

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042519\
 Data File : VF062290.D
 Acq On : 25 Apr 2019 14:22
 Operator : FY/SY
 Sample : VF0425SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

Quant Time: Apr 26 01:22:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	435300	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	600643	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	437532	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	252794	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	191111	54.20	ug/l	0.00
Spiked Amount						
			Recovery	=	108.40%	
35) Dibromofluoromethane	4.31	113	232148	52.13	ug/l	-0.01
Spiked Amount						
			Recovery	=	104.26%	
50) Toluene-d8	7.71	98	522554	48.04	ug/l	-0.01
Spiked Amount						
			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.50	95	212776	47.45	ug/l	-0.01
Spiked Amount						
			Recovery	=	94.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	113903	22.019	ug/l	97
3) Chloromethane	1.16	50	86478	19.844	ug/l	95
4) Vinyl Chloride	1.21	62	81486	19.743	ug/l	95
5) Bromomethane	1.40	94	55244	19.710	ug/l	95
6) Chloroethane	1.44	64	37981	20.992	ug/l	95
7) Trichlorofluoromethane	1.56	101	133256	20.318	ug/l	95
8) Diethyl Ether	1.72	74	23323	19.630	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.92	101	86243	20.954	ug/l	97
10) Methyl Iodide	1.99	142	145052	20.162	ug/l	99
11) Tert butyl alcohol	2.70	59	22841	107.088	ug/l #	94
12) 1,1-Dichloroethene	1.88	96	73558	20.030	ug/l	93
13) Acrolein	2.10	56	21951	114.399	ug/l	92
14) Allyl chloride	2.20	41	79805	19.968	ug/l #	70
15) Acrylonitrile	3.10	53	59253	100.302	ug/l	96
16) Acetone	2.35	43	83696	106.018	ug/l	93
17) Carbon Disulfide	1.92	76	182577	18.890	ug/l	99
18) Methyl Acetate	2.47	43	30938	19.233	ug/l #	92
19) Methyl tert-butyl Ether	2.56	73	144626	20.657	ug/l	96
20) Methylene Chloride	2.36	84	76575m	19.500	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	69050	19.026	ug/l	95
22) Diisopropyl ether	2.94	45	209889	19.508	ug/l	97
23) Vinyl Acetate	3.35	43	468858	98.269	ug/l	99
24) 1,1-Dichloroethane	3.02	63	126240	20.557	ug/l	99
25) 2-Butanone	4.53	43	127744	102.051	ug/l	100
26) 2,2-Dichloropropane	3.78	77	69408	21.764	ug/l	96
27) cis-1,2-Dichloroethene	3.65	96	91841	19.983	ug/l	99
28) Bromochloromethane	3.91	49	54871	21.203	ug/l #	98
29) Tetrahydrofuran	4.27	42	55097	100.172	ug/l	98
30) Chloroform	4.05	83	155638	20.183	ug/l	96
31) Cyclohexane	3.89	56	117891	20.175	ug/l	92
32) 1,1,1-Trichloroethane	4.29	97	124183	20.511	ug/l	96
36) 1,1-Dichloropropene	4.48	75	111732	20.163	ug/l	98
37) Ethyl Acetate	4.31	43	46281	19.852	ug/l	93
38) Carbon Tetrachloride	4.18	117	117511	20.860	ug/l	95

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 Misc : 5.00g/5mL/MSVOA F/SOIL
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Instrument :
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 ClientSampleId :
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Quant Time: Apr 26 01:22:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	129827	20.070	ug/l	97
40) Benzene	4.82	78	276031	20.617	ug/l	99
41) Methacrylonitrile	4.93	41	27257	21.046	ug/l	91
42) 1,2-Dichloroethane	5.13	62	90942	21.441	ug/l	100
43) Isopropyl Acetate	7.12	43	46958	19.528	ug/l #	99
44) Trichloroethene	5.68	130	93495	20.640	ug/l	99
45) 1,2-Dichloropropane	6.41	63	60949	20.191	ug/l	100
46) Dibromomethane	6.26	93	46958	21.544	ug/l	97
47) Bromodichloromethane	6.56	83	110653	21.594	ug/l	99
48) Methyl methacrylate	6.88	41	32390	18.964	ug/l	96
49) 1,4-Dioxane	6.88	88	7601	386.477	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	172595	93.962	ug/l	100
52) Toluene	7.78	92	145760	18.867	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	76975	20.429	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	96979	20.091	ug/l	94
55) 1,1,2-Trichloroethane	8.64	97	41393	18.865	ug/l	95
56) Ethyl methacrylate	8.76	69	41453	17.197	ug/l	96
57) 1,3-Dichloropropane	9.00	76	63454	18.393	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	73383	100.047	ug/l	98
59) 2-Hexanone	9.62	43	109818	88.792	ug/l	96
60) Dibromochloromethane	8.86	129	67439	18.938	ug/l	98
61) 1,2-Dibromoethane	9.13	107	52320	20.603	ug/l	92
64) Tetrachloroethene	8.30	164	77147	21.081	ug/l	97
65) Chlorobenzene	9.93	112	160751	20.105	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	82882	22.008	ug/l	99
67) Ethyl Benzene	10.03	91	282764	20.343	ug/l	96
68) m/p-Xylenes	10.26	106	206915	39.983	ug/l	94
69) o-Xylene	10.82	106	118648	20.521	ug/l	100
70) Styrene	10.90	104	164457	19.676	ug/l	100
71) Bromoform	10.88	173	41651	19.648	ug/l #	97
73) Isopropylbenzene	11.21	105	354728	20.481	ug/l	98
74) N-amyl acetate	11.45	43	66970	16.781	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	52376	19.034	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	38661	19.802	ug/l #	100
77) Bromobenzene	11.59	156	85513	19.750	ug/l	96
78) n-propylbenzene	11.67	91	368312	20.210	ug/l	98
79) 2-Chlorotoluene	11.80	91	228380	20.805	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	311096	21.276	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	17460m	20.007	ug/l	
82) 4-Chlorotoluene	11.97	91	220582	20.307	ug/l	100
83) tert-Butylbenzene	12.20	119	317808	21.179	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	295011	20.832	ug/l	97
85) sec-Butylbenzene	12.37	105	406162	21.732	ug/l	98
86) p-Isopropyltoluene	12.52	119	355874	21.238	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	155855	20.346	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	145833	20.079	ug/l	100
89) n-Butylbenzene	12.90	91	323053	21.218	ug/l	96
90) Hexachloroethane	12.97	117	90125	21.457	ug/l	100
91) 1,2-Dichlorobenzene	12.99	146	149818	20.375	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	10295	18.546	ug/l	95

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ClientSampleId :
VF0425SBS01

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Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration

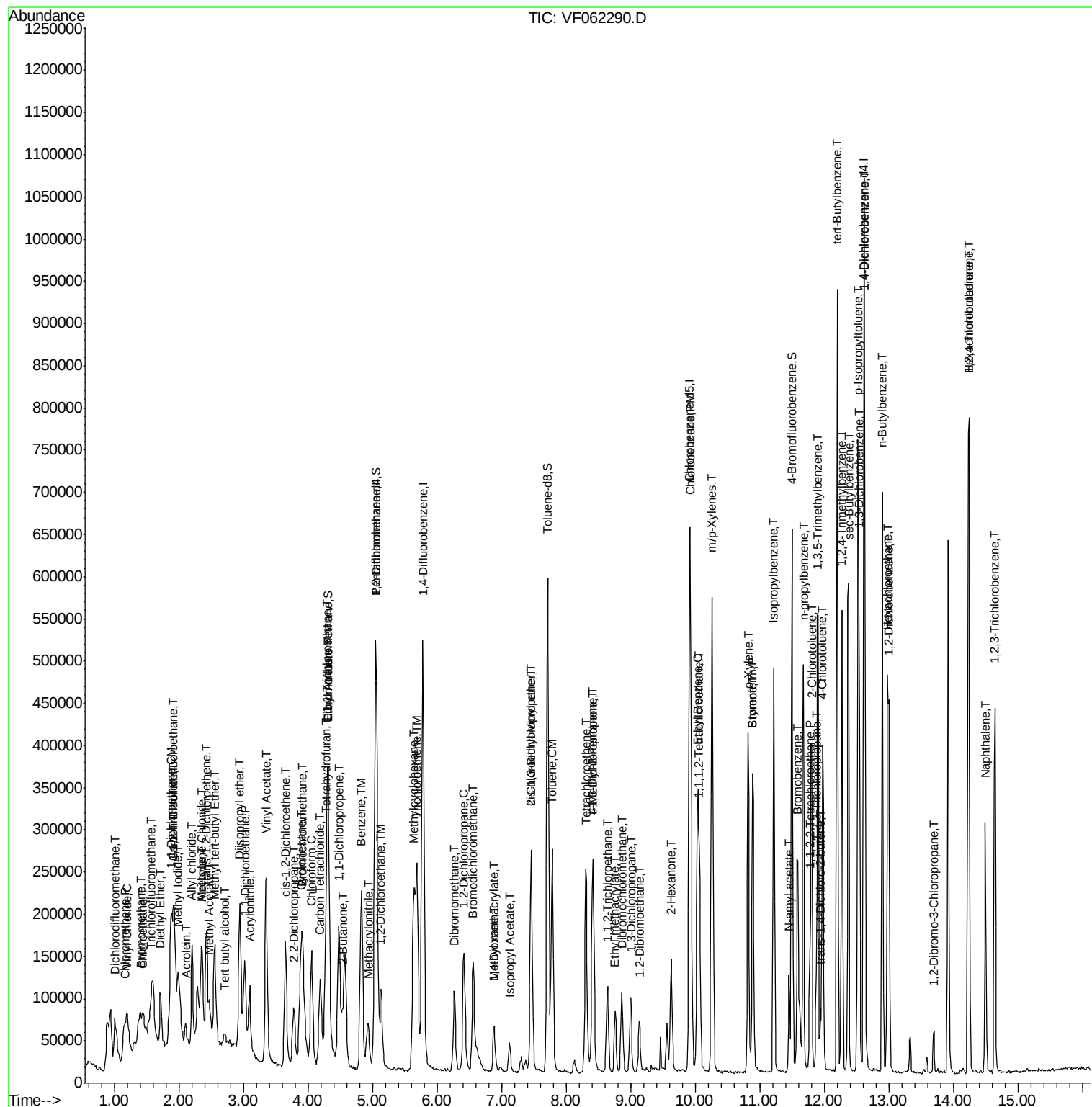
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	138741	21.478	ug/l	99
94) Hexachlorobutadiene	14.23	225	98947	21.299	ug/l	96
95) Naphthalene	14.49	128	194992	19.484	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	129975	21.274	ug/l	99

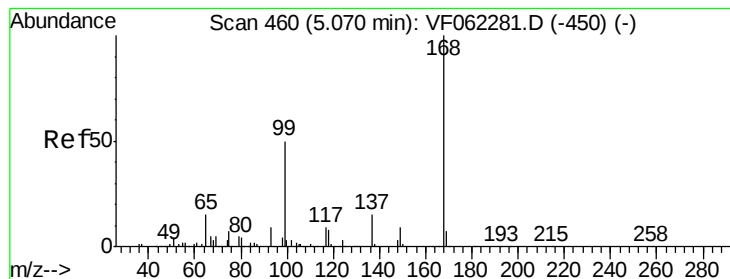
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VF062290.D
 Acq On : 25 Apr 2019 14:22
 Operator : FY/SY
 Sample : VF0425SBS01
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

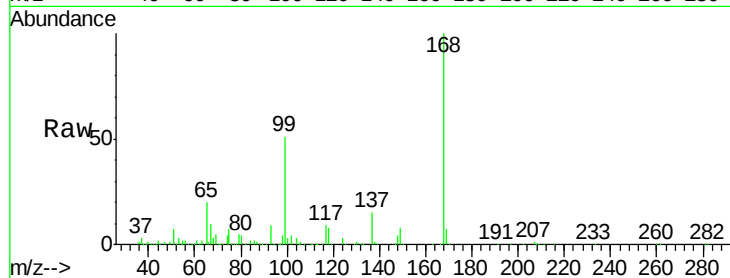
VF0425SBS01

Tot Ion:168 Resp: 435300

Ion Ratio Lower Upper

168 100

99 51.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

150000

100000

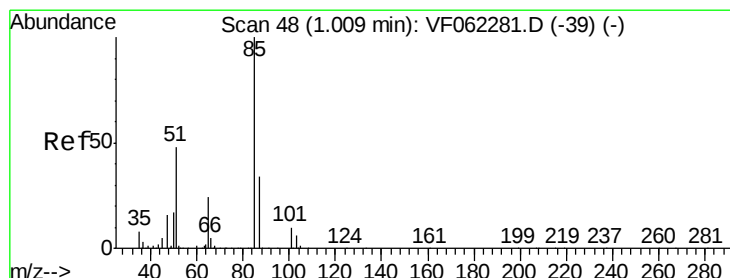
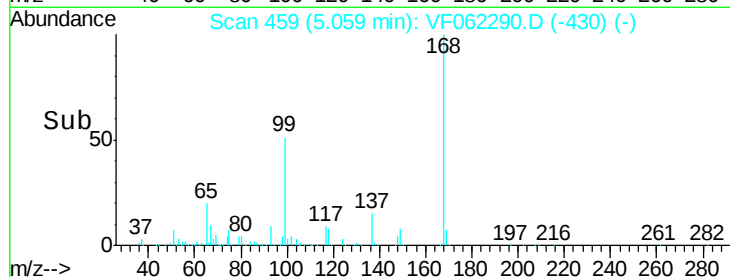
50000

0

Time-->

5.00

5.20



#2

Dichlorodifluoromethane

Concen: 22.019 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062290.D

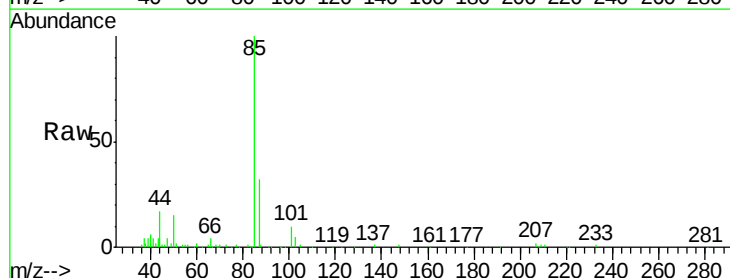
Acq: 25 Apr 2019 14:22

Tgt Ion: 85 Resp: 113903

Ion Ratio Lower Upper

85 100

87 32.5 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

30000

20000

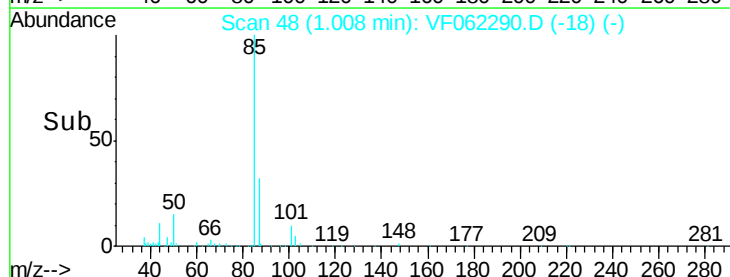
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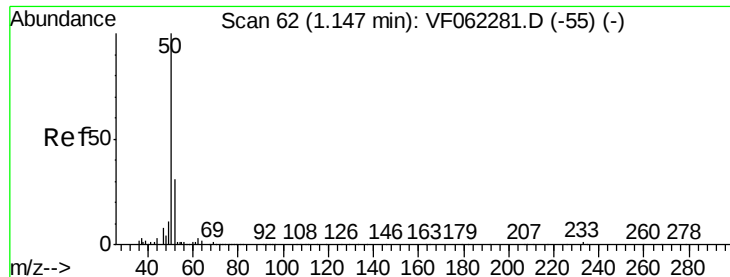
0

Time-->

1.00

1.20





#3

Chloromethane

Concen: 19.844 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

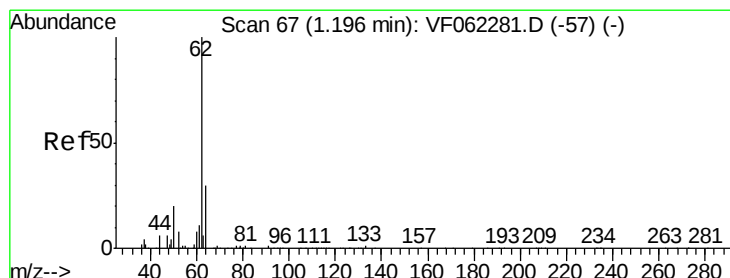
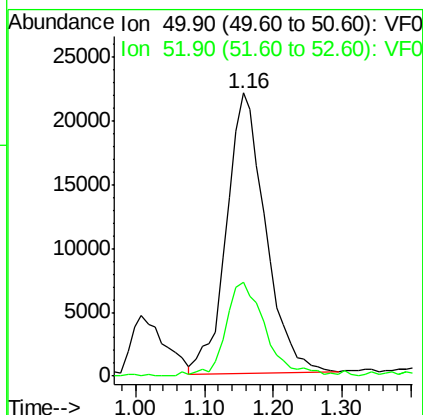
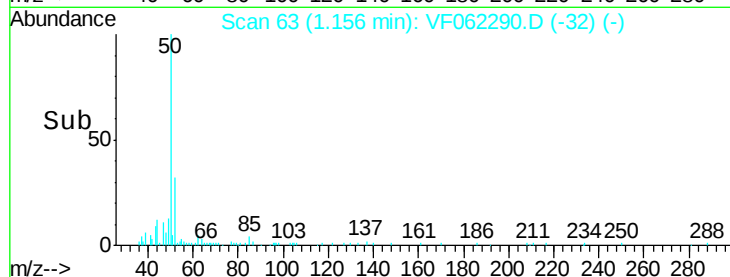
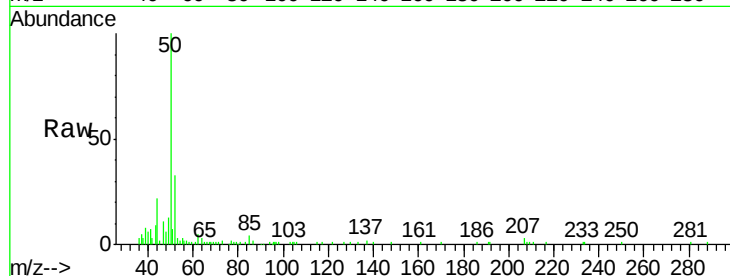
VF0425SBS01

Tot Ion: 50 Resp: 86478

Ion Ratio Lower Upper

50 100

52 33.3 24.2 36.4



#4

Vinyl Chloride

Concen: 19.743 ug/l

RT: 1.21 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062290.D

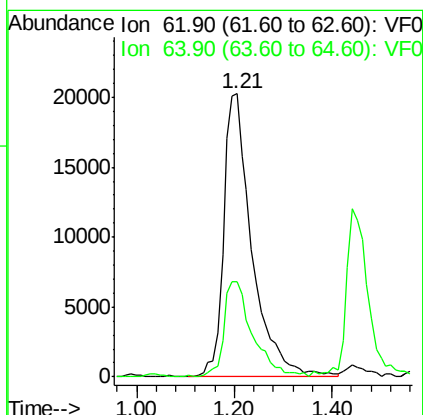
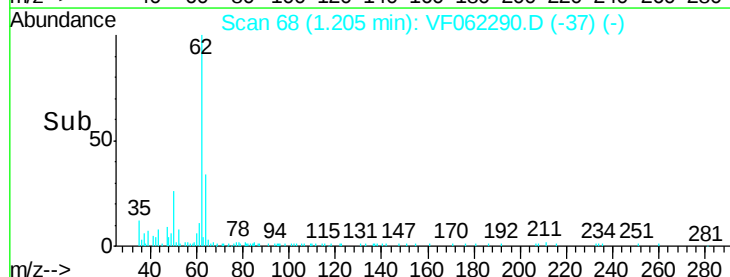
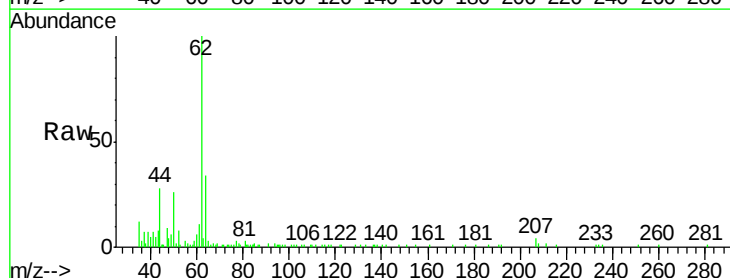
Acq: 25 Apr 2019 14:22

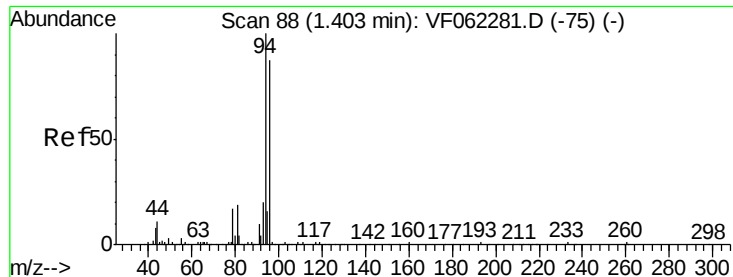
Tgt Ion: 62 Resp: 81486

Ion Ratio Lower Upper

62 100

64 33.2 24.3 36.5





#5

Bromomethane

Concen: 19.710 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

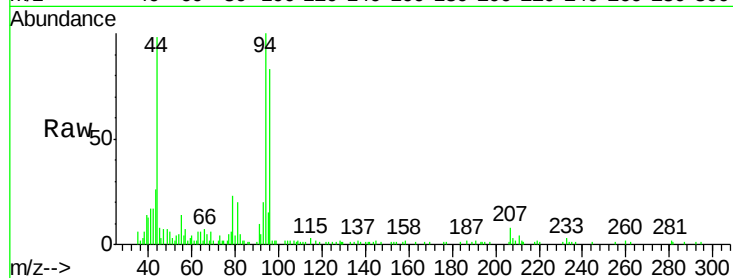
VF0425SBS01

Tot Ion: 94 Resp: 55244

Ion Ratio Lower Upper

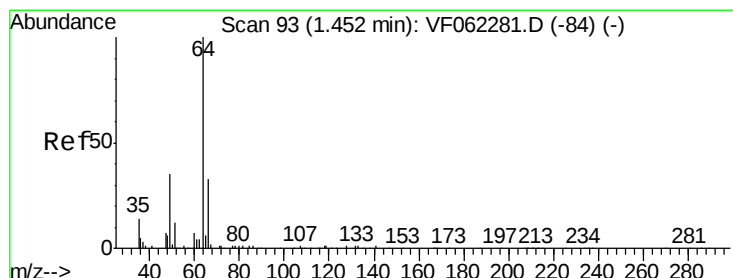
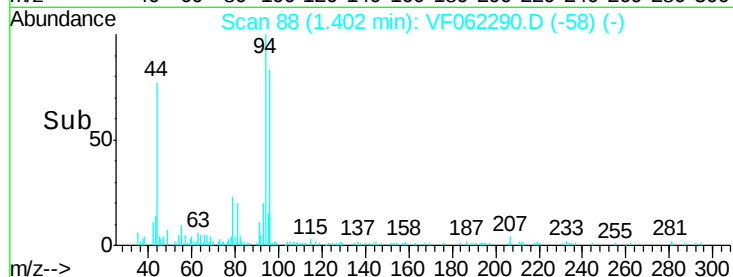
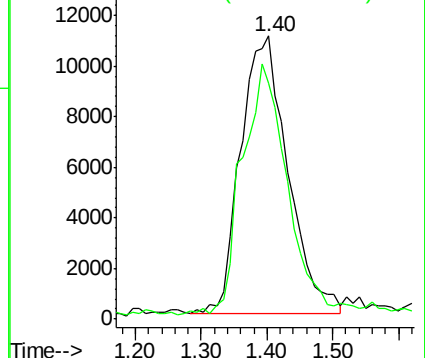
94 100

96 81.8 69.5 104.3



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 20.992 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062290.D

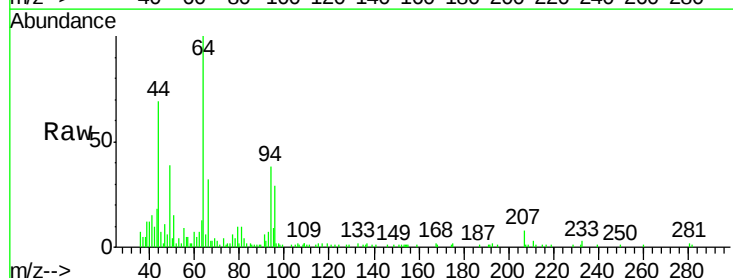
Acq: 25 Apr 2019 14:22

Tgt Ion: 64 Resp: 37981

Ion Ratio Lower Upper

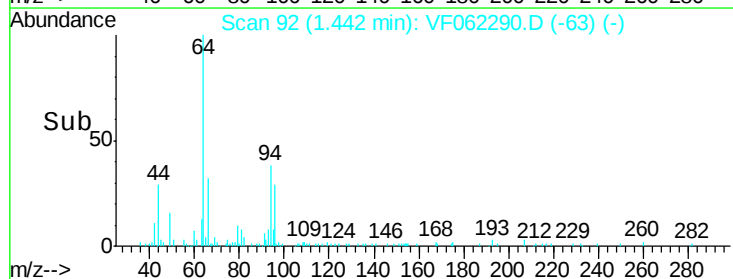
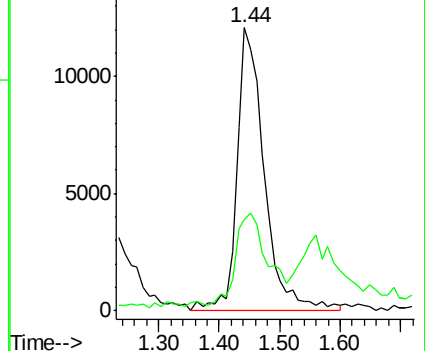
64 100

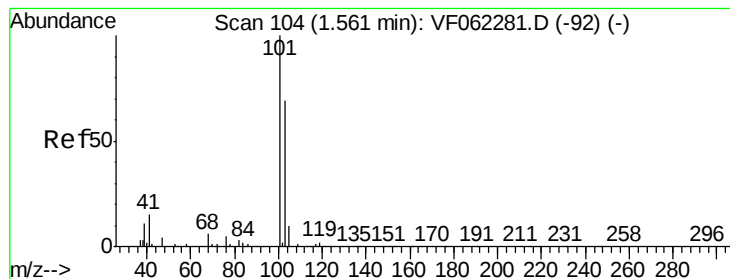
66 29.4 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



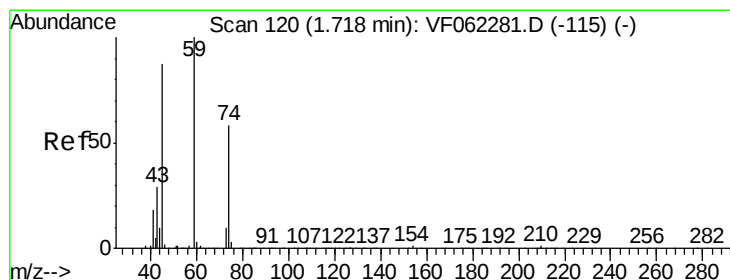
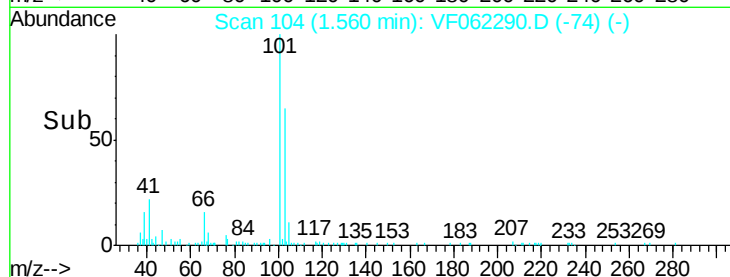
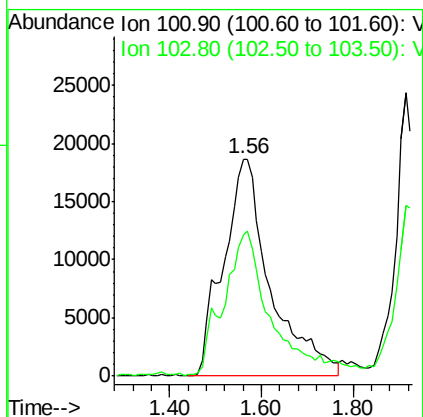
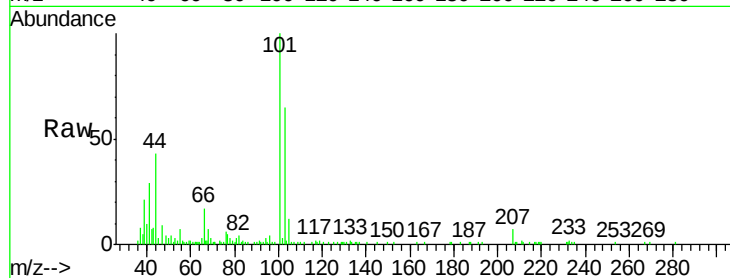


#7

Trichlorofluoromethane
Concen: 20.318 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

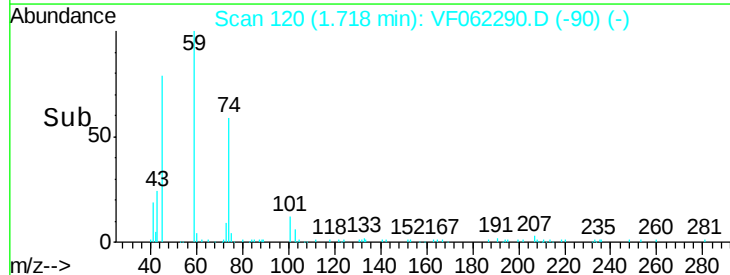
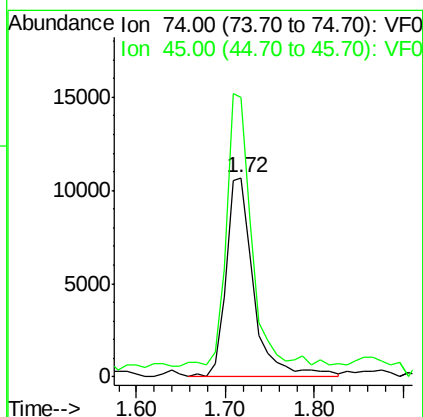
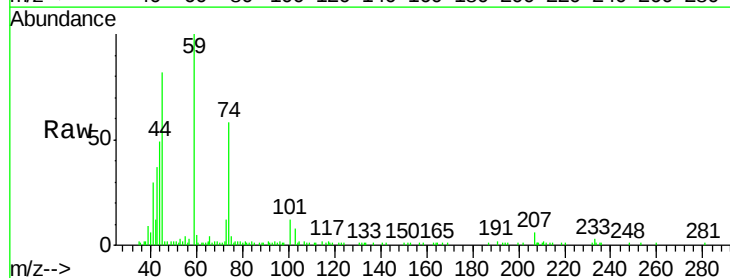
Tot Ion:101 Resp: 133256
Ion Ratio Lower Upper
101 100
103 64.4 55.0 82.6

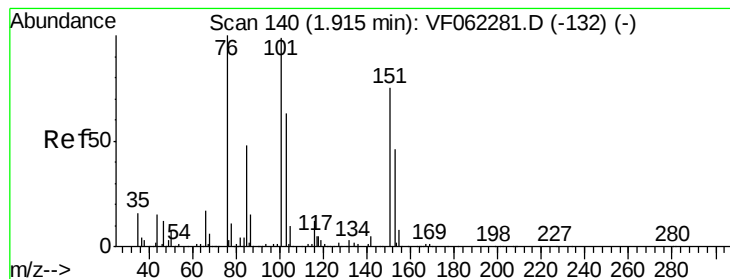


#8

Diethyl Ether
Concen: 19.630 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

Tgt Ion: 74 Resp: 23323
Ion Ratio Lower Upper
74 100
45 124.5 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.954 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

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ClientSampleId :

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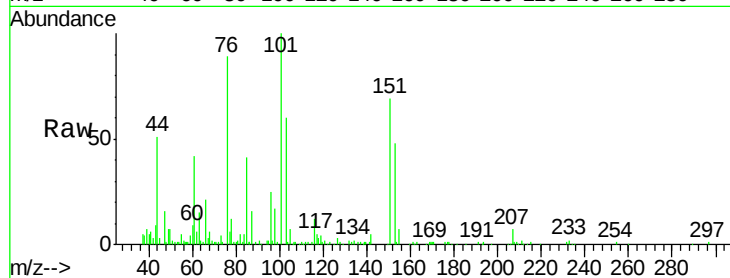
Tot Ion:101 Resp: 86243

