

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\
 Data File : VF062316.D
 Acq On : 29 Apr 2019 16:51
 Operator : FY/SY
 Sample : VF0429SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 30 03:47:07 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	5.03	168	354799	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.76	114	458868	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	385836	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.60	152	238748	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	156208	54.35	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.70%	
35) Dibromofluoromethane	4.29	113	180247	52.98	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	7.70	98	422583	50.85	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.48	95	185982	54.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	91495	21.700	ug/l	100
3) Chloromethane	1.13	50	62549	17.610	ug/l	96
4) Vinyl Chloride	1.18	62	60897	18.102	ug/l	96
5) Bromomethane	1.37	94	45884	20.085	ug/l	97
6) Chloroethane	1.43	64	28022	19.002	ug/l	89
7) Trichlorofluoromethane	1.54	101	115582	21.622	ug/l	91
8) Diethyl Ether	1.70	74	17028	17.583	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.90	101	66430	19.802	ug/l	95
10) Methyl Iodide	1.97	142	121254	20.678	ug/l	97
11) Tert butyl alcohol	2.69	59	17597	101.221	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	55760	18.629	ug/l	84
13) Acrolein	2.09	56	13634	89.139	ug/l	85
14) Allyl chloride	2.18	41	88180	27.069	ug/l #	56
15) Acrylonitrile	3.07	53	38181	79.296	ug/l	94
16) Acetone	2.33	43	61933	96.250	ug/l	92
17) Carbon Disulfide	1.91	76	134230	17.039	ug/l #	92
18) Methyl Acetate	2.45	43	23687	17.873	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	110712	19.401	ug/l	99
20) Methylene Chloride	2.32	84	36015	8.757	ug/l	83
21) trans-1,2-Dichloroethene	2.41	96	55201	18.661	ug/l	90
22) Diisopropyl ether	2.92	45	156716	17.870	ug/l	95
23) Vinyl Acetate	3.33	43	341582	87.837	ug/l	99
24) 1,1-Dichloroethane	2.99	63	94706	18.921	ug/l	97
25) 2-Butanone	4.51	43	88742	86.978	ug/l	98
26) 2,2-Dichloropropane	3.75	77	55995	21.542	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	65598	17.511	ug/l	98
28) Bromochloromethane	3.88	49	40051	18.988	ug/l #	98
29) Tetrahydrofuran	4.25	42	38996	86.985	ug/l	98
30) Chloroform	4.04	83	128643	20.468	ug/l	100
31) Cyclohexane	3.86	56	82183	17.255	ug/l	92
32) 1,1,1-Trichloroethane	4.26	97	108809	22.050	ug/l #	84
36) 1,1-Dichloropropene	4.45	75	87316	20.625	ug/l	99
37) Ethyl Acetate	4.29	43	34322	19.271	ug/l #	61
38) Carbon Tetrachloride	4.17	117	127793	29.694	ug/l	99

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Quant Time: Apr 30 03:47:07 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)
39) Methylcyclohexane	5.62	83	96808	19.589	ug/l	95
40) Benzene	4.81	78	201333	19.684	ug/l	98
41) Methacrylonitrile	4.92	41	17232	17.416	ug/l #	81
42) 1,2-Dichloroethane	5.11	62	73649	22.729	ug/l	98
43) Isopropyl Acetate	7.09	43	38754	21.113	ug/l #	96
44) Trichloroethene	5.66	130	73095	21.122	ug/l	96
45) 1,2-Dichloropropane	6.39	63	43949	19.058	ug/l	92
46) Dibromomethane	6.25	93	37255	22.373	ug/l	95
47) Bromodichloromethane	6.53	83	87733	22.411	ug/l	95
48) Methyl methacrylate	6.86	41	26472	20.288	ug/l	88
49) 1,4-Dioxane	6.87	88	5257	349.880	ug/l #	59
51) 4-Methyl-2-Pentanone	8.39	43	133444	95.094	ug/l	97
52) Toluene	7.76	92	120303	20.383	ug/l	95
53) t-1,3-Dichloropropene	8.40	75	64571	22.432	ug/l	93
54) cis-1,3-Dichloropropene	7.44	75	79485	21.554	ug/l	93
55) 1,1,2-Trichloroethane	8.61	97	36755	21.927	ug/l	94
56) Ethyl methacrylate	8.74	69	36819	19.994	ug/l	95
57) 1,3-Dichloropropane	8.98	76	53025	20.119	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.43	63	54973	98.104	ug/l	98
59) 2-Hexanone	9.61	43	90246	96.651	ug/l	100
60) Dibromochloromethane	8.84	129	59608	21.910	ug/l	97
61) 1,2-Dibromoethane	9.11	107	42902	22.114	ug/l	96
64) Tetrachloroethene	8.29	164	65523	20.303	ug/l	97
65) Chlorobenzene	9.91	112	136755	19.396	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.04	131	70280	21.162	ug/l	99
67) Ethyl Benzene	10.01	91	239223	19.516	ug/l	99
68) m/p-Xylenes	10.24	106	183143	40.131	ug/l	93
69) o-Xylene	10.80	106	100027	19.618	ug/l	99
70) Styrene	10.88	104	144229	19.568	ug/l	98
71) Bromoform	10.87	173	38251	20.462	ug/l #	98
73) Isopropylbenzene	11.20	105	324194	19.819	ug/l	97
74) N-amyl acetate	11.44	43	57803	15.336	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	48517	18.669	ug/l	99
76) 1,2,3-Trichloropropane	11.85	75	32017	17.364	ug/l #	100
77) Bromobenzene	11.57	156	77441	18.938	ug/l	95
78) n-propylbenzene	11.66	91	316689	18.399	ug/l	100
79) 2-Chlorotoluene	11.79	91	200554	19.345	ug/l	99
80) 1,3,5-Trimethylbenzene	11.88	105	269324	19.503	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.92	75	19714	23.919	ug/l #	78
82) 4-Chlorotoluene	11.96	91	197299	19.233	ug/l	100
83) tert-Butylbenzene	12.18	119	285544	20.149	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	254770	19.049	ug/l	97
85) sec-Butylbenzene	12.36	105	347695	19.698	ug/l	99
86) p-Isopropyltoluene	12.51	119	323282	20.428	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	150176	20.758	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	138277	20.159	ug/l	99
89) n-Butylbenzene	12.89	91	285388	19.847	ug/l	97
90) Hexachloroethane	12.96	117	78402	19.764	ug/l	96
91) 1,2-Dichlorobenzene	12.99	146	141060	20.312	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	9967	19.011	ug/l	93

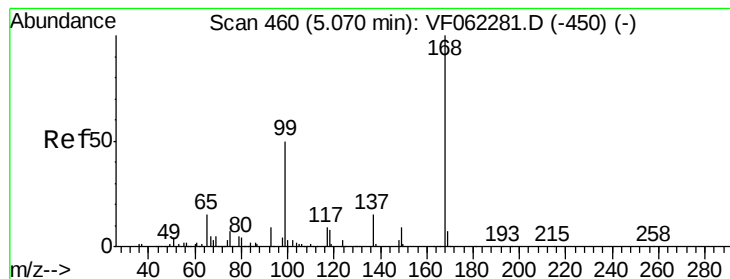
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042919\
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Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	128205	21.014	ug/l	99
94) Hexachlorobutadiene	14.22	225	98213	22.384	ug/l	99
95) Naphthalene	14.49	128	170232	18.011	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	124979	21.660	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.04 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_F

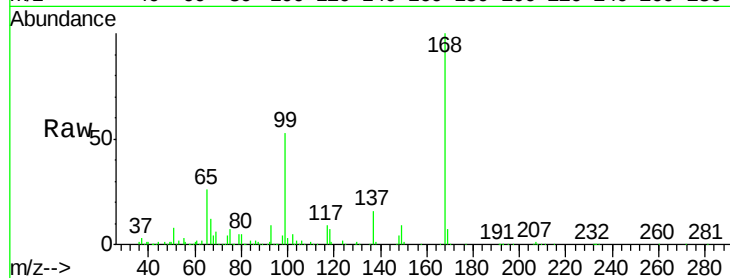
ClientSampleId :

Tot Ion:168 Resp: 354799

Ion Ratio Lower Upper

168 100

99 53.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

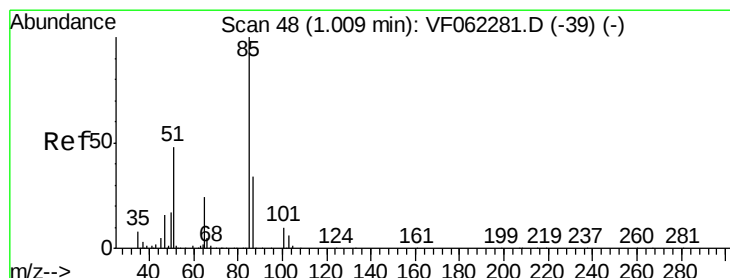
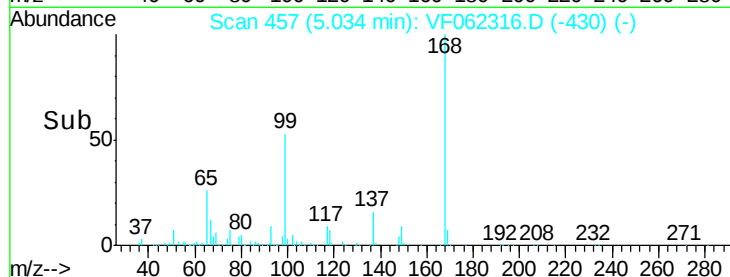
5.03

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.700 ug/l

RT: 0.99 min Scan# 47

Delta R.T. -0.02 min

Lab File: VF062316.D

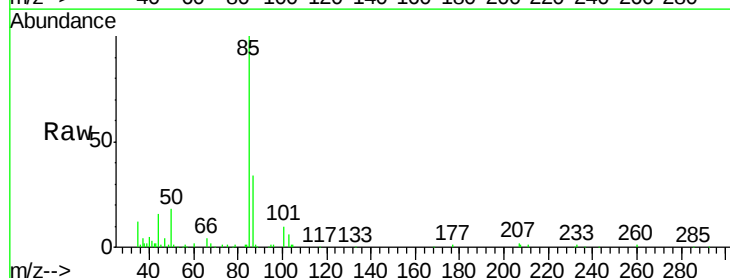
Acq: 29 Apr 2019 16:51

Tgt Ion: 85 Resp: 91495

Ion Ratio Lower Upper

85 100

87 34.5 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

0.99

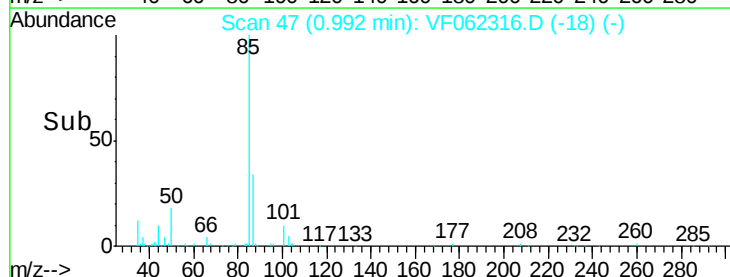
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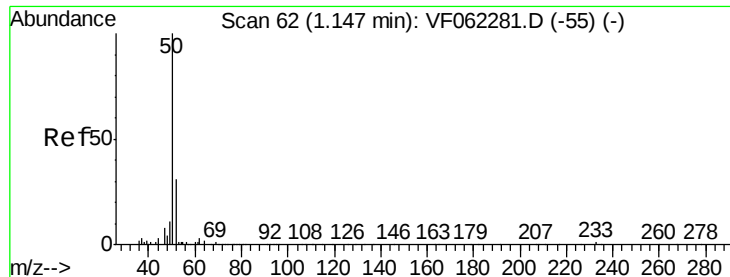
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.610 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.02 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_F

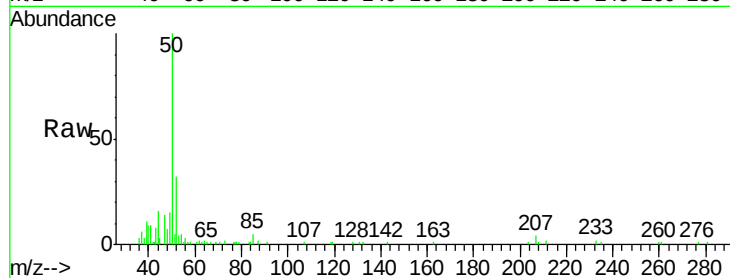
ClientSampleId :

Tot Ion: 50 Resp: 62549

Ion Ratio Lower Upper

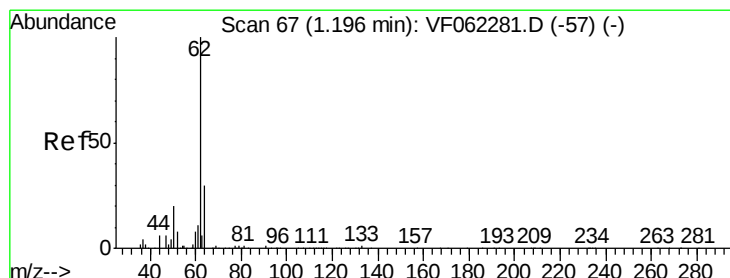
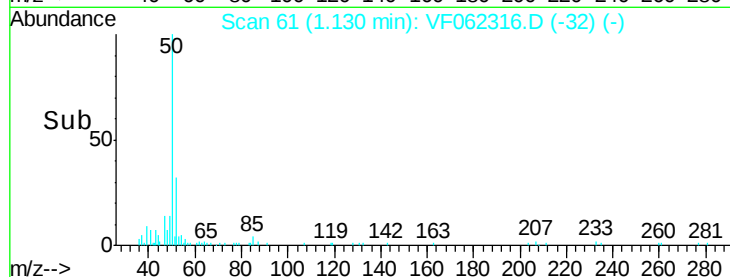
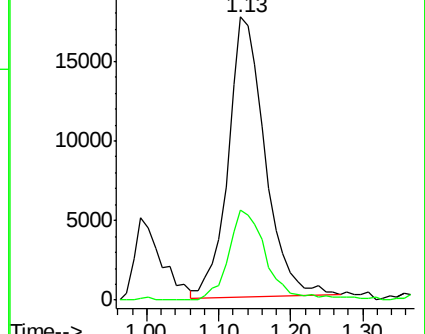
50 100

52 32.3 24.2 36.4



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0



#4

Vinyl Chloride

Concen: 18.102 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.02 min

Lab File: VF062316.D

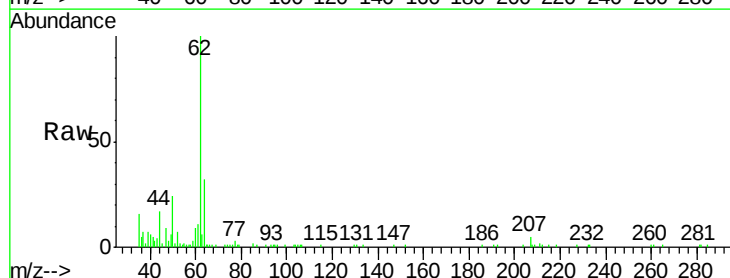
Acq: 29 Apr 2019 16:51

Tgt Ion: 62 Resp: 60897

Ion Ratio Lower Upper

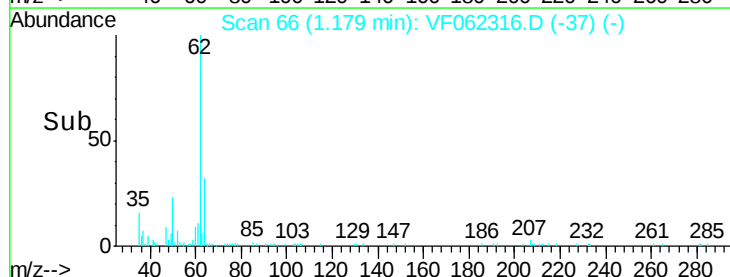
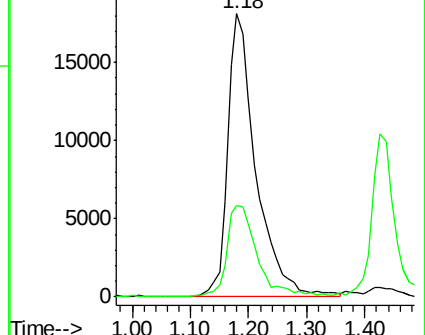
62 100

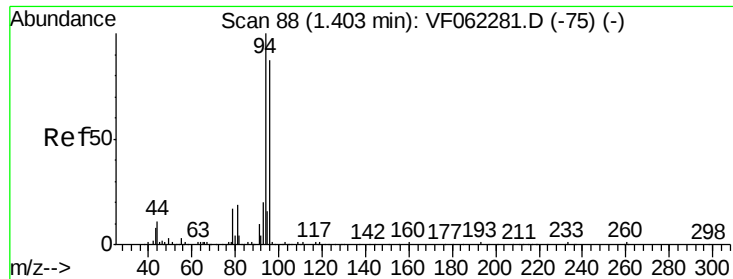
64 32.5 24.3 36.5



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 20.085 ug/l

RT: 1.37 min Scan# 85

Delta R.T. -0.04 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

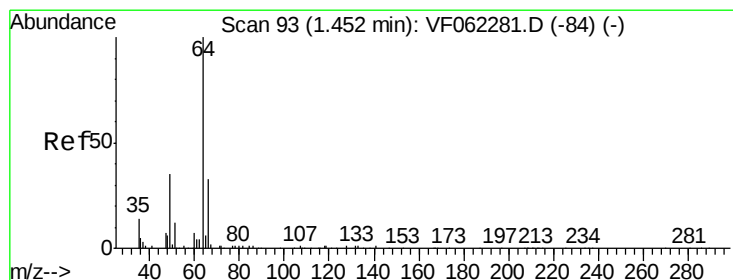
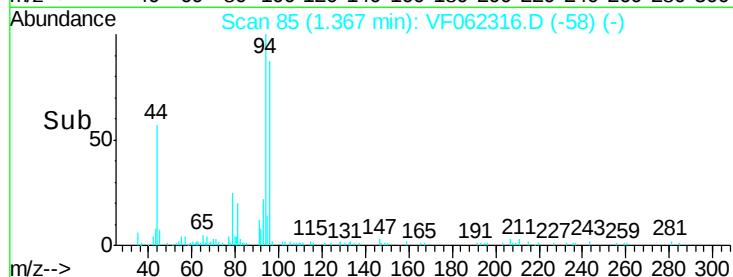
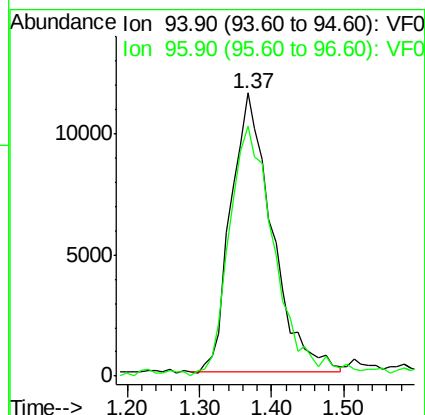
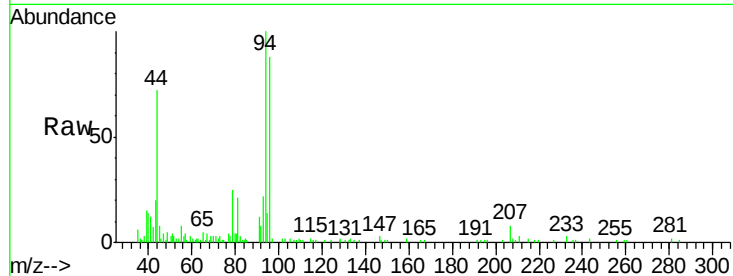
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 45884

