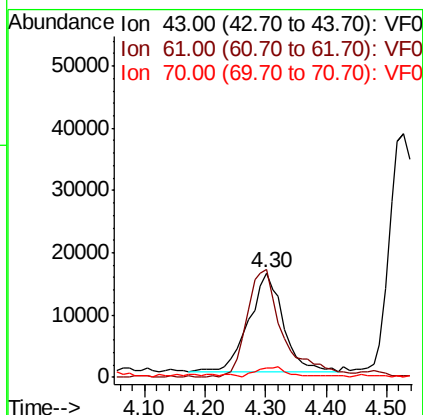
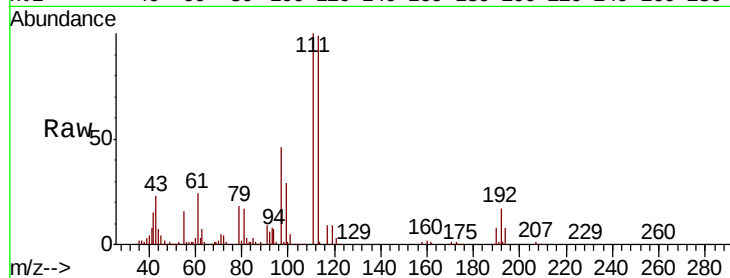




#37
Ethyl Acetate
Concen: 22.296 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

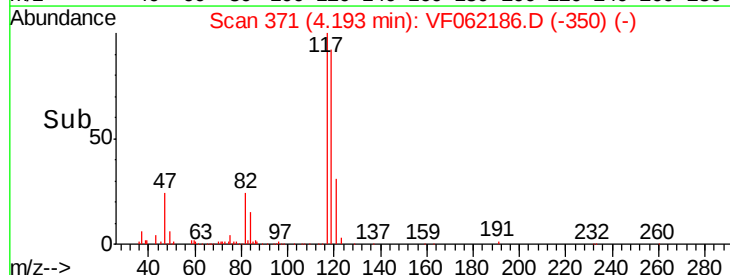
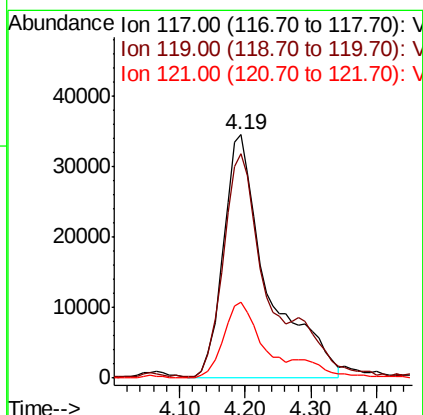
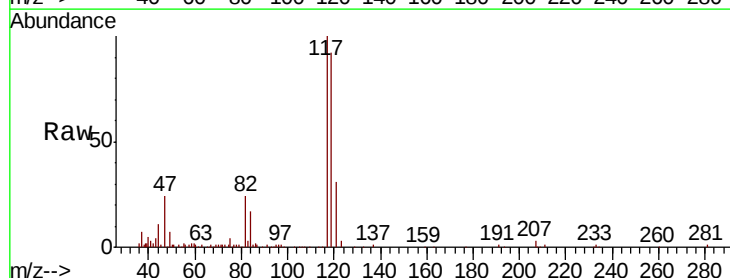
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

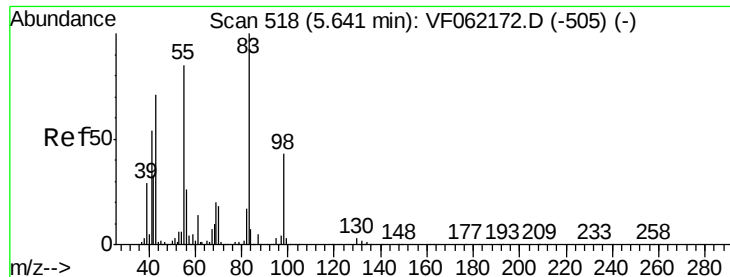
Tot Ion: 43 Resp: 62659
Ion Ratio Lower Upper
43 100
61 103.5 64.9 97.3#
70 8.8 7.8 11.8



#38
Carbon Tetrachloride
Concen: 30.491 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Tgt Ion: 117 Resp: 160065
Ion Ratio Lower Upper
117 100
119 92.4 78.9 118.3
121 31.4 25.3 37.9

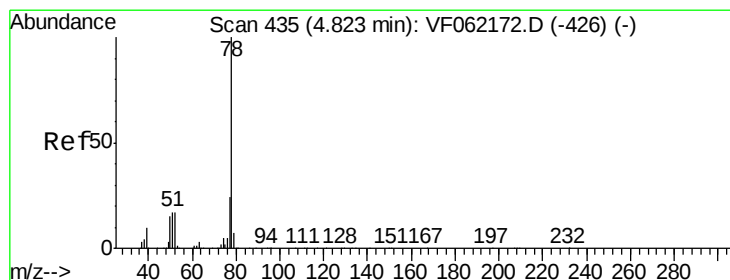
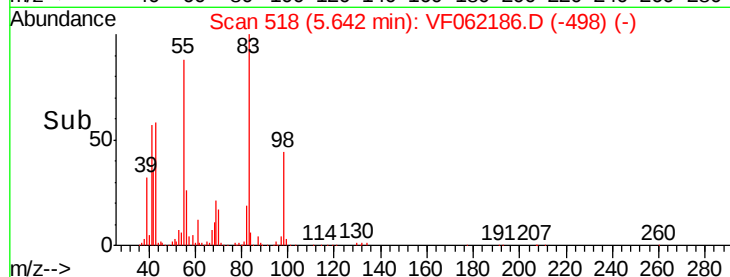
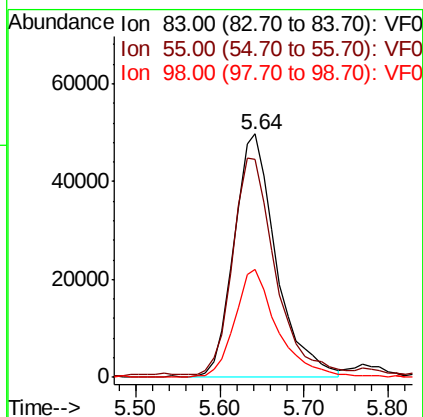
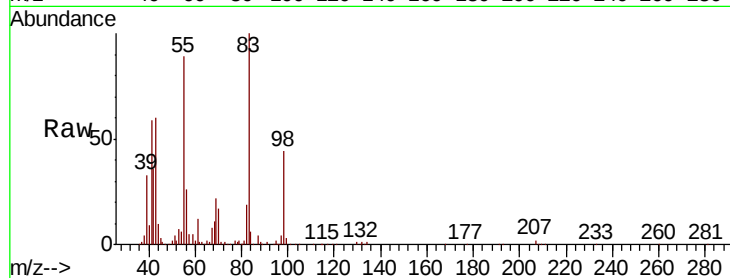




#39
Methvlcvclohexane
Concen: 22.594 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

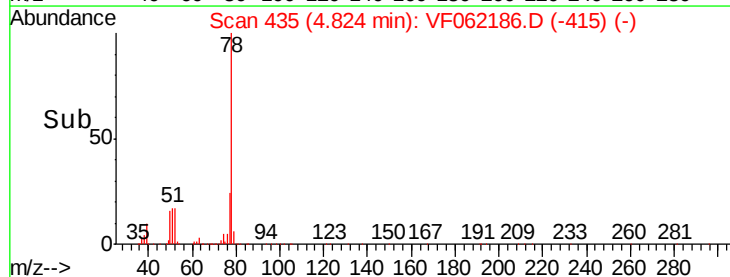
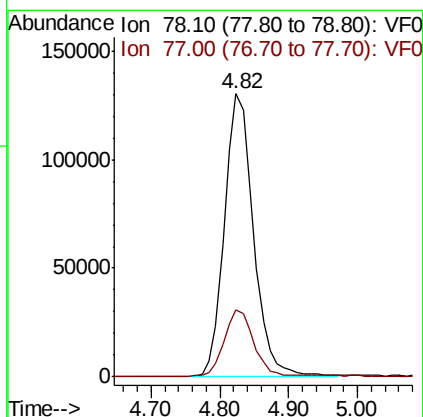
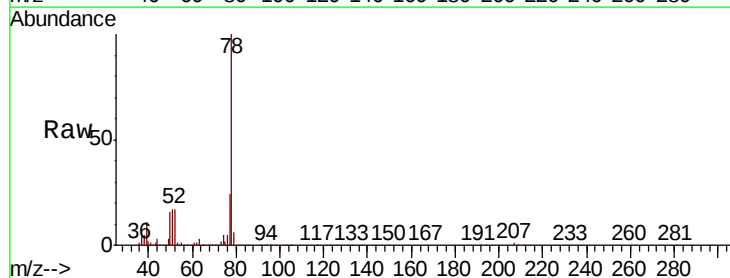
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

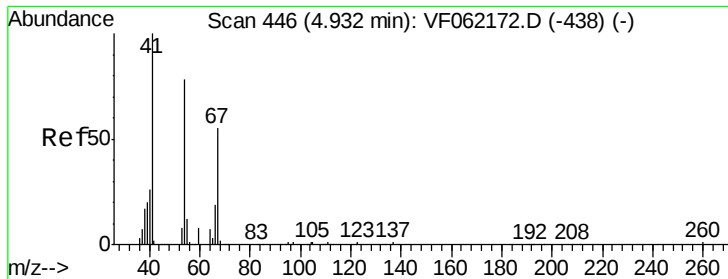
Tot Ion: 83 Resp: 172689
Ion Ratio Lower Upper
83 100
55 89.3 68.2 102.2
98 44.2 34.4 51.6



#40
Benzene
Concen: 23.798 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Tgt Ion: 78 Resp: 383393
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7

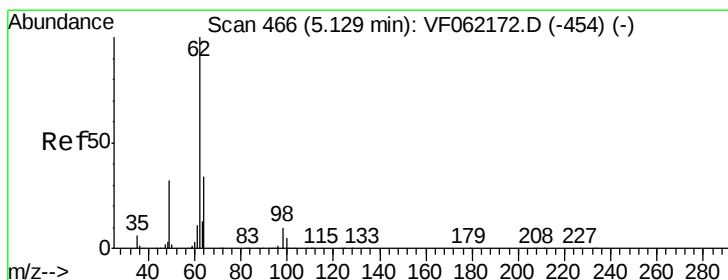
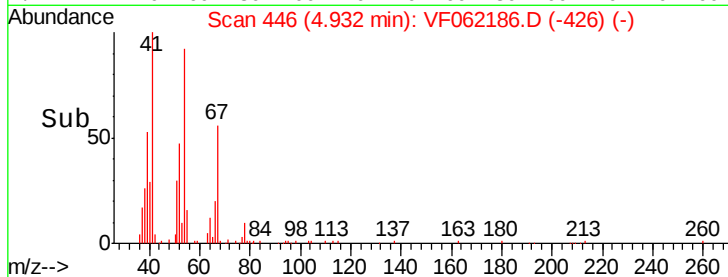
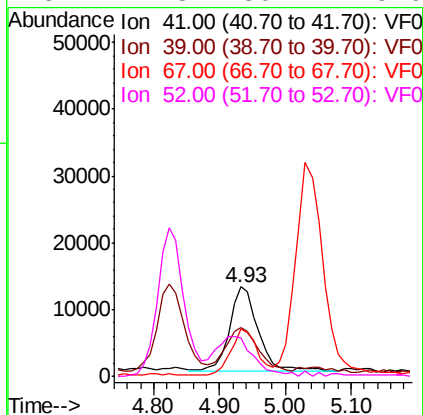
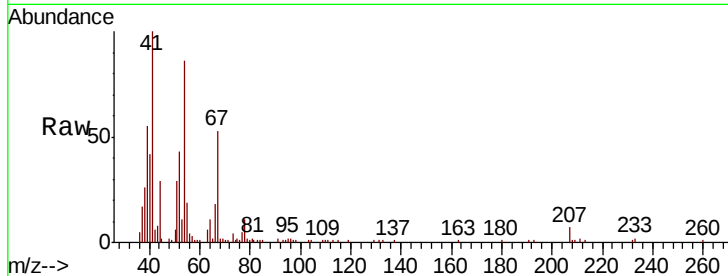




#41
Methacrylonitrile
Concen: 22.990 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

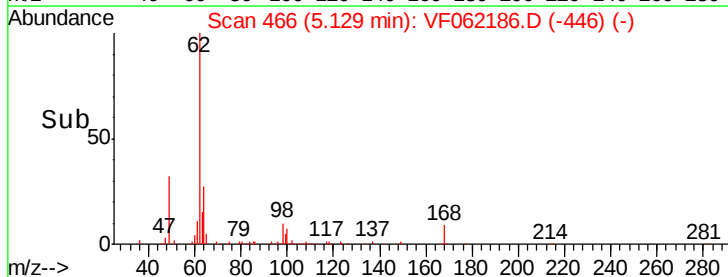
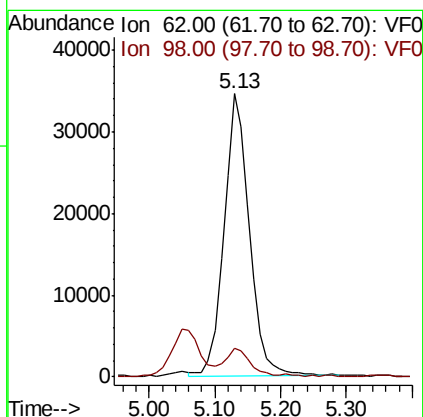
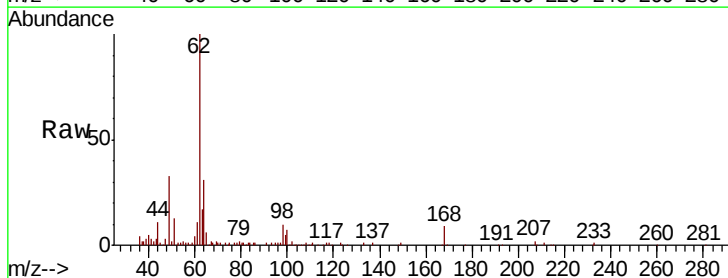
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

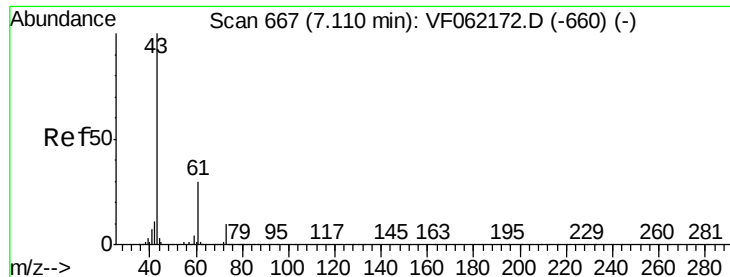
Tot Ion:	41	Resp:	38820
Ion	Ratio	Lower	Upper
41	100		
39	55.0	43.5	65.3
67	53.4	42.9	64.3
52	42.8	30.4	45.6



#42
1,2-Dichloroethane
Concen: 22.590 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Tgt Ion:	62	Resp:	92110
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	22.0



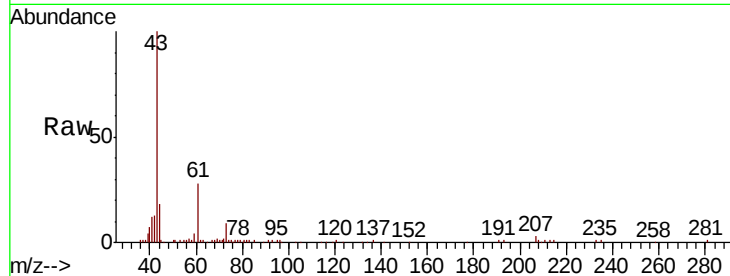


#43

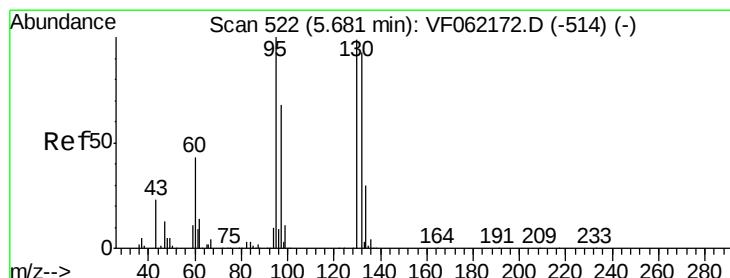
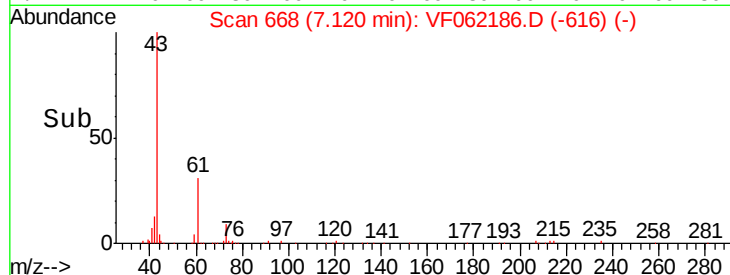
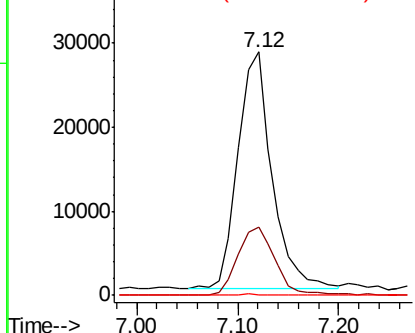
Isopropyl Acetate
 Concen: 20.490 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

Tot Ion	43	Resp	66527
Ion Ratio	Lower	Upper	
43	100		
61	28.2	23.7	35.5
87	0.0	0.3	0.5#



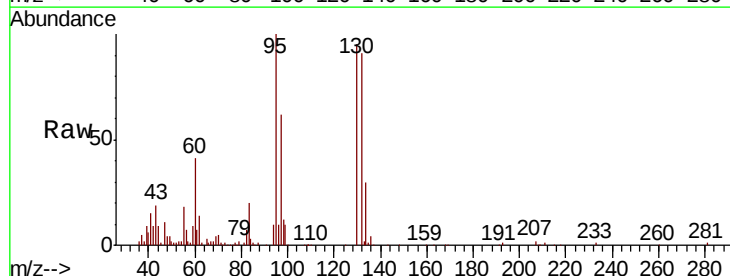
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



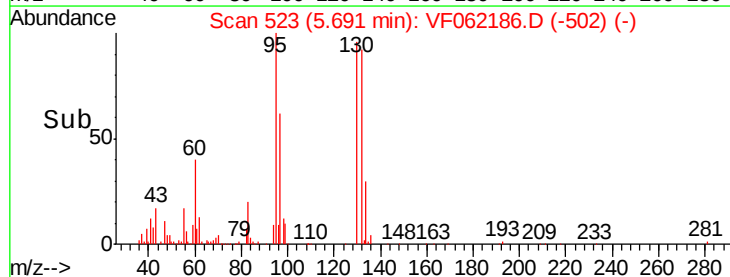
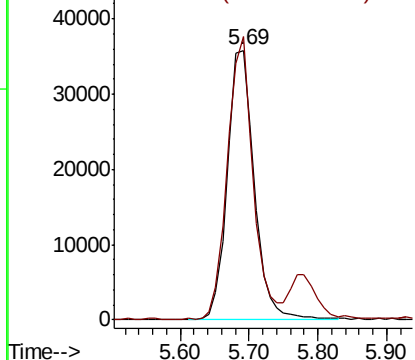
#44