Ion Ratio Lower Upper

101 100

85 47.1 36.5 54.7

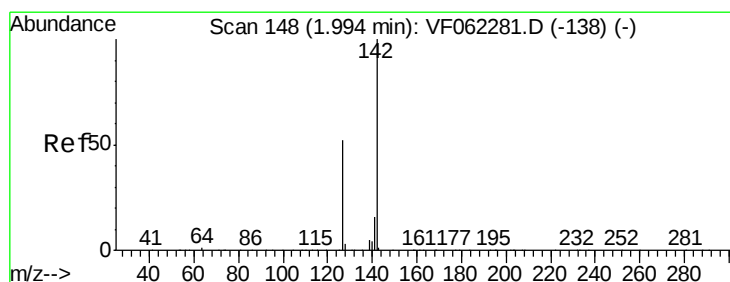
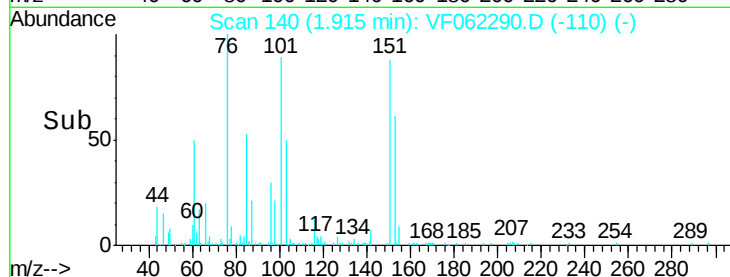
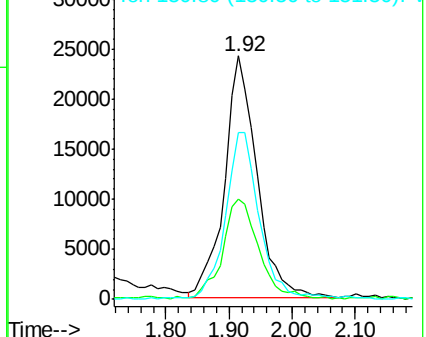
151 70.6 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.162 ug/l

RT: 1.99 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

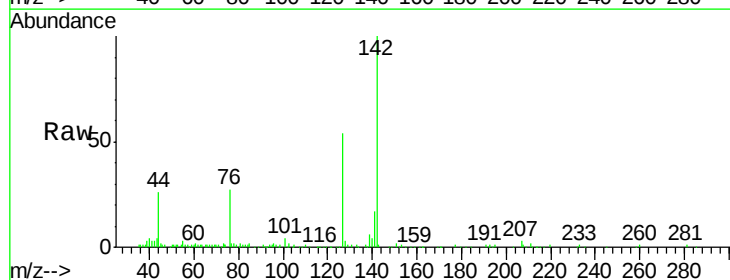
Tgt Ion:142 Resp: 145052

Ion Ratio Lower Upper

142 100

127 54.6 43.0 64.4

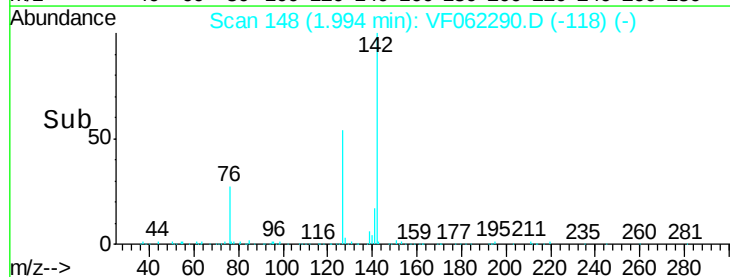
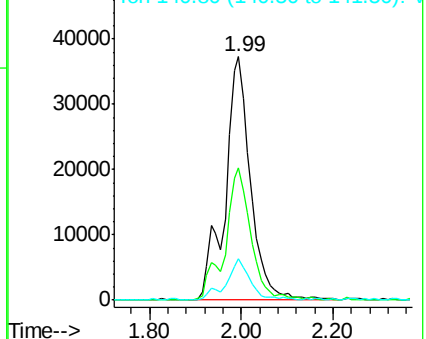
141 16.0 12.3 18.5

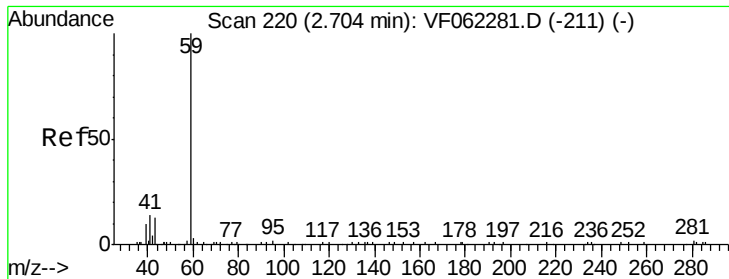


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



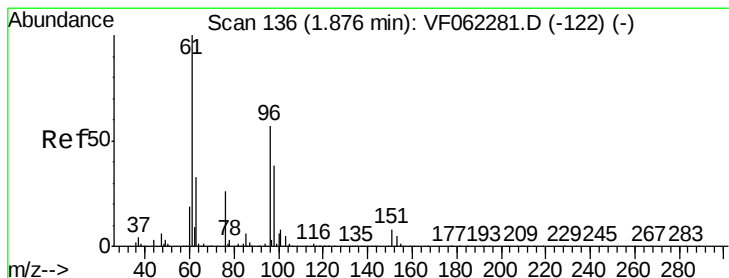
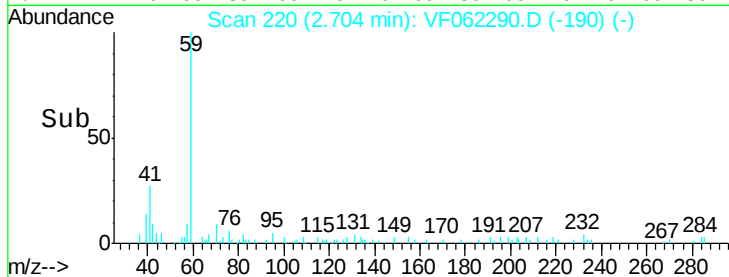
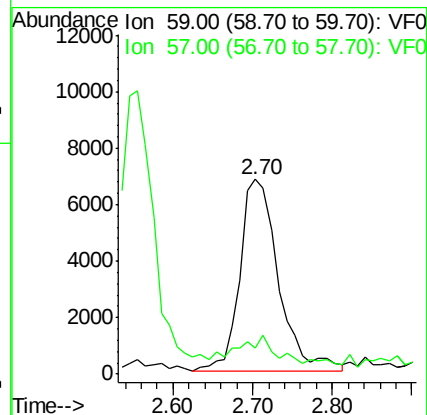
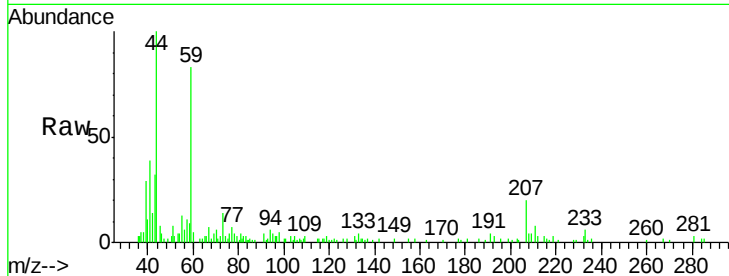


#11

Tert butyl alcohol
Concen: 107.088 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

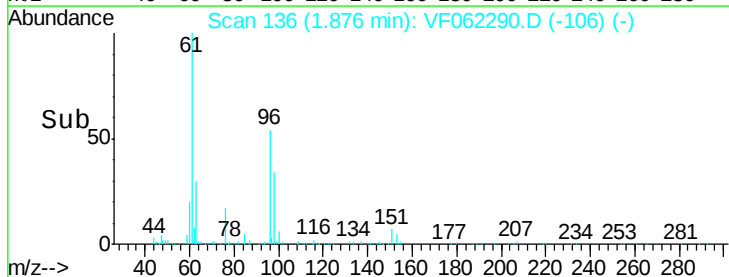
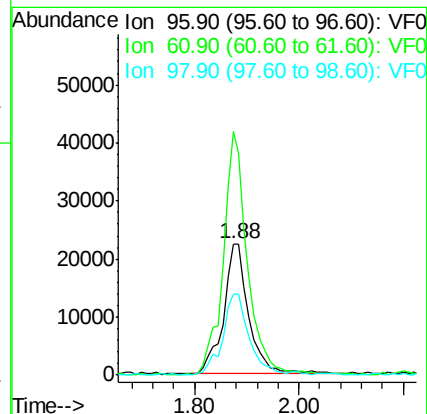
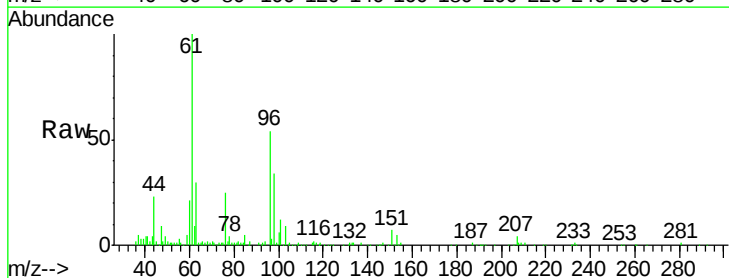
Tot Ion: 59 Resp: 22841
Ion Ratio Lower Upper
59 100
57 13.4 8.8 13.2#

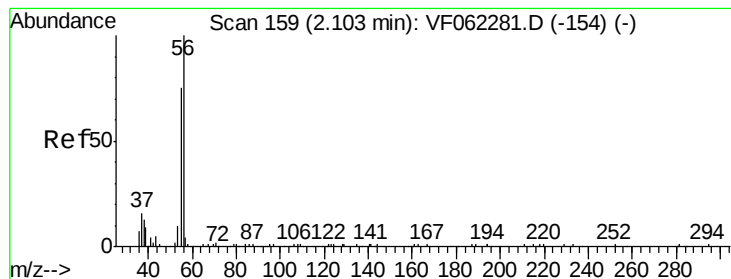


#12

1,1-Dichloroethene
Concen: 20.030 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

Tgt Ion: 96 Resp: 73558
Ion Ratio Lower Upper
96 100
61 187.5 141.1 211.7
98 62.1 53.4 80.0





#13

Acrolein

Concen: 114.399 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

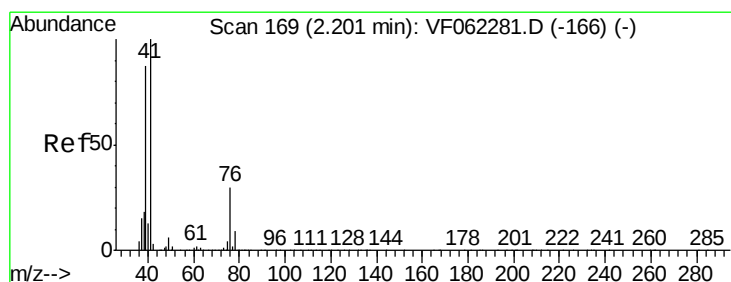
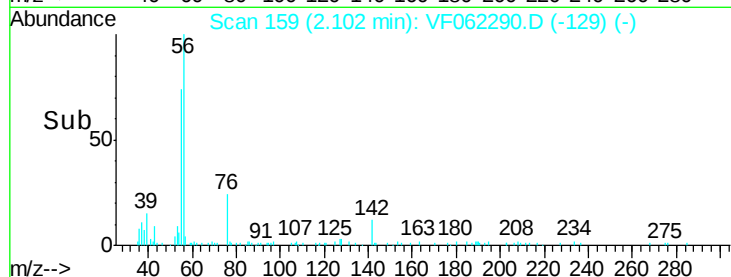
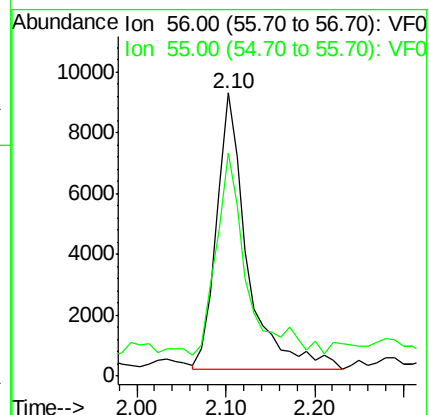
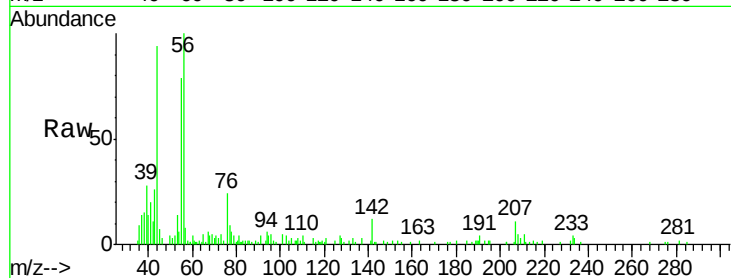
VF0425SBS01

Tot Ion: 56 Resp: 21951

Ion Ratio Lower Upper

56 100

55 71.3 62.3 93.5



#14

Allyl chloride

Concen: 19.968 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

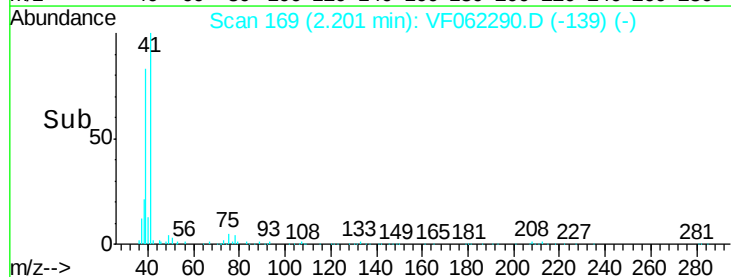
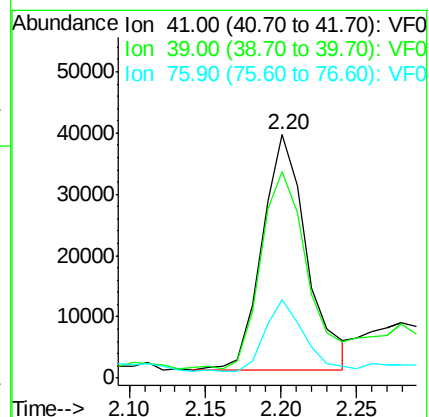
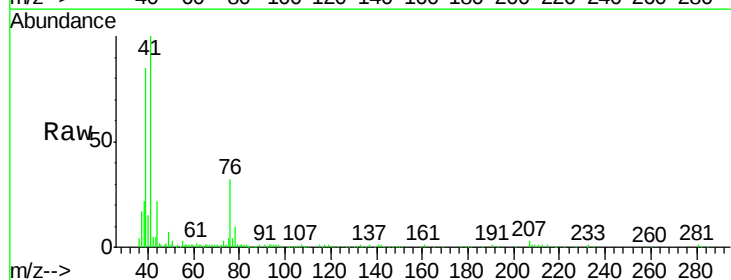
Tgt Ion: 41 Resp: 79805

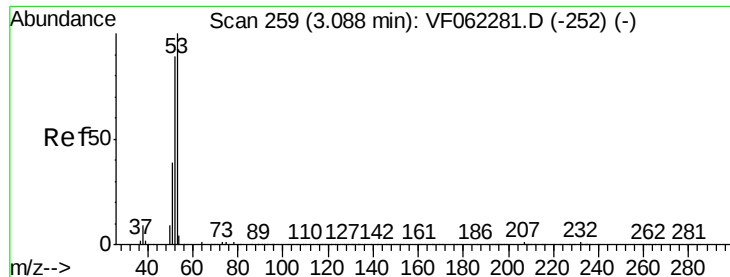
Ion Ratio Lower Upper

41 100

39 89.0 50.3 75.5#

76 27.0 14.8 22.2#





#15

Acrylonitrile

Concen: 100.302 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

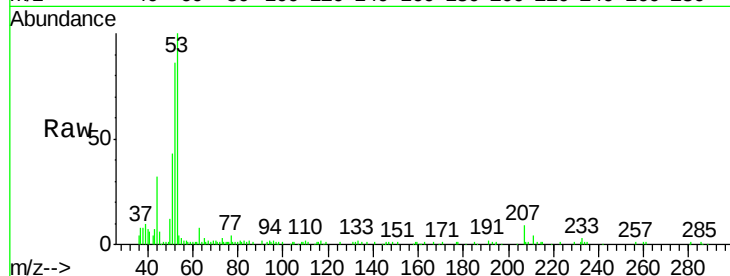
Tot Ion: 53 Resp: 59253

Ion Ratio Lower Upper

53 100

52 89.8 70.6 105.8

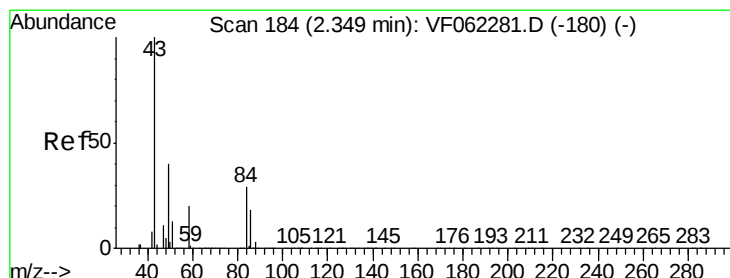
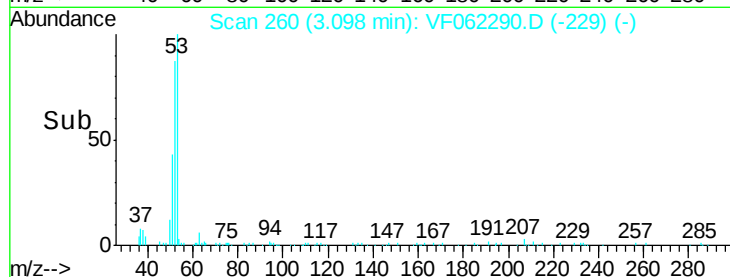
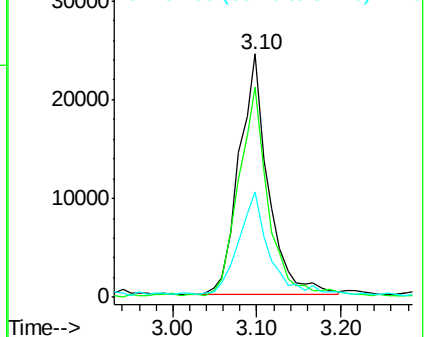
51 45.4 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 106.018 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062290.D

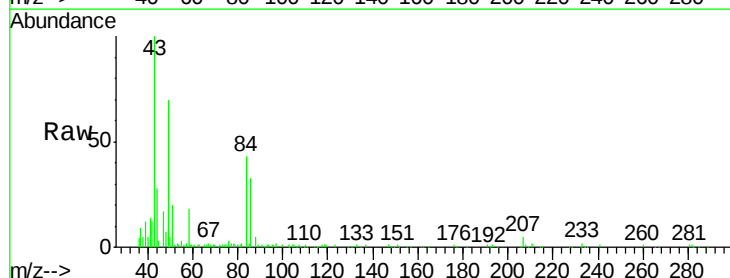
Acq: 25 Apr 2019 14:22

Tgt Ion: 43 Resp: 83696

Ion Ratio Lower Upper

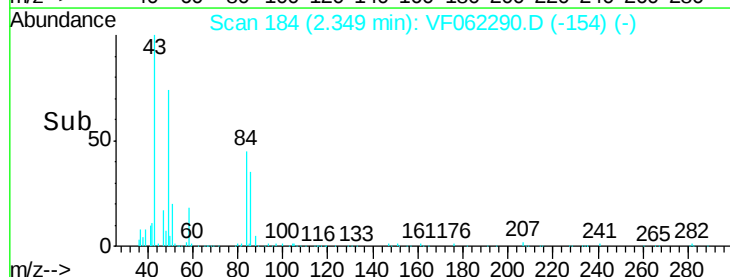
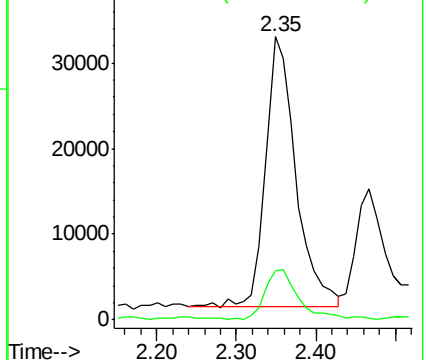
43 100

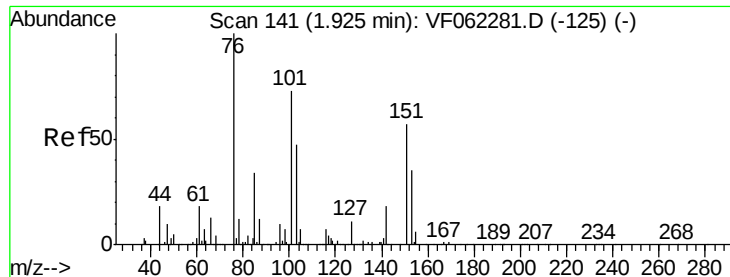
58 17.4 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 18.890 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

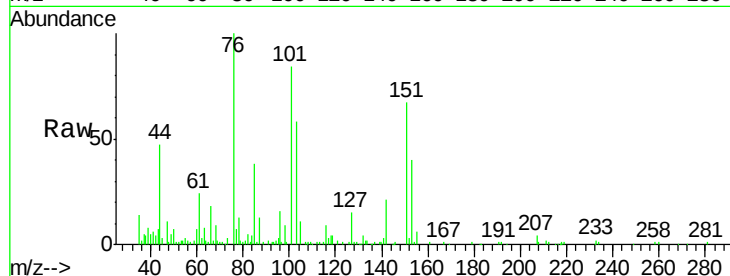
VF0425SBS01

Tot Ion: 76 Resp: 182577

Ion Ratio Lower Upper

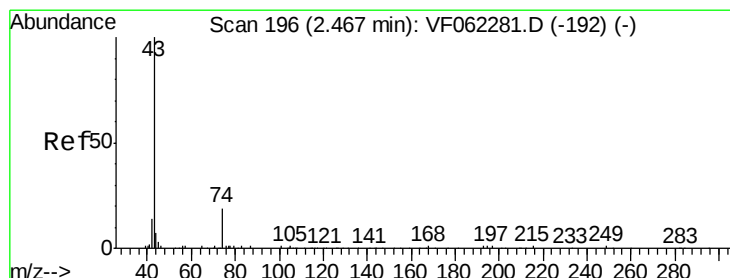
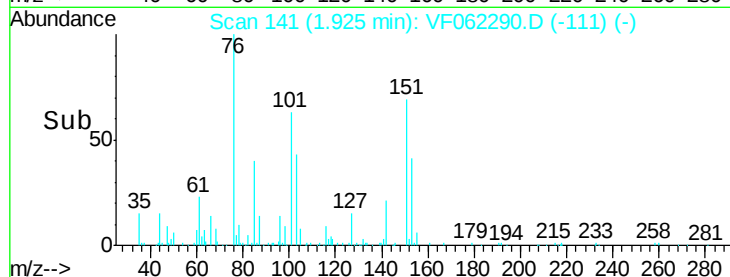
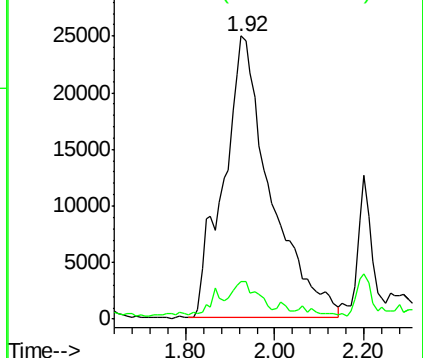
76 100

78 11.9 9.8 14.8



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 19.233 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062290.D

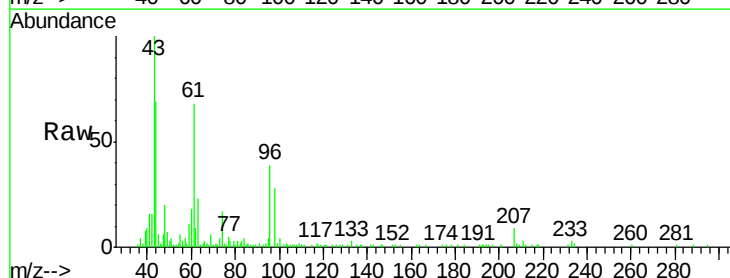
Acq: 25 Apr 2019 14:22

Tgt Ion: 43 Resp: 30938

Ion Ratio Lower Upper

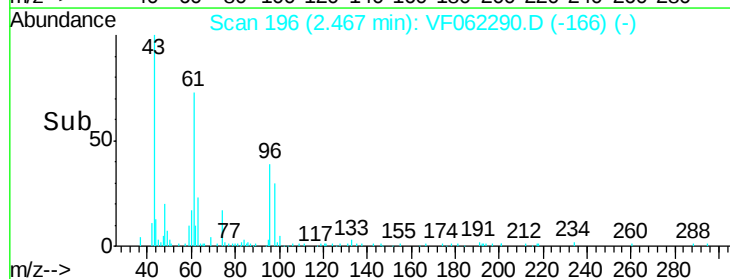
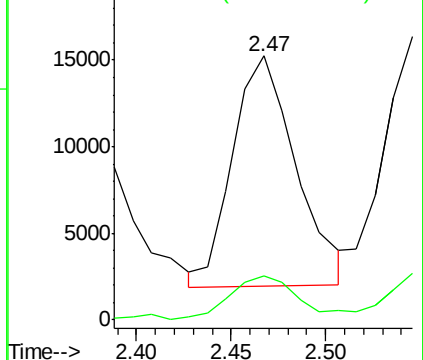
43 100

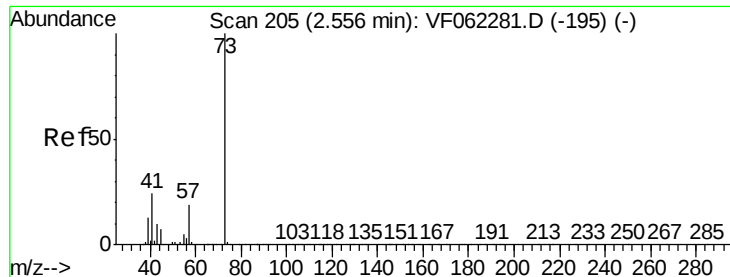
74 21.6 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



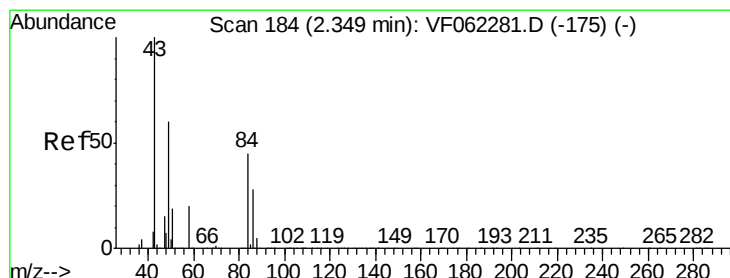
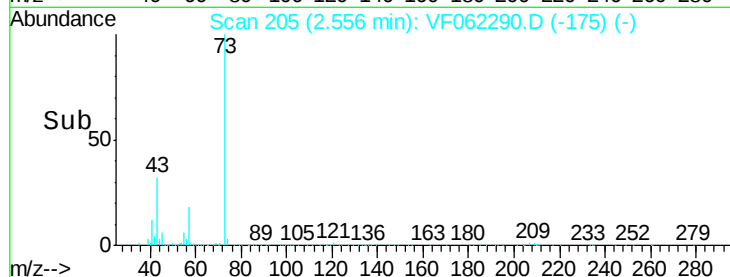
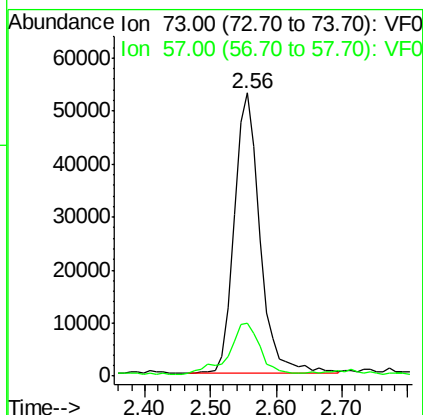
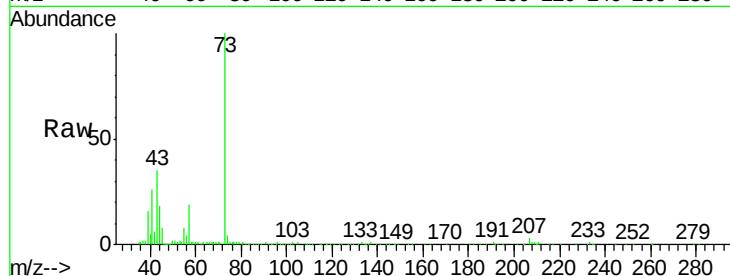


#19

Methyl tert-butyl Ether
 Concen: 20.657 ug/l
 RT: 2.56 min Scan# 205
 Delta R.T. -0.00 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

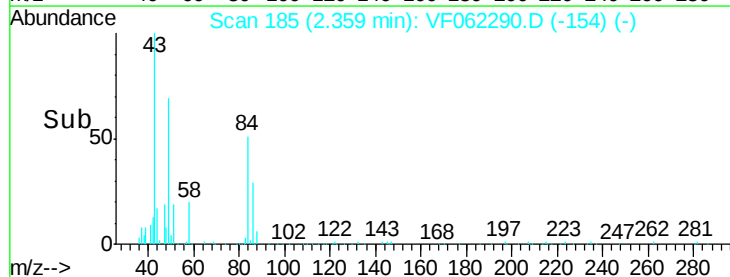
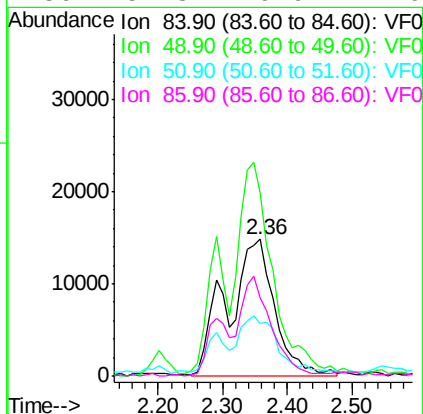
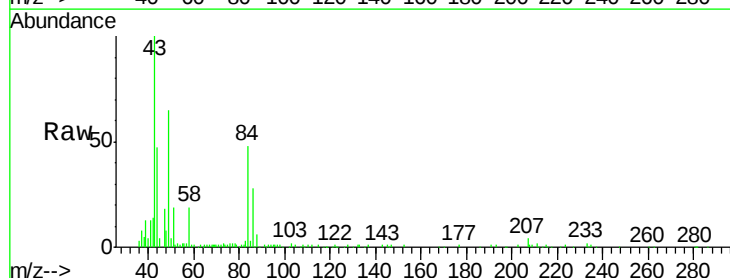
Tot Ion: 73 Resp: 144626
 Ion Ratio Lower Upper
 73 100
 57 17.8 15.5 23.3

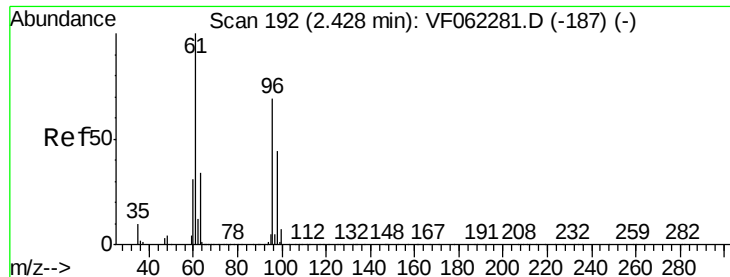


#20

Methylene Chloride
 Concen: 19.500 ug/l m
 RT: 2.36 min Scan# 185
 Delta R.T. 0.01 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

Tgt Ion: 84 Resp: 76575
 Ion Ratio Lower Upper
 84 100
 49 133.8 112.1 168.1
 51 38.6 35.9 53.9
 86 57.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.026 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

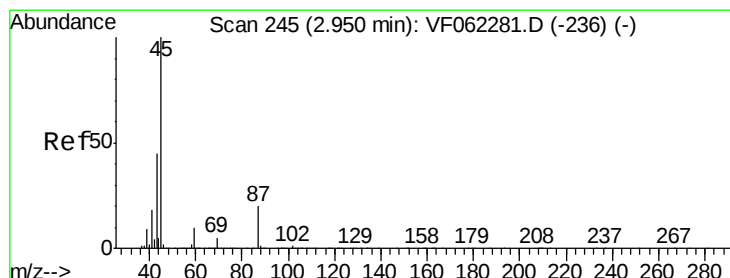
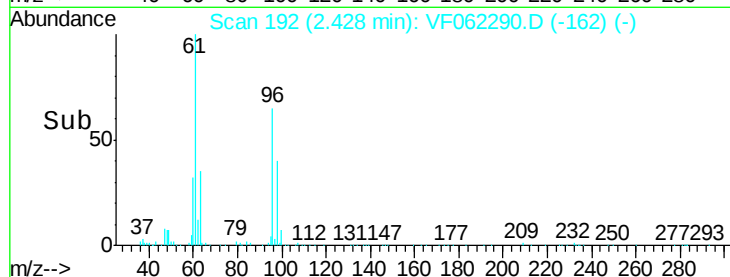
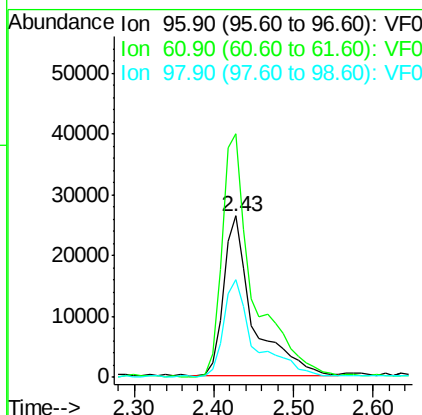
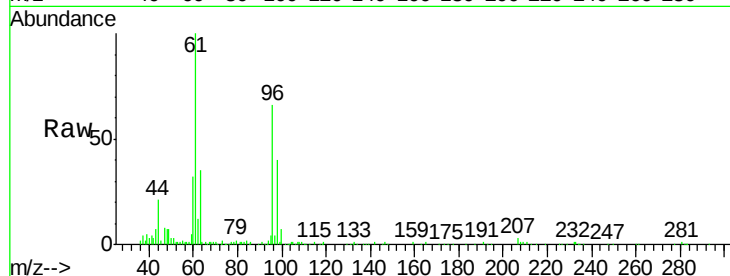
Tot Ion: 96 Resp: 69050