Ion Ratio Lower Upper

94 100

96 89.6 69.5 104.3



#6

Chloroethane

Concen: 19.002 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.03 min

Lab File: VF062316.D

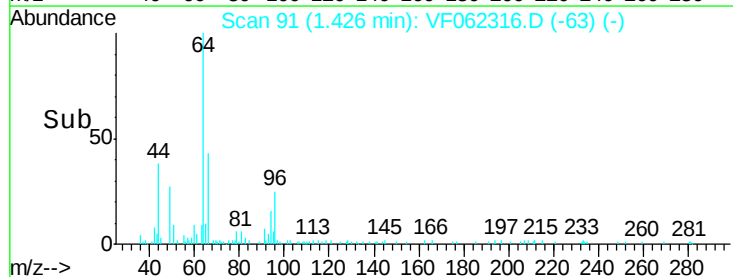
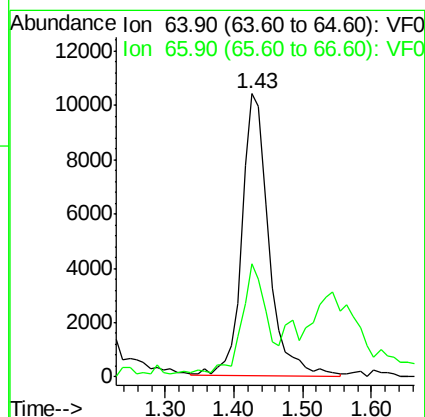
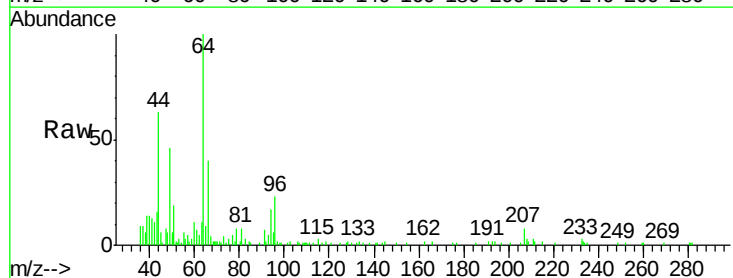
Acq: 29 Apr 2019 16:51

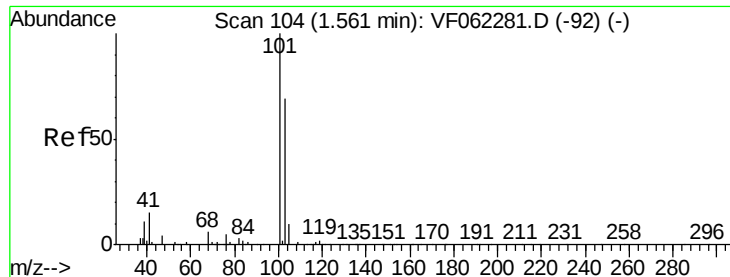
Tgt Ion: 64 Resp: 28022

Ion Ratio Lower Upper

64 100

66 38.9 26.0 39.0



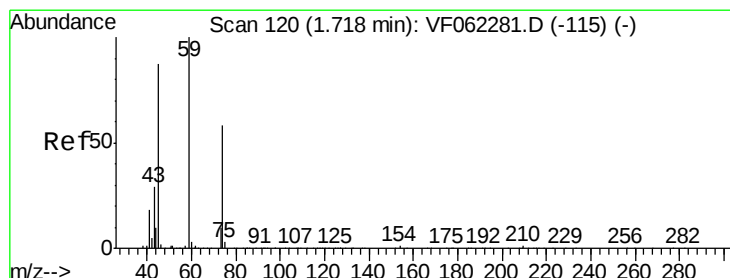
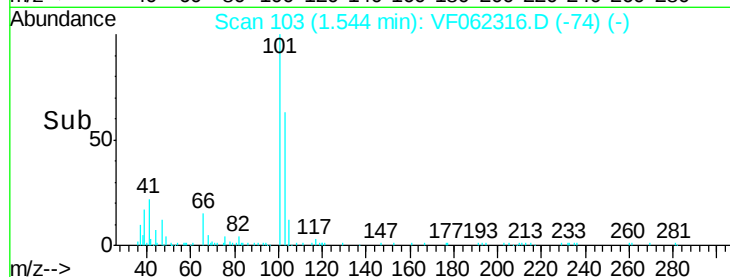
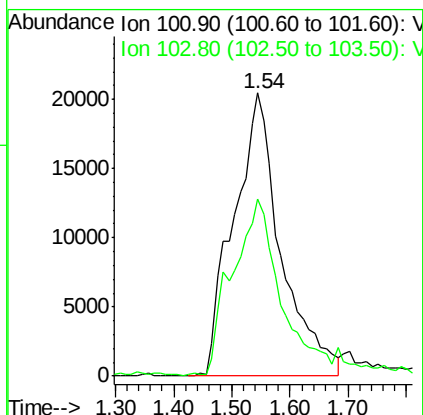
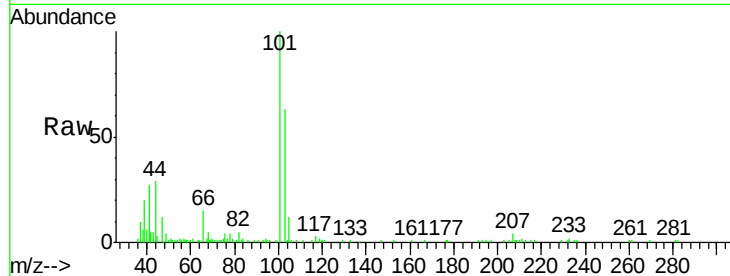


#7

Trichlorofluoromethane
Concen: 21.622 ug/l
RT: 1.54 min Scan# 103
Delta R.T. -0.02 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Instrument :
MSVOA_F
ClientSampleId :

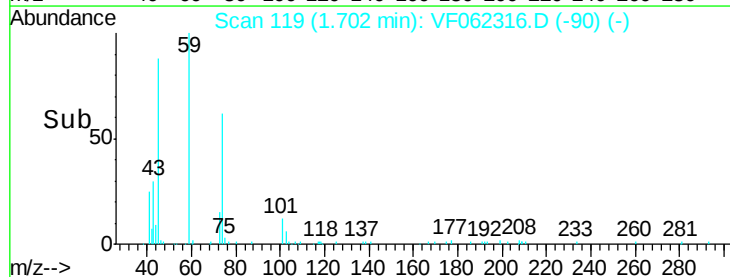
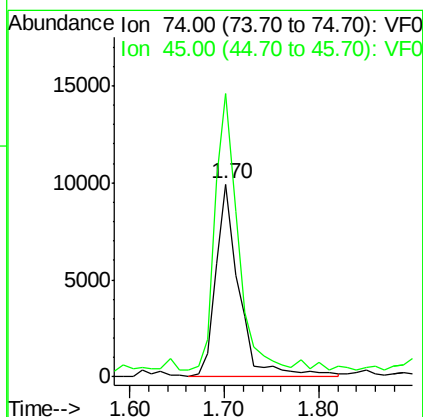
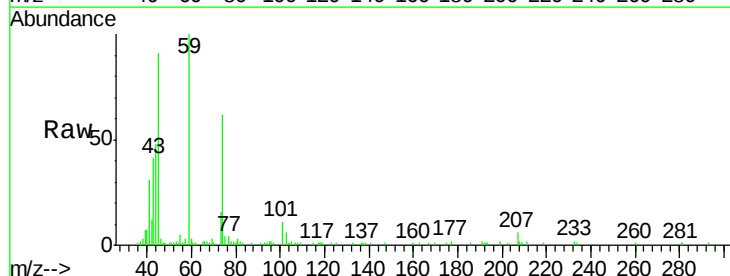
Tot Ion:101 Resp: 115582
Ion Ratio Lower Upper
101 100
103 61.9 55.0 82.6

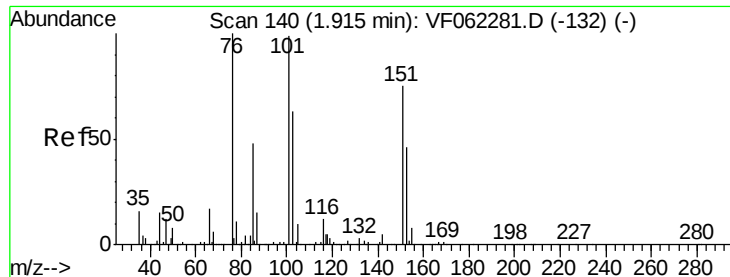


#8

Diethyl Ether
Concen: 17.583 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 74 Resp: 17028
Ion Ratio Lower Upper
74 100
45 139.0 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.802 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

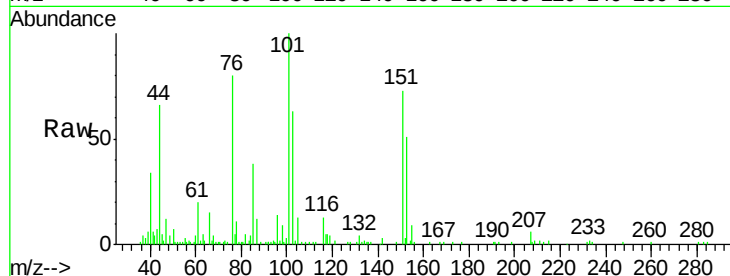
Tot Ion:101 Resp: 66430

Ion Ratio Lower Upper

101 100

85 44.9 36.5 54.7

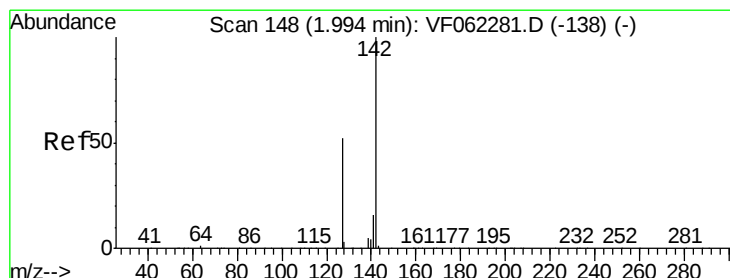
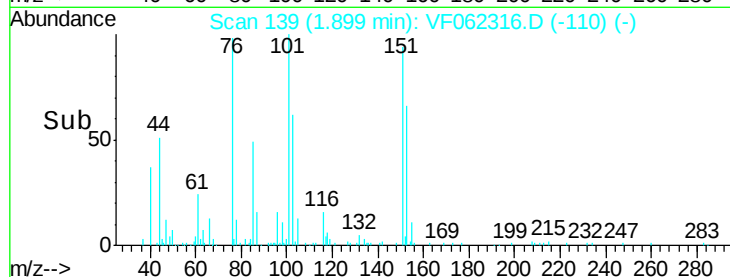
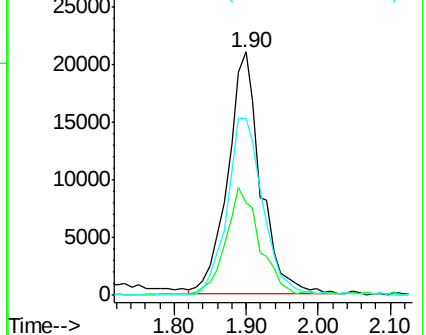
151 80.1 59.2 88.8



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: 20.678 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

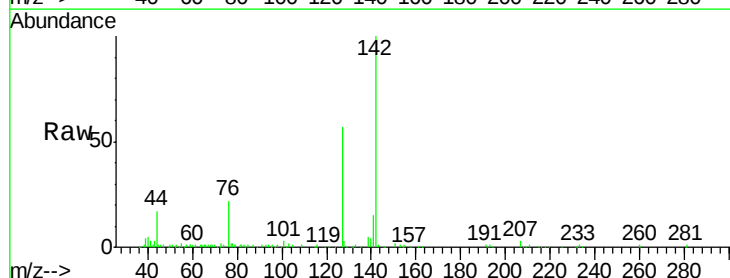
Tgt Ion:142 Resp: 121254

Ion Ratio Lower Upper

142 100

127 56.5 43.0 64.4

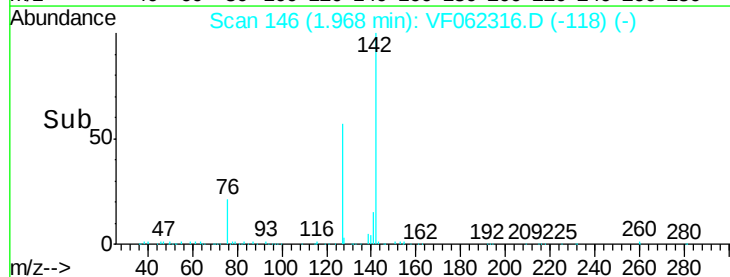
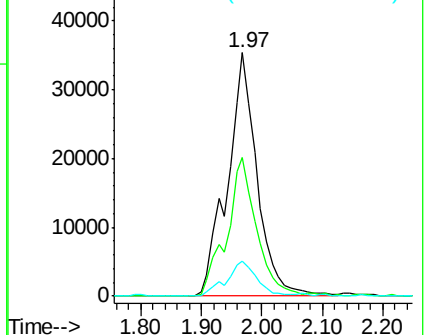
141 14.8 12.3 18.5

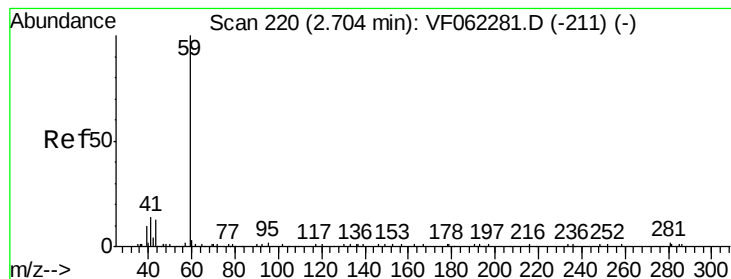


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



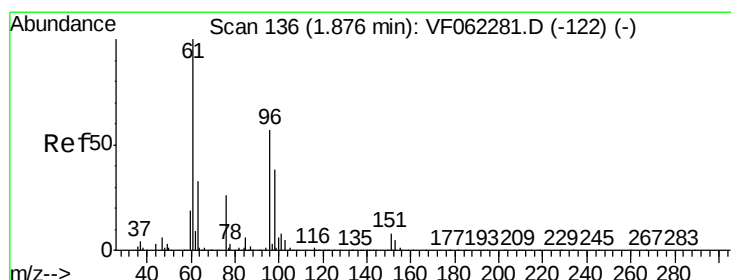
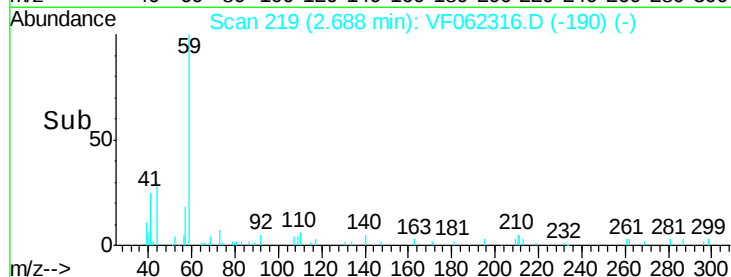
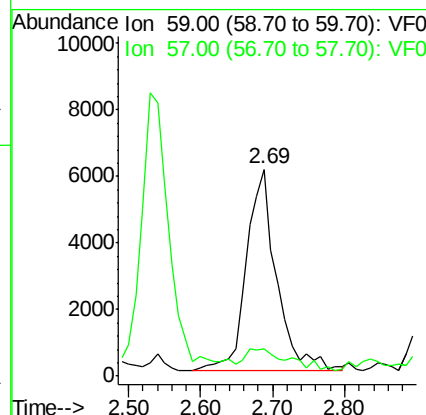
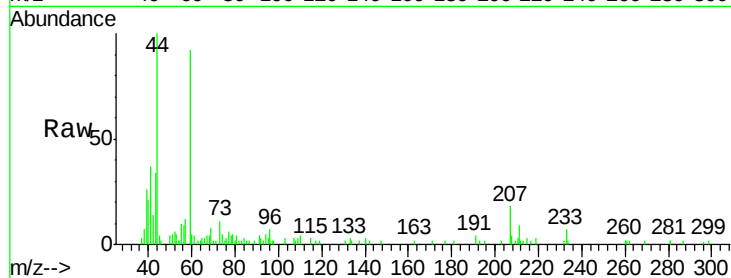


#11

Tert butyl alcohol
Concen: 101.221 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.02 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Instrument :
MSVOA_F
ClientSampleId :

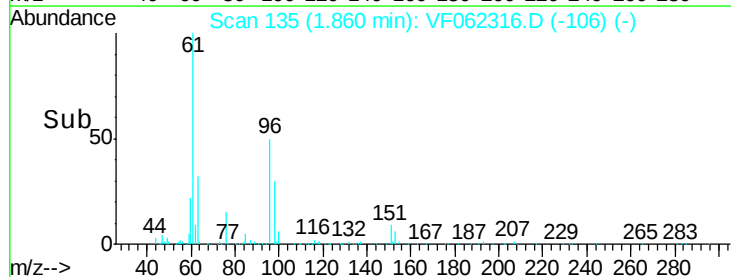
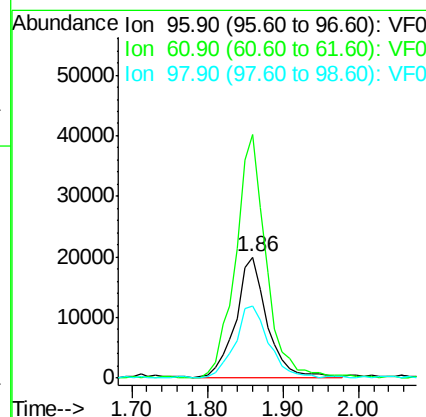
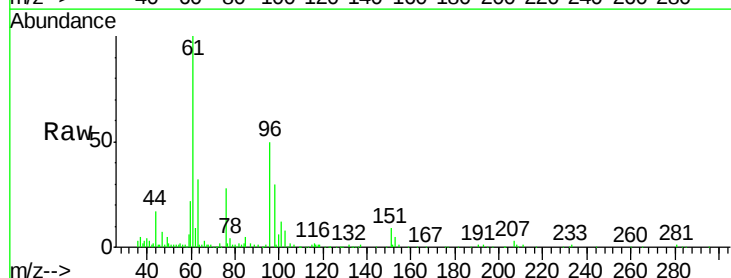
Tot Ion: 59 Resp: 17597
Ion Ratio Lower Upper
59 100
57 14.8 8.8 13.2#

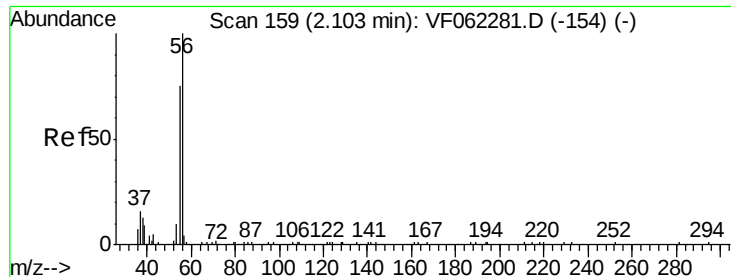


#12

1,1-Dichloroethene
Concen: 18.629 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.02 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 96 Resp: 55760
Ion Ratio Lower Upper
96 100
61 202.6 141.1 211.7
98 60.1 53.4 80.0





