

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062185.D
 Acq On : 16 Apr 2019 19:39
 Operator : FY/SY
 Sample : VF0416SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

Quant Time: Apr 17 08:08:39 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	400826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	620129	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	498443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	271967	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	190397	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	
35) Dibromofluoromethane	4.31	113	249742	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
50) Toluene-d8	7.71	98	667605	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	11.49	95	279495	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	142701	24.265	ug/l	98
3) Chloromethane	1.14	50	145057	22.919	ug/l	97
4) Vinyl Chloride	1.19	62	131797	23.802	ug/l	99
5) Bromomethane	1.36	94	66204	18.592	ug/l	98
6) Chloroethane	1.43	64	49991	19.068	ug/l	98
7) Trichlorofluoromethane	1.55	101	150588	22.738	ug/l	99
8) Diethyl Ether	1.71	74	34170	25.559	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.89	101	106173	24.546	ug/l	94
10) Methyl Iodide	1.97	142	196980	24.464	ug/l	98
11) Tert butyl alcohol	2.69	59	23672	118.318	ug/l	98
12) 1,1-Dichloroethene	1.86	96	100248	22.788	ug/l	97
13) Acrolein	2.10	56	17536	111.269	ug/l #	80
14) Allyl chloride	2.20	41	172850	26.095	ug/l	98
15) Acrylonitrile	3.09	53	81336	109.410	ug/l	98
16) Acetone	2.35	43	85881	105.529	ug/l	96
17) Carbon Disulfide	1.91	76	295285	23.696	ug/l	98
18) Methyl Acetate	2.45	43	44210	22.001	ug/l	92
19) Methyl tert-butyl Ether	2.54	73	177639	24.277	ug/l	98
20) Methylene Chloride	2.29	84	123918	29.545	ug/l	97
21) trans-1,2-Dichloroethene	2.42	96	98144	23.318	ug/l	97
22) Diisopropyl ether	2.94	45	307542	24.978	ug/l	98
23) Vinyl Acetate	3.34	43	695471	113.237	ug/l	99
24) 1,1-Dichloroethane	3.01	63	170484	24.864	ug/l	99
25) 2-Butanone	4.52	43	182241	104.247	ug/l	99
26) 2,2-Dichloropropane	3.78	77	90849	25.191	ug/l	96
27) cis-1,2-Dichloroethene	3.65	96	127209	22.769	ug/l	97
28) Bromochloromethane	3.90	49	70345	21.425	ug/l	92
29) Tetrahydrofuran	4.27	42	84387	108.532	ug/l	97
30) Chloroform	4.05	83	200436	23.513	ug/l	97
31) Cyclohexane	3.88	56	193436	21.837	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	156664	26.952	ug/l	99
36) 1,1-Dichloropropene	4.48	75	155867	22.622	ug/l	99
37) Ethyl Acetate	4.30	43	67878	21.380	ug/l #	80
38) Carbon Tetrachloride	4.19	117	168381	28.393	ug/l	96

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 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)
39) Methylcyclohexane	5.64	83	196597	22.769	ug/l	98
40) Benzene	4.82	78	408137	22.425	ug/l	98
41) Methacrylonitrile	4.93	41	40641	21.305	ug/l	96
42) 1,2-Dichloroethane	5.13	62	99930	21.694	ug/l	99
43) Isopropyl Acetate	7.12	43	75756	20.653	ug/l #	96
44) Trichloroethene	5.69	130	107788	22.127	ug/l	94
45) 1,2-Dichloropropane	6.41	63	97502	21.837	ug/l	99
46) Dibromomethane	6.26	93	58455	21.711	ug/l	94
47) Bromodichloromethane	6.56	83	133653	21.912	ug/l	97
48) Methyl methacrylate	6.88	41	53516	22.283	ug/l	95
49) 1,4-Dioxane	6.88	88	9331	498.584	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	281916	99.738	ug/l	98
52) Toluene	7.78	92	221171	20.686	ug/l	90
53) t-1,3-Dichloropropene	8.43	75	105432	19.955	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	141829	21.111	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	61431	20.061	ug/l	93
56) Ethyl methacrylate	8.75	69	75759	20.806	ug/l	97
57) 1,3-Dichloropropane	9.00	76	101016	20.066	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.45	63	88599	94.437	ug/l	98
59) 2-Hexanone	9.62	43	192091	106.931	ug/l	94
60) Dibromochloromethane	8.86	129	81372	19.313	ug/l	98
61) 1,2-Dibromoethane	9.13	107	69368	21.174	ug/l	92
64) Tetrachloroethene	8.31	164	89636	22.018	ug/l	96
65) Chlorobenzene	9.94	112	227866	21.976	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	102593	23.966	ug/l	98
67) Ethyl Benzene	10.03	91	433236	22.540	ug/l	98
68) m/p-Xylenes	10.26	106	322931	45.641	ug/l	95
69) o-Xylene	10.81	106	176508	23.041	ug/l	91
70) Styrene	10.89	104	253067	22.716	ug/l	99
71) Bromoform	10.88	173	53288	23.770	ug/l #	94
73) Isopropylbenzene	11.22	105	506407	21.614	ug/l	99
74) N-amyl acetate	11.44	43	124517	20.740	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	85339	20.447	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	57422	20.287	ug/l	97
77) Bromobenzene	11.58	156	103256	21.191	ug/l	84
78) n-propylbenzene	11.67	91	568976	21.364	ug/l	94
79) 2-Chlorotoluene	11.80	91	336052	21.407	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	418459	21.414	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	39803	28.116	ug/l	97
82) 4-Chlorotoluene	11.98	91	328916	21.380	ug/l	98
83) tert-Butylbenzene	12.19	119	431610	22.243	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	406908	21.456	ug/l	95
85) sec-Butylbenzene	12.37	105	564907	22.140	ug/l	98
86) p-Isopropyltoluene	12.52	119	477872	21.984	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	198767	22.296	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	189235	21.771	ug/l	97
89) n-Butylbenzene	12.89	91	482493	20.982	ug/l	94
90) Hexachloroethane	12.97	117	116388	21.859	ug/l	90
91) 1,2-Dichlorobenzene	13.00	146	186431	21.791	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	16301	21.685	ug/l	82

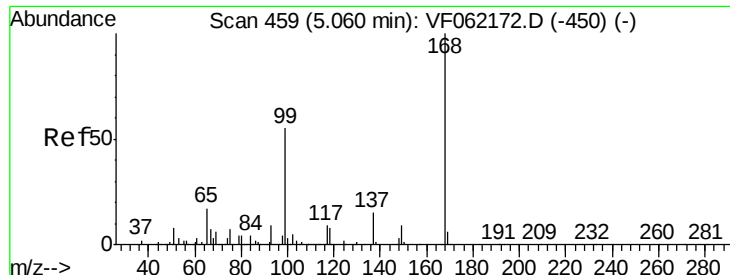
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041619\
Data File : VF062185.D
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QLast Update : Wed Apr 17 07:56:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	148610	23.128	ug/l	96
94) Hexachlorobutadiene	14.22	225	100542	24.010	ug/l	97
95) Naphthalene	14.49	128	242254	21.580	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	136876	22.864	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: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

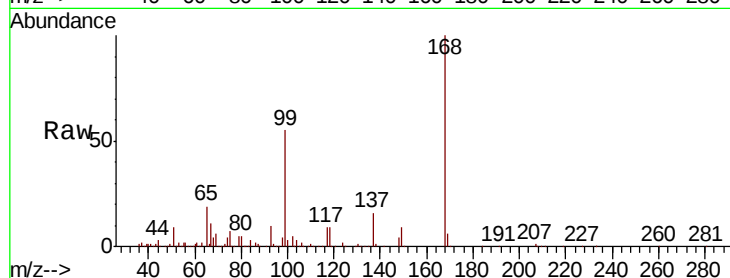
VF0416SBS01

Tot Ion:168 Resp: 400826

Ion Ratio Lower Upper

168 100

99 54.6 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

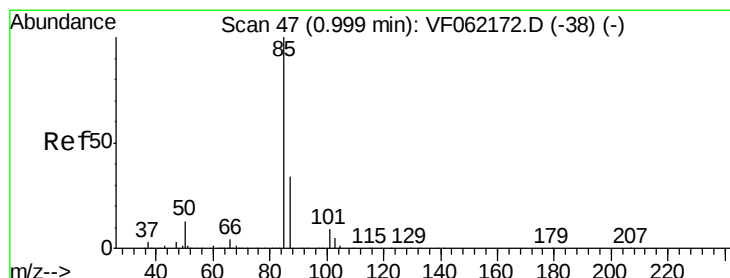
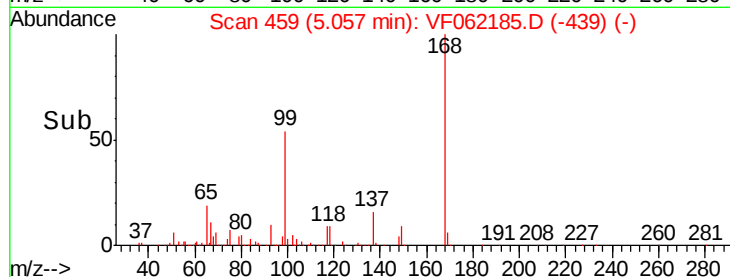
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.265 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062185.D

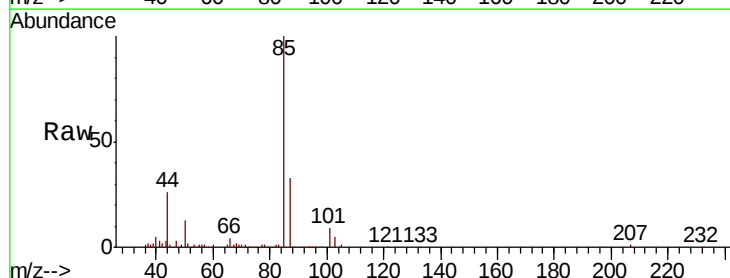
Acq: 16 Apr 2019 19:39

Tgt Ion: 85 Resp: 142701

Ion Ratio Lower Upper

85 100

87 32.7 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

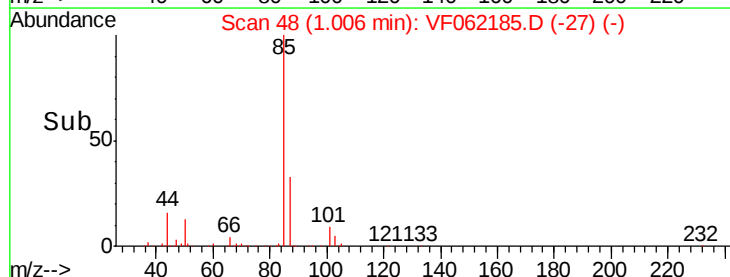
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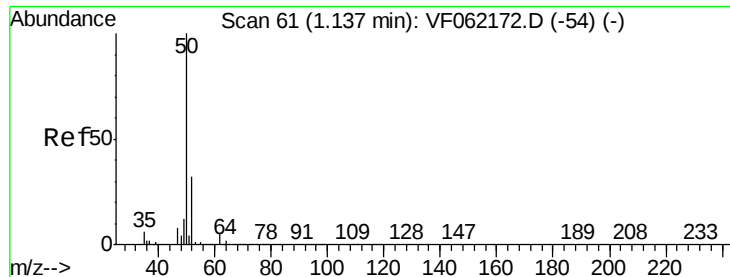
20000

10000

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Time-->





#3

Chloromethane

Concen: 22.919 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

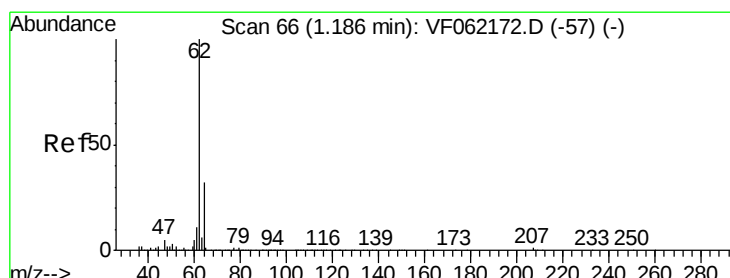
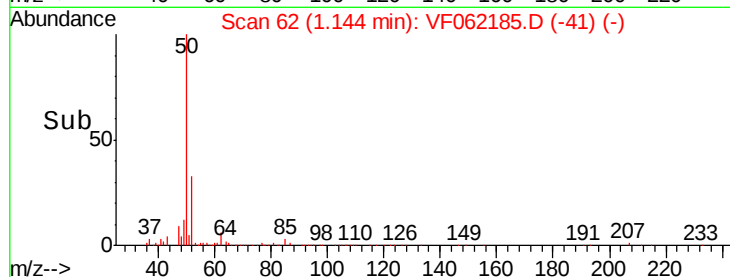
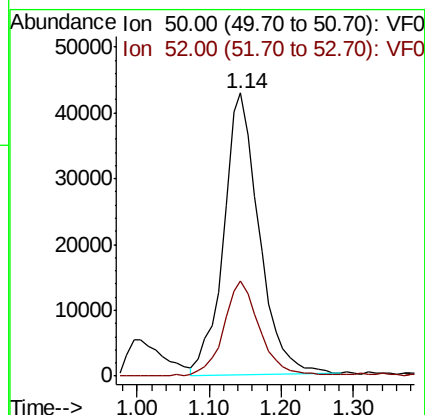
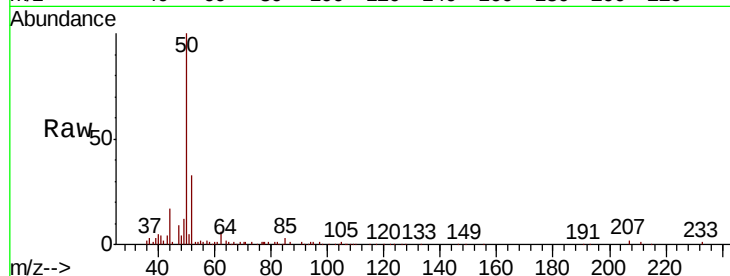
VF0416SBS01

Tot Ion: 50 Resp: 145057

Ion Ratio Lower Upper

50 100

52 33.4 25.4 38.2



#4

Vinyl Chloride

Concen: 23.802 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062185.D

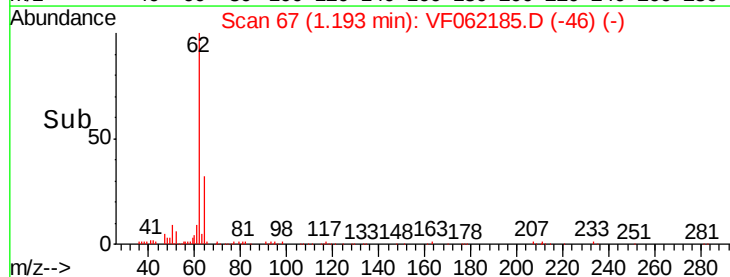
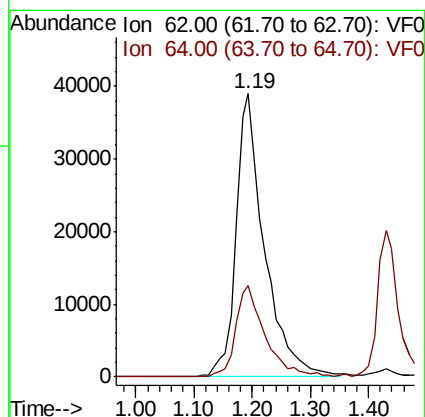
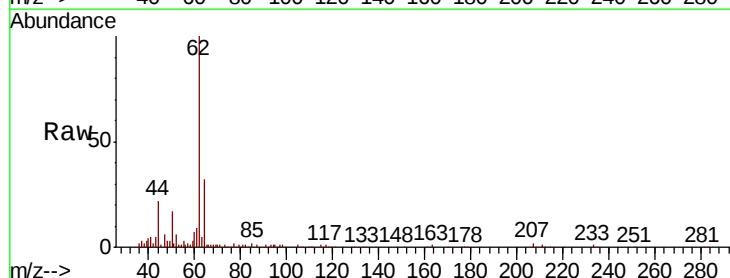
Acq: 16 Apr 2019 19:39

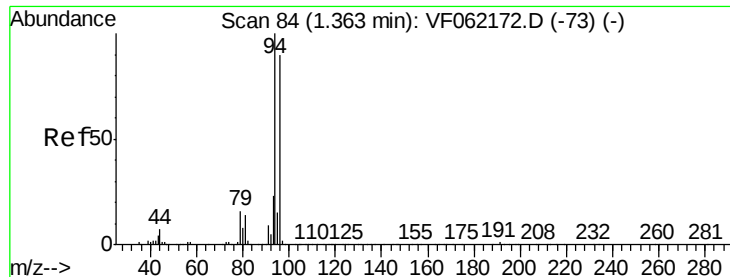
Tgt Ion: 62 Resp: 131797

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





#5

Bromomethane

Concen: 18.592 ug/l

RT: 1.36 min Scan# 84

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

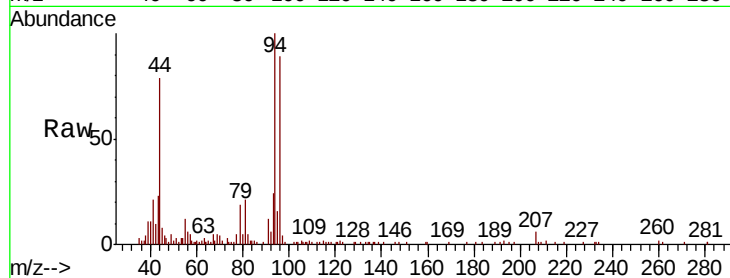
VF0416SBS01

Tot Ion: 94 Resp: 66204

Ion Ratio Lower Upper

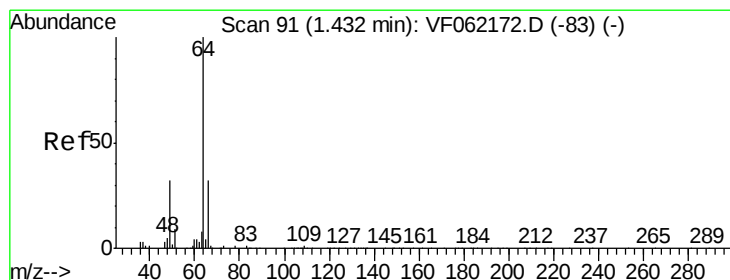
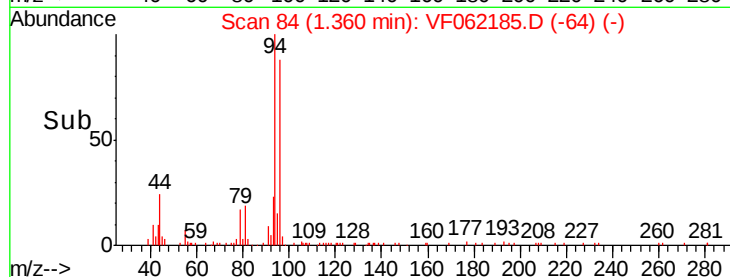
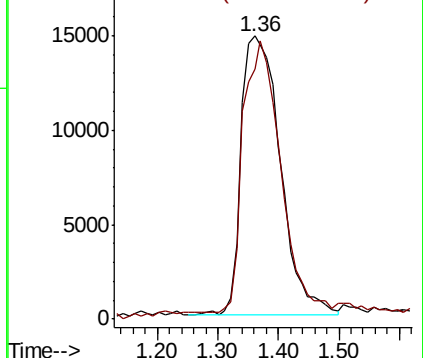
94 100

96 88.6 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: 19.068 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF062185.D

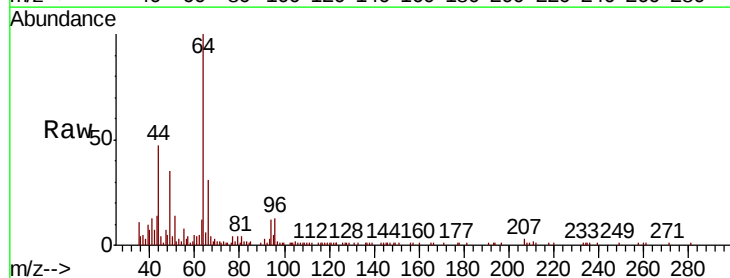
Acq: 16 Apr 2019 19:39

Tgt Ion: 64 Resp: 49991

Ion Ratio Lower Upper

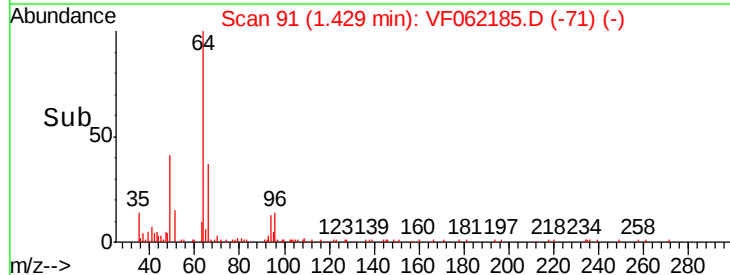
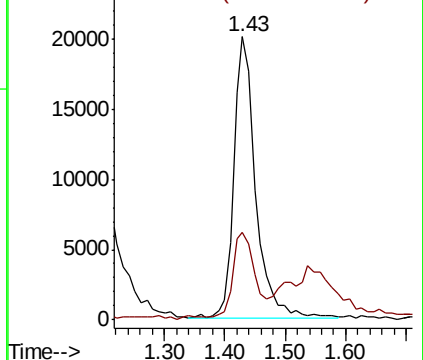
64 100

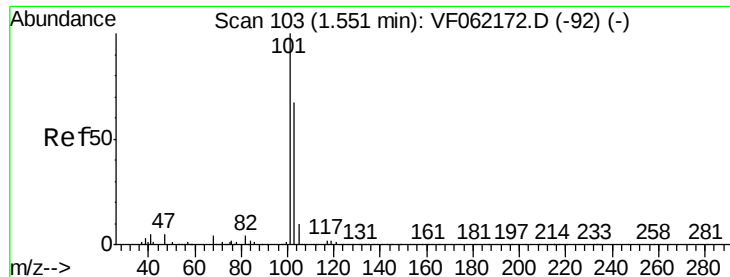
66 31.0 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



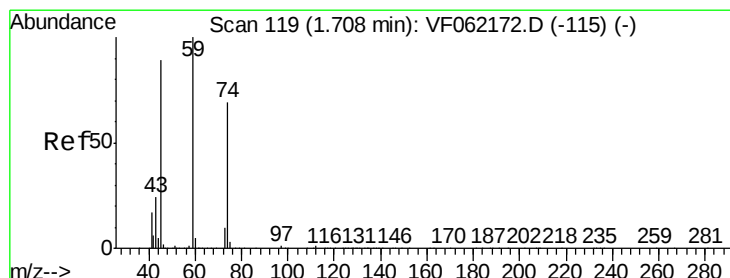
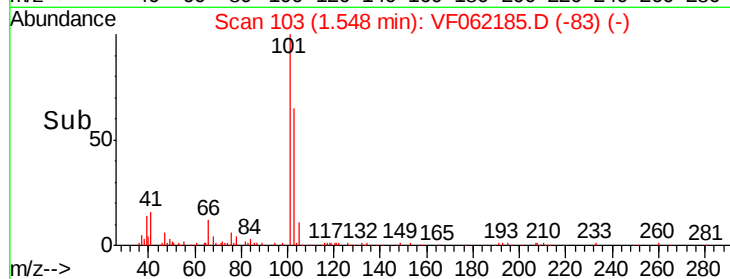
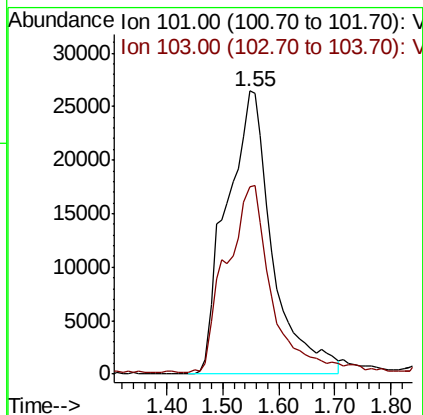
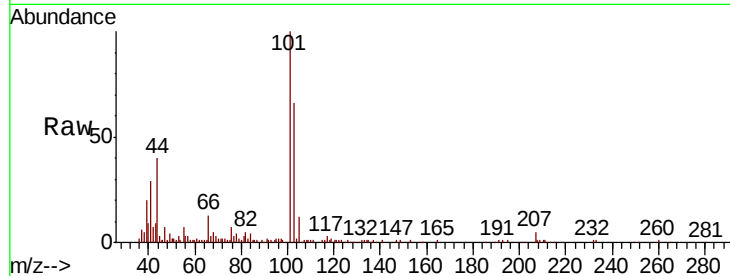


#7

Trichlorofluoromethane
Concen: 22.738 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Instrument :
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ClientSampleId :
VF0416SBS01

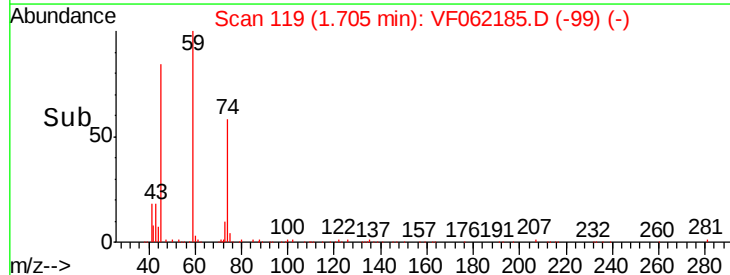
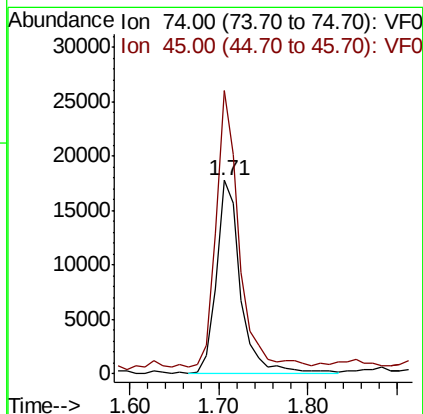
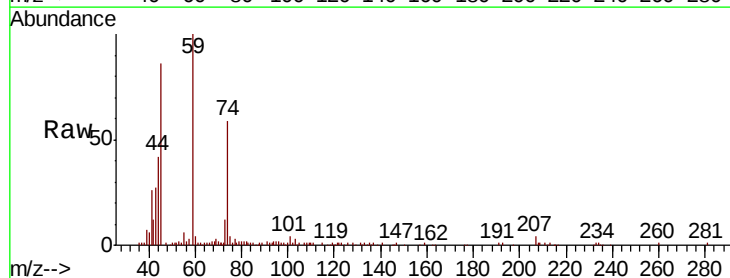
Tot Ion:101 Resp: 150588
Ion Ratio Lower Upper
101 100
103 66.3 53.7 80.5

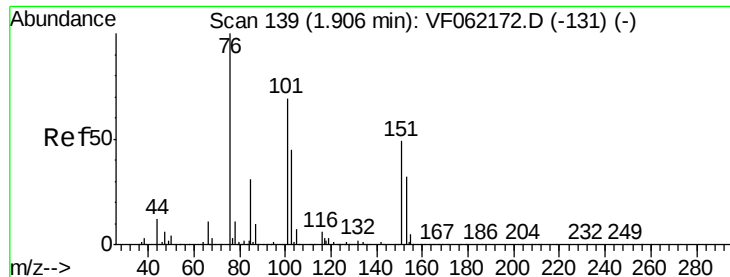


#8

Diethyl Ether
Concen: 25.559 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Tgt Ion: 74 Resp: 34170
Ion Ratio Lower Upper
74 100
45 146.5 64.7 194.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.546 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

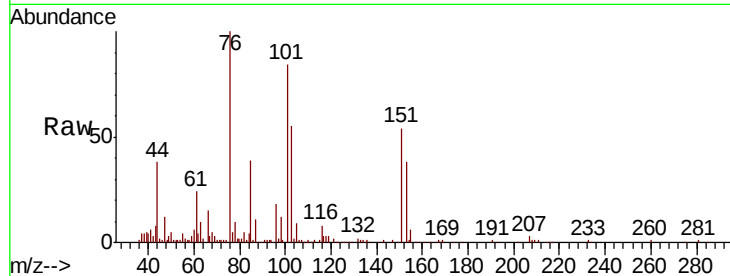
Tot Ion:101 Resp: 106173

Ion Ratio Lower Upper

101 100

85 46.6 35.2 52.8

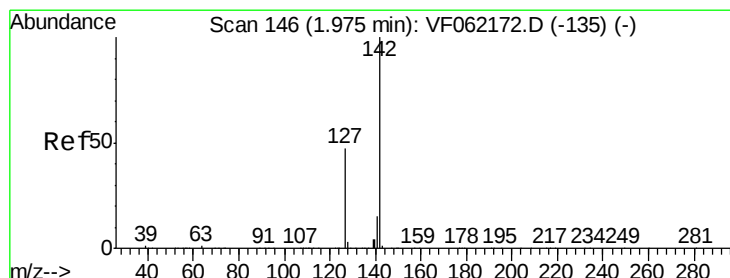
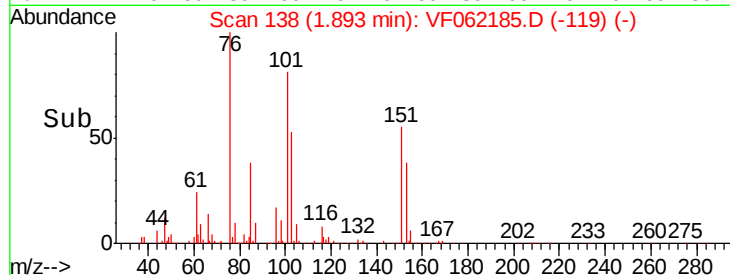
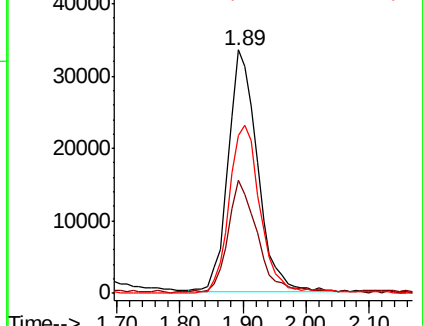
151 64.8 56.6 85.0



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: 24.464 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

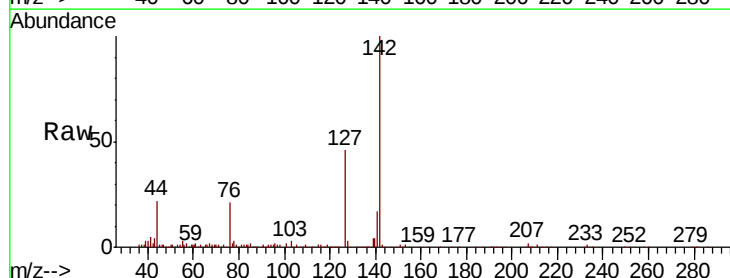
Tgt Ion:142 Resp: 196980

Ion Ratio Lower Upper

142 100

127 46.4 37.8 56.6

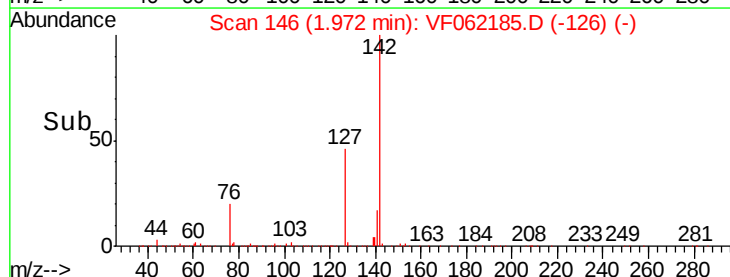
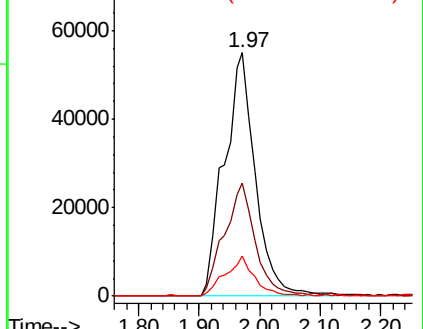
141 16.6 12.1 18.1