Ion Ratio Lower Upper

96 100

61 152.0 116.2 174.2

98 60.5 51.4 77.0



#22

Diisopropyl ether

Concen: 19.508 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Tgt Ion: 45 Resp: 209889

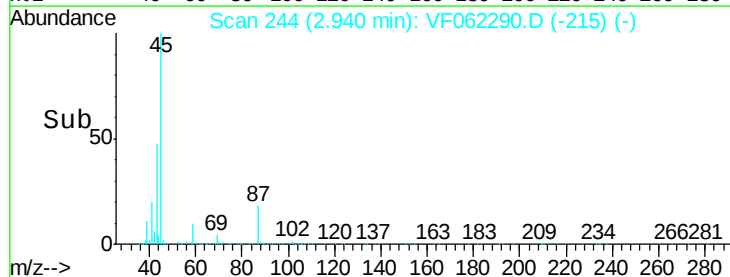
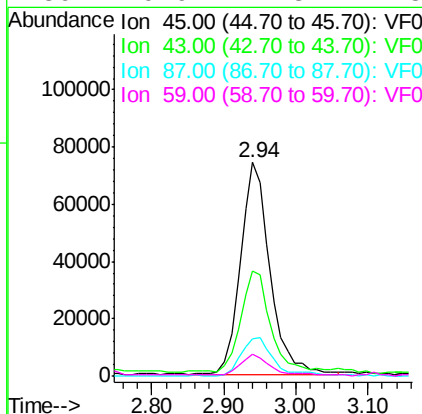
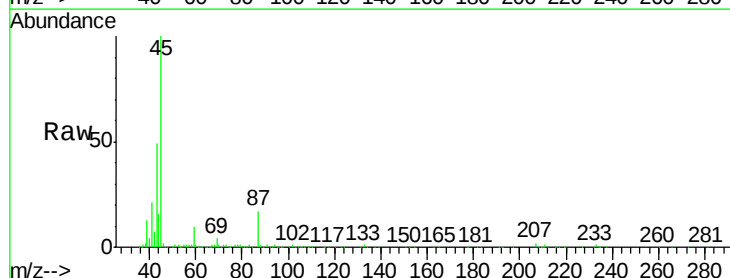
Ion Ratio Lower Upper

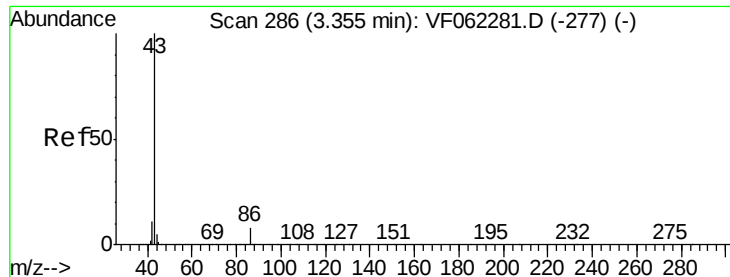
45 100

43 47.0 36.2 54.2

87 17.4 15.8 23.6

59 9.9 7.8 11.8





#23

Vinyl Acetate

Concen: 98.269 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

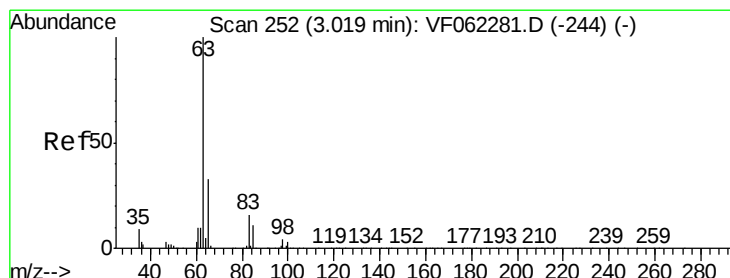
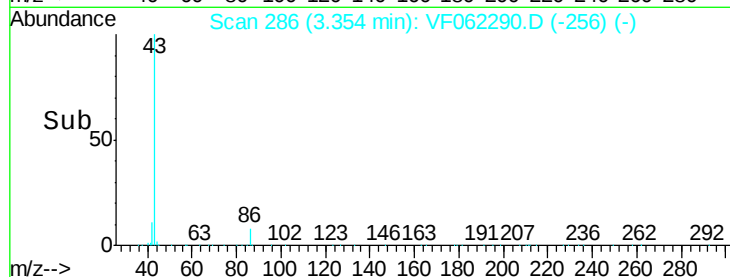
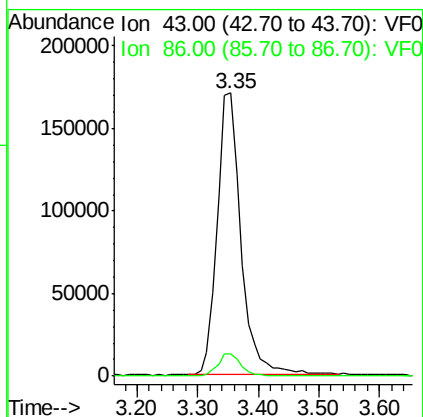
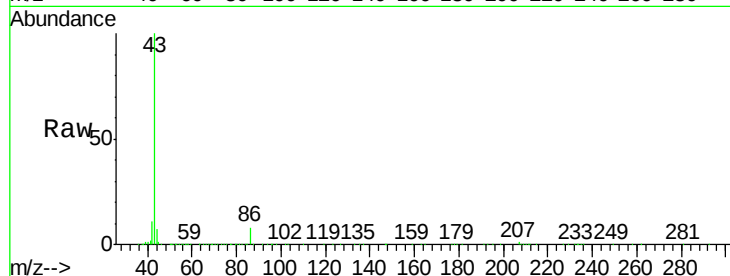
VF0425SBS01

Tot Ion: 43 Resp: 468858

Ion Ratio Lower Upper

43 100

86 7.9 6.0 9.0



#24

1,1-Dichloroethane

Concen: 20.557 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

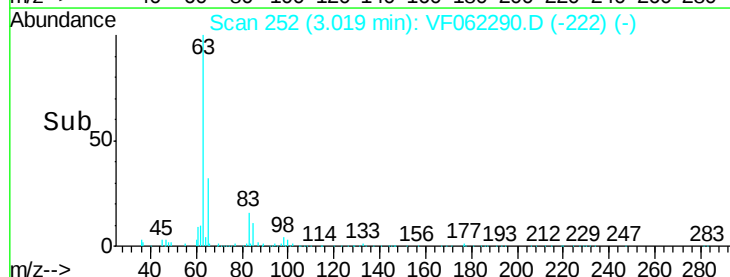
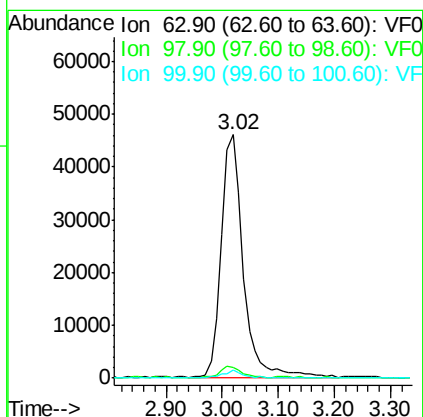
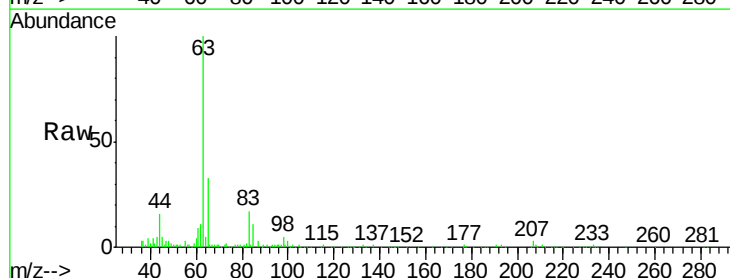
Tgt Ion: 63 Resp: 126240

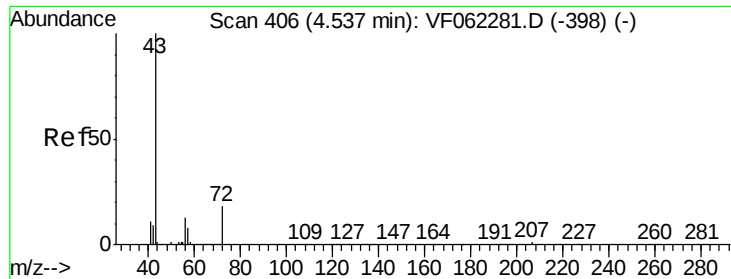
Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.2

100 3.2 1.5 4.5





#25

2-Butanone

Concen: 102.051 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

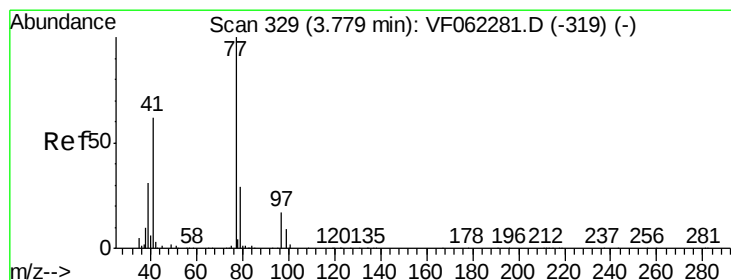
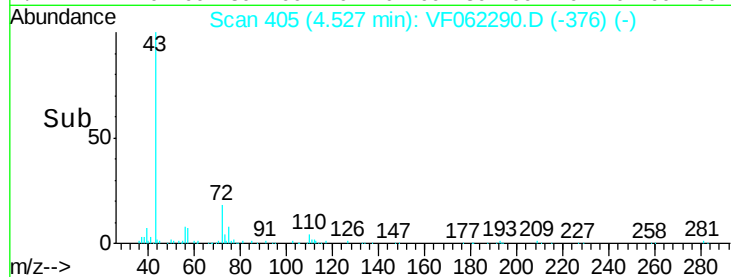
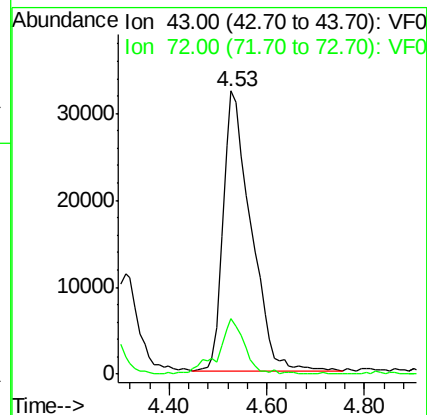
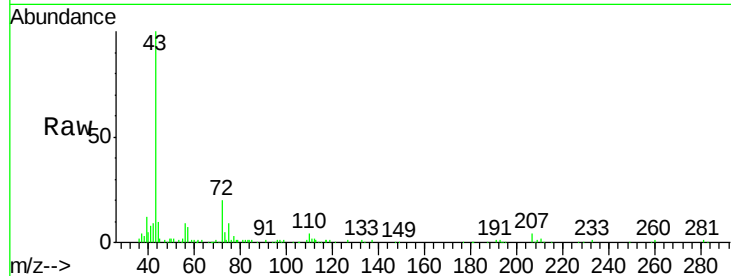
VF0425SBS01

Tot Ion: 43 Resp: 127744

Ion Ratio Lower Upper

43 100

72 19.5 15.8 23.6



#26

2,2-Dichloropropane

Concen: 21.764 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF062290.D

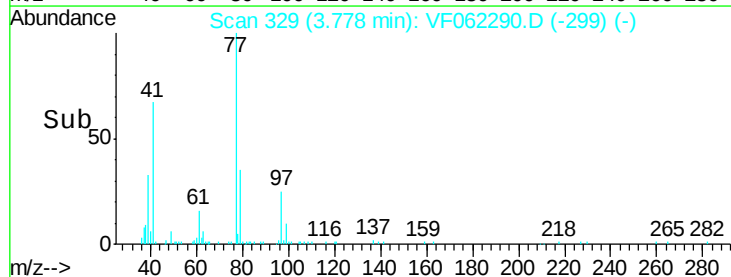
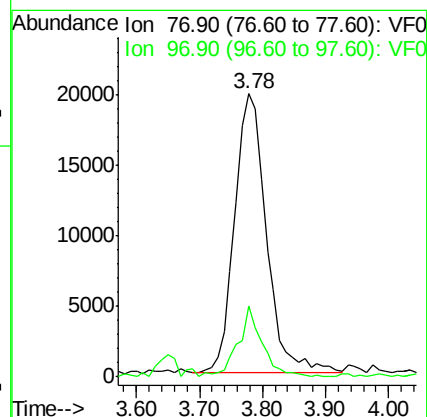
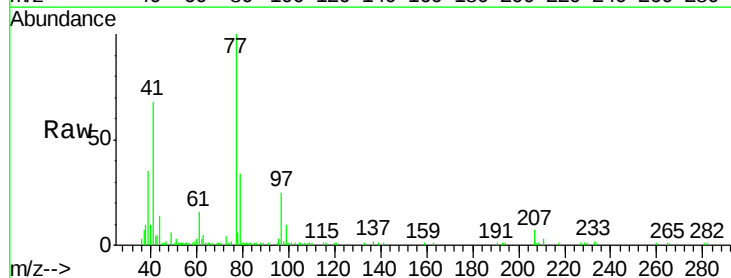
Acq: 25 Apr 2019 14:22

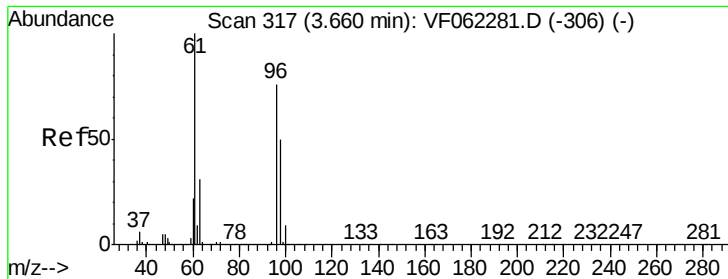
Tgt Ion: 77 Resp: 69408

Ion Ratio Lower Upper

77 100

97 18.9 10.3 30.8



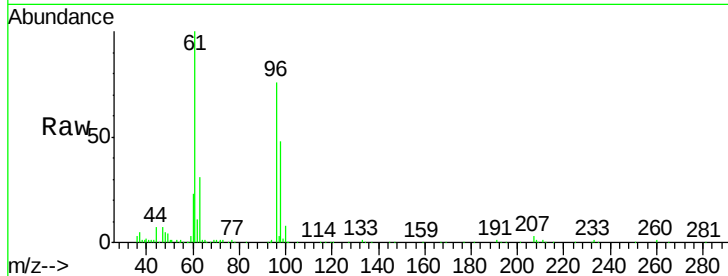


#27

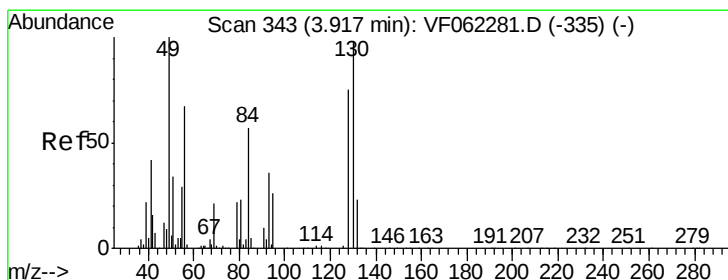
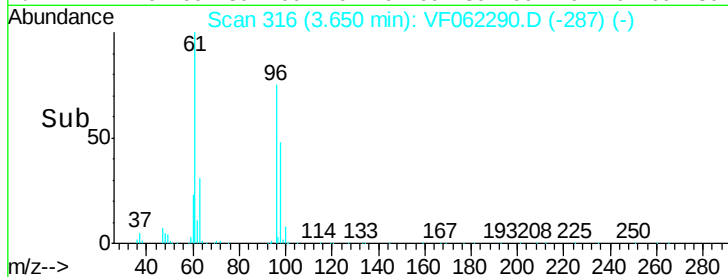
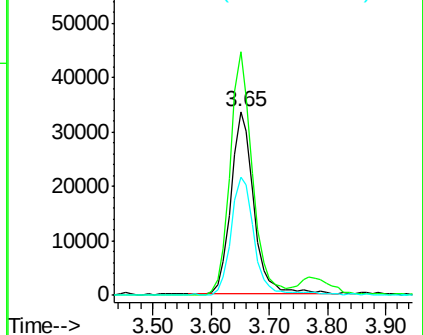
cis-1,2-Dichloroethene
 Concen: 19.983 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

Tot Ion	96	Resp	91841
Ion	Ratio	Lower	Upper
96	100		
61	129.7	0.0	257.6
98	66.5	0.0	137.4



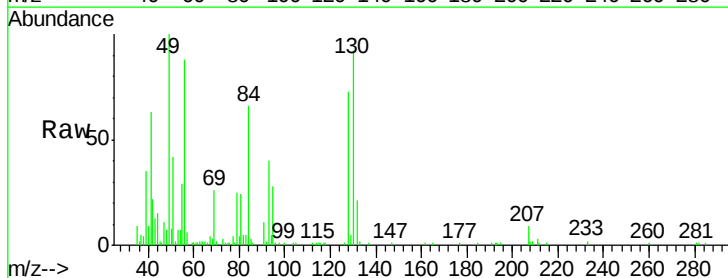
Abundance Ion 95.90 (95.60 to 96.60): VF0
 Ion 60.90 (60.60 to 61.60): VF0
 Ion 97.90 (97.60 to 98.60): VF0



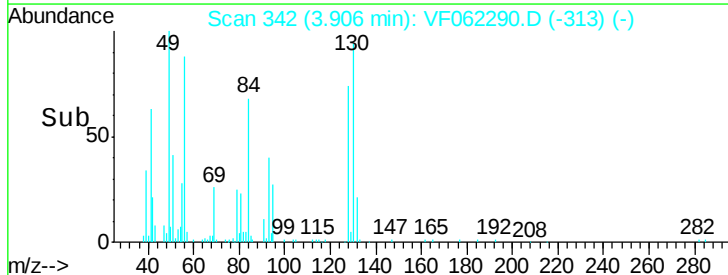
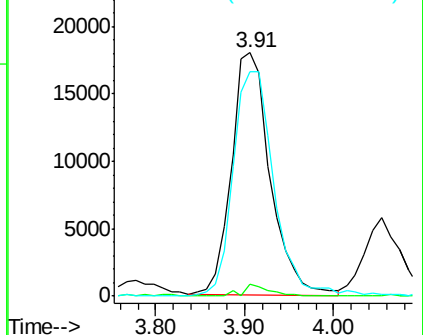
#28

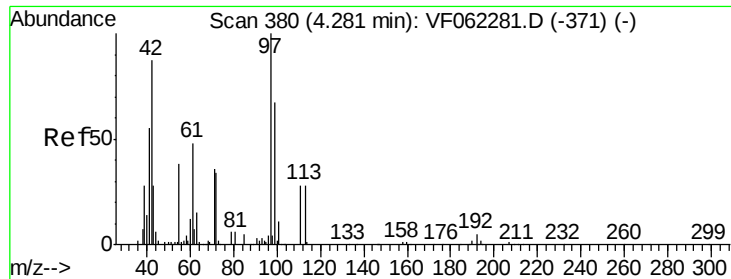
Bromochloromethane
 Concen: 21.203 ug/l
 RT: 3.91 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

Tgt Ion	49	Resp	54871
Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	0.0#
130	98.0	77.0	115.4



Abundance Ion 48.90 (48.60 to 49.60): VF0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

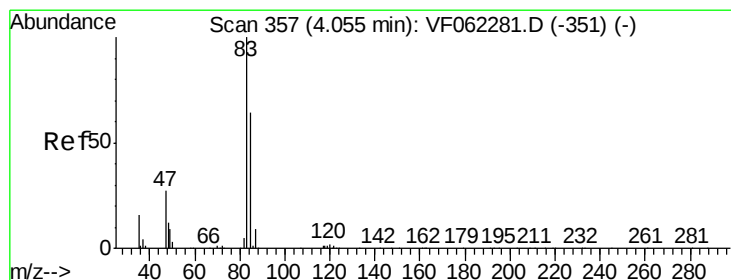
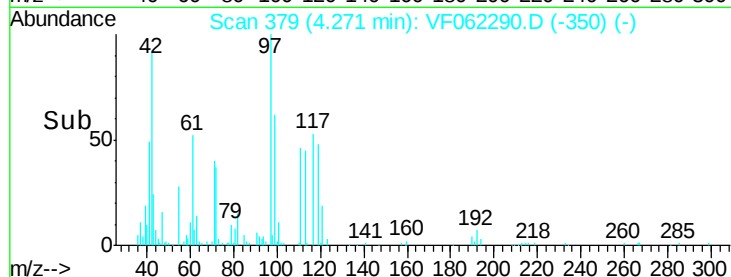
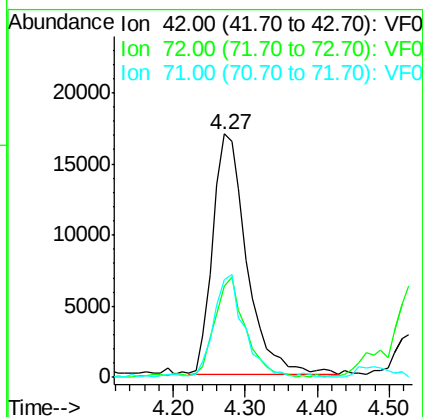
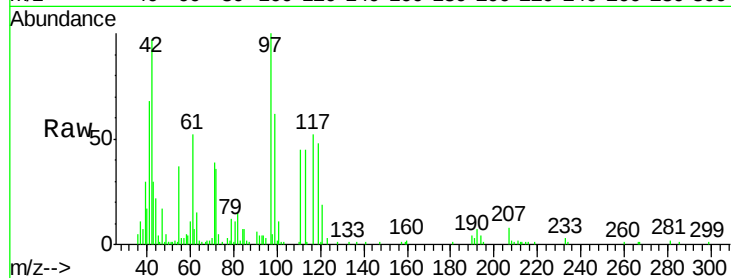




#29
Tetrahydrofuran
Concen: 100.172 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

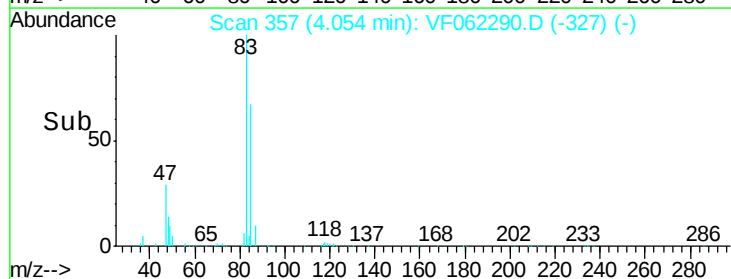
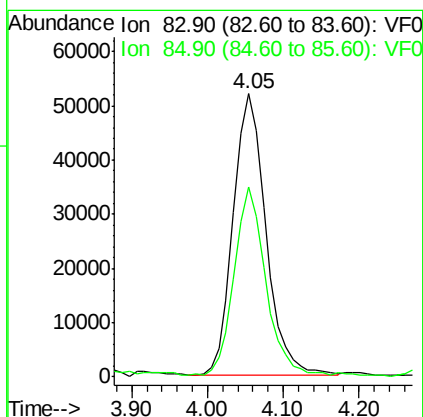
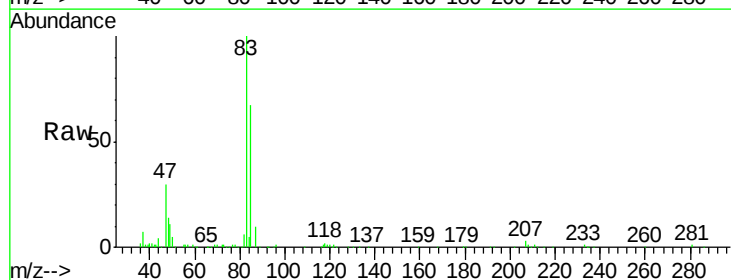
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

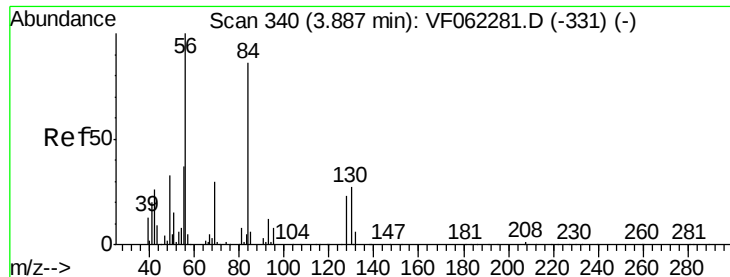
Tot Ion	42	Resp	55097
Ion Ratio	Lower	Upper	
42	100		
72	38.3	29.3	43.9
71	38.3	31.2	46.8



#30
Chloroform
Concen: 20.183 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

Tgt Ion	83	Resp	155638
Ion Ratio	Lower	Upper	
83	100		
85	66.7	51.1	76.7

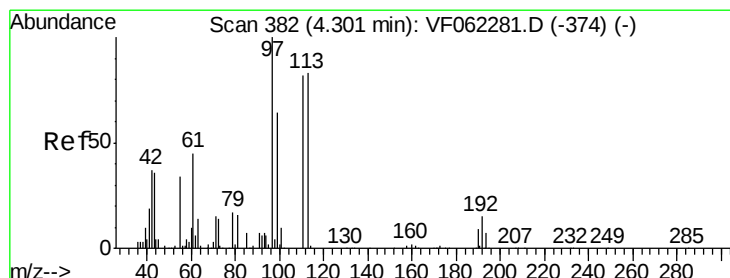
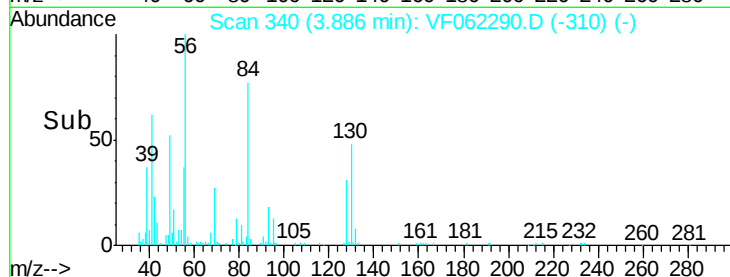
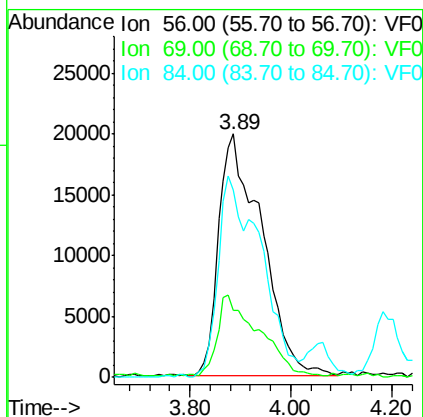
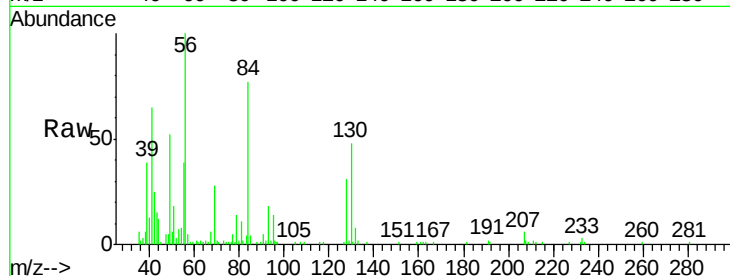




#31
Cyclohexane
Concen: 20.175 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

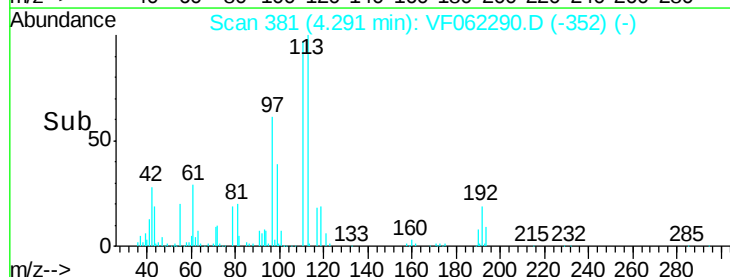
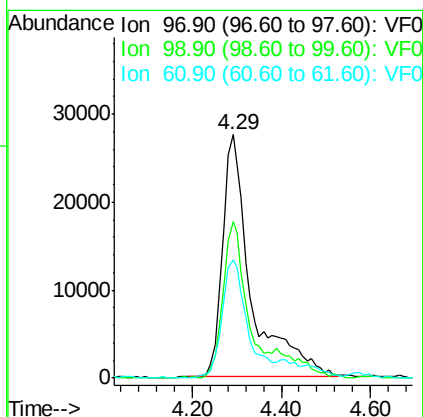
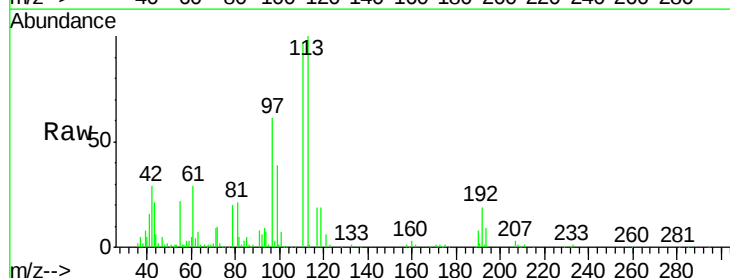
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

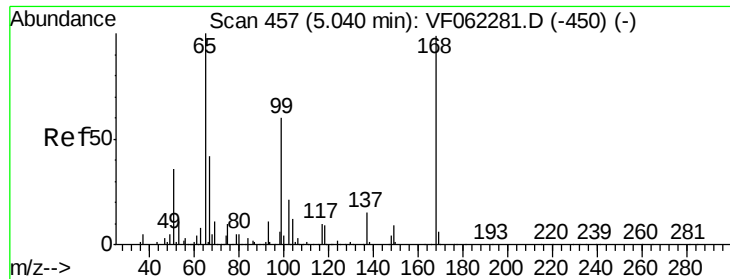
Tot Ion: 56 Resp: 117891
Ion Ratio Lower Upper
56 100
69 26.9 24.3 36.5
84 77.2 68.5 102.7



#32
1,1,1-Trichloroethane
Concen: 20.511 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

Tgt Ion: 97 Resp: 124183
Ion Ratio Lower Upper
97 100
99 53.7 41.6 62.4
61 42.7 31.6 47.4





#33

1,2-Dichloroethane-d4

Concen: 54.201 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

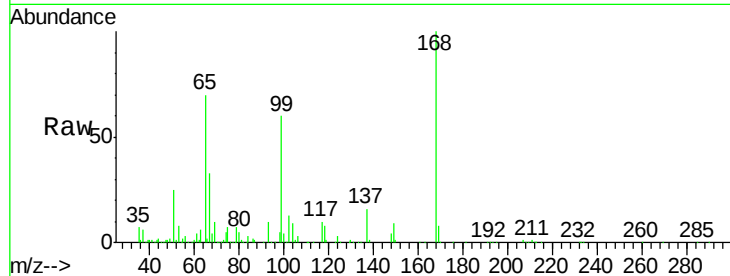
VF0425SBS01

Tot Ion: 65 Resp: 191111

Ion Ratio Lower Upper

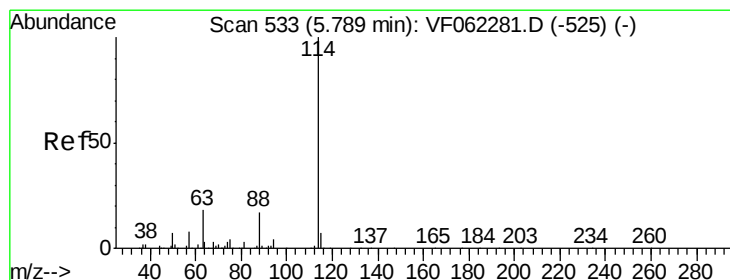
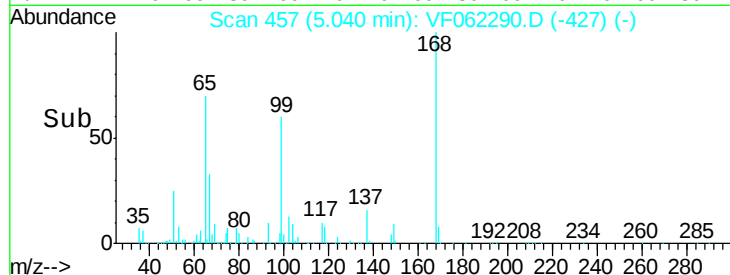
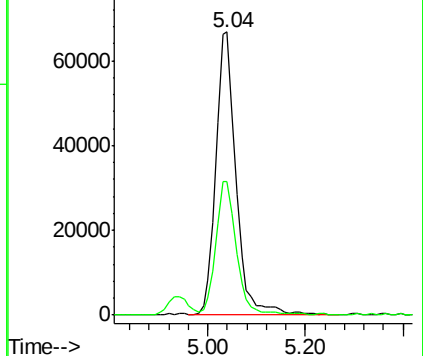
65 100