#13

Acrolein

Concen: 89.139 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

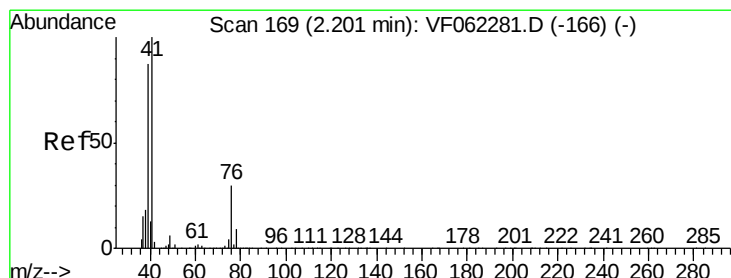
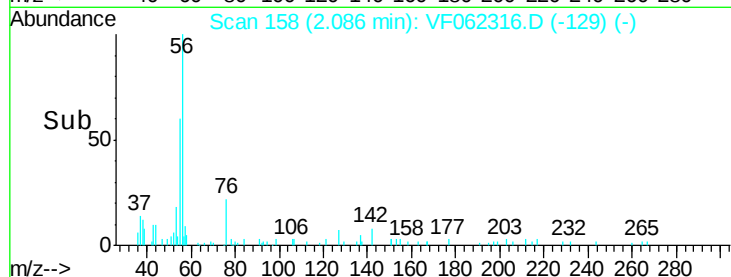
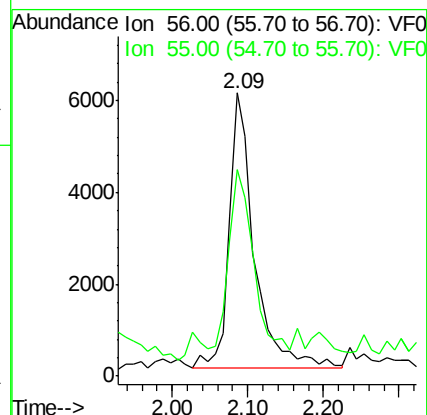
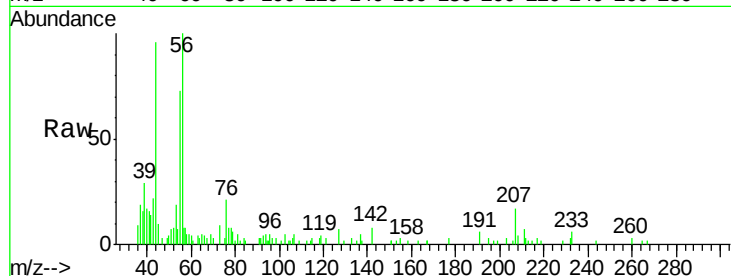
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 13634

Ion Ratio Lower Upper

56 100

55 64.4 62.3 93.5



#14

Allyl chloride

Concen: 27.069 ug/l

RT: 2.18 min Scan# 168

Delta R.T. -0.02 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

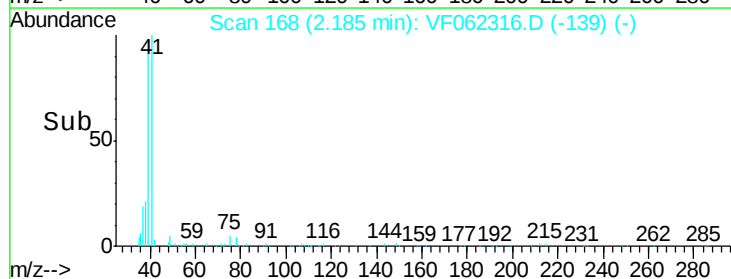
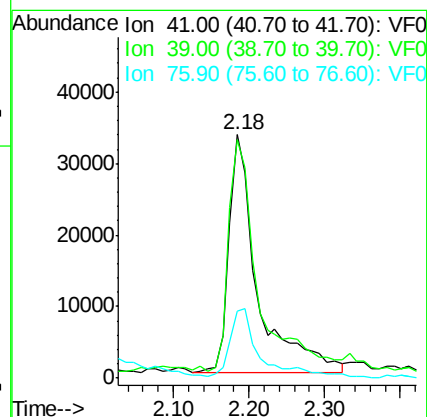
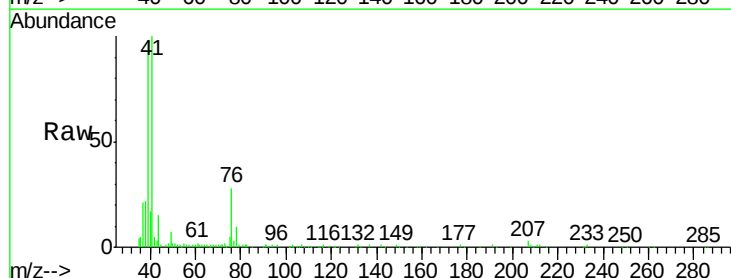
Tgt Ion: 41 Resp: 88180

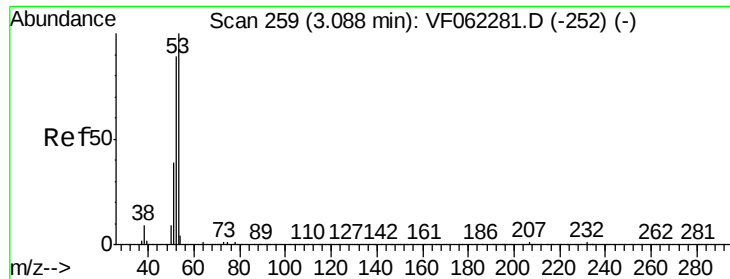
Ion Ratio Lower Upper

41 100

39 100.3 50.3 75.5#

76 31.3 14.8 22.2#





#15

Acrylonitrile

Concen: 79.296 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

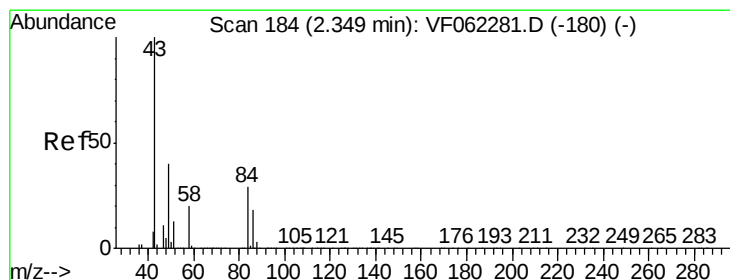
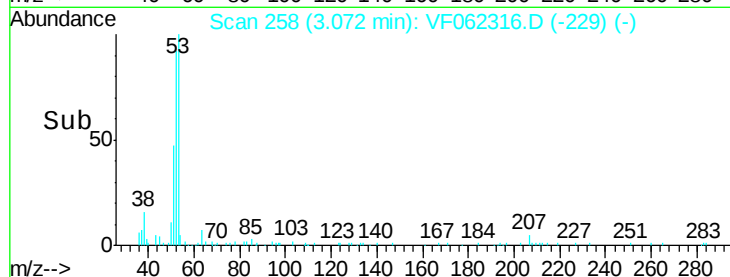
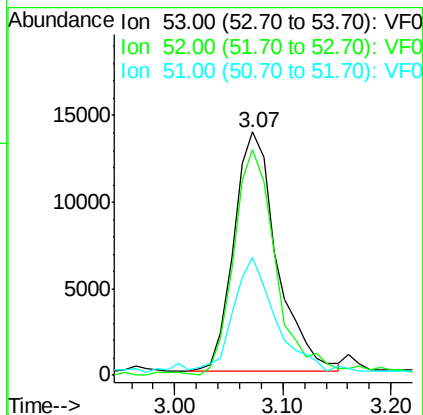
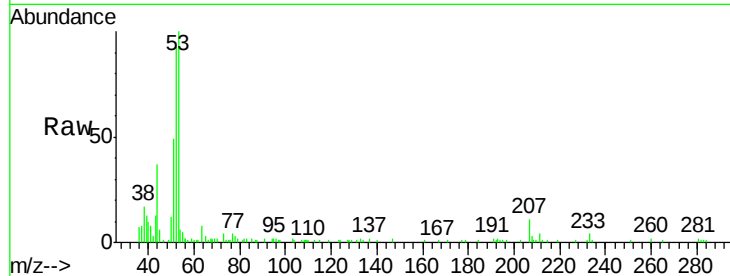
Tot Ion: 53 Resp: 38181

Ion Ratio Lower Upper

53 100

52 93.0 70.6 105.8

51 46.2 32.6 48.8



#16

Acetone

Concen: 96.250 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF062316.D

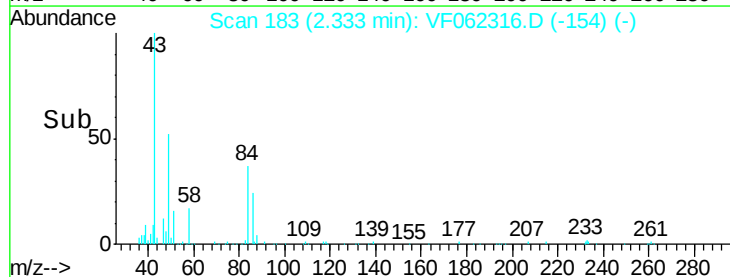
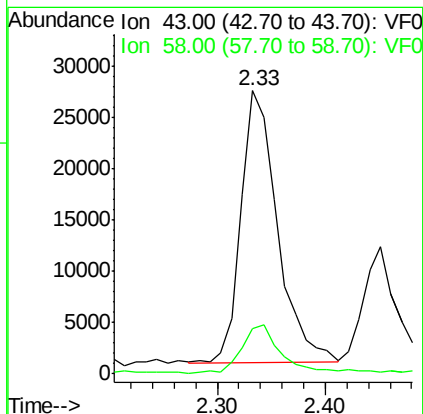
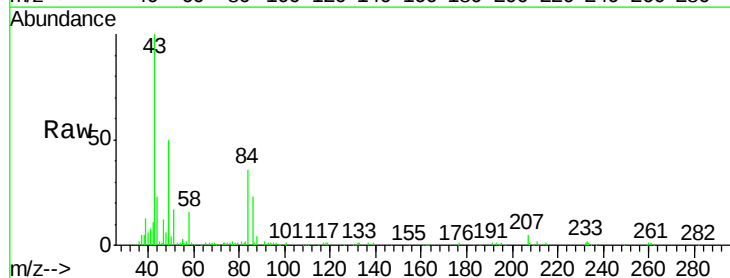
Acq: 29 Apr 2019 16:51

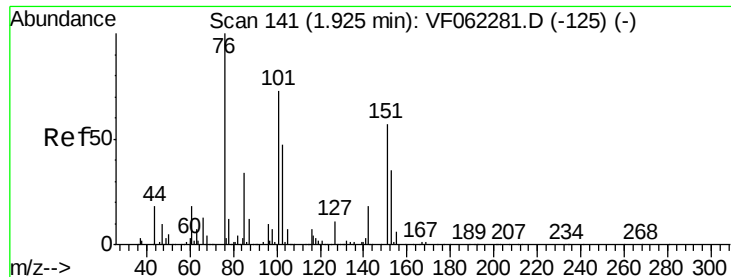
Tgt Ion: 43 Resp: 61933

Ion Ratio Lower Upper

43 100

58 16.9 16.4 24.6

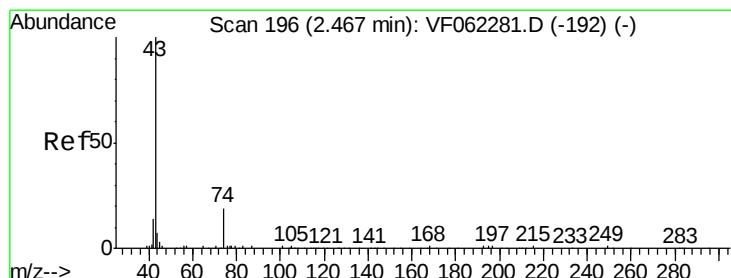
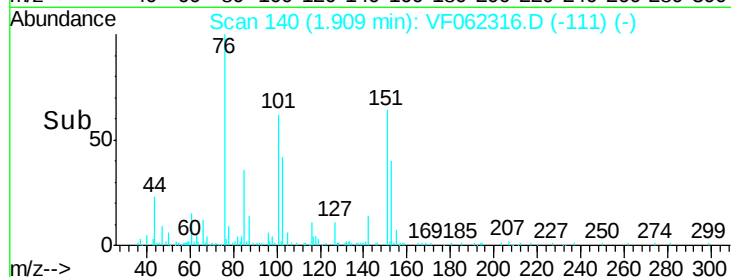
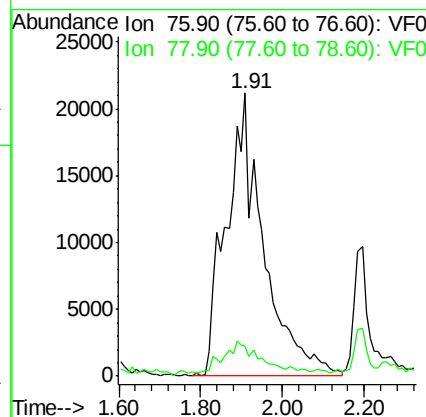
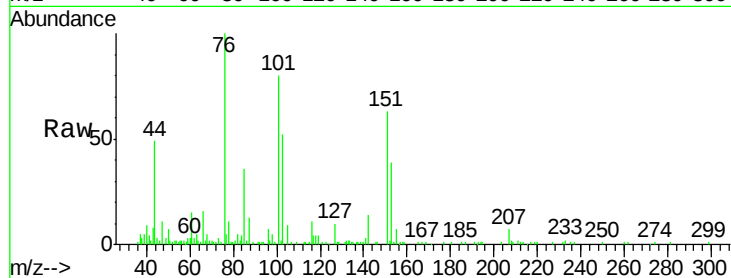




#17
Carbon Disulfide
Concen: 17.039 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.02 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

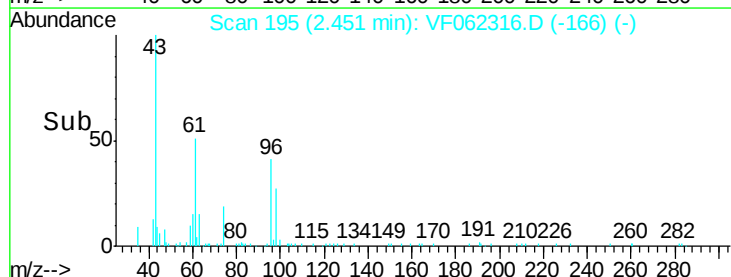
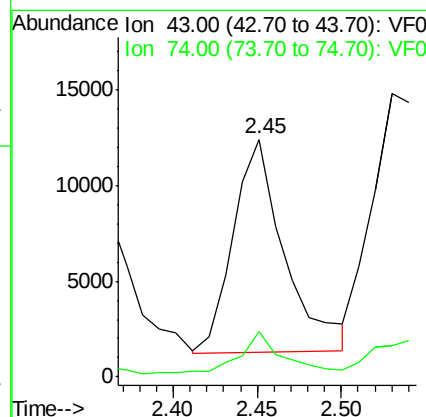
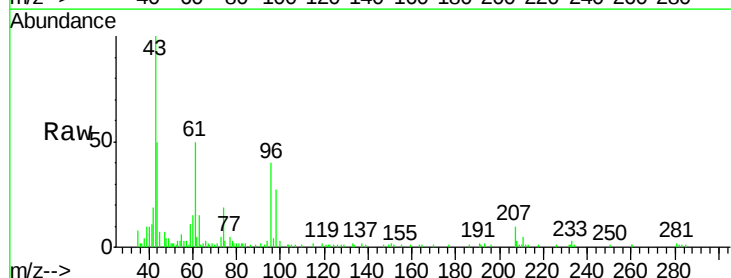
Instrument :
MSVOA_F
ClientSampleId :

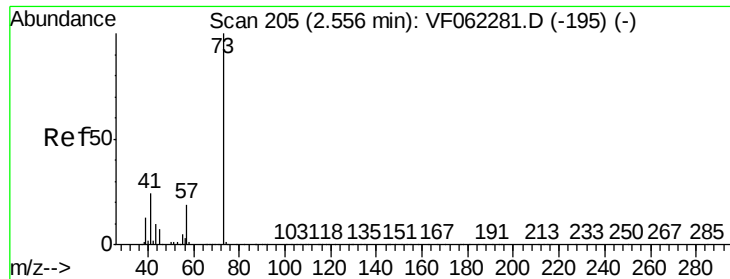
Tot Ion: 76 Resp: 134230
Ion Ratio Lower Upper
76 100
78 9.0 9.8 14.8#



#18
Methyl Acetate
Concen: 17.873 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 43 Resp: 23687
Ion Ratio Lower Upper
43 100
74 19.1 14.4 21.6

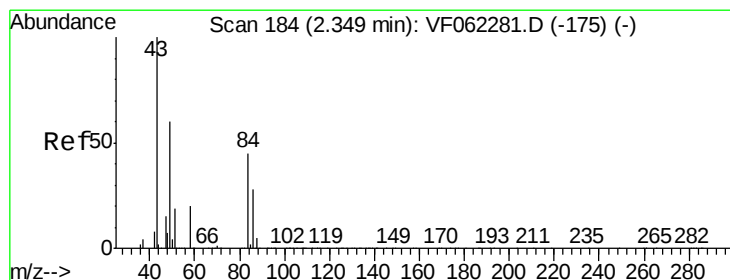
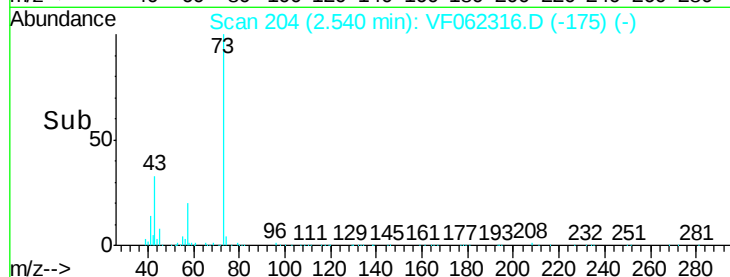
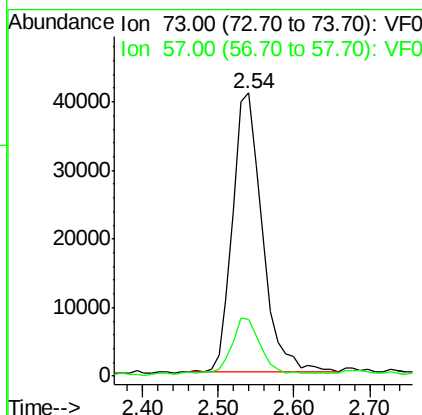
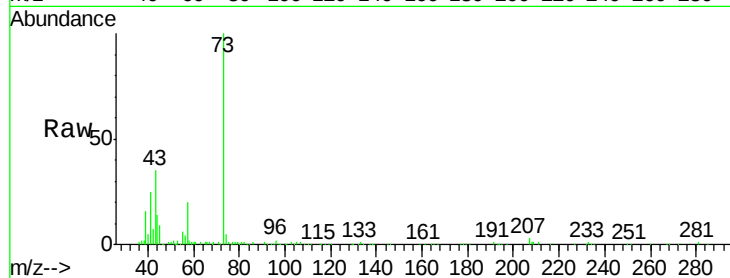




#19
Methvl tert-butvl Ether
Concen: 19.401 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.02 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