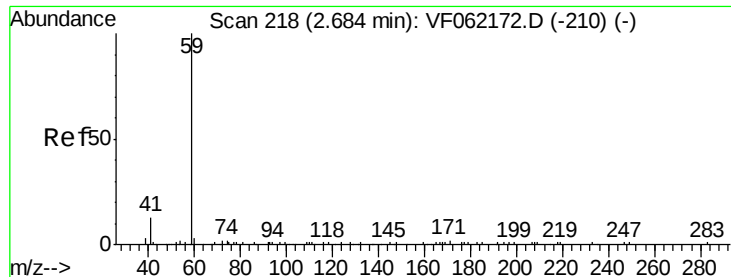


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



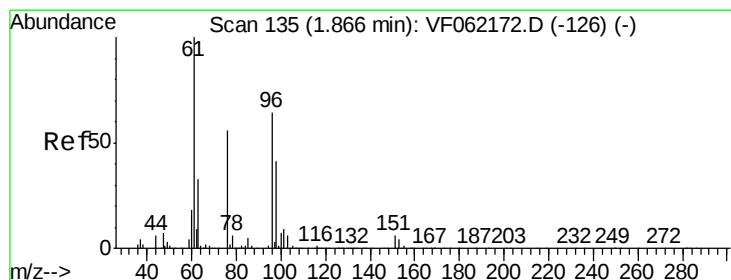
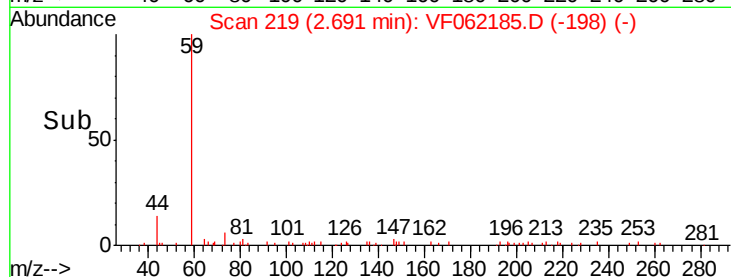
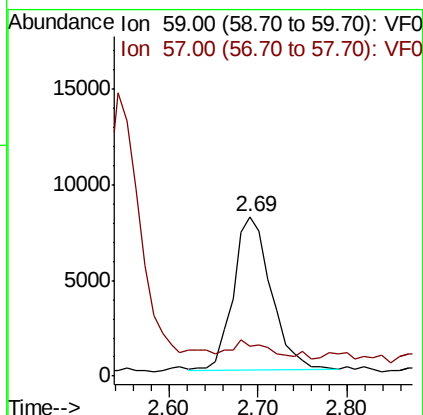
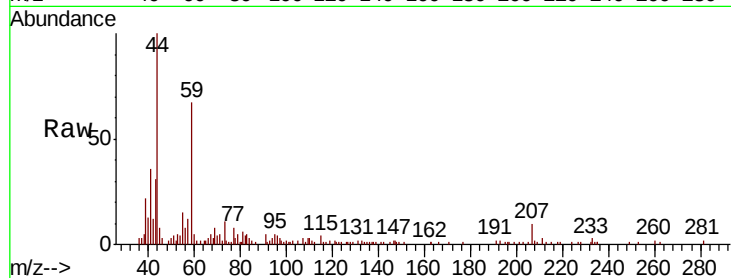


#11

Tert butyl alcohol
Concen: 118.318 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

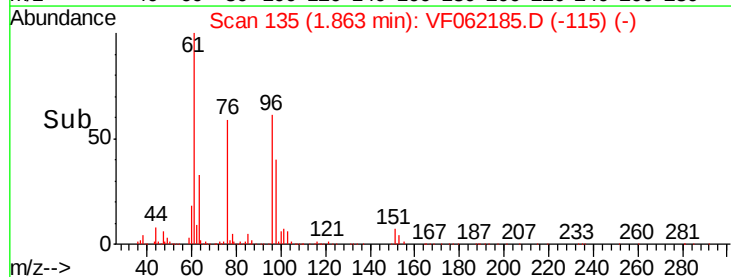
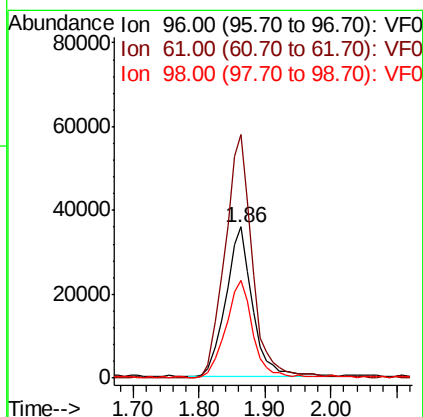
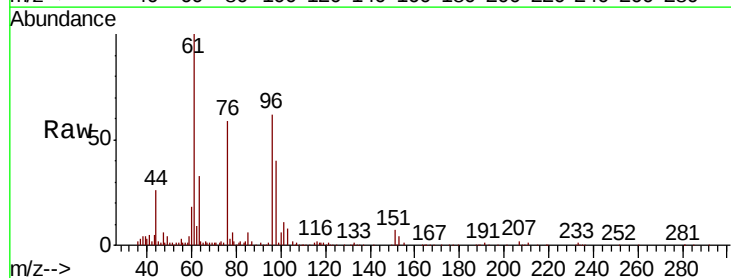
Tot Ion: 59 Resp: 23672
Ion Ratio Lower Upper
59 100
57 18.7 14.2 21.4

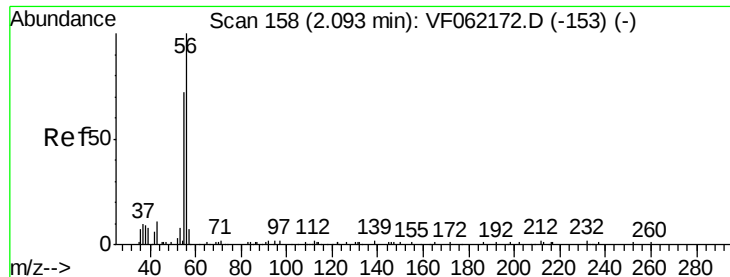


#12

1,1-Dichloroethene
Concen: 22.788 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Tgt Ion: 96 Resp: 100248
Ion Ratio Lower Upper
96 100
61 160.8 124.6 187.0
98 64.1 51.5 77.3





#13

Acrolein

Concen: 111.269 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

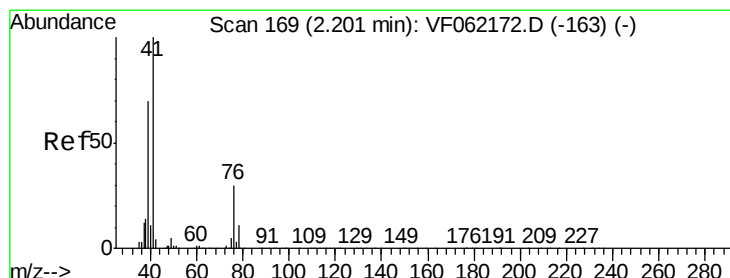
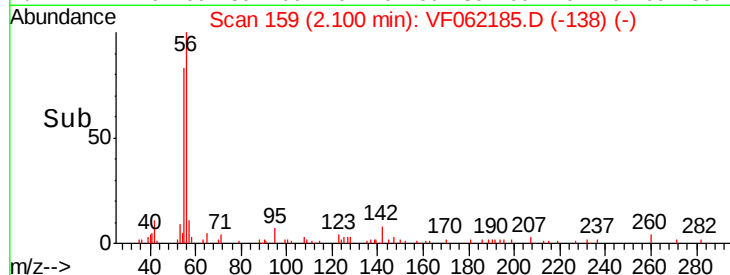
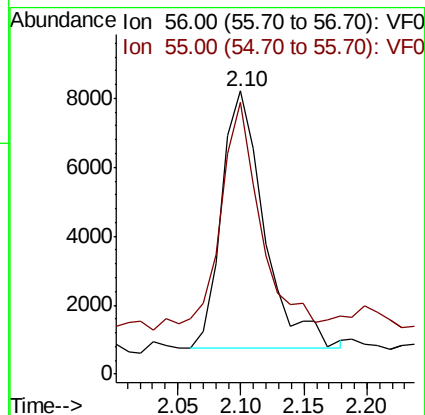
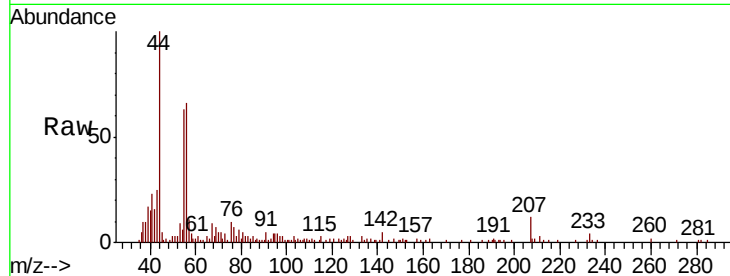
VF0416SBS01

Tot Ion: 56 Resp: 17536

Ion Ratio Lower Upper

56 100

55 96.0 62.9 94.3#



#14

Allyl chloride

Concen: 26.095 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

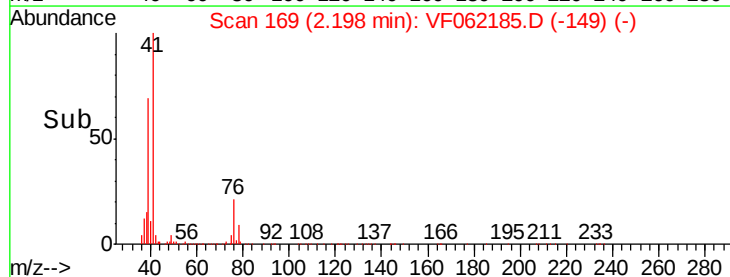
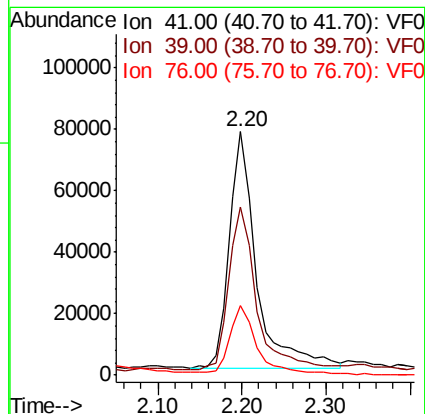
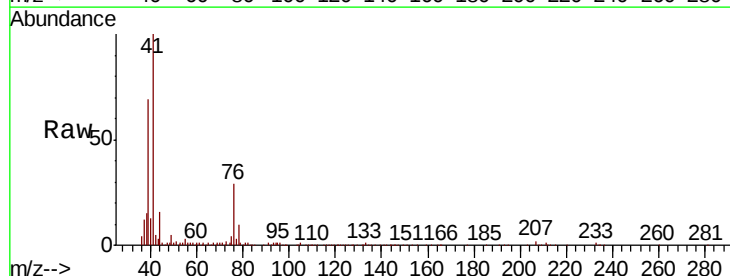
Tgt Ion: 41 Resp: 172850

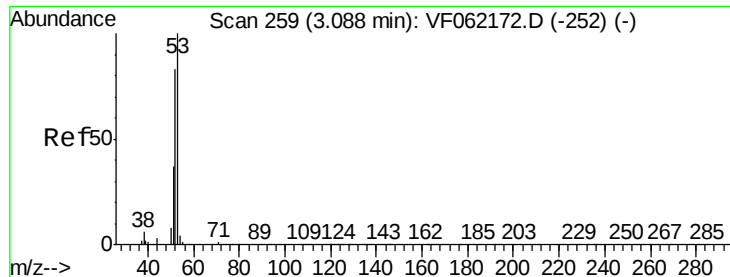
Ion Ratio Lower Upper

41 100

39 69.2 56.1 84.1

76 28.7 24.9 37.3





#15

Acrylonitrile

Concen: 109.410 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

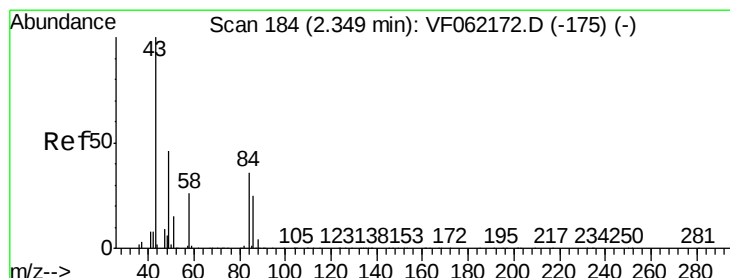
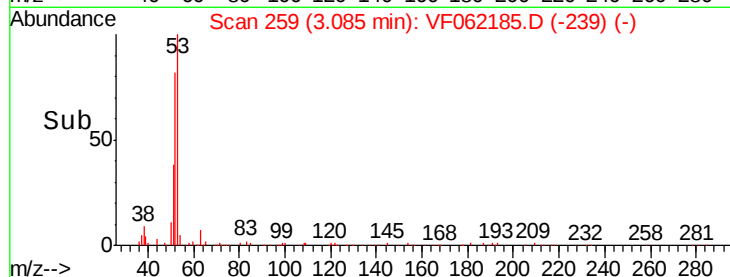
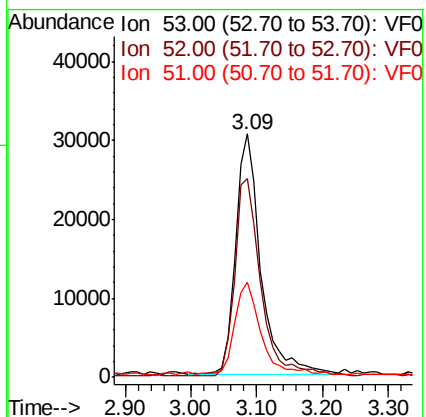
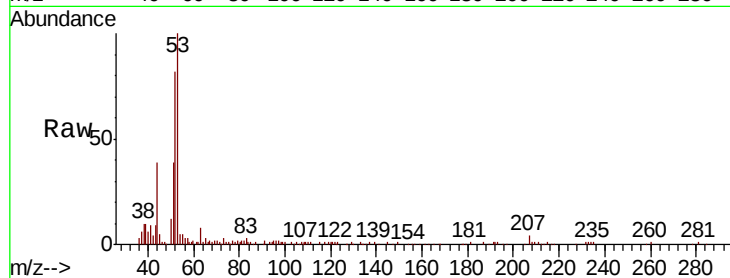
Tot Ion: 53 Resp: 81336

Ion Ratio Lower Upper

53 100

52 81.5 66.6 99.8

51 39.0 30.1 45.1



#16

Acetone

Concen: 105.529 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062185.D

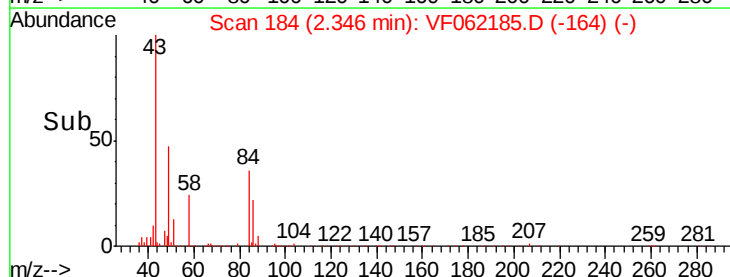
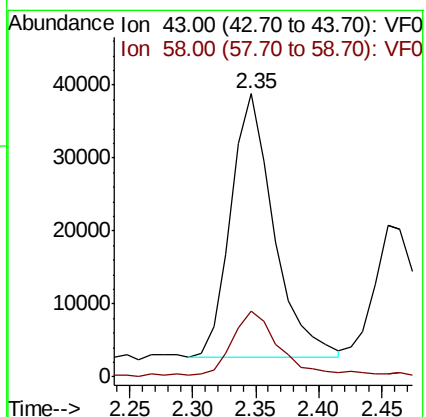
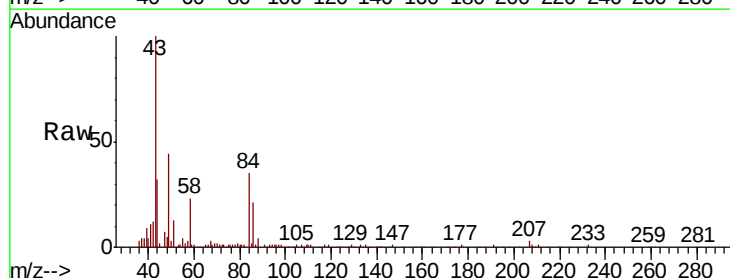
Acq: 16 Apr 2019 19:39

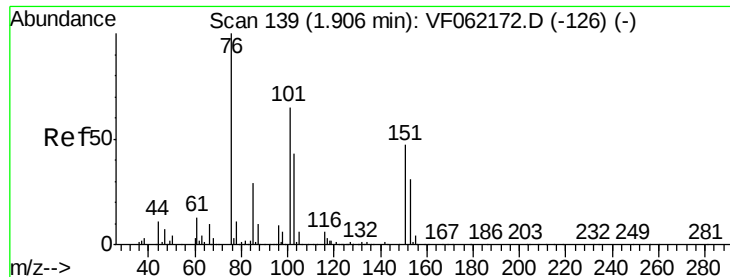
Tgt Ion: 43 Resp: 85881

Ion Ratio Lower Upper

43 100

58 23.2 20.2 30.2





#17

Carbon Disulfide

Concen: 23.696 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

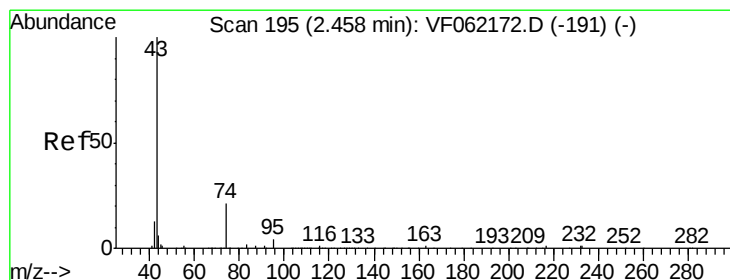
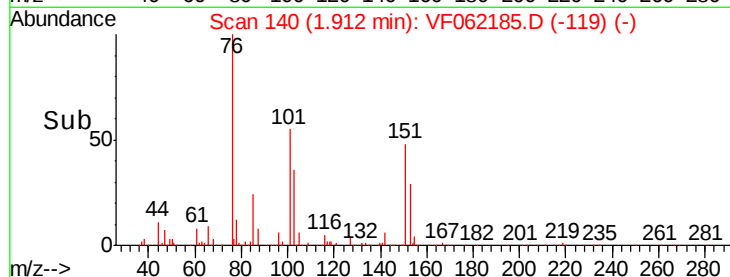
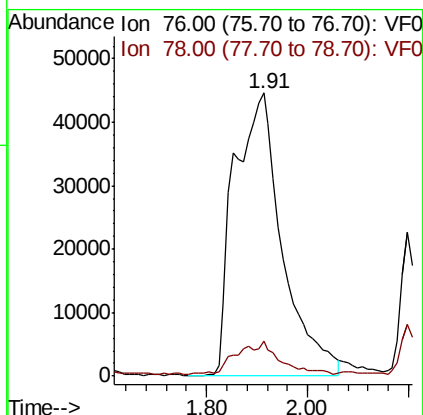
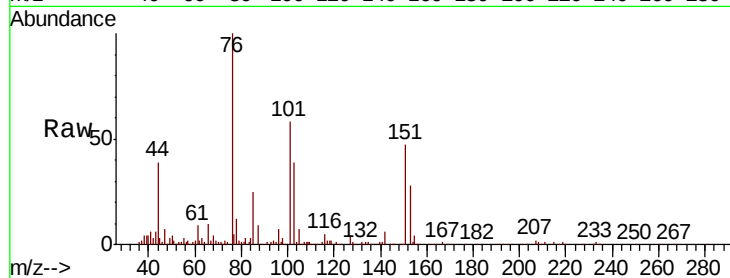
VF0416SBS01

Tot Ion: 76 Resp: 295285

Ion Ratio Lower Upper

76 100

78 12.2 9.1 13.7



#18

Methyl Acetate

Concen: 22.001 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF062185.D

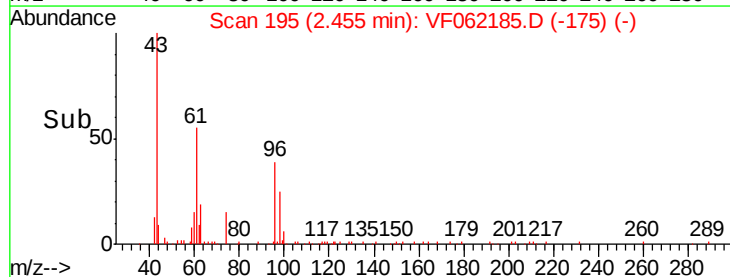
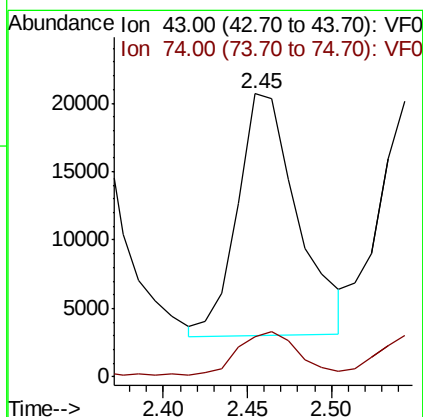
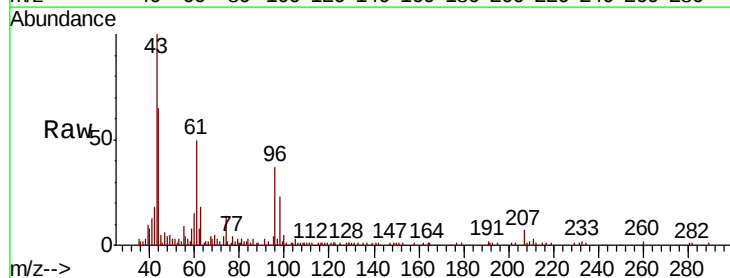
Acq: 16 Apr 2019 19:39

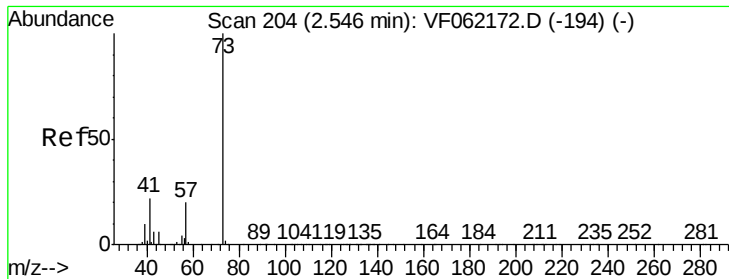
Tgt Ion: 43 Resp: 44210

Ion Ratio Lower Upper

43 100

74 14.4 14.2 21.4

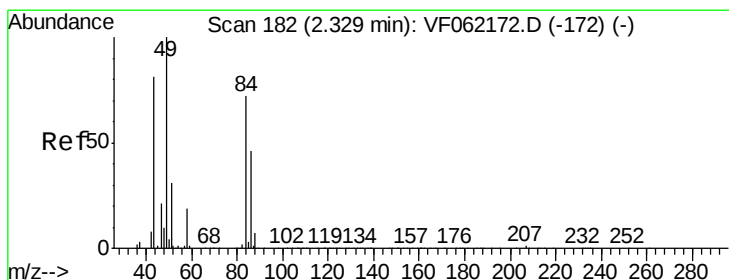
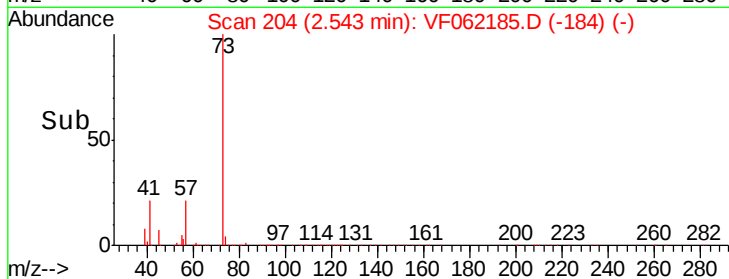
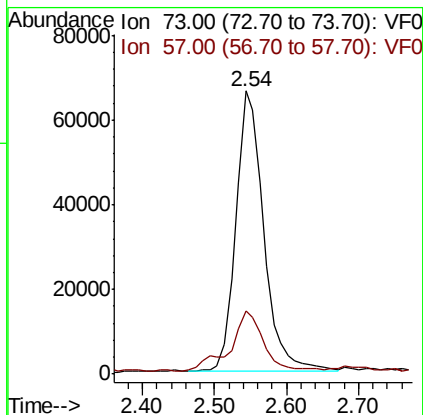
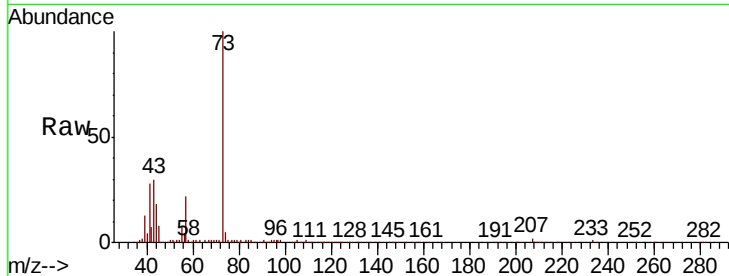




#19
Methyl tert-butyl Ether
Concen: 24.277 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

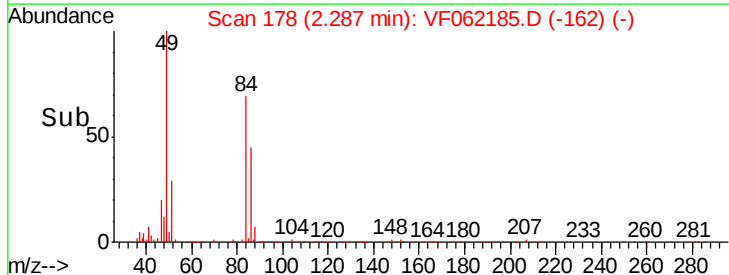
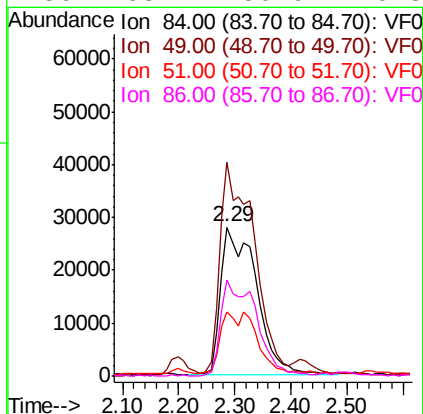
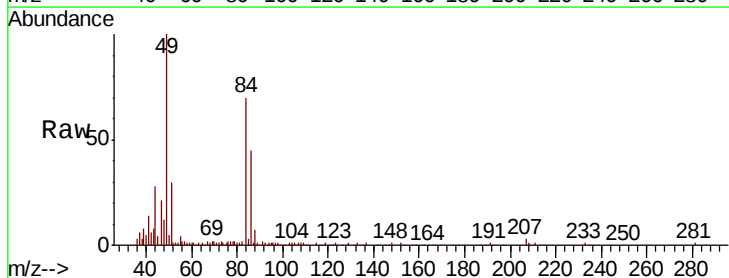
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

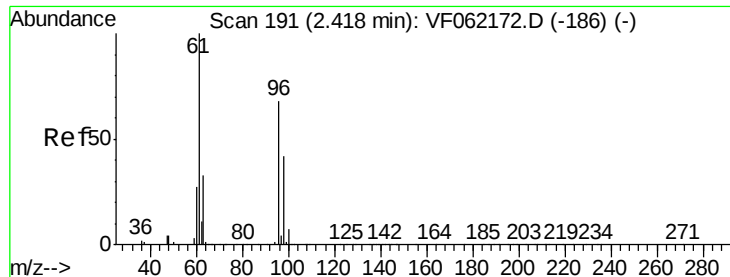
Tot Ion: 73 Resp: 177639
Ion Ratio Lower Upper
73 100
57 22.2 16.8 25.2



#20
Methylene Chloride
Concen: 29.545 ug/l
RT: 2.29 min Scan# 178
Delta R.T. -0.04 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Tgt Ion: 84 Resp: 123918
Ion Ratio Lower Upper
84 100
49 143.8 111.5 167.3
51 43.5 34.9 52.3
86 65.1 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 23.318 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

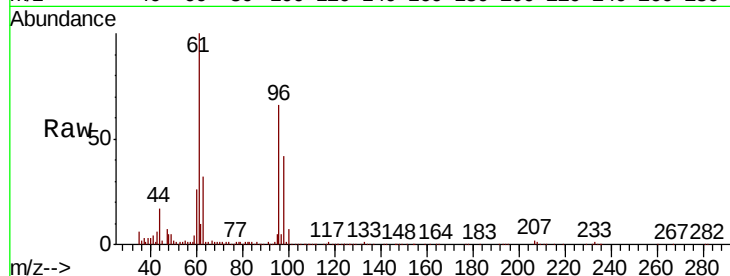
Tot Ion: 96 Resp: 98144

Ion Ratio Lower Upper

96 100

61 150.7 117.4 176.2

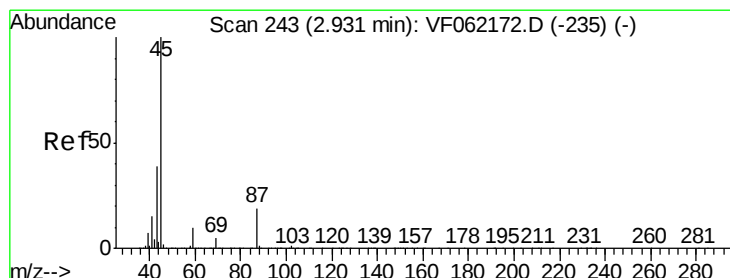
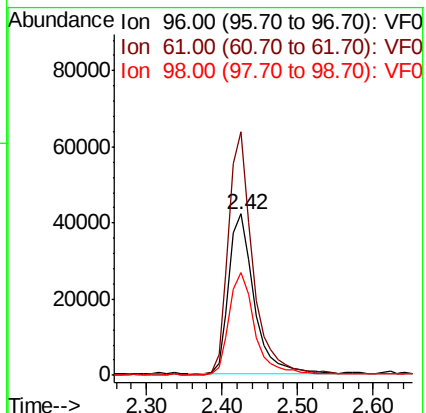
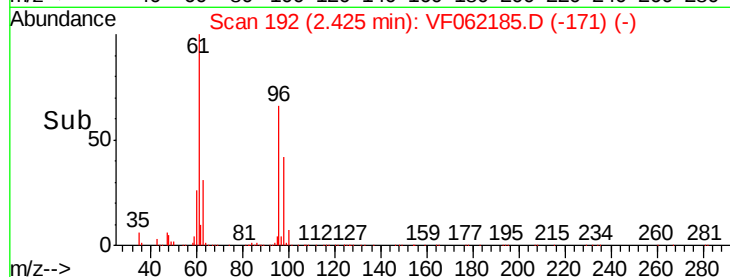
98 64.0 49.8 74.8



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: 24.978 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Tgt Ion: 45 Resp: 307542

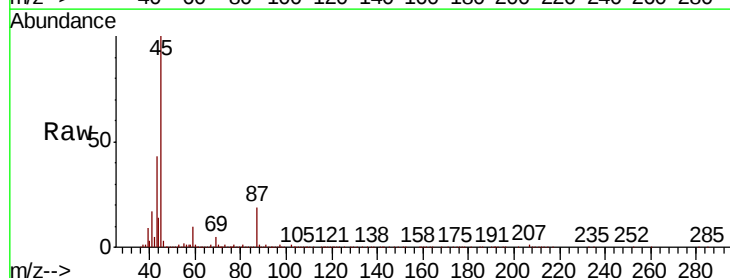
Ion Ratio Lower Upper

45 100

43 42.6 32.5 48.7

87 19.1 14.9 22.3

59 10.1 7.8 11.8

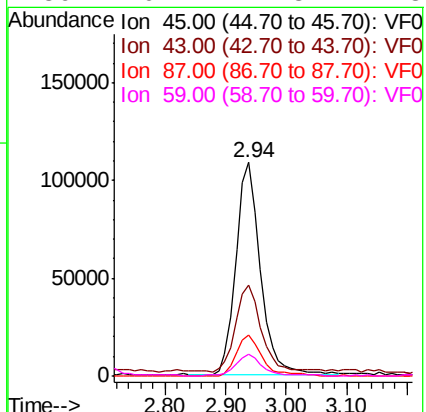
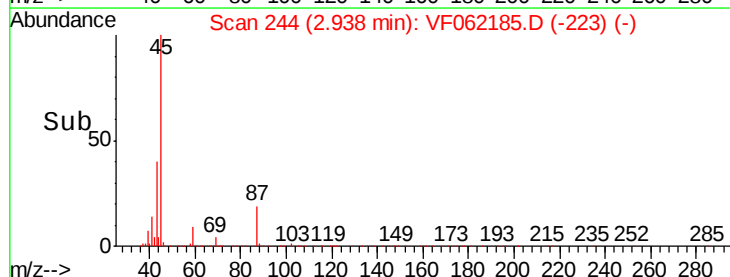