67 48.1 0.0 98.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

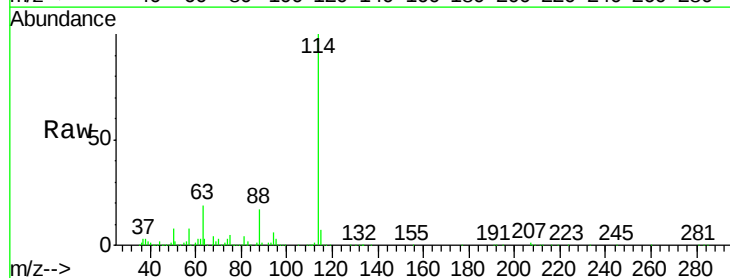
Tgt Ion: 114 Resp: 600643

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.6

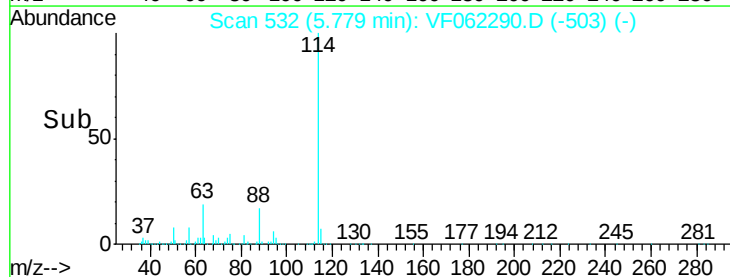
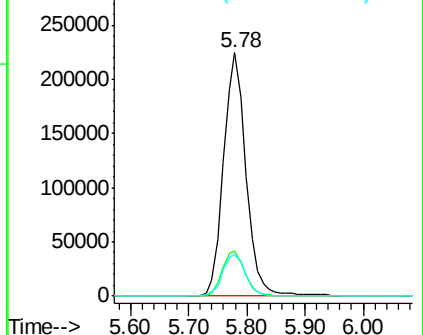
88 16.9 0.0 34.6

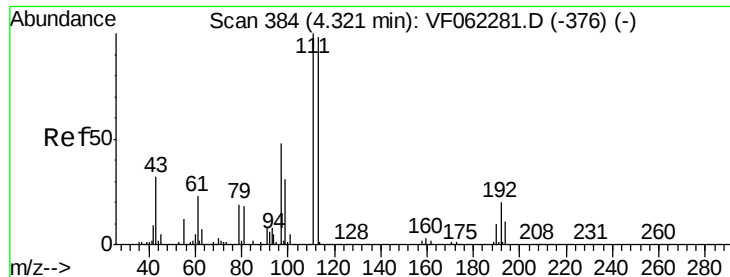


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

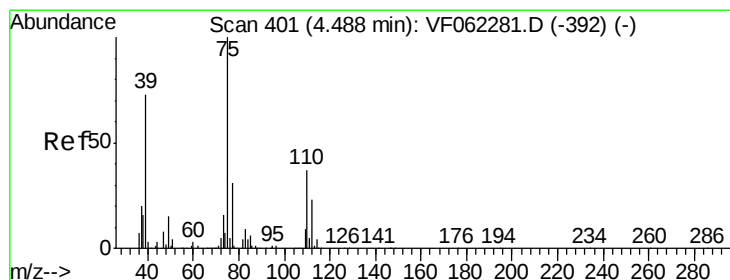
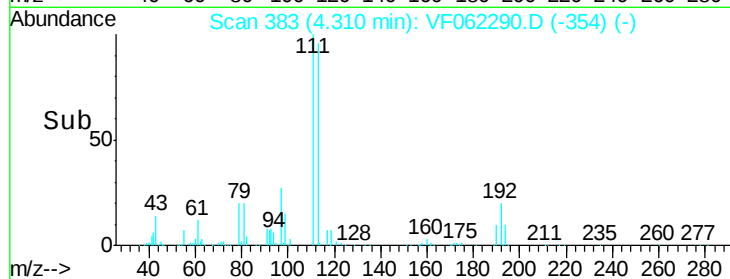
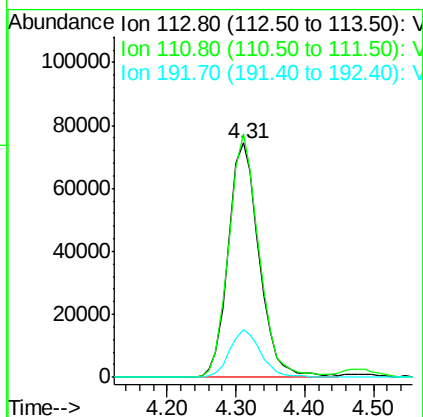
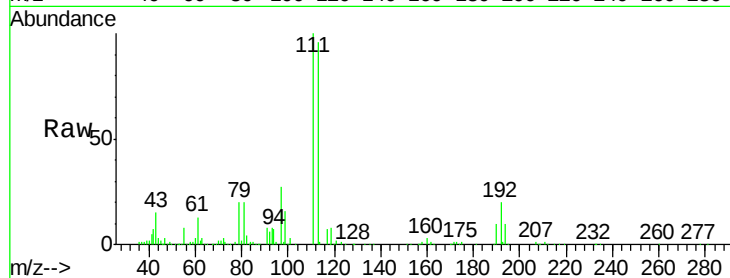




#35
 Dibromofluoromethane
 Concen: 52.127 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

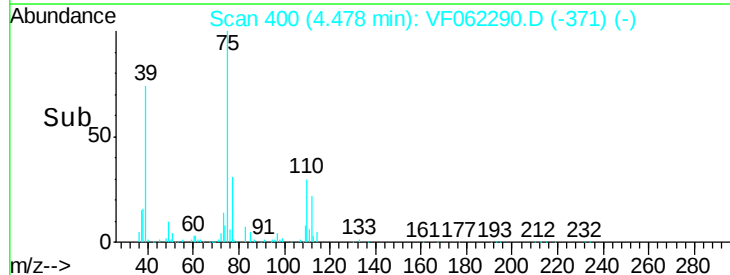
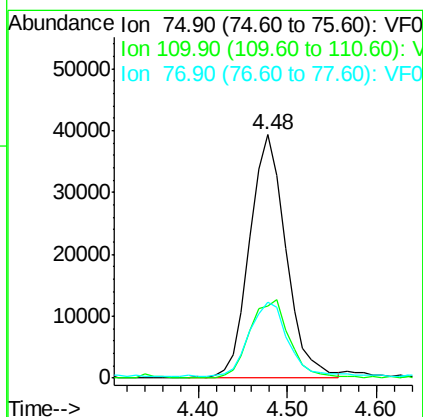
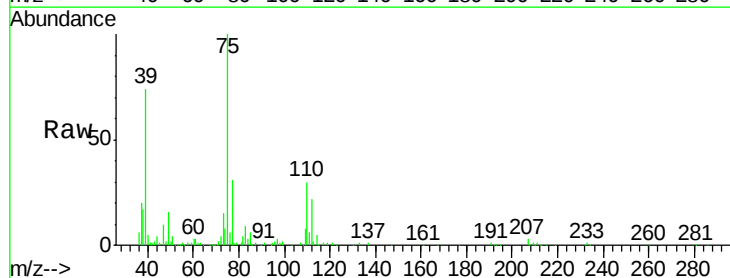
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

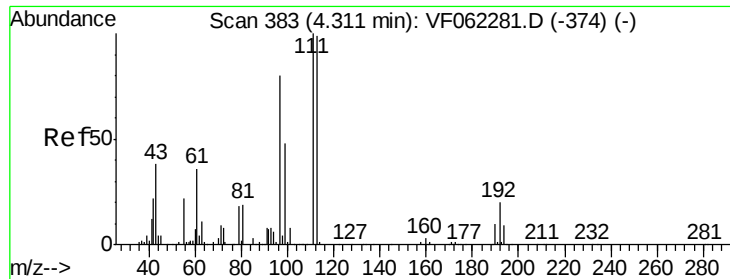
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.4	122.2
192	20.4	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 20.163 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.9	53.8
77	32.7	24.6	36.8





#37

Ethyl Acetate

Concen: 19.852 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

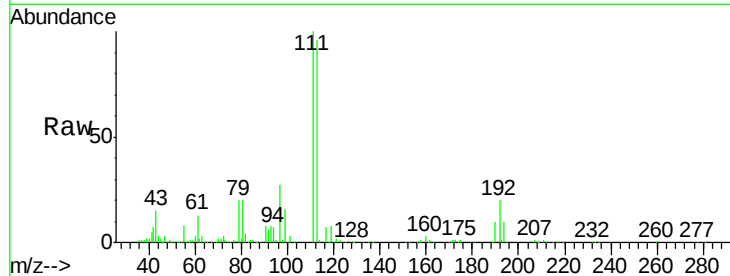
Tot Ion: 43 Resp: 46281

Ion Ratio Lower Upper

43 100

61 114.5 85.8 128.6

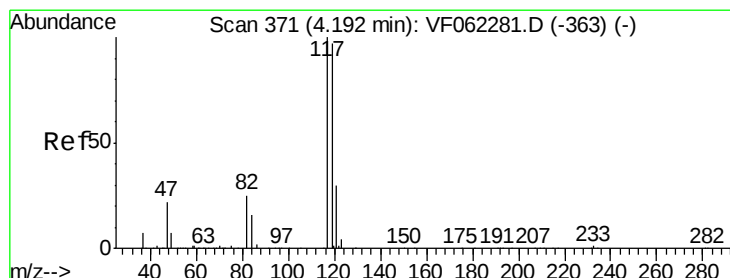
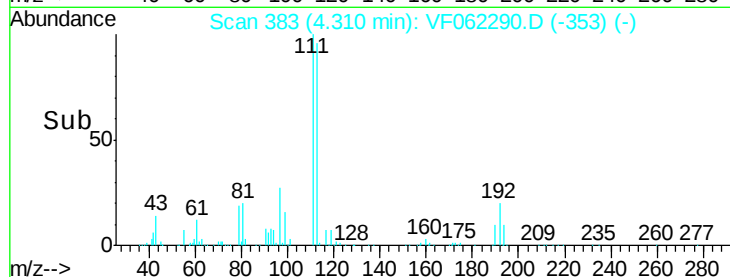
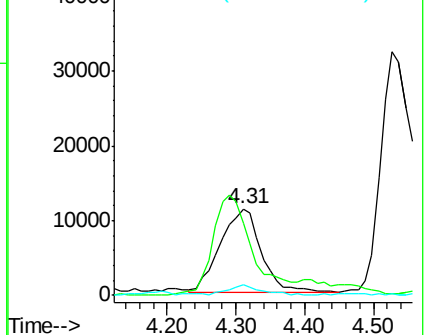
70 10.6 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 20.860 ug/l

RT: 4.18 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

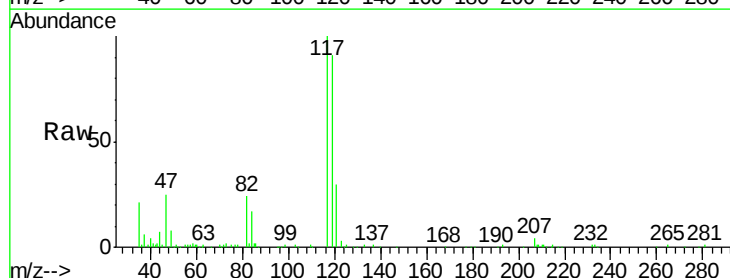
Tgt Ion: 117 Resp: 117511

Ion Ratio Lower Upper

117 100

119 90.4 77.3 115.9

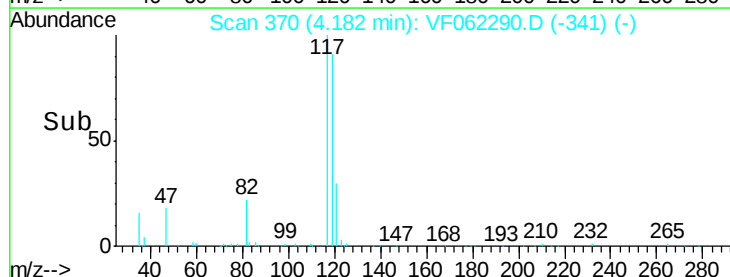
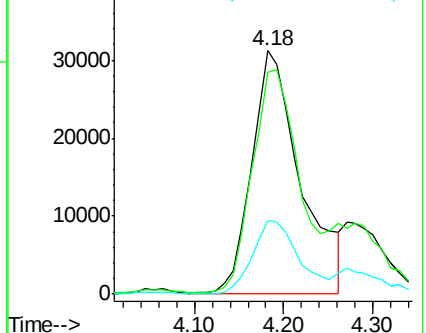
121 30.4 24.3 36.5

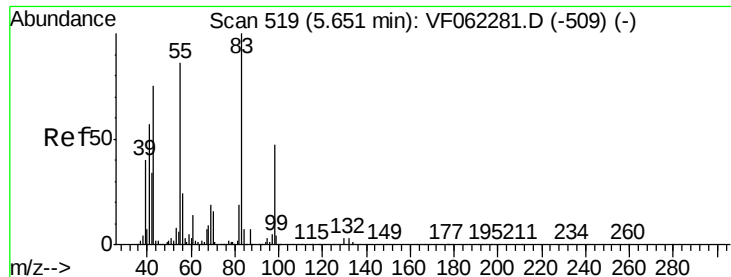


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

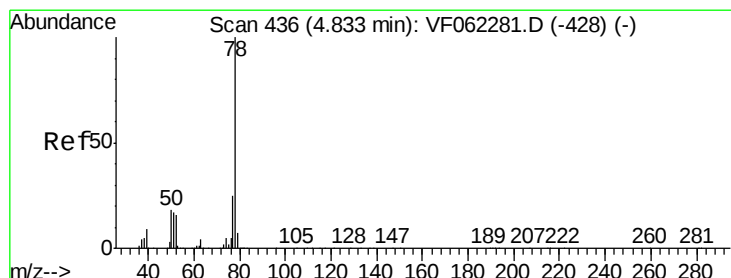
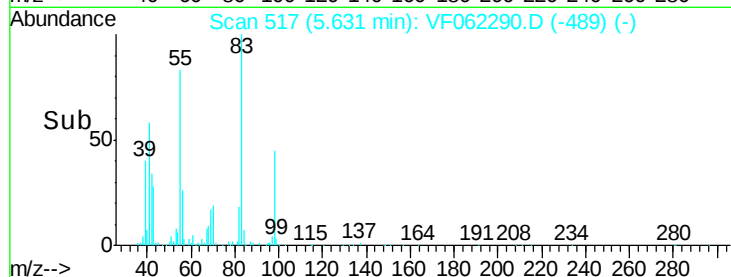
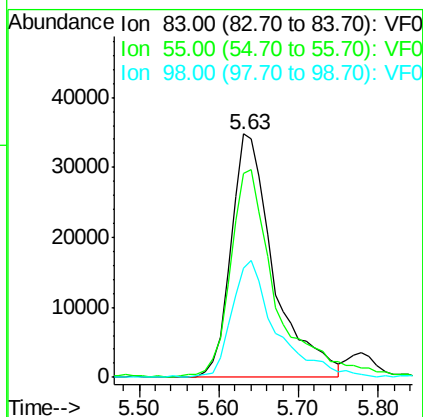
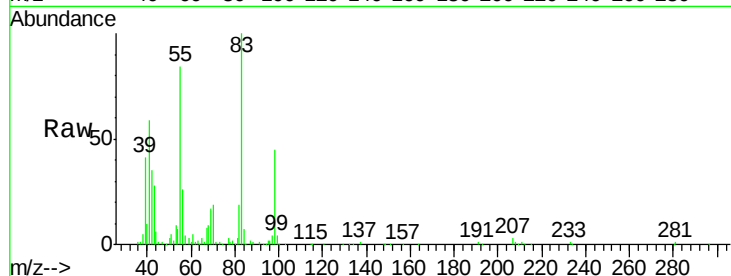




#39
Methvlcvclohexane
Concen: 20.070 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

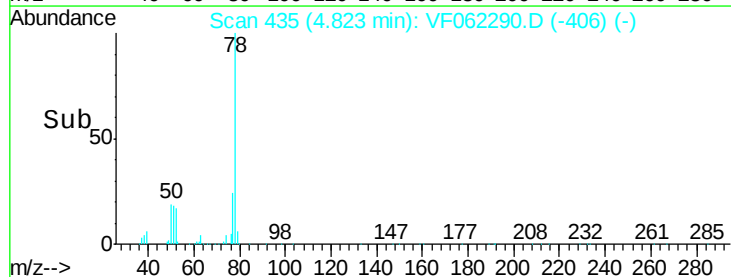
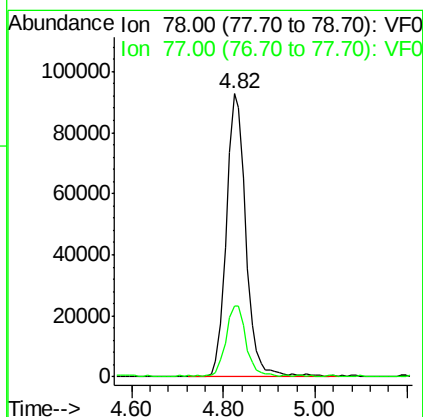
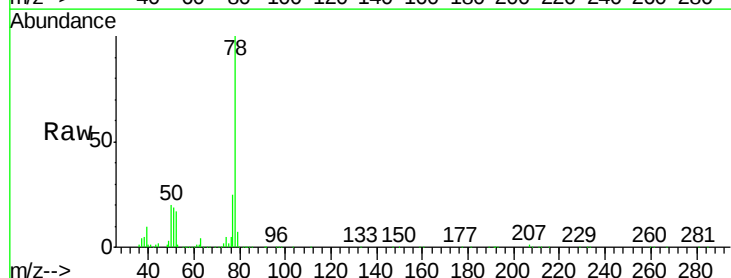
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

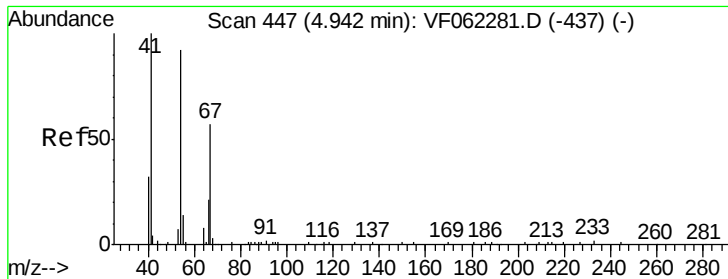
Tot Ion	83	Resp	129827
Ion	Ratio	Lower	Upper
83	100		
55	82.8	68.7	103.1
98	44.7	37.4	56.2



#40
Benzene
Concen: 20.617 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

Tgt Ion	78	Resp	276031
Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.7	29.5

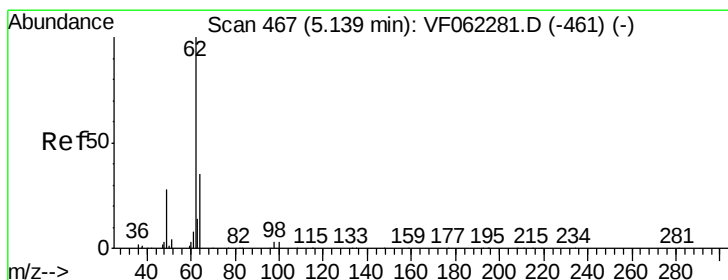
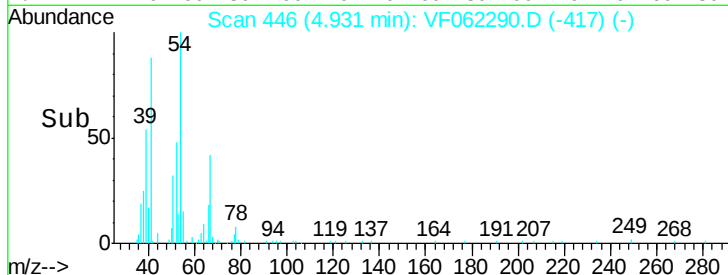
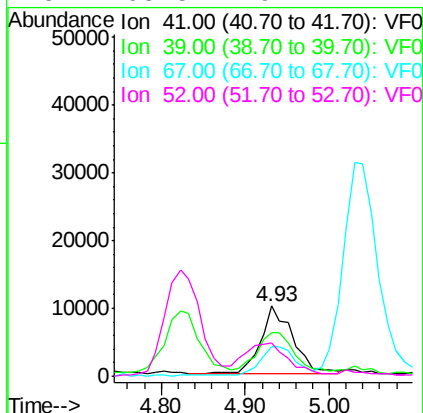




#41
Methacrylonitrile
Concen: 21.046 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.01 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

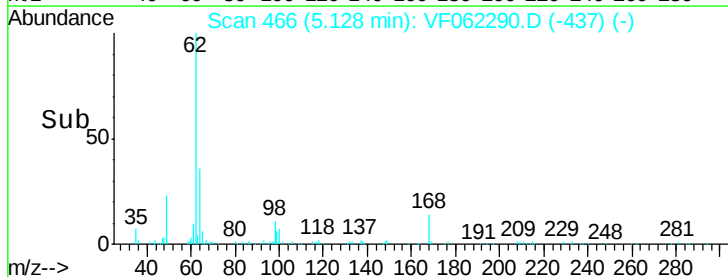
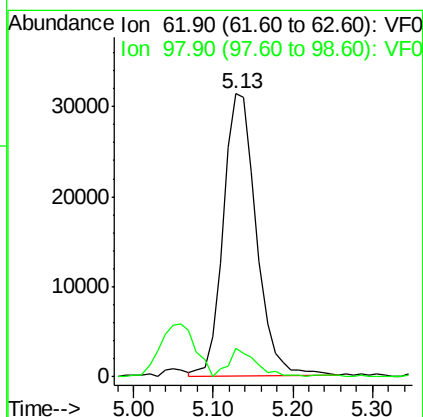
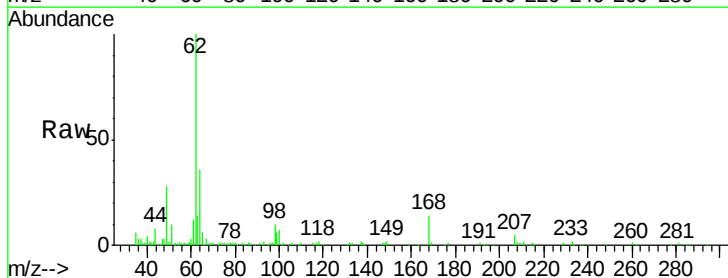
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

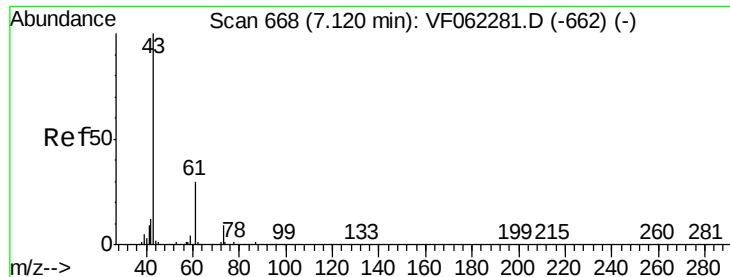
Tot Ion:	41	Resp:	27257
Ion	Ratio	Lower	Upper
41	100		
39	70.4	47.3	70.9
67	46.3	41.3	61.9
52	65.5	49.4	74.2



#42
1,2-Dichloroethane
Concen: 21.441 ug/l
RT: 5.13 min Scan# 466
Delta R.T. -0.01 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

Tgt Ion:	62	Resp:	90942
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8



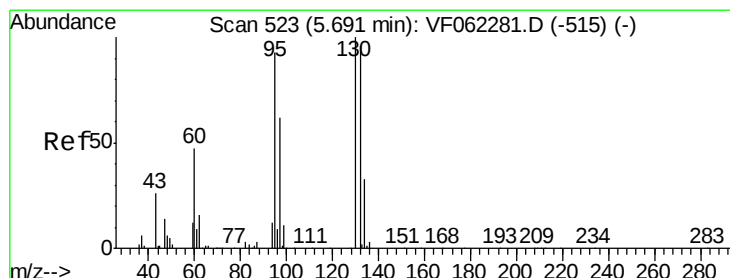
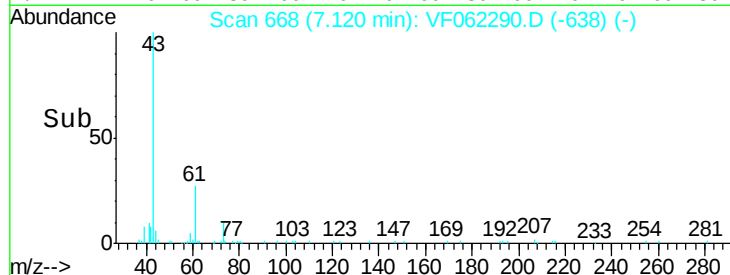
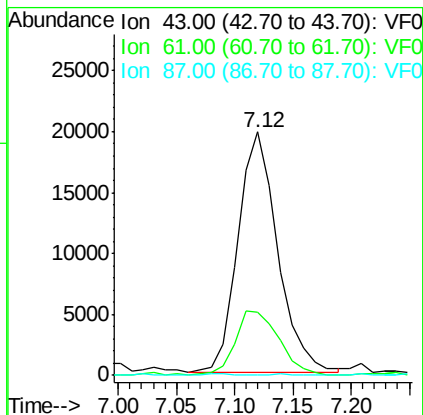
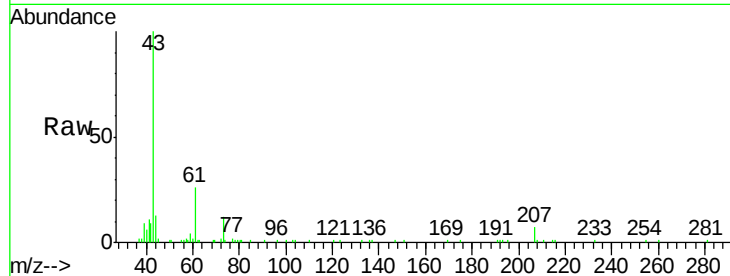


#43

Isopropyl Acetate
 Concen: 19.528 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

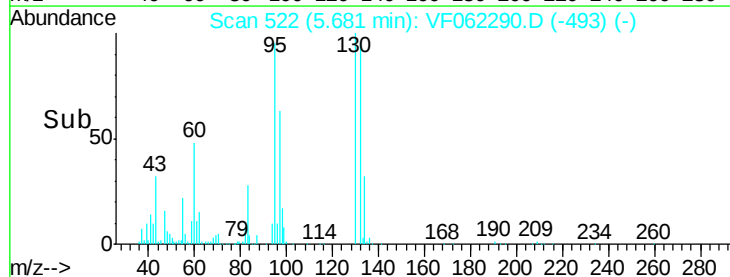
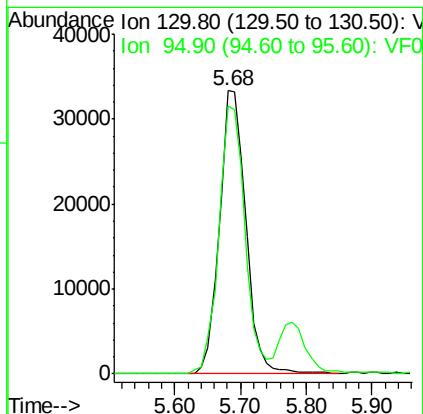
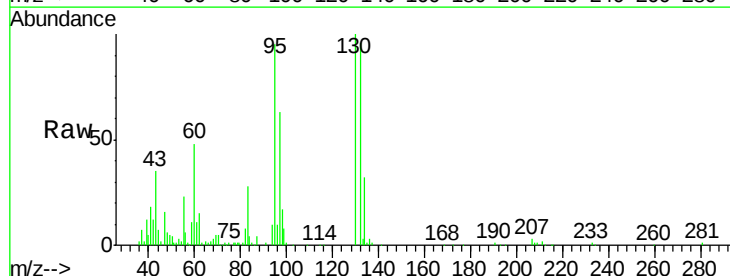
Tot Ion	43	Resp	46958
Ion Ratio	Lower	Upper	
43	100		
61	29.1	23.8	35.6
87	0.0	0.5	0.7#

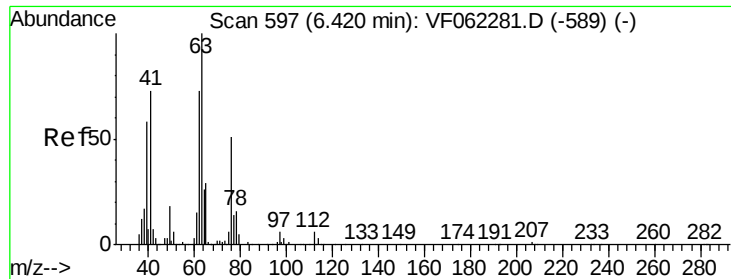


#44

Trichloroethene
 Concen: 20.640 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

Tgt Ion	130	Resp	93495
Ion Ratio	Lower	Upper	
130	100		
95	94.6	0.0	186.4





#45

1,2-Dichloropropane

Concen: 20.191 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

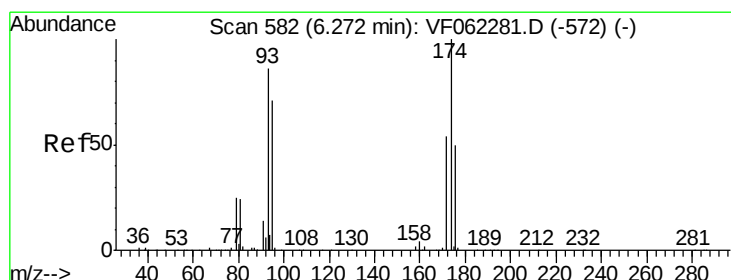
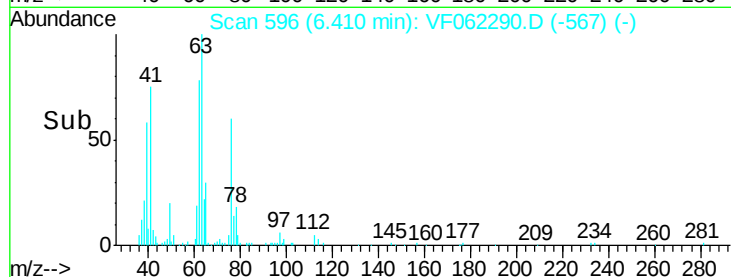
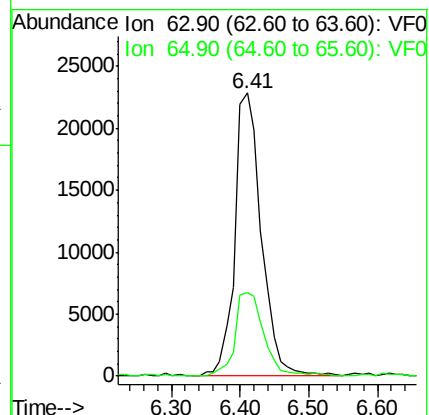
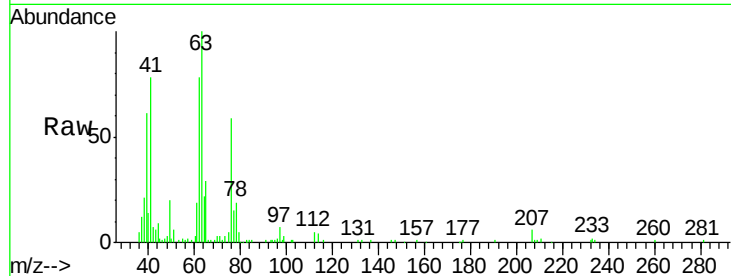
VF0425SBS01

Tot Ion: 63 Resp: 60949

Ion Ratio Lower Upper

63 100

65 29.4 23.5 35.3



#46

Dibromomethane

Concen: 21.544 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

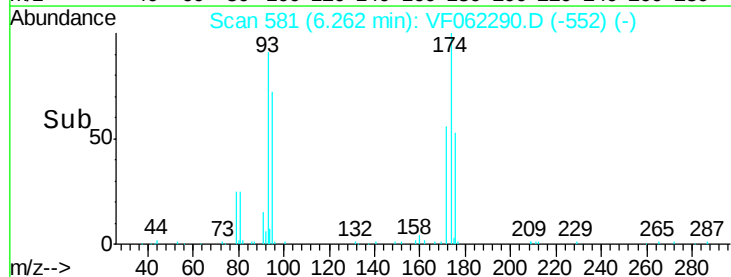
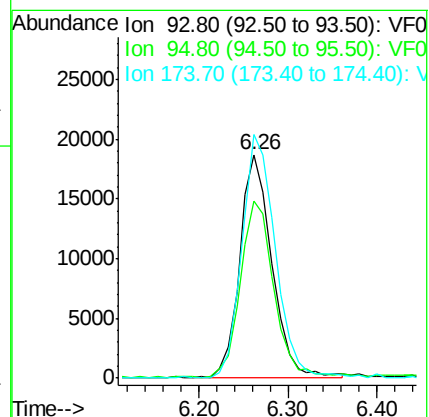
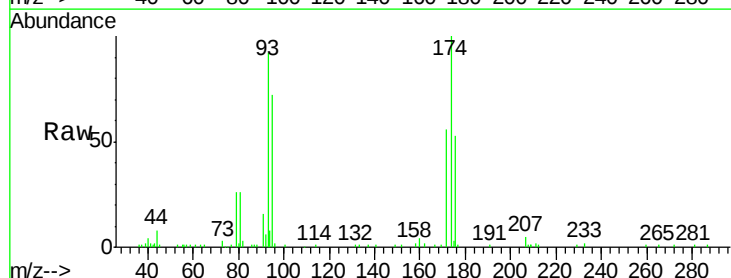
Tgt Ion: 93 Resp: 46958