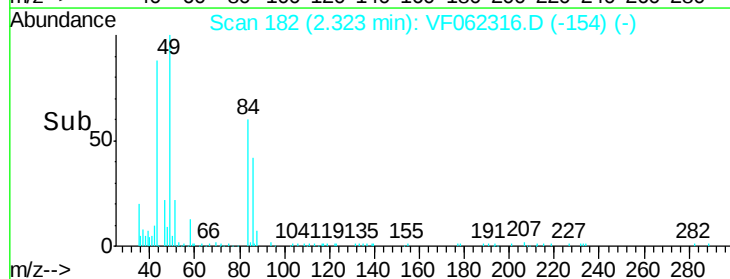
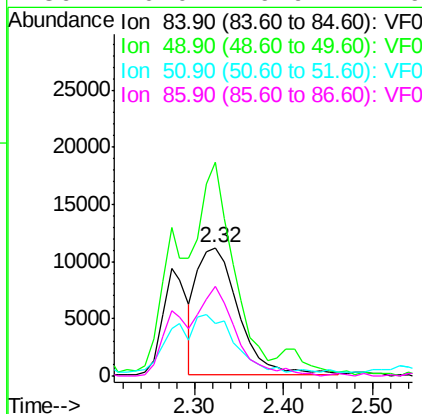
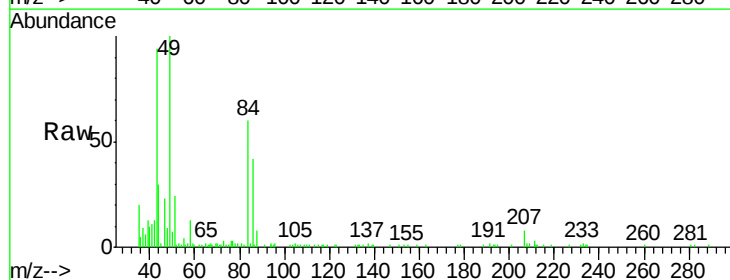
Instrument :
MSVOA_F
ClientSampleId :

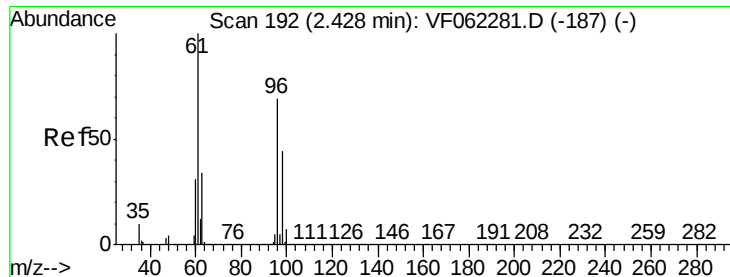
Tot Ion: 73 Resp: 110712
Ion Ratio Lower Upper
73 100
57 19.0 15.5 23.3



#20
Methylene Chloride
Concen: 8.757 ug/l
RT: 2.32 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 84 Resp: 36015
Ion Ratio Lower Upper
84 100
49 166.7 112.1 168.1
51 38.6 35.9 53.9
86 70.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 18.661 ug/l

RT: 2.41 min Scan# 191

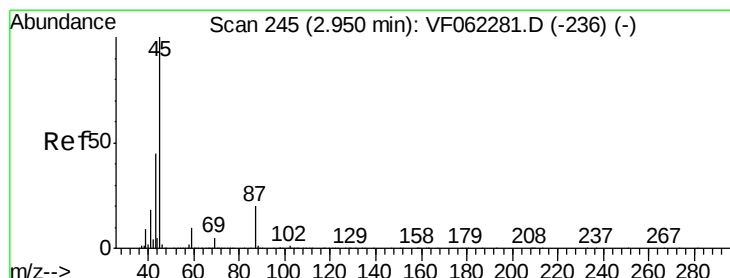
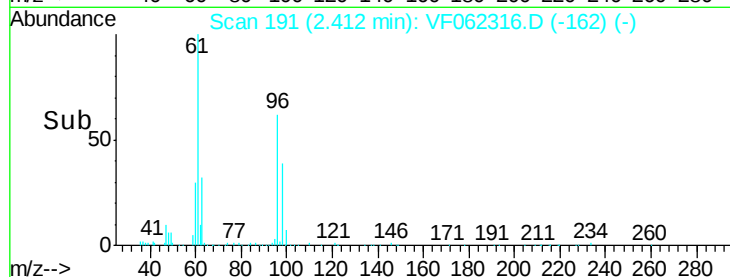
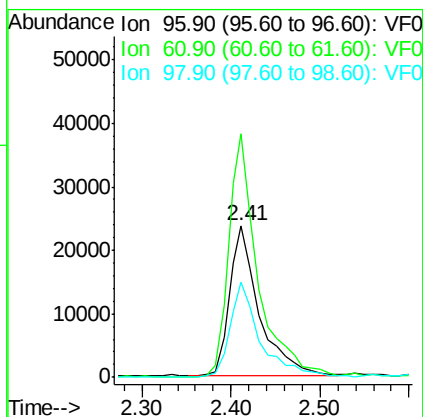
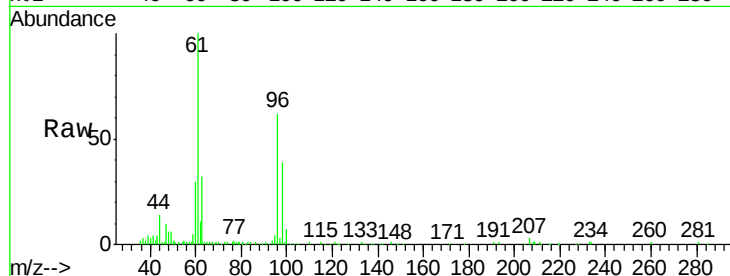
Delta R.T. -0.02 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	96	Resp:	55201
Ion	Ratio	Lower	Upper
96	100		
61	161.1	116.2	174.2
98	62.2	51.4	77.0



#22

Diisopropyl ether

Concen: 17.870 ug/l

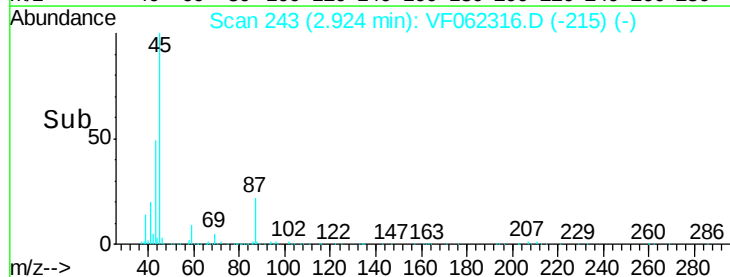
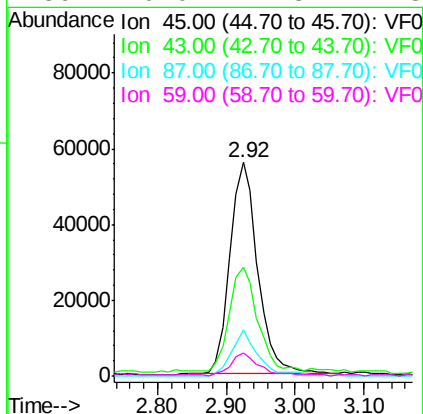
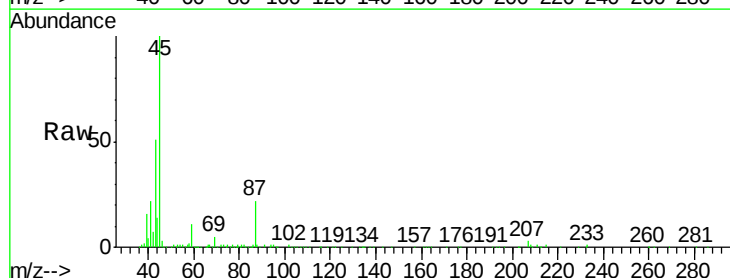
RT: 2.92 min Scan# 243

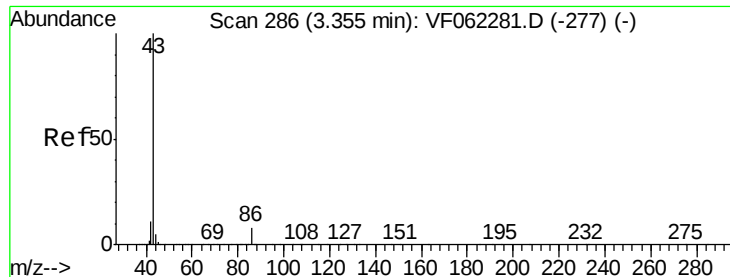
Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Tgt Ion:	45	Resp:	156716
Ion	Ratio	Lower	Upper
45	100		
43	49.2	36.2	54.2
87	21.8	15.8	23.6
59	10.0	7.8	11.8





#23

Vinyl Acetate

Concen: 87.837 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_F

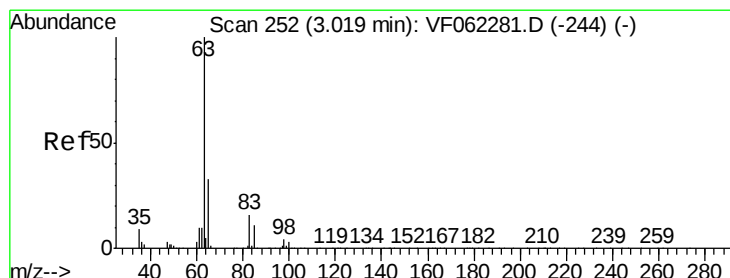
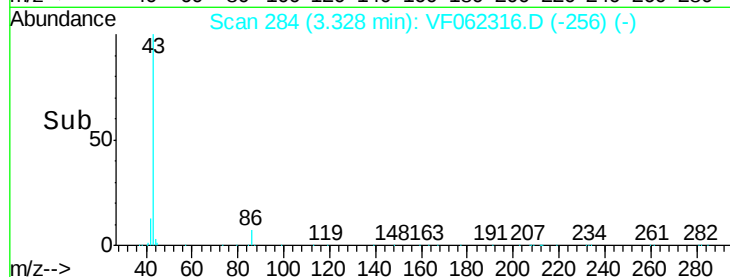
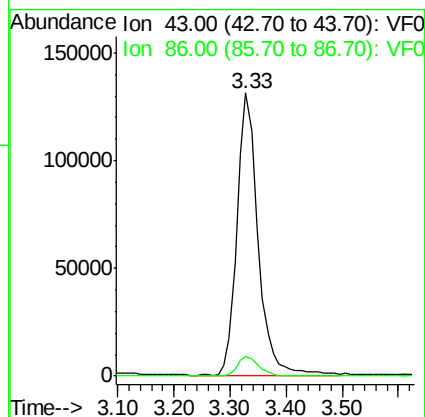
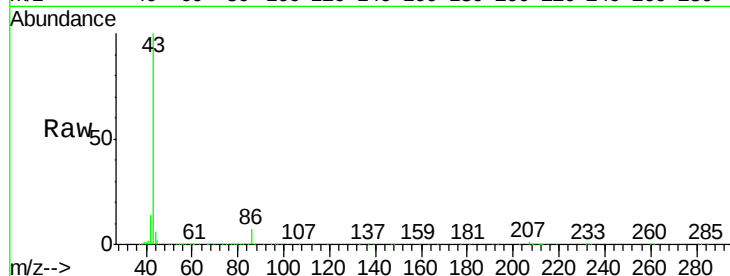
ClientSampleId :

Tot Ion: 43 Resp: 341582

Ion Ratio Lower Upper

43 100

86 7.1 6.0 9.0



#24

1,1-Dichloroethane

Concen: 18.921 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

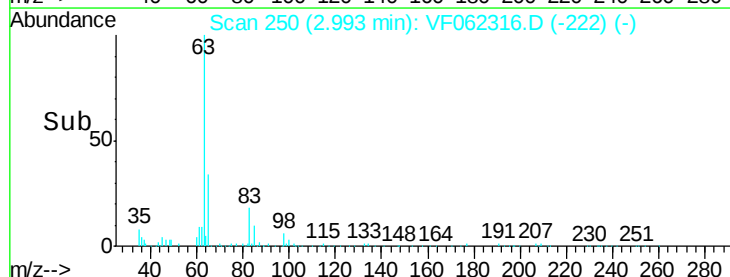
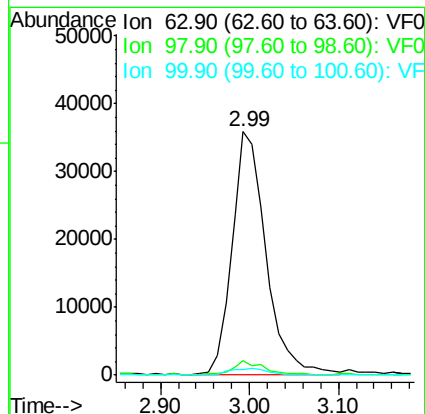
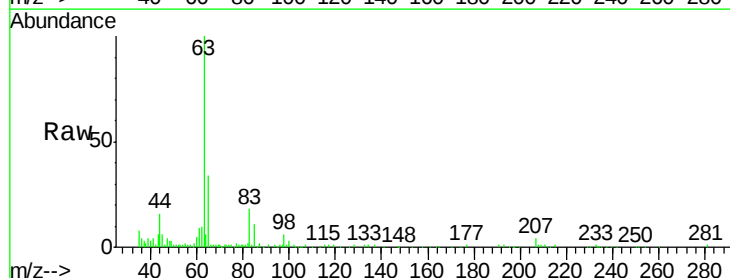
Tgt Ion: 63 Resp: 94706

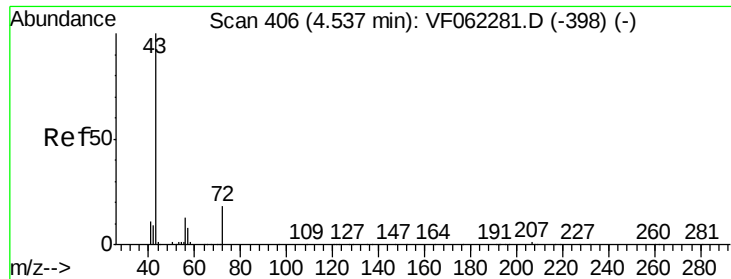
Ion Ratio Lower Upper

63 100

98 5.7 2.1 6.2

100 2.5 1.5 4.5





#25

2-Butanone

Concen: 86.978 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

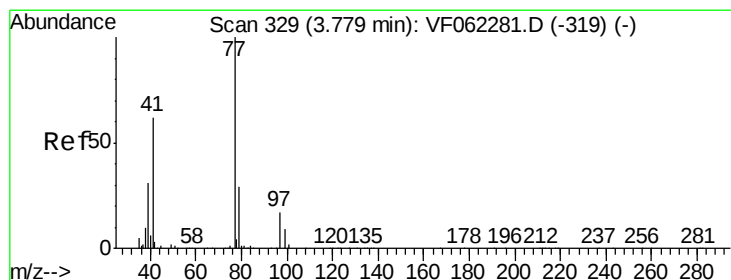
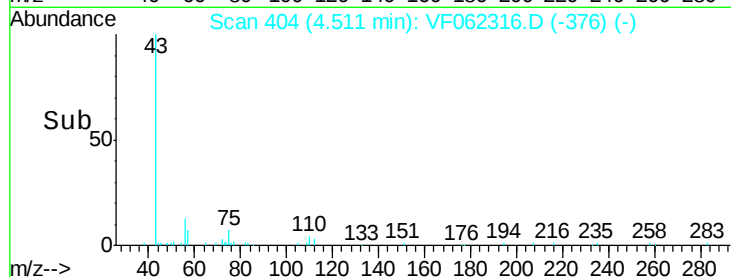
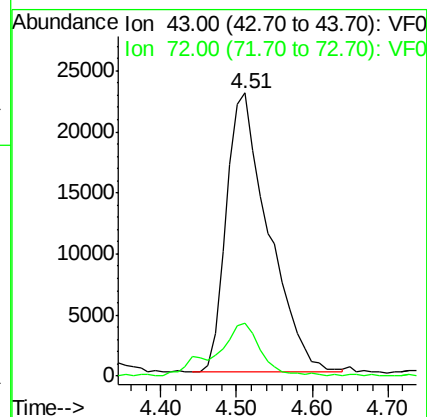
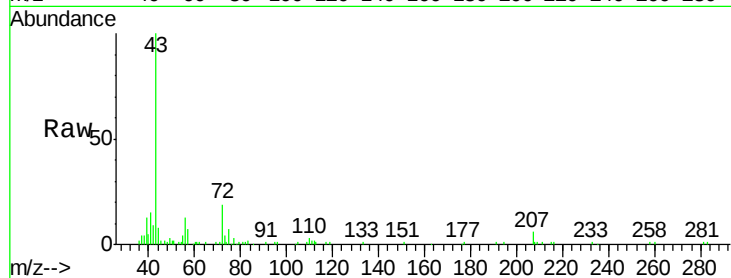
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 88742

Ion Ratio Lower Upper

43 100

72 19.0 15.8 23.6



#26

2,2-Dichloropropane

Concen: 21.542 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.03 min

Lab File: VF062316.D

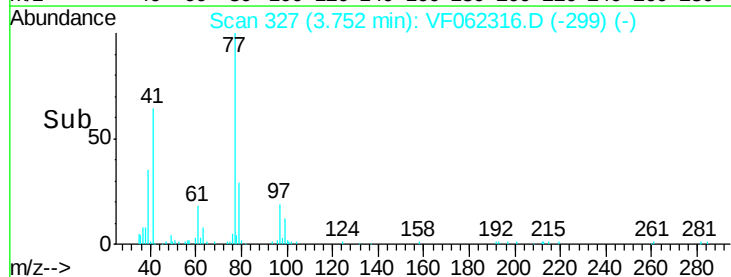
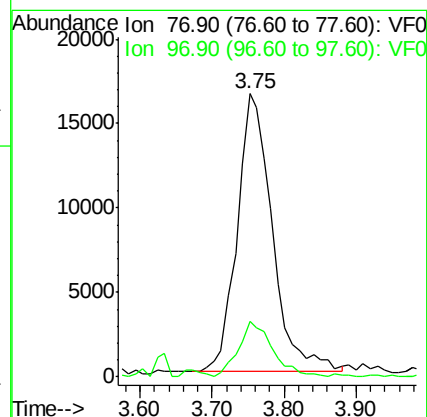
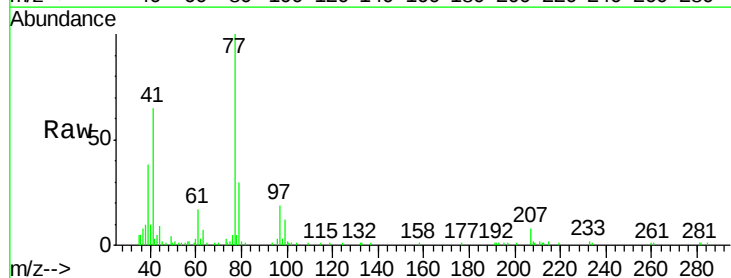
Acq: 29 Apr 2019 16:51