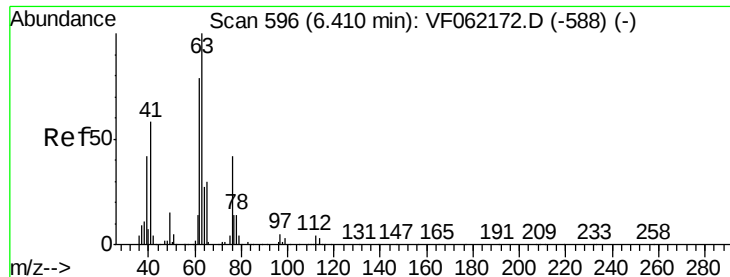
Trichloroethene
 Concen: 22.609 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

Tgt Ion	130	Resp	97492
Ion Ratio	Lower	Upper	
130	100		
95	105.1	0.0	202.2



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





#45

1,2-Dichloropropane

Concen: 21.642 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

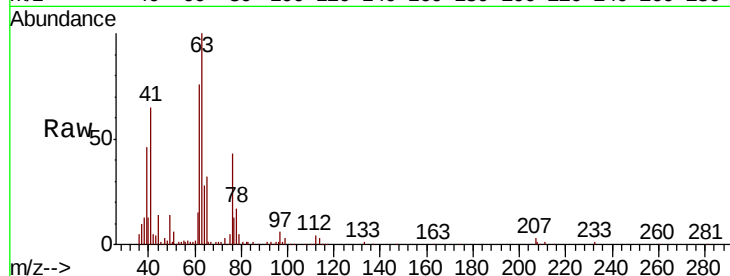
VF0416SBS01

Tot Ion: 63 Resp: 85534

Ion Ratio Lower Upper

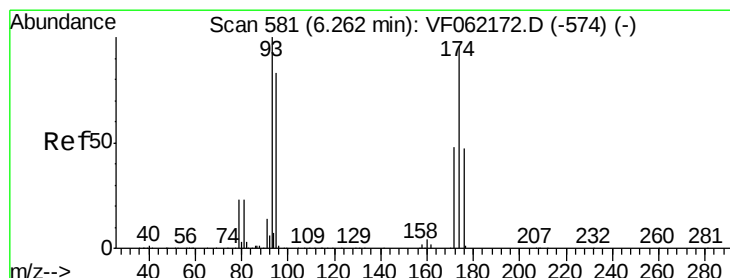
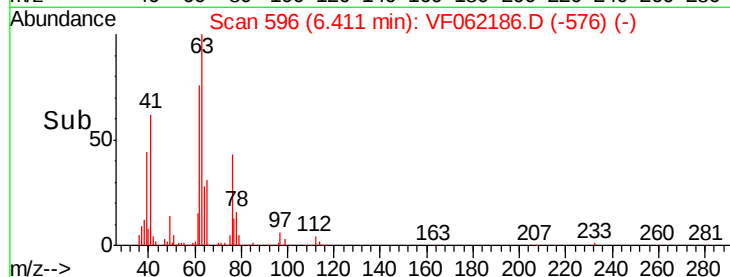
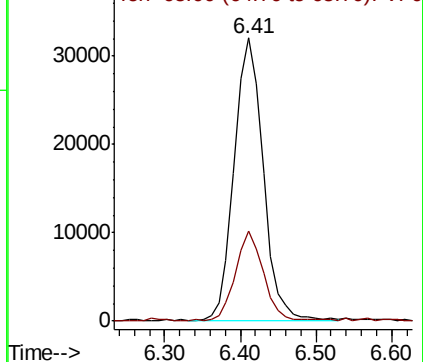
63 100

65 31.8 23.7 35.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.286 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

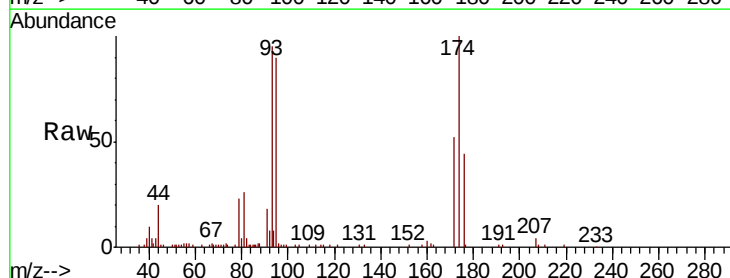
Tgt Ion: 93 Resp: 50729

Ion Ratio Lower Upper

93 100

95 94.9 67.0 100.6

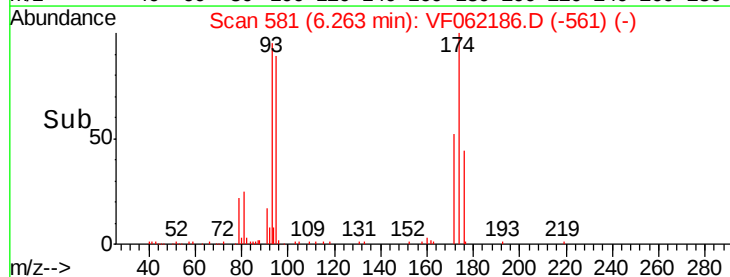
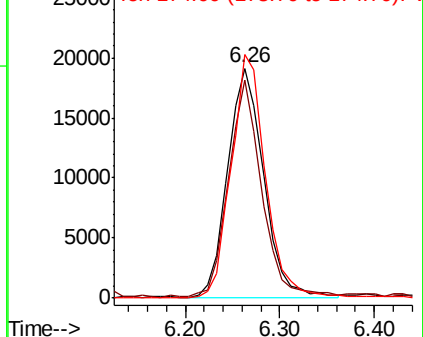
174 105.8 76.3 114.5

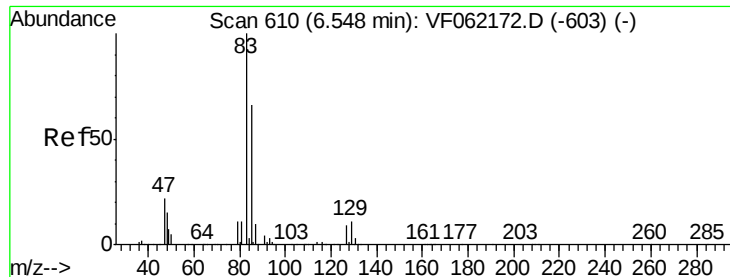


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 22.161 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

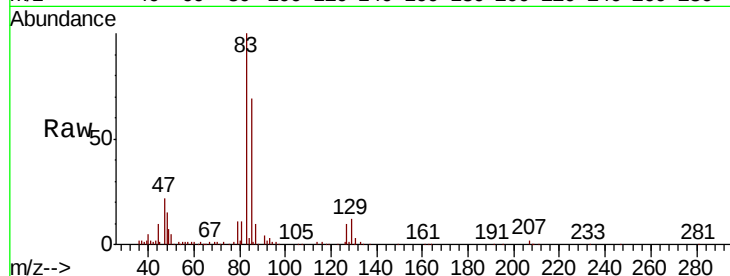
Tot Ion: 83 Resp: 119651

Ion Ratio Lower Upper

83 100

85 68.6 52.6 79.0

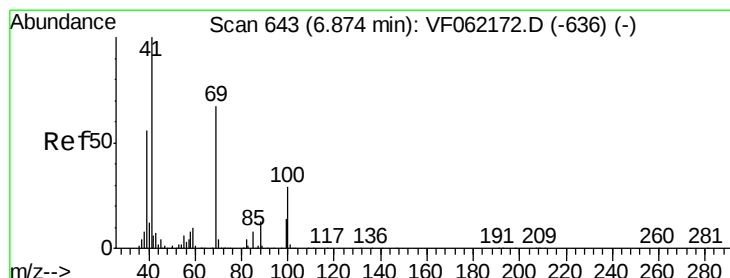
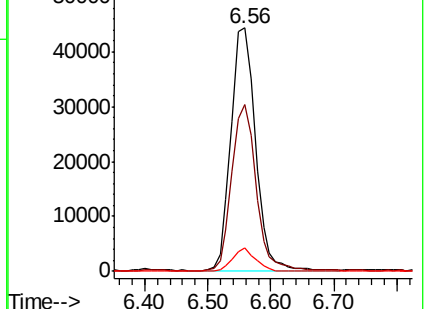
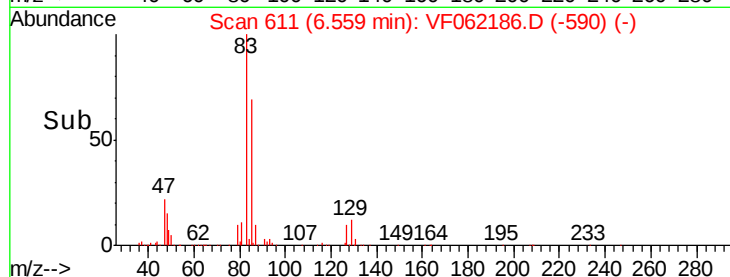
127 9.8 6.8 10.2



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: 19.628 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

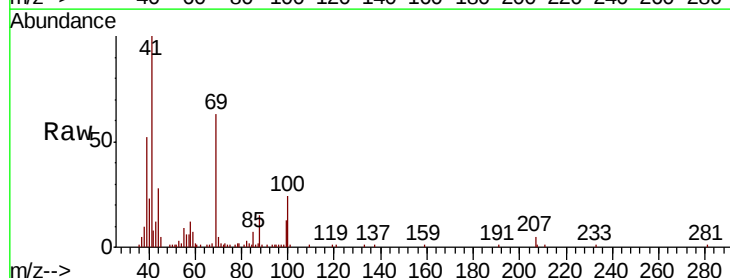
Tgt Ion: 41 Resp: 41727

Ion Ratio Lower Upper

41 100

69 63.1 52.8 79.2

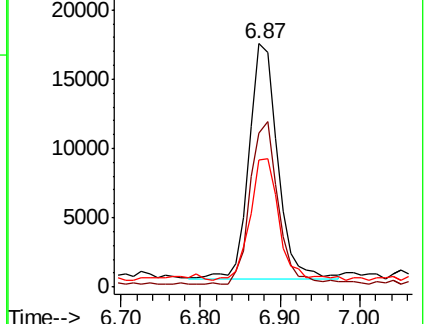
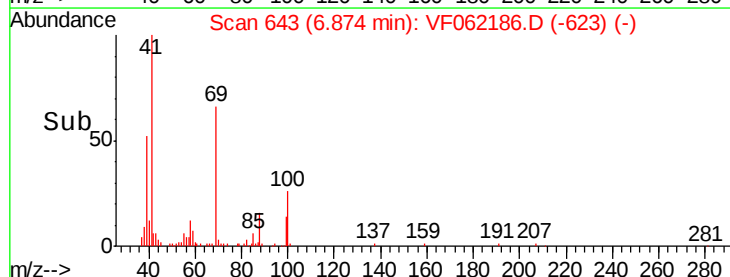
39 52.4 45.0 67.4

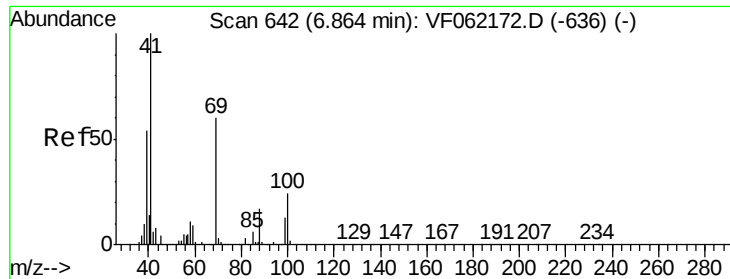


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

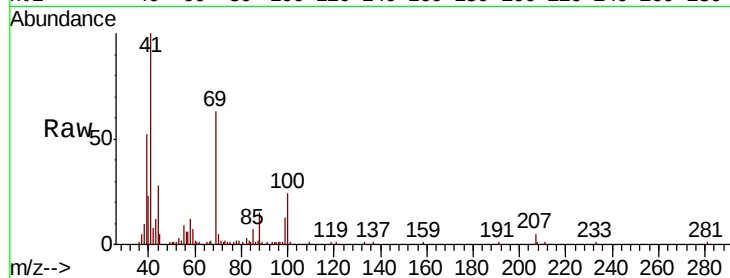




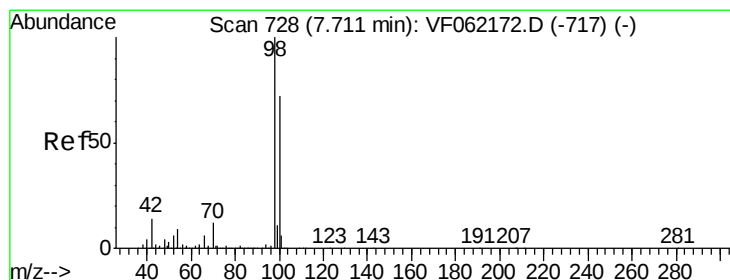
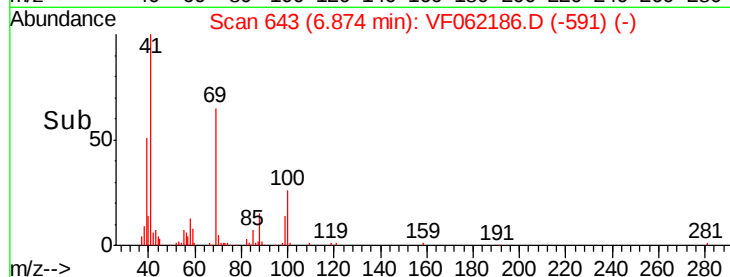
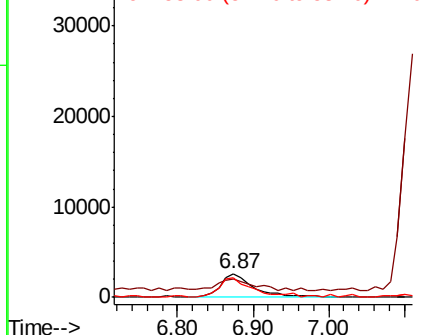
#49
1,4-Dioxane
Concen: 496.915 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion: 88 Resp: 8232
Ion Ratio Lower Upper
88 100
43 79.7 49.5 74.3#
58 82.4 52.6 79.0#

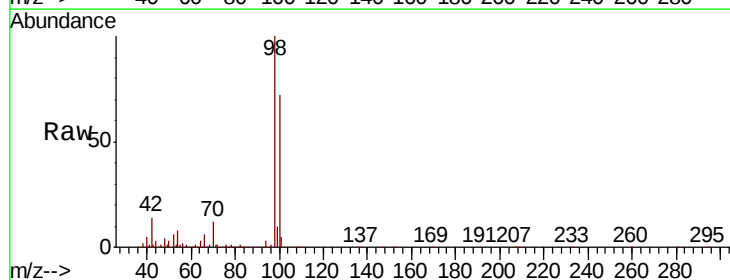


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

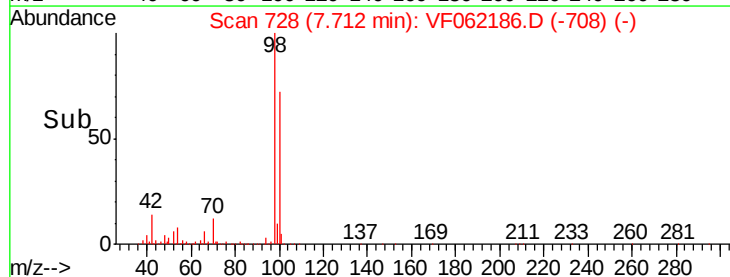
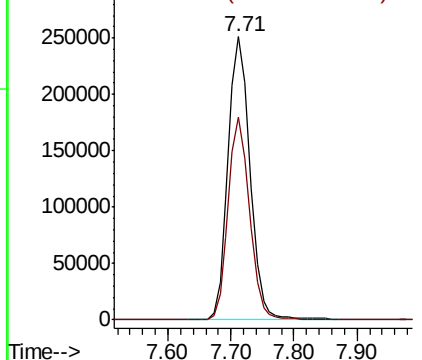


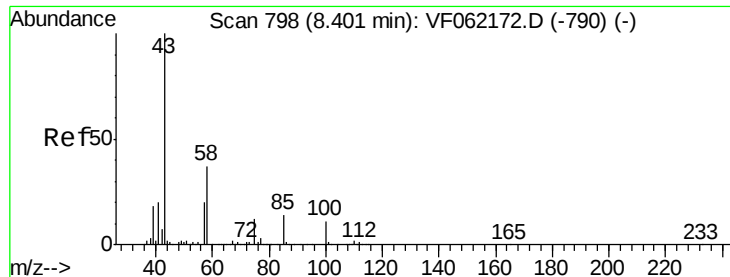
#50
Toluene-d8
Concen: 47.932 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Tgt Ion: 98 Resp: 606517
Ion Ratio Lower Upper
98 100
100 71.8 57.4 86.0



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





#51

4-Methyl-2-Pentanone

Concen: 104.121 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

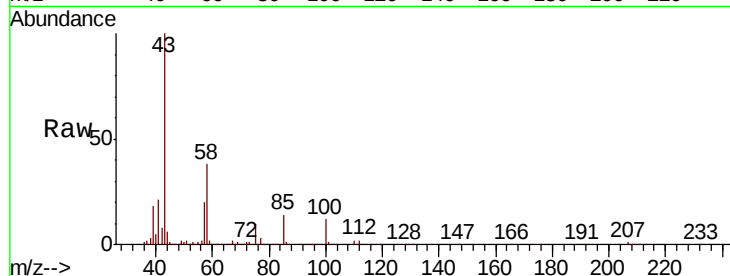
VF0416SBS01

Tot Ion: 43 Resp: 260515

Ion Ratio Lower Upper

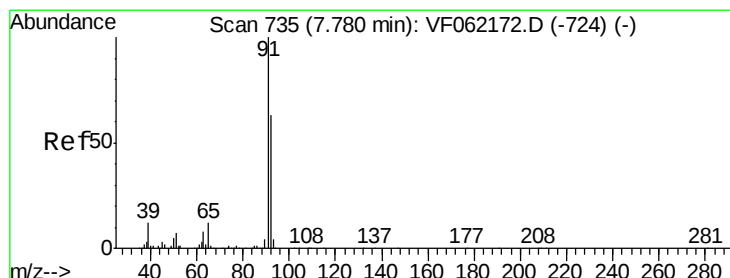
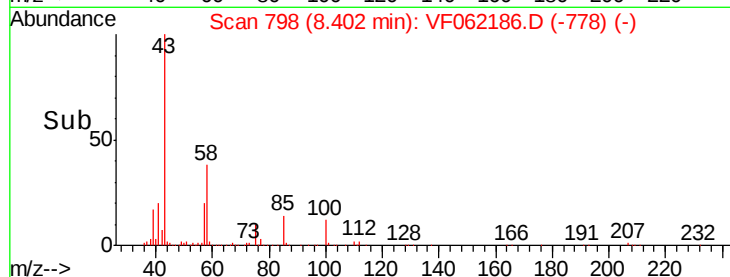
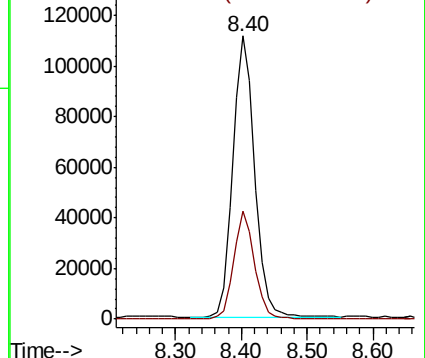
43 100

58 38.2 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.144 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF062186.D