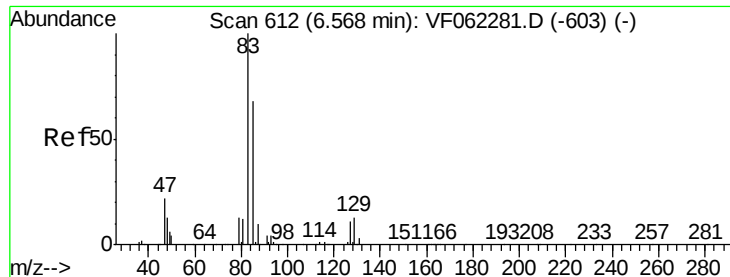
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.4

174 113.3 94.9 142.3





#47

Bromodichloromethane

Concen: 21.594 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

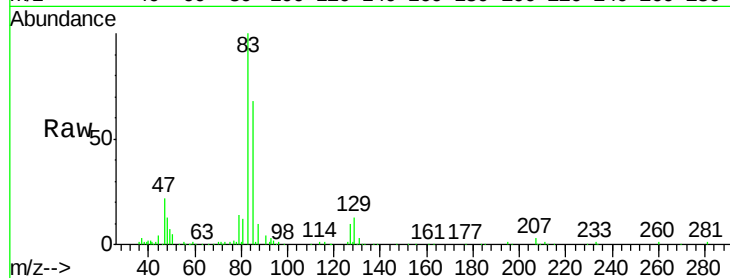
Tot Ion: 83 Resp: 110653

Ion Ratio Lower Upper

83 100

85 67.6 54.6 81.8

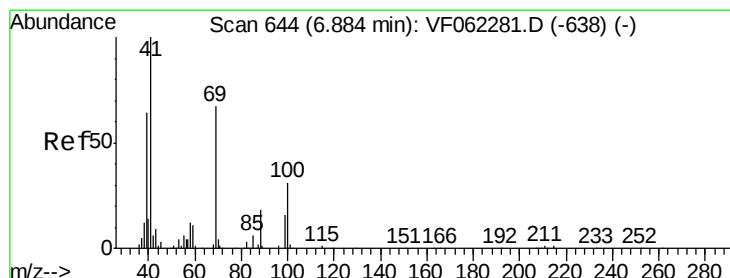
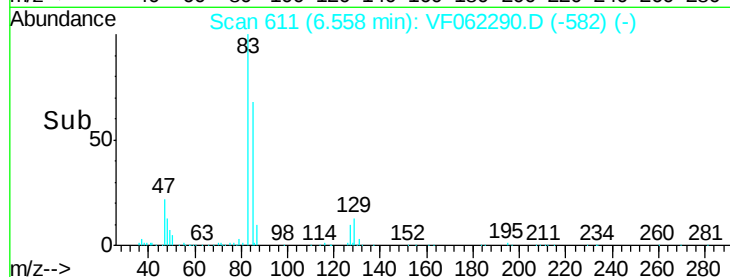
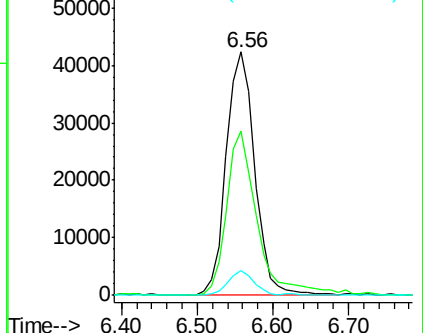
127 10.1 8.7 13.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.964 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

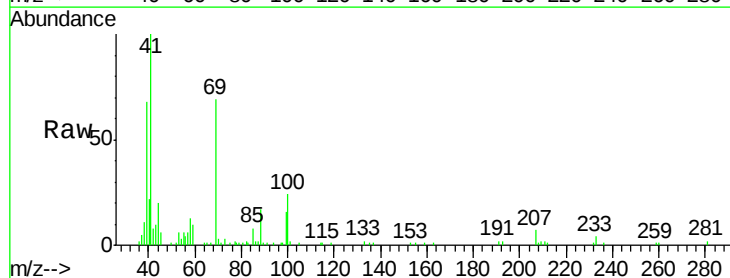
Tgt Ion: 41 Resp: 32390

Ion Ratio Lower Upper

41 100

69 67.8 53.4 80.2

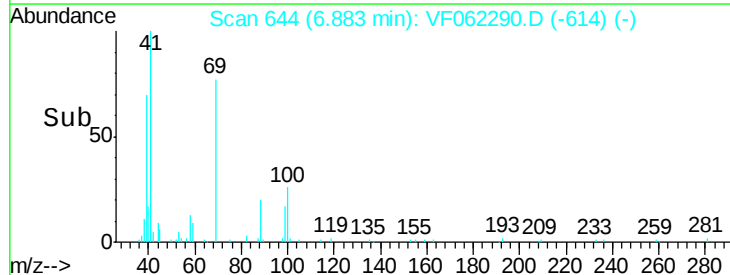
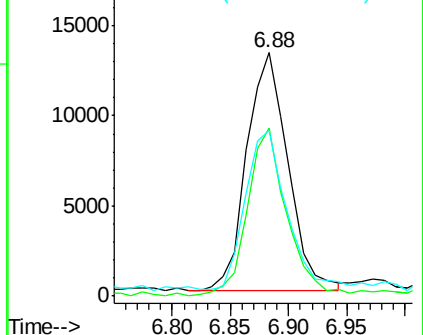
39 68.2 50.9 76.3

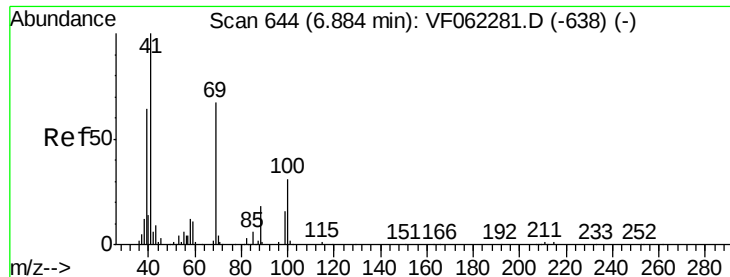


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

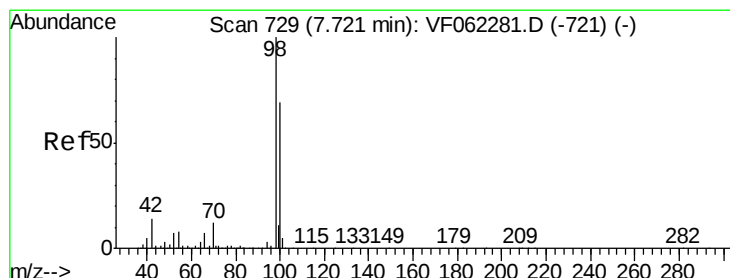
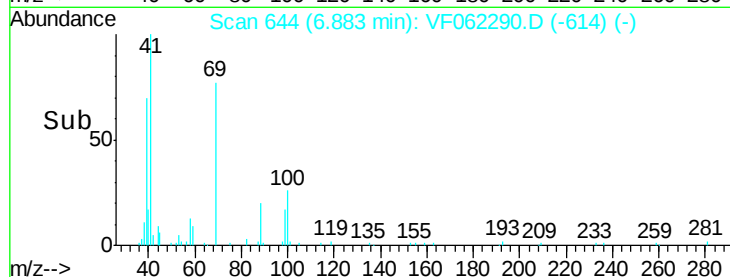
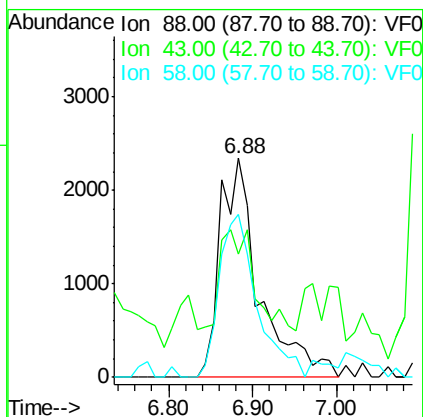
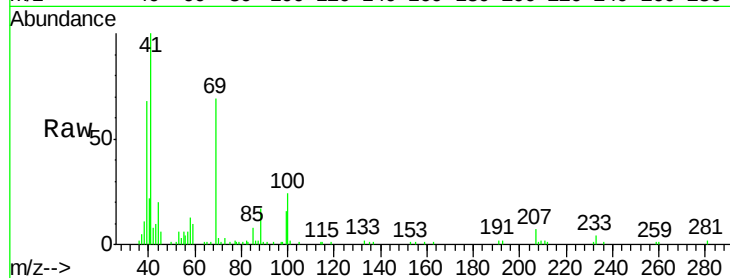




#49
 1,4-Dioxane
 Concen: 386.477 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

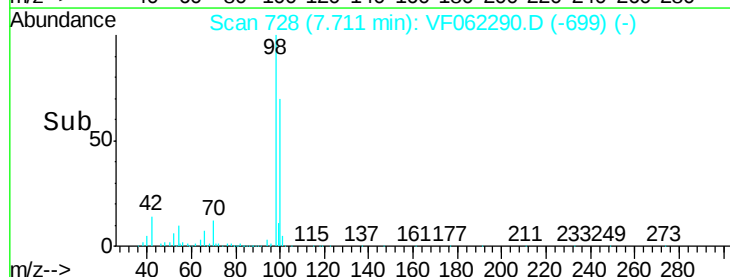
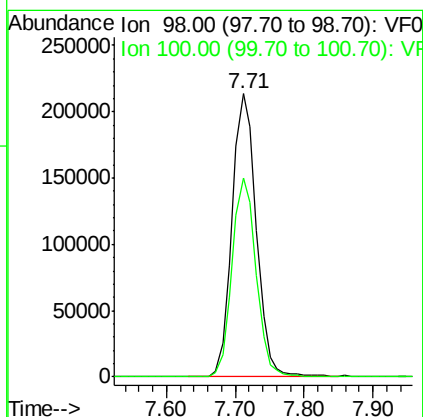
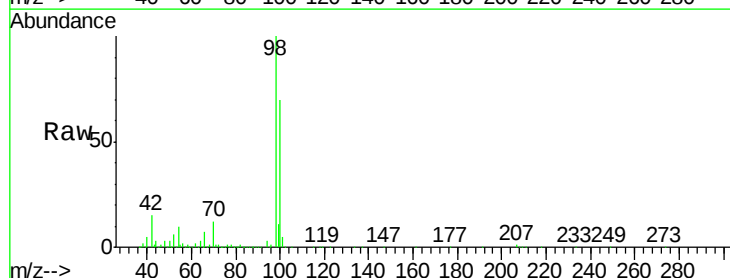
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

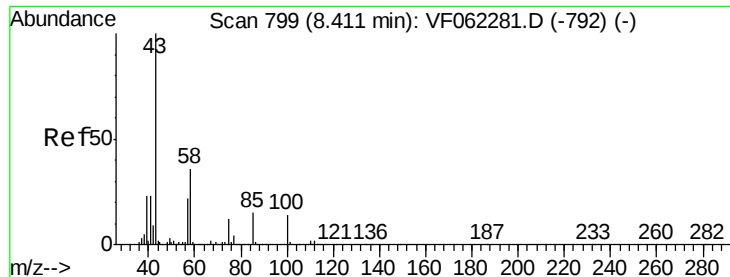
Tot Ion: 88 Resp: 7601
 Ion Ratio Lower Upper
 88 100
 43 38.8 34.2 51.4
 58 71.0 50.7 76.1



#50
 Toluene-d8
 Concen: 48.037 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. -0.01 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

Tgt Ion: 98 Resp: 522554
 Ion Ratio Lower Upper
 98 100
 100 69.1 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 93.962 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

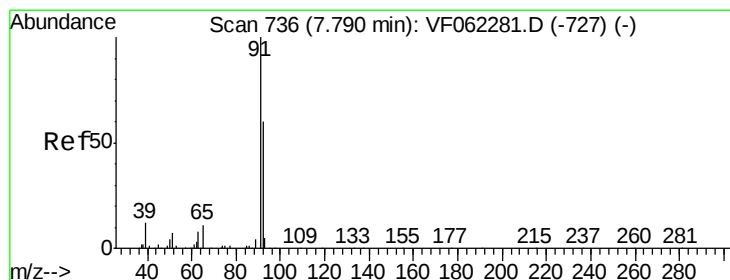
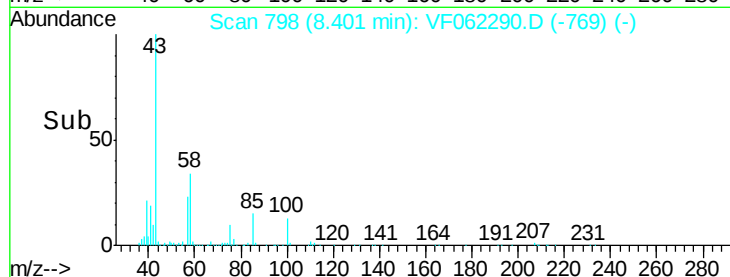
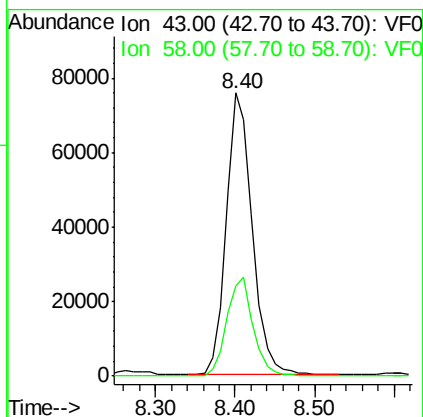
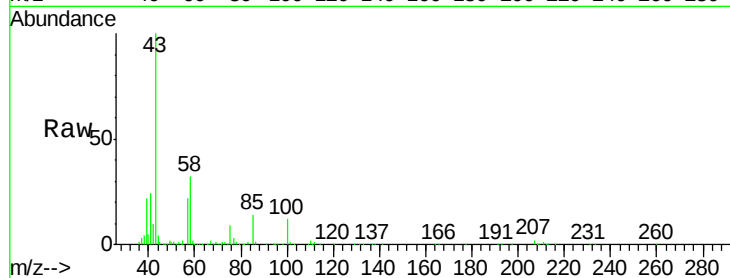
VF0425SBS01

Tot Ion: 43 Resp: 172595

Ion Ratio Lower Upper

43 100

58 36.1 29.1 43.7



#52

Toluene

Concen: 18.867 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF062290.D

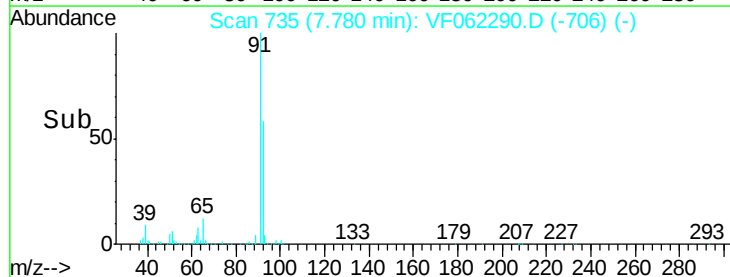
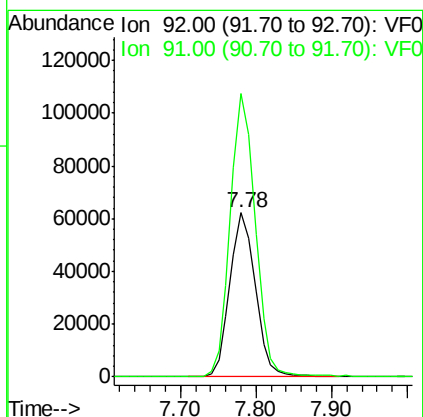
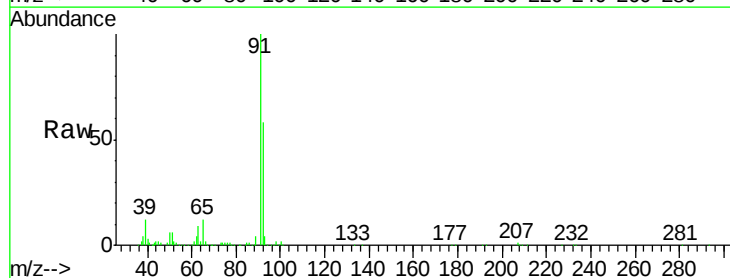
Acq: 25 Apr 2019 14:22

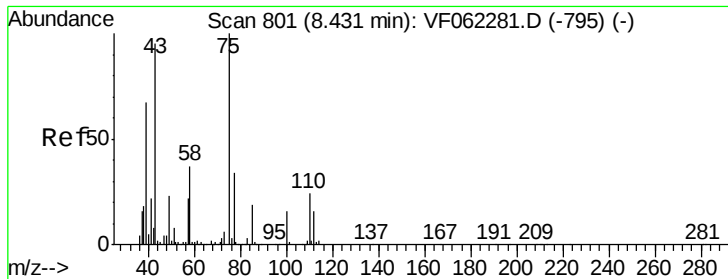
Tgt Ion: 92 Resp: 145760

Ion Ratio Lower Upper

92 100

91 170.8 132.5 198.7





#53

t-1,3-Dichloropropene

Concen: 20.429 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

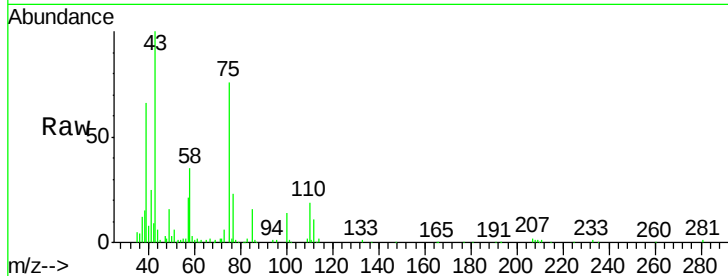
VF0425SBS01

Tot Ion: 75 Resp: 76975

Ion Ratio Lower Upper

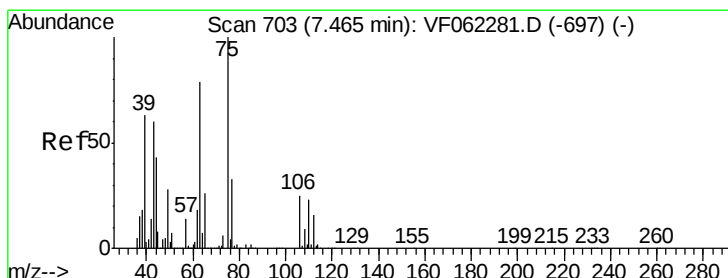
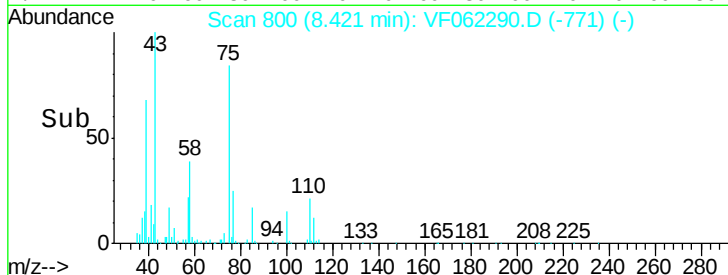
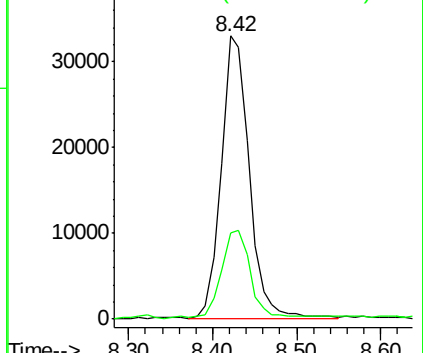
75 100

77 29.5 26.9 40.3



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0



#54

cis-1,3-Dichloropropene

Concen: 20.091 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

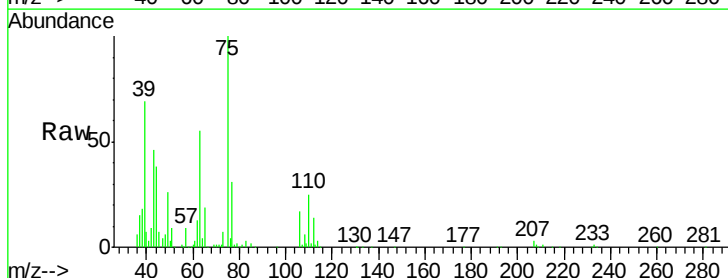
Tgt Ion: 75 Resp: 96979

Ion Ratio Lower Upper

75 100

77 30.4 26.5 39.7

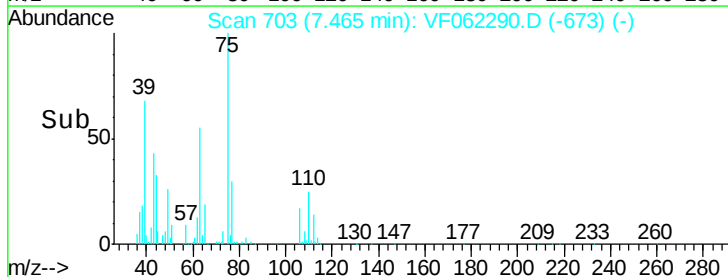
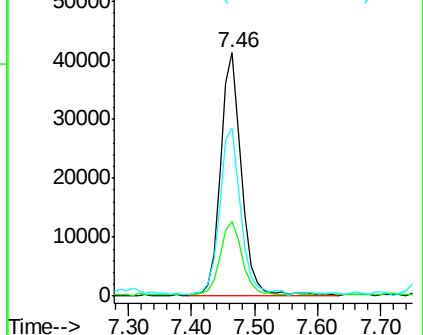
39 68.4 50.2 75.2

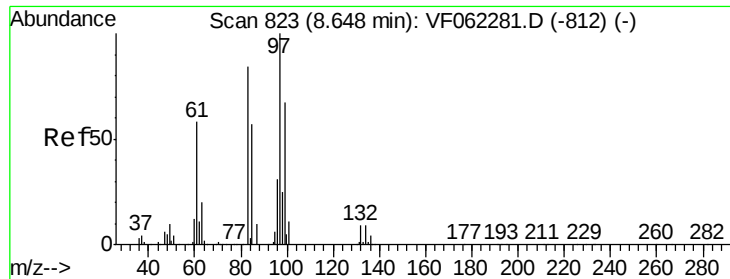


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 18.865 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

Tot Ion: 97 Resp: 41393

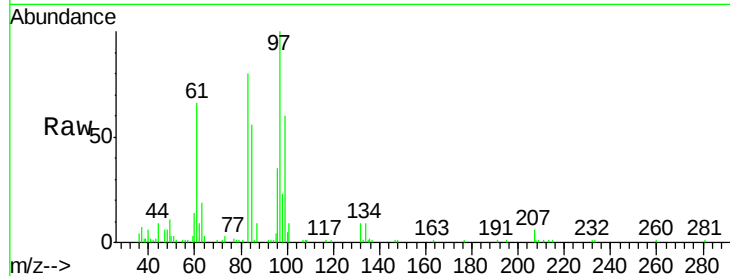
Ion Ratio Lower Upper

97 100

83 80.1 67.5 101.3

85 56.4 45.3 67.9

99 60.1 53.4 80.0

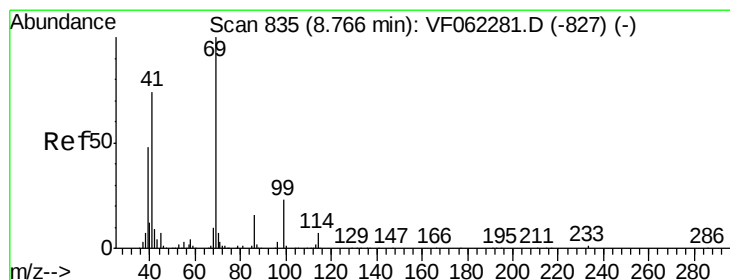
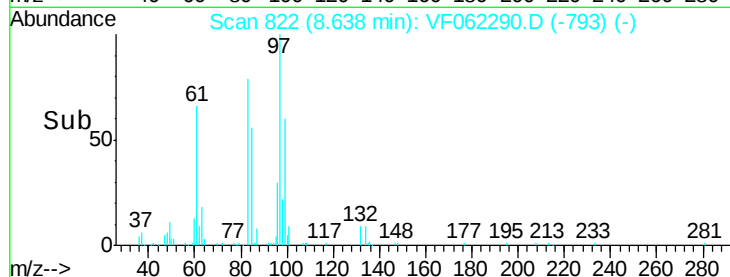
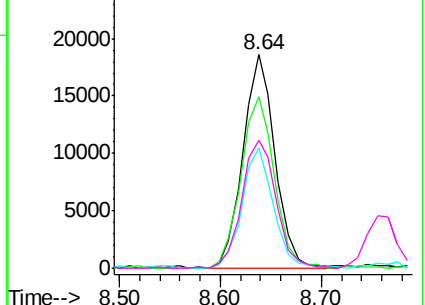


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 17.197 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

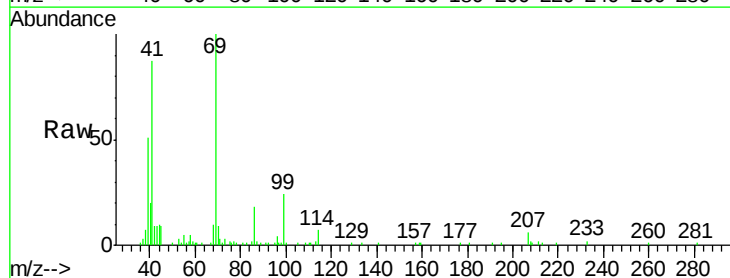
Tgt Ion: 69 Resp: 41453

Ion Ratio Lower Upper

69 100

41 76.8 61.5 92.3

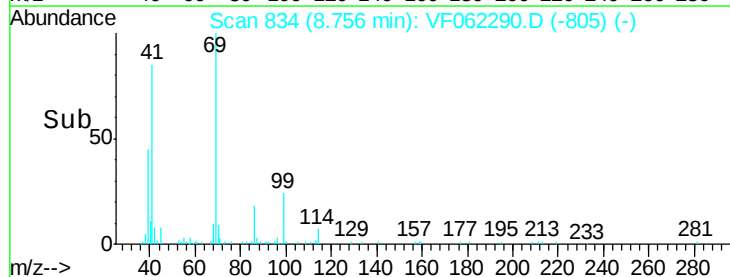
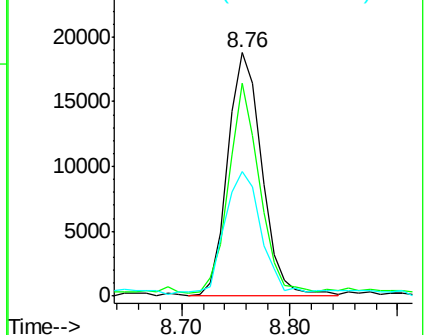
39 53.7 37.9 56.9

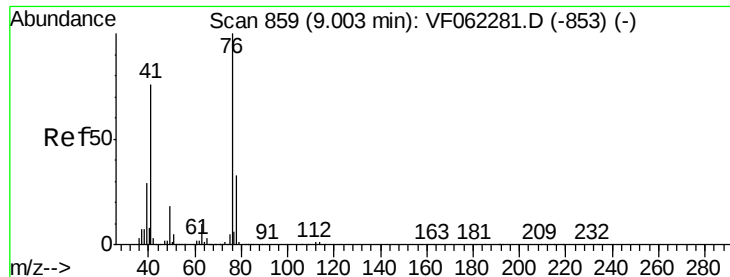


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 18.393 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

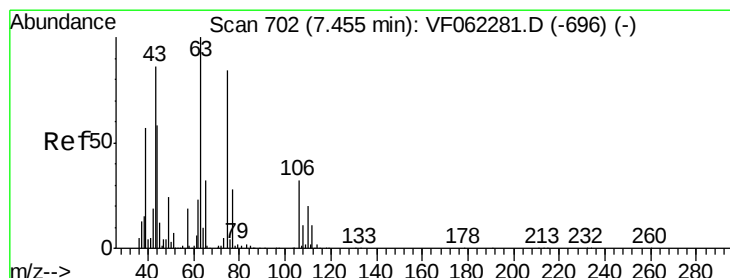
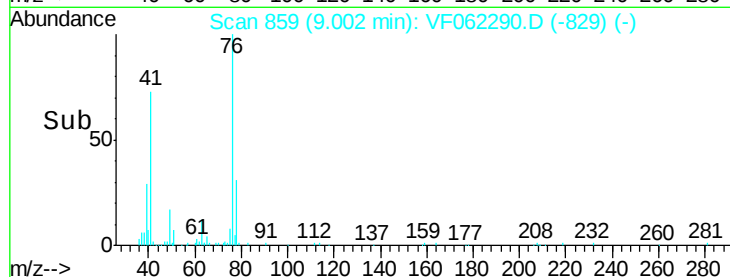
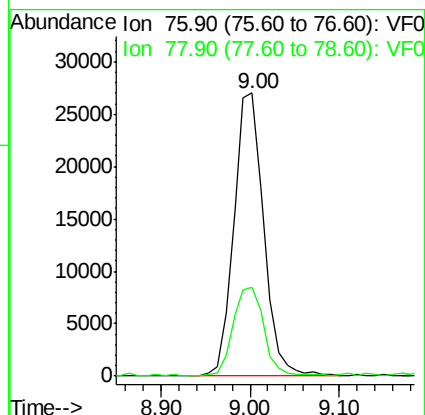
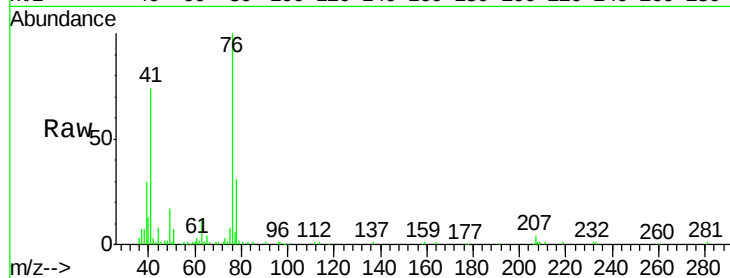
VF0425SBS01

Tot Ion: 76 Resp: 63454

Ion Ratio Lower Upper

76 100

78 32.7 27.0 40.6



#58

2-Chloroethyl Vinyl ether

Concen: 100.047 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF062290.D

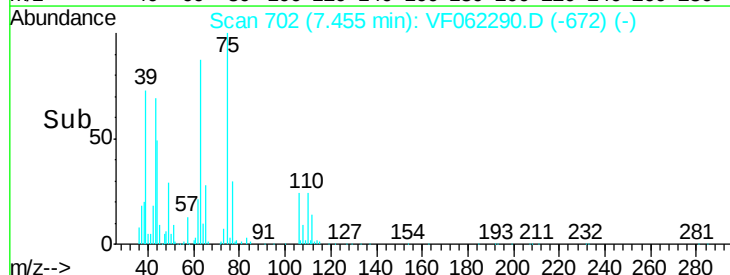
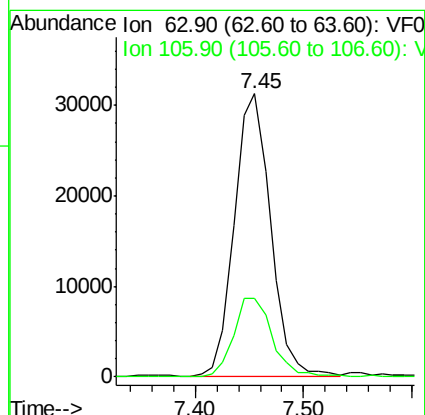
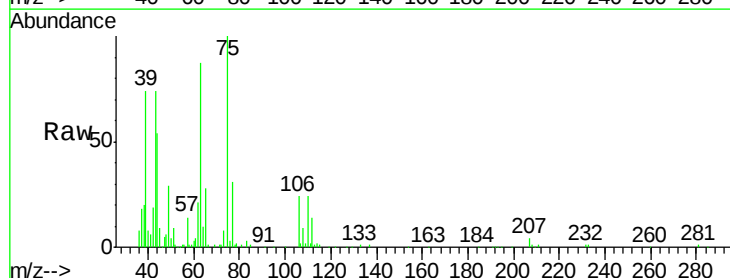
Acq: 25 Apr 2019 14:22