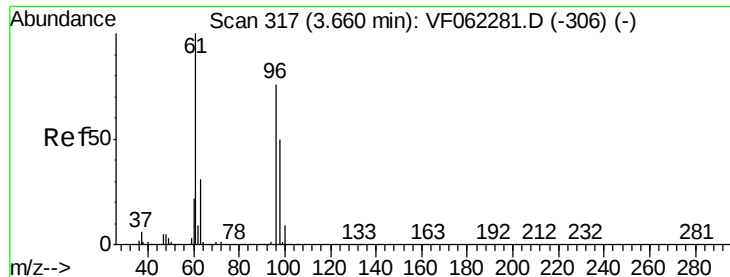
Tgt Ion: 77 Resp: 55995

Ion Ratio Lower Upper

77 100

97 19.4 10.3 30.8



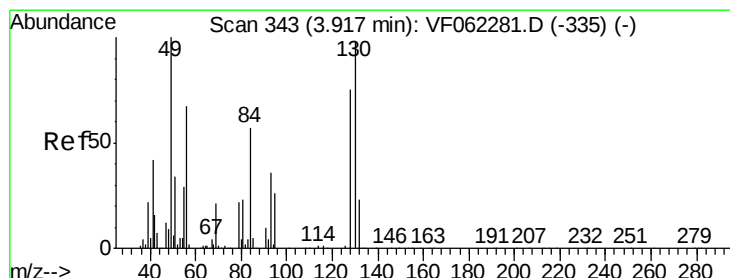
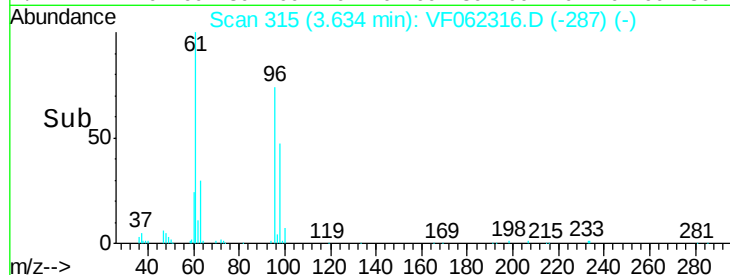
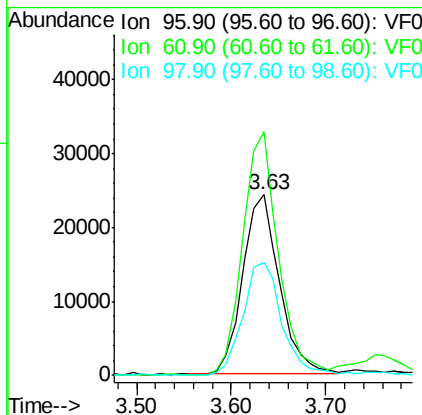
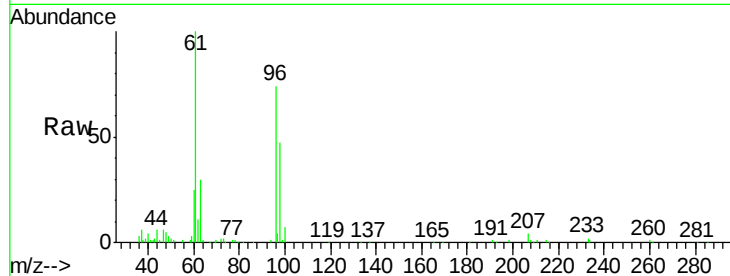


#27

cis-1,2-Dichloroethene
 Concen: 17.511 ug/l
 RT: 3.63 min Scan# 315
 Delta R.T. -0.03 min
 Lab File: VF062316.D
 Acq: 29 Apr 2019 16:51

Instrument :
 MSVOA_F
 ClientSampleId :

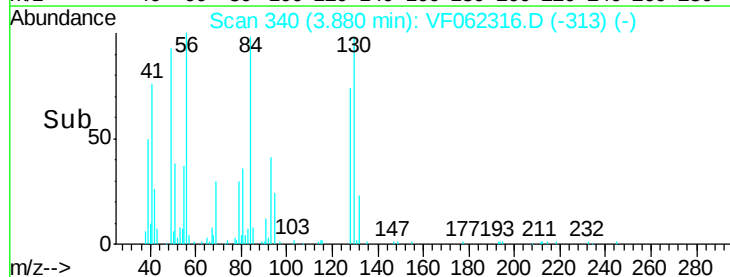
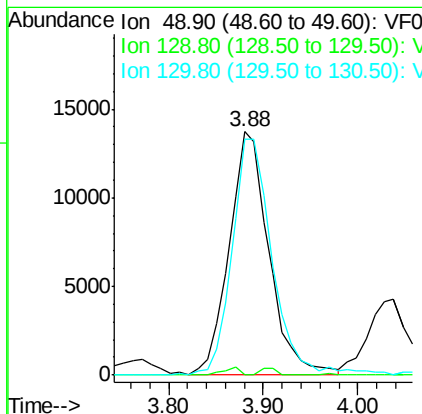
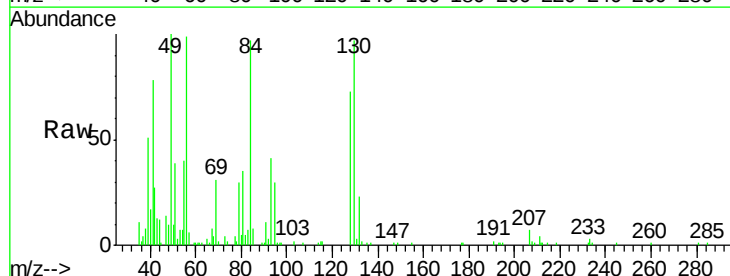
Tot Ion	Ratio	Lower	Upper
96	100		
61	131.7	0.0	257.6
98	66.9	0.0	137.4

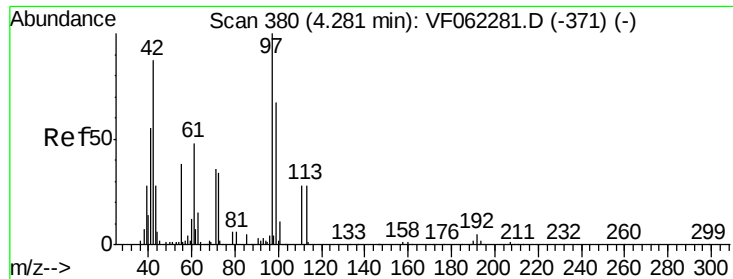


#28

Bromochloromethane
 Concen: 18.988 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. -0.04 min
 Lab File: VF062316.D
 Acq: 29 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	0.0#
130	98.3	77.0	115.4

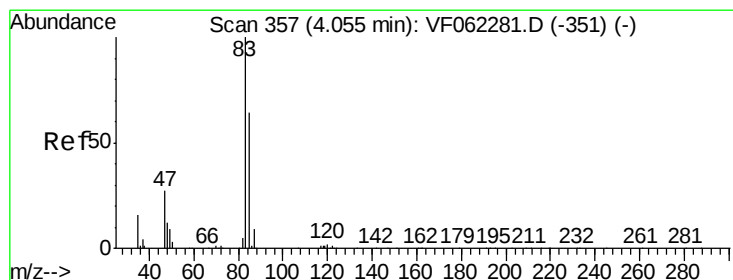
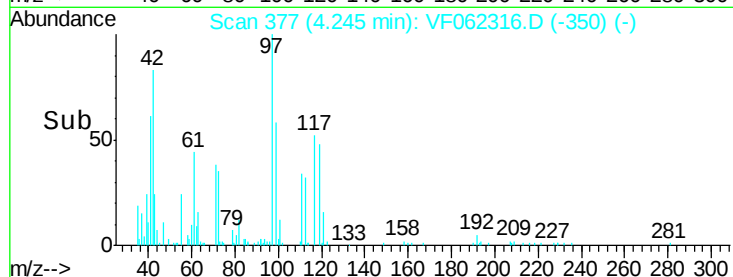
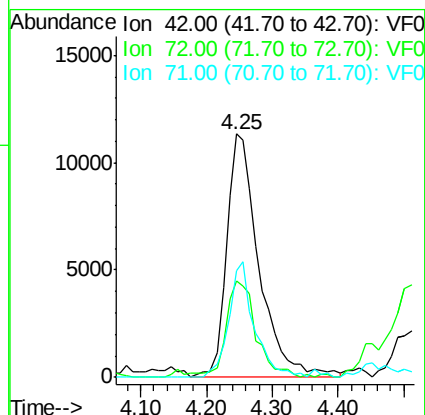
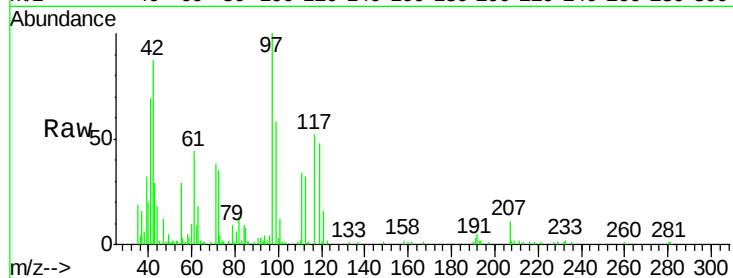




#29
Tetrahydrofuran
Concen: 86.985 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.04 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

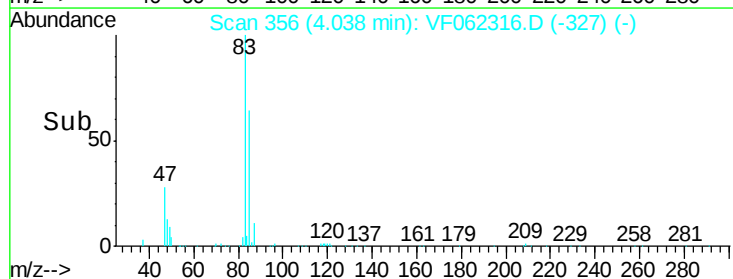
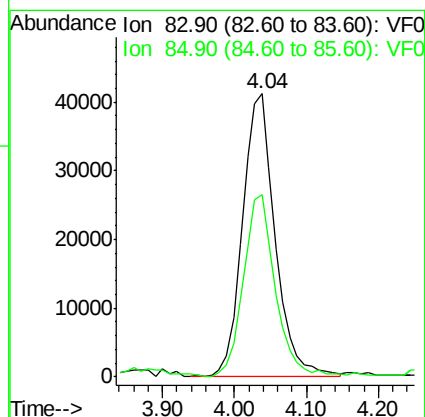
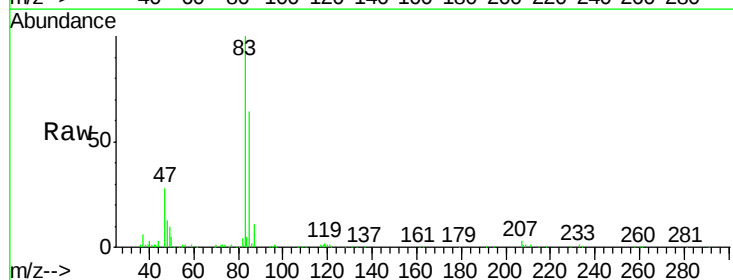
Instrument :
MSVOA_F
ClientSampled :

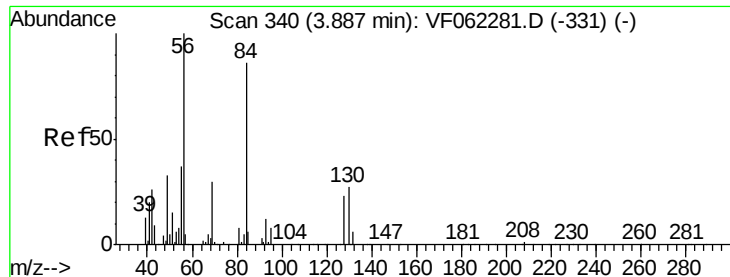
Tot Ion: 42 Resp: 38996
Ion Ratio Lower Upper
42 100
72 36.4 29.3 43.9
71 37.4 31.2 46.8



#30
Chloroform
Concen: 20.468 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.02 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 83 Resp: 128643
Ion Ratio Lower Upper
83 100
85 63.6 51.1 76.7

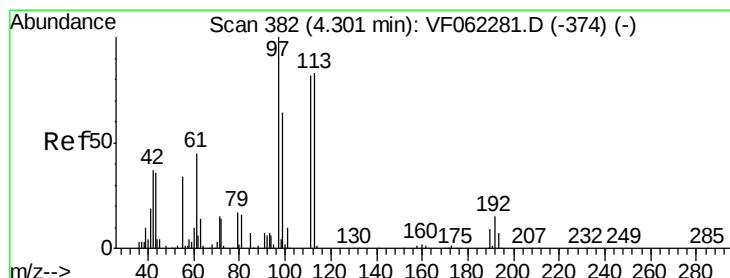
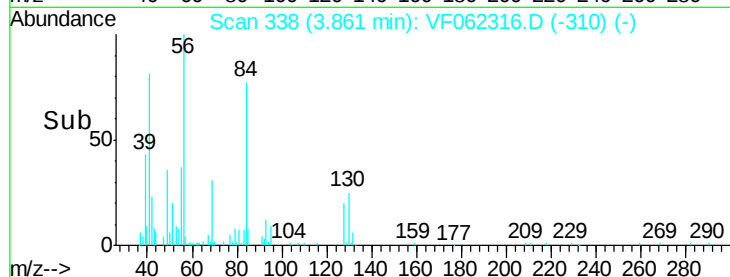
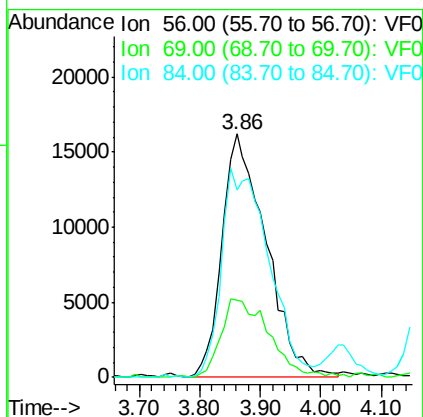
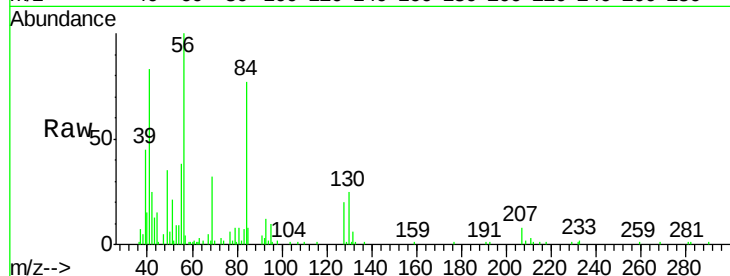




#31
Cyclohexane
Concen: 17.255 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.03 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

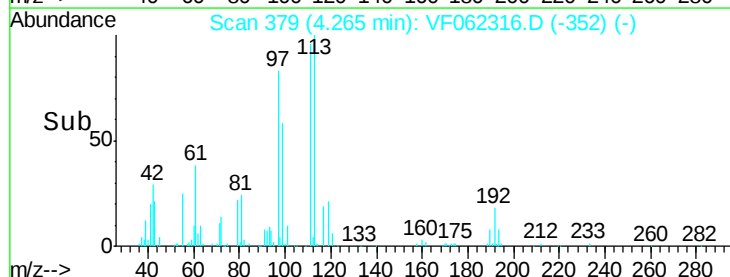
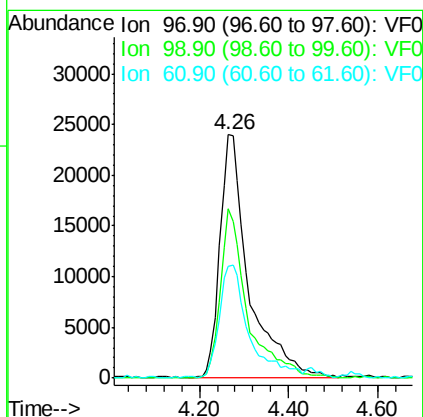
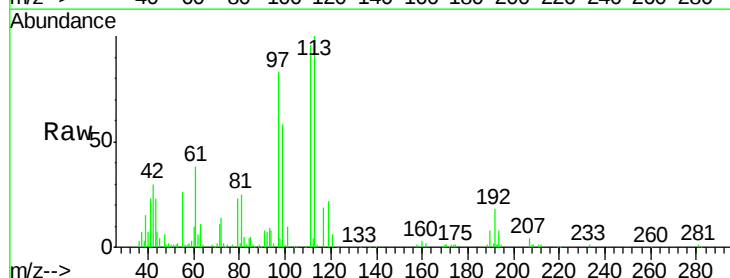
Instrument :
MSVOA_F
ClientSampleId :

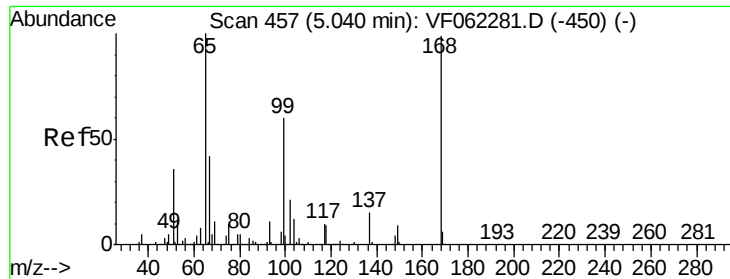
Tot Ion: 56 Resp: 82183
Ion Ratio Lower Upper
56 100
69 31.6 24.3 36.5
84 77.0 68.5 102.7



#32
1,1,1-Trichloroethane
Concen: 22.050 ug/l
RT: 4.26 min Scan# 379
Delta R.T. -0.04 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 97 Resp: 108809
Ion Ratio Lower Upper
97 100
99 64.9 41.6 62.4#
61 47.6 31.6 47.4#





#33

1,2-Dichloroethane-d4

Concen: 54.354 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

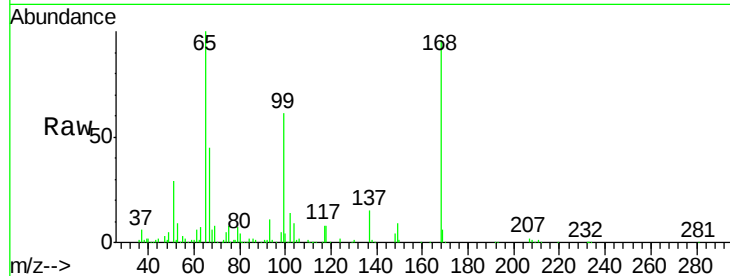
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 156208

Ion Ratio Lower Upper

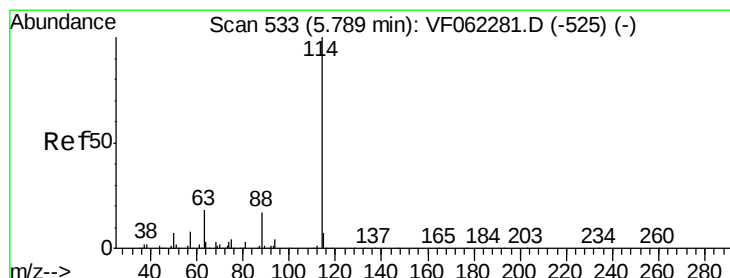
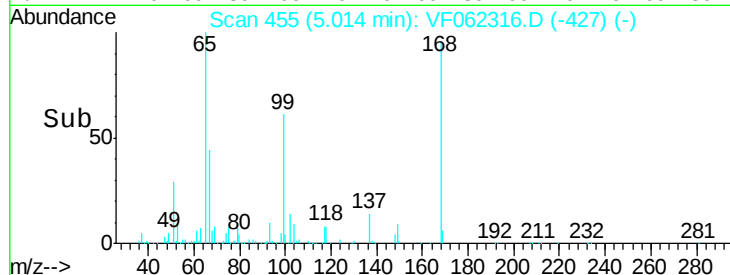
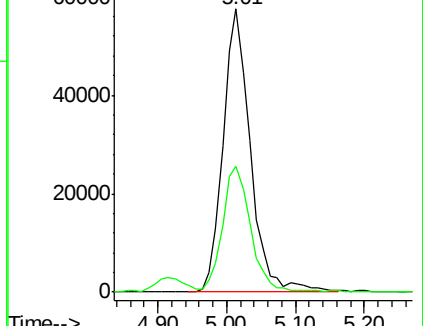
65 100