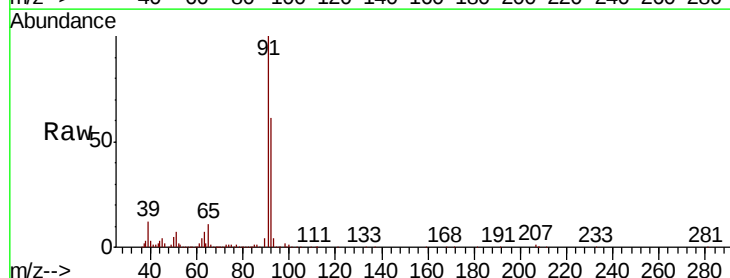
Acq: 16 Apr 2019 20:08

Tgt Ion: 92 Resp: 200108

Ion Ratio Lower Upper

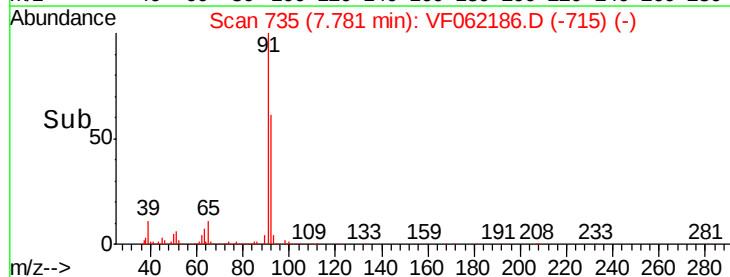
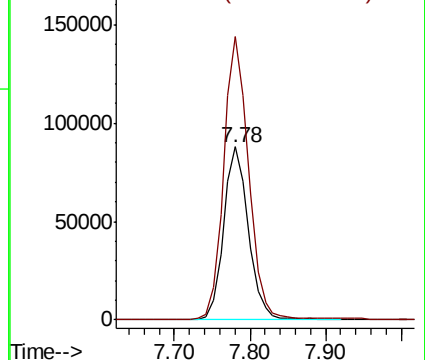
92 100

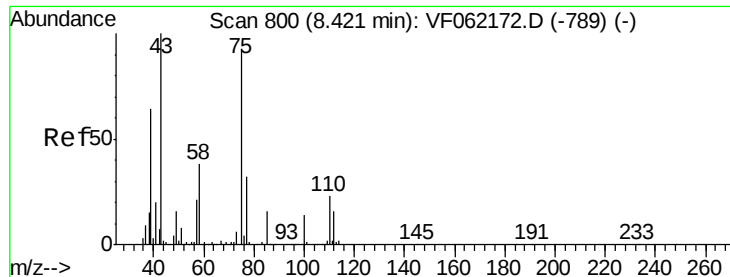
91 163.8 126.9 190.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 18.584 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

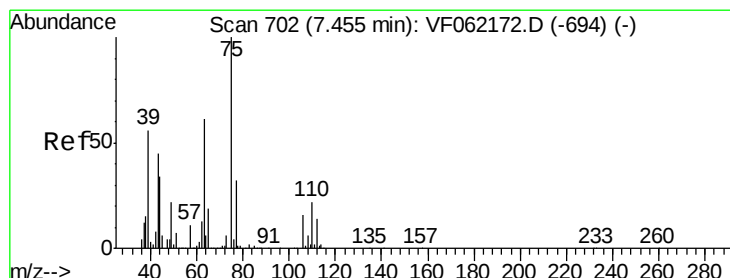
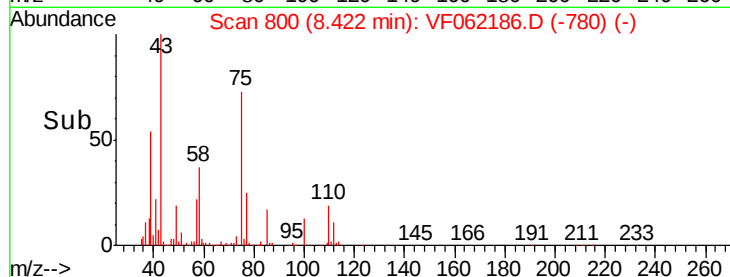
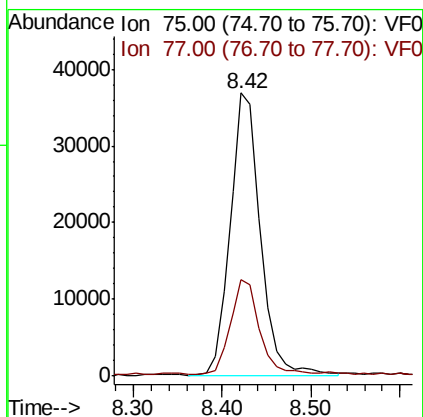
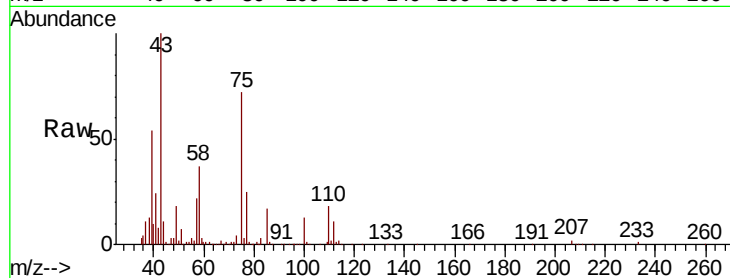
VF0416SBS01

Tot Ion: 75 Resp: 86912

Ion Ratio Lower Upper

75 100

77 34.1 27.8 41.6



#54

cis-1,3-Dichloropropene

Concen: 21.279 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

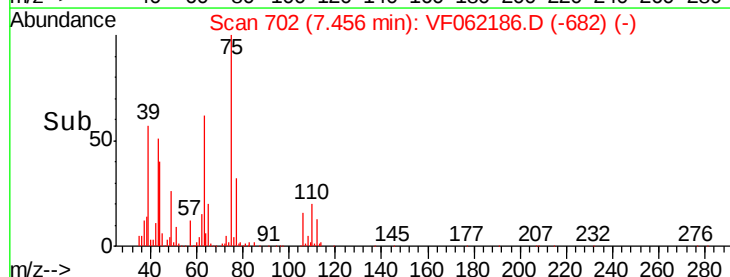
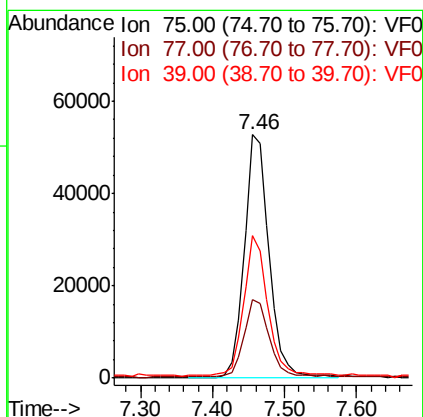
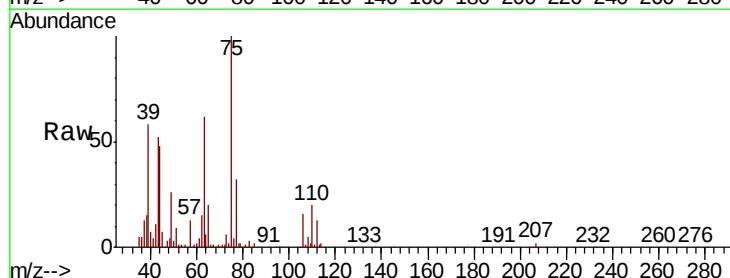
Tgt Ion: 75 Resp: 126543

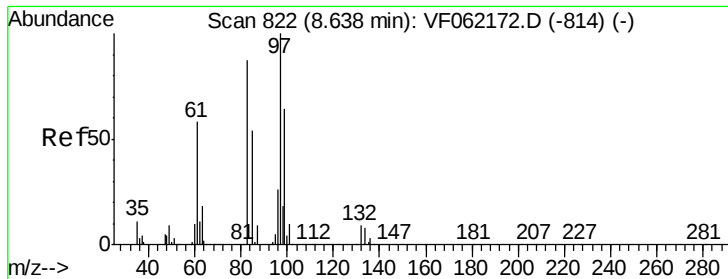
Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0

39 58.3 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 18.501 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion: 97 Resp: 50150

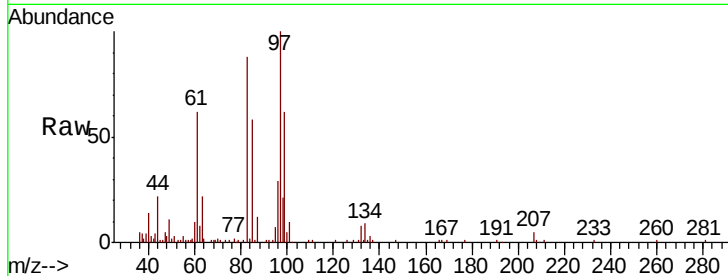
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.6	104.4
85	58.4	43.5	65.3
99	62.4	51.5	77.3

97 100

83 87.6 69.6 104.4

85 58.4 43.5 65.3

99 62.4 51.5 77.3

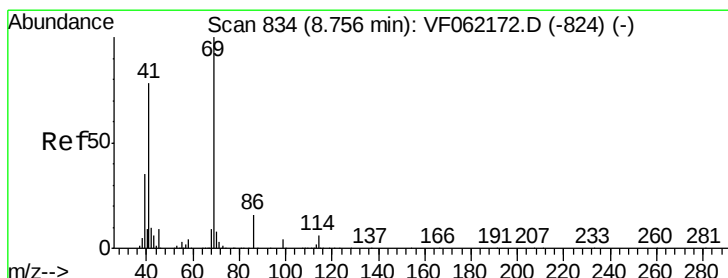
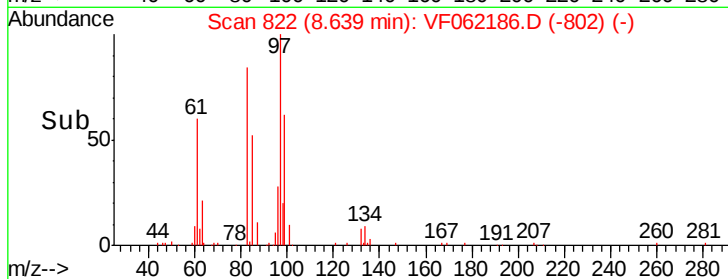
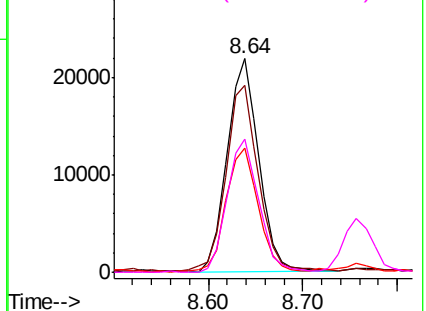


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.145 ug/l

RT: 8.76 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

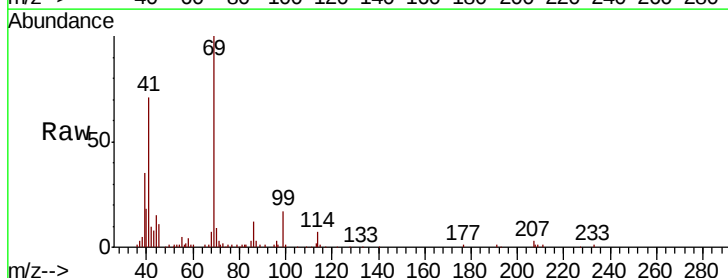
Tgt Ion: 69 Resp: 64932

Ion	Ratio	Lower	Upper
69	100		
41	71.4	63.4	95.0
39	34.9	29.0	43.6

69 100

41 71.4 63.4 95.0

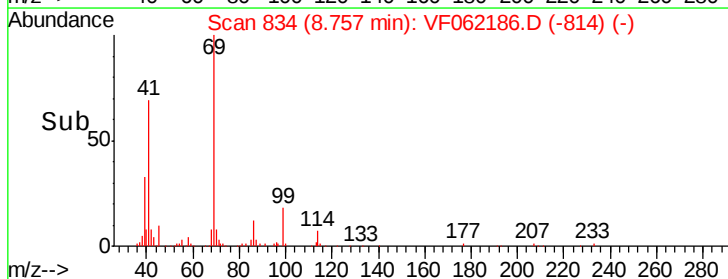
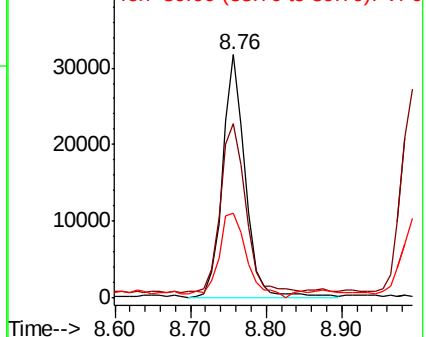
39 34.9 29.0 43.6

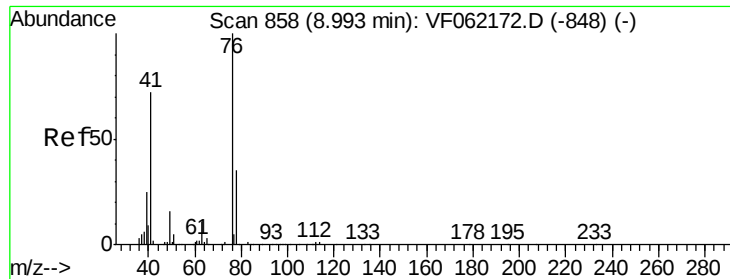


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.268 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

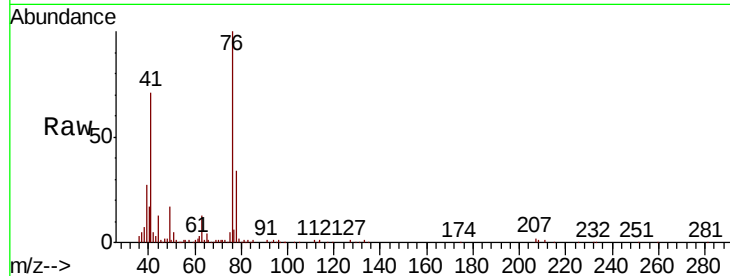
VF0416SBS01

Tot Ion: 76 Resp: 85865

Ion Ratio Lower Upper

76 100

78 33.6 28.2 42.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.99

40000

30000

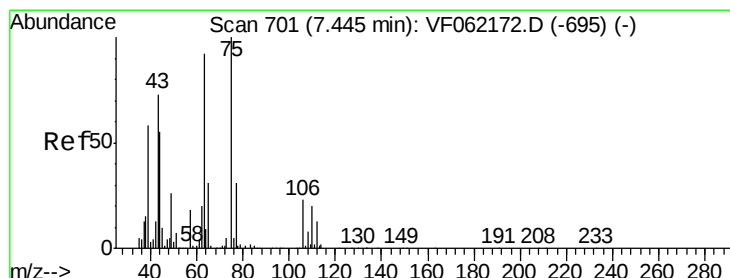
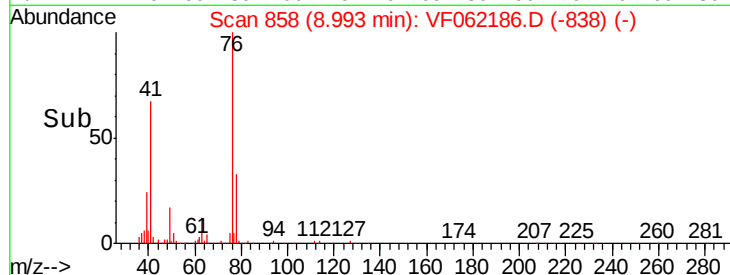
20000

10000

0

8.90 9.00 9.10

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 97.272 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF062186.D

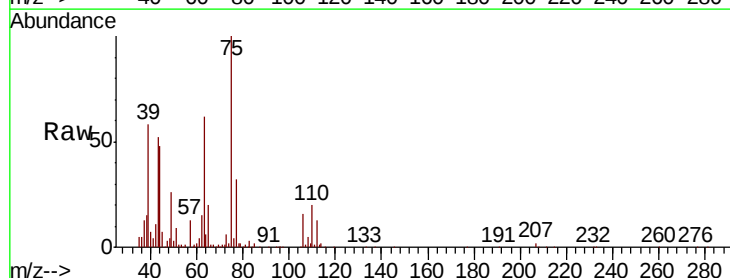
Acq: 16 Apr 2019 20:08

Tgt Ion: 63 Resp: 80780

Ion Ratio Lower Upper

63 100

106 25.1 20.2 30.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.46

30000

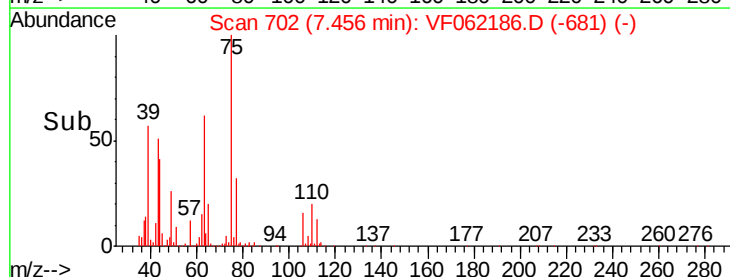
20000

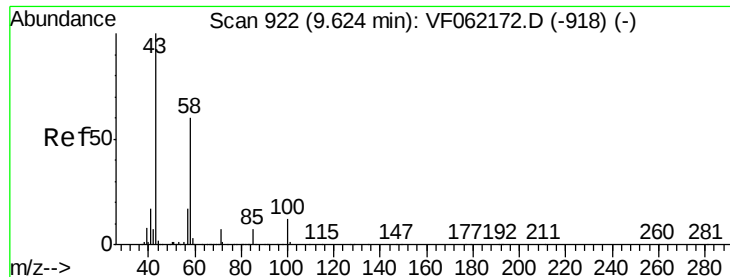
10000

0

7.40 7.50 7.60

Time-->

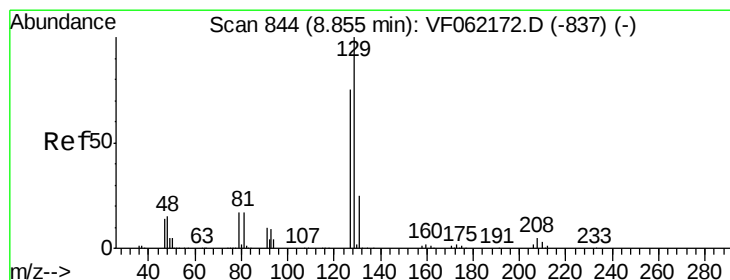
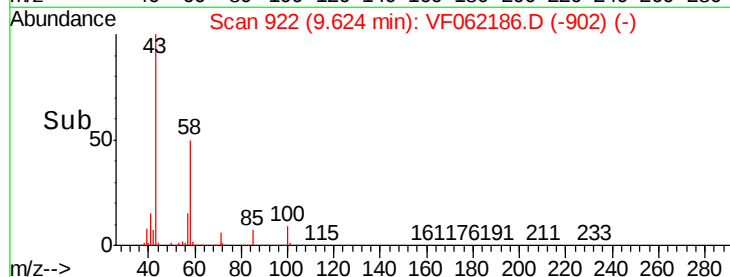
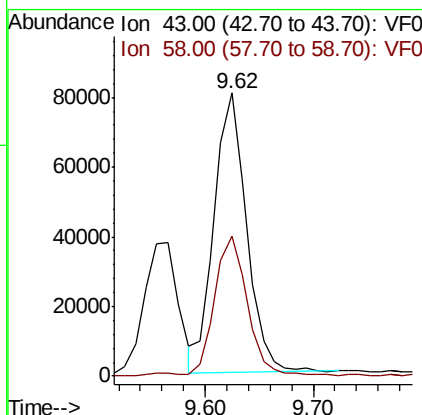
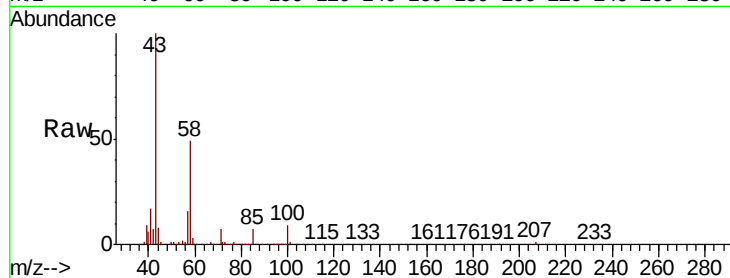