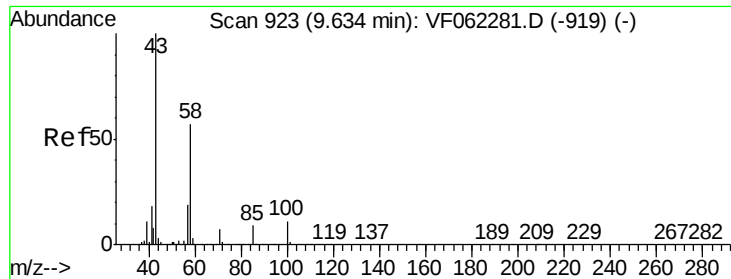
Tgt Ion: 63 Resp: 73383

Ion Ratio Lower Upper

63 100

106 29.8 24.7 37.1

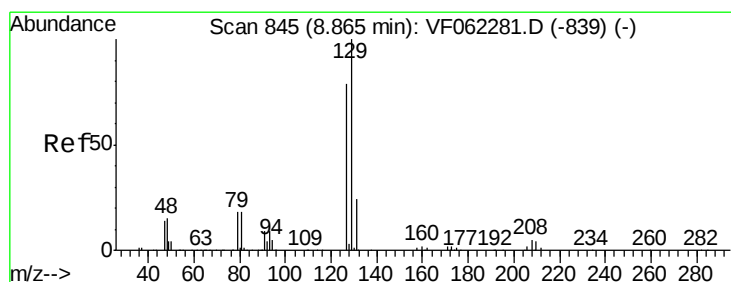
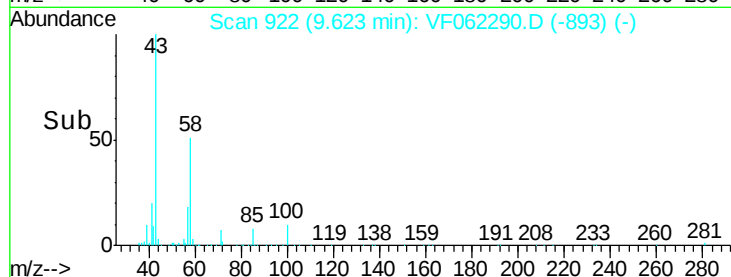
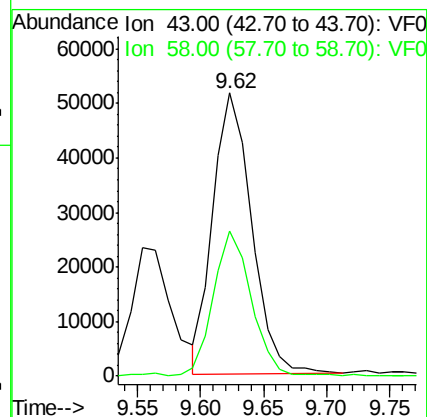
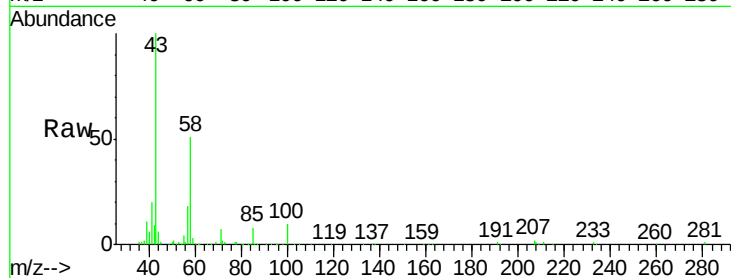




#59
2-Hexanone
Concen: 88.792 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

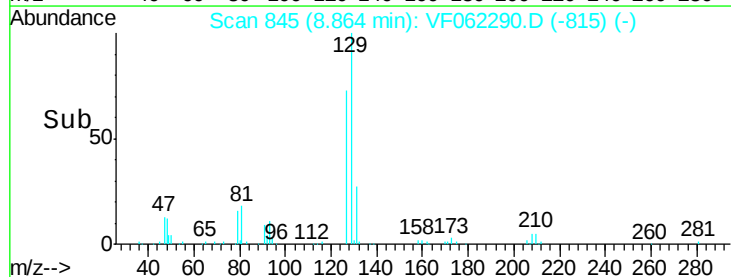
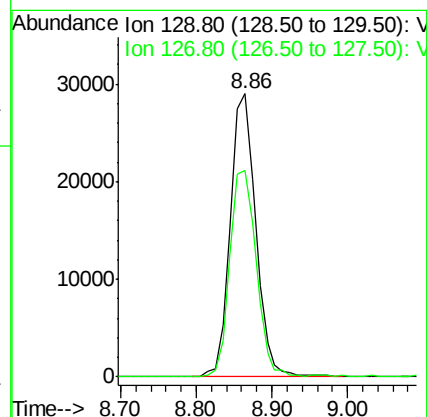
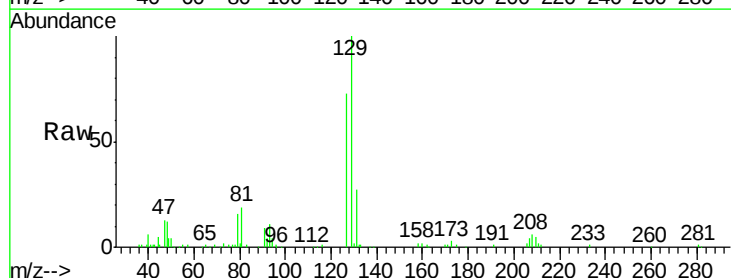
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

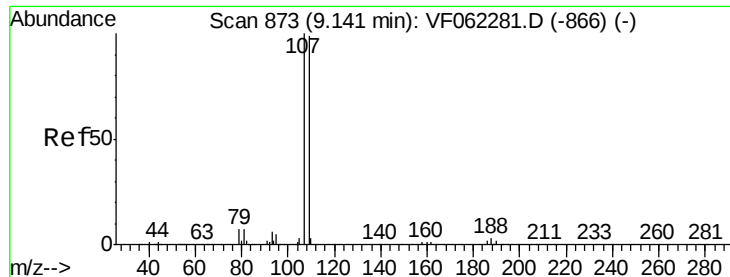
Tot Ion: 43 Resp: 109818
Ion Ratio Lower Upper
43 100
58 52.3 24.9 74.7



#60
Dibromochloromethane
Concen: 18.938 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

Tgt Ion: 129 Resp: 67439
Ion Ratio Lower Upper
129 100
127 75.8 38.8 116.4

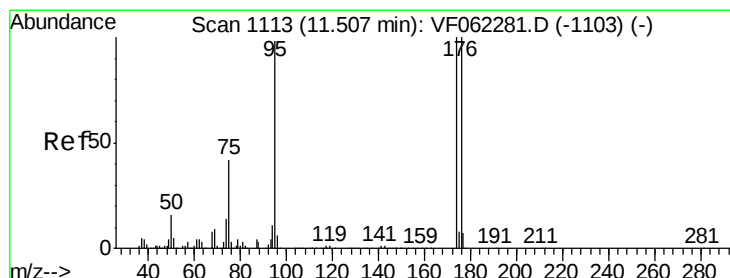
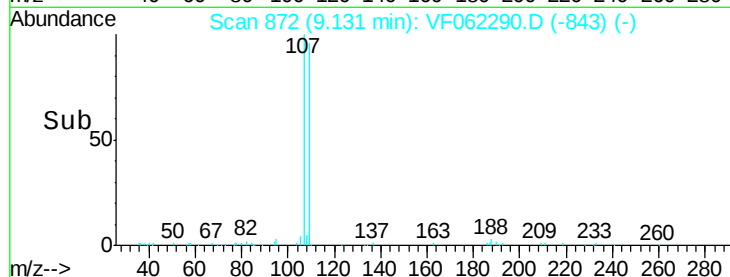
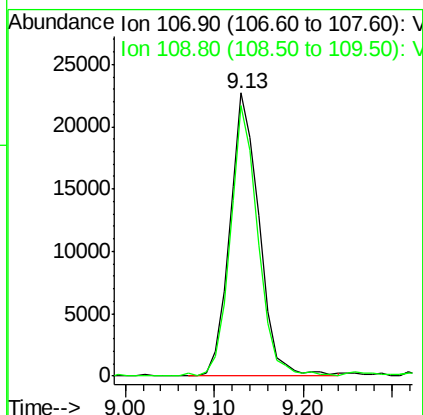
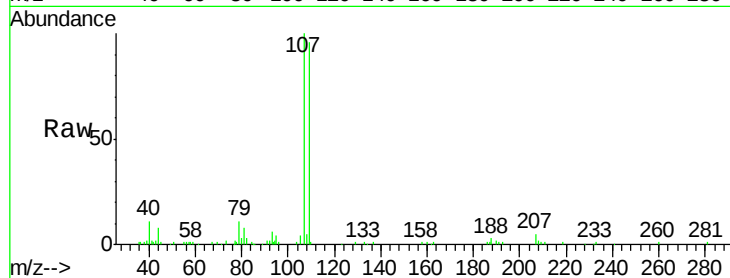




#61
 1,2-Dibromoethane
 Concen: 20.603 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

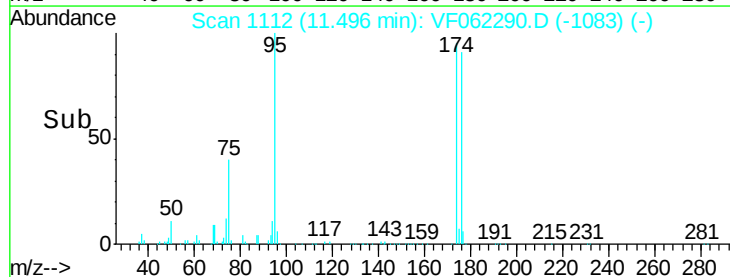
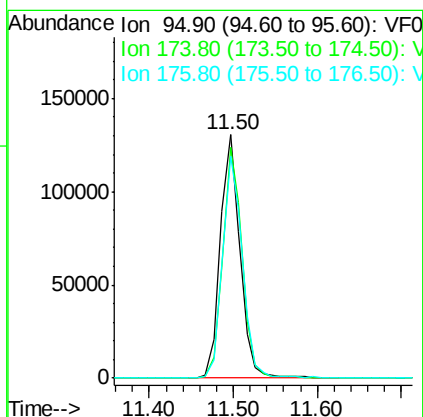
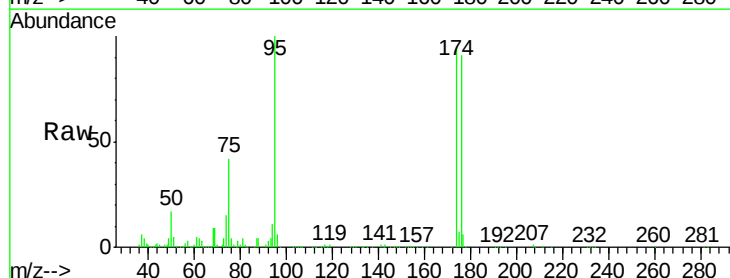
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

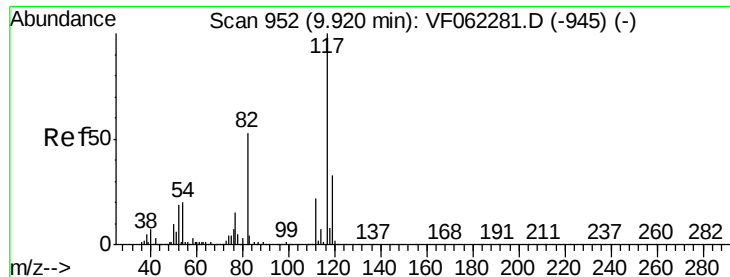
Tot Ion: 107 Resp: 52320
 Ion Ratio Lower Upper
 107 100
 109 90.6 78.7 118.1



#62
 4-Bromofluorobenzene
 Concen: 47.455 ug/l
 RT: 11.50 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

Tgt Ion: 95 Resp: 212776
 Ion Ratio Lower Upper
 95 100
 174 93.5 0.0 185.2
 176 91.8 0.0 184.8

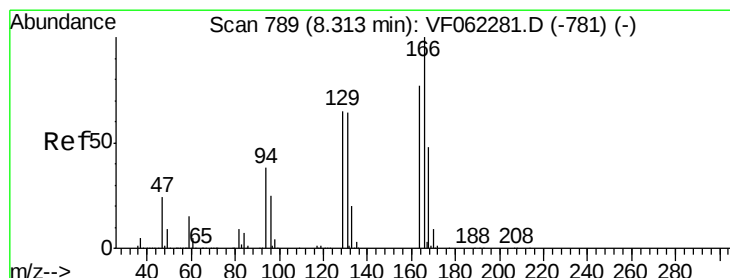
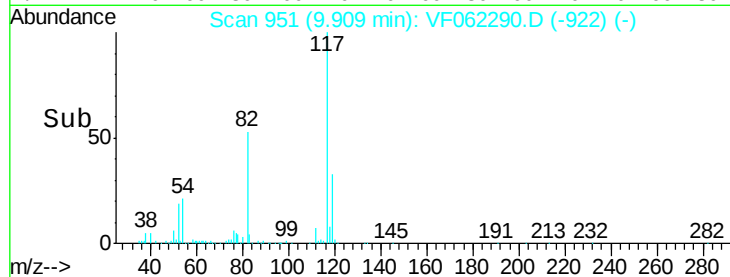
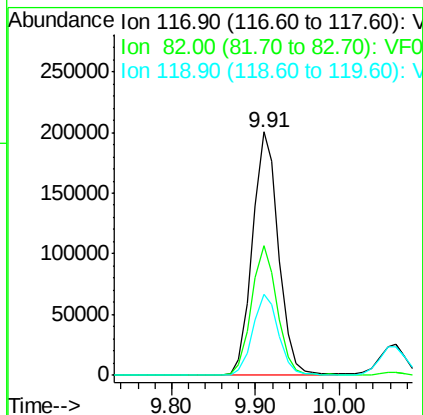
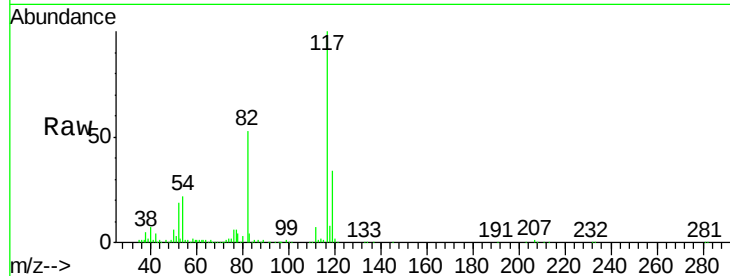




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

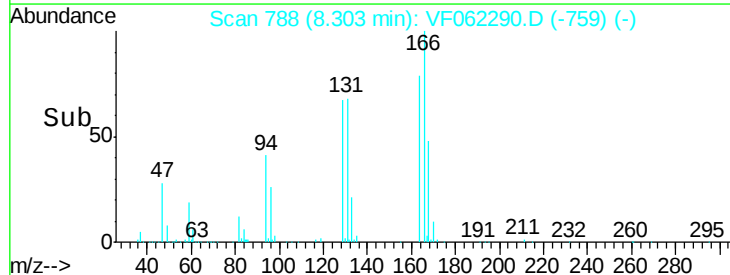
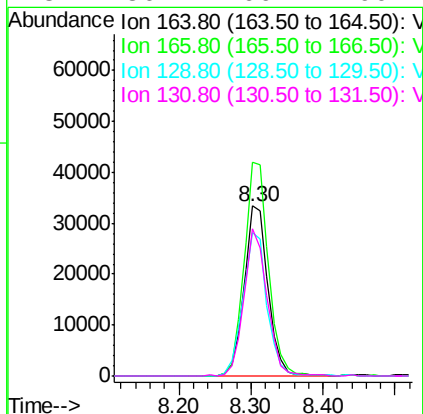
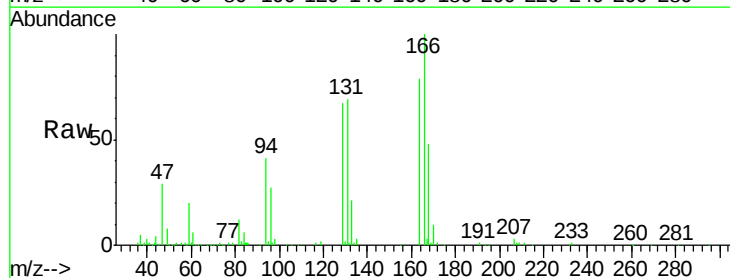
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

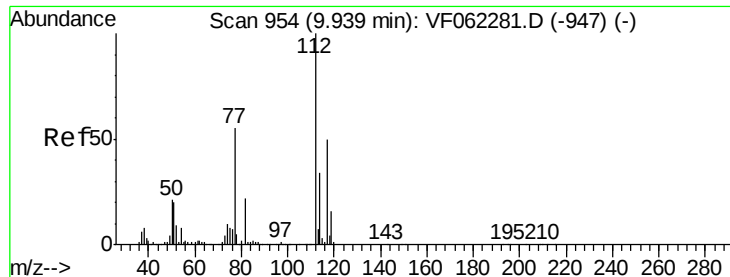
Tot Ion:117 Resp: 437532
Ion Ratio Lower Upper
117 100
82 53.1 42.6 64.0
119 33.5 26.1 39.1



#64
Tetrachloroethene
Concen: 21.081 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

Tgt Ion:164 Resp: 77147
Ion Ratio Lower Upper
164 100
166 125.9 103.5 155.3
129 84.4 67.6 101.4
131 86.4 66.1 99.1





#65

Chlorobenzene

Concen: 20.105 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

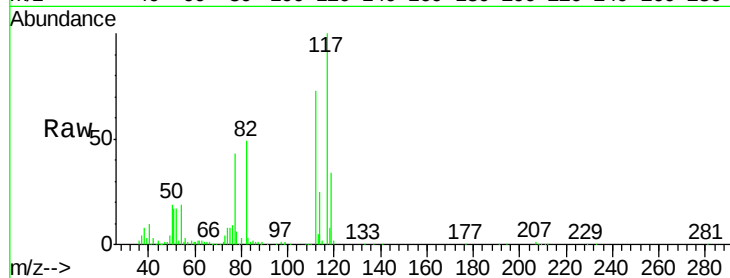
VF0425SBS01

Tot Ion:112 Resp: 160751

Ion Ratio Lower Upper

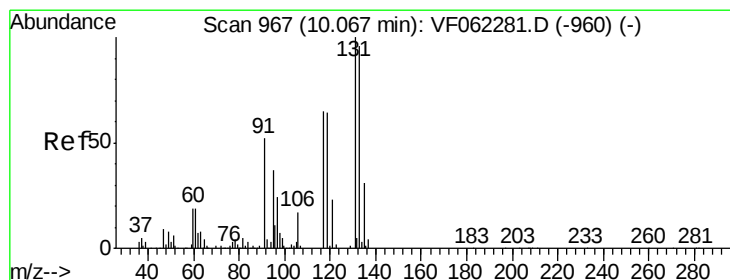
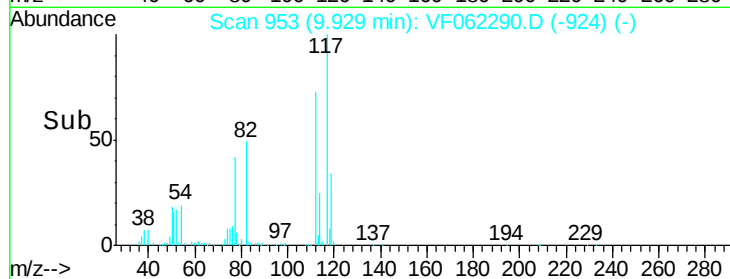
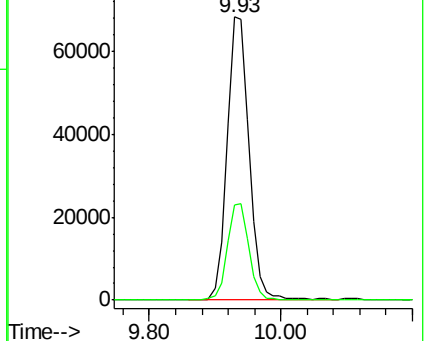
112 100

114 33.8 27.0 40.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.008 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

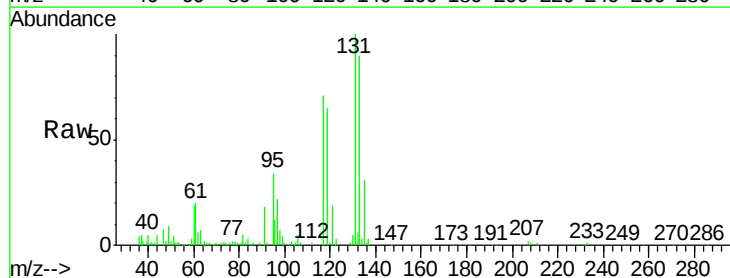
Tgt Ion:131 Resp: 82882

Ion Ratio Lower Upper

131 100

133 96.5 48.5 145.5

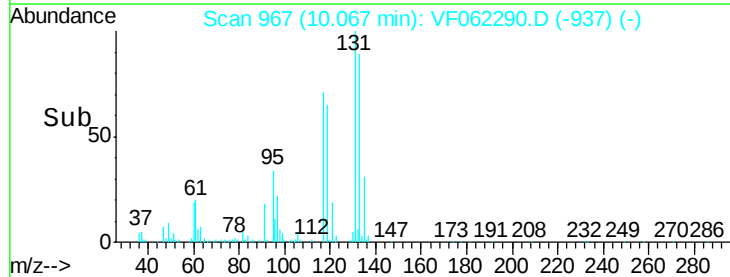
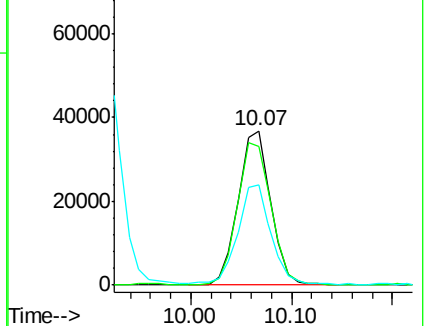
119 66.4 32.9 98.7

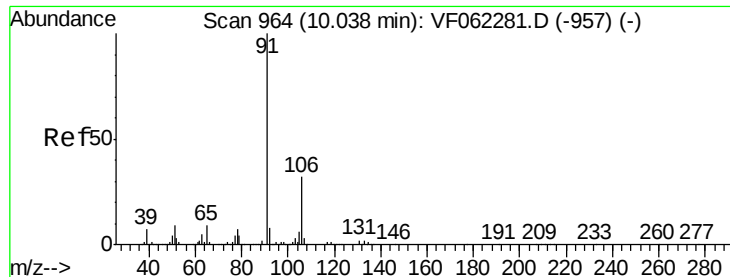


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.343 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

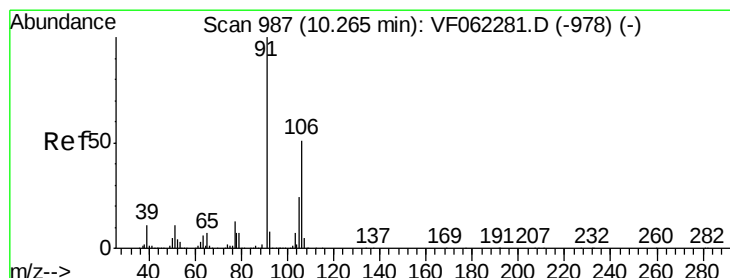
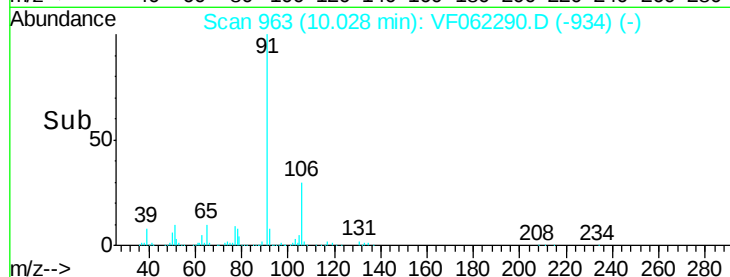
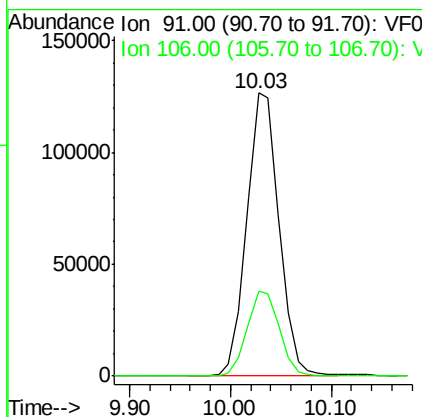
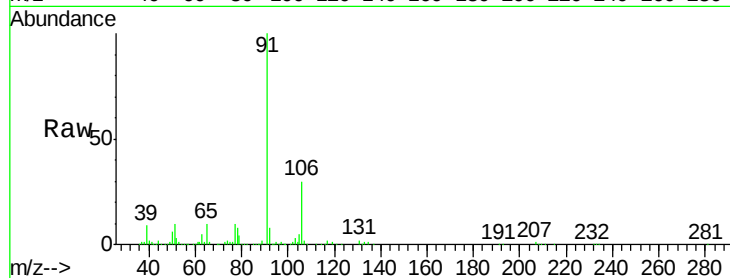
VF0425SBS01

Tot Ion: 91 Resp: 282764

Ion Ratio Lower Upper

91 100

106 29.8 25.6 38.4



#68

m/p-Xylenes

Concen: 39.983 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF062290.D

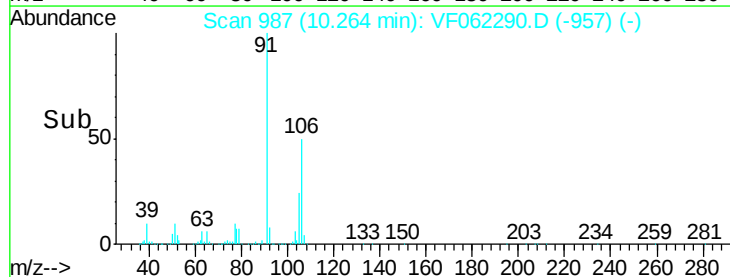
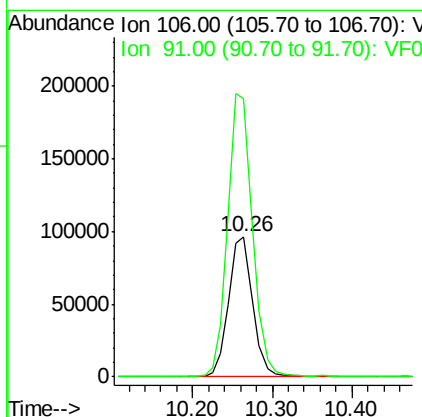
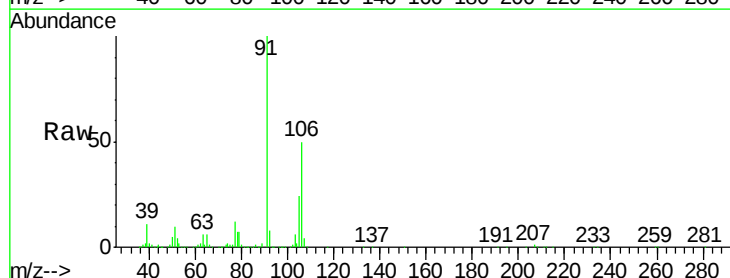
Acq: 25 Apr 2019 14:22

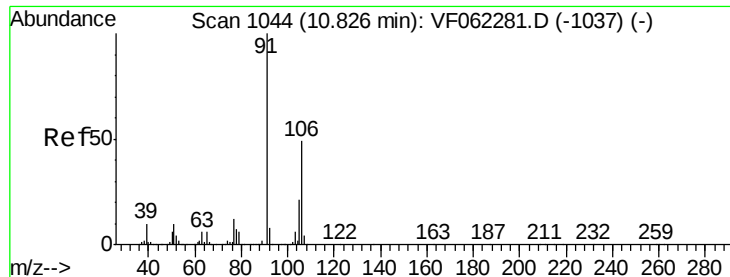
Tgt Ion: 106 Resp: 206915

Ion Ratio Lower Upper

106 100

91 206.8 158.3 237.5

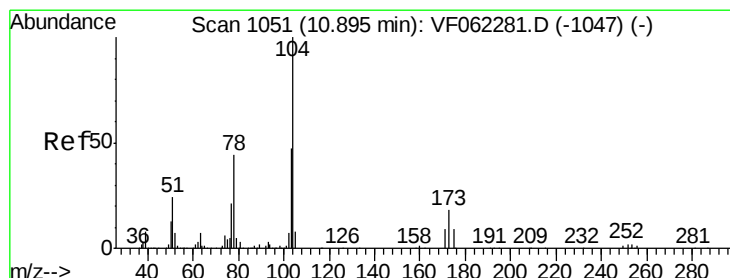
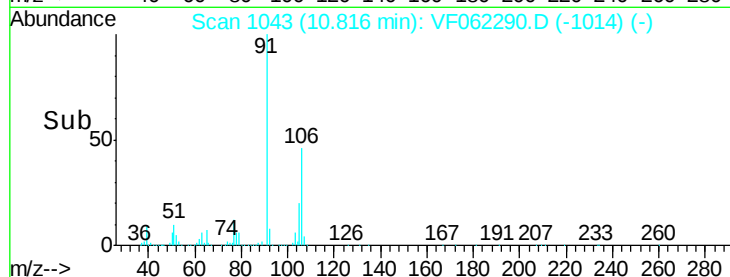
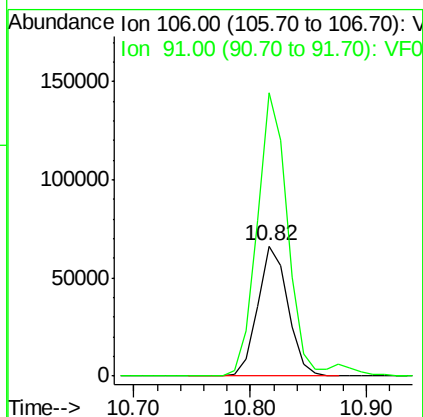
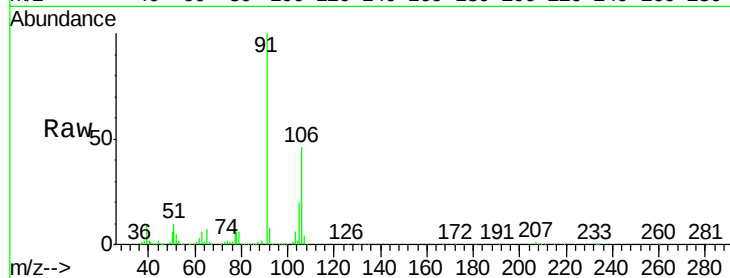




#69
o-Xylene
Concen: 20.521 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

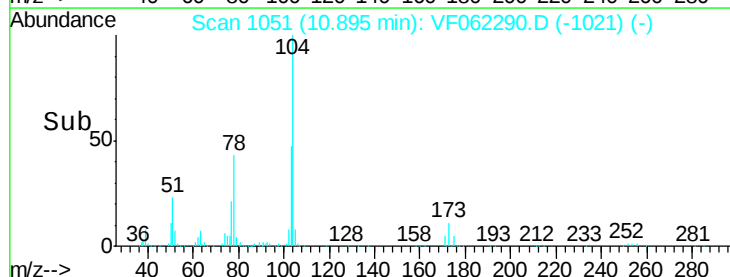
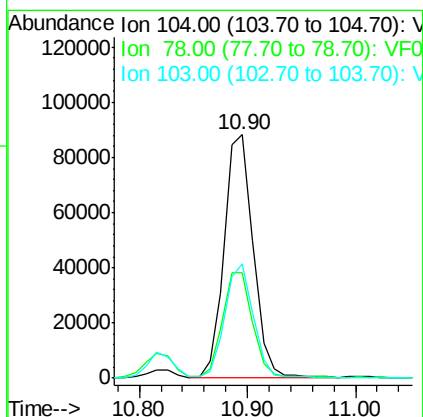
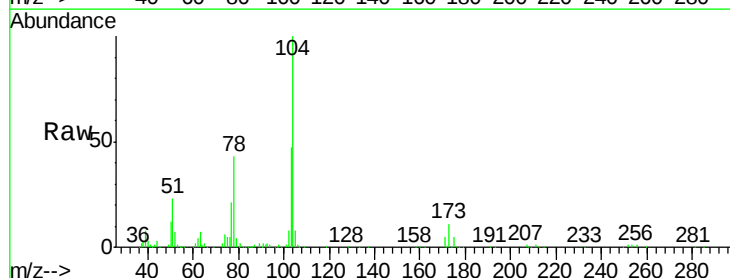
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

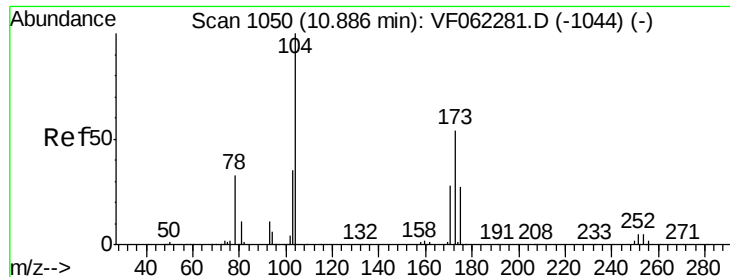
Tot Ion:106 Resp: 118648
Ion Ratio Lower Upper
106 100
91 219.2 110.0 330.0



#70
Styrene
Concen: 19.676 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

Tgt Ion:104 Resp: 164457
Ion Ratio Lower Upper
104 100
78 44.8 35.9 53.9
103 47.0 37.5 56.3