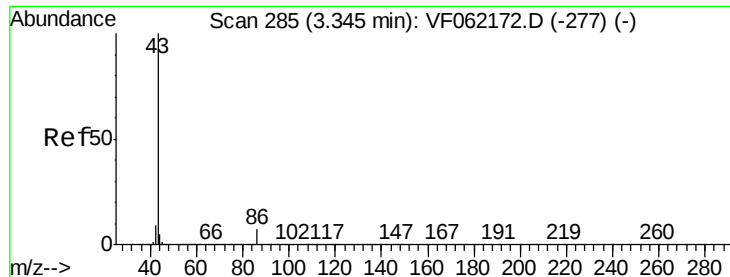
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 113.237 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

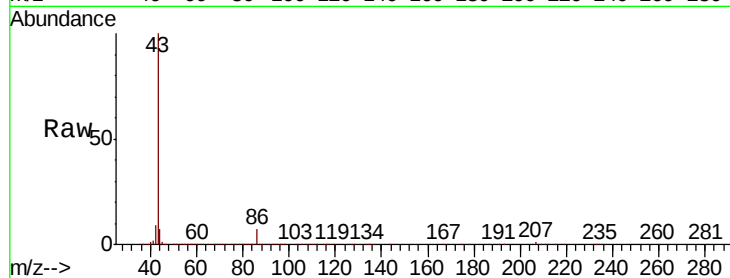
VF0416SBS01

Tot Ion: 43 Resp: 695471

Ion Ratio Lower Upper

43 100

86 7.2 5.9 8.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

250000

200000

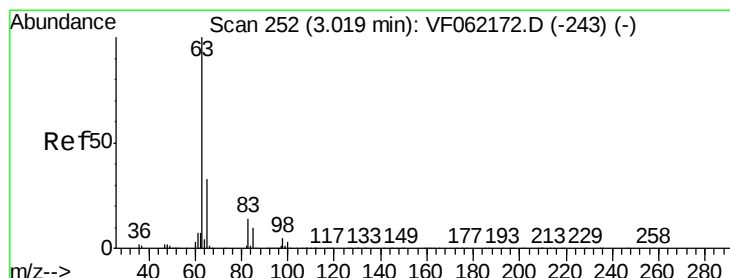
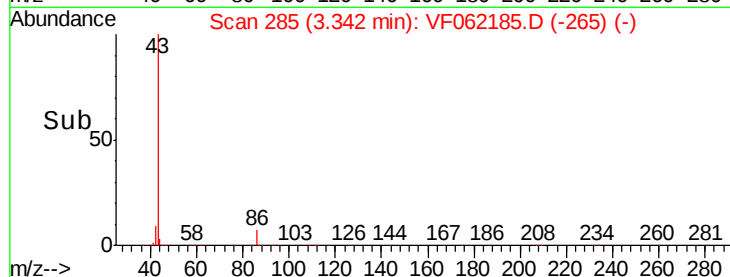
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 24.864 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

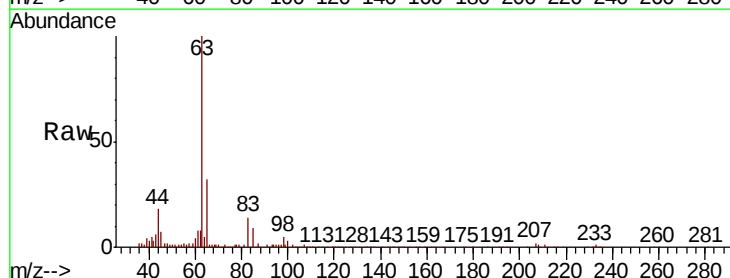
Tgt Ion: 63 Resp: 170484

Ion Ratio Lower Upper

63 100

98 5.4 2.6 8.0

100 3.0 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

3.01

80000

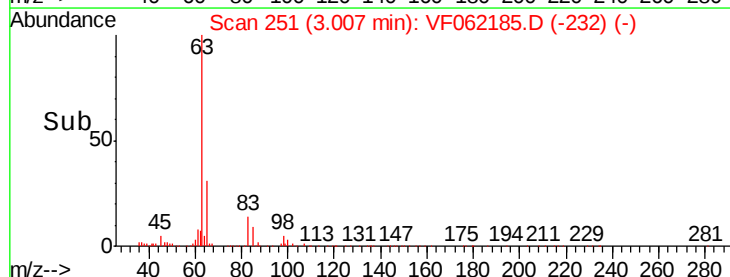
60000

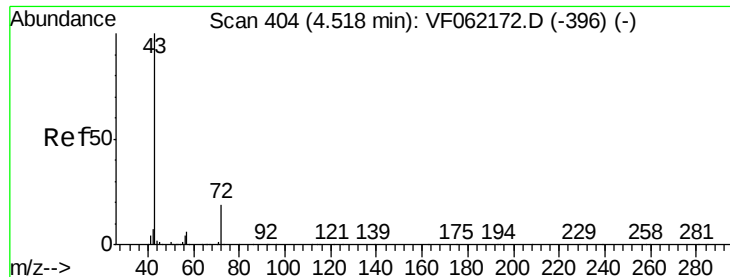
40000

20000

0

Time-->





#25

2-Butanone

Concen: 104.247 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

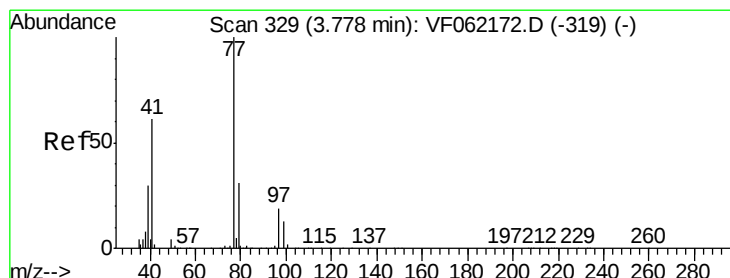
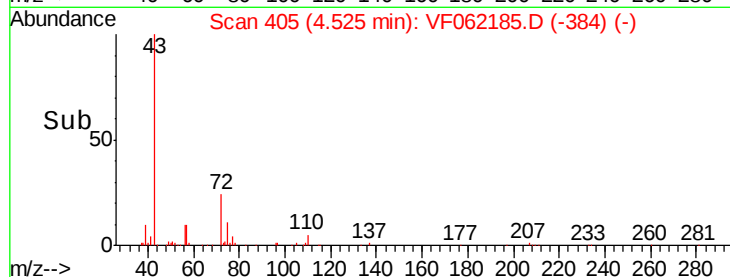
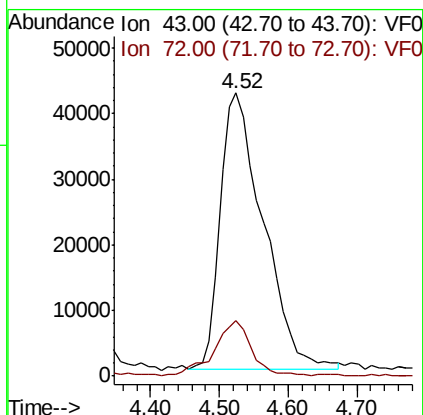
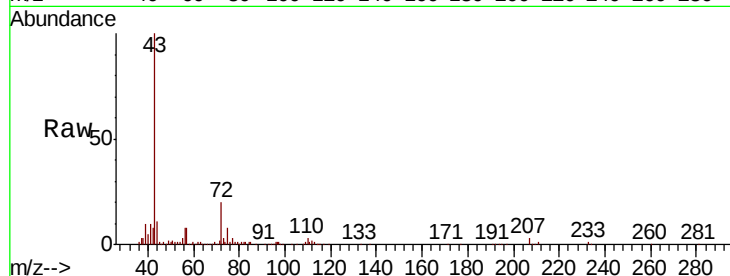
VF0416SBS01

Tot Ion: 43 Resp: 182241

Ion Ratio Lower Upper

43 100

72 19.7 15.4 23.2



#26

2,2-Dichloropropane

Concen: 25.191 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF062185.D

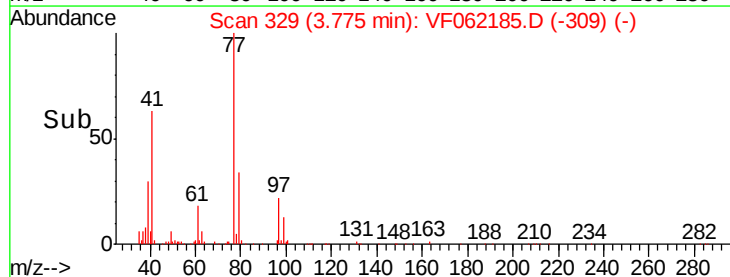
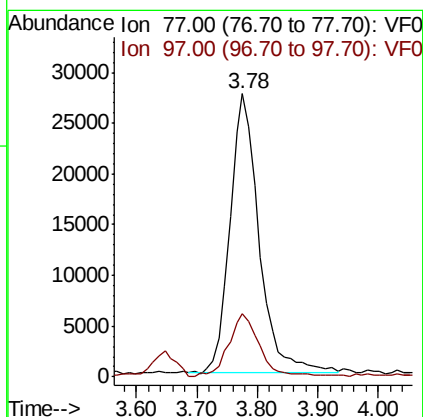
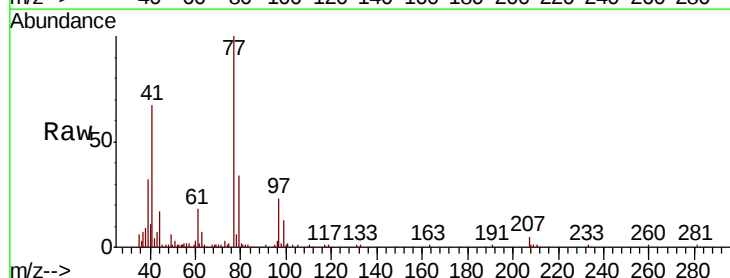
Acq: 16 Apr 2019 19:39

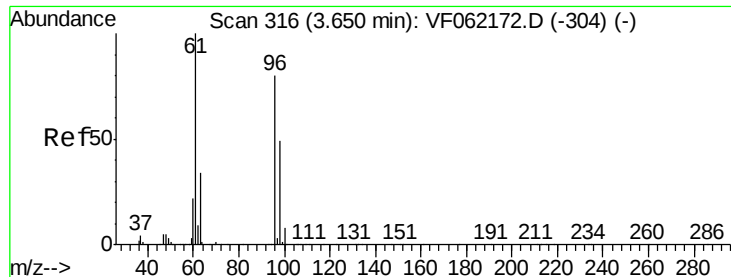
Tgt Ion: 77 Resp: 90849

Ion Ratio Lower Upper

77 100

97 22.5 10.3 30.9



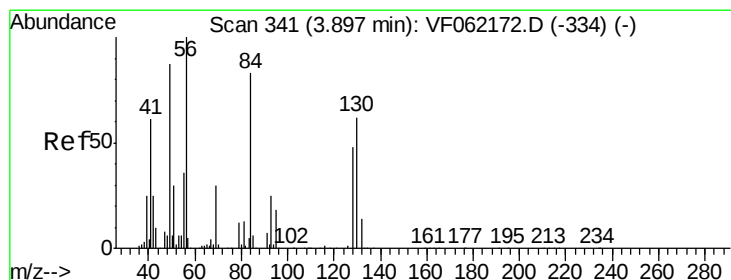
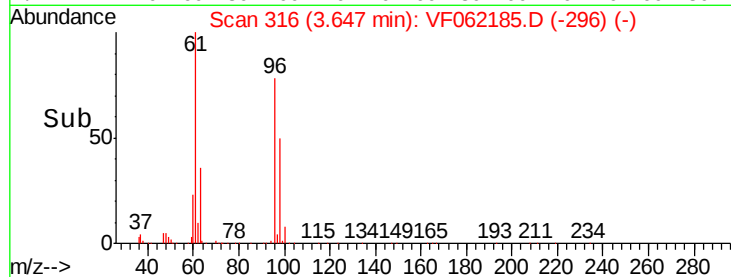
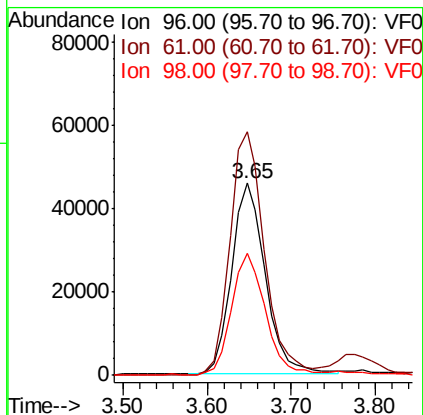
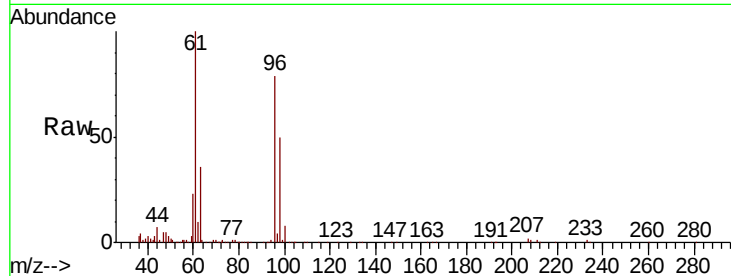


#27

cis-1,2-Dichloroethene
 Concen: 22.769 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VF062185.D
 Acq: 16 Apr 2019 19:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

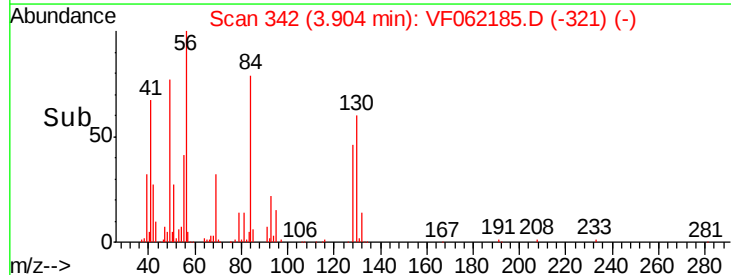
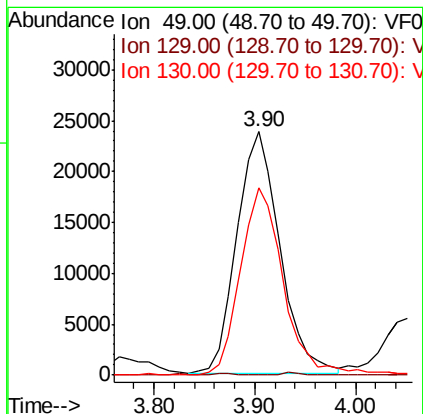
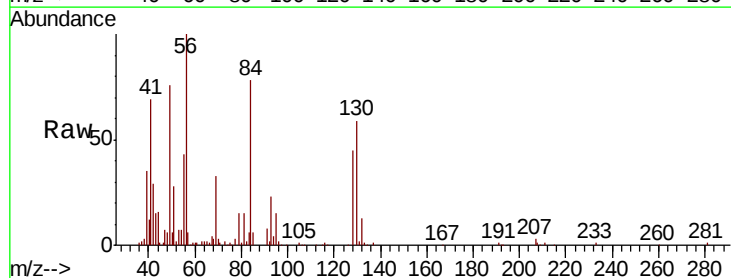
Tot Ion	Ratio	Lower	Upper
96	100		
61	126.9	0.0	248.2
98	63.8	0.0	122.4

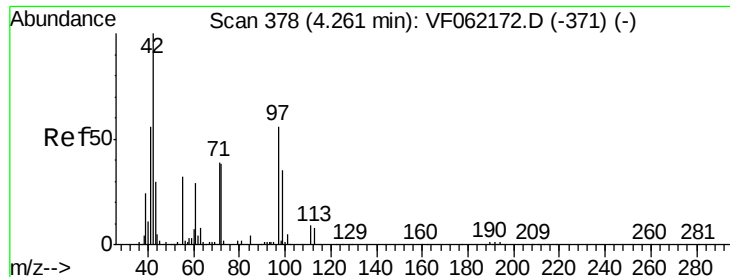


#28

Bromochloromethane
 Concen: 21.425 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VF062185.D
 Acq: 16 Apr 2019 19:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	77.2	56.5	84.7

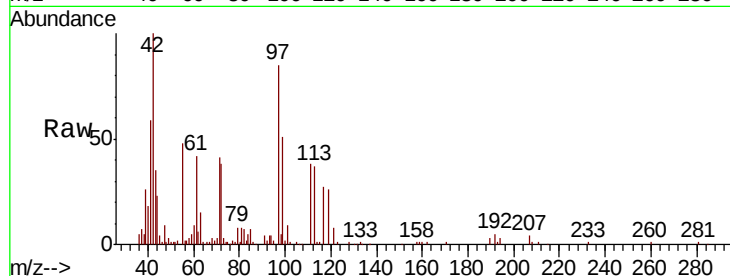




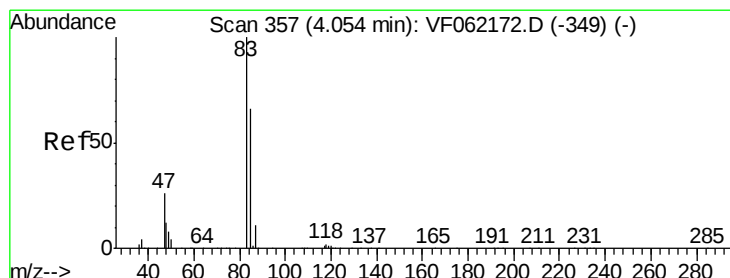
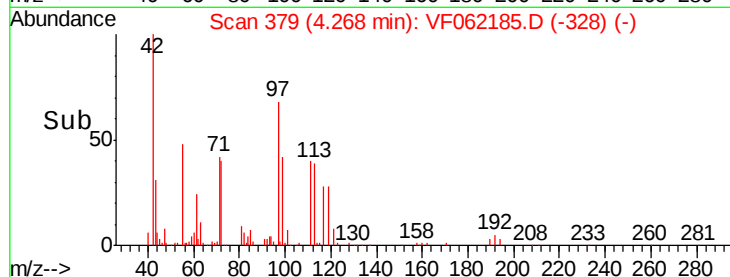
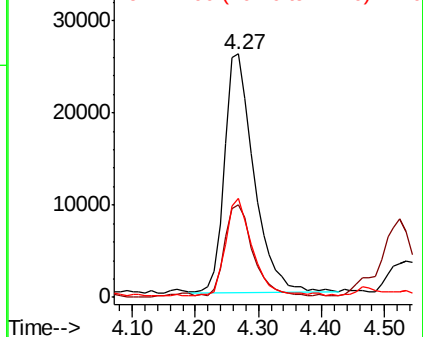
#29
Tetrahydrofuran
Concen: 108.532 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion: 42 Resp: 84387
Ion Ratio Lower Upper
42 100
72 37.5 28.7 43.1
71 37.1 30.8 46.2

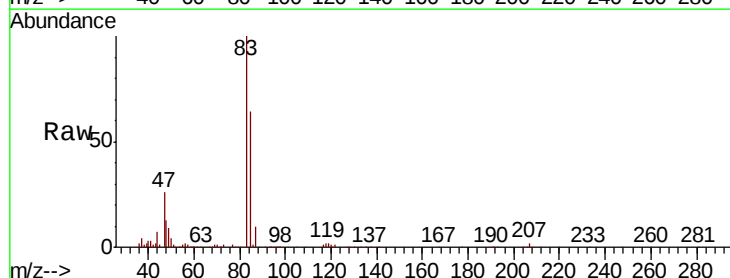


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

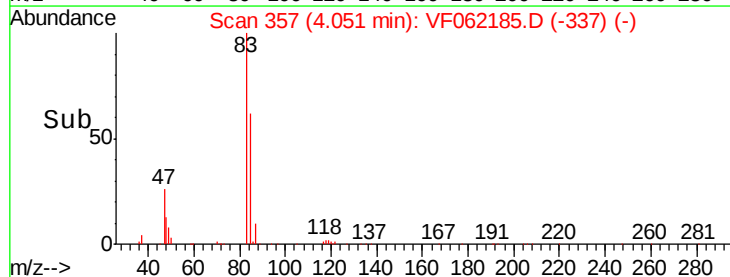
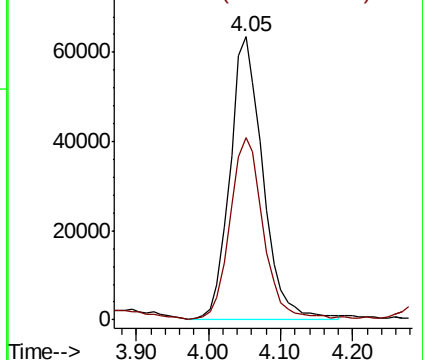


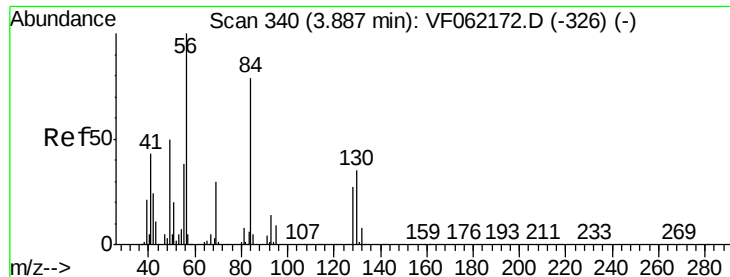
#30
Chloroform
Concen: 23.513 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Tgt Ion: 83 Resp: 200436
Ion Ratio Lower Upper
83 100
85 64.4 53.5 80.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 21.837 ug/l

RT: 3.88 min Scan# 340

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

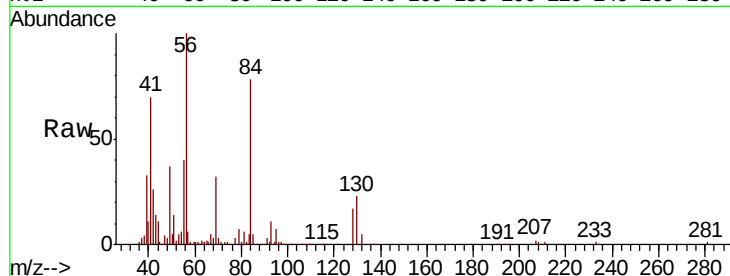
Tot Ion: 56 Resp: 193436

Ion Ratio Lower Upper

56 100

69 32.3 24.4 36.6

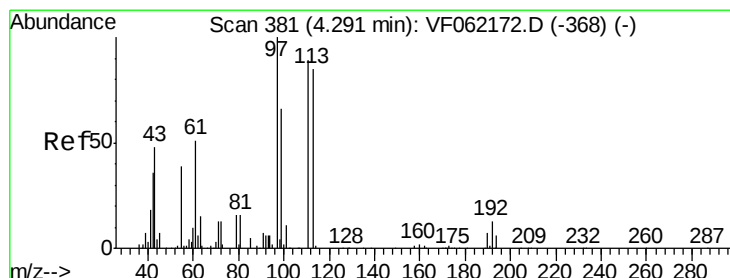
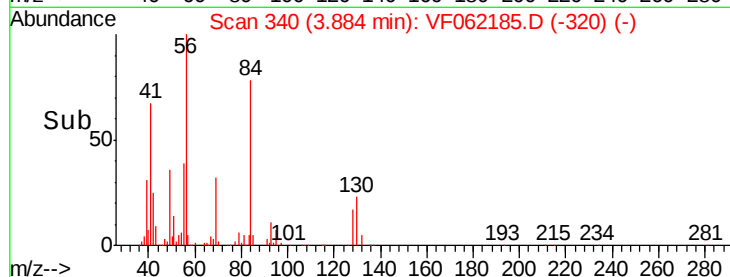
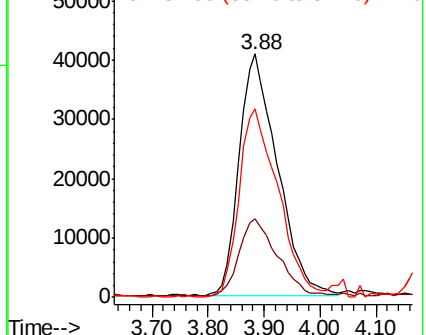
84 77.7 63.4 95.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 26.952 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

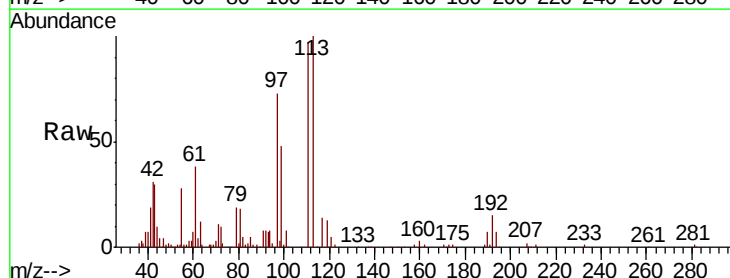
Tgt Ion: 97 Resp: 156664

Ion Ratio Lower Upper

97 100

99 65.1 52.3 78.5

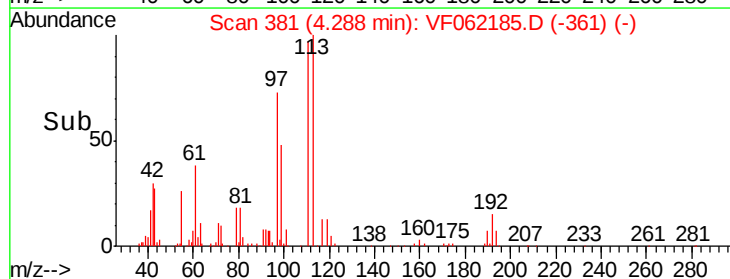
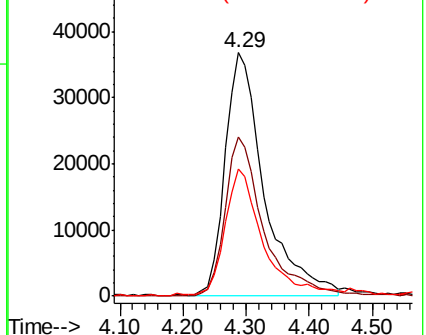
61 52.1 40.9 61.3

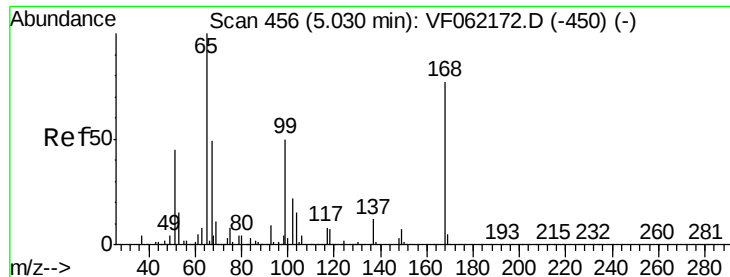


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 52.751 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

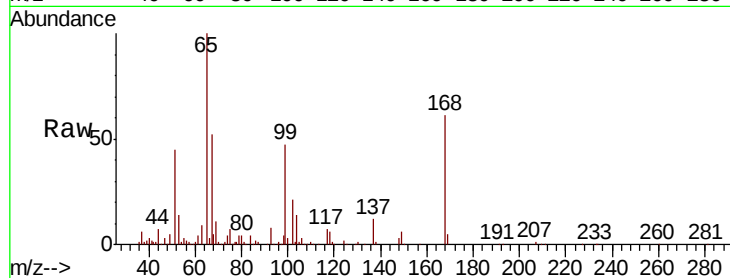
VF0416SBS01

Tot Ion: 65 Resp: 190397

Ion Ratio Lower Upper

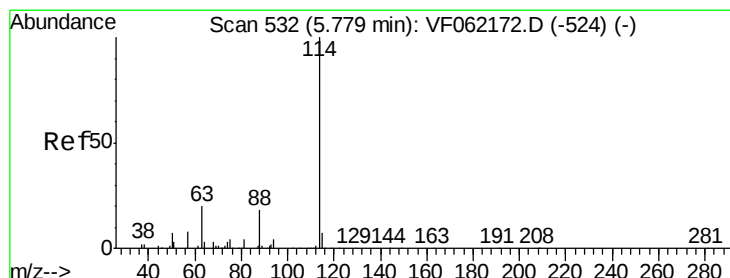
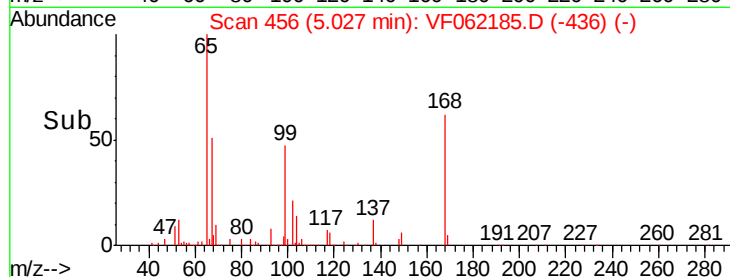
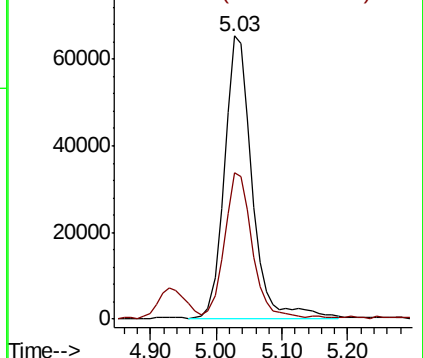
65 100

67 51.6 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: VF062185.D

Acq: 16 Apr 2019 19:39

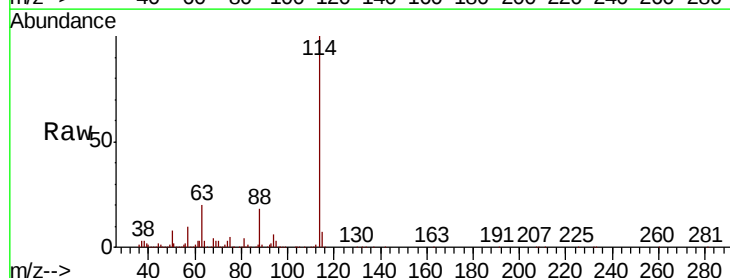
Tgt Ion: 114 Resp: 620129

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

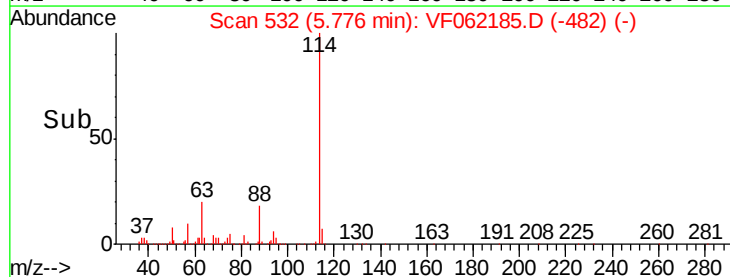
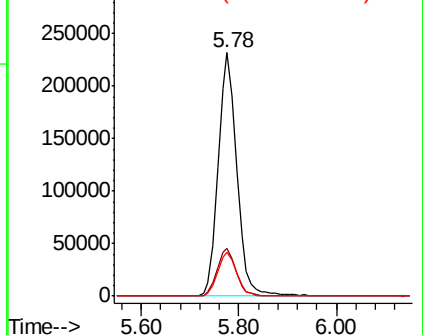
88 18.3 0.0 36.6

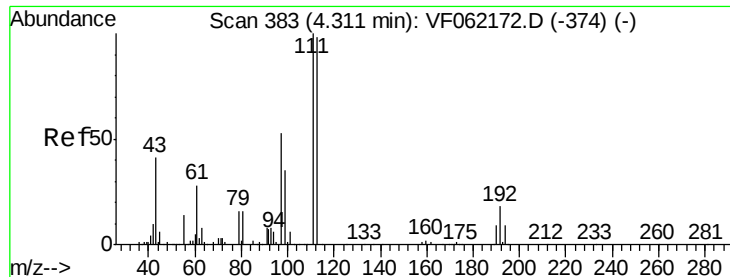


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 51.054 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