#59
2-Hexanone
Concen: 105.087 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

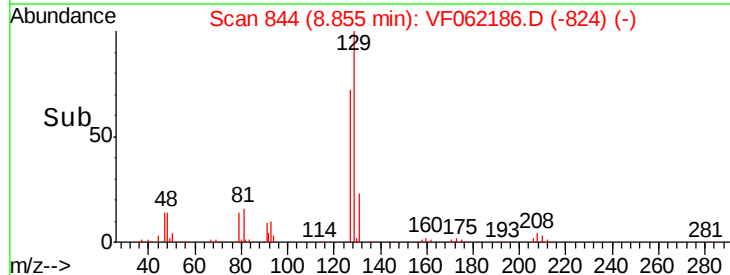
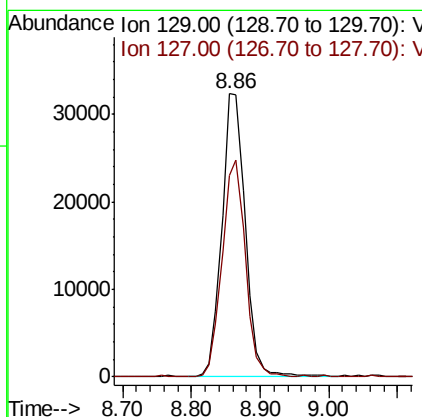
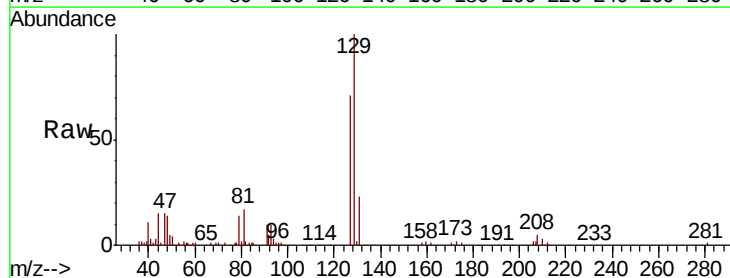
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

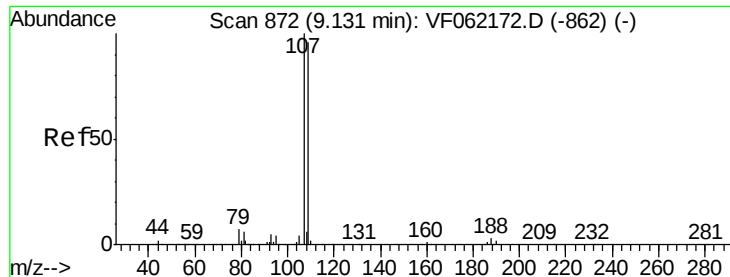
Tot Ion: 43 Resp: 167103
Ion Ratio Lower Upper
43 100
58 49.3 26.8 80.4



#60
Dibromochloromethane
Concen: 20.557 ug/l
RT: 8.86 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Tgt Ion:129 Resp: 76669
Ion Ratio Lower Upper
129 100
127 71.3 37.7 113.1





#61

1,2-Dibromoethane

Concen: 19.262 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

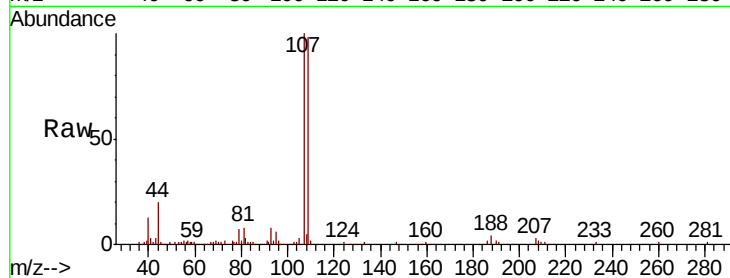
VF0416SBS01

Tot Ion:107 Resp: 55859

Ion Ratio Lower Upper

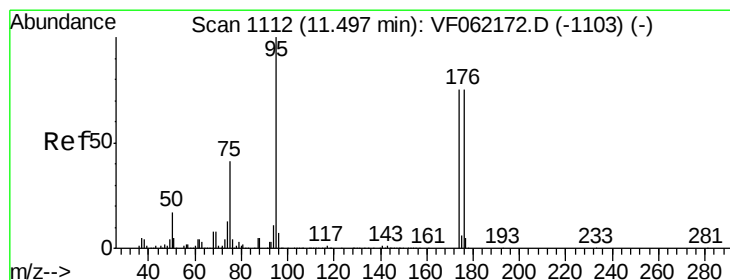
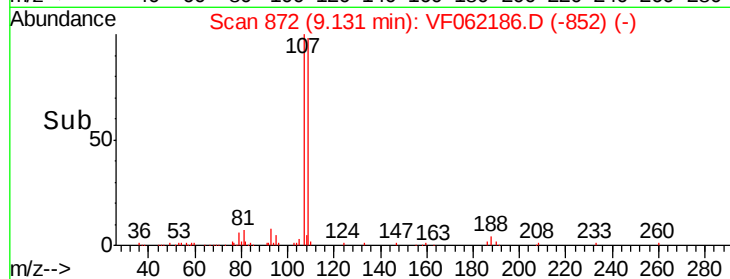
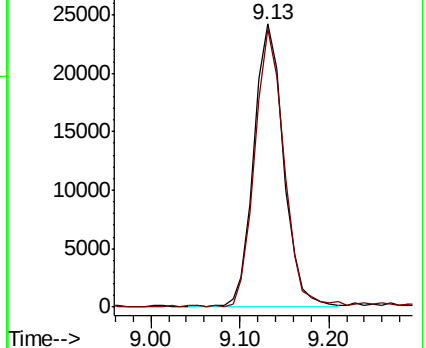
107 100

109 98.4 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.639 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

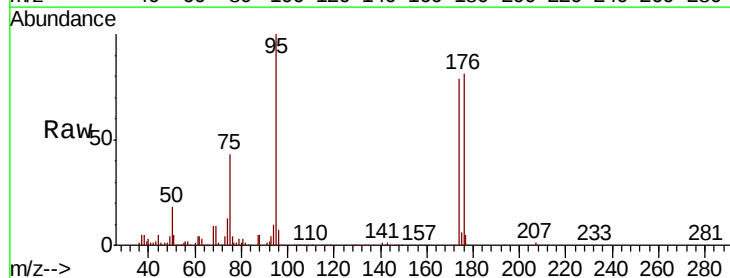
Tgt Ion: 95 Resp: 233054

Ion Ratio Lower Upper

95 100

174 79.0 0.0 150.2

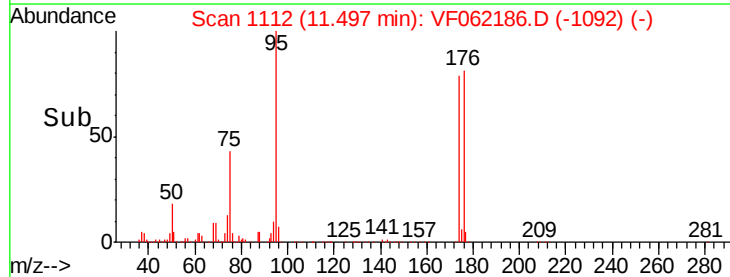
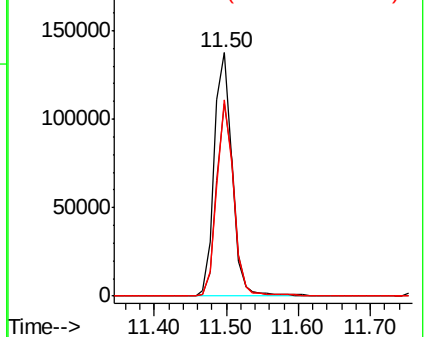
176 80.6 0.0 149.4

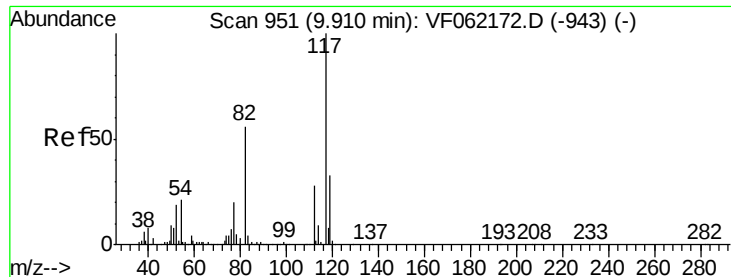


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

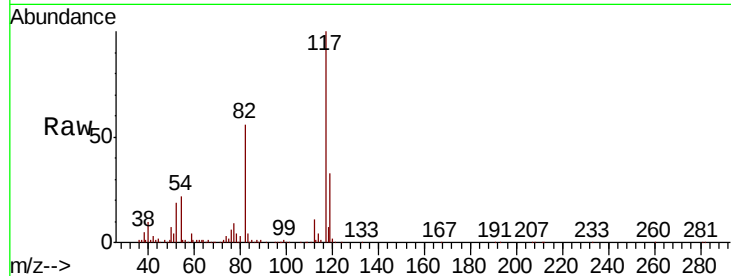




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.2	67.8
119	33.0	26.6	39.8

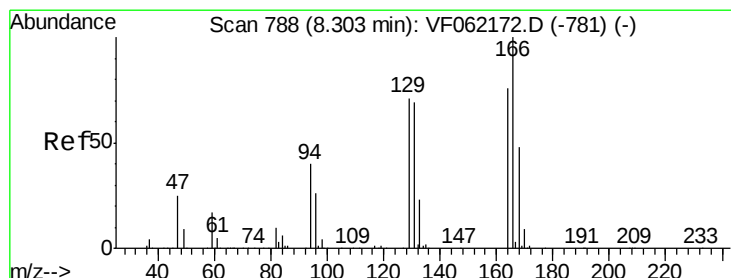
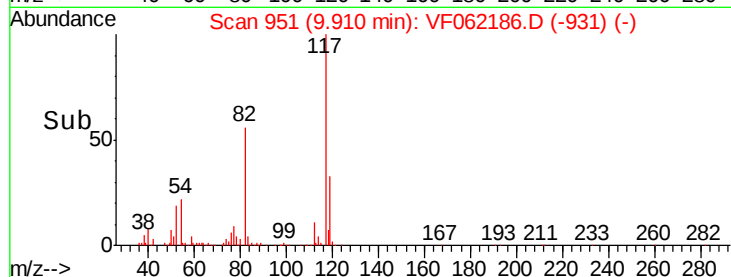
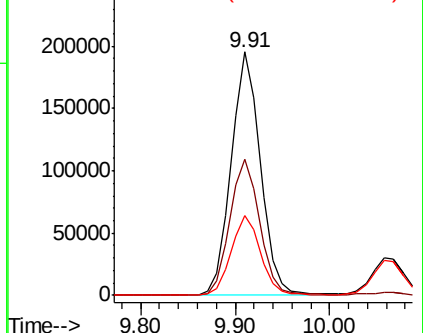


Abundance

Ion 117.00 (116.70 to 117.70): V

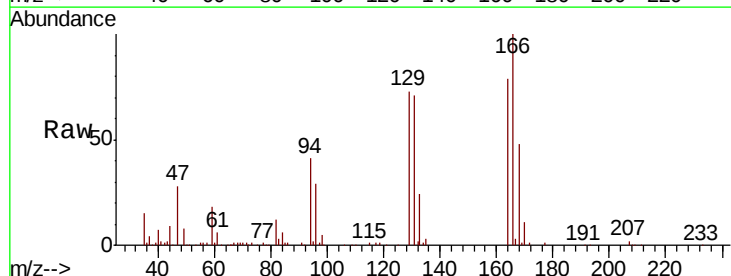
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 22.975 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	105.9	158.9
129	92.1	75.3	112.9
131	89.0	73.4	110.2



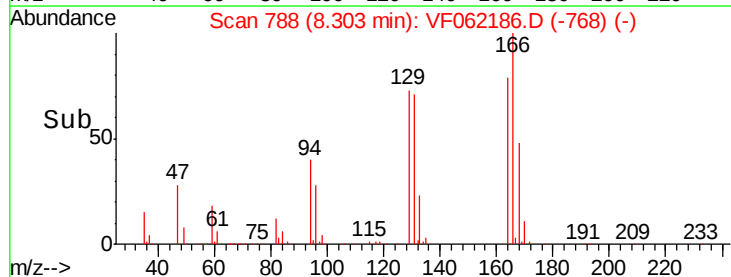
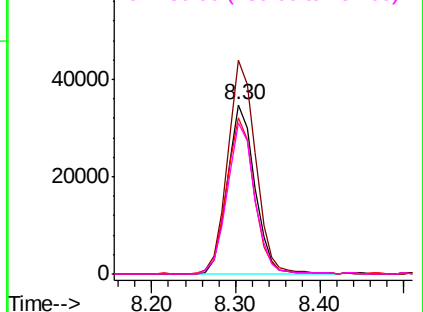
Abundance

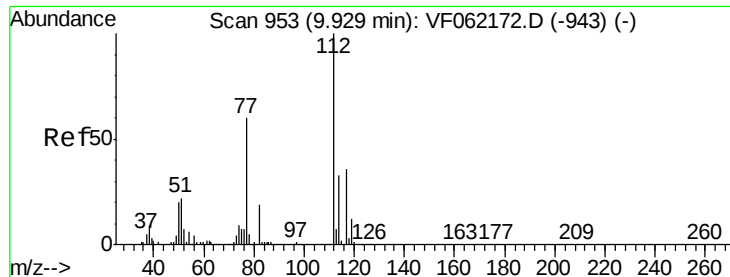
Ion 163.85 (163.55 to 164.55): V

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

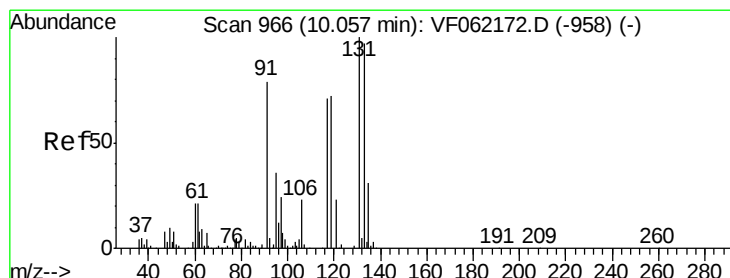
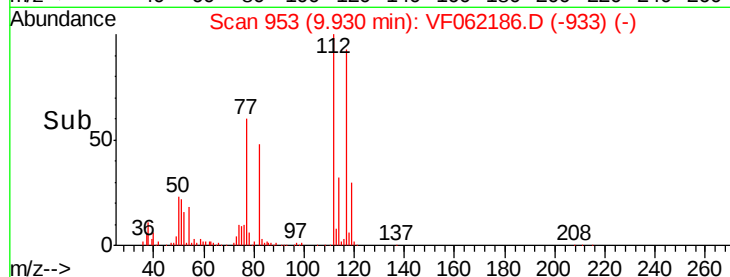
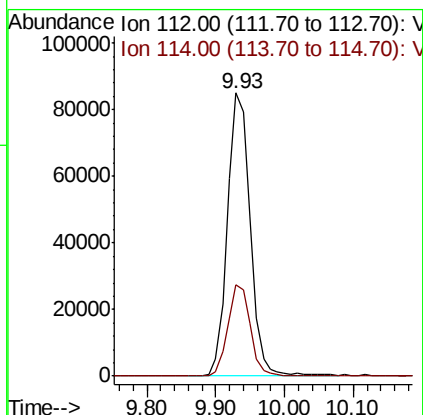
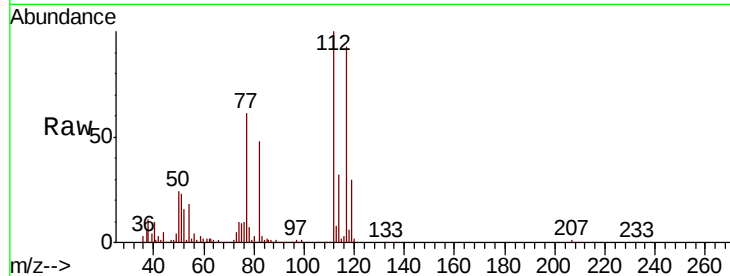




#65
Chlorobenzene
Concen: 22.223 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

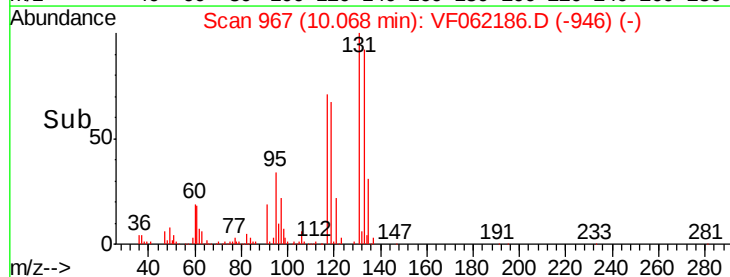
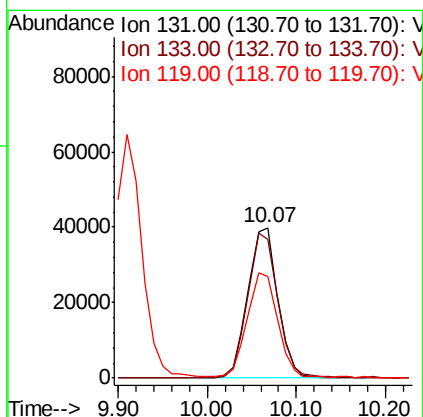
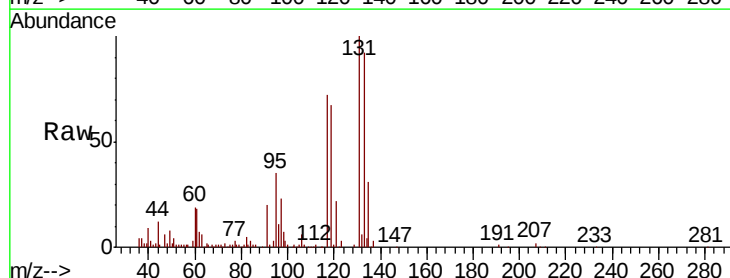
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

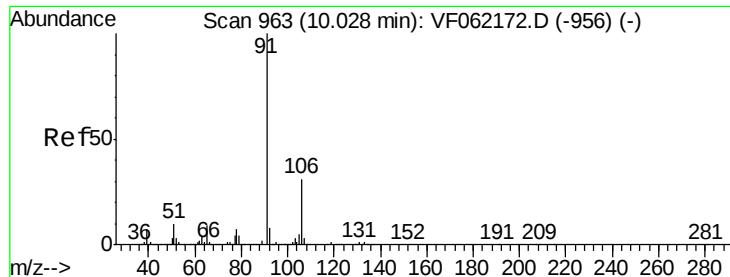
Tot Ion:112 Resp: 194785
Ion Ratio Lower Upper
112 100
114 32.3 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 25.557 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Tgt Ion:131 Resp: 92481
Ion Ratio Lower Upper
131 100
133 92.4 48.4 145.2
119 67.2 36.3 108.9