#71

Bromoform

Concen: 19.648 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

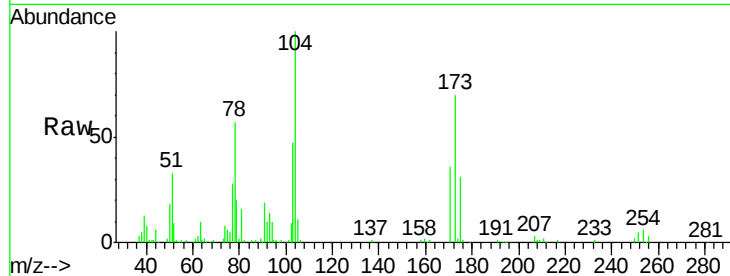
Tot Ion:173 Resp: 41651

Ion Ratio Lower Upper

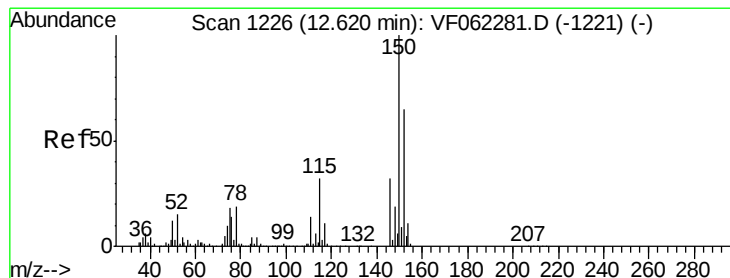
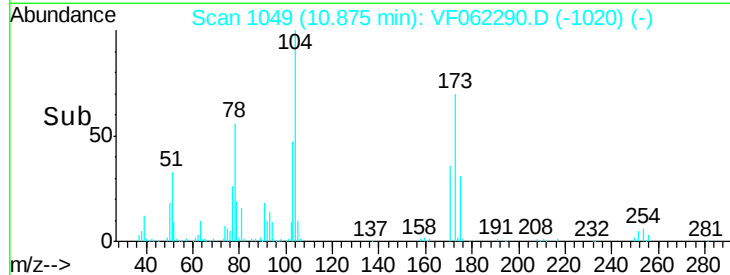
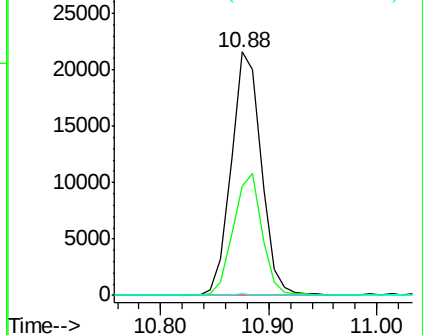
173 100

175 48.3 25.3 75.9

254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

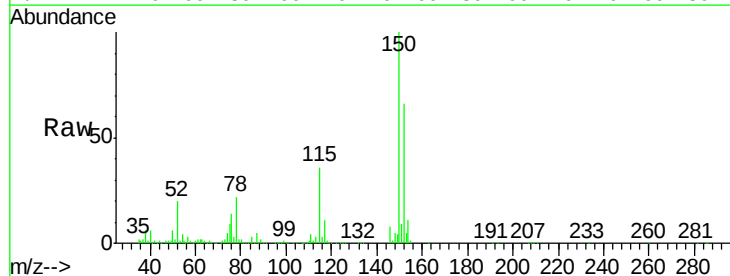
Tgt Ion:152 Resp: 252794

Ion Ratio Lower Upper

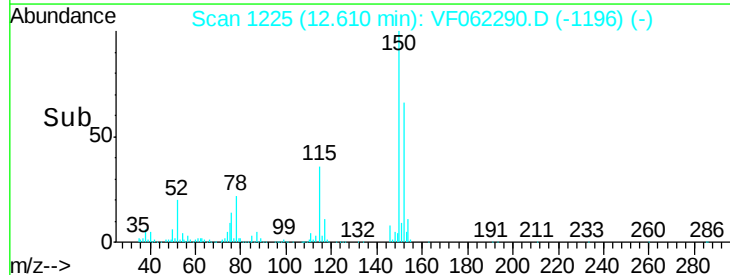
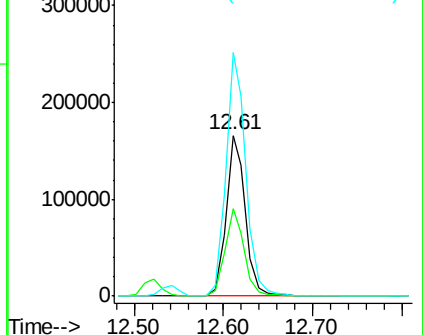
152 100

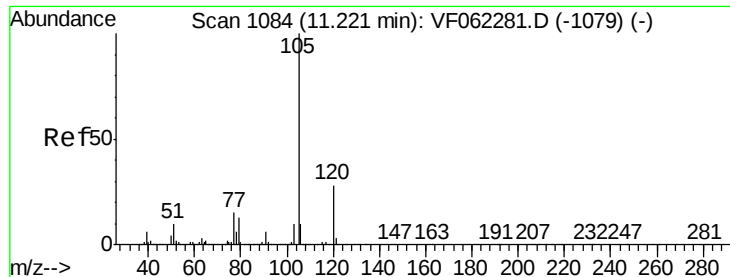
115 54.0 25.6 76.8

150 157.3 0.0 330.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.481 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

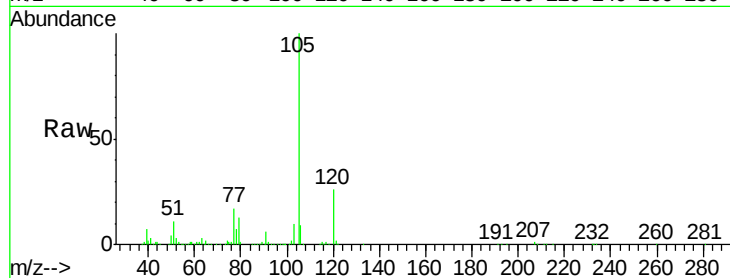
VF0425SBS01

Tot Ion:105 Resp: 354728

Ion Ratio Lower Upper

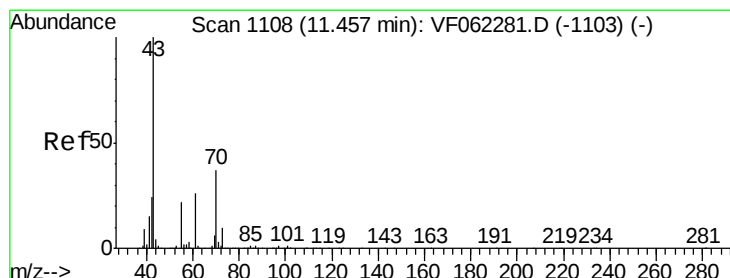
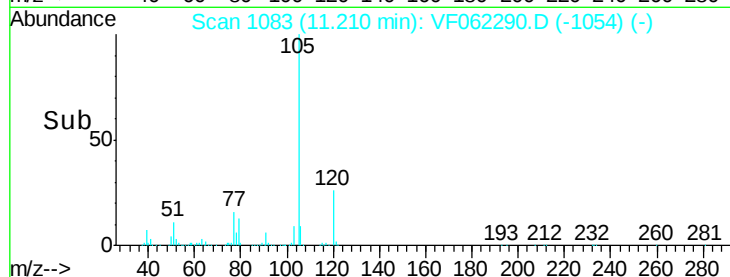
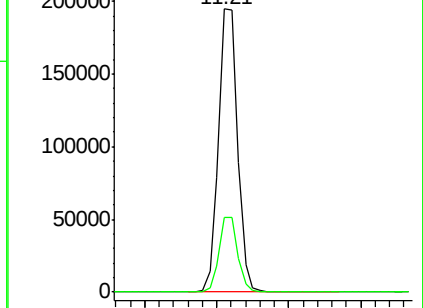
105 100

120 25.7 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.781 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Tgt Ion: 43 Resp: 66970

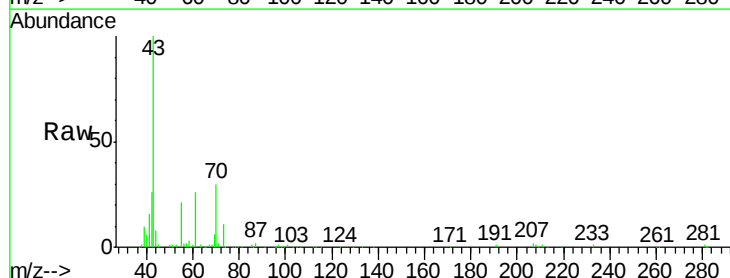
Ion Ratio Lower Upper

43 100

70 36.2 27.8 41.8

55 23.9 16.6 24.8

61 26.2 20.0 30.0

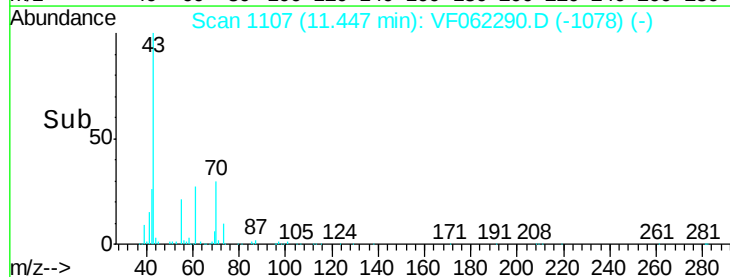
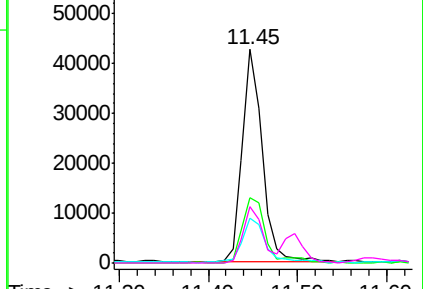


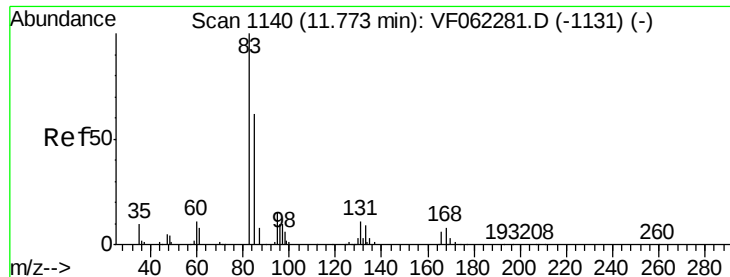
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.034 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

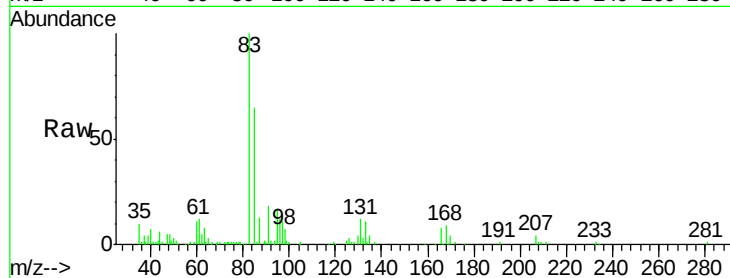
Tot Ion: 83 Resp: 52376

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.5

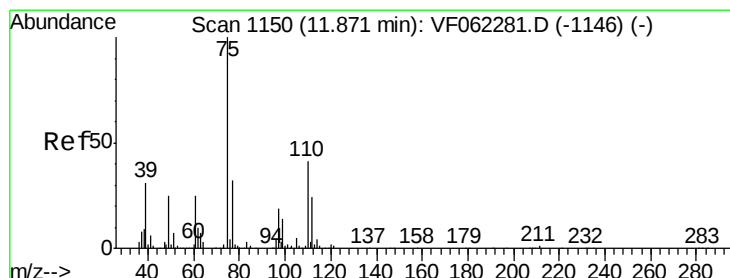
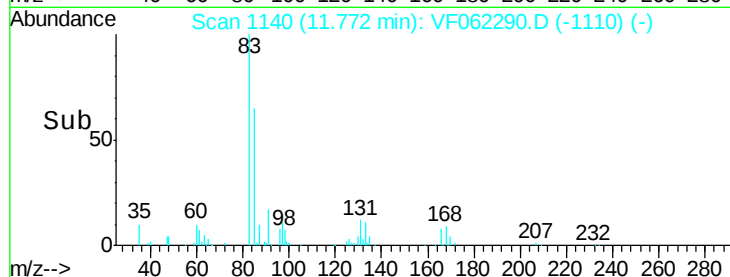
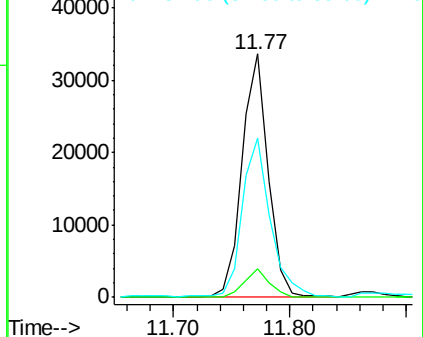
85 71.4 34.5 103.6



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 19.802 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VF062290.D

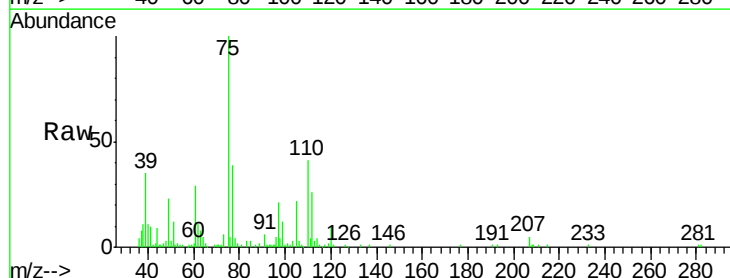
Acq: 25 Apr 2019 14:22

Tgt Ion: 75 Resp: 38661

Ion Ratio Lower Upper

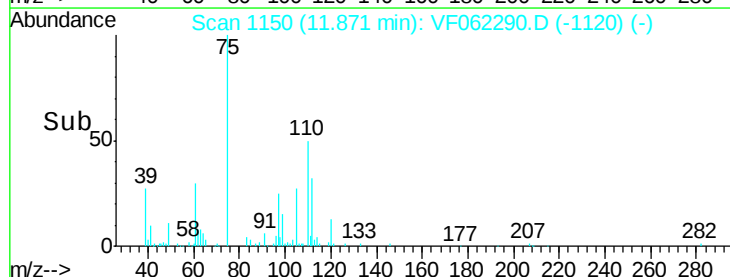
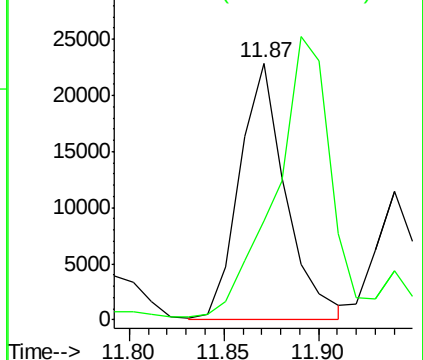
75 100

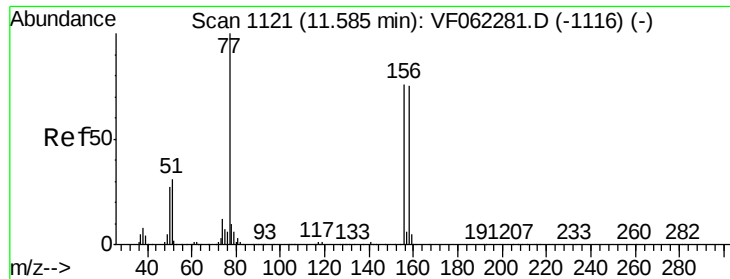
77 131.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 19.750 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

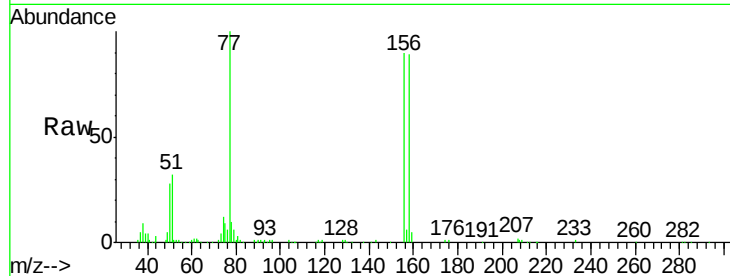
Tot Ion:156 Resp: 85513

Ion Ratio Lower Upper

156 100

77 129.3 67.3 201.9

158 95.9 49.5 148.5

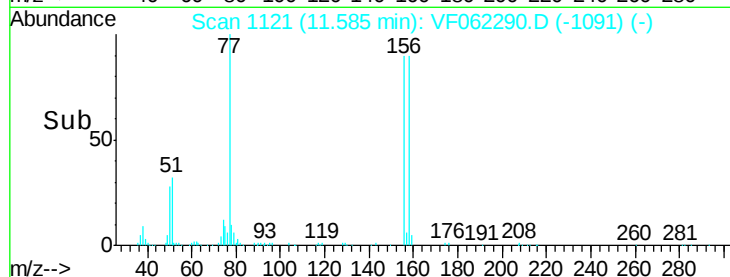


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V

Time-->



Time-->

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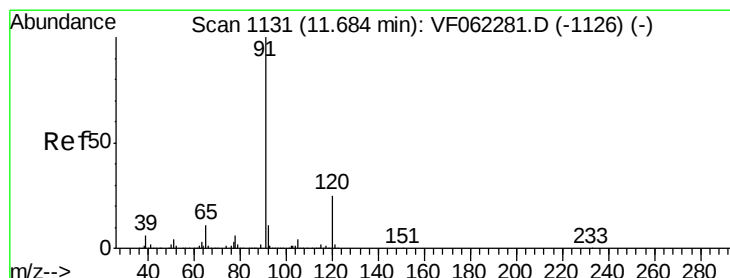
11.59

11.59

11.59

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11.59



#78

n-propylbenzene

Concen: 20.210 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062290.D

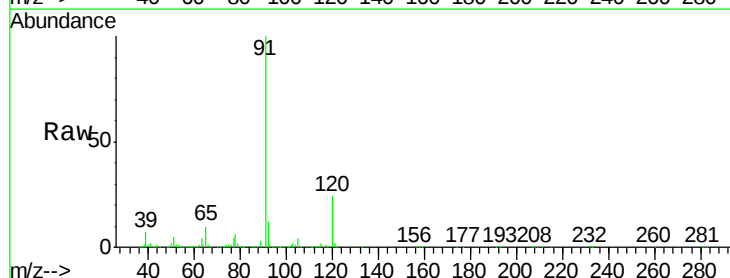
Acq: 25 Apr 2019 14:22

Tgt Ion: 91 Resp: 368312

Ion Ratio Lower Upper

91 100

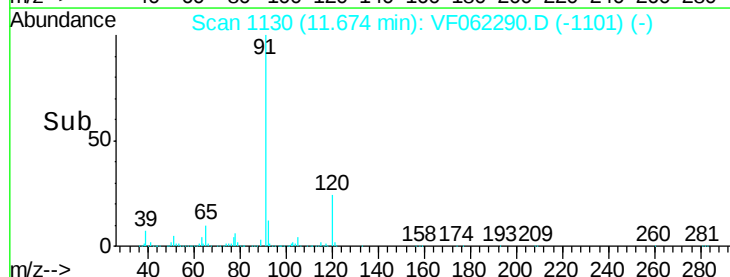
120 22.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

Time-->



Time-->

11.67

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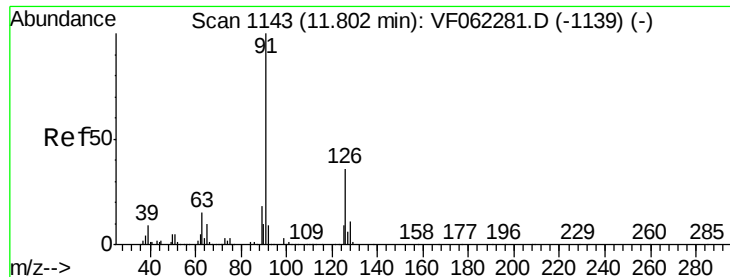
11.67

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11.67



#79

2-Chlorotoluene

Concen: 20.805 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

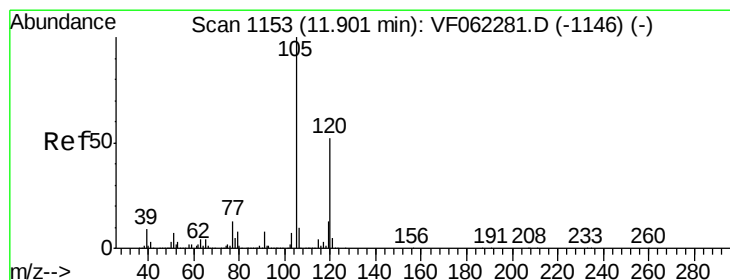
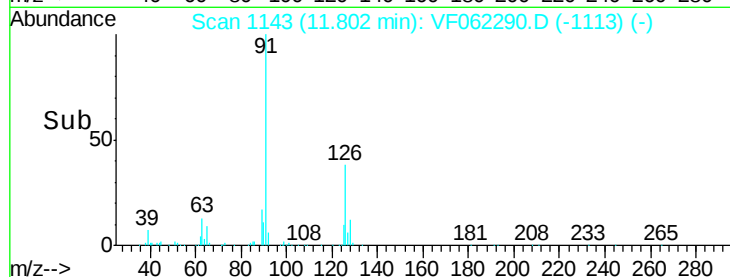
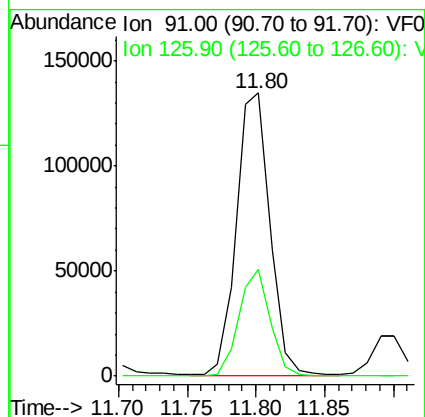
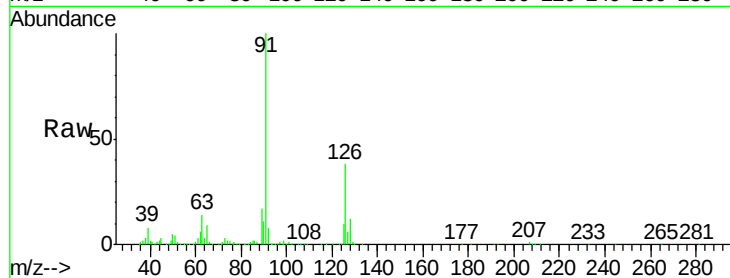
VF0425SBS01

Tot Ion: 91 Resp: 228380

Ion Ratio Lower Upper

91 100

126 35.6 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 21.276 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF062290.D

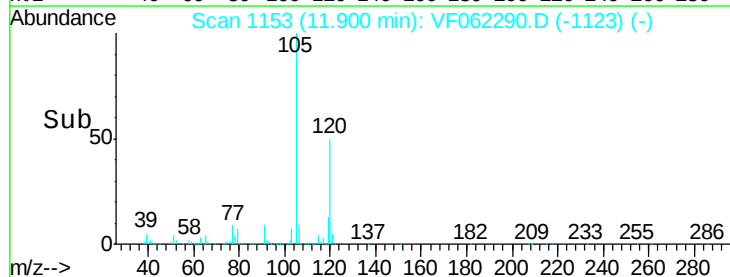
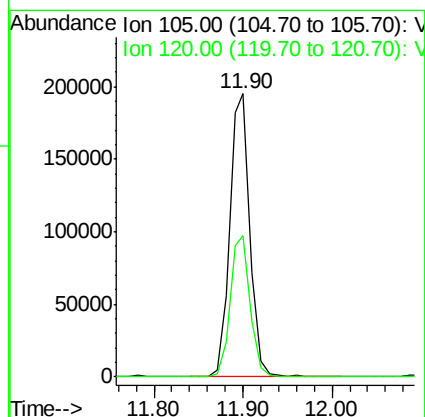
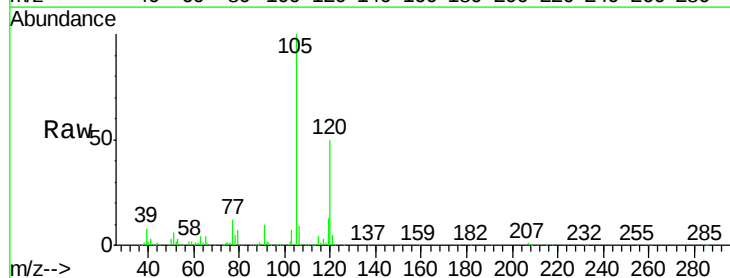
Acq: 25 Apr 2019 14:22

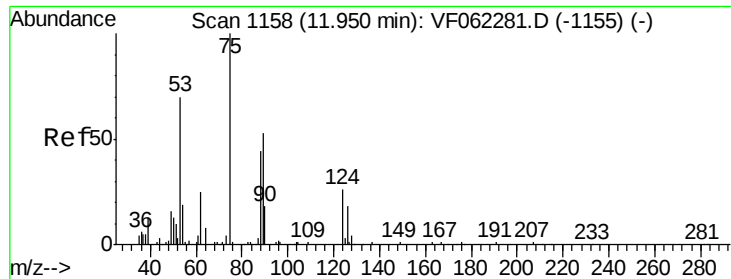
Tgt Ion:105 Resp: 311096

Ion Ratio Lower Upper

105 100

120 50.0 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.007 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

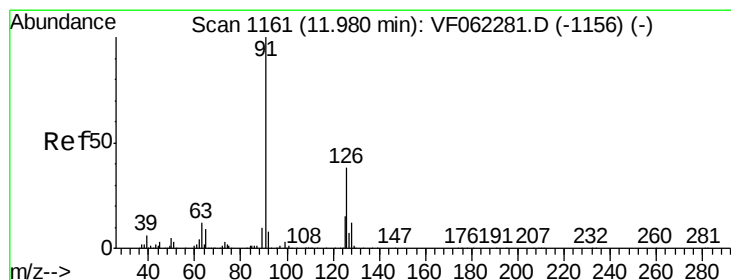
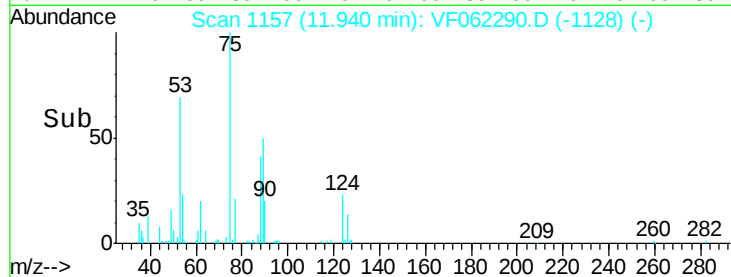
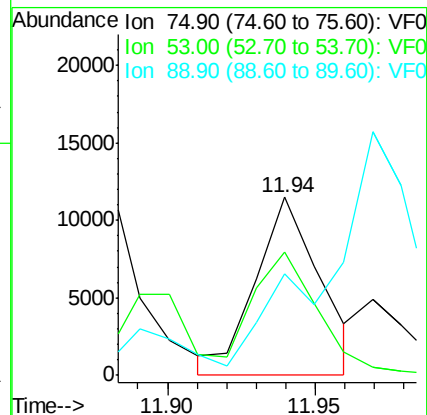
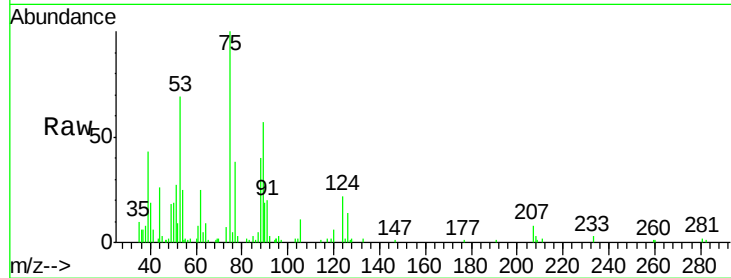
Tot Ion: 75 Resp: 17460

Ion Ratio Lower Upper

75 100

53 71.7 67.1 100.7

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 20.307 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VF062290.D

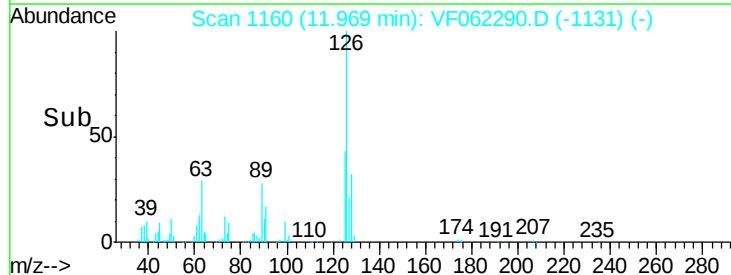
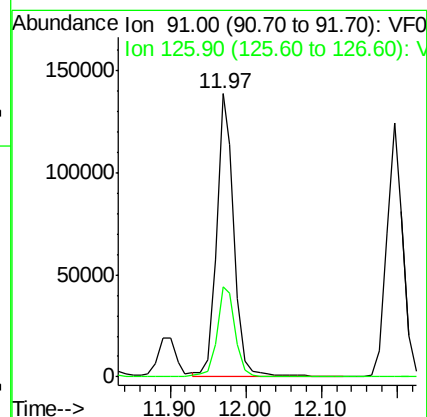
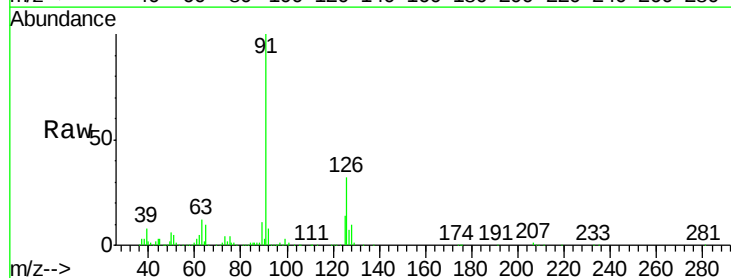
Acq: 25 Apr 2019 14:22

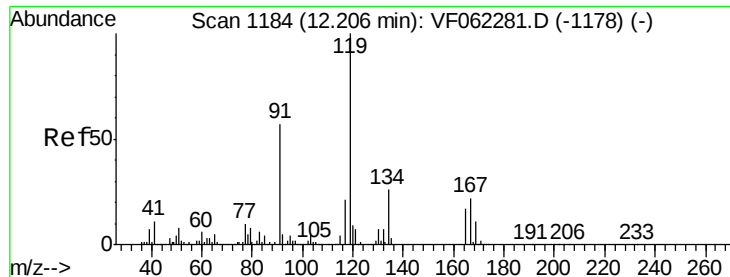
Tgt Ion: 91 Resp: 220582

Ion Ratio Lower Upper

91 100

126 34.5 17.3 52.0





#83

tert-Butylbenzene

Concen: 21.179 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

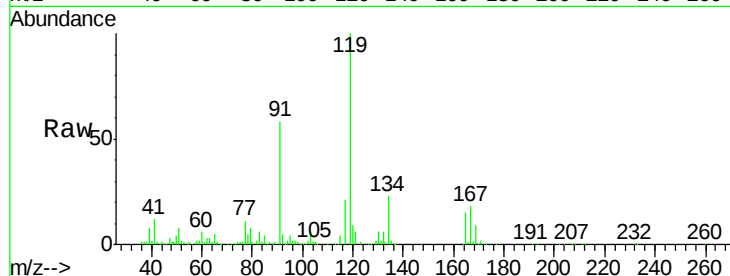
Tot Ion:119 Resp: 317808

Ion Ratio Lower Upper

119 100

91 58.3 29.4 88.2

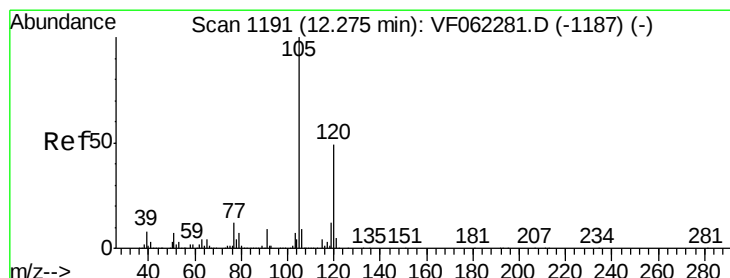
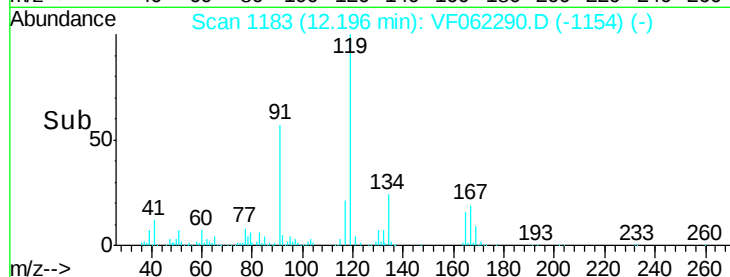
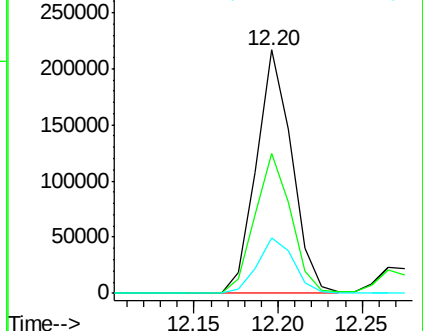
134 23.5 11.9 35.7