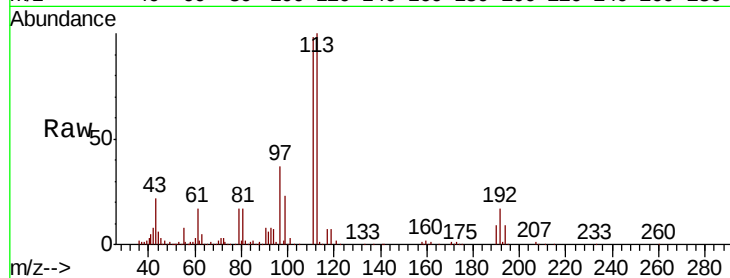
Tot Ion:113 Resp: 249742

Ion Ratio Lower Upper

113 100

111 98.0 81.6 122.4

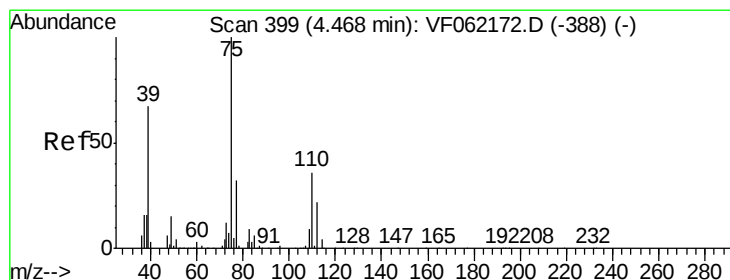
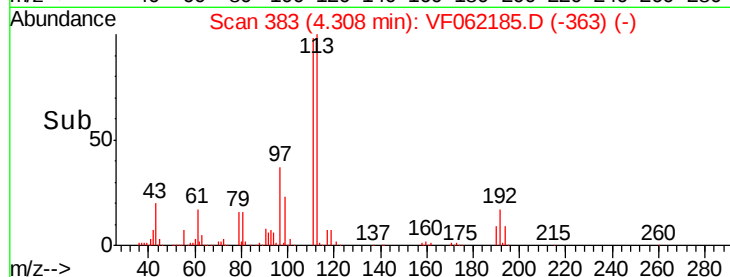
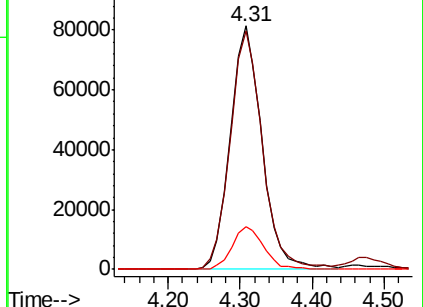
192 17.3 15.0 22.4



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 22.622 ug/l

RT: 4.48 min Scan# 400

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

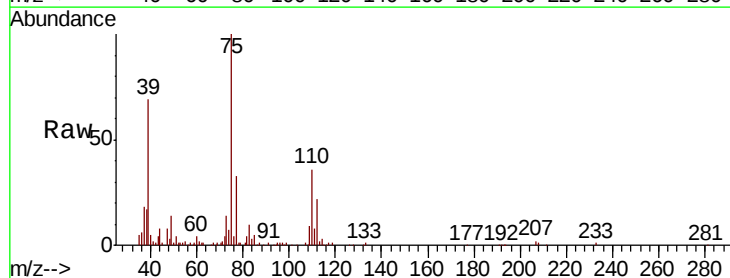
Tgt Ion: 75 Resp: 155867

Ion Ratio Lower Upper

75 100

110 35.6 17.9 53.8

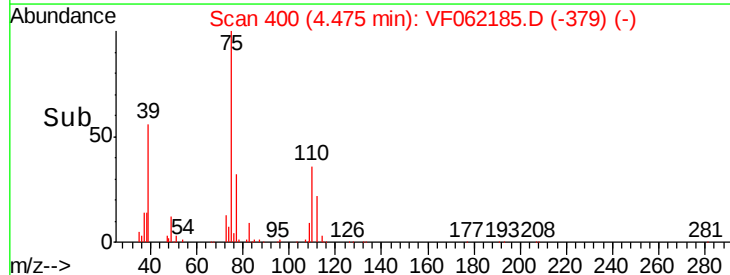
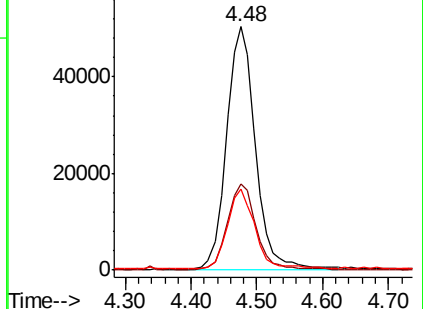
77 33.2 25.6 38.4

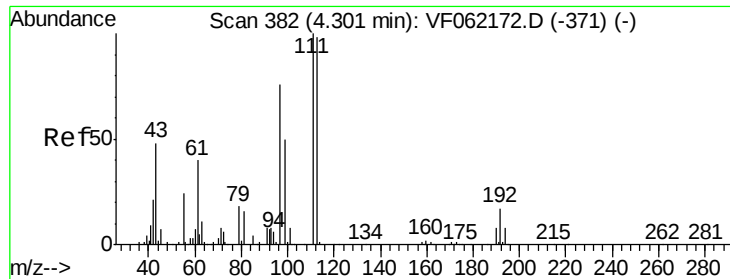


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

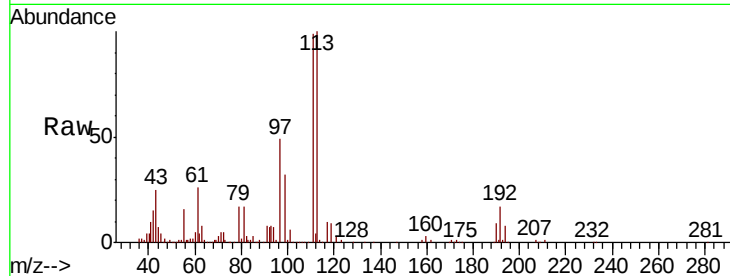




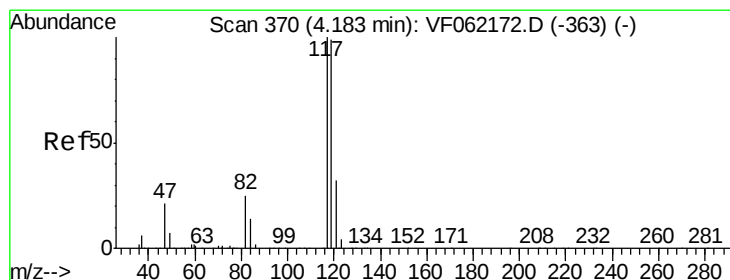
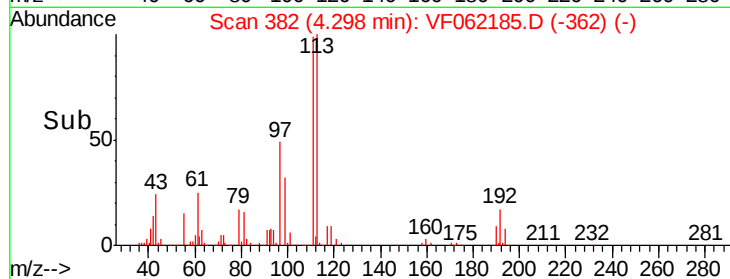
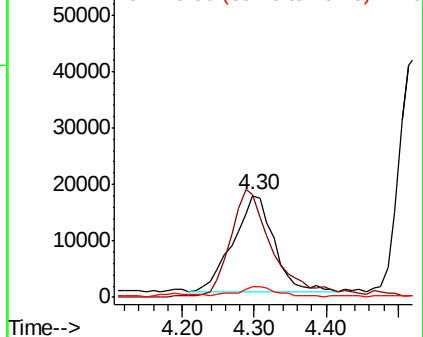
#37
Ethyl Acetate
Concen: 21.380 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion: 43 Resp: 67878
Ion Ratio Lower Upper
43 100
61 100.9 64.9 97.3#
70 10.6 7.8 11.8

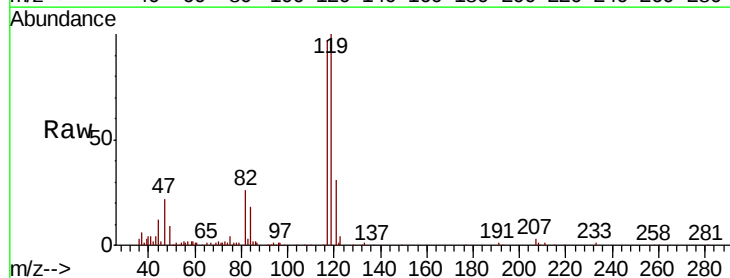


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

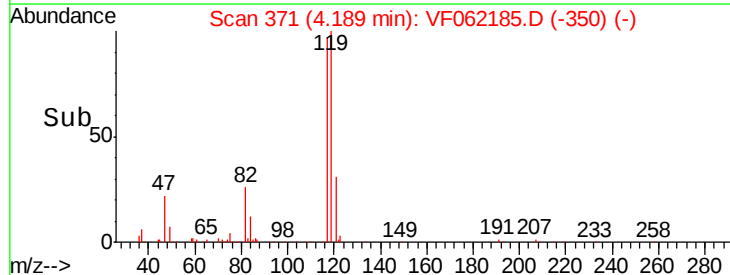
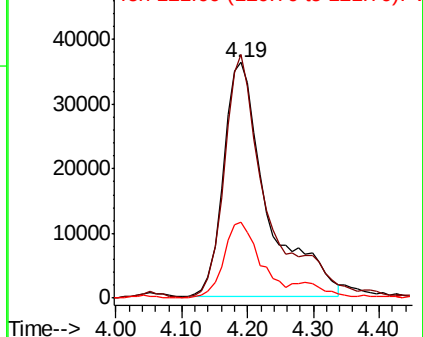


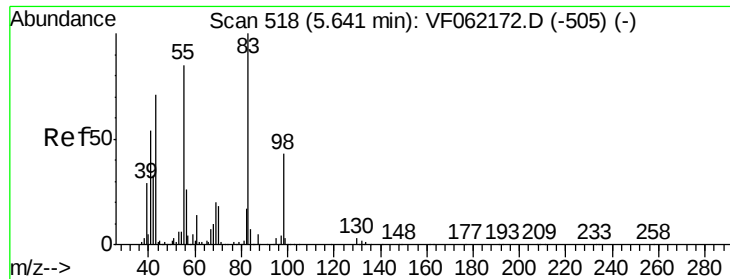
#38
Carbon Tetrachloride
Concen: 28.393 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Tgt Ion: 117 Resp: 168381
Ion Ratio Lower Upper
117 100
119 103.4 78.9 118.3
121 32.2 25.3 37.9



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

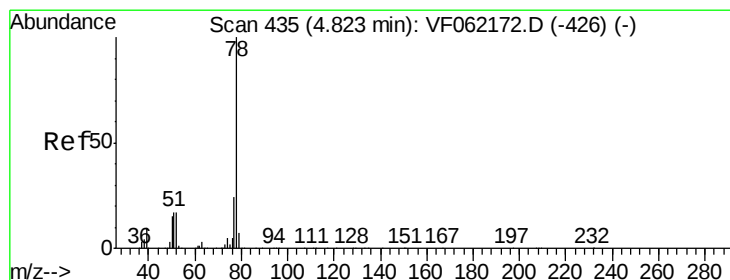
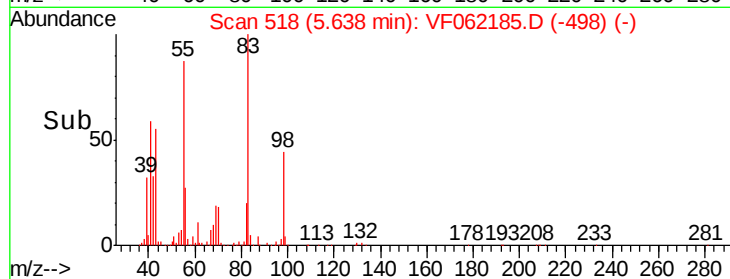
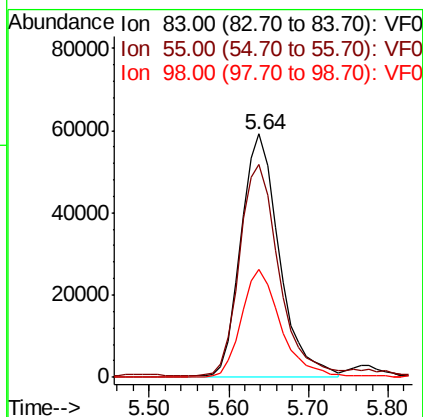
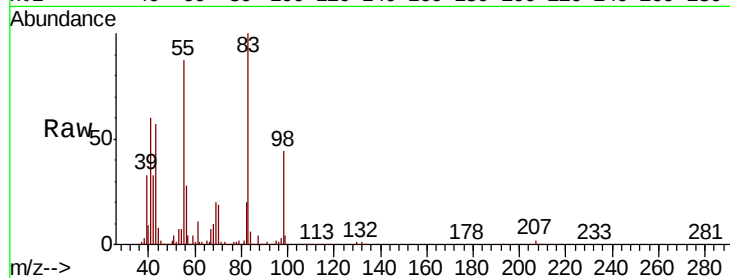




#39
Methvlcvclohexane
Concen: 22.769 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

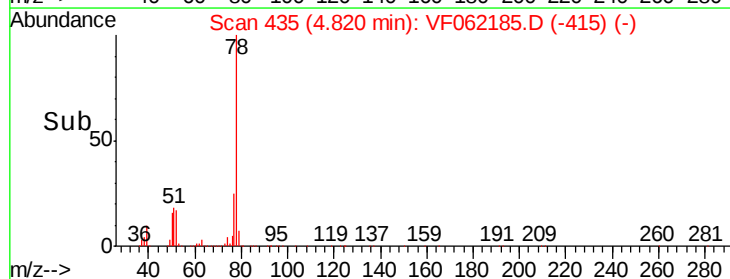
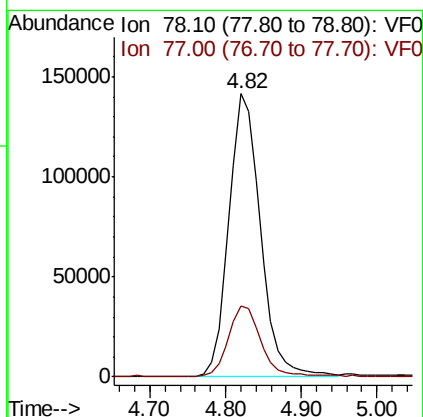
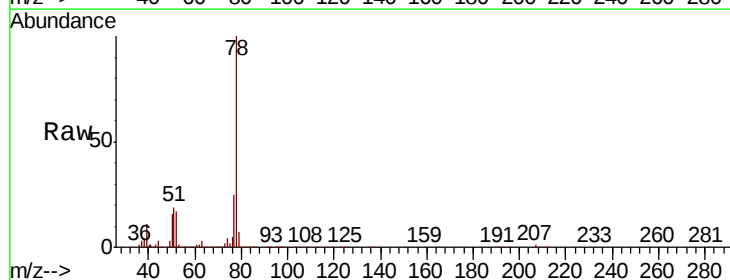
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

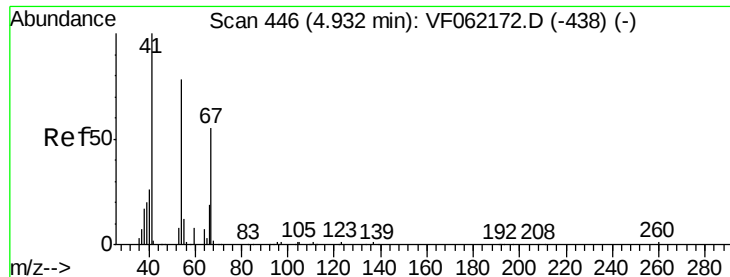
Tot Ion	83	Resp	196597
Ion Ratio	Lower	Upper	
83	100		
55	87.4	68.2	102.2
98	44.3	34.4	51.6



#40
Benzene
Concen: 22.425 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Tgt Ion	78	Resp	408137
Ion Ratio	Lower	Upper	
78	100		
77	25.0	19.1	28.7

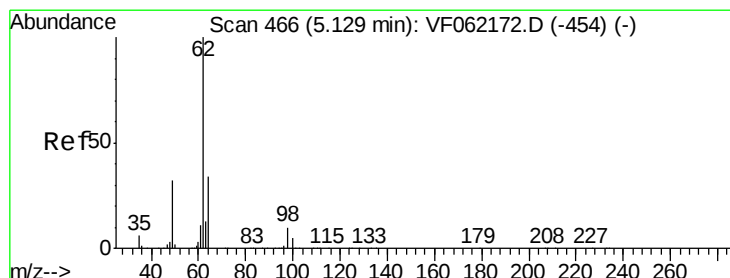
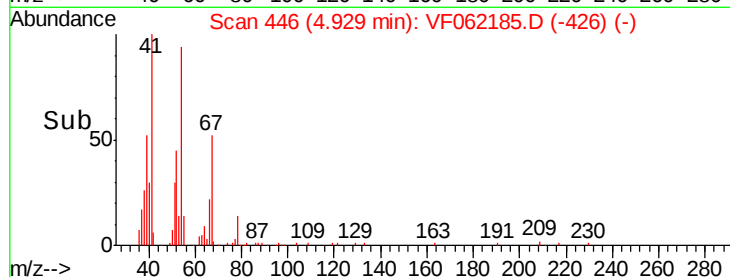
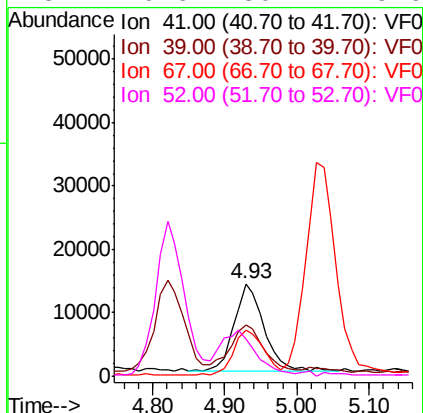
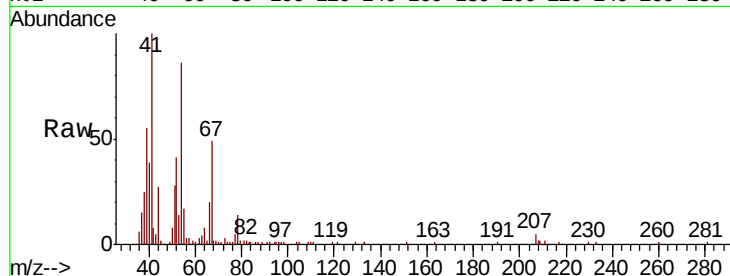




#41
Methacrylonitrile
Concen: 21.305 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

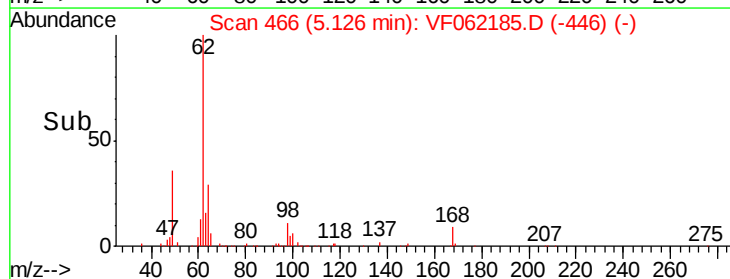
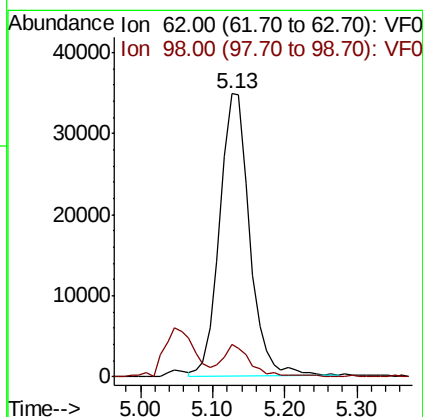
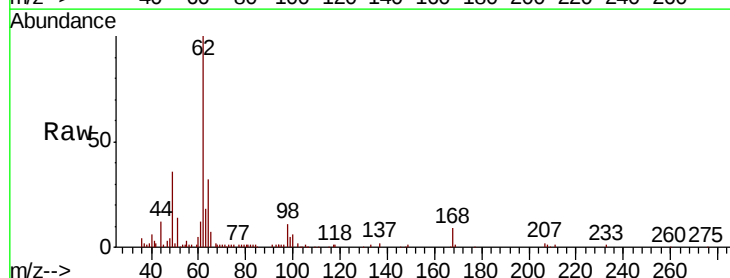
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

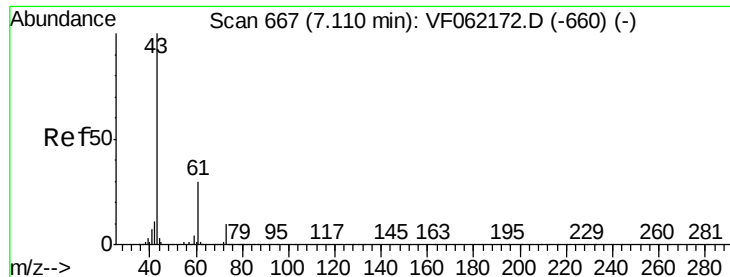
Tot Ion:	41	Resp:	40641
Ion	Ratio	Lower	Upper
41	100		
39	55.0	43.5	65.3
67	49.5	42.9	64.3
52	40.6	30.4	45.6



#42
1,2-Dichloroethane
Concen: 21.694 ug/l
RT: 5.13 min Scan# 466
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Tgt Ion:	62	Resp:	99930
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	22.0



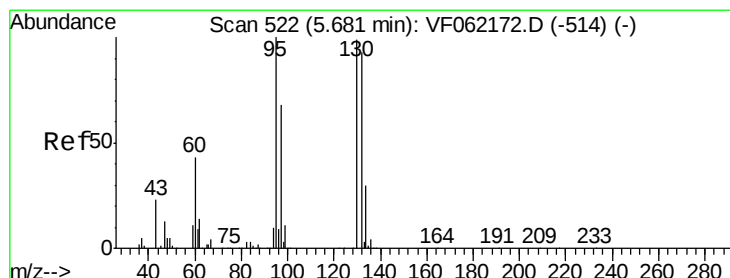
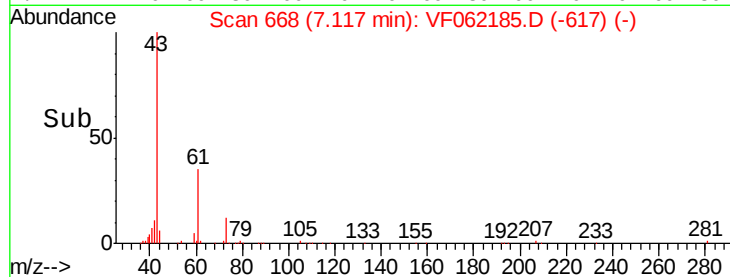
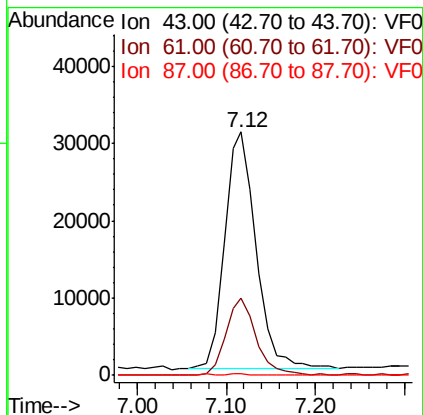
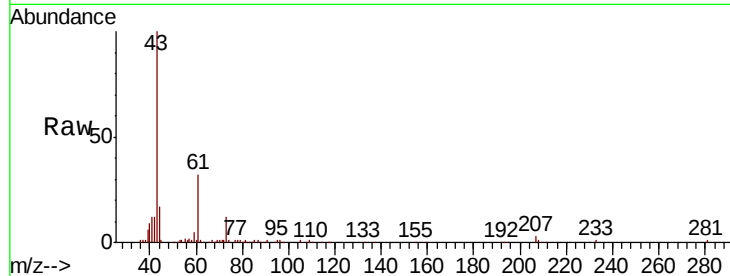


#43

Isopropyl Acetate
 Concen: 20.653 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VF062185.D
 Acq: 16 Apr 2019 19:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

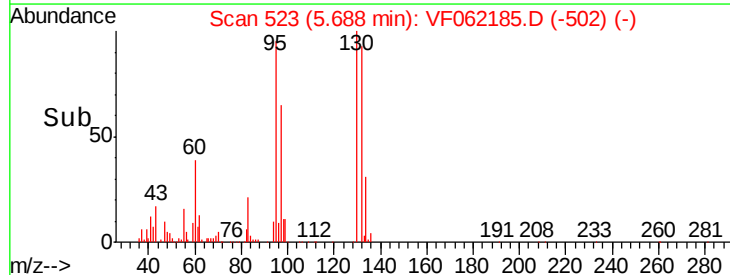
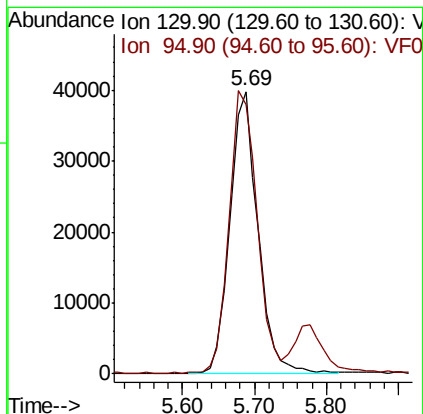
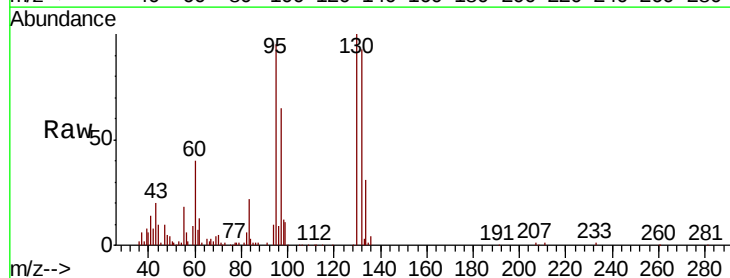
Tot Ion	Ratio	Lower	Upper
43	100		
61	31.9	23.7	35.5
87	0.6	0.3	0.5#

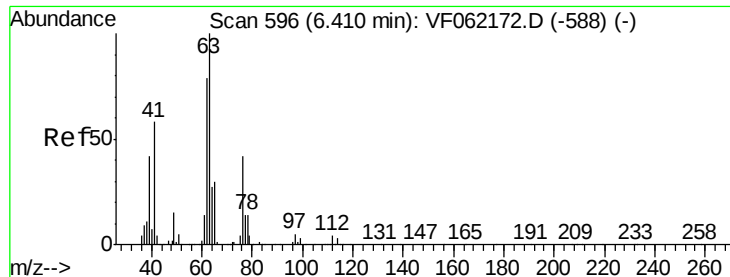


#44

Trichloroethene
 Concen: 22.127 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF062185.D
 Acq: 16 Apr 2019 19:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	202.2





#45

1,2-Dichloropropane

Concen: 21.837 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

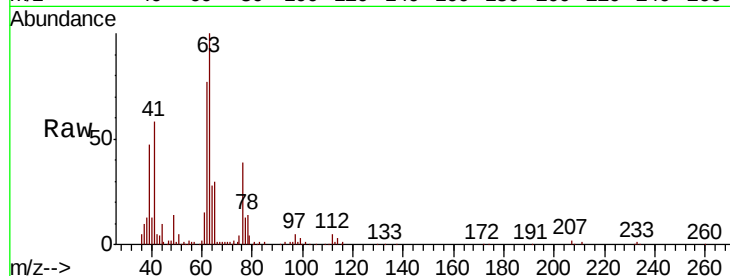
VF0416SBS01

Tot Ion: 63 Resp: 97502

Ion Ratio Lower Upper

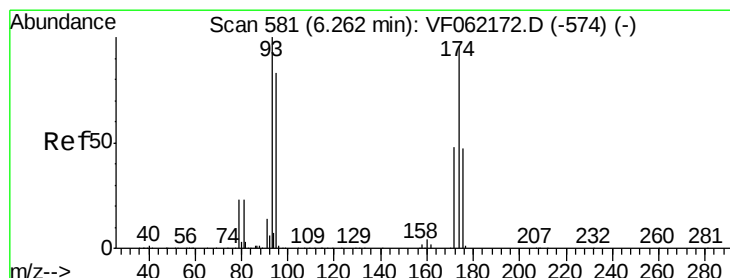
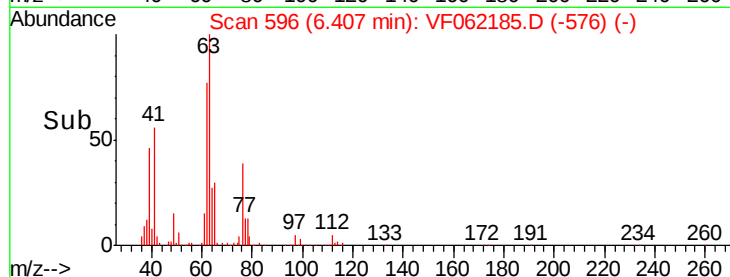
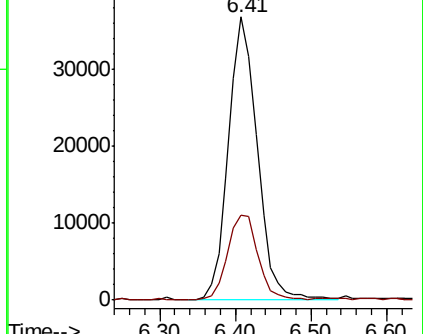
63 100

65 30.2 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: 21.711 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

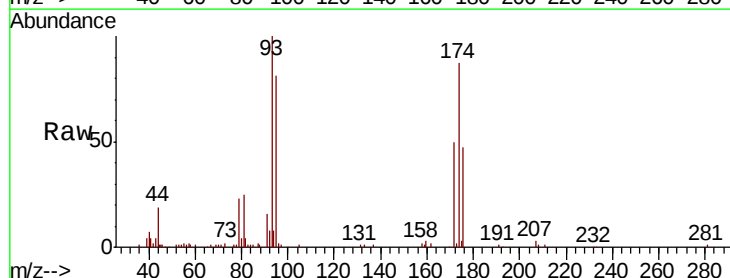
Tgt Ion: 93 Resp: 58455

Ion Ratio Lower Upper

93 100

95 81.1 67.0 100.6

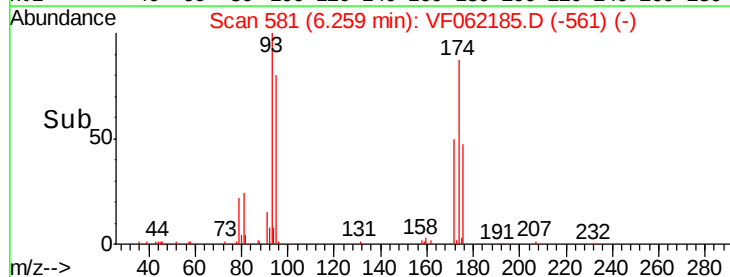
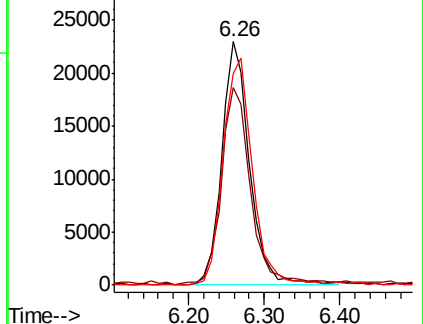
174 87.0 76.3 114.5

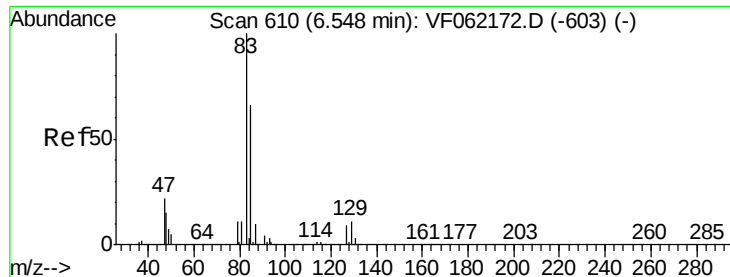


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.912 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