#67

Ethyl Benzene

Concen: 22.447 ug/l

RT: 10.03 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

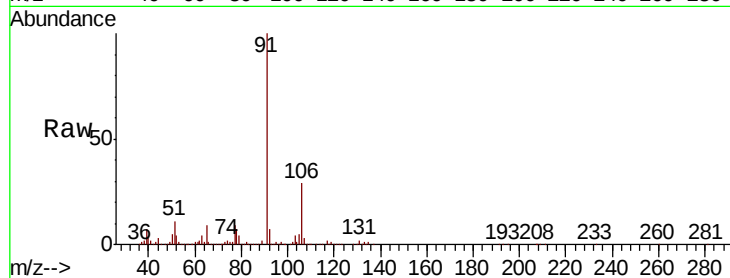
VF0416SBS01

Tot Ion: 91 Resp: 364719

Ion Ratio Lower Upper

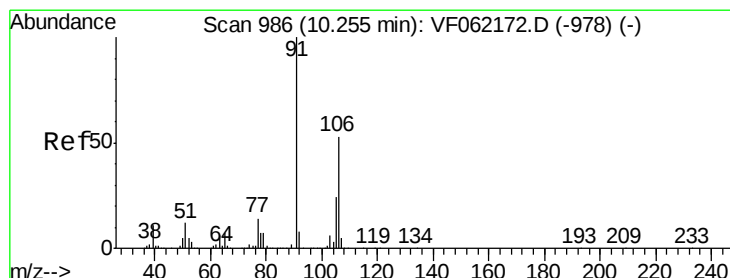
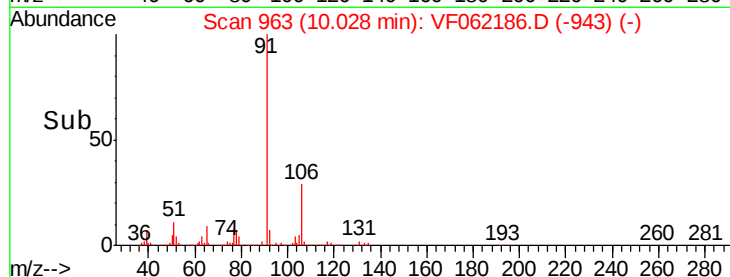
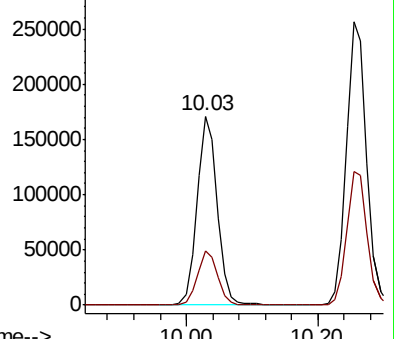
91 100

106 28.9 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.854 ug/l

RT: 10.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VF062186.D

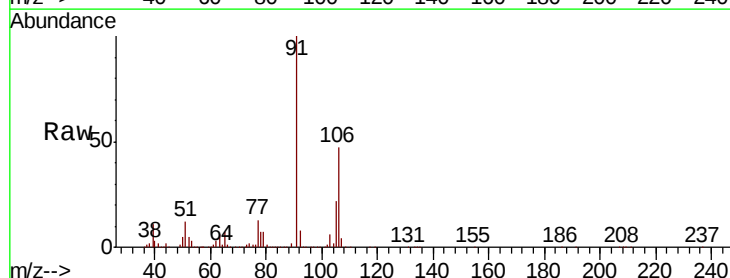
Acq: 16 Apr 2019 20:08

Tgt Ion: 106 Resp: 262293

Ion Ratio Lower Upper

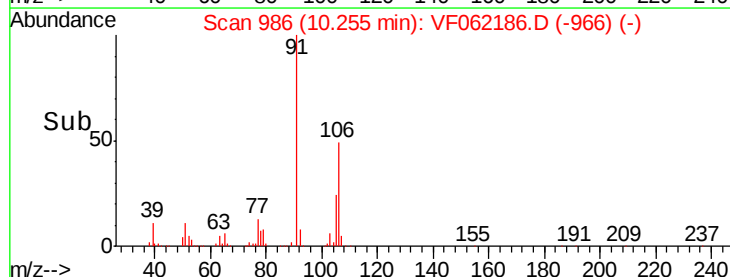
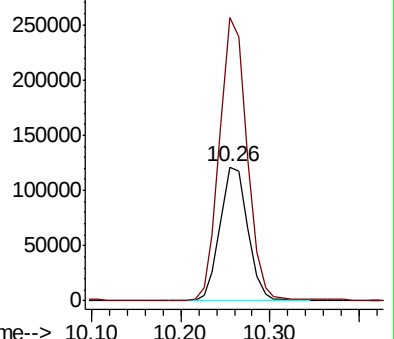
106 100

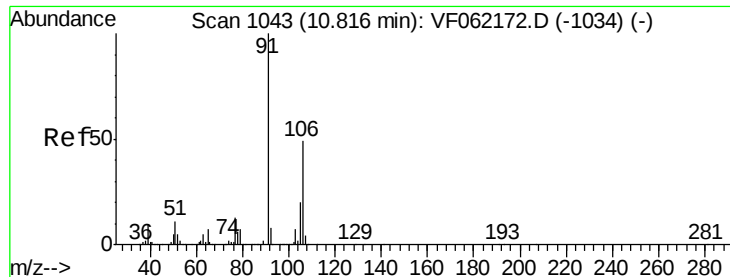
91 211.6 151.7 227.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

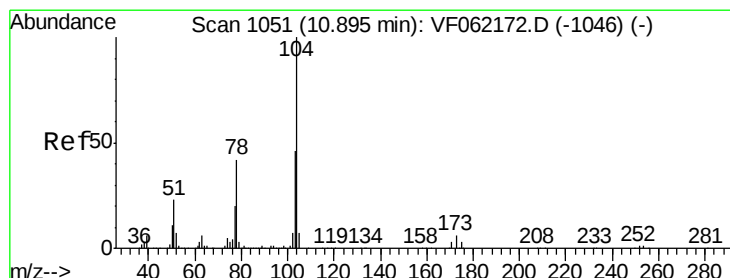
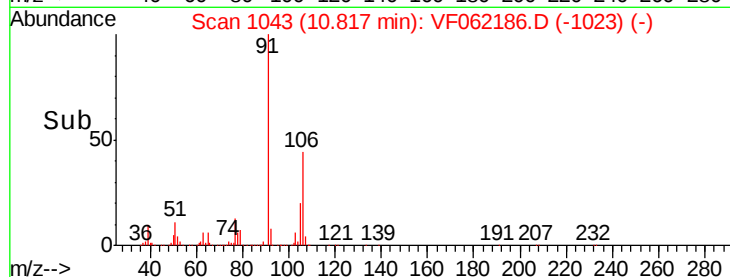
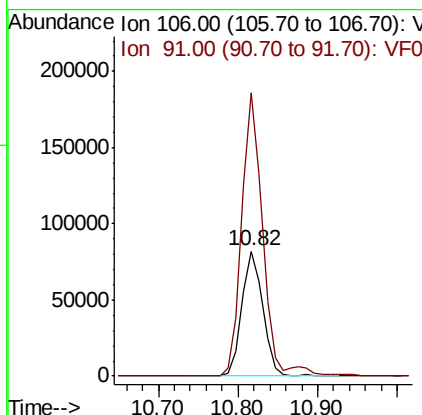
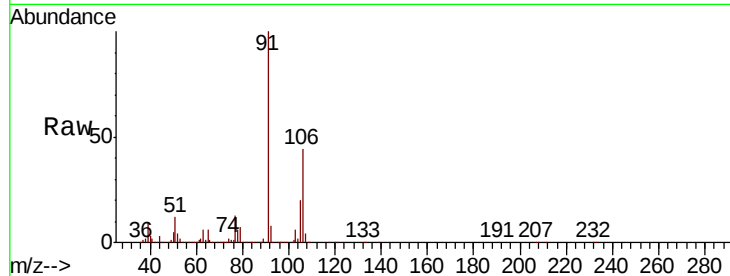




#69
o-Xylene
Concen: 23.223 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

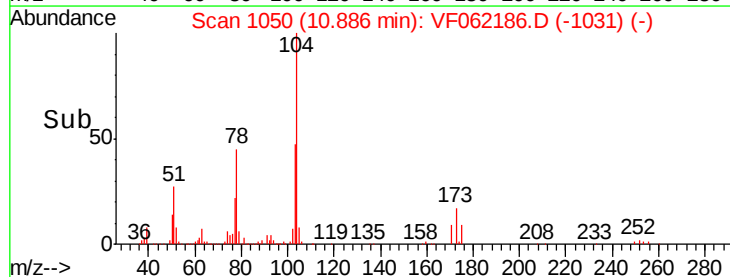
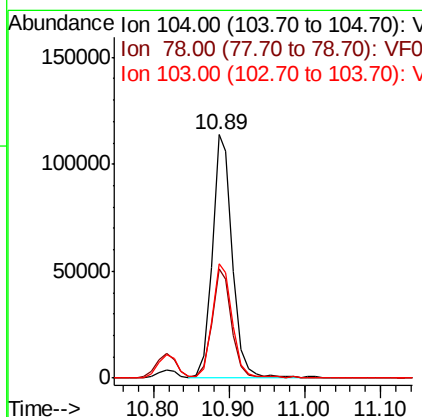
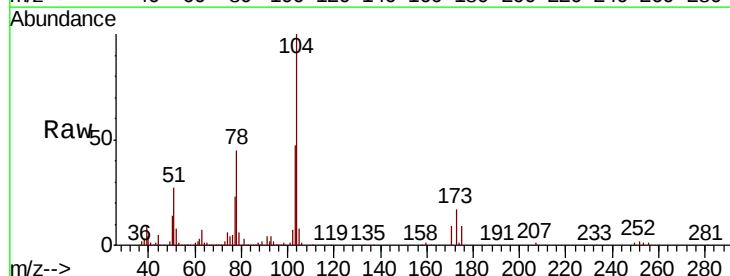
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

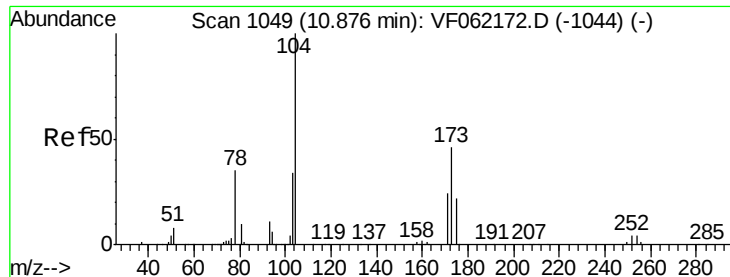
Tot Ion:106 Resp: 150381
Ion Ratio Lower Upper
106 100
91 226.3 101.9 305.7



#70
Styrene
Concen: 22.446 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Tgt Ion:104 Resp: 211387
Ion Ratio Lower Upper
104 100
78 44.6 33.7 50.5
103 47.0 37.2 55.8





#71

Bromoform

Concen: 22.933 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBSD01

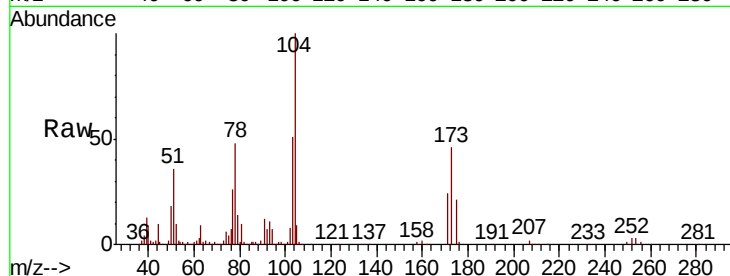
Tot Ion:173 Resp: 43460

Ion Ratio Lower Upper

173 100

175 46.4 24.3 72.8

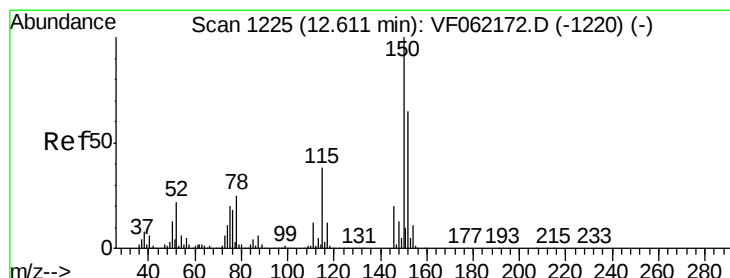
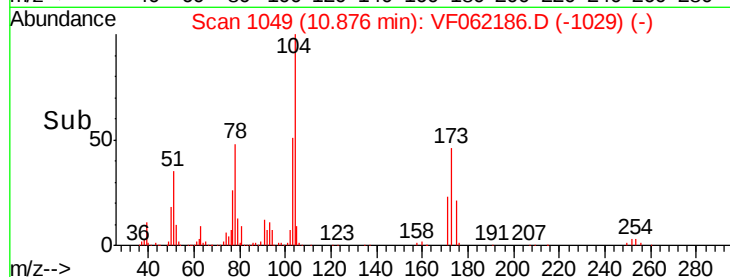
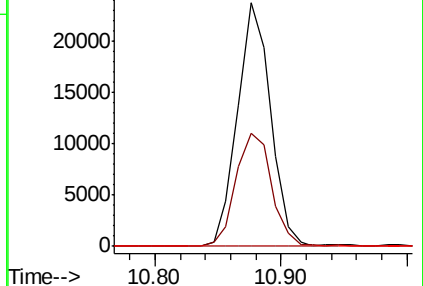
254 0.0 6.6 9.8#



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: 12.61 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

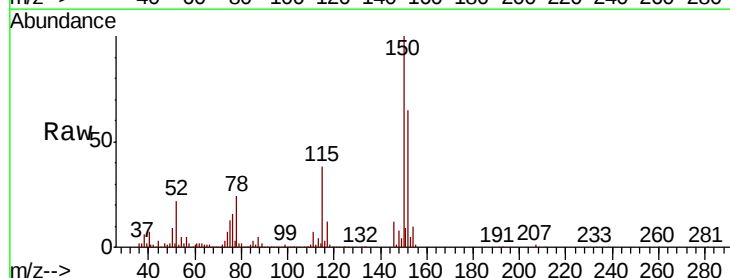
Tgt Ion:152 Resp: 232576

Ion Ratio Lower Upper

152 100

115 57.9 29.0 87.1

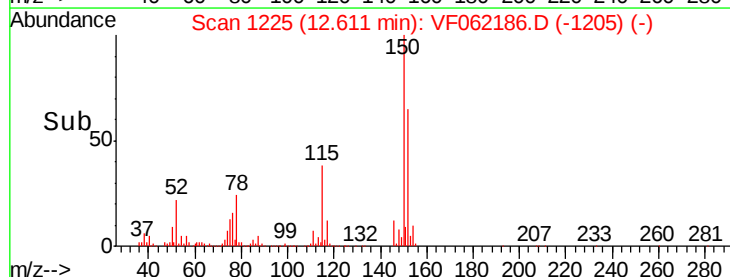
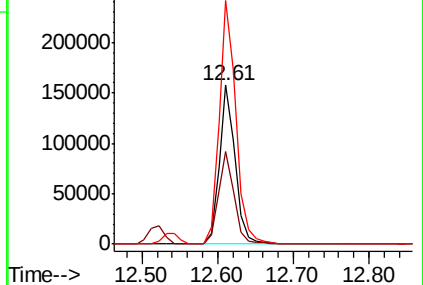
150 153.3 0.0 309.2

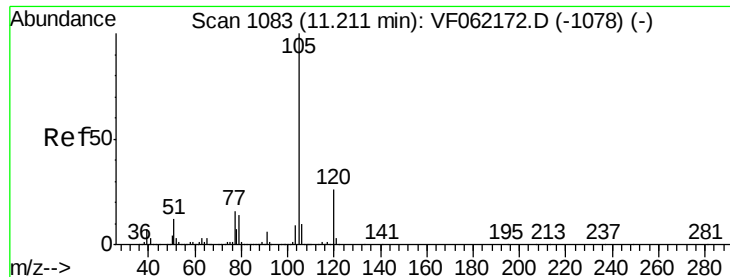


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.148 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

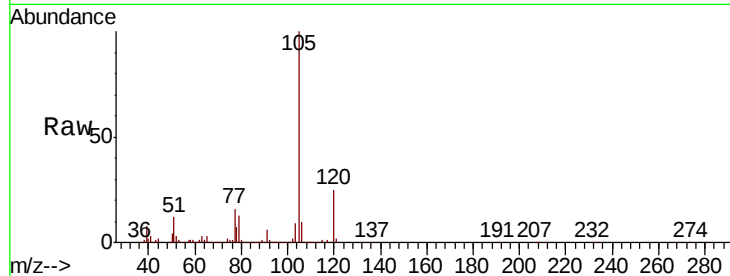
VF0416SBS01

Tot Ion:105 Resp: 443763

Ion Ratio Lower Upper

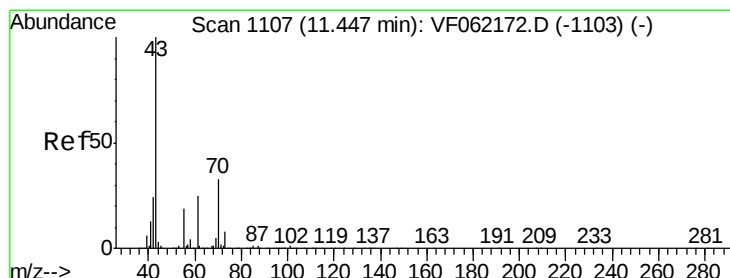
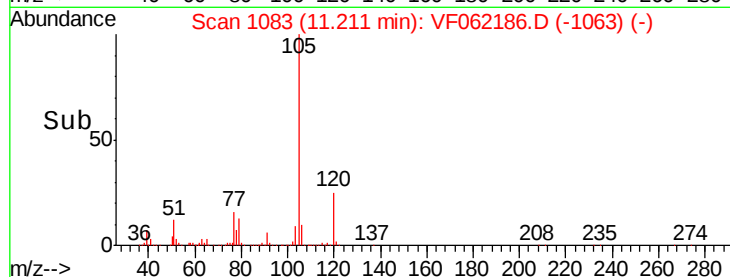
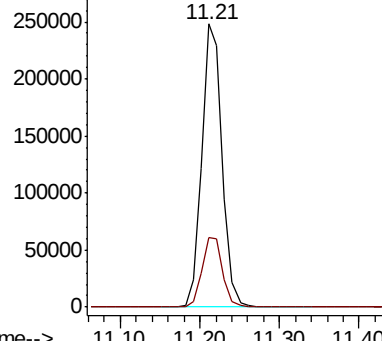
105 100

120 24.8 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.310 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Tgt Ion: 43 Resp: 117247

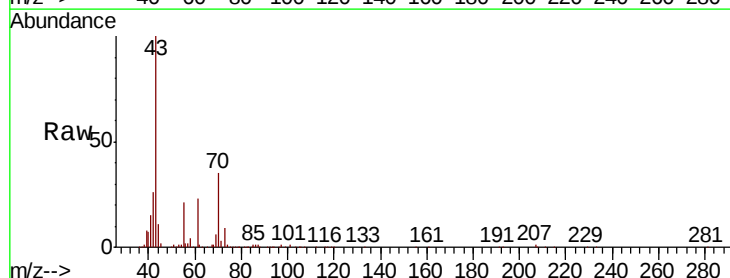
Ion Ratio Lower Upper

43 100

70 34.9 26.6 39.8

55 20.8 15.0 22.6

61 23.0 20.0 30.0

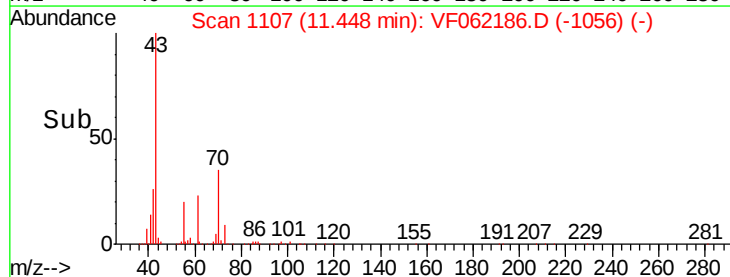
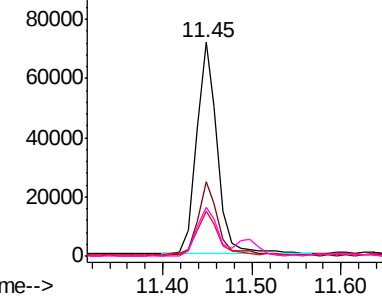