67 47.3 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: 5.76 min Scan# 531

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

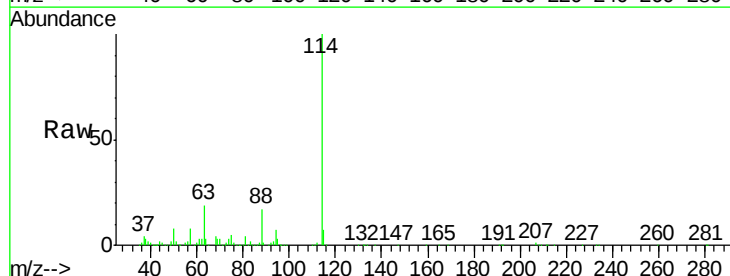
Tgt Ion: 114 Resp: 458868

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.6

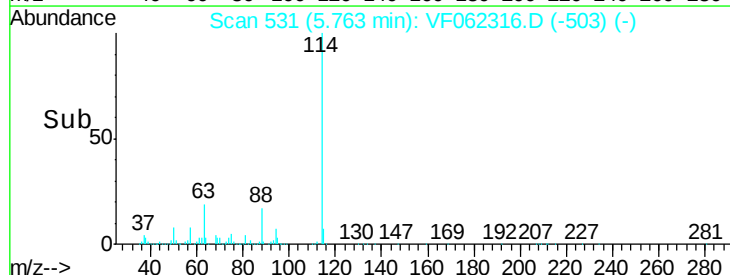
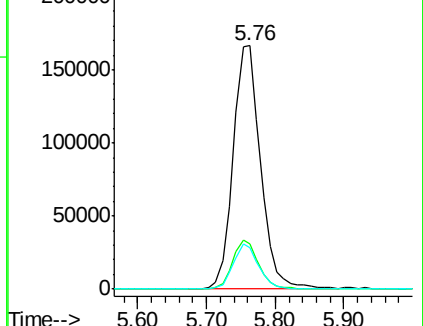
88 17.1 0.0 34.6

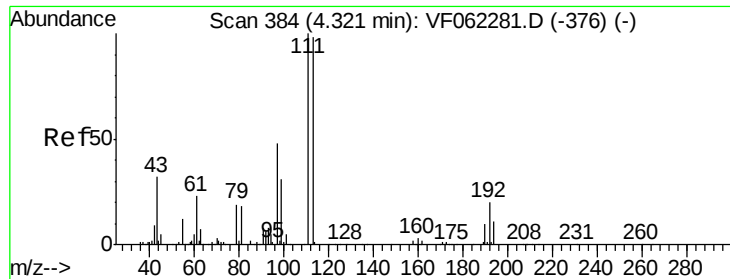


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0





#35

Dibromofluoromethane

Concen: 52.978 ug/l

RT: 4.29 min Scan# 382

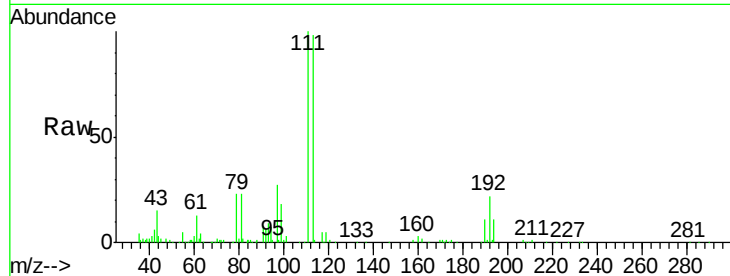
Delta R.T. -0.03 min

Lab File: VF062316.D

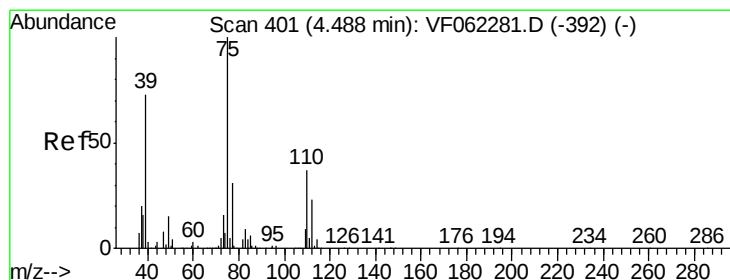
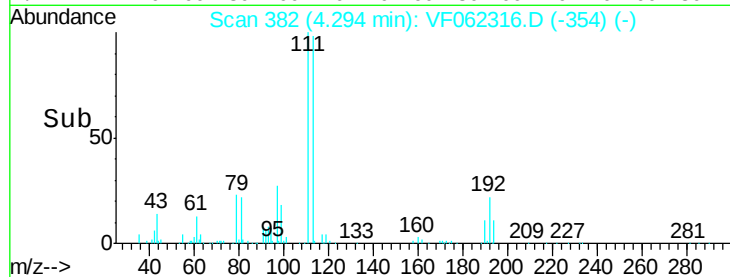
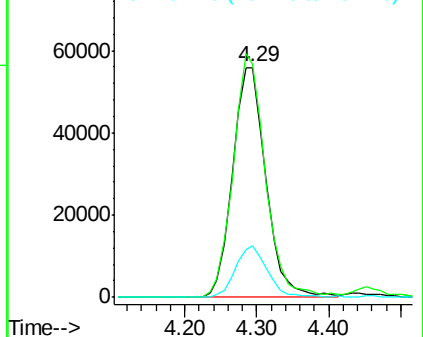
Acq: 29 Apr 2019 16:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	113	Resp:	180247
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.4	122.2
192	21.7	17.0	25.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.625 ug/l

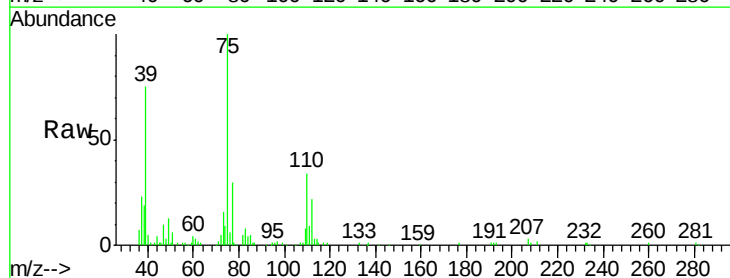
RT: 4.45 min Scan# 398

Delta R.T. -0.04 min

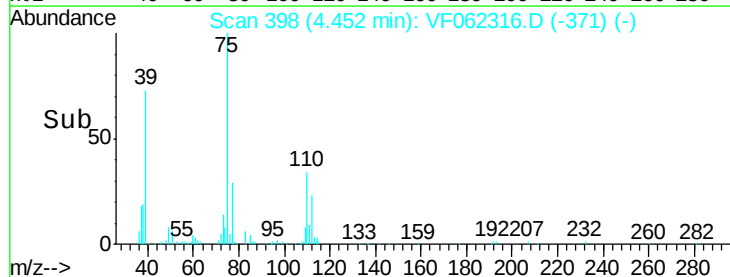
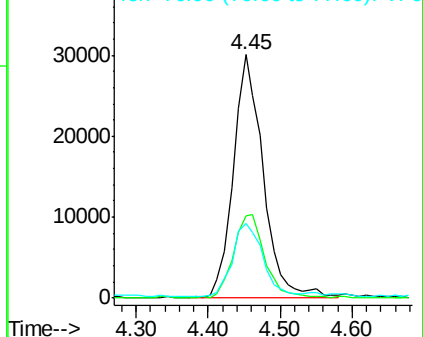
Lab File: VF062316.D

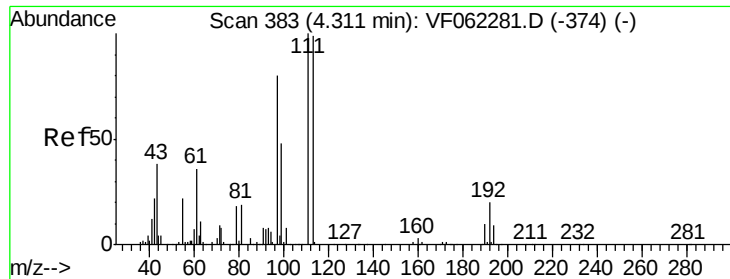
Acq: 29 Apr 2019 16:51

Tgt Ion:	75	Resp:	87316
Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.9	53.8
77	31.0	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): VF0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VF0





#37

Ethyl Acetate

Concen: 19.271 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.02 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :
MSVOA_F
ClientSampleId :

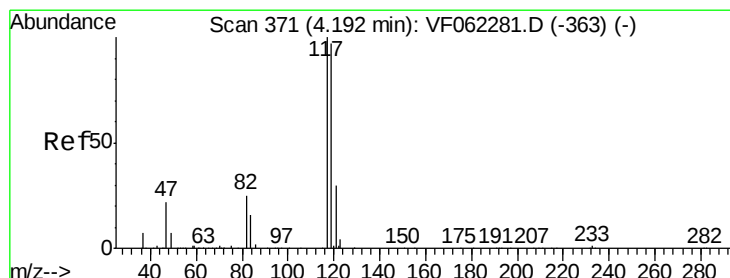
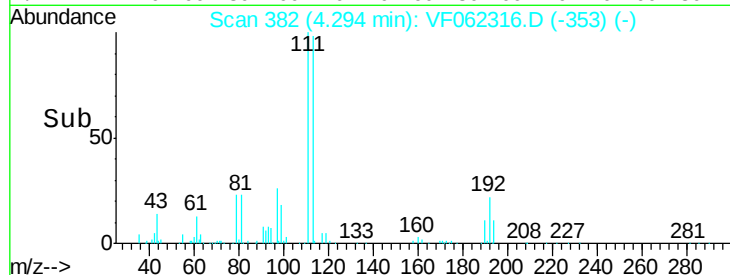
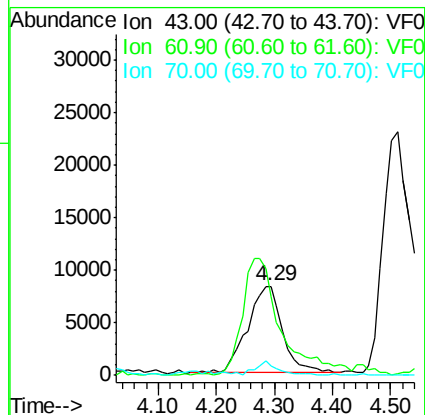
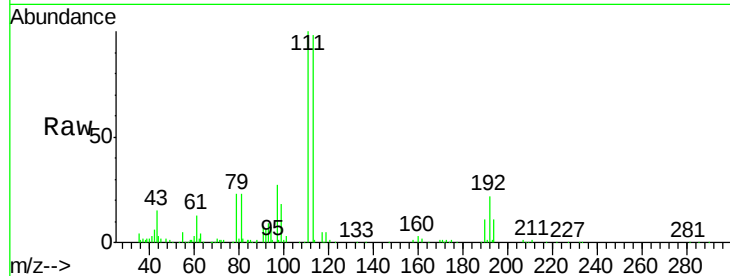
Tot Ion: 43 Resp: 34322

Ion Ratio Lower Upper

43 100

61 150.9 85.8 128.6#

70 10.7 7.3 10.9



#38

Carbon Tetrachloride

Concen: 29.694 ug/l

RT: 4.17 min Scan# 369

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

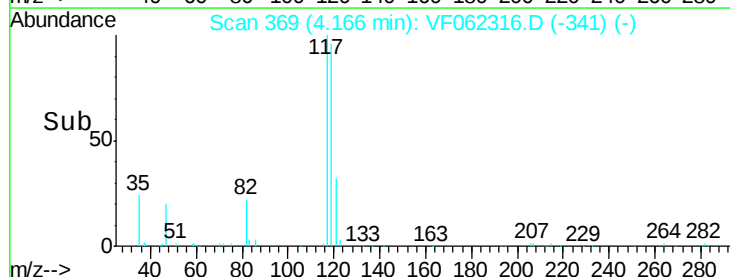
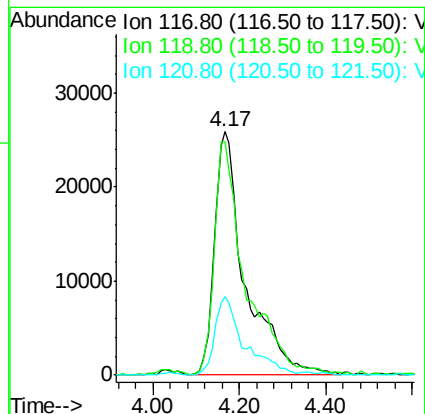
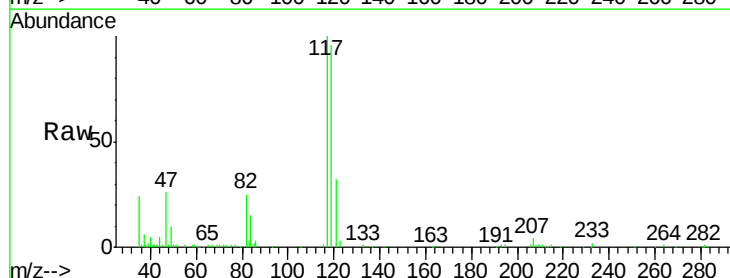
Tgt Ion: 117 Resp: 127793

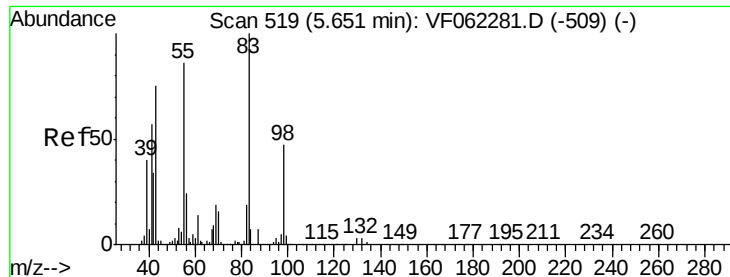
Ion Ratio Lower Upper

117 100

119 95.9 77.3 115.9

121 32.4 24.3 36.5

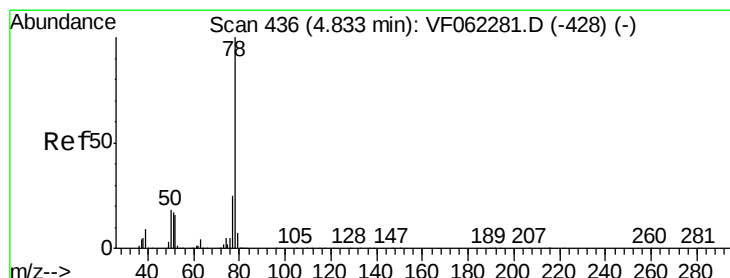
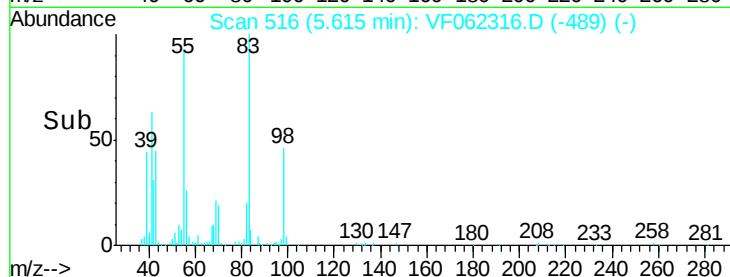
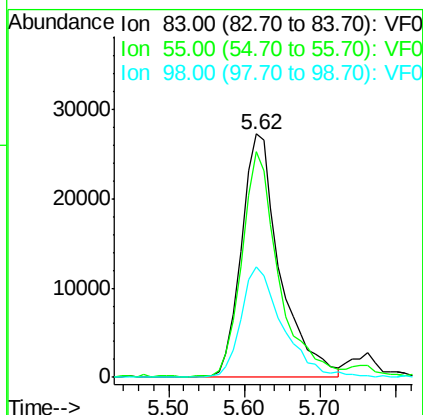
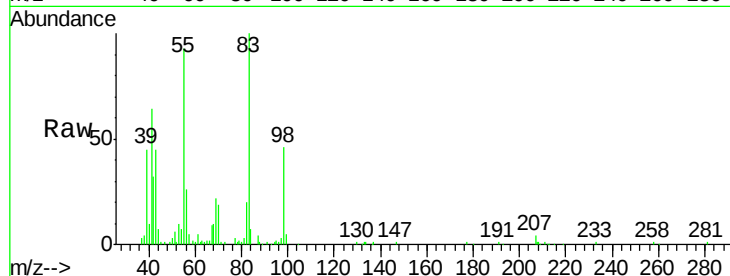




#39
Methvlcvclohexane
Concen: 19.589 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.04 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

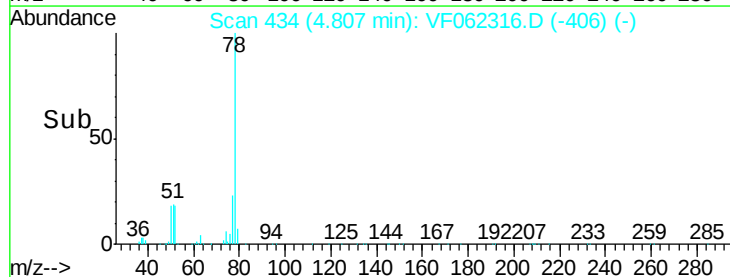
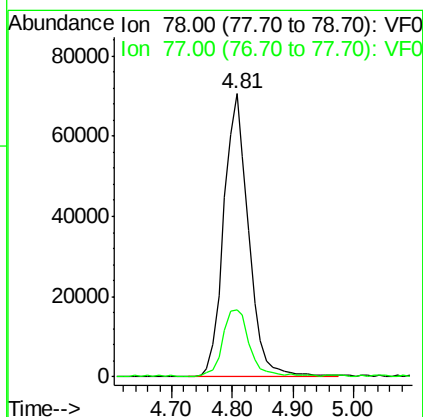
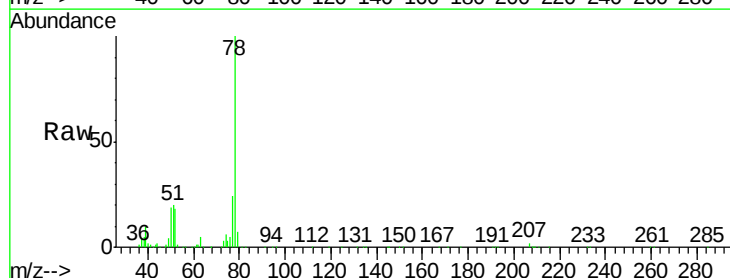
Instrument :
MSVOA_F
ClientSampleId :

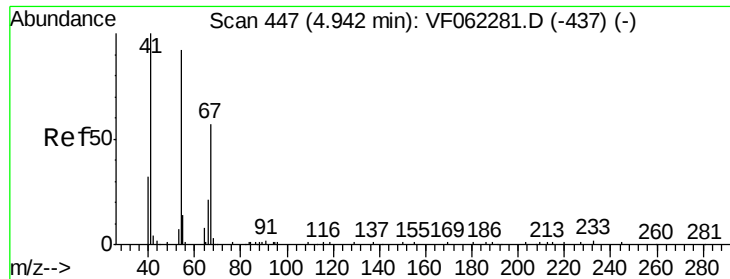
Tot Ion: 83 Resp: 96808
Ion Ratio Lower Upper
83 100
55 92.6 68.7 103.1
98 45.6 37.4 56.2