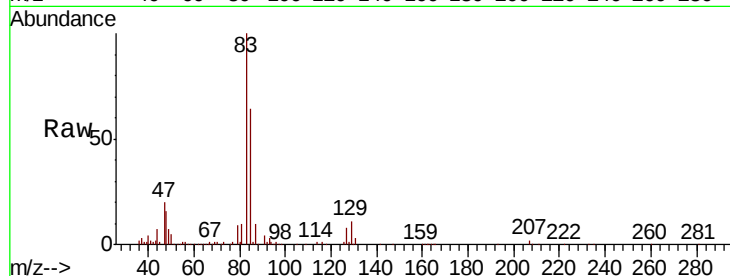
Tot Ion: 83 Resp: 133653

Ion Ratio Lower Upper

83 100

85 63.5 52.6 79.0

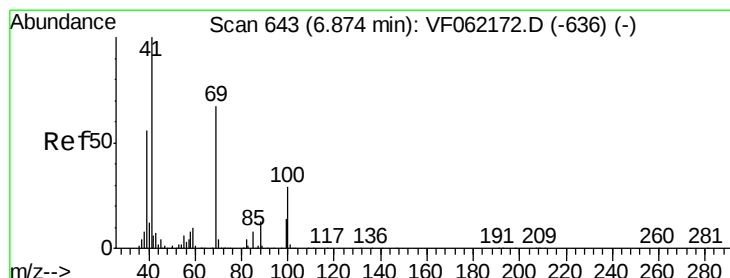
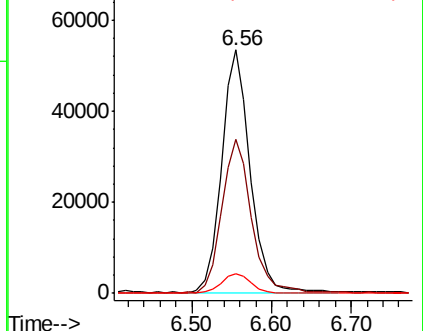
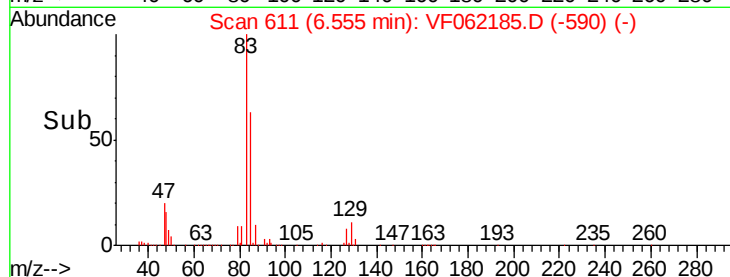
127 8.0 6.8 10.2



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: 22.283 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

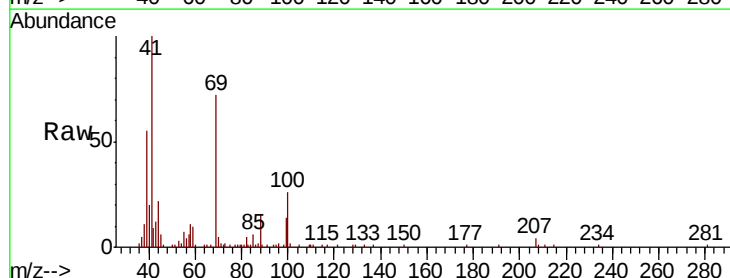
Tgt Ion: 41 Resp: 53516

Ion Ratio Lower Upper

41 100

69 72.2 52.8 79.2

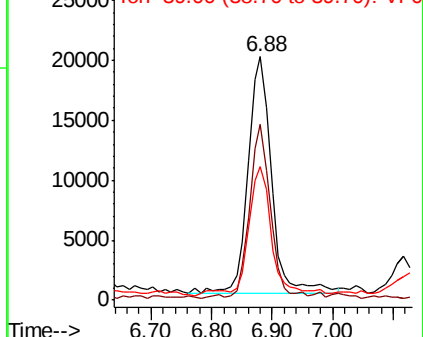
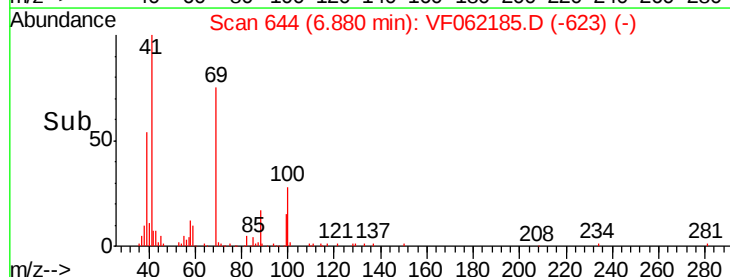
39 54.6 45.0 67.4

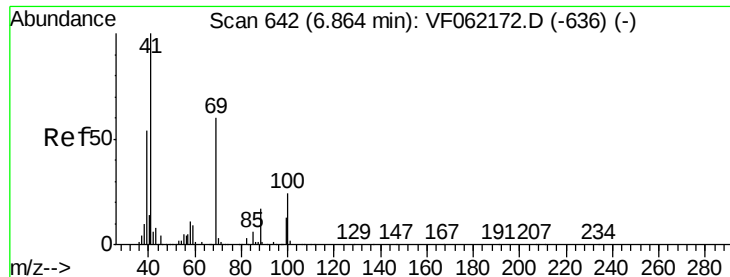


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

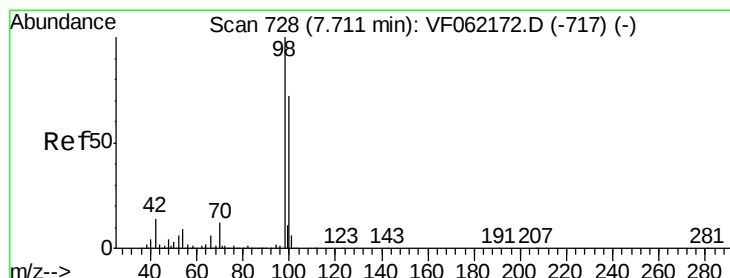
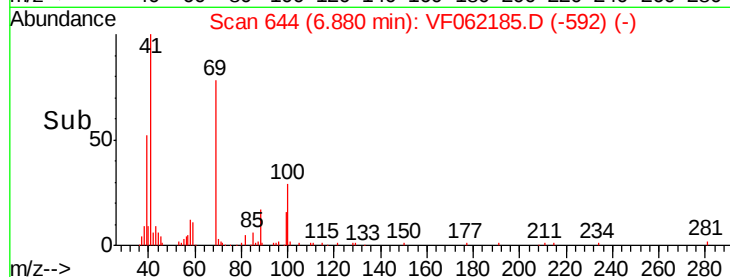
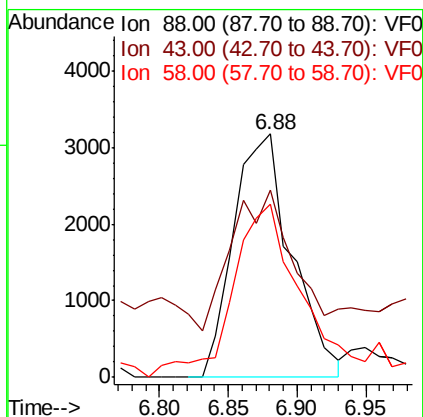
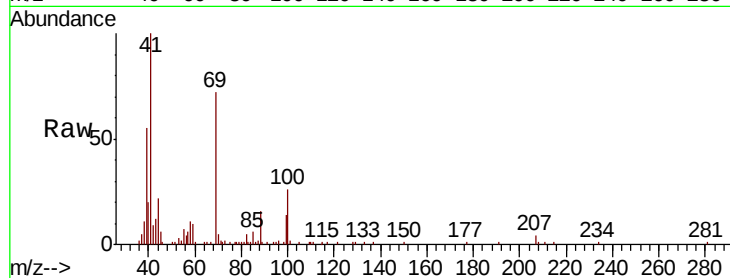




#49
 1,4-Dioxane
 Concen: 498.584 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. 0.02 min
 Lab File: VF062185.D
 Acq: 16 Apr 2019 19:39

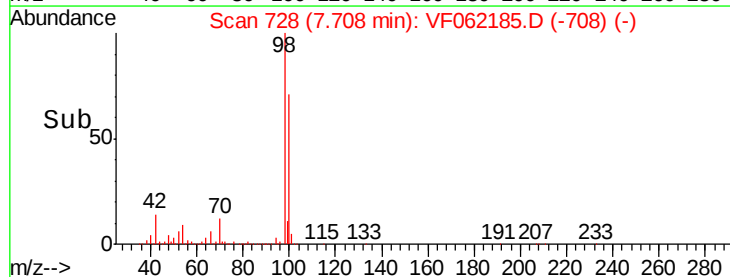
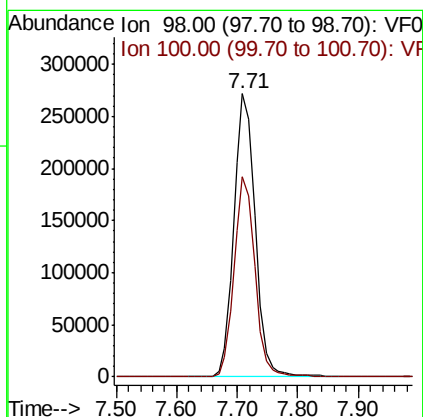
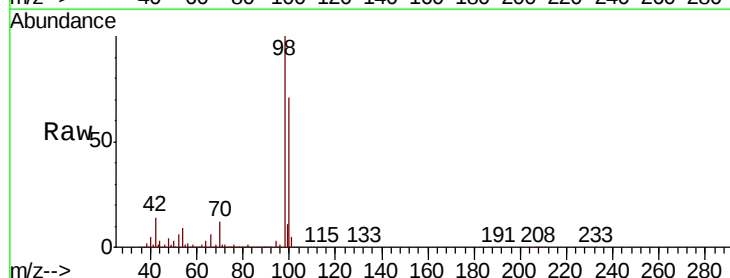
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

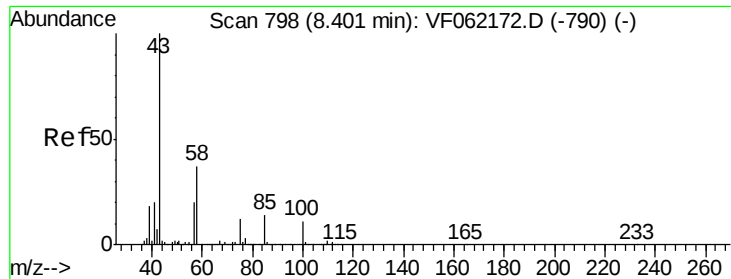
Tot Ion: 88 Resp: 9331
 Ion Ratio Lower Upper
 88 100
 43 77.0 49.5 74.3#
 58 71.2 52.6 79.0



#50
 Toluene-d8
 Concen: 46.702 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VF062185.D
 Acq: 16 Apr 2019 19:39

Tgt Ion: 98 Resp: 667605
 Ion Ratio Lower Upper
 98 100
 100 70.6 57.4 86.0





#51

4-Methyl-2-Pentanone

Concen: 99.738 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

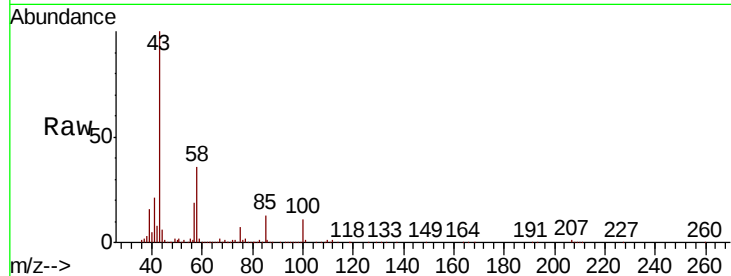
VF0416SBS01

Tot Ion: 43 Resp: 281916

Ion Ratio Lower Upper

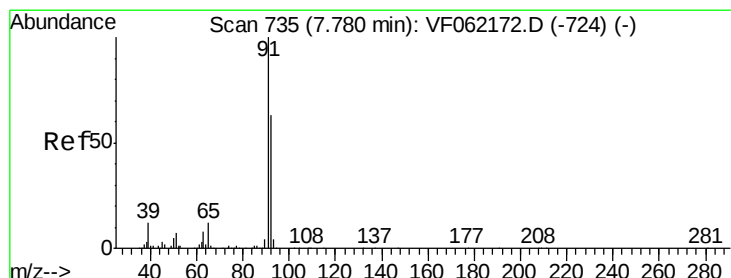
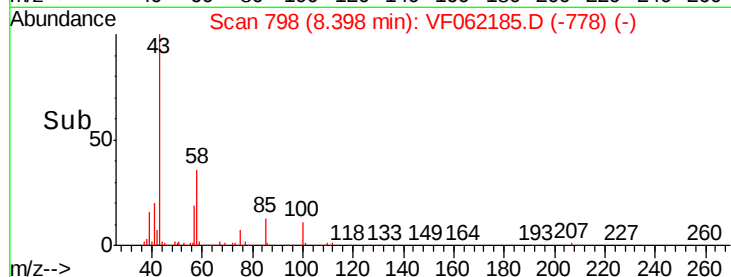
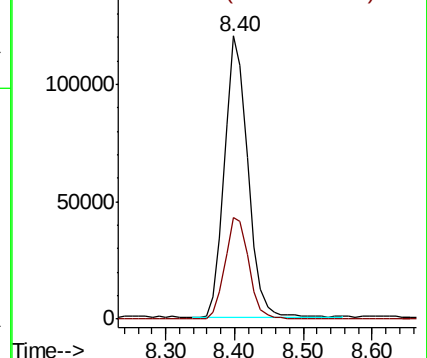
43 100

58 36.0 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: 20.686 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF062185.D

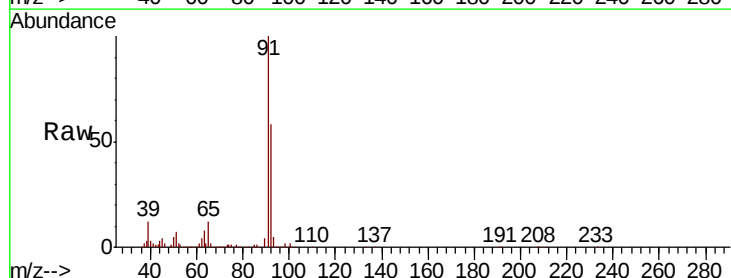
Acq: 16 Apr 2019 19:39

Tgt Ion: 92 Resp: 221171

Ion Ratio Lower Upper

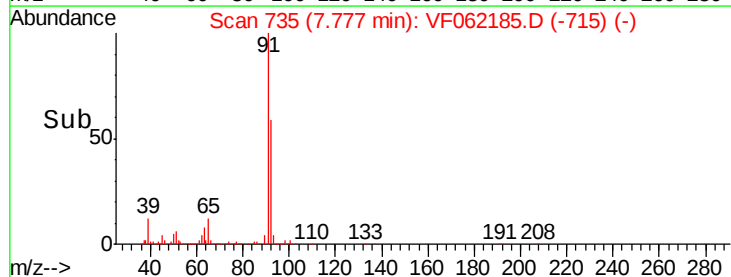
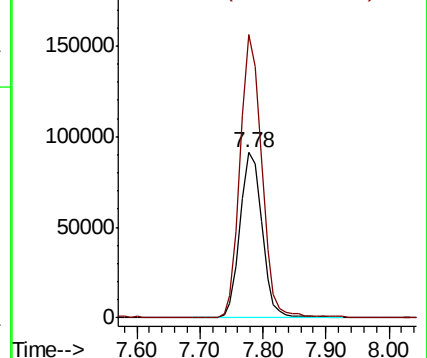
92 100

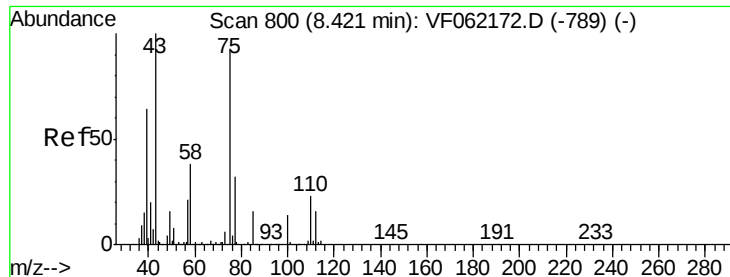
91 171.3 126.9 190.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

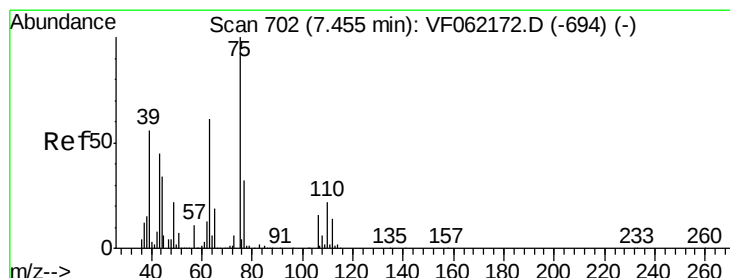
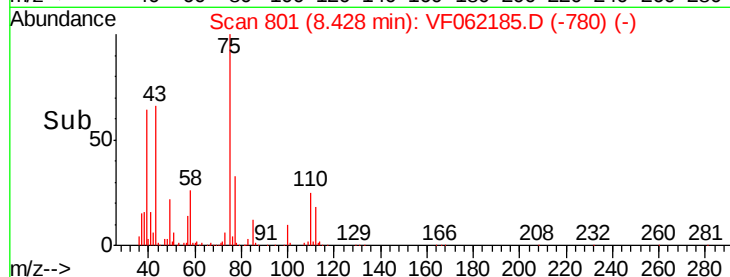
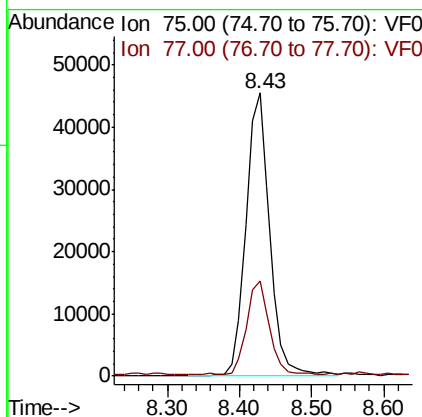
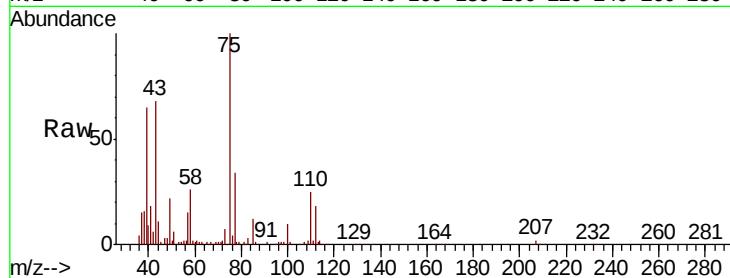




#53
 t-1,3-Dichloropropene
 Concen: 19.955 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: VF062185.D
 Acq: 16 Apr 2019 19:39

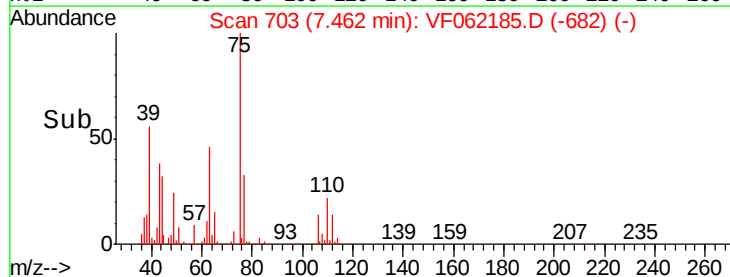
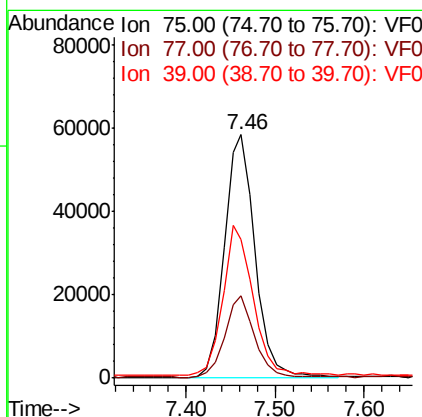
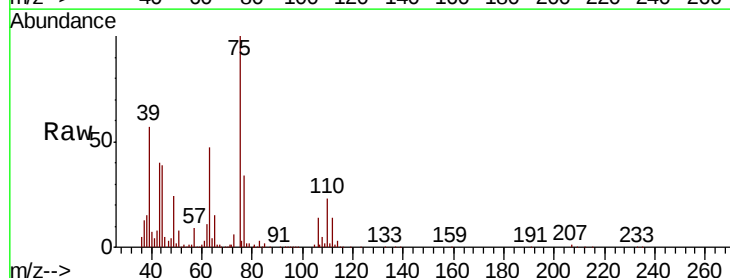
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

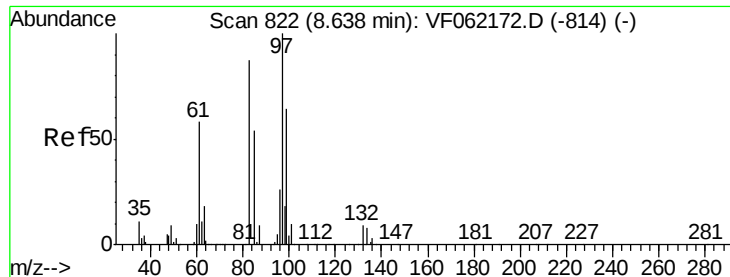
Tot Ion: 75 Resp: 105432
 Ion Ratio Lower Upper
 75 100
 77 33.6 27.8 41.6



#54
 cis-1,3-Dichloropropene
 Concen: 21.111 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VF062185.D
 Acq: 16 Apr 2019 19:39

Tgt Ion: 75 Resp: 141829
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.0 39.0
 39 56.8 45.2 67.8

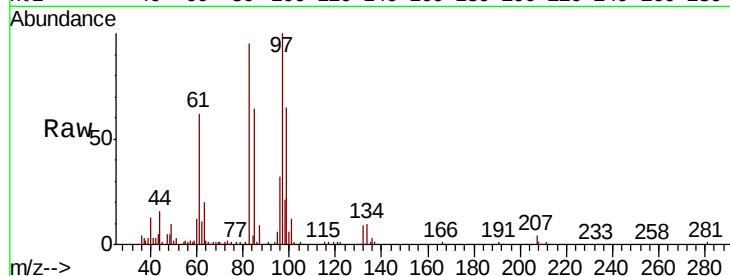




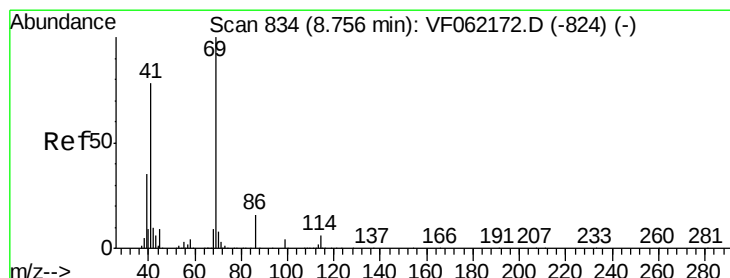
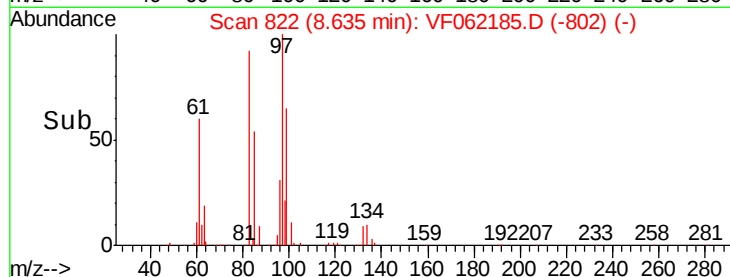
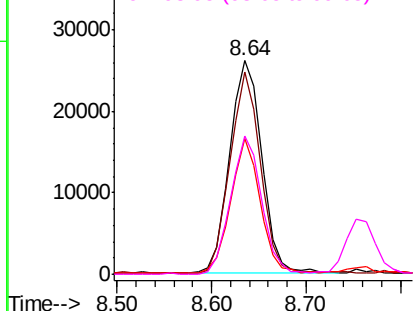
#55
 1,1,2-Trichloroethane
 Concen: 20.061 ug/l
 RT: 8.64 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VF062185.D
 Acq: 16 Apr 2019 19:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

Tot Ion:	97	Resp:	61431
Ion	Ratio	Lower	Upper
97	100		
83	94.8	69.6	104.4
85	63.6	43.5	65.3
99	64.7	51.5	77.3

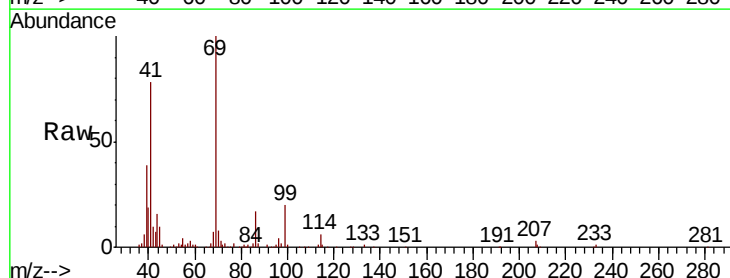


Abundance Ion 97.00 (96.70 to 97.70): VF0
 Ion 82.95 (82.65 to 83.65): VF0
 Ion 84.95 (84.65 to 85.65): VF0
 Ion 98.95 (98.65 to 99.65): VF0

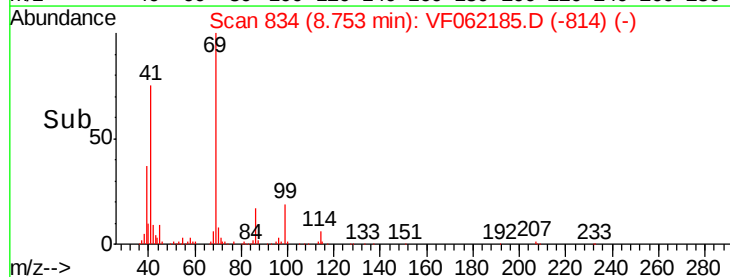
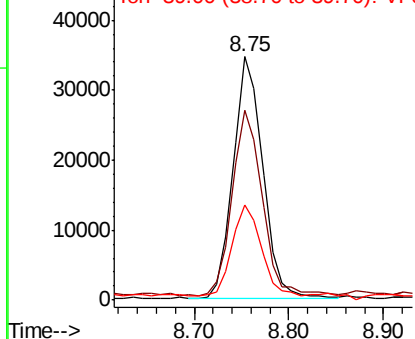


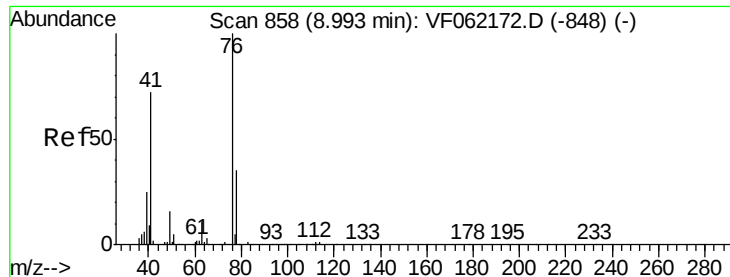
#56
 Ethyl methacrylate
 Concen: 20.806 ug/l
 RT: 8.75 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VF062185.D
 Acq: 16 Apr 2019 19:39

Tgt Ion:	69	Resp:	75759
Ion	Ratio	Lower	Upper
69	100		
41	77.9	63.4	95.0
39	39.3	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: 20.066 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

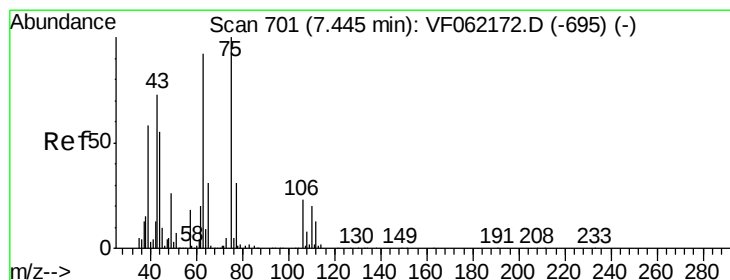
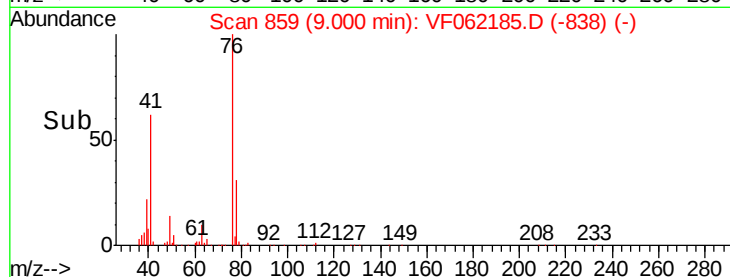
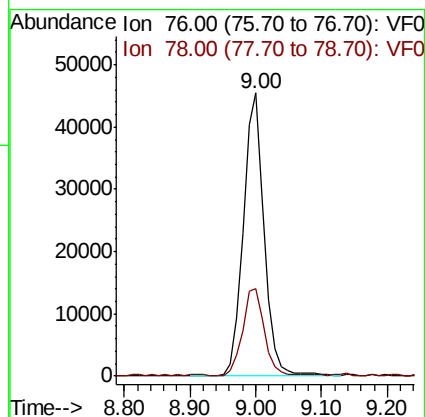
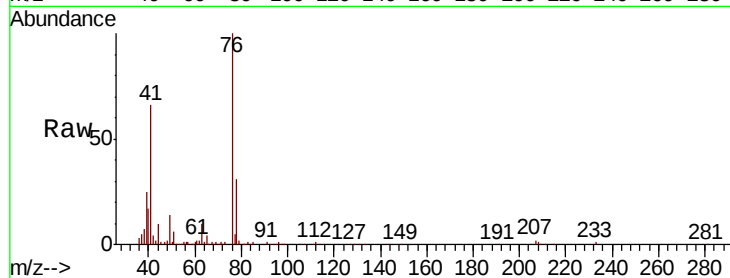
VF0416SBS01

Tot Ion: 76 Resp: 101016

Ion Ratio Lower Upper

76 100

78 31.0 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 94.437 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF062185.D

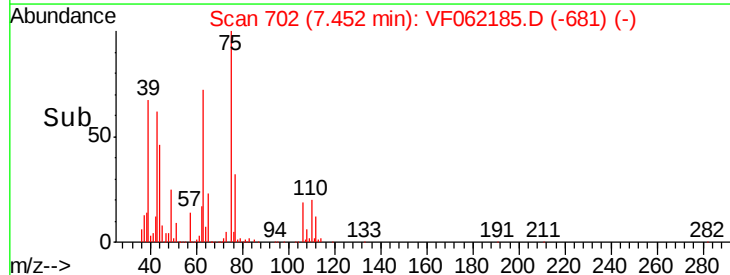
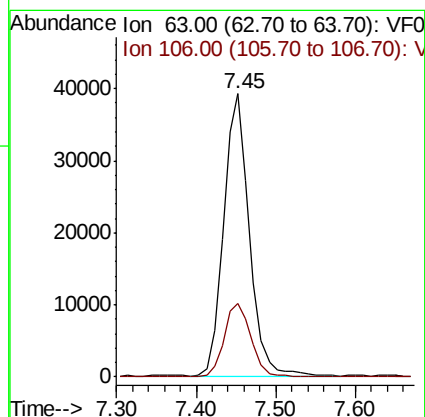
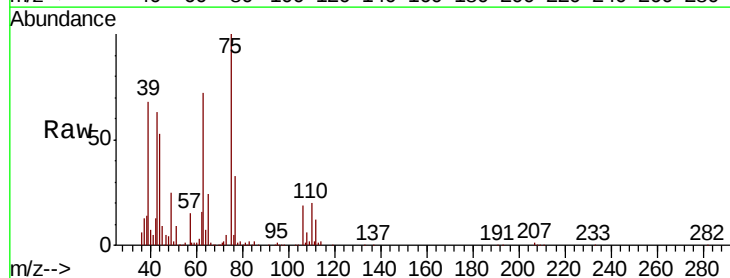
Acq: 16 Apr 2019 19:39