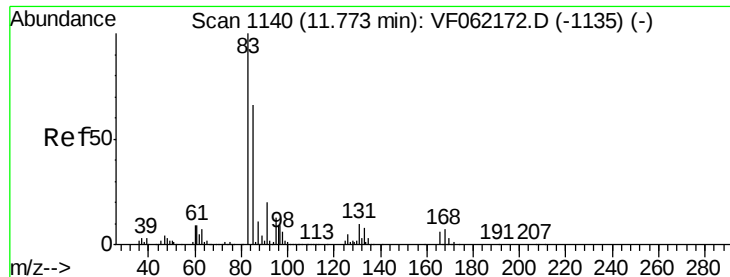
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 19.800 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

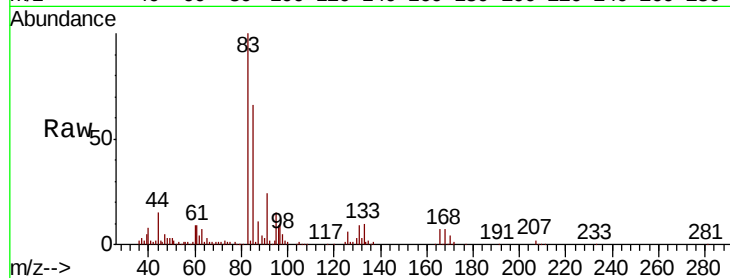
Tot Ion: 83 Resp: 70670

Ion Ratio Lower Upper

83 100

131 8.8 4.8 14.4

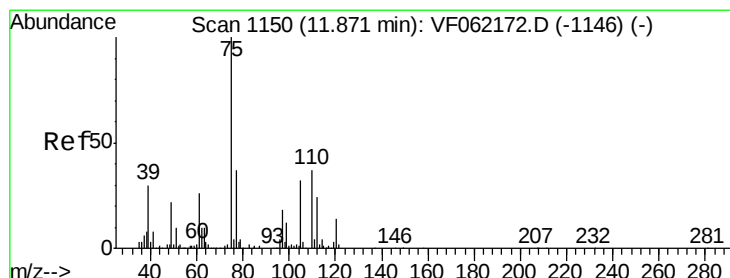
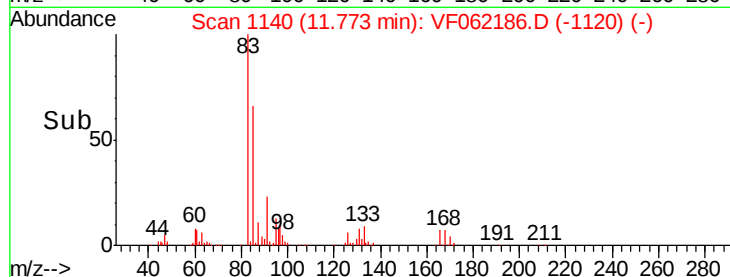
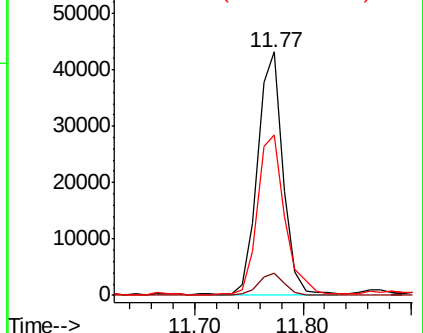
85 66.1 33.2 99.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.726 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VF062186.D

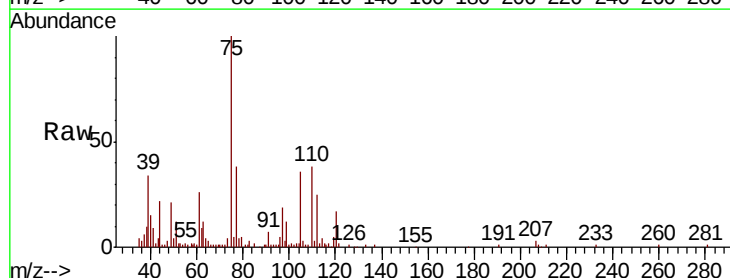
Acq: 16 Apr 2019 20:08

Tgt Ion: 75 Resp: 50168

Ion Ratio Lower Upper

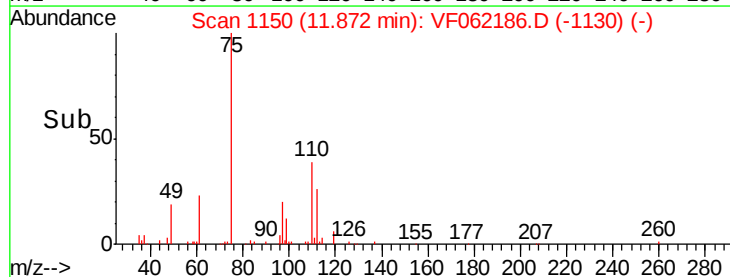
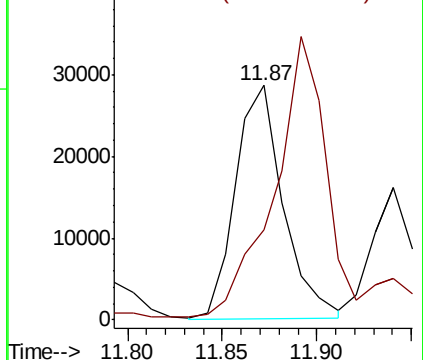
75 100

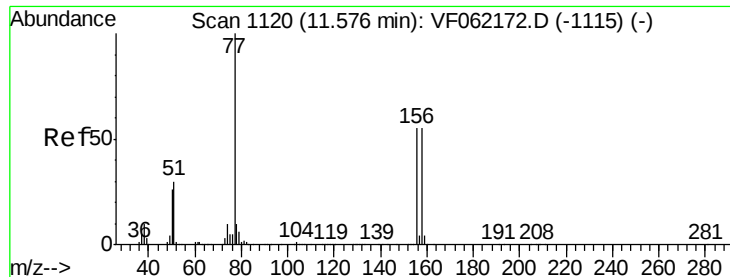
77 38.3 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.552 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

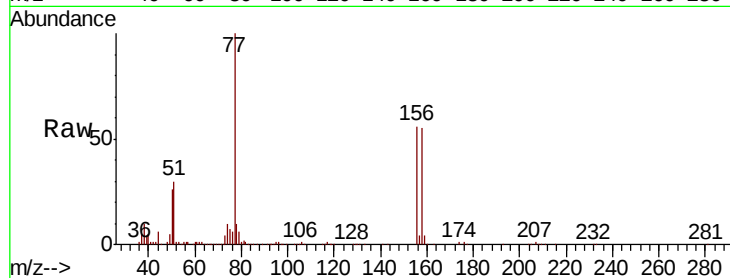
Tot Ion:156 Resp: 85641

Ion Ratio Lower Upper

156 100

77 180.0 91.1 273.4

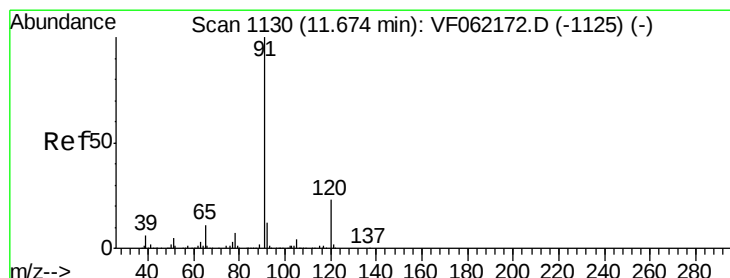
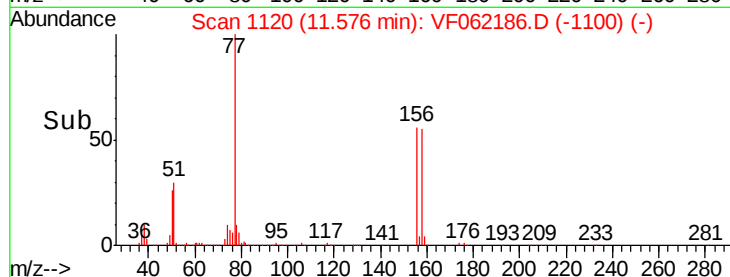
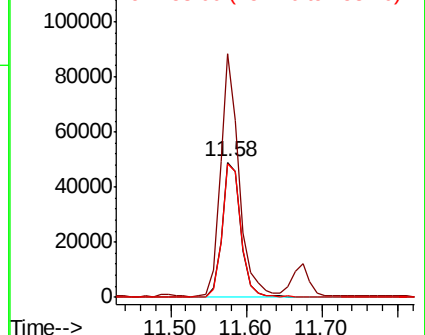
158 98.2 50.1 150.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.974 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF062186.D

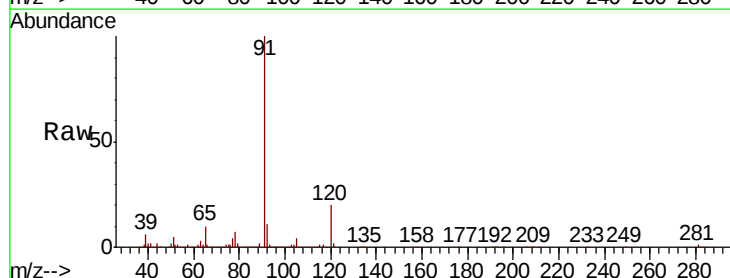
Acq: 16 Apr 2019 20:08

Tgt Ion: 91 Resp: 477684

Ion Ratio Lower Upper

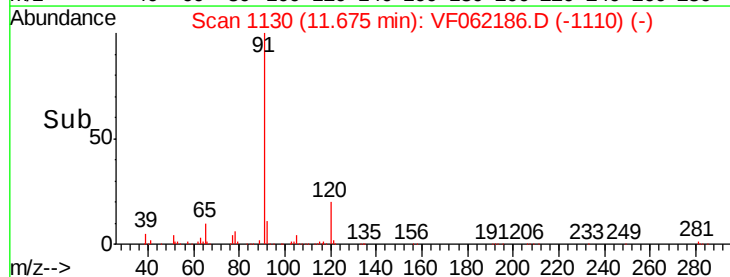
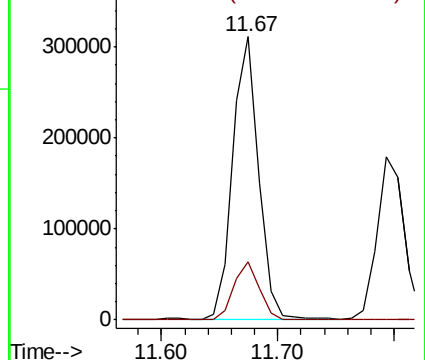
91 100

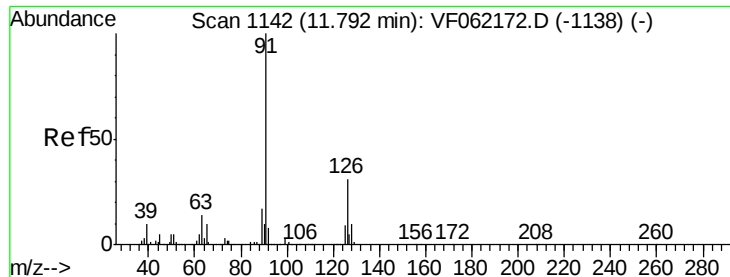
120 20.5 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

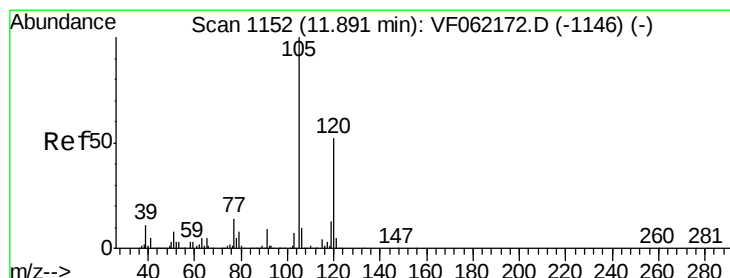
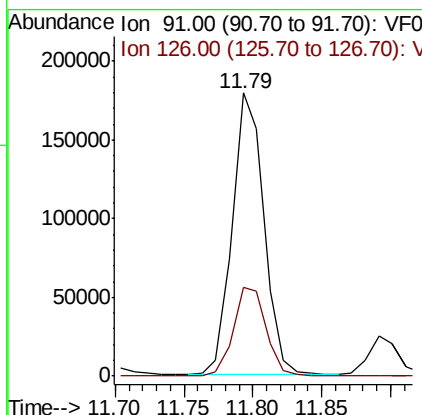
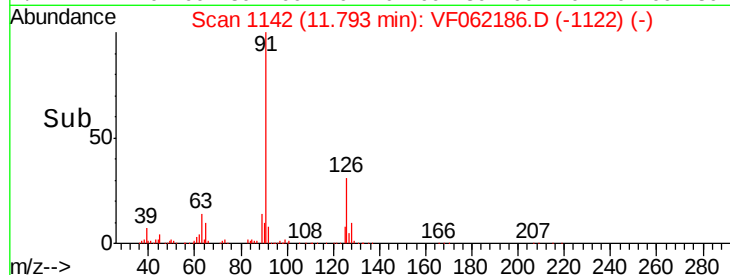
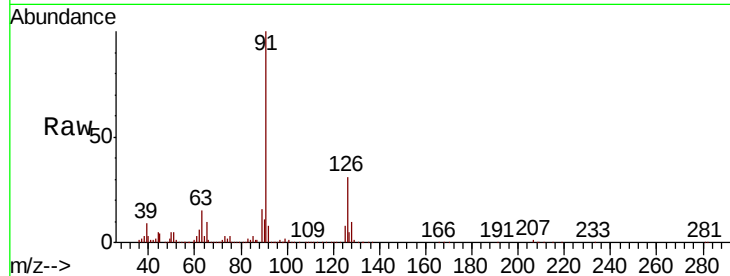




#79
 2-Chlorotoluene
 Concen: 21.346 ug/l
 RT: 11.79 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

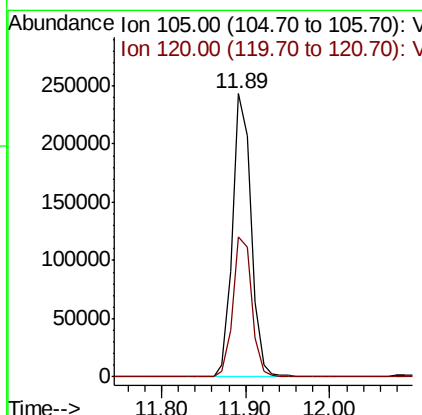
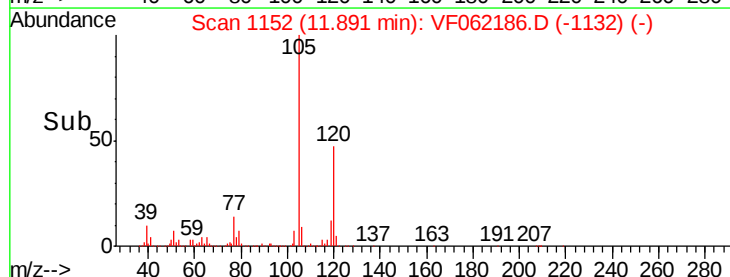
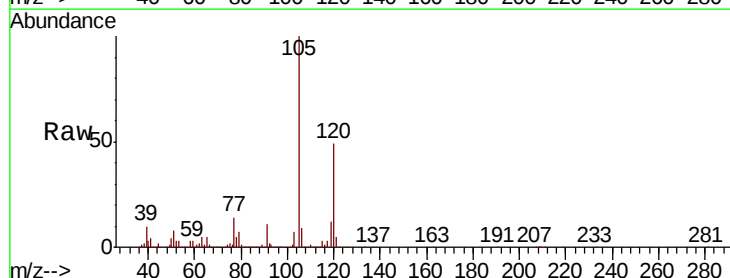
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

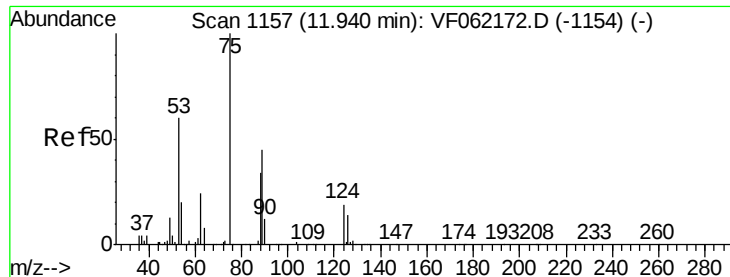
Tot Ion: 91 Resp: 286569
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 22.374 ug/l
 RT: 11.89 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

Tgt Ion:105 Resp: 373884
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.9 77.7





#81

trans-1,4-Dichloro-2-butene

Concen: 26.142 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

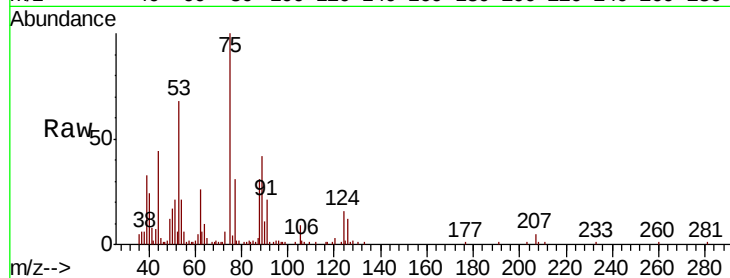
Tot Ion: 75 Resp: 31648

Ion Ratio Lower Upper

75 100

53 67.6 53.4 80.0

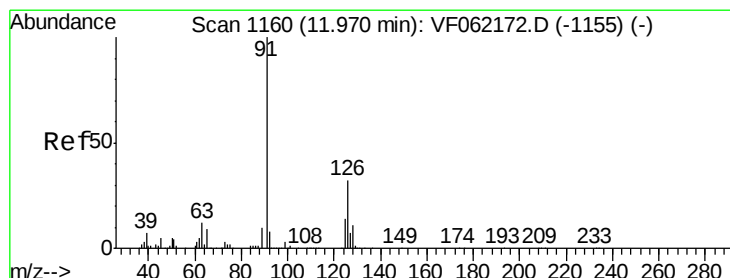
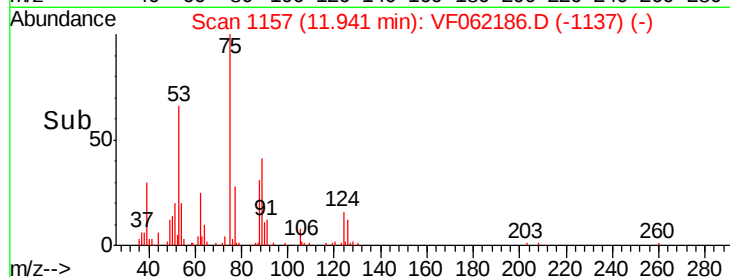
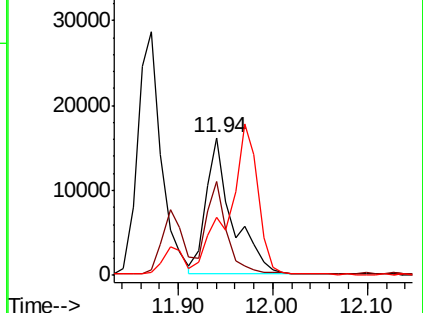
89 41.9 38.7 58.1