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: 20.832 ug/l

RT: 12.27 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062290.D

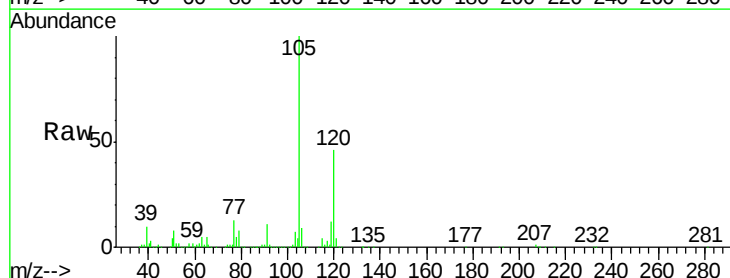
Acq: 25 Apr 2019 14:22

Tgt Ion:105 Resp: 295011

Ion Ratio Lower Upper

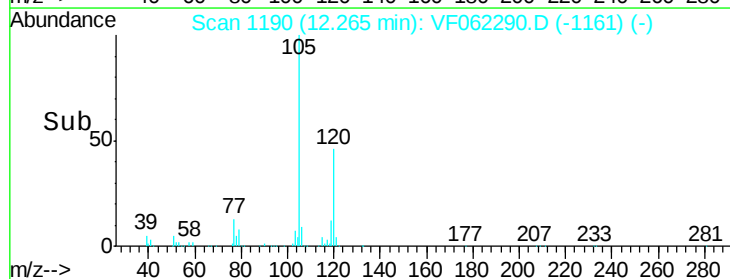
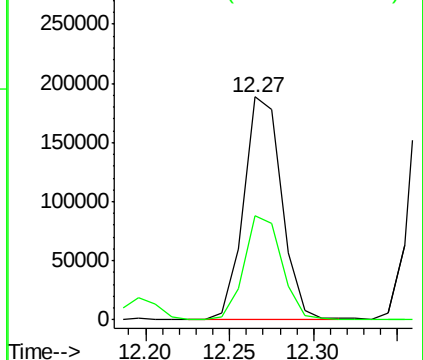
105 100

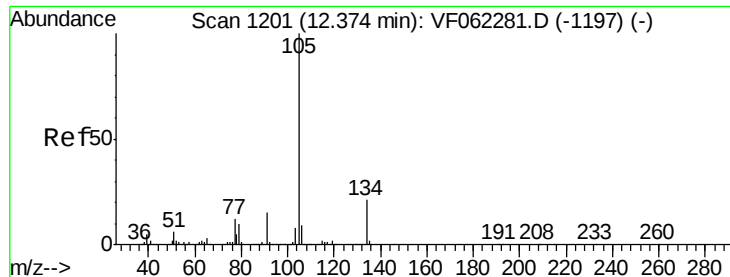
120 46.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

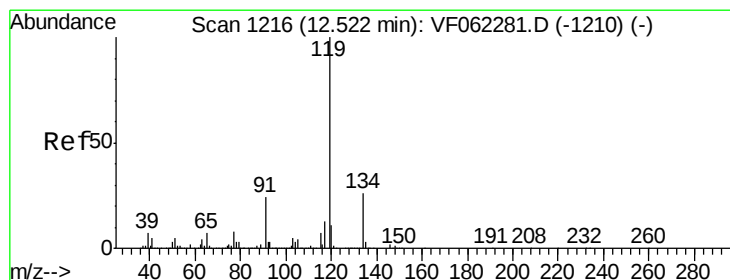
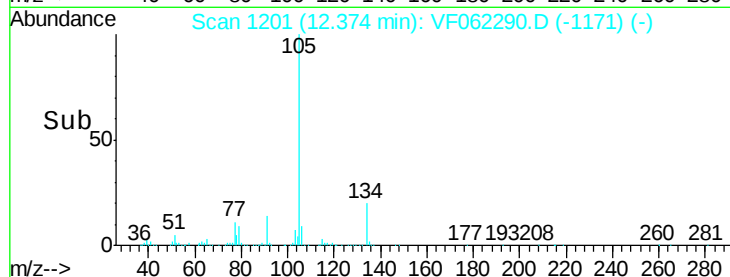
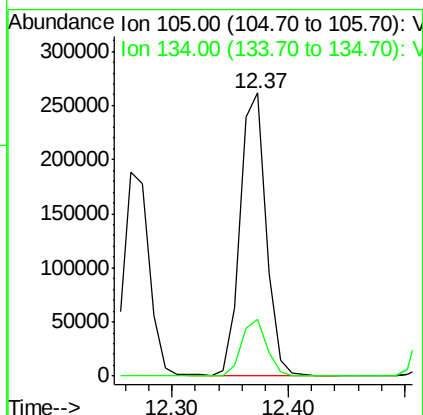
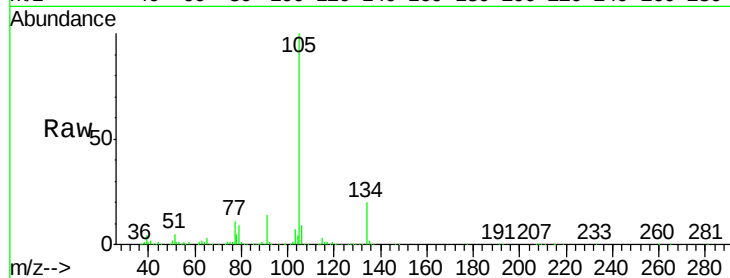




#85
 sec-Butylbenzene
 Concen: 21.732 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

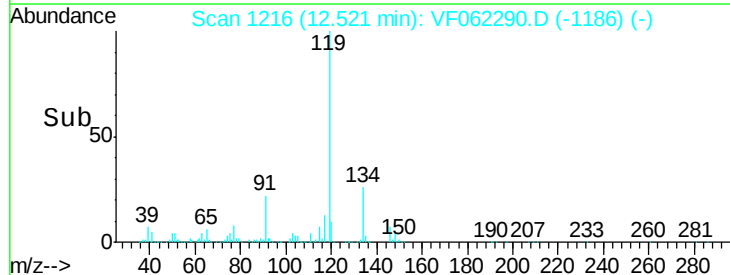
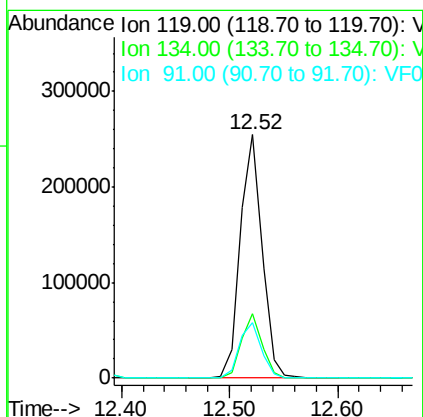
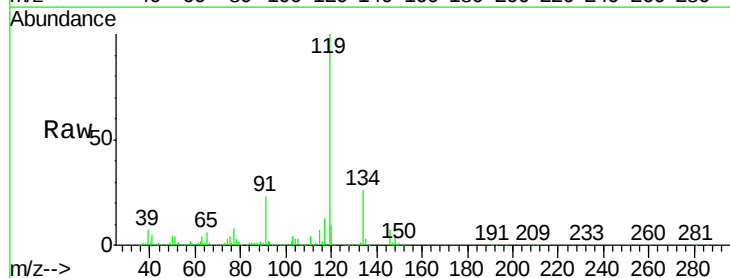
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

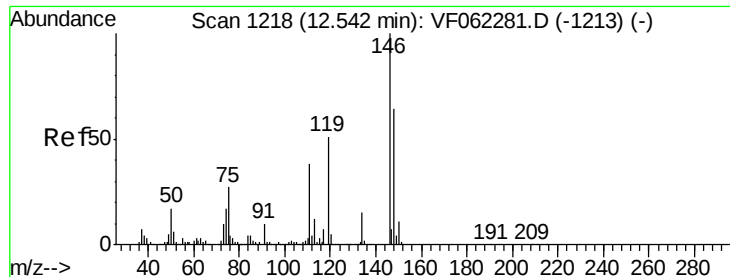
Tot Ion:105 Resp: 406162
 Ion Ratio Lower Upper
 105 100
 134 19.5 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 21.238 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

Tgt Ion:119 Resp: 355874
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.2 39.5
 91 23.4 11.6 34.7

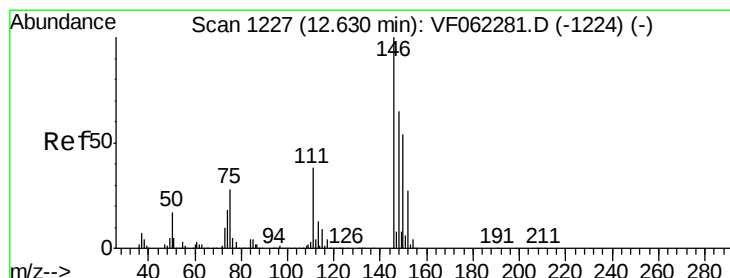
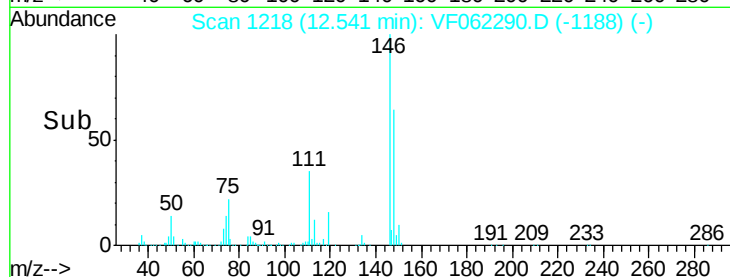
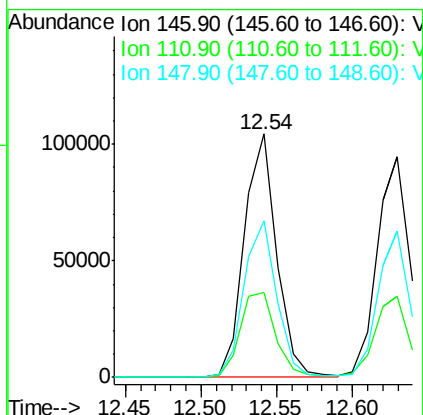
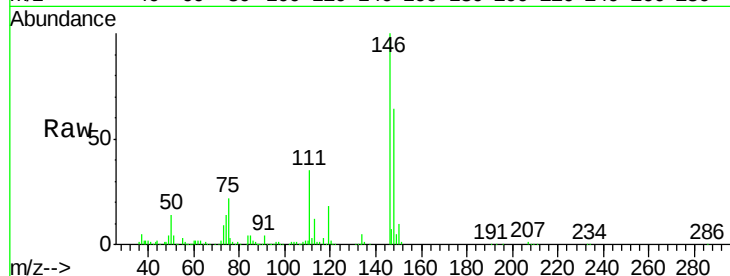




#87
 1,3-Dichlorobenzene
 Concen: 20.346 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

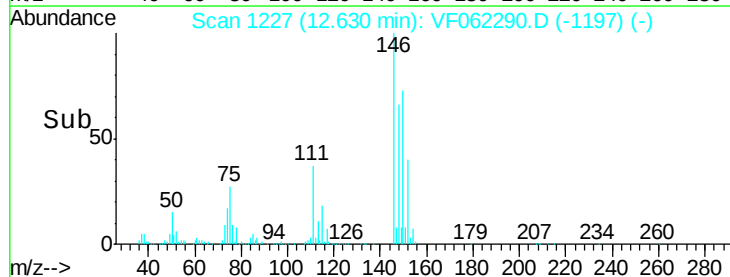
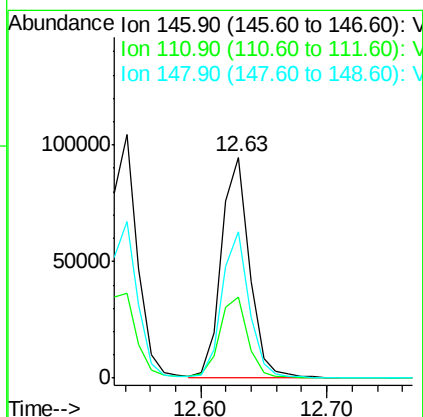
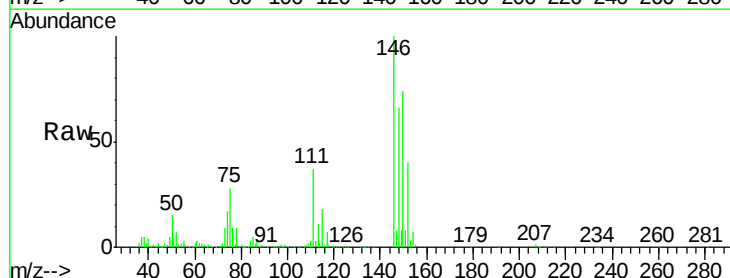
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

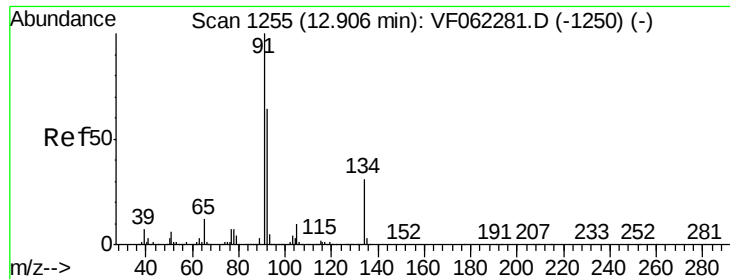
Tot Ion:146 Resp: 155855
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.6 55.8
 148 65.3 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 20.079 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

Tgt Ion:146 Resp: 145833
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 56.0
 148 65.4 32.5 97.5

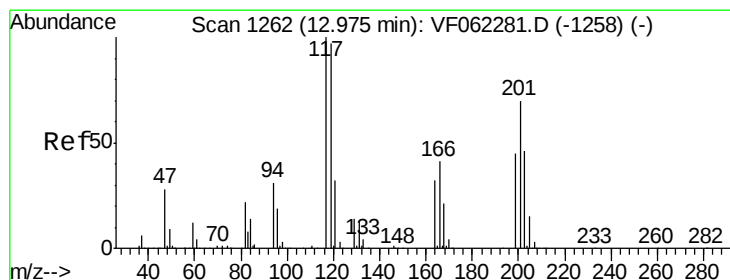
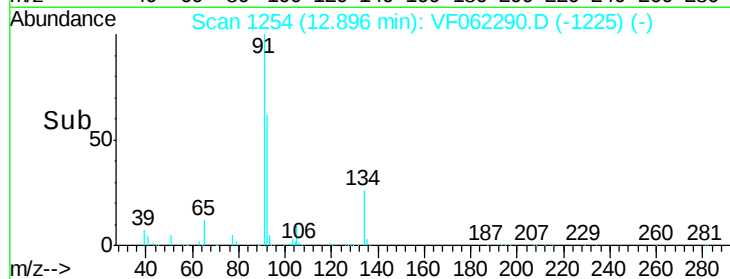
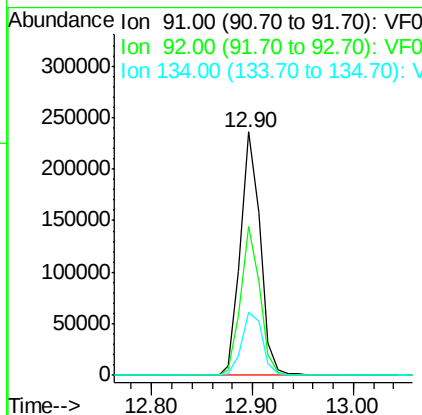
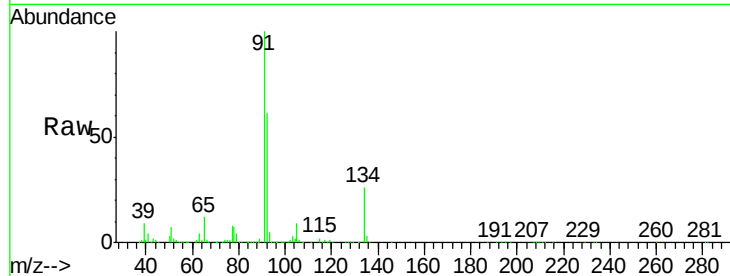




#89
n-Butylbenzene
Concen: 21.218 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

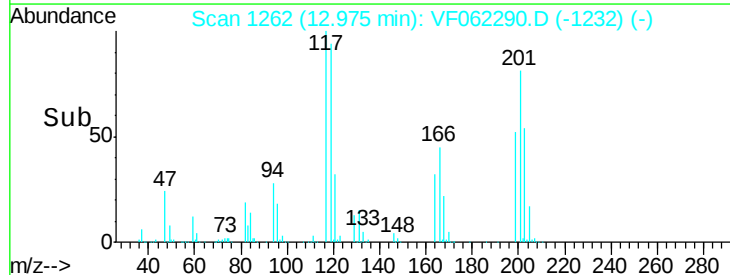
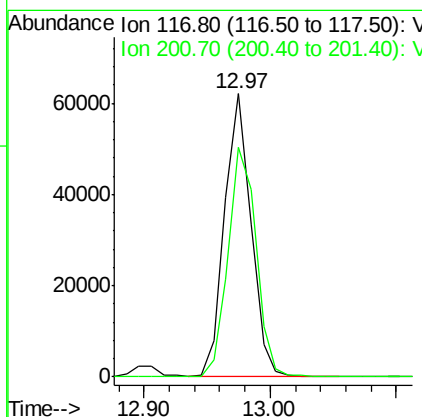
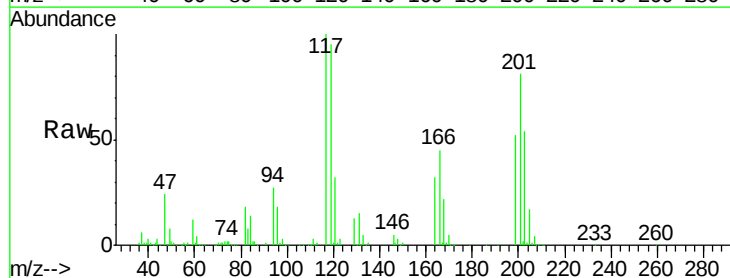
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

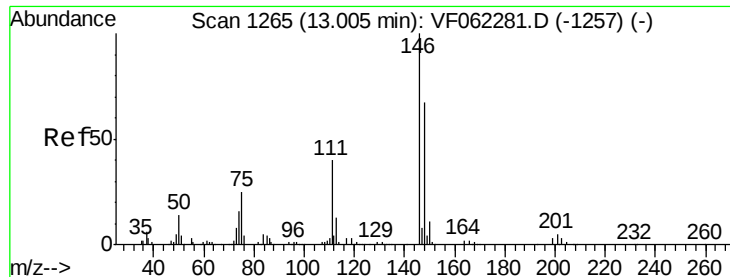
Tot Ion: 91 Resp: 323053
Ion Ratio Lower Upper
91 100
92 59.3 31.1 93.3
134 27.0 14.4 43.4



#90
Hexachloroethane
Concen: 21.457 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VF062290.D
Acq: 25 Apr 2019 14:22

Tgt Ion: 117 Resp: 90125
Ion Ratio Lower Upper
117 100
201 86.0 42.9 128.5

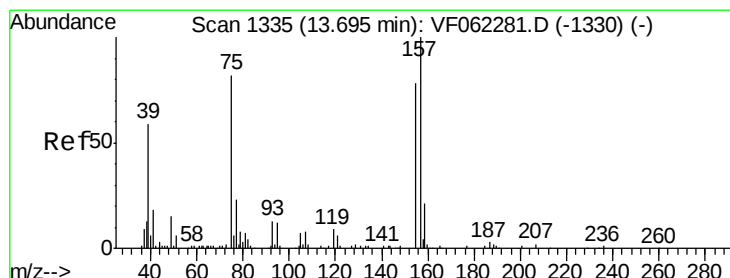
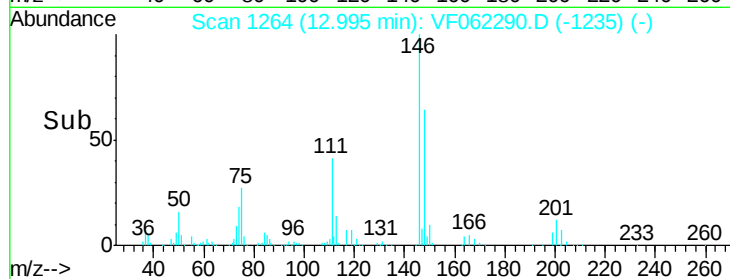
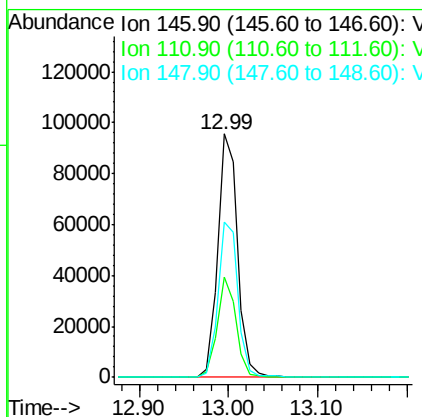
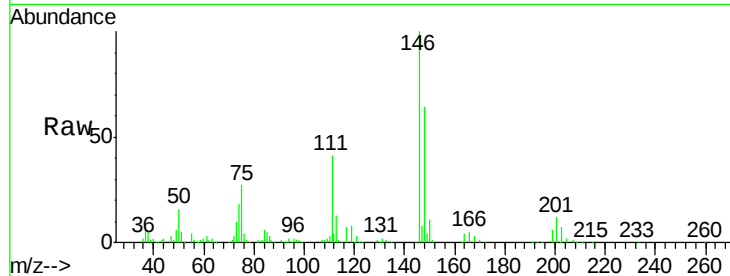




#91
 1,2-Dichlorobenzene
 Concen: 20.375 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

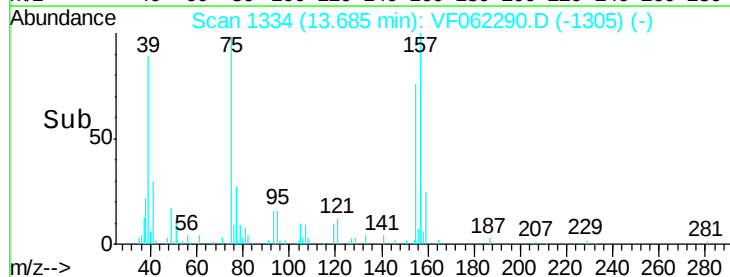
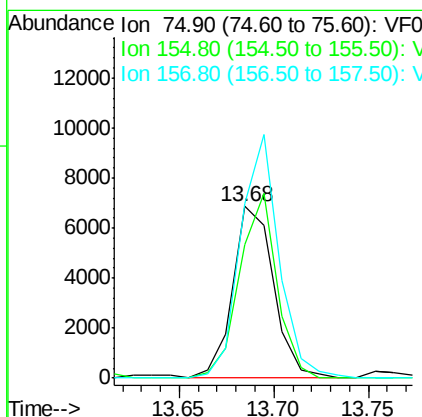
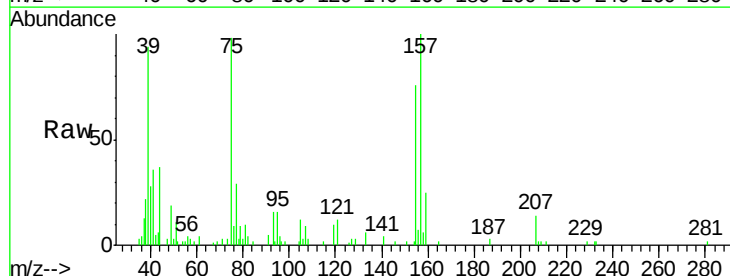
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

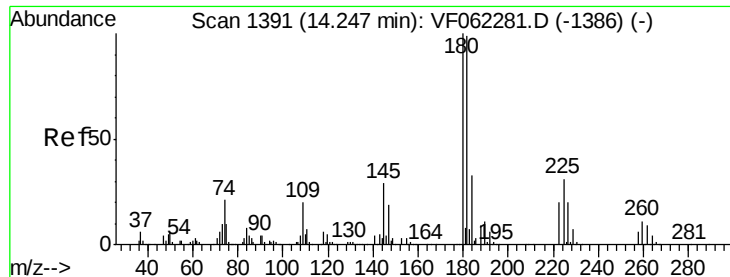
Tot Ion:146 Resp: 149818
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.0 59.9
 148 64.2 33.1 99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.546 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

Tgt Ion: 75 Resp: 10295
 Ion Ratio Lower Upper
 75 100
 155 97.8 51.7 155.2
 157 133.2 64.5 193.5

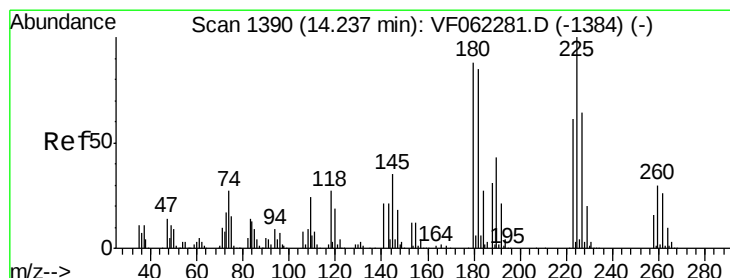
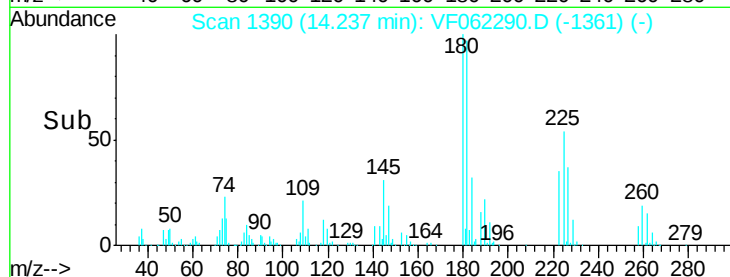
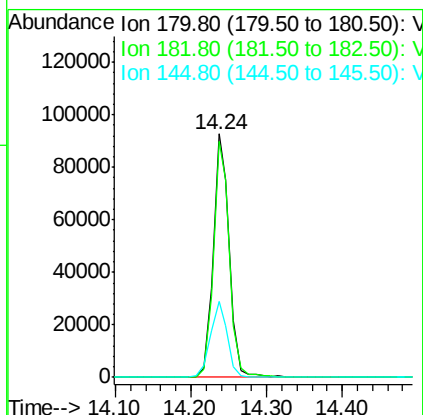
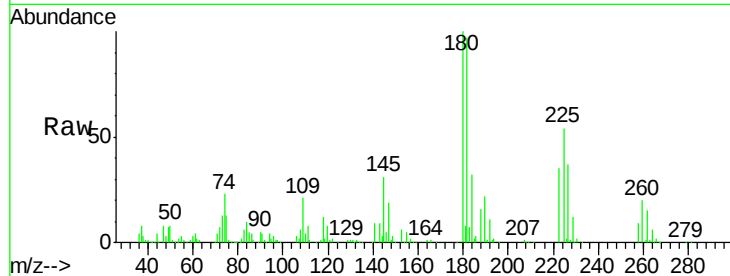




#93
 1,2,4-Trichlorobenzene
 Concen: 21.478 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

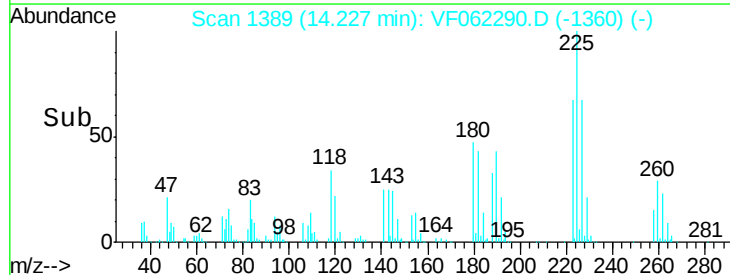
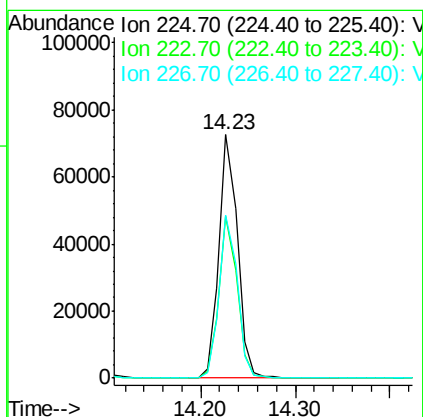
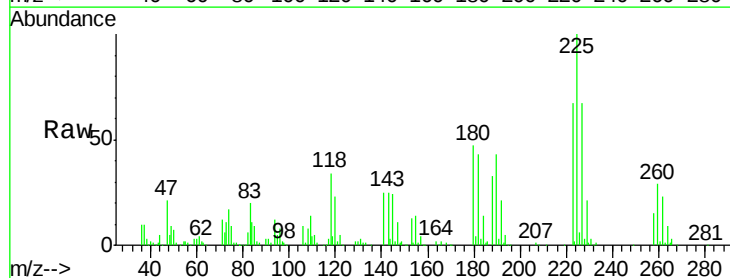
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

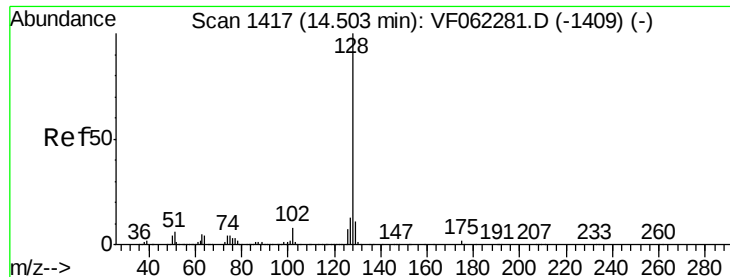
Tot Ion:180 Resp: 138741
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.5 145.6
 145 32.8 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 21.299 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062290.D
 Acq: 25 Apr 2019 14:22

Tgt Ion:225 Resp: 98947
 Ion Ratio Lower Upper
 225 100
 223 64.9 30.8 92.3
 227 66.0 31.9 95.5





#95

Naphthalene

Concen: 19.484 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

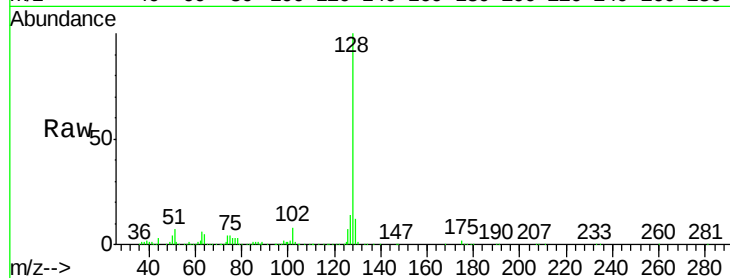
Tot Ion:128 Resp: 194992

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

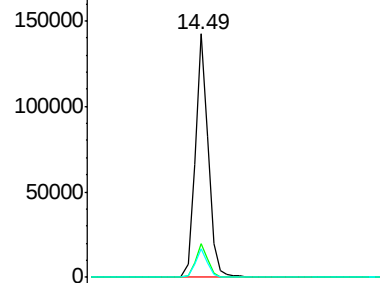
129 10.9 8.9 13.3



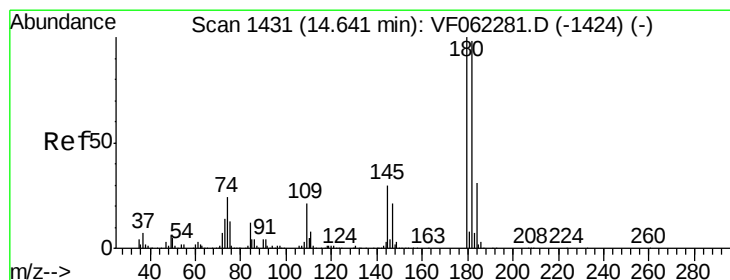
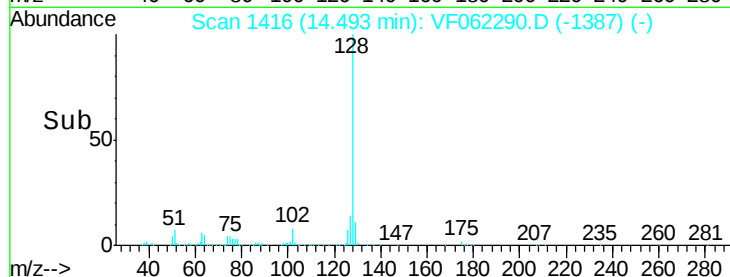
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 21.274 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VF062290.D

Acq: 25 Apr 2019 14:22

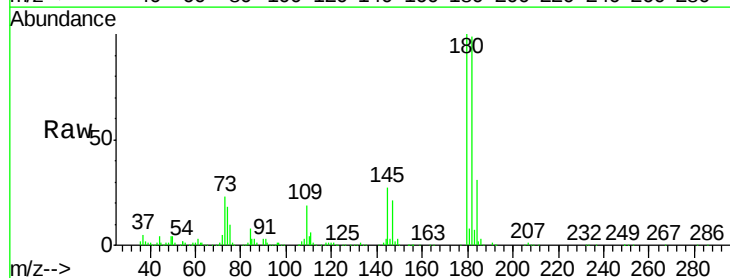
Tgt Ion:180 Resp: 129975

Ion Ratio Lower Upper

180 100

182 98.1 49.0 147.2

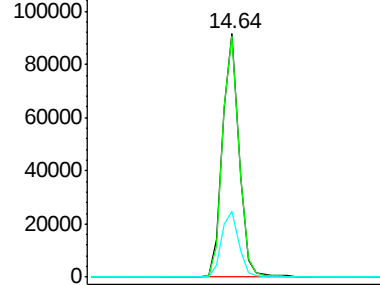
145 27.8 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