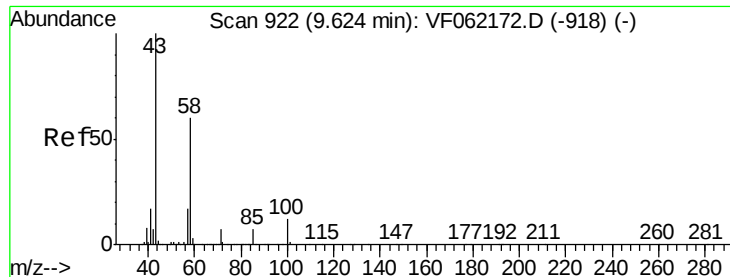
Tgt Ion: 63 Resp: 88599

Ion Ratio Lower Upper

63 100

106 26.1 20.2 30.4

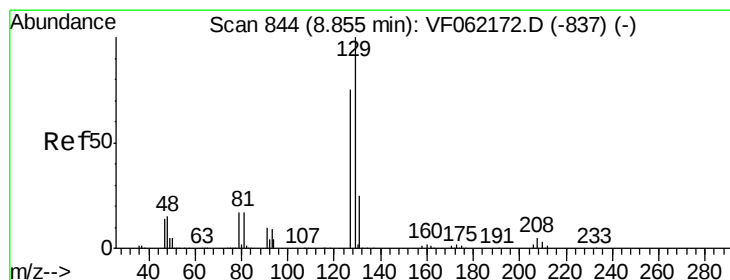
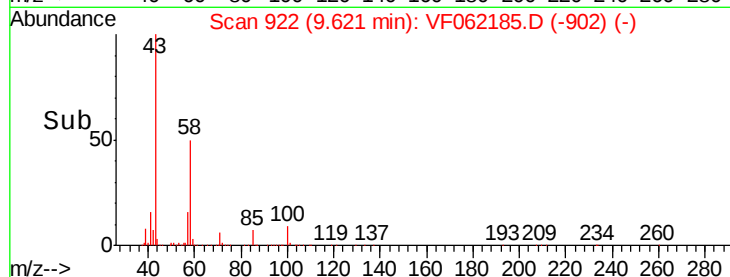
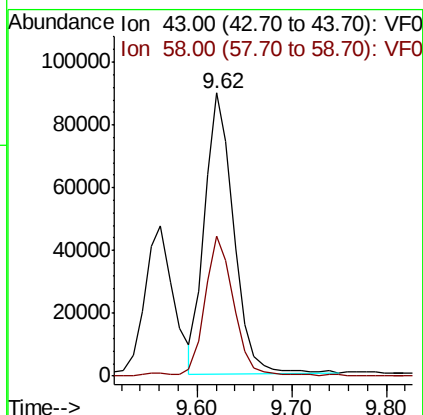
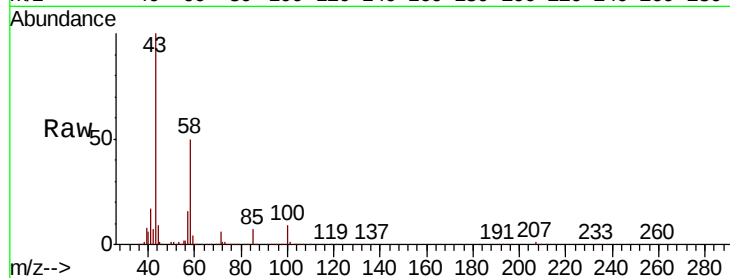




#59
2-Hexanone
Concen: 106.931 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

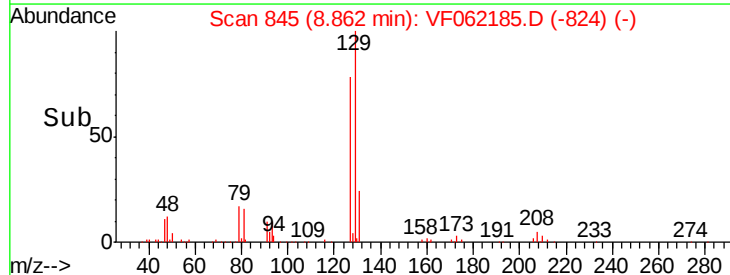
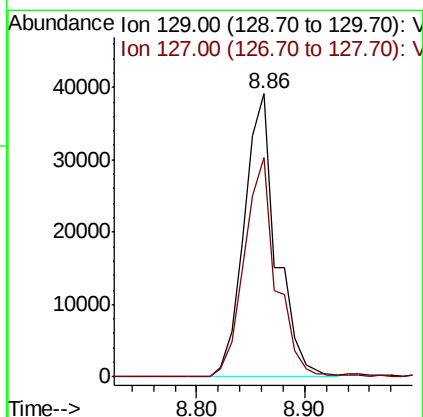
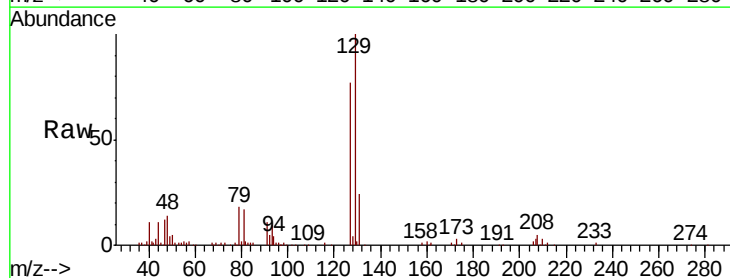
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

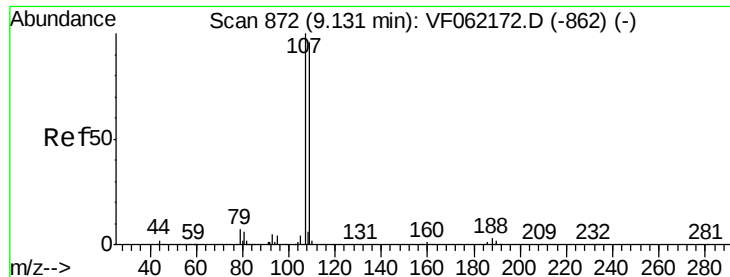
Tot Ion: 43 Resp: 192091
Ion Ratio Lower Upper
43 100
58 49.6 26.8 80.4



#60
Dibromochloromethane
Concen: 19.313 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Tgt Ion:129 Resp: 81372
Ion Ratio Lower Upper
129 100
127 77.4 37.7 113.1





#61

1,2-Dibromoethane

Concen: 21.174 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

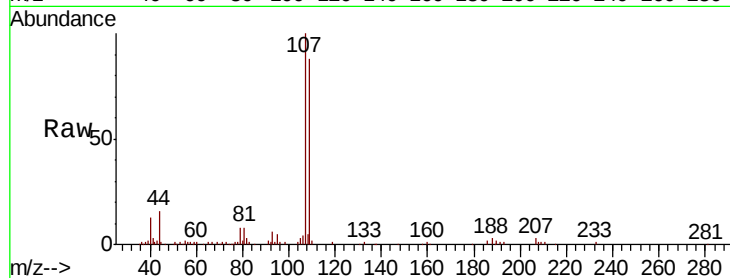
VF0416SBS01

Tot Ion: 107 Resp: 69368

Ion Ratio Lower Upper

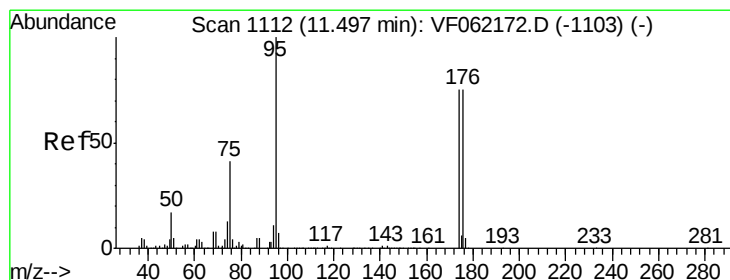
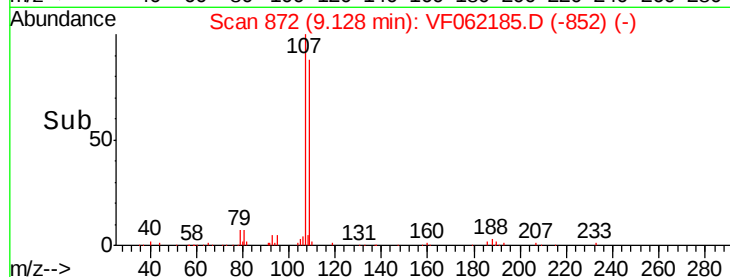
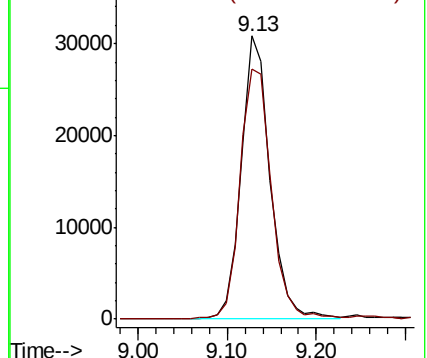
107 100

109 88.4 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: 49.511 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

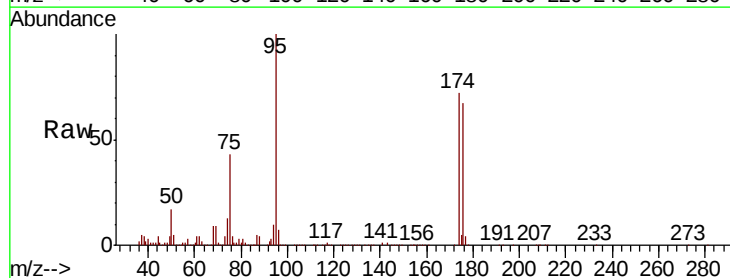
Tgt Ion: 95 Resp: 279495

Ion Ratio Lower Upper

95 100

174 71.9 0.0 150.2

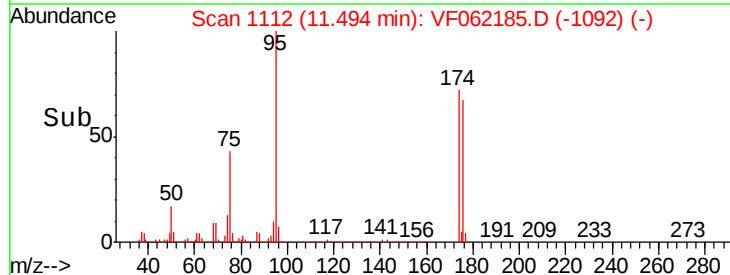
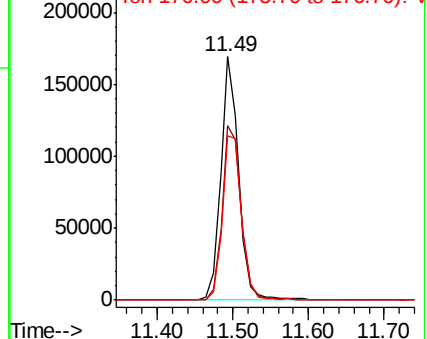
176 67.3 0.0 149.4

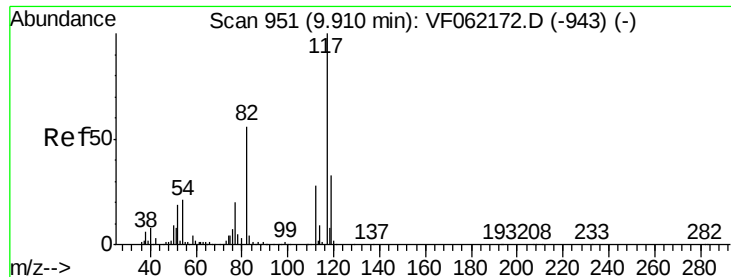


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

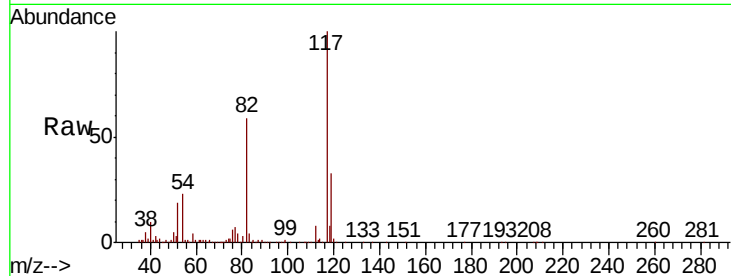




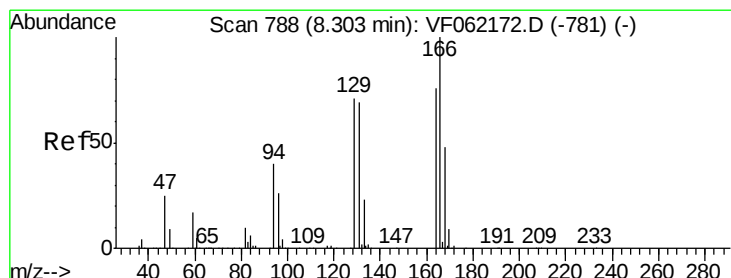
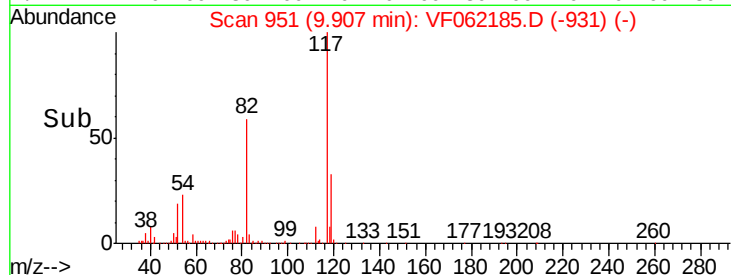
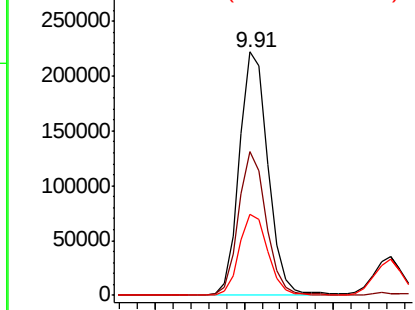
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion:117 Resp: 498443
Ion Ratio Lower Upper
117 100
82 59.0 45.2 67.8
119 33.3 26.6 39.8

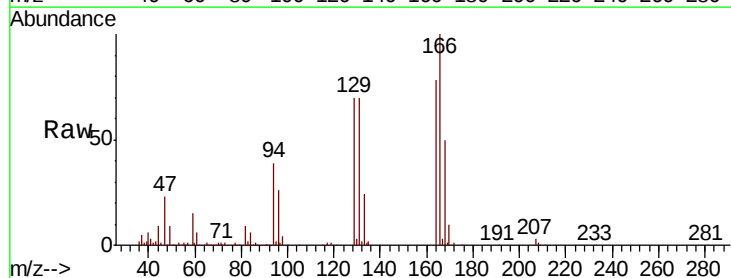


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

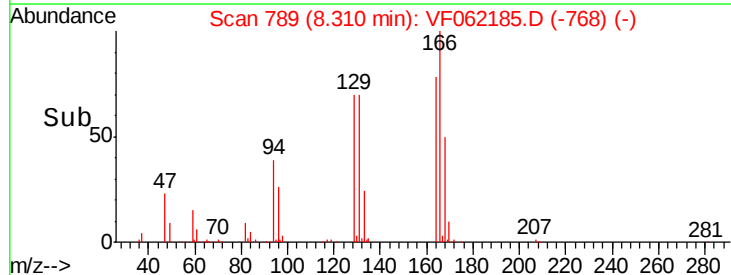
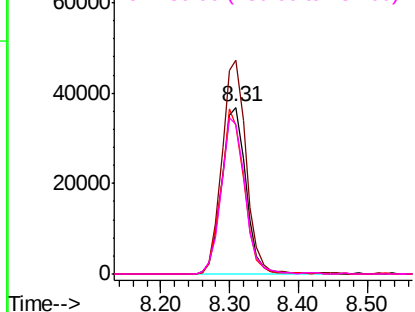


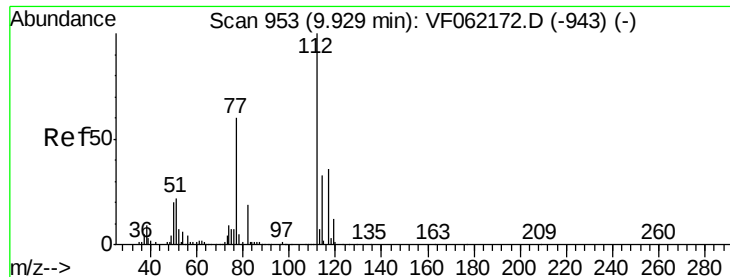
#64
Tetrachloroethene
Concen: 22.018 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Tgt Ion:164 Resp: 89636
Ion Ratio Lower Upper
164 100
166 128.2 105.9 158.9
129 89.5 75.3 112.9
131 89.8 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: 21.976 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

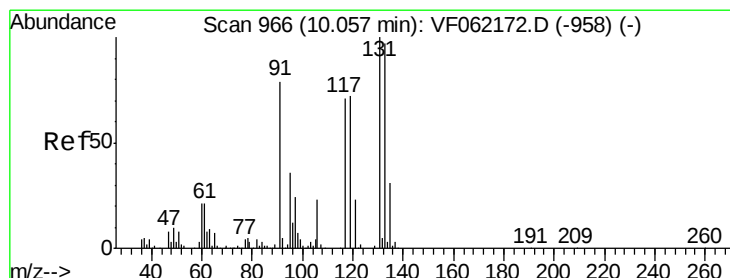
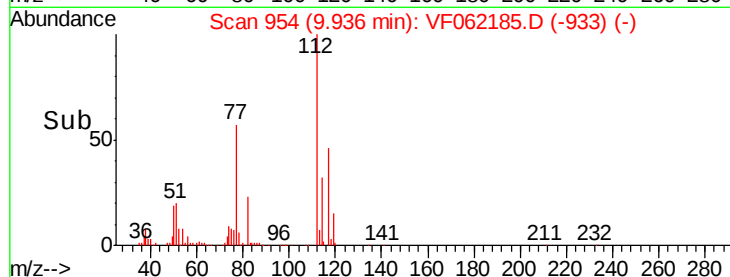
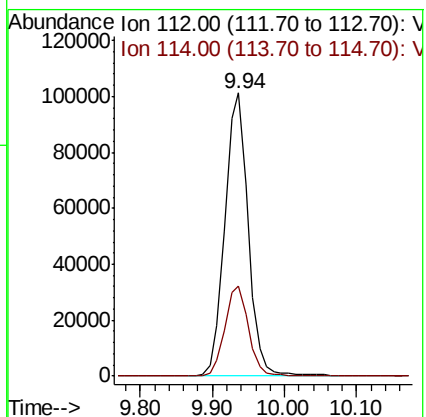
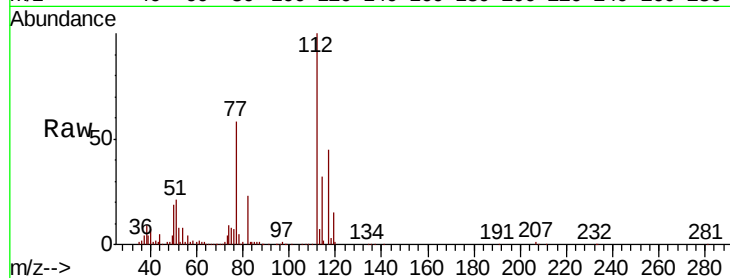
VF0416SBS01

Tot Ion:112 Resp: 227866

Ion Ratio Lower Upper

112 100

114 31.7 26.6 39.8



#66

1,1,1,2-Tetrachloroethane

Concen: 23.966 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

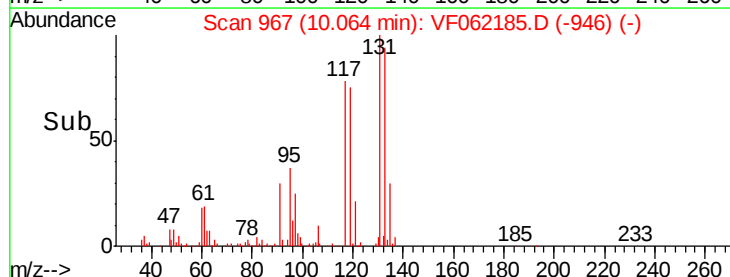
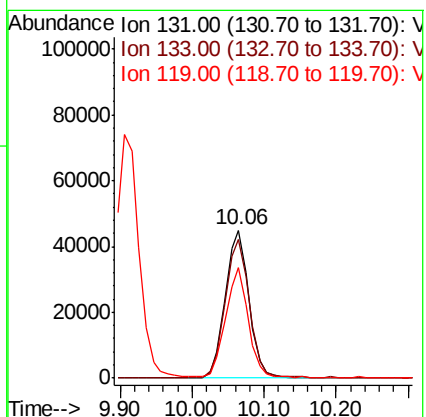
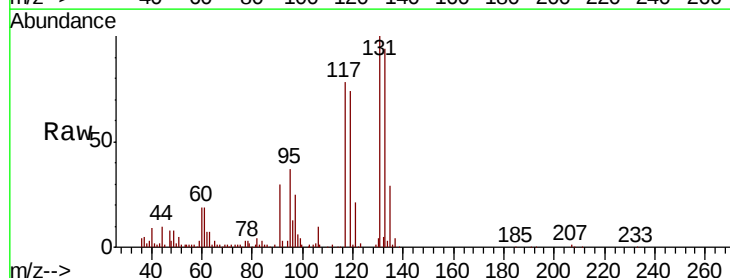
Tgt Ion:131 Resp: 102593

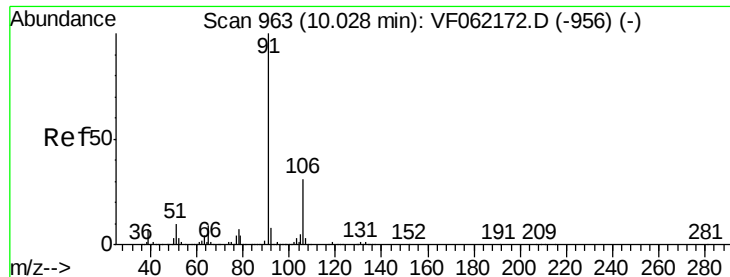
Ion Ratio Lower Upper

131 100

133 94.2 48.4 145.2

119 74.4 36.3 108.9

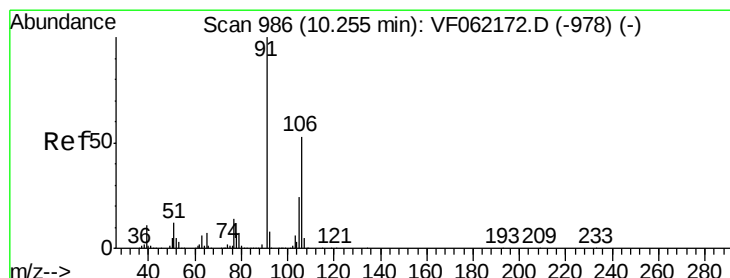
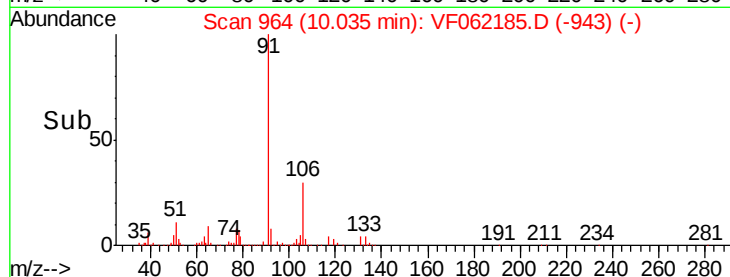
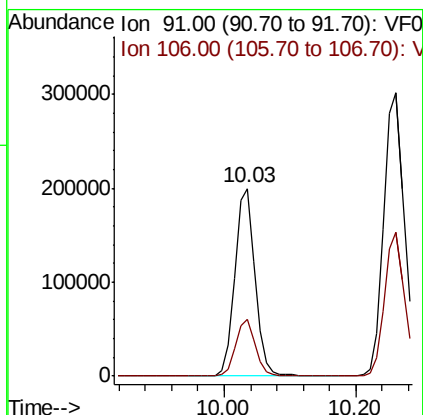
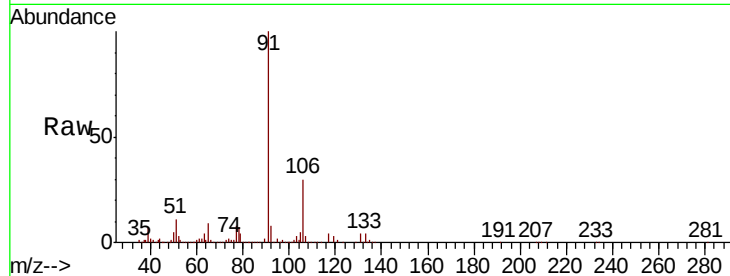




#67
Ethyl Benzene
Concen: 22.540 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

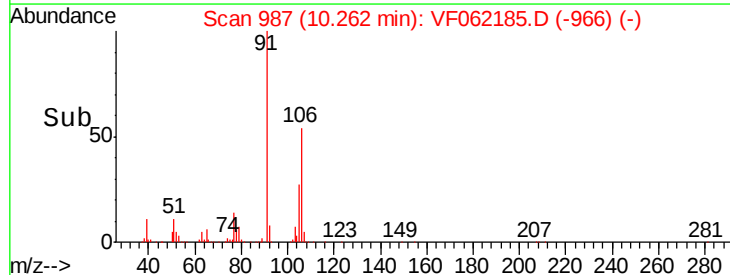
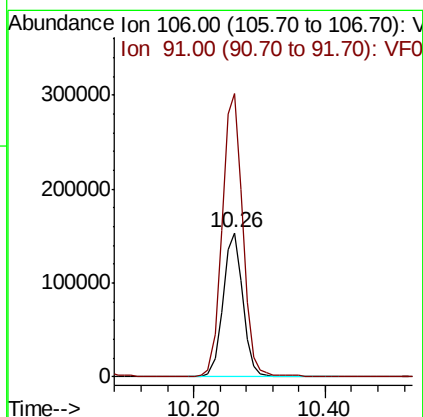
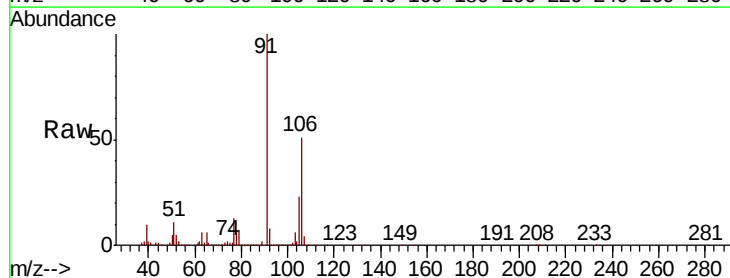
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

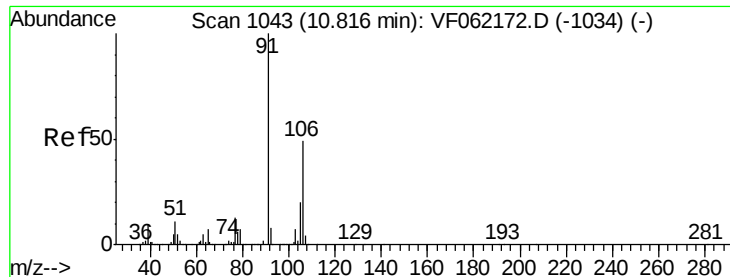
Tot Ion: 91 Resp: 433236
Ion Ratio Lower Upper
91 100
106 29.9 24.7 37.1



#68
m/p-Xylenes
Concen: 45.641 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.01 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Tgt Ion: 106 Resp: 322931
Ion Ratio Lower Upper
106 100
91 196.6 151.7 227.5

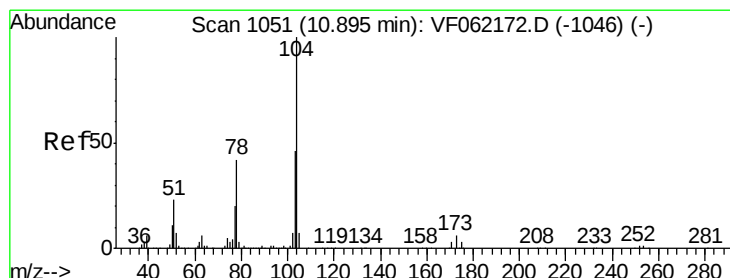
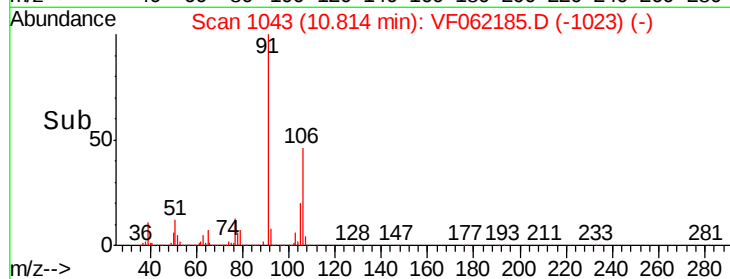
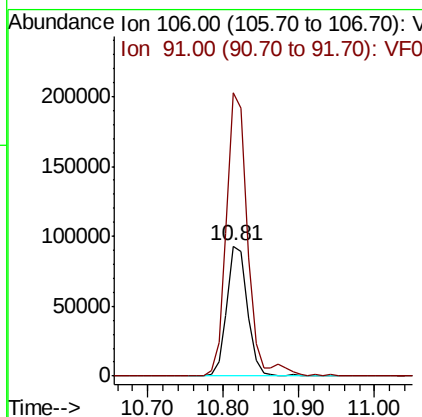
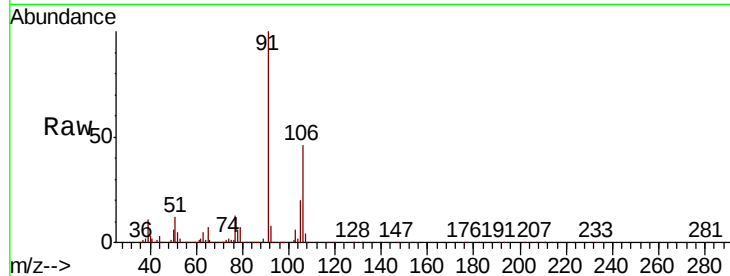




#69
o-Xylene
Concen: 23.041 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

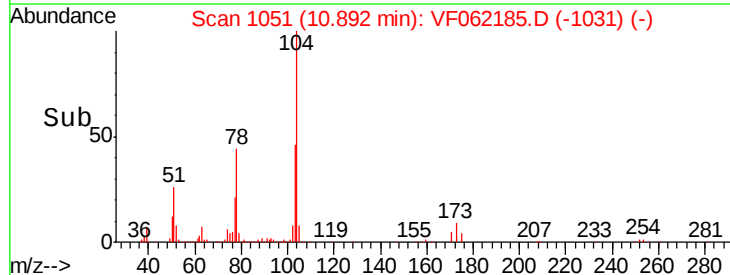
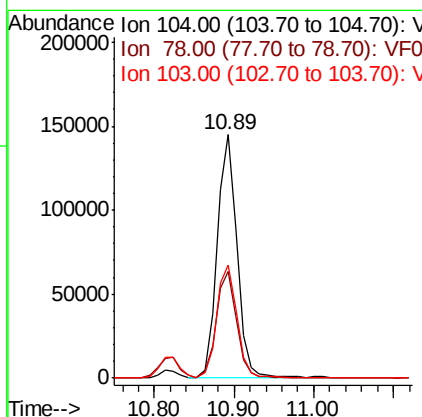
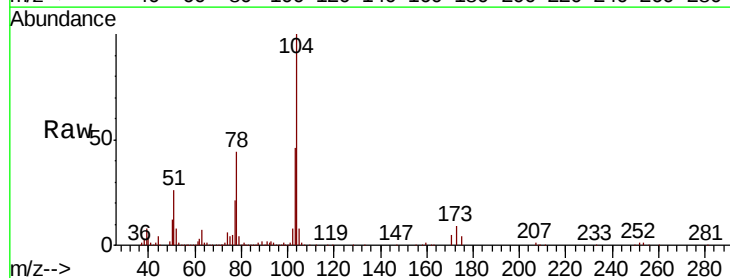
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

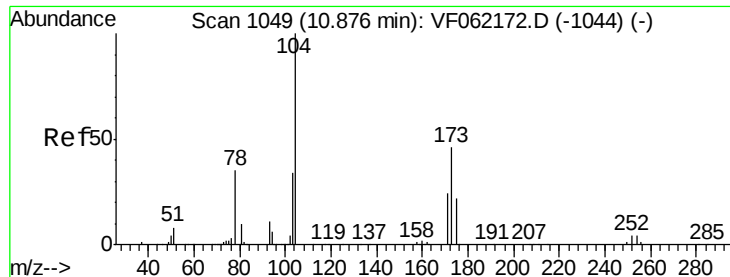
Tot Ion:106 Resp: 176508
Ion Ratio Lower Upper
106 100
91 218.1 101.9 305.7



#70
Styrene
Concen: 22.716 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Tgt Ion:104 Resp: 253067
Ion Ratio Lower Upper
104 100
78 43.8 33.7 50.5
103 46.5 37.2 55.8