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: 20.897 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF062186.D

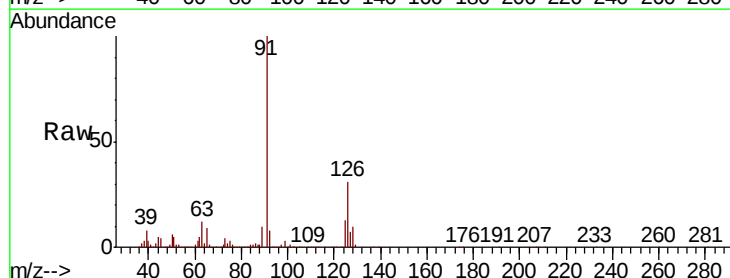
Acq: 16 Apr 2019 20:08

Tgt Ion: 91 Resp: 274921

Ion Ratio Lower Upper

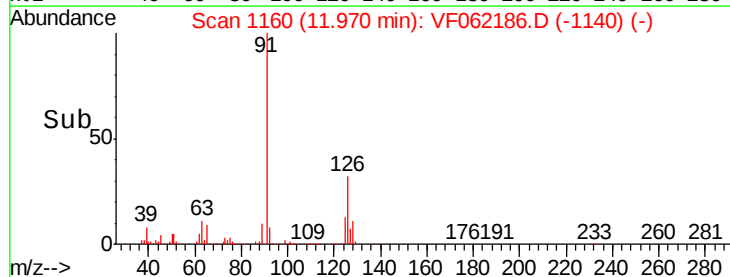
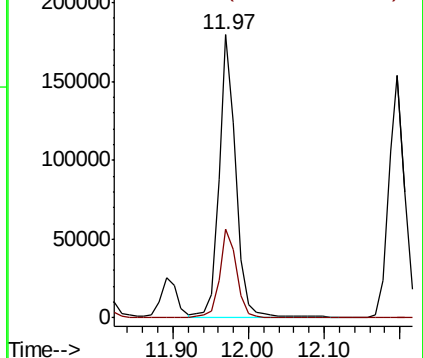
91 100

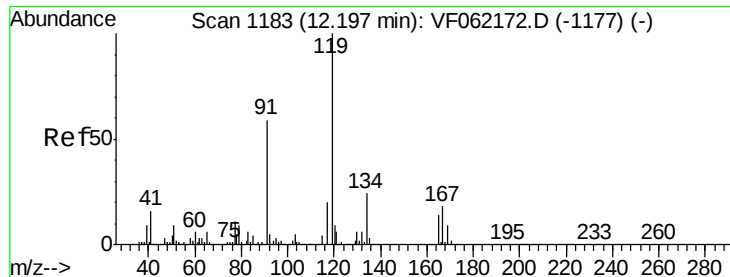
126 31.2 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

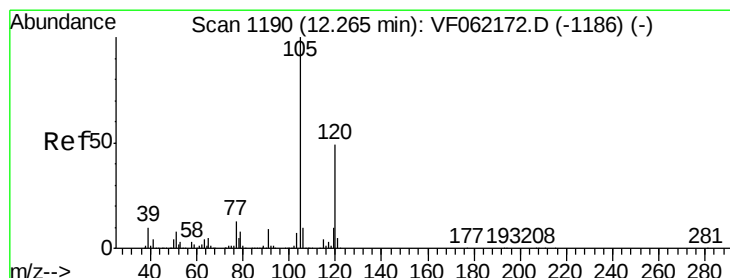
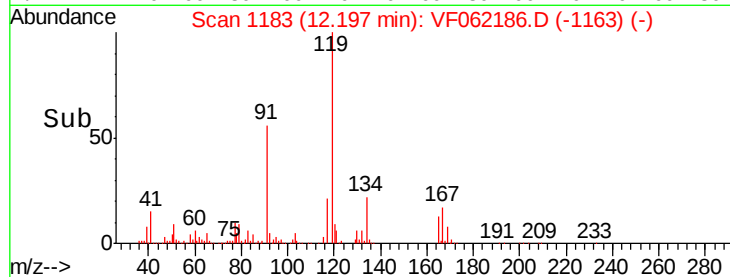
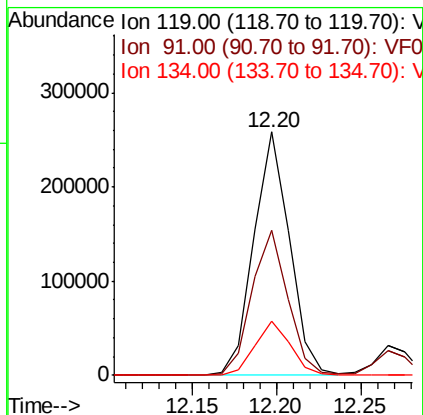
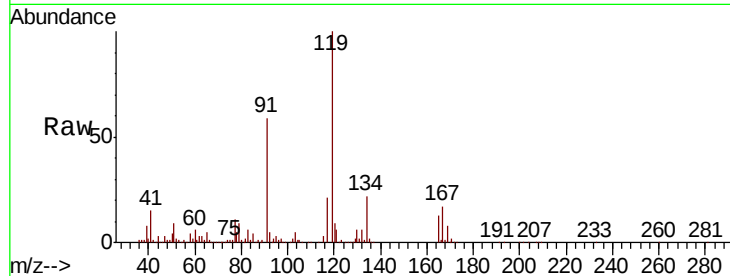




#83
tert-Butylbenzene
Concen: 23.014 ug/l
RT: 12.20 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

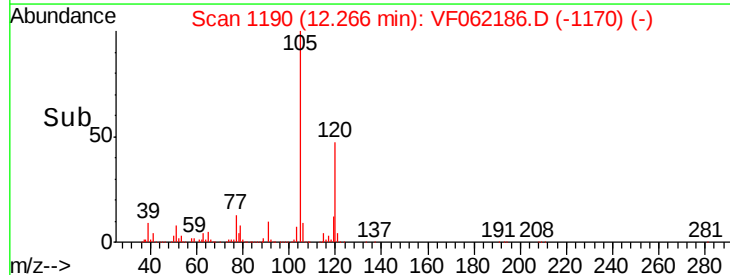
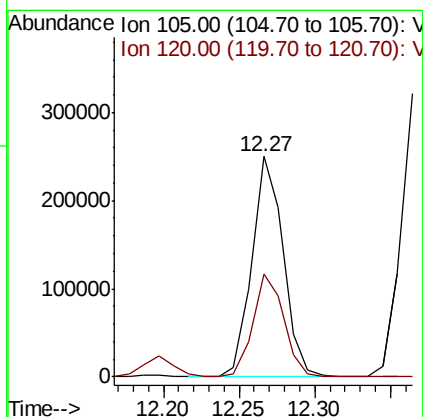
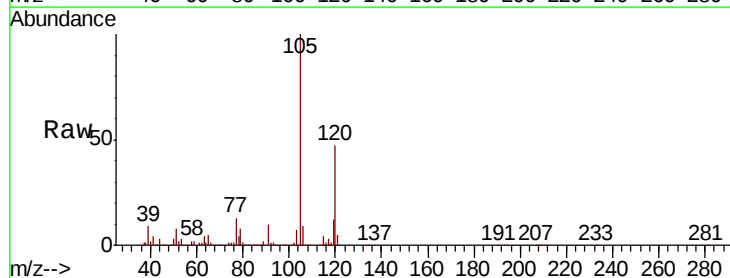
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

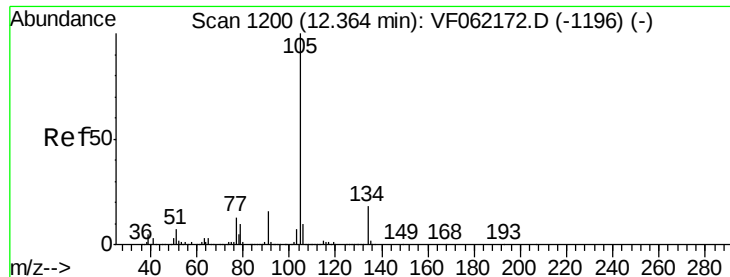
Tot Ion:119 Resp: 381888
Ion Ratio Lower Upper
119 100
91 59.5 29.5 88.5
134 22.2 12.0 36.1



#84
1,2,4-Trimethylbenzene
Concen: 22.261 ug/l
RT: 12.27 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VF062186.D
Acq: 16 Apr 2019 20:08

Tgt Ion:105 Resp: 361025
Ion Ratio Lower Upper
105 100
120 46.8 24.7 74.1





#85

sec-Butylbenzene

Concen: 22.972 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

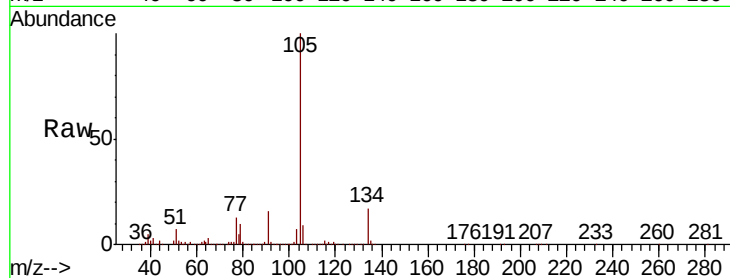
VF0416SBS01

Tot Ion:105 Resp: 501238

Ion Ratio Lower Upper

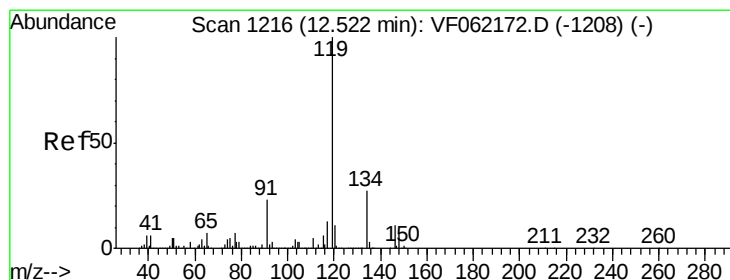
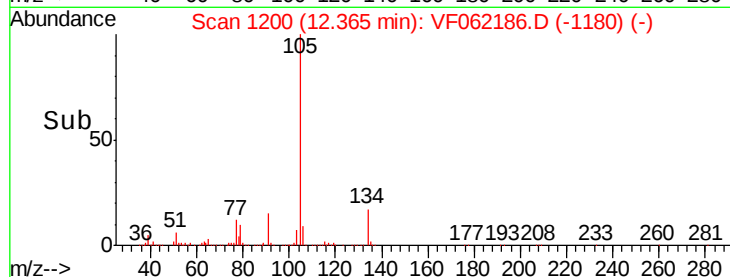
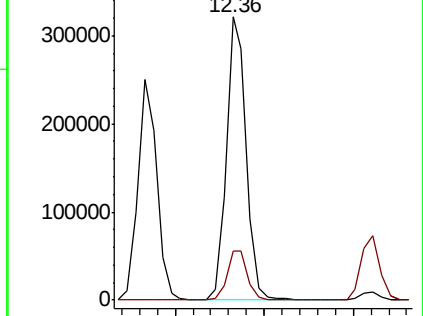
105 100

134 17.2 9.0 27.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.147 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

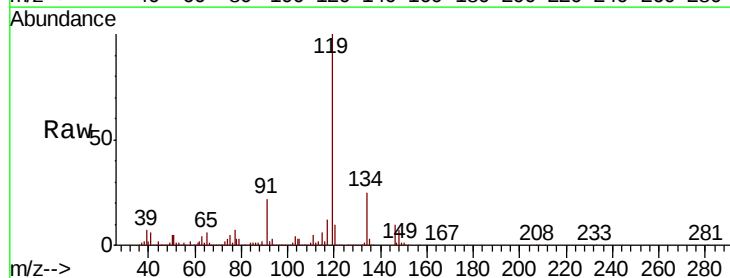
Tgt Ion:119 Resp: 430275

Ion Ratio Lower Upper

119 100

134 25.3 13.5 40.5

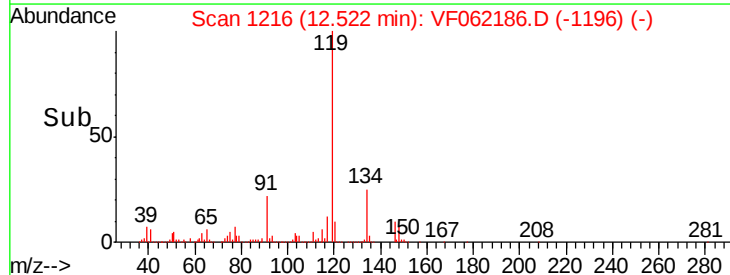
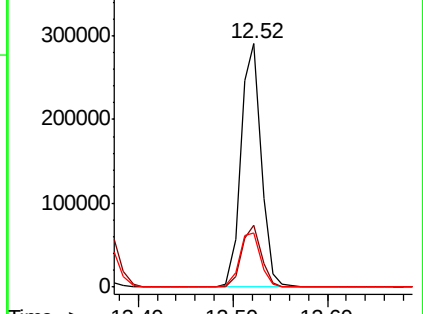
91 22.2 11.5 34.5

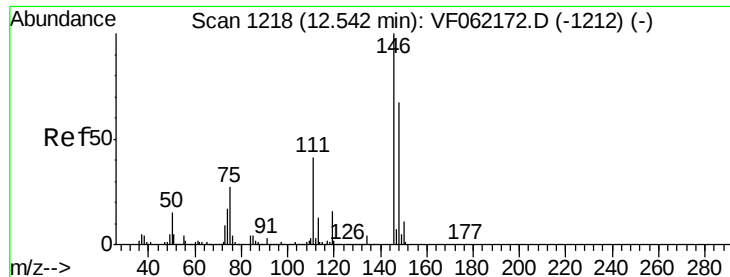


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

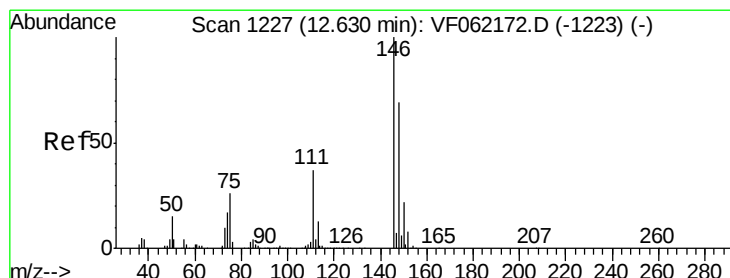
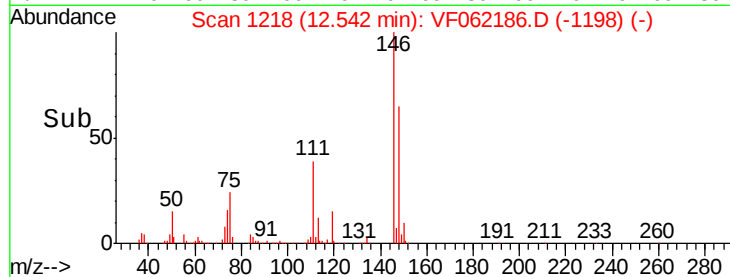
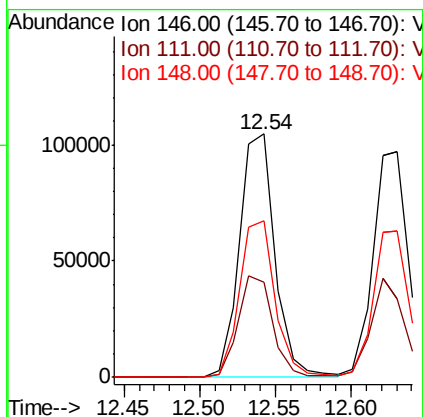
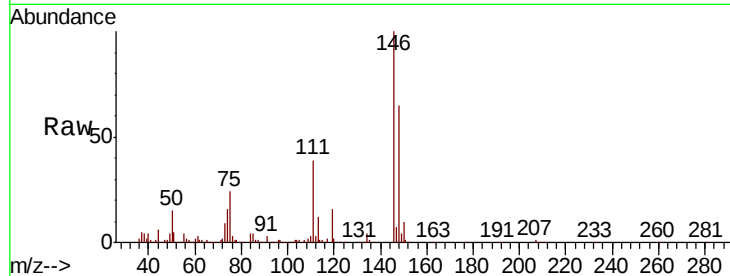




#87
 1,3-Dichlorobenzene
 Concen: 22.403 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

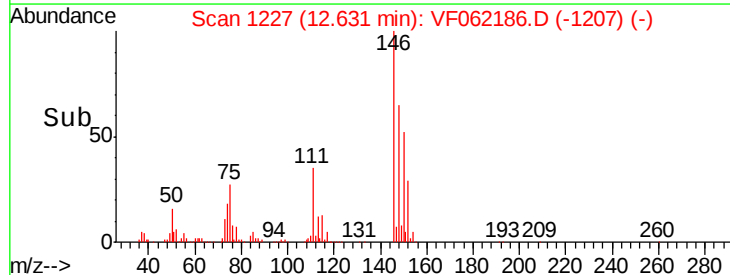
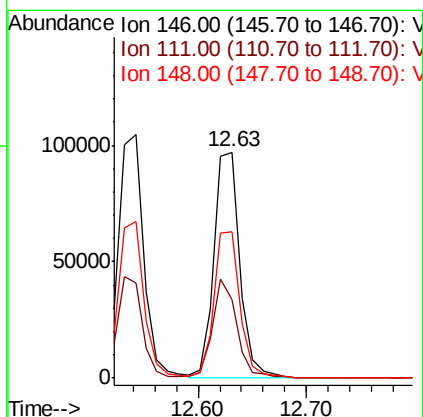
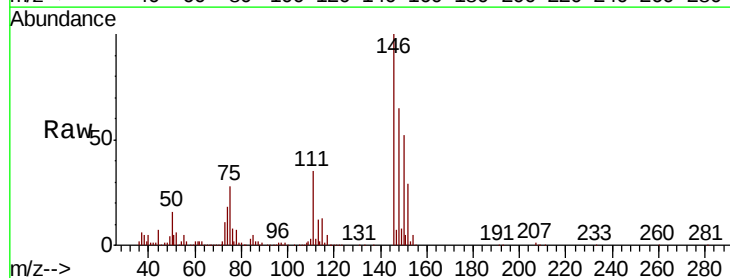
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

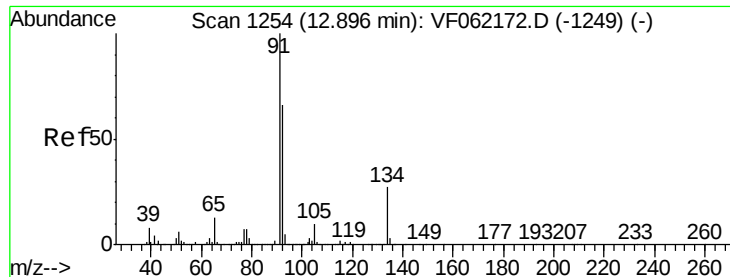
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.5	61.6
148	64.5	33.6	100.8



#88
 1,4-Dichlorobenzene
 Concen: 21.735 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	18.6	55.6
148	64.8	34.3	102.8