#40
Benzene
Concen: 19.684 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.03 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 78 Resp: 201333
Ion Ratio Lower Upper
78 100
77 23.6 19.7 29.5

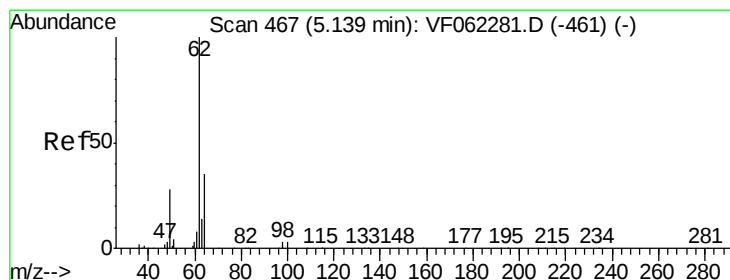
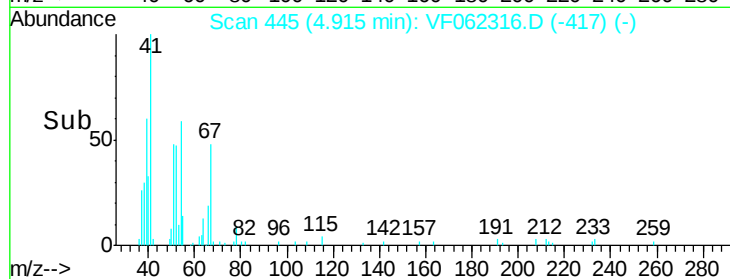
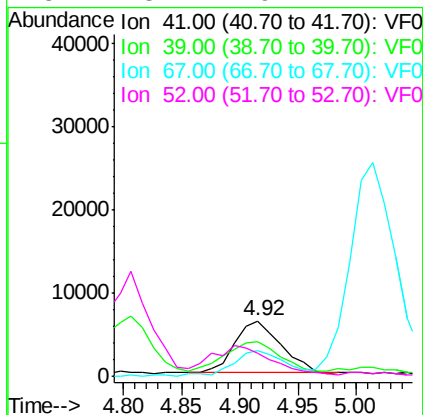
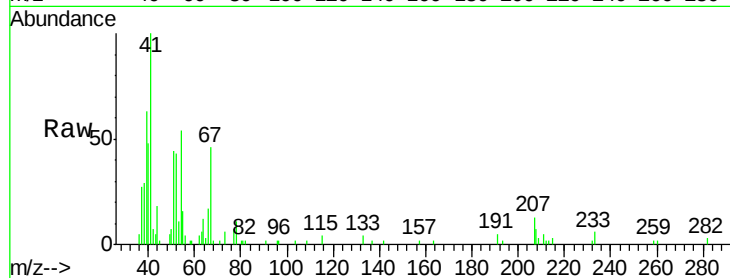




#41
Methacrylonitrile
Concen: 17.416 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.03 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

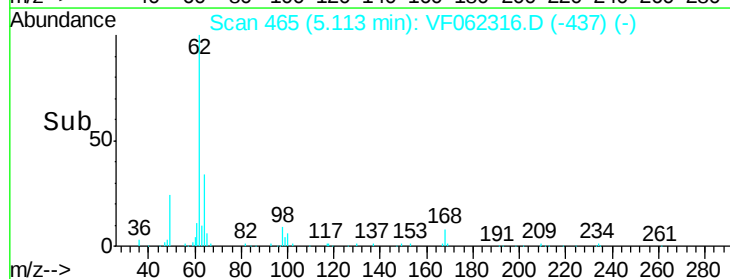
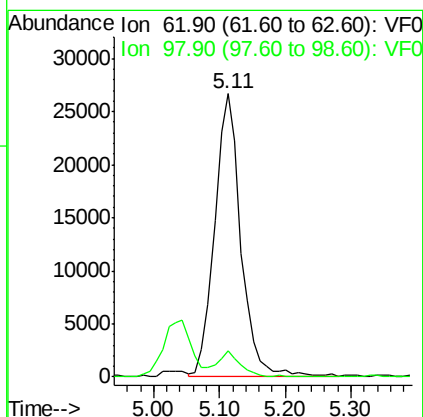
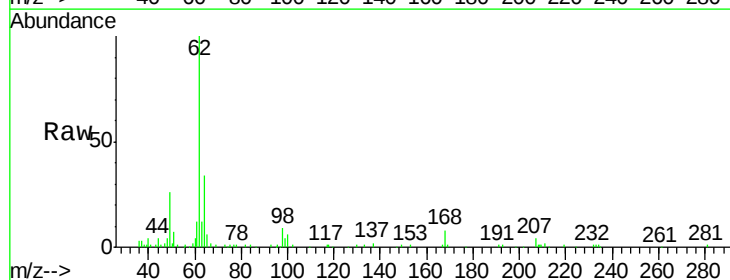
Instrument :
MSVOA_F
ClientSampleId :

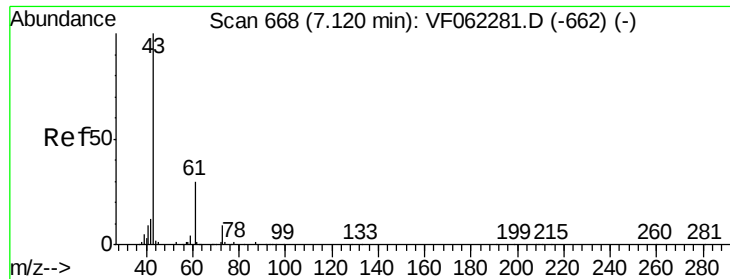
Tot Ion: 41 Resp: 17232
Ion Ratio Lower Upper
41 100
39 78.6 47.3 70.9#
67 55.8 41.3 61.9
52 78.7 49.4 74.2#



#42
1,2-Dichloroethane
Concen: 22.729 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.03 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 62 Resp: 73649
Ion Ratio Lower Upper
62 100
98 7.5 0.0 16.8



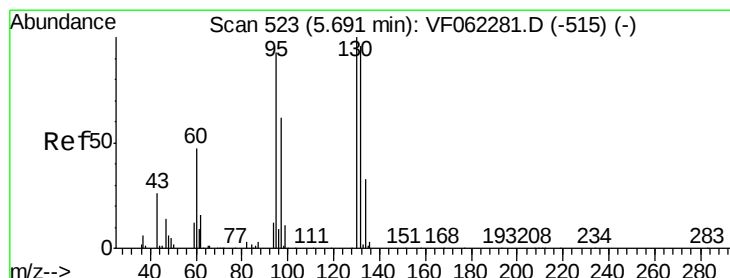
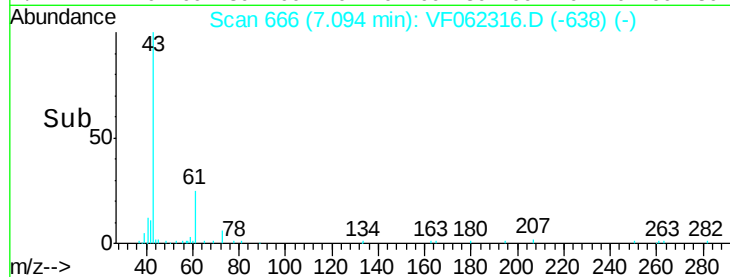
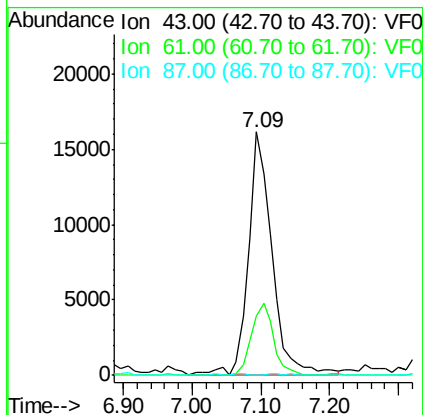
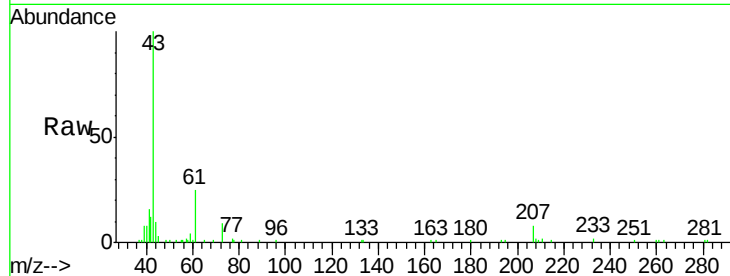


#43

Isopropyl Acetate
 Concen: 21.113 ug/l
 RT: 7.09 min Scan# 666
 Delta R.T. -0.03 min
 Lab File: VF062316.D
 Acq: 29 Apr 2019 16:51

Instrument :
 MSVOA_F
 ClientSampleId :

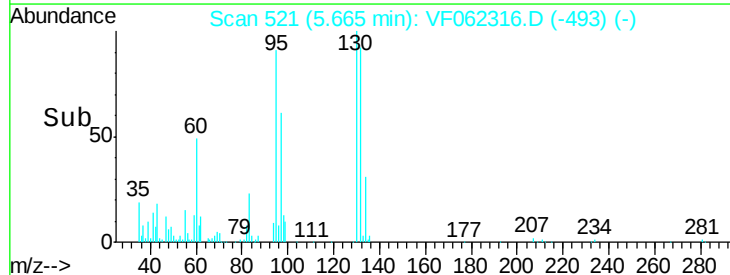
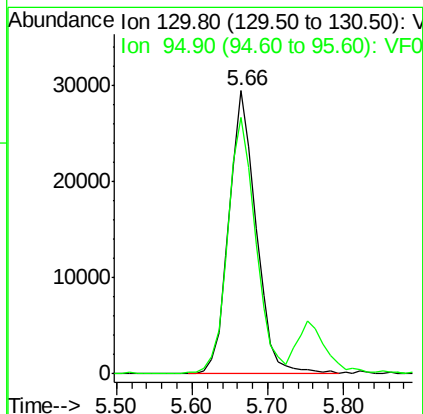
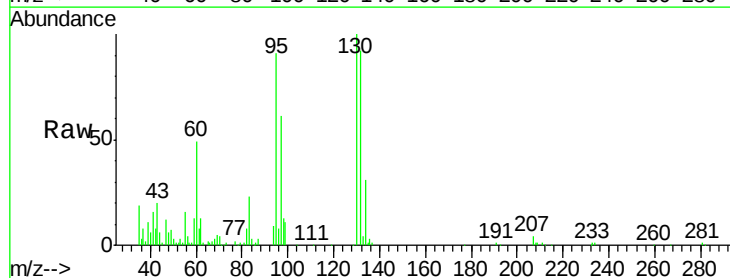
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	23.8	35.6
87	0.4	0.5	0.7#

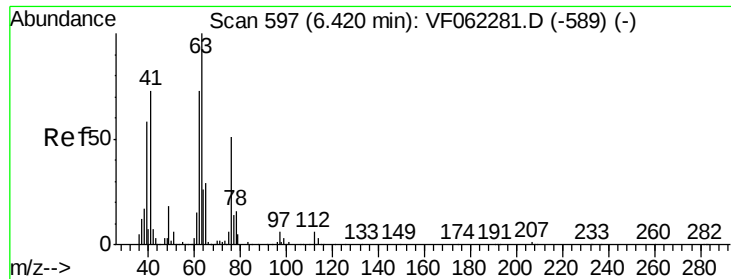


#44

Trichloroethene
 Concen: 21.122 ug/l
 RT: 5.66 min Scan# 521
 Delta R.T. -0.03 min
 Lab File: VF062316.D
 Acq: 29 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	186.4





#45

1,2-Dichloropropane

Concen: 19.058 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

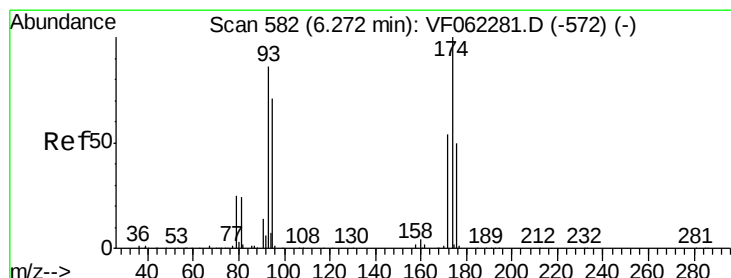
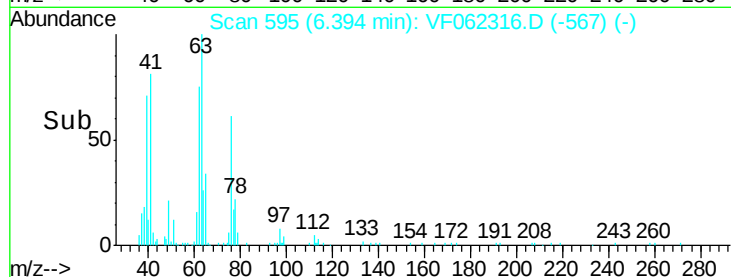
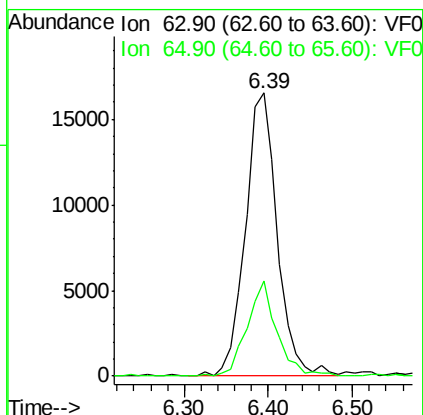
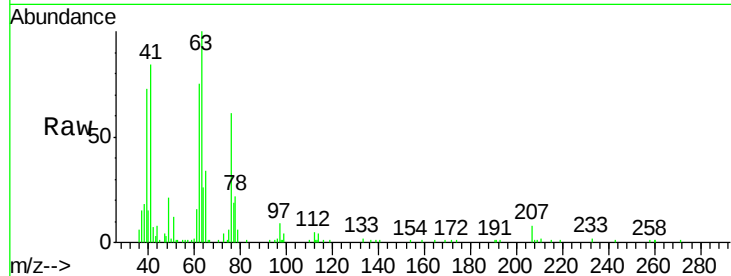
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 43949

Ion Ratio Lower Upper

63 100

65 33.8 23.5 35.3



#46

Dibromomethane

Concen: 22.373 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

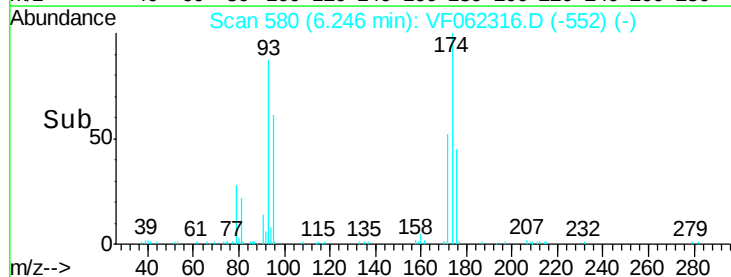
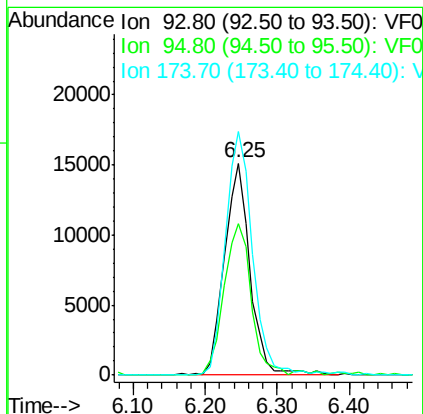
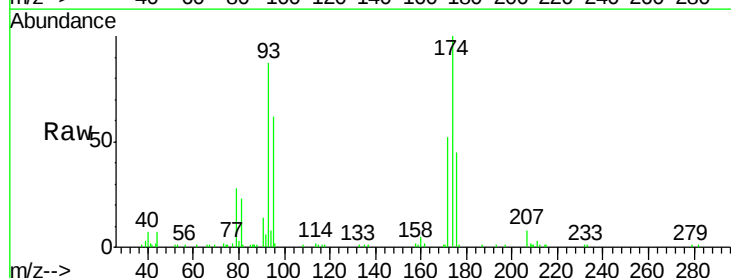
Tgt Ion: 93 Resp: 37255

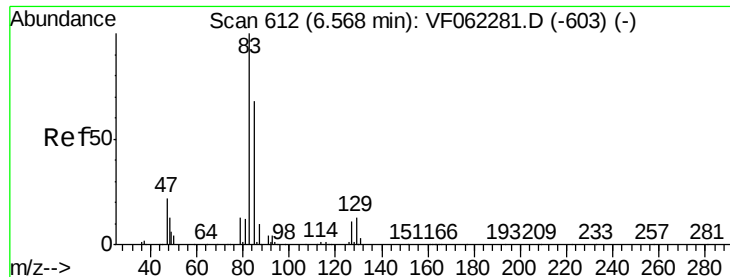
Ion Ratio Lower Upper

93 100

95 75.5 66.2 99.4

174 121.4 94.9 142.3





#47

Bromodichloromethane

Concen: 22.411 ug/l

RT: 6.53 min Scan# 609

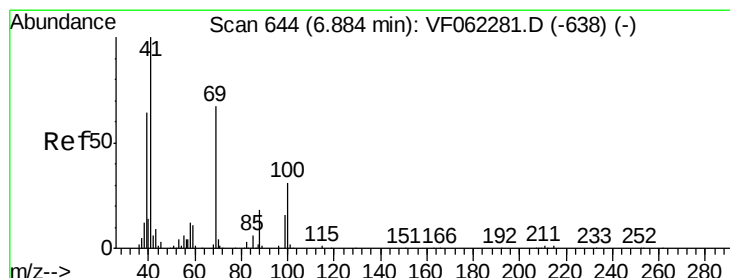
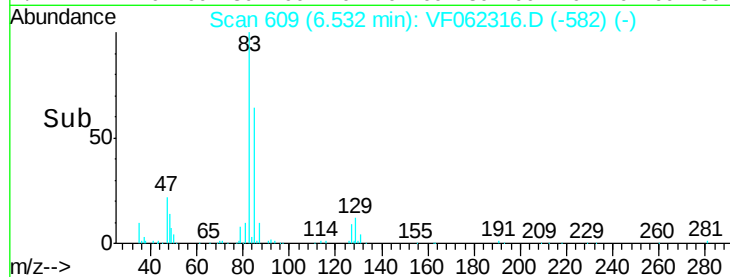
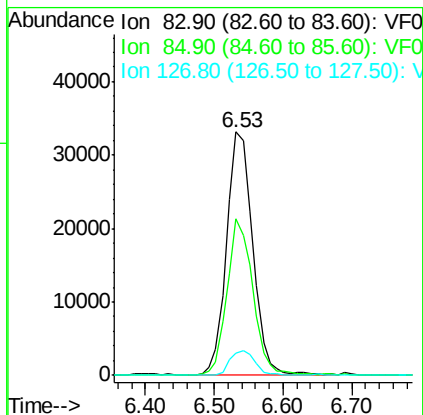
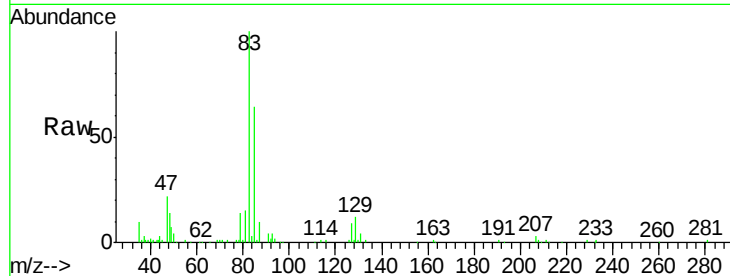
Delta R.T. -0.04 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	83	Resp:	87733
Ion	Ratio	Lower	Upper
83	100		
85	64.5	54.6	81.8
127	9.1	8.7	13.1