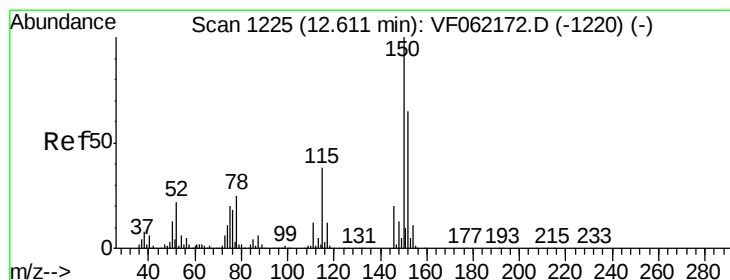
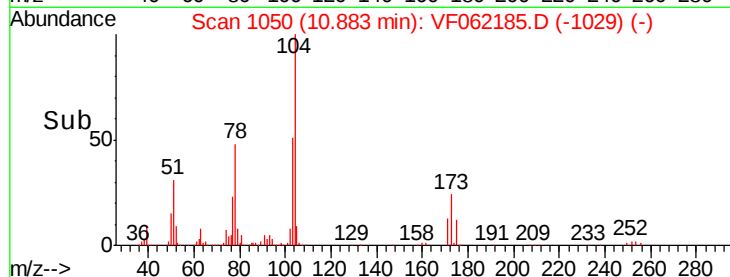
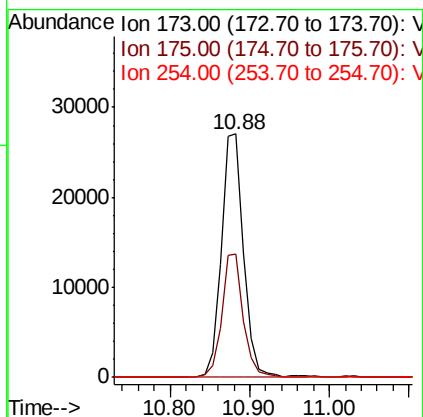
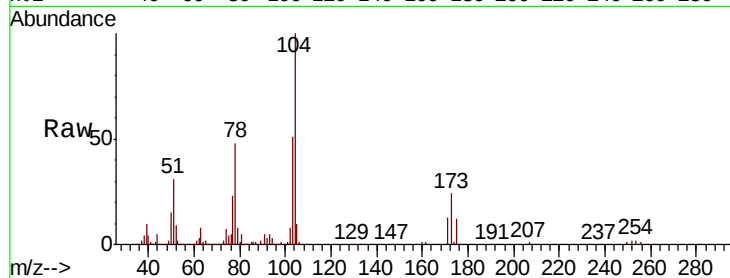




#71
Bromoform
Concen: 23.770 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

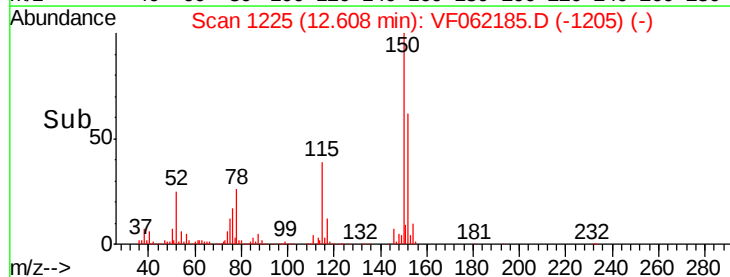
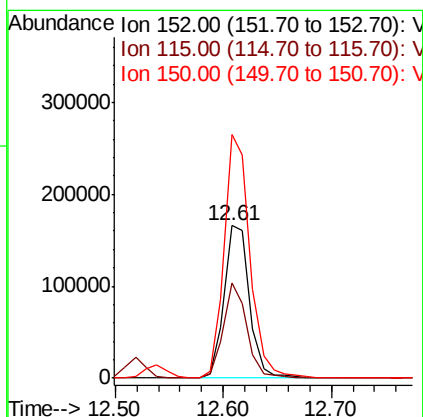
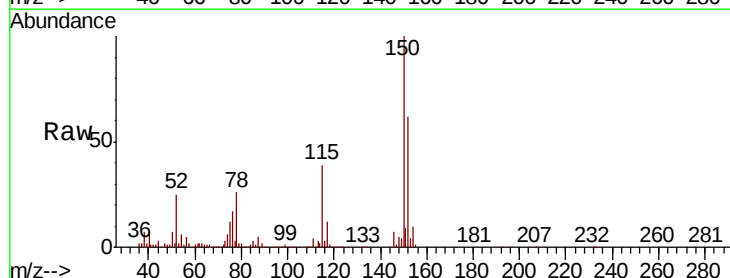
Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

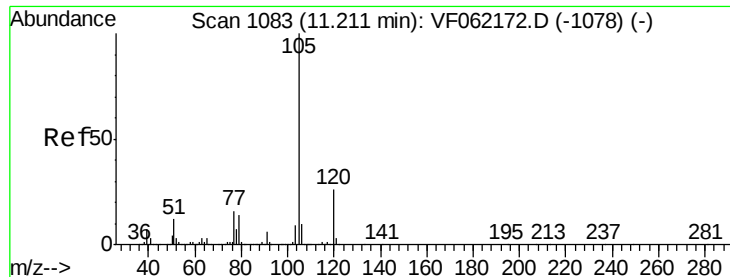
Tot Ion:173 Resp: 53288
Ion Ratio Lower Upper
173 100
175 50.5 24.3 72.8
254 0.0 6.6 9.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Tgt Ion:152 Resp: 271967
Ion Ratio Lower Upper
152 100
115 62.4 29.0 87.1
150 160.1 0.0 309.2





#73

Isopropylbenzene

Concen: 21.614 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

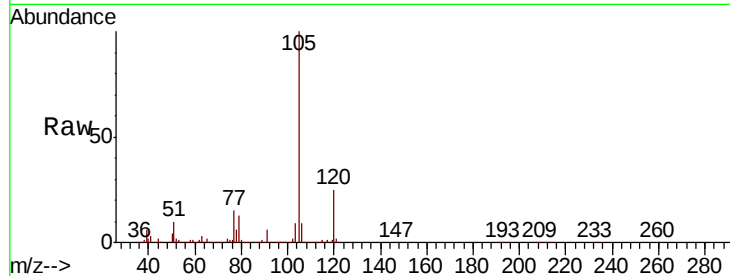
VF0416SBS01

Tot Ion:105 Resp: 506407

Ion Ratio Lower Upper

105 100

120 25.3 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

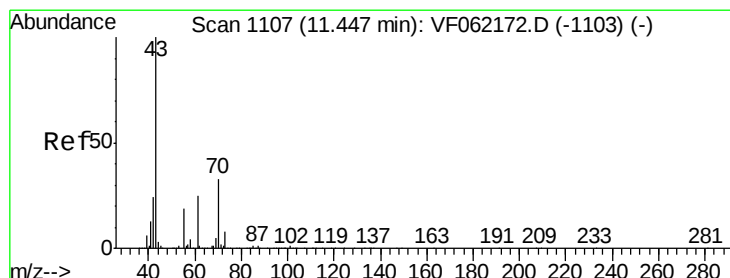
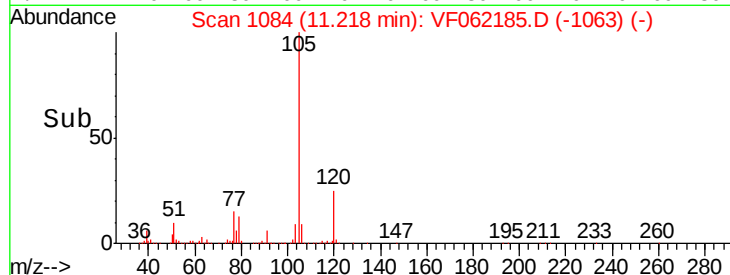
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.740 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Tgt Ion: 43 Resp: 124517

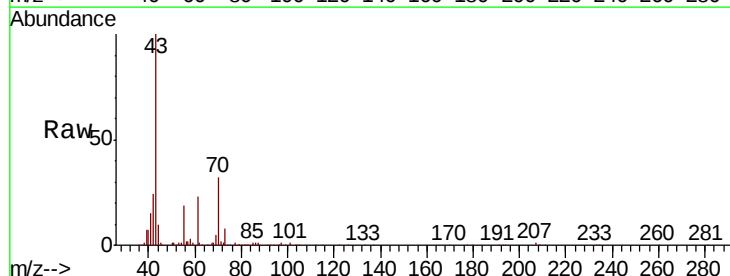
Ion Ratio Lower Upper

43 100

70 32.4 26.6 39.8

55 19.4 15.0 22.6

61 22.9 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

11.44

80000

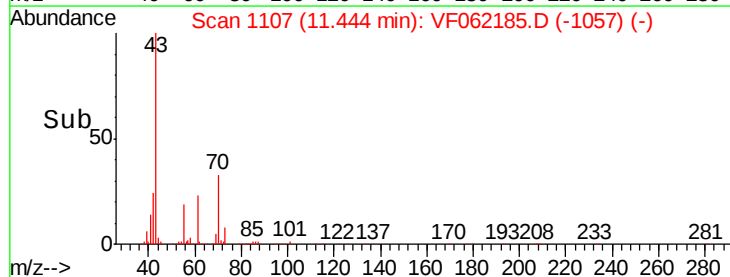
60000

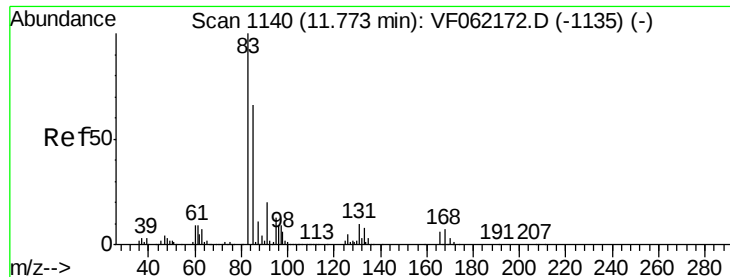
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.447 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

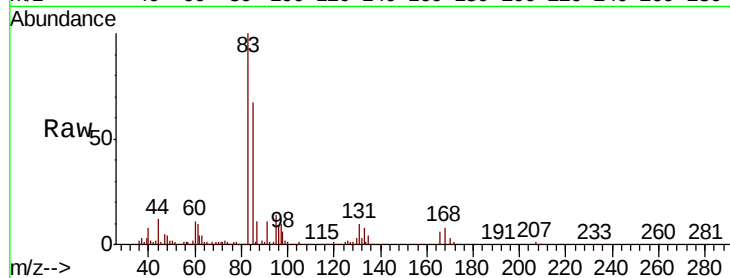
Tot Ion: 83 Resp: 85339

Ion Ratio Lower Upper

83 100

131 10.0 4.8 14.4

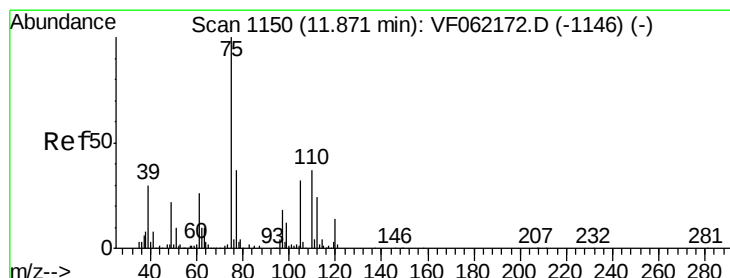
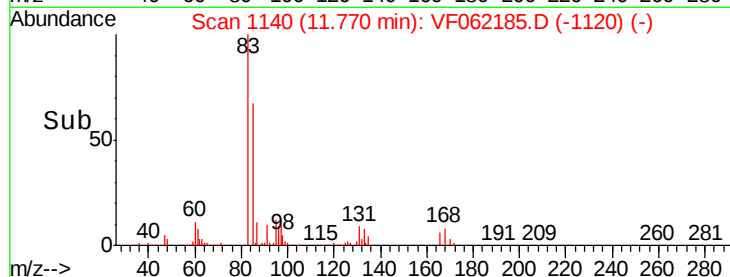
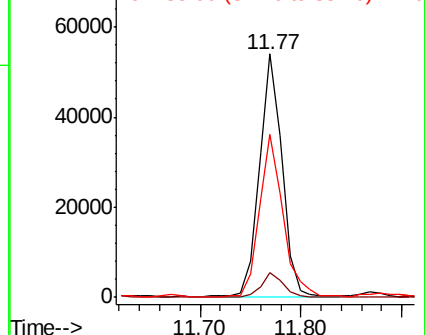
85 66.8 33.2 99.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.287 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VF062185.D

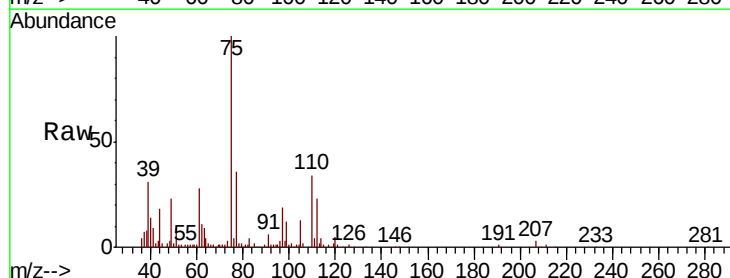
Acq: 16 Apr 2019 19:39

Tgt Ion: 75 Resp: 57422

Ion Ratio Lower Upper

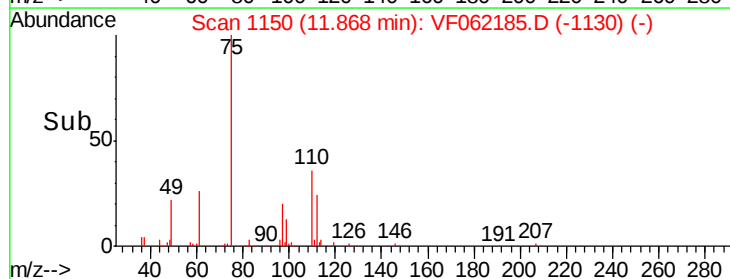
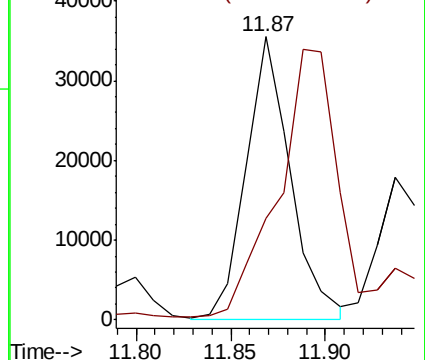
75 100

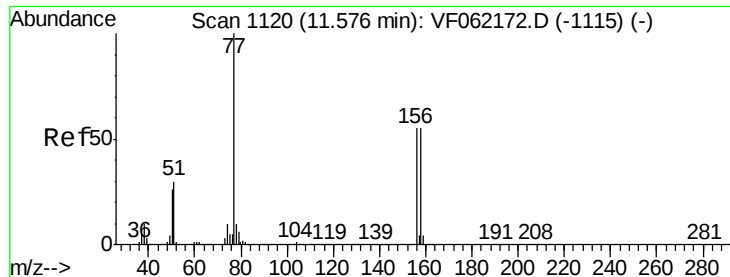
77 35.7 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.191 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

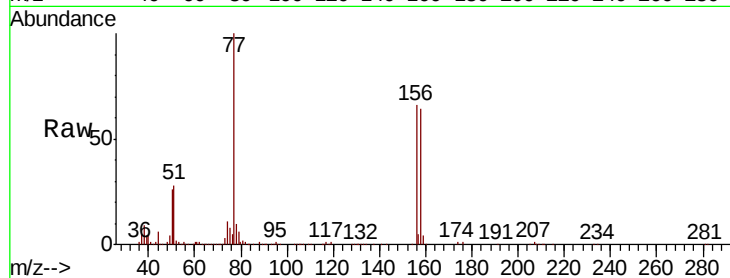
Tot Ion:156 Resp: 103256

Ion Ratio Lower Upper

156 100

77 150.7 91.1 273.4

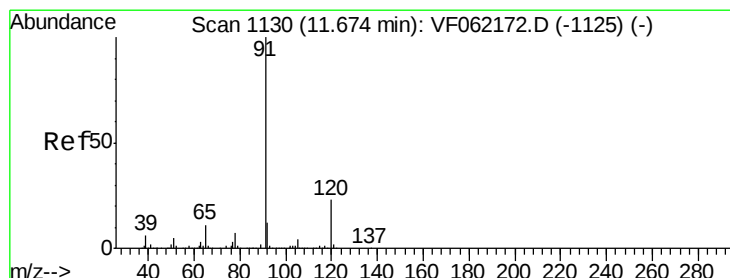
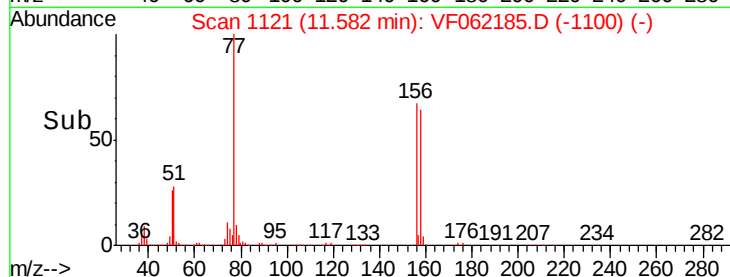
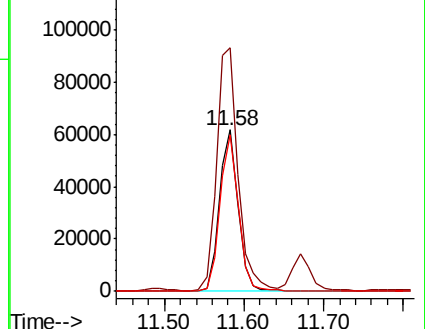
158 96.7 50.1 150.4



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: 21.364 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF062185.D

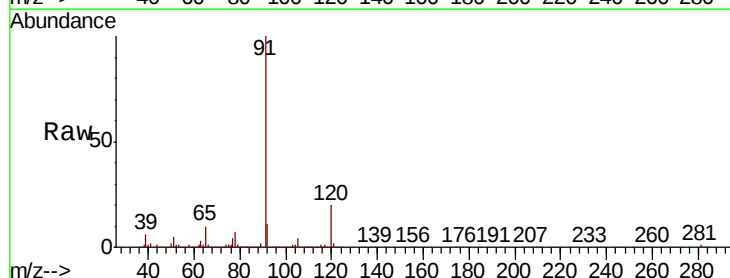
Acq: 16 Apr 2019 19:39

Tgt Ion: 91 Resp: 568976

Ion Ratio Lower Upper

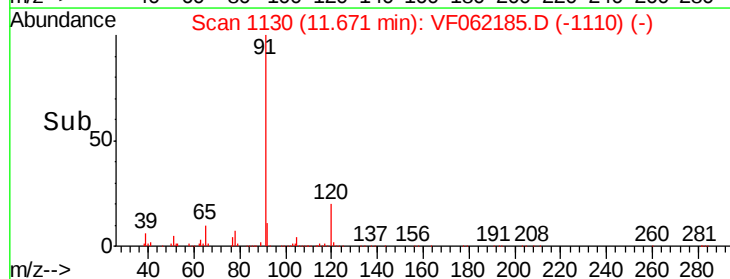
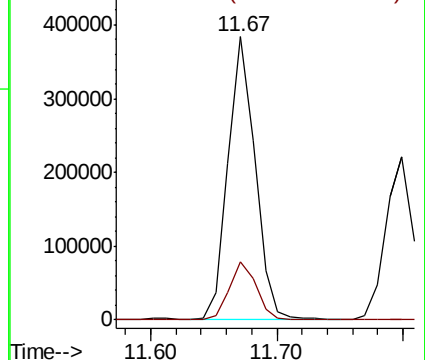
91 100

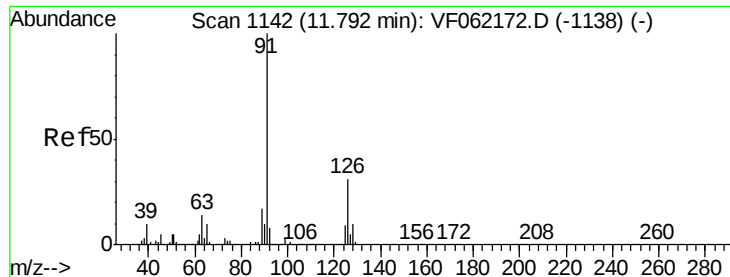
120 20.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.407 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

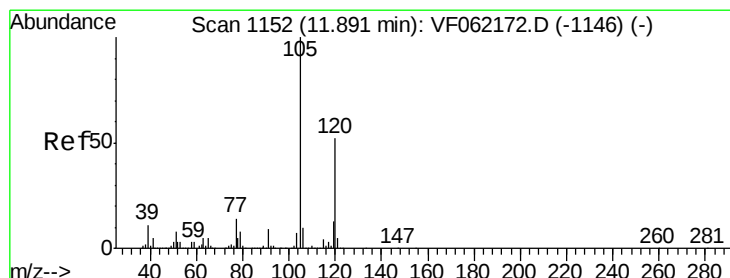
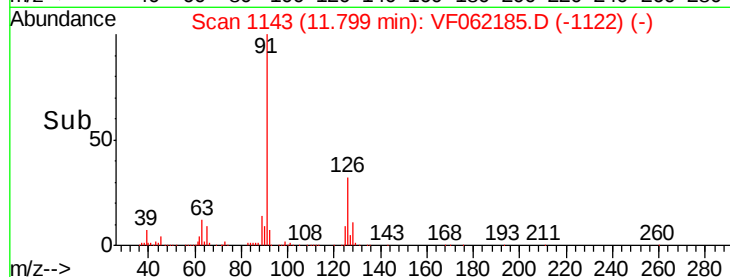
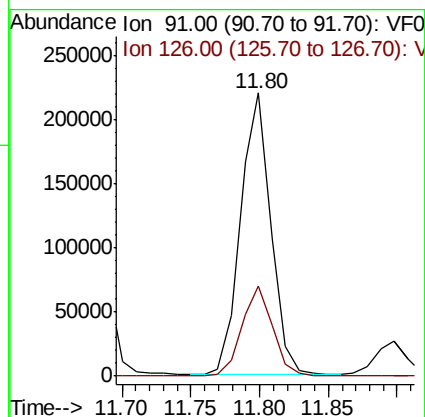
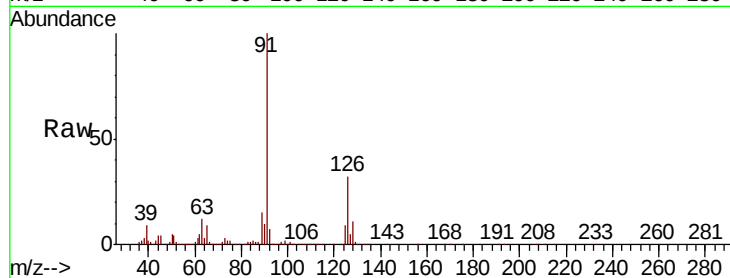
VF0416SBS01

Tot Ion: 91 Resp: 336052

Ion Ratio Lower Upper

91 100

126 31.9 15.6 46.8



#80

1,3,5-Trimethylbenzene

Concen: 21.414 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062185.D

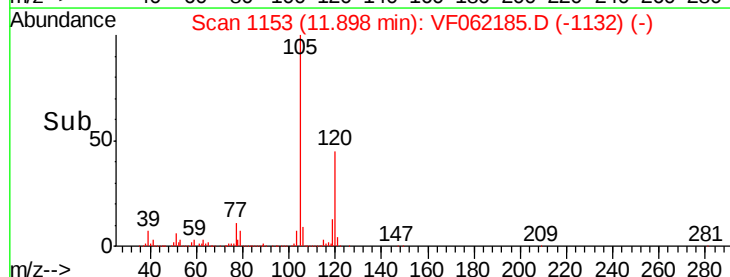
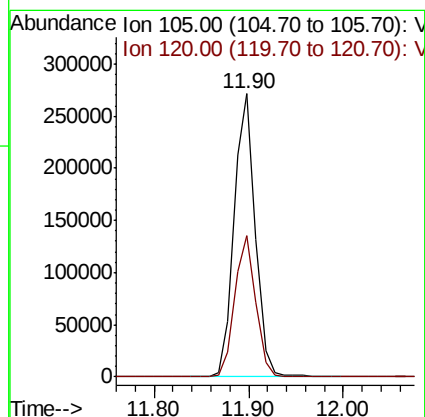
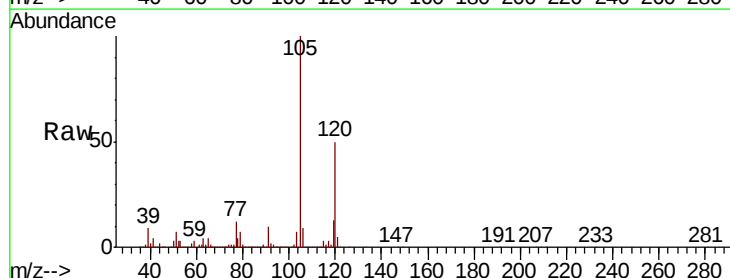
Acq: 16 Apr 2019 19:39

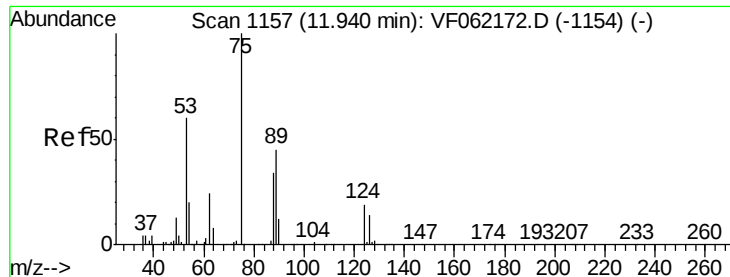
Tgt Ion:105 Resp: 418459

Ion Ratio Lower Upper

105 100

120 50.1 25.9 77.7





#81

trans-1,4-Dichloro-2-butene

Concen: 28.116 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

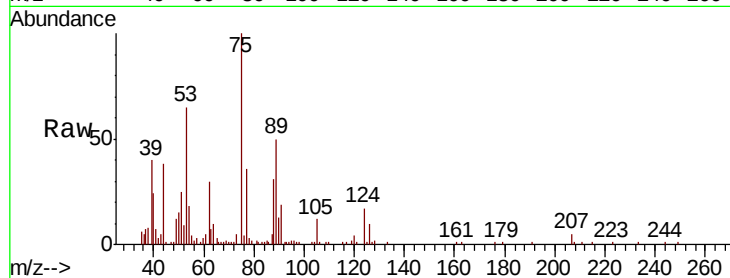
Tot Ion: 75 Resp: 39803

Ion Ratio Lower Upper

75 100

53 64.7 53.4 80.0

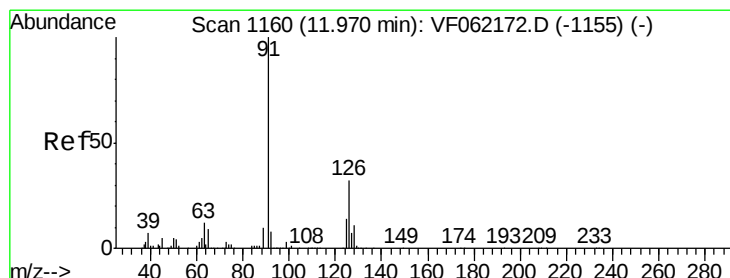
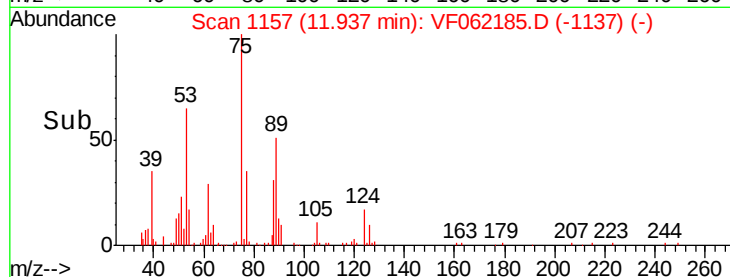
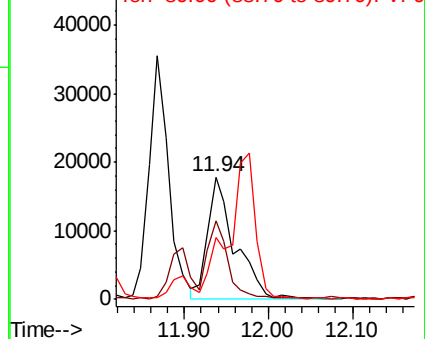
89 50.2 38.7 58.1



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: 21.380 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062185.D

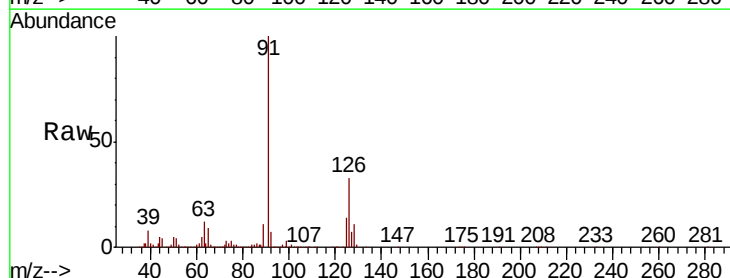
Acq: 16 Apr 2019 19:39

Tgt Ion: 91 Resp: 328916

Ion Ratio Lower Upper

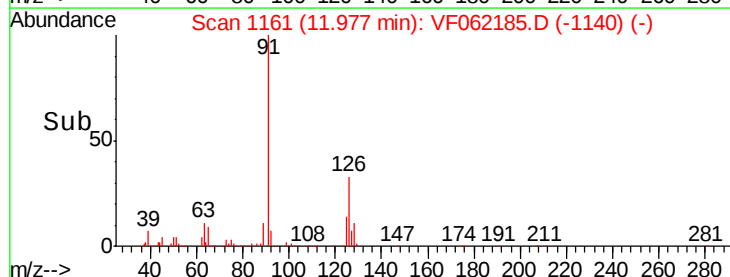
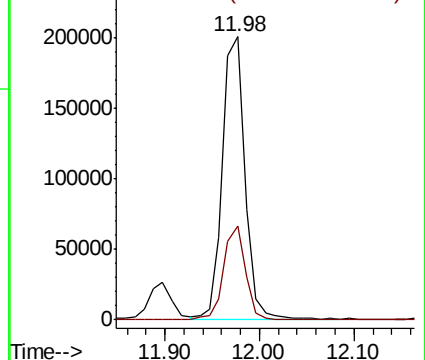
91 100

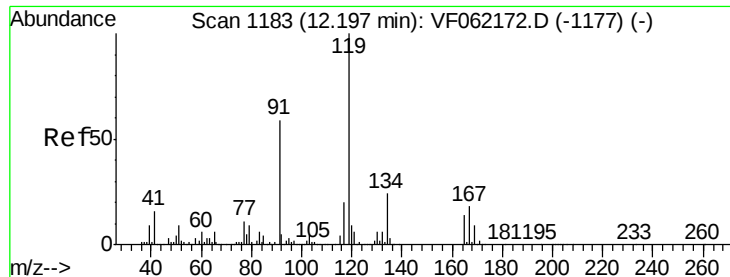
126 33.1 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 22.243 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

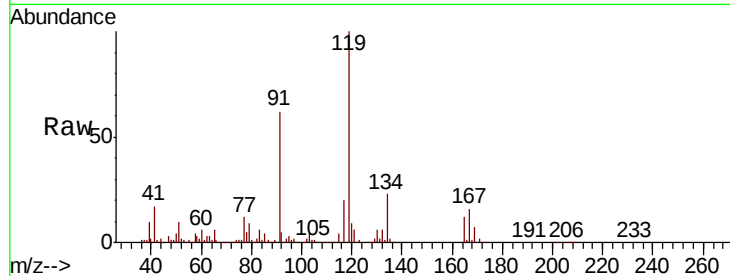
Tot Ion:119 Resp: 431610

Ion Ratio Lower Upper

119 100

91 61.9 29.5 88.5

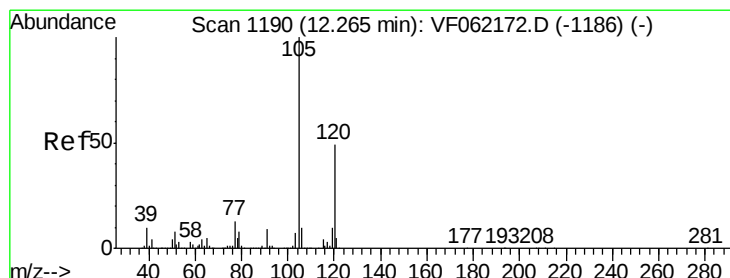
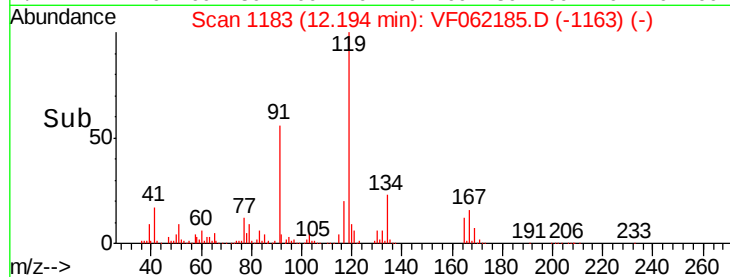
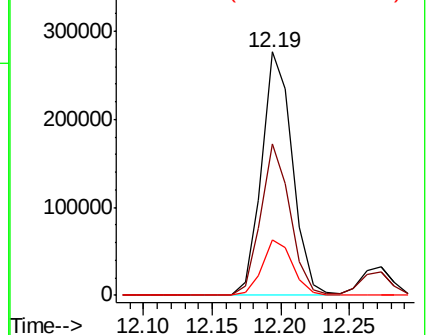
134 22.6 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.456 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VF062185.D