#89

n-Butylbenzene

Concen: 21.504 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

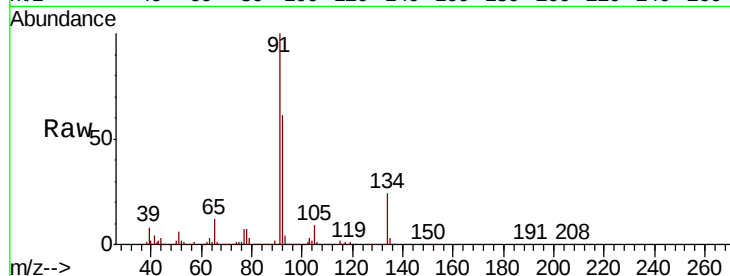
Tot Ion: 91 Resp: 421741

Ion Ratio Lower Upper

91 100

92 61.2 32.9 98.6

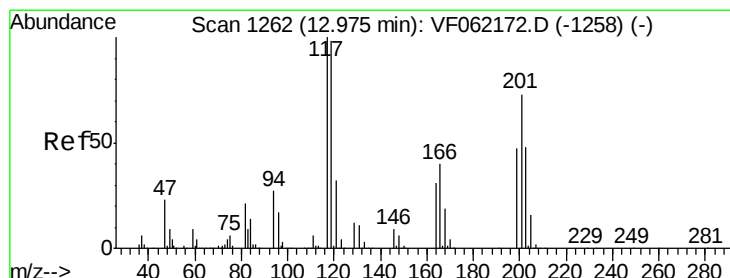
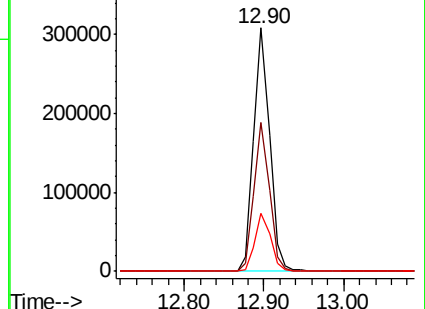
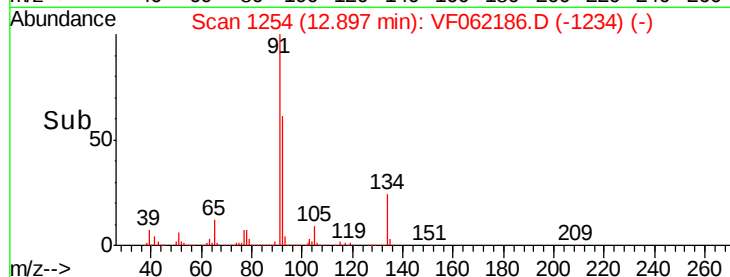
134 23.8 13.4 40.2



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: 23.424 ug/l

RT: 12.98 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VF062186.D

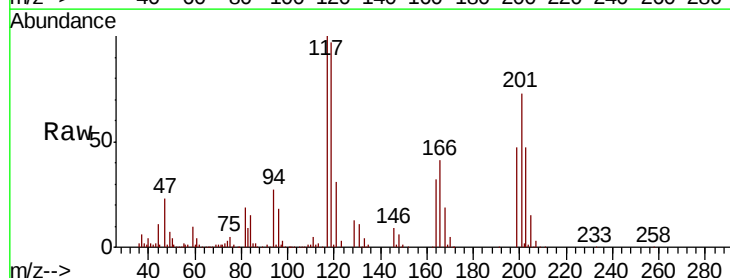
Acq: 16 Apr 2019 20:08

Tgt Ion: 117 Resp: 106660

Ion Ratio Lower Upper

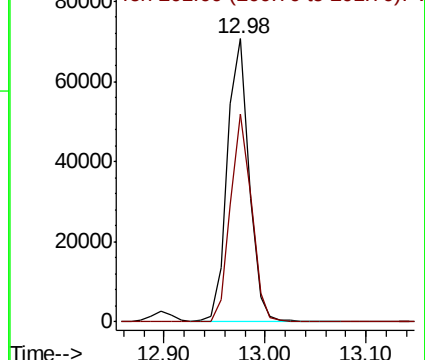
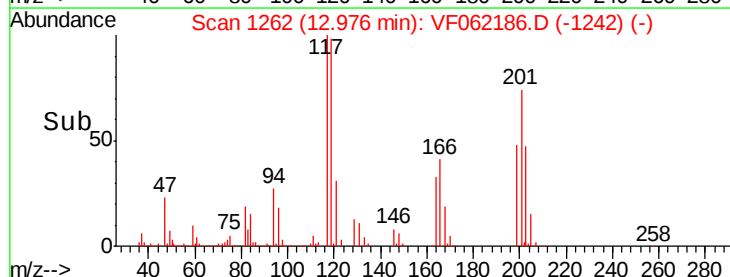
117 100

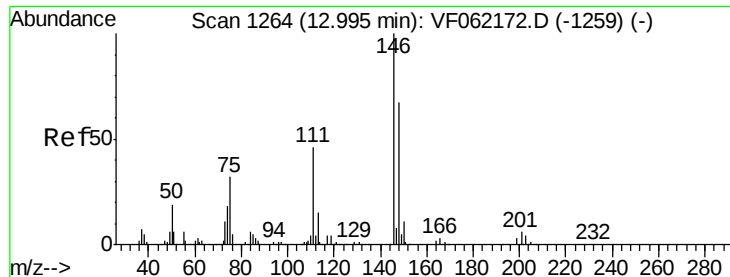
201 73.3 36.7 110.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 21.963 ug/l

RT: 13.00 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

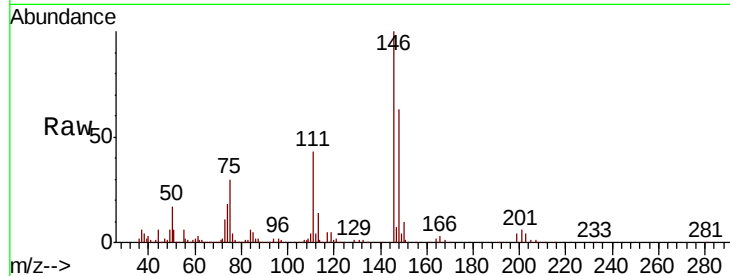
Tot Ion:146 Resp: 160692

Ion Ratio Lower Upper

146 100

111 42.7 22.9 68.8

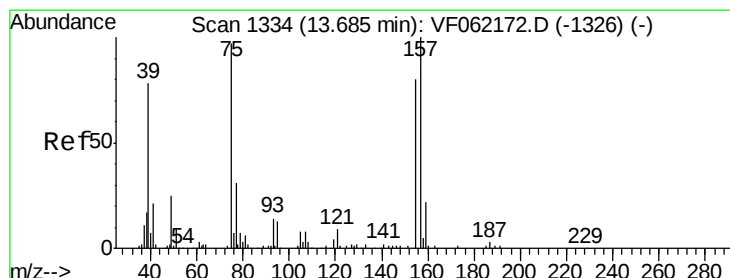
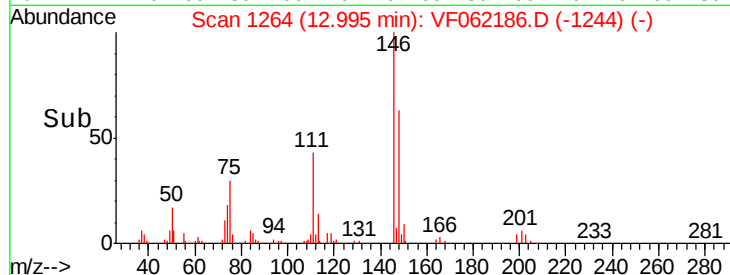
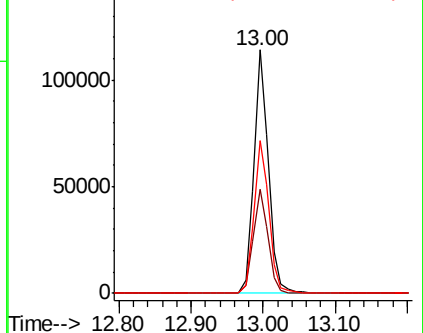
148 62.8 33.6 100.6



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.032 ug/l

RT: 13.69 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

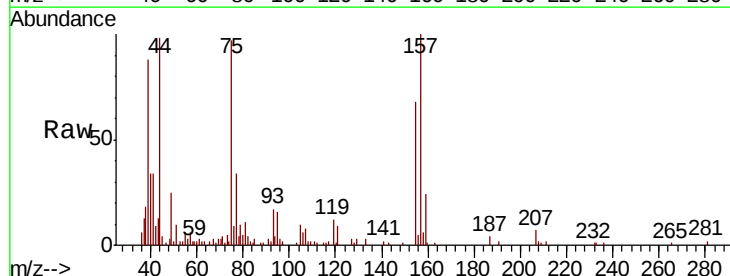
Tgt Ion: 75 Resp: 13520

Ion Ratio Lower Upper

75 100

155 69.7 41.0 123.0

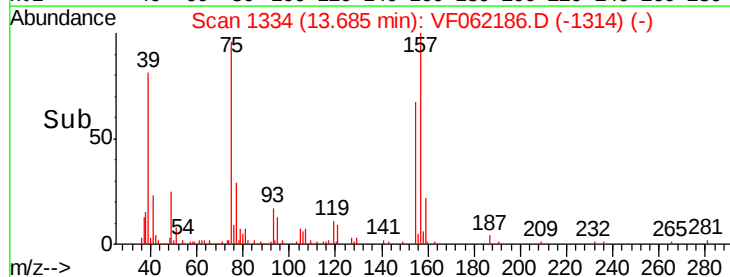
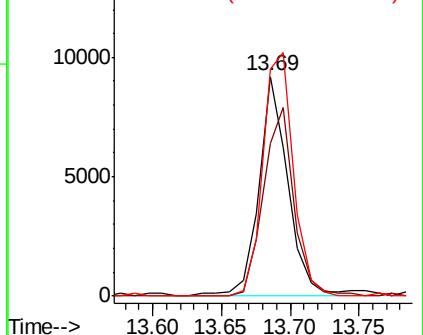
157 103.1 51.3 154.0

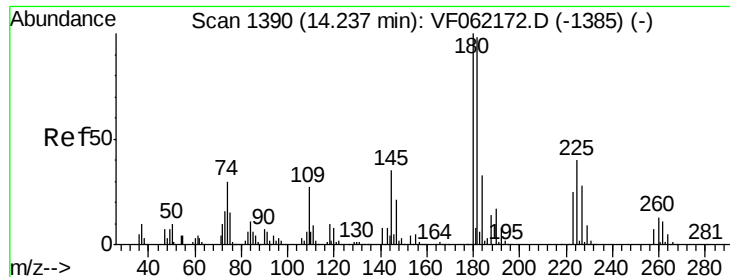


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

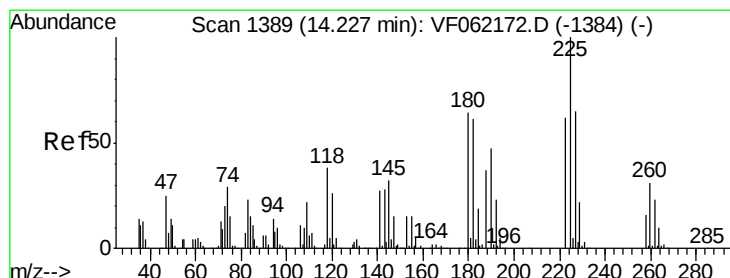
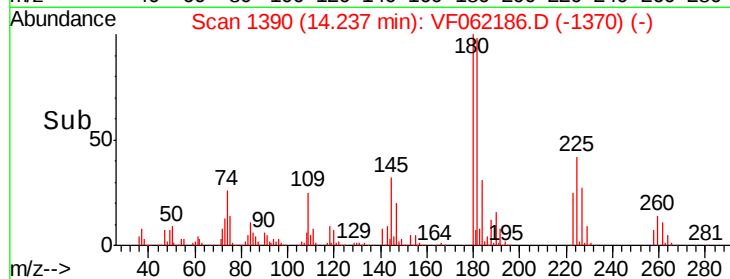
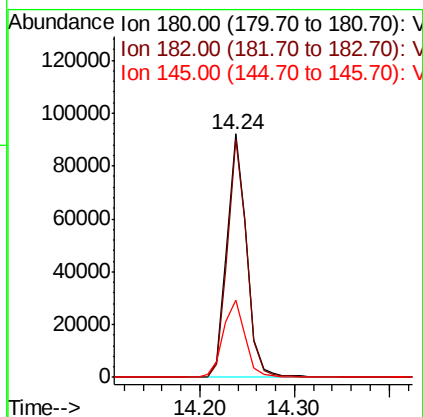
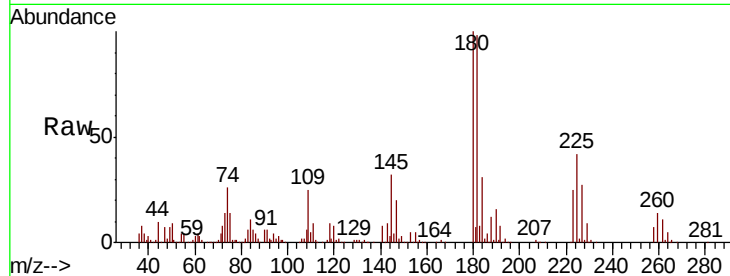




#93
 1,2,4-Trichlorobenzene
 Concen: 24.172 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

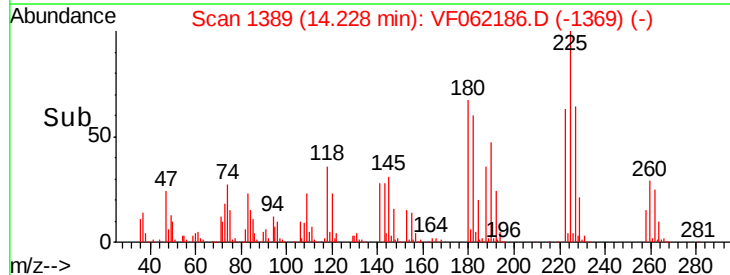
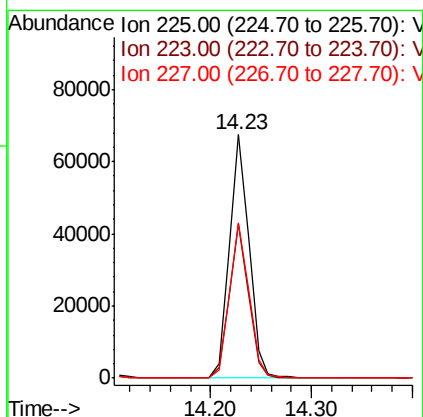
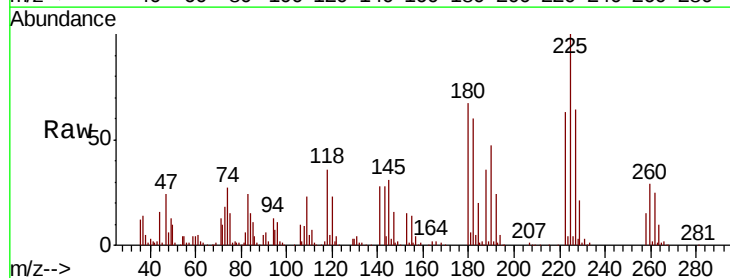
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

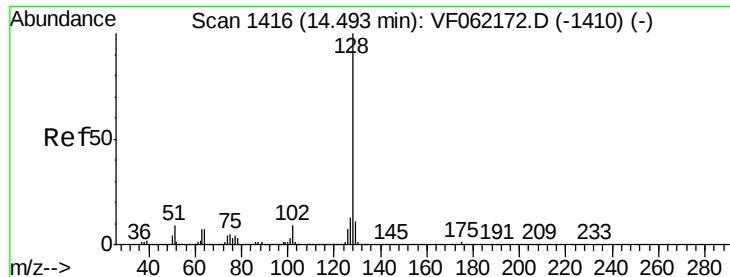
Tot Ion:180 Resp: 132822
 Ion Ratio Lower Upper
 180 100
 182 97.7 48.8 146.4
 145 31.9 17.3 52.0



#94
 Hexachlorobutadiene
 Concen: 25.308 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VF062186.D
 Acq: 16 Apr 2019 20:08

Tgt Ion:225 Resp: 90629
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.9 92.7
 227 63.7 32.3 96.9





#95

Naphthalene

Concen: 24.327 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

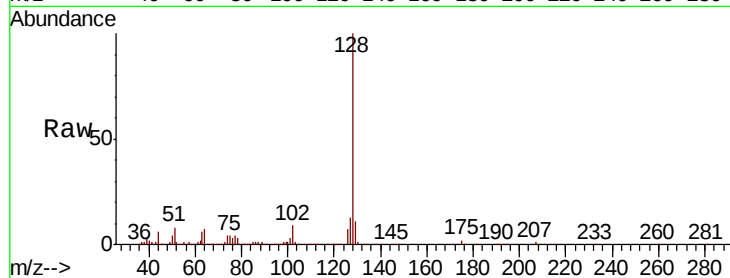
Tot Ion:128 Resp: 233542

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

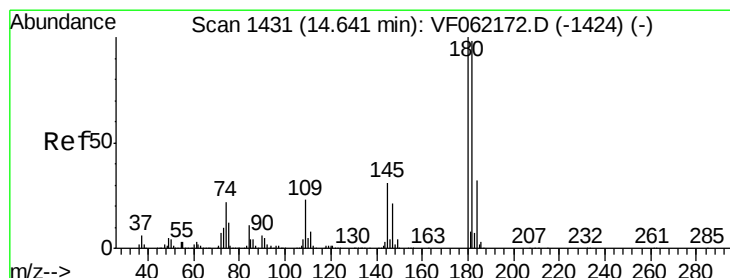
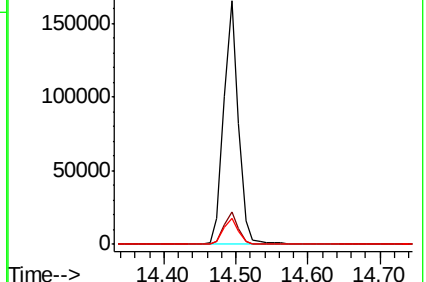
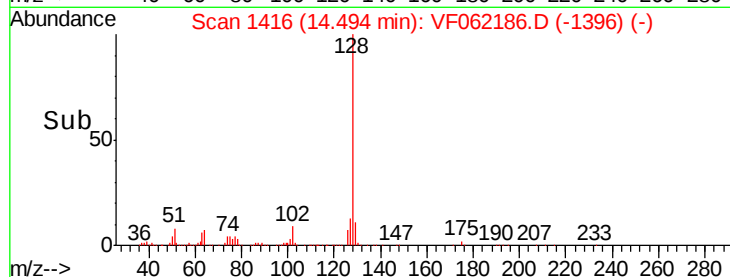
129 10.9 9.2 13.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 25.226 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VF062186.D

Acq: 16 Apr 2019 20:08

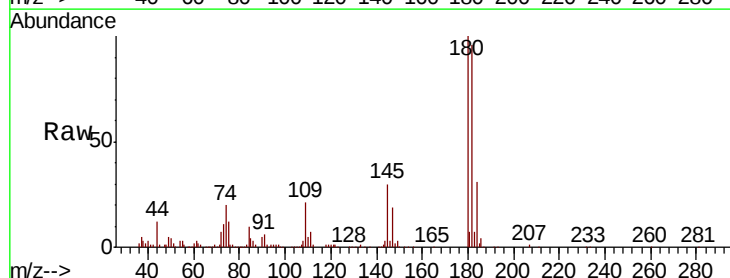
Tgt Ion:180 Resp: 129142

Ion Ratio Lower Upper

180 100

182 95.8 49.0 147.2

145 30.2 15.4 46.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