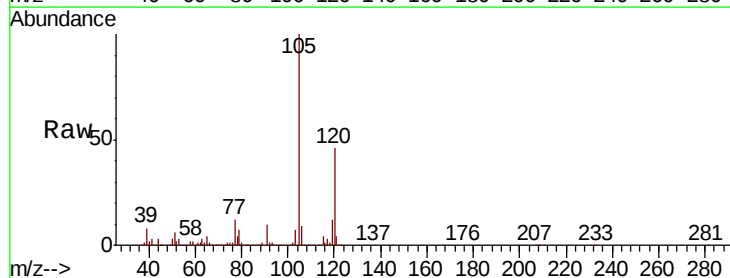
Acq: 16 Apr 2019 19:39

Tgt Ion:105 Resp: 406908

Ion Ratio Lower Upper

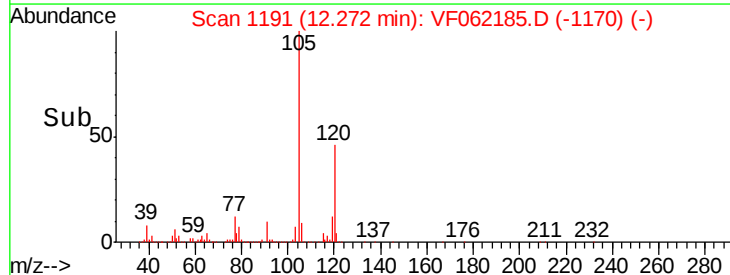
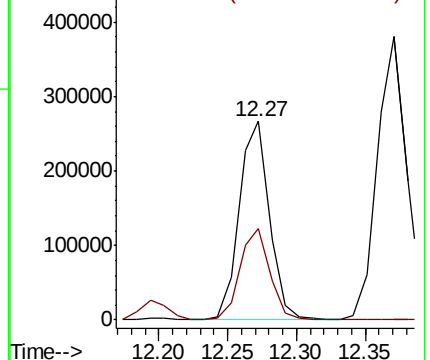
105 100

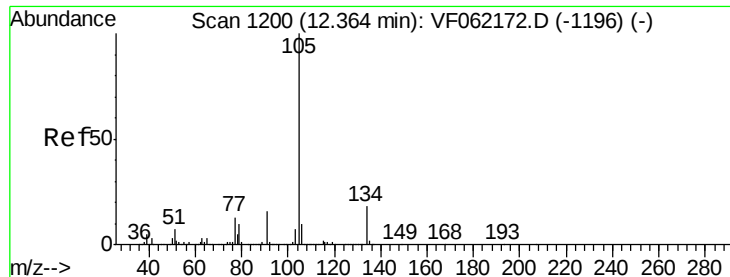
120 46.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.140 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

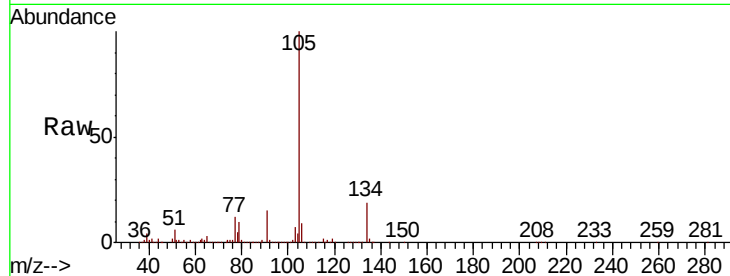
VF0416SBS01

Tot Ion:105 Resp: 564907

Ion Ratio Lower Upper

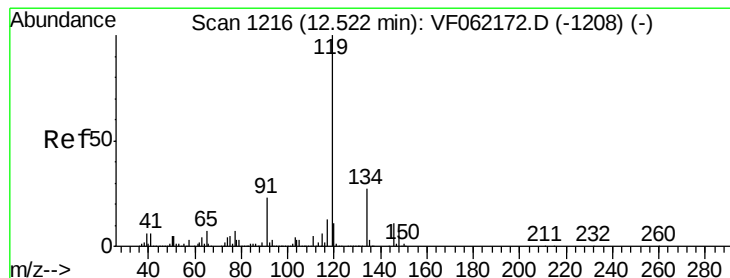
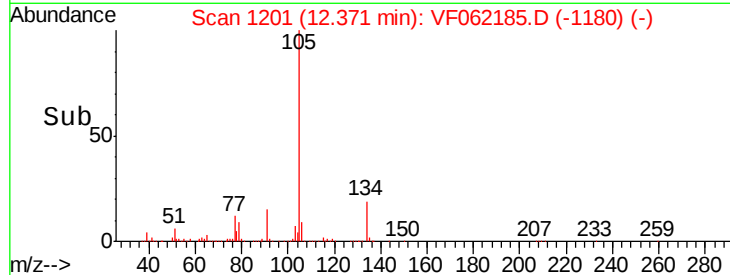
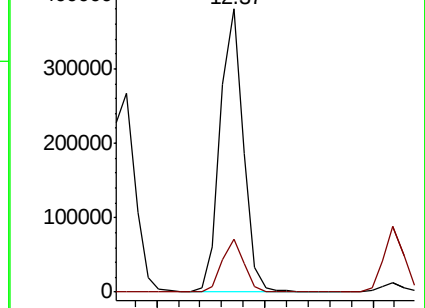
105 100

134 18.8 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: 21.984 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

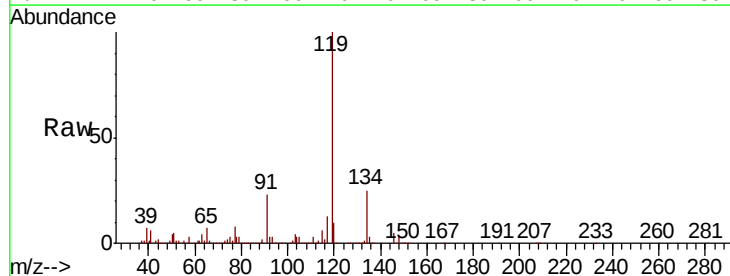
Tgt Ion:119 Resp: 477872

Ion Ratio Lower Upper

119 100

134 25.0 13.5 40.5

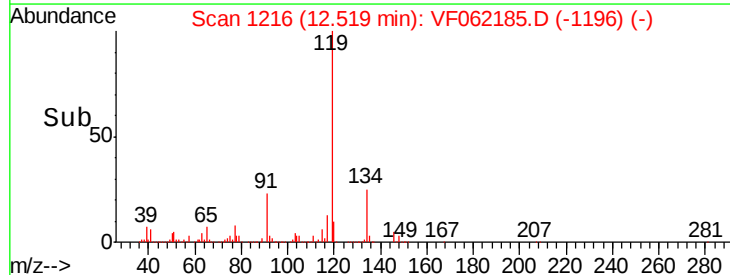
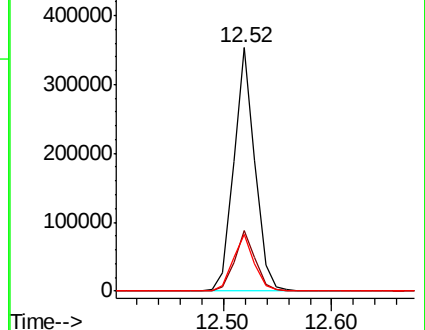
91 23.4 11.5 34.5

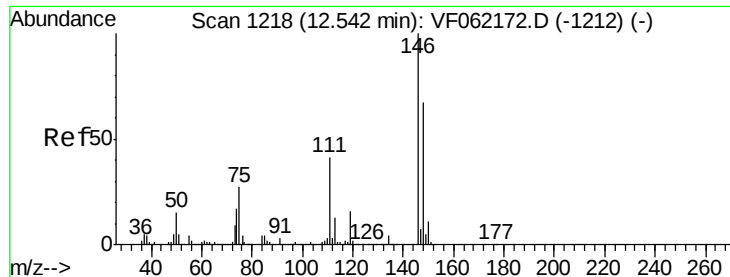


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

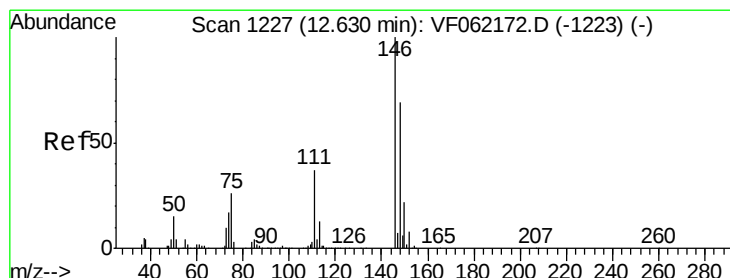
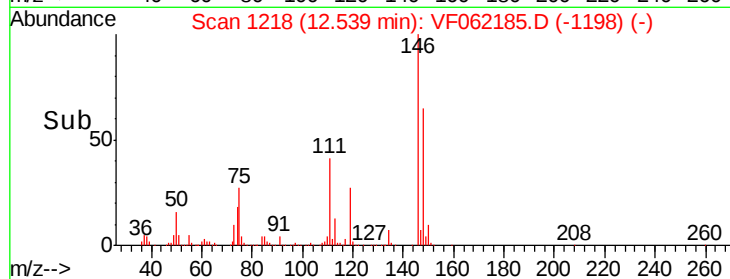
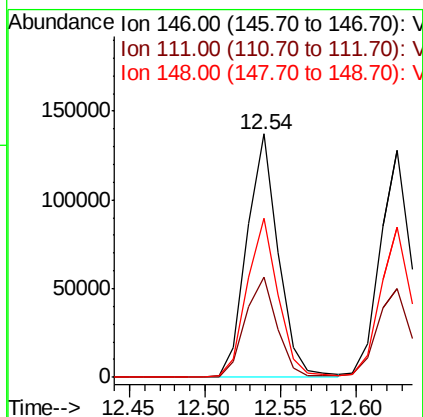
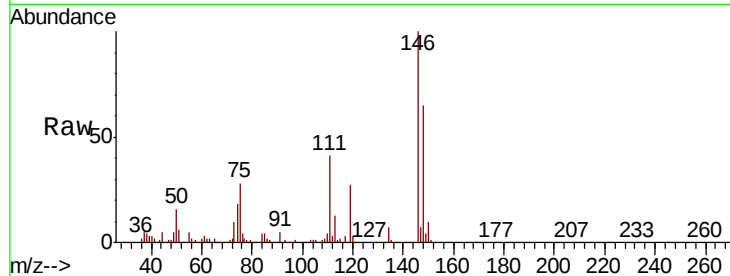




#87
 1,3-Dichlorobenzene
 Concen: 22.296 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062185.D
 Acq: 16 Apr 2019 19:39

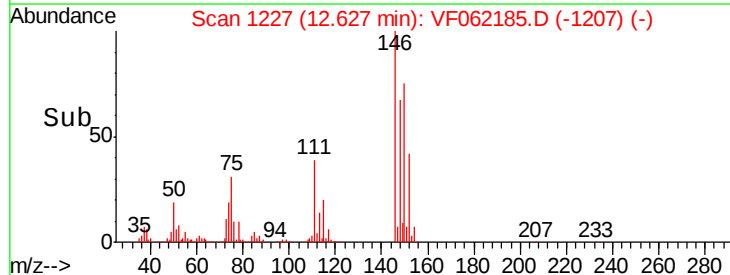
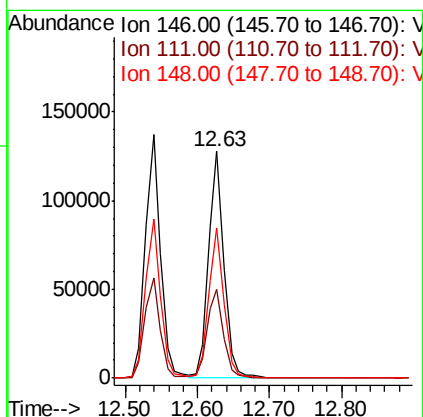
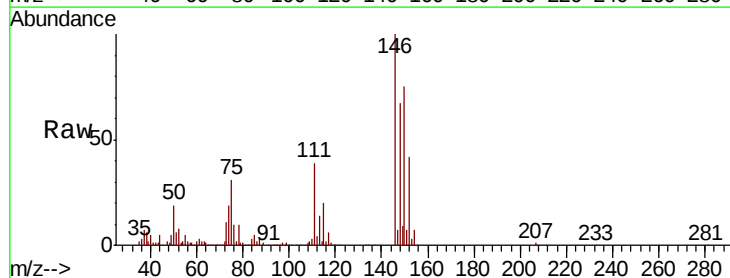
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

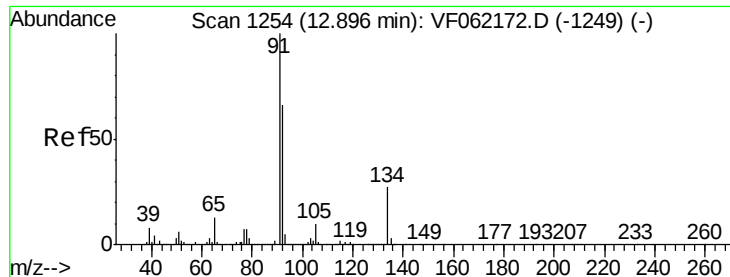
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.6
148	65.3	33.6	100.8



#88
 1,4-Dichlorobenzene
 Concen: 21.771 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062185.D
 Acq: 16 Apr 2019 19:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.6	55.6
148	66.5	34.3	102.8





#89

n-Butylbenzene

Concen: 20.982 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

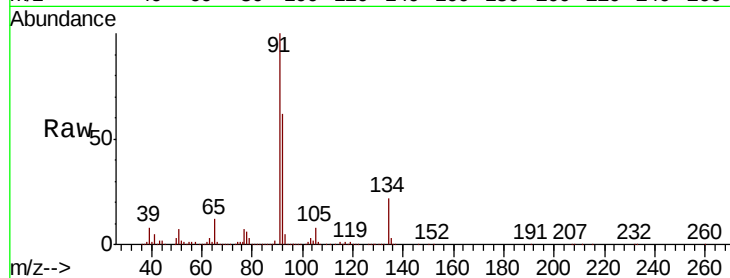
Tot Ion: 91 Resp: 482493

Ion	Ratio	Lower	Upper
91	100		
92	61.8	32.9	98.6
134	22.1	13.4	40.2

91 100

92 61.8 32.9 98.6

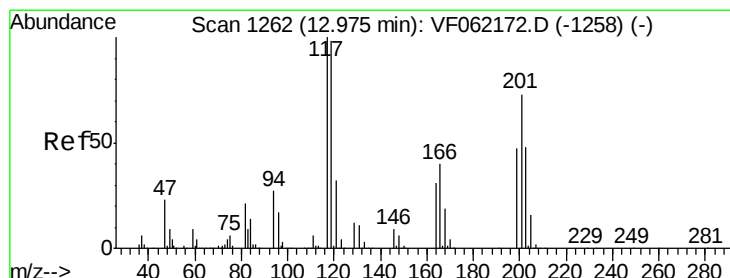
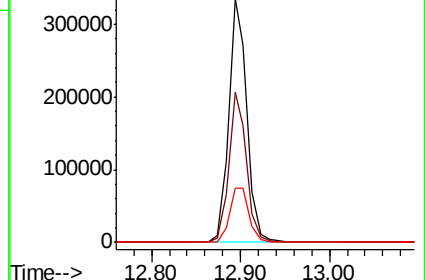
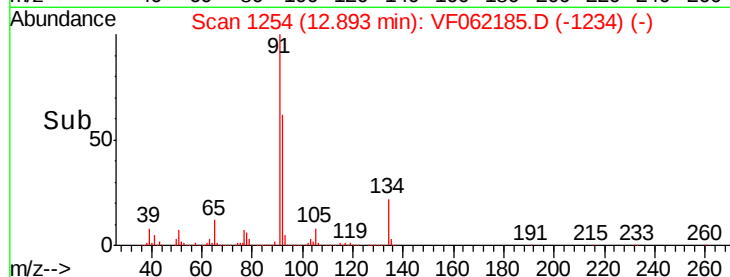
134 22.1 13.4 40.2



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: 21.859 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VF062185.D

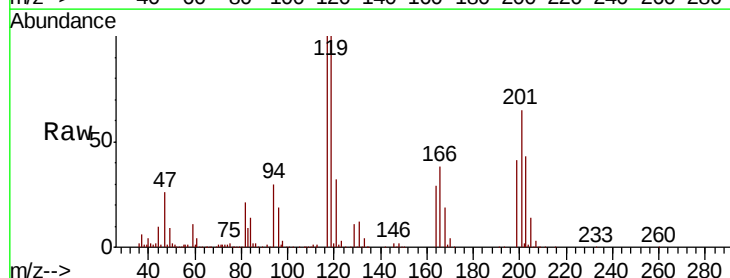
Acq: 16 Apr 2019 19:39

Tgt Ion: 117 Resp: 116388

Ion	Ratio	Lower	Upper
117	100		
201	65.1	36.7	110.1

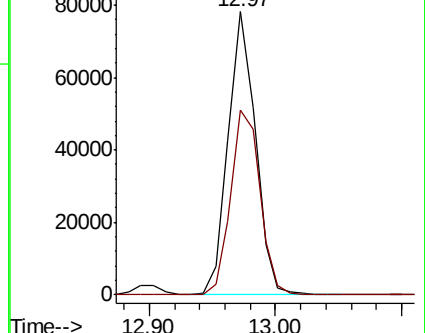
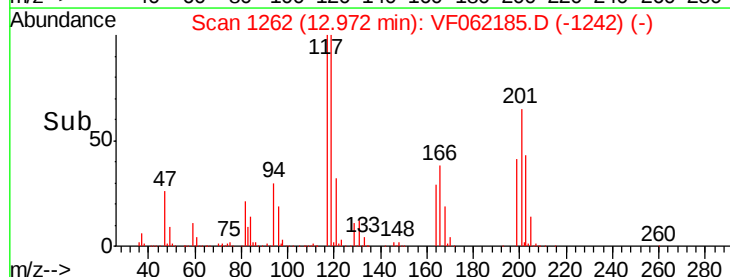
117 100

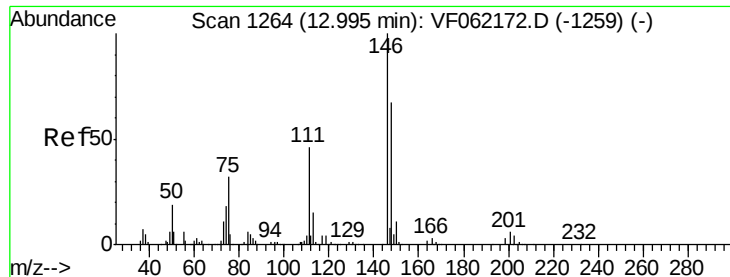
201 65.1 36.7 110.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 21.791 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

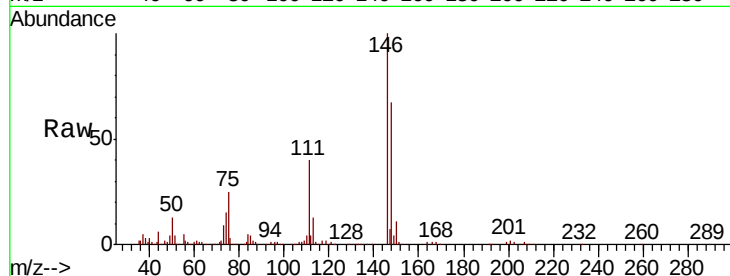
Tot Ion:146 Resp: 186431

Ion Ratio Lower Upper

146 100

111 40.2 22.9 68.8

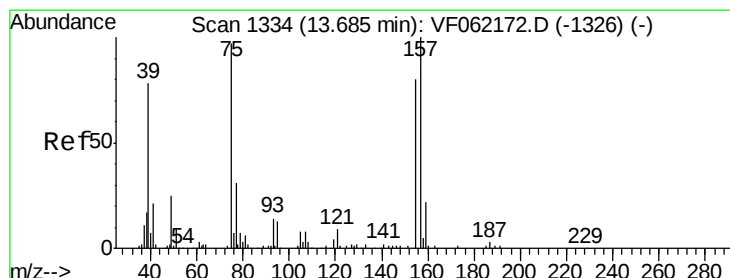
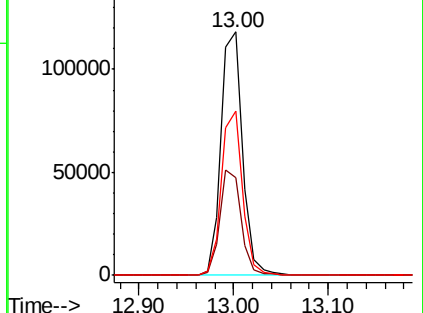
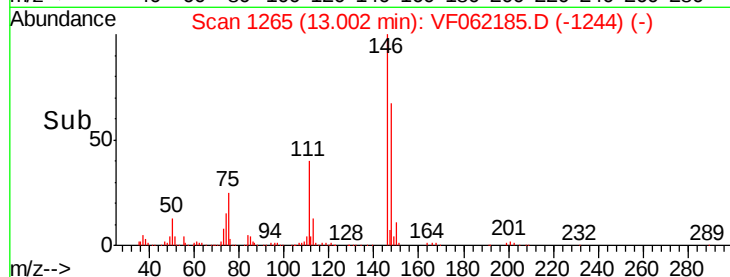
148 67.3 33.6 100.6



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: 21.685 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VF062185.D

Acq: 16 Apr 2019 19:39

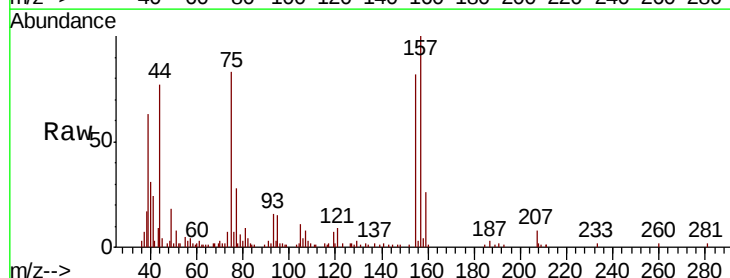
Tgt Ion: 75 Resp: 16301

Ion Ratio Lower Upper

75 100

155 98.5 41.0 123.0

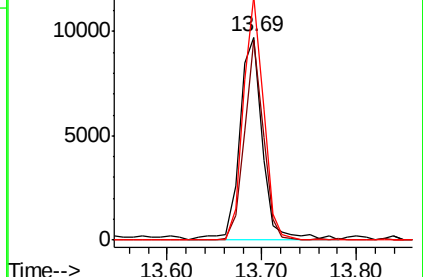
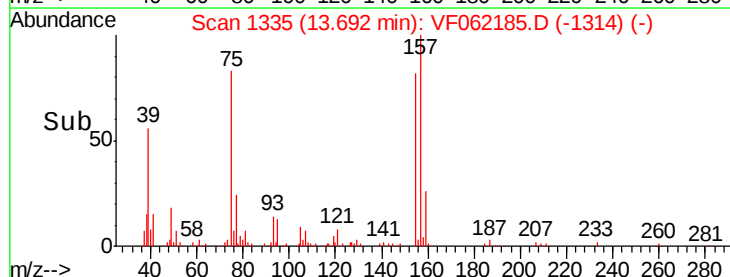
157 120.0 51.3 154.0

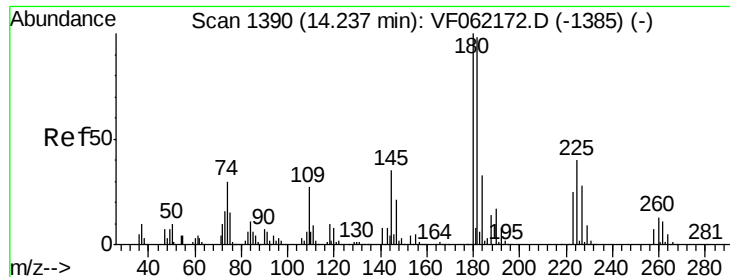


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

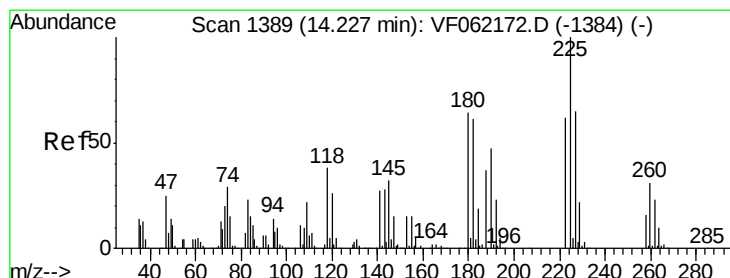
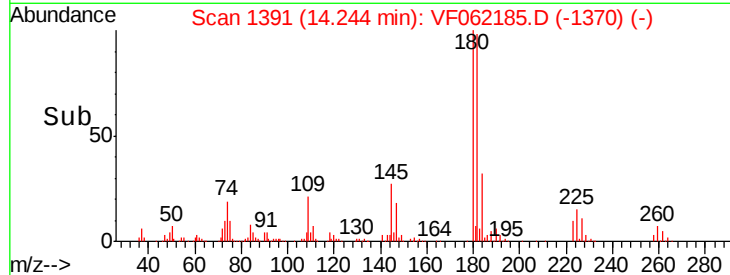
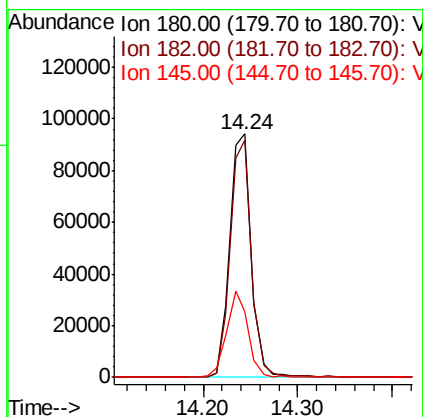
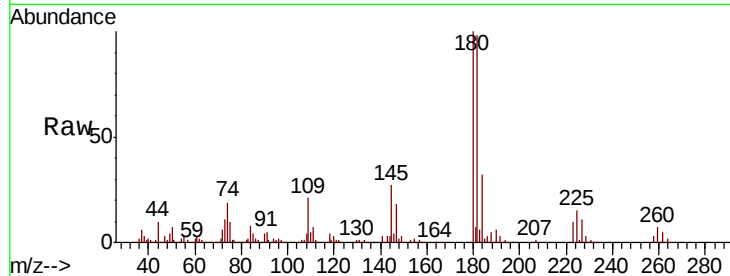




#93
 1,2,4-Trichlorobenzene
 Concen: 23.128 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062185.D
 Acq: 16 Apr 2019 19:39

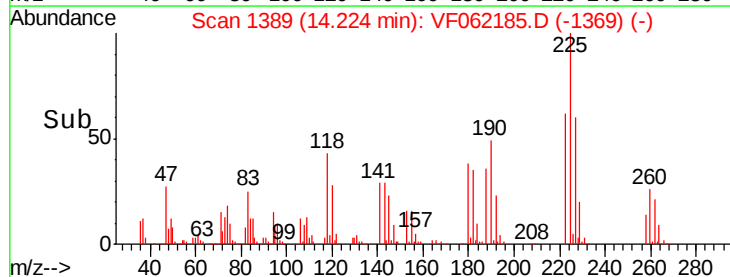
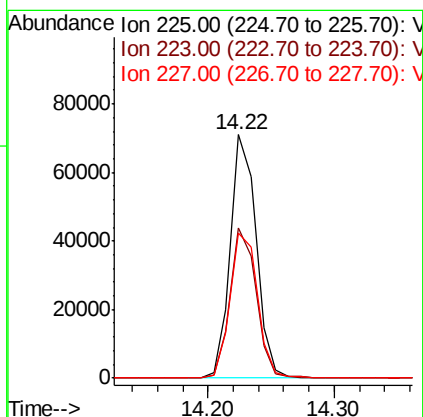
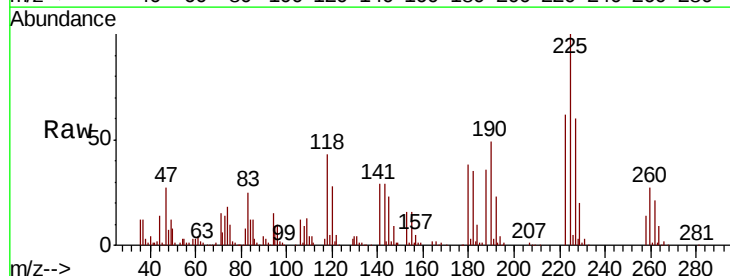
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

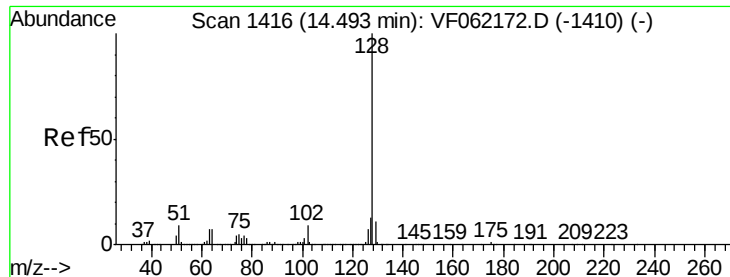
Tot Ion:180 Resp: 148610
 Ion Ratio Lower Upper
 180 100
 182 97.7 48.8 146.4
 145 26.9 17.3 52.0



#94
 Hexachlorobutadiene
 Concen: 24.010 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062185.D
 Acq: 16 Apr 2019 19:39

Tgt Ion:225 Resp: 100542
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.9 92.7
 227 59.7 32.3 96.9

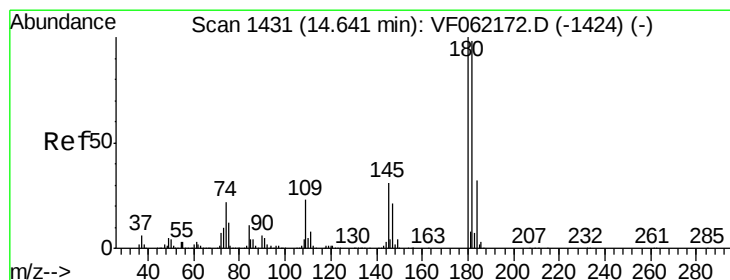
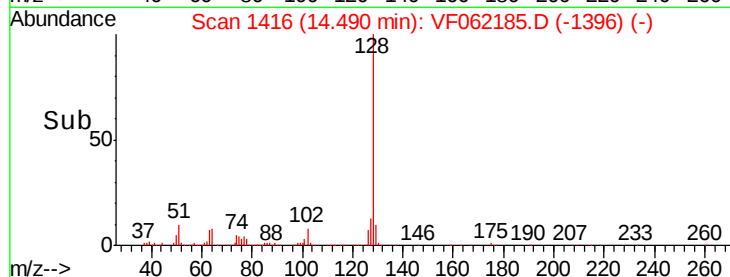
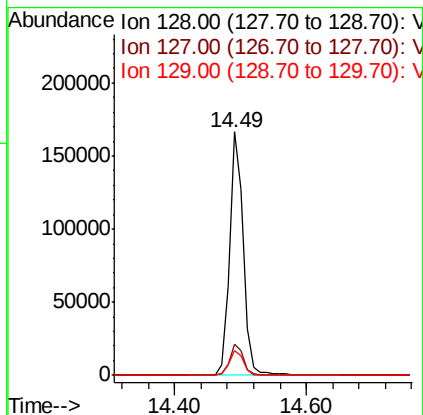
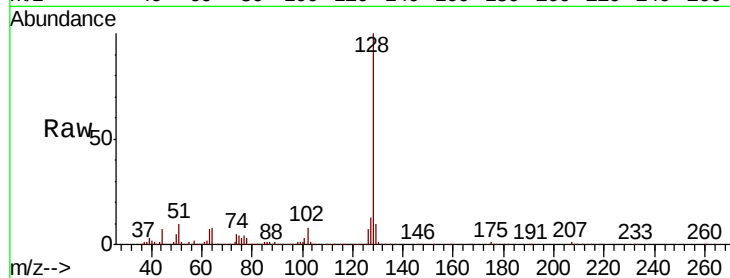




#95
Naphthalene
Concen: 21.580 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion:128 Resp: 242254
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.4 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 22.864 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VF062185.D
Acq: 16 Apr 2019 19:39

Tgt Ion:180 Resp: 136876
Ion Ratio Lower Upper
180 100
182 98.8 49.0 147.2
145 33.4 15.4 46.2