#48

Methyl methacrylate

Concen: 20.288 ug/l

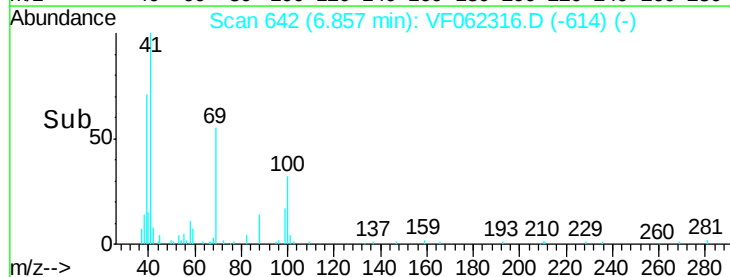
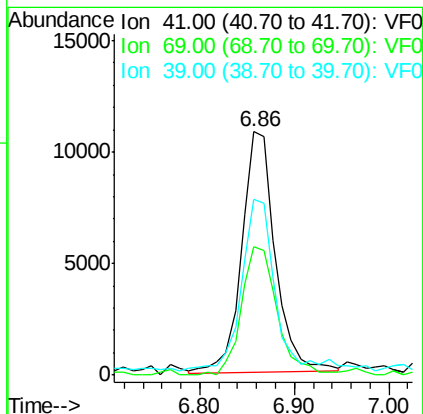
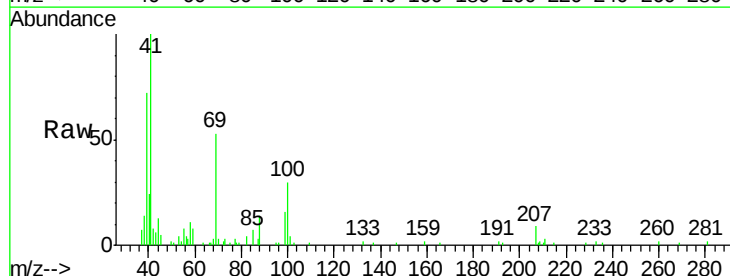
RT: 6.86 min Scan# 642

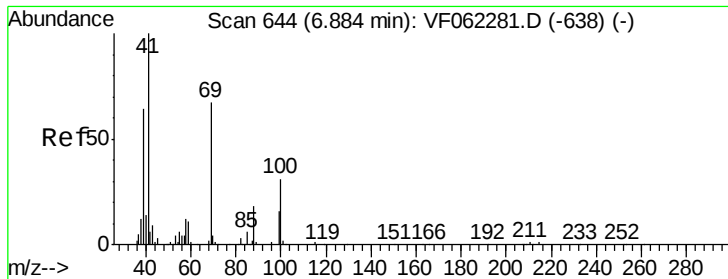
Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Tgt Ion:	41	Resp:	26472
Ion	Ratio	Lower	Upper
41	100		
69	57.1	53.4	80.2
39	72.5	50.9	76.3

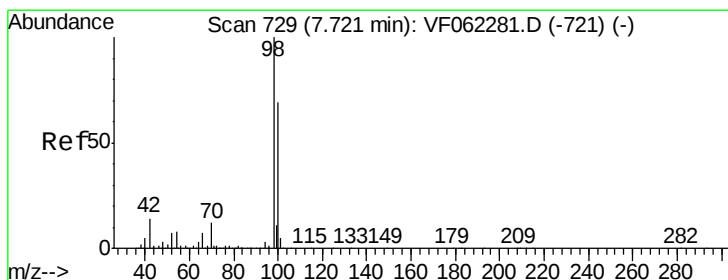
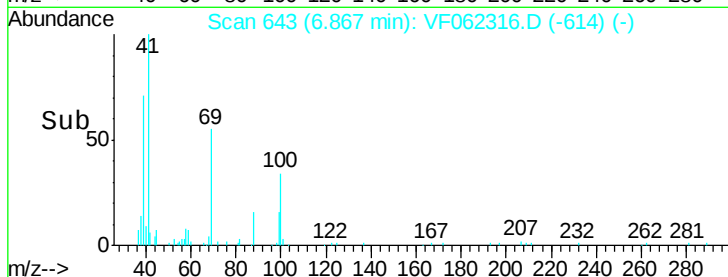
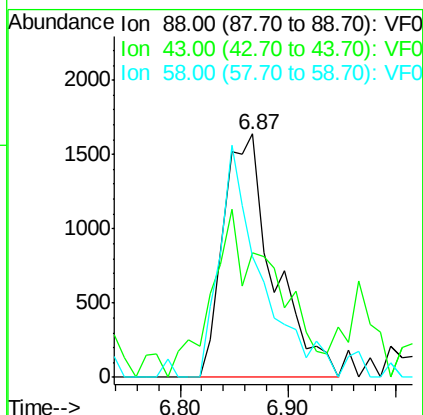
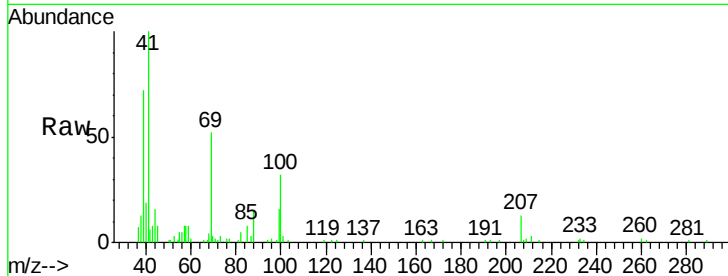




#49
1,4-Dioxane
Concen: 349.880 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.02 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

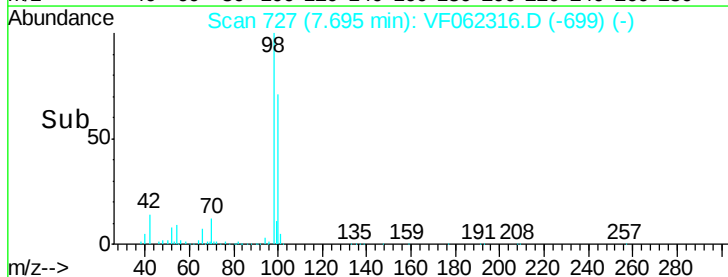
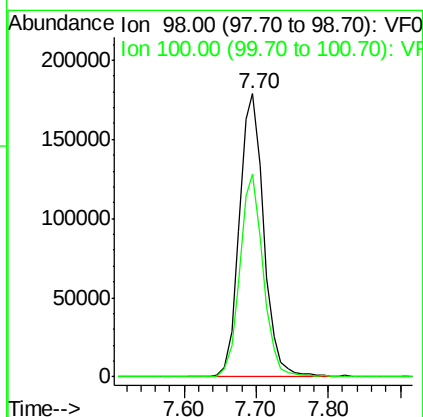
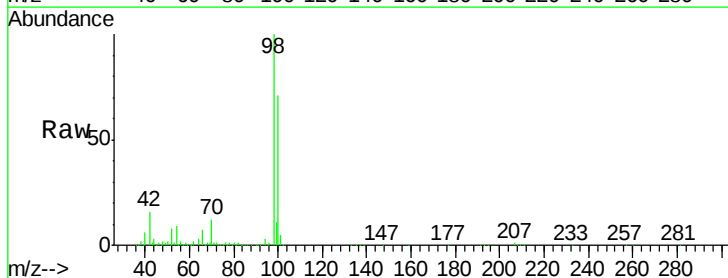
Instrument :
MSVOA_F
ClientSampleId :

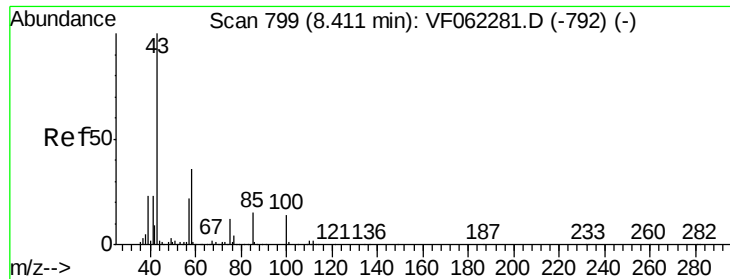
Tot Ion: 88 Resp: 5257
Ion Ratio Lower Upper
88 100
43 87.6 34.2 51.4#
58 79.7 50.7 76.1#



#50
Toluene-d8
Concen: 50.850 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 98 Resp: 422583
Ion Ratio Lower Upper
98 100
100 68.3 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 95.094 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_F

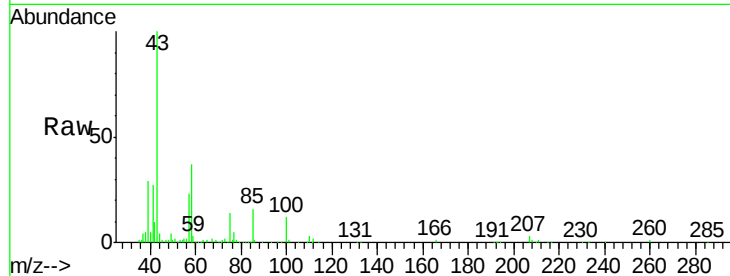
ClientSampled :

Tot Ion: 43 Resp: 133444

Ion Ratio Lower Upper

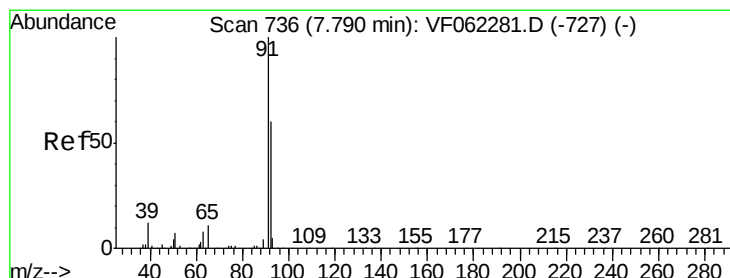
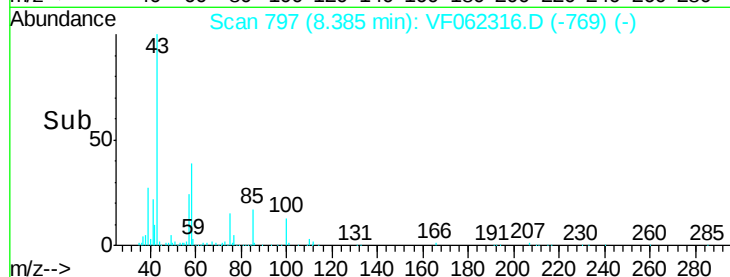
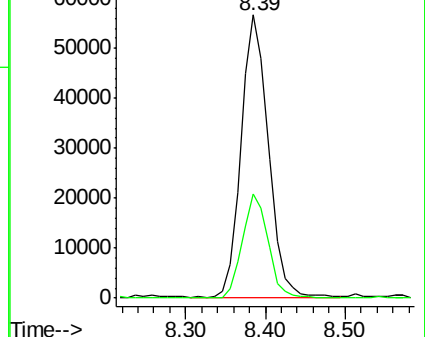
43 100

58 34.9 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.383 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF062316.D

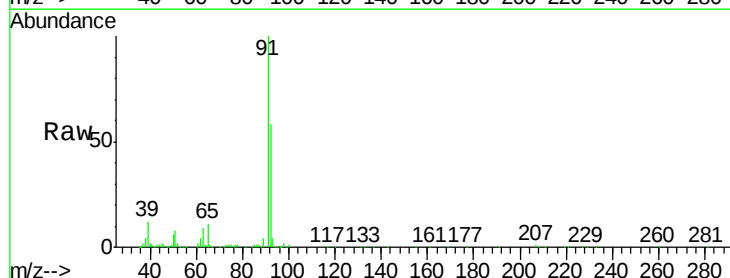
Acq: 29 Apr 2019 16:51

Tgt Ion: 92 Resp: 120303

Ion Ratio Lower Upper

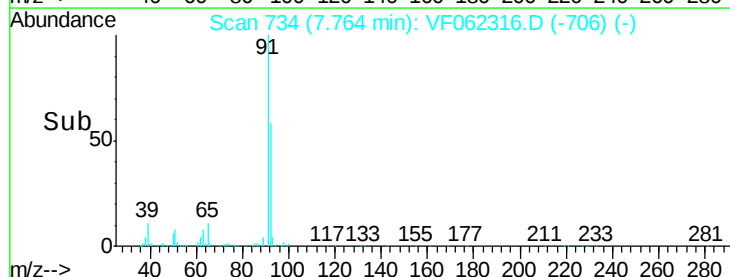
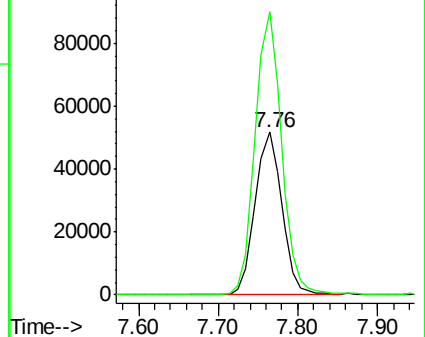
92 100

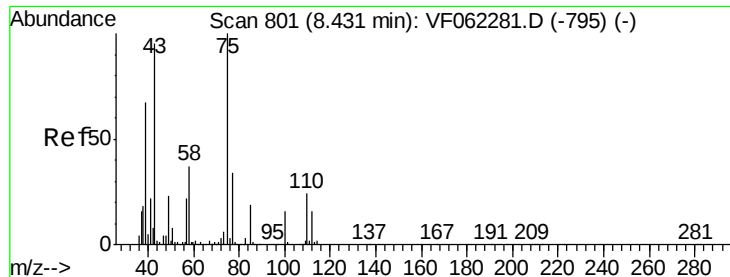
91 171.9 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

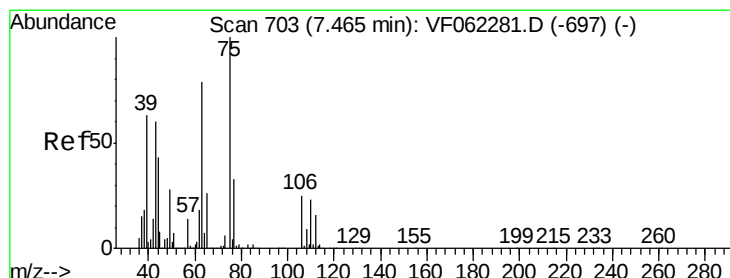
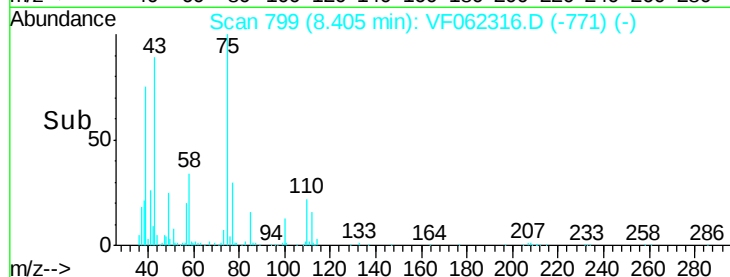
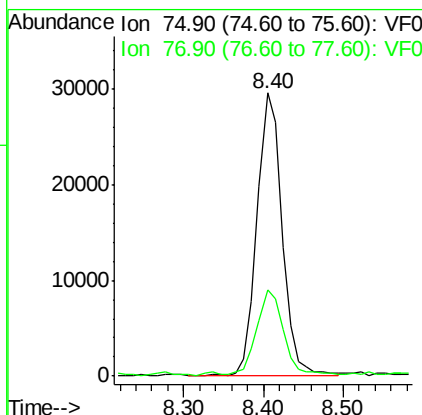
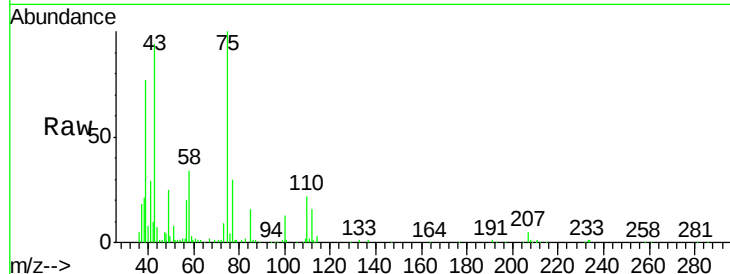




#53
t-1,3-Dichloropropene
Concen: 22.432 ug/l
RT: 8.40 min Scan# 799
Delta R.T. -0.03 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

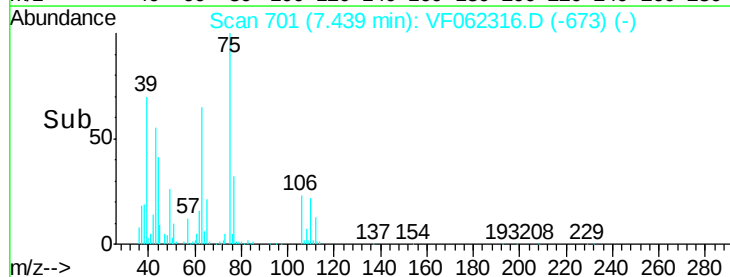
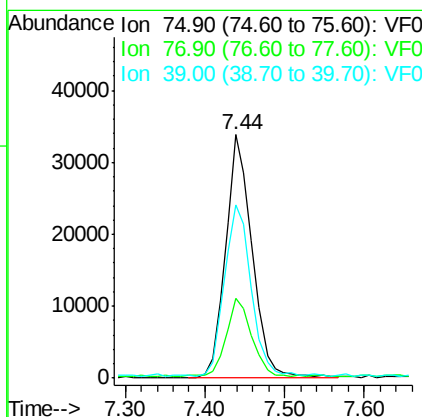
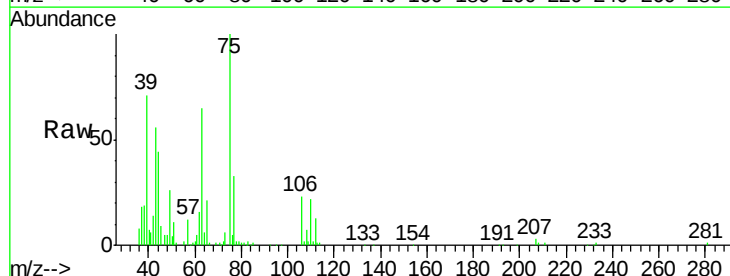
Instrument :
MSVOA_F
ClientSampleId :

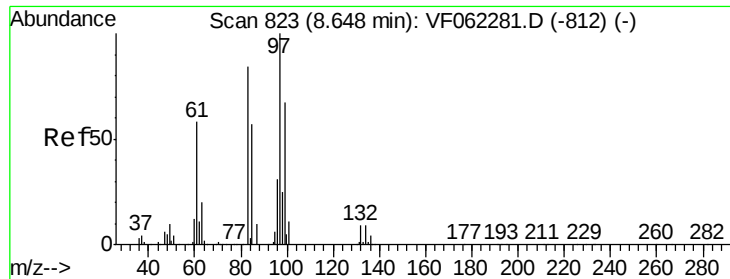
Tot Ion: 75 Resp: 64571
Ion Ratio Lower Upper
75 100
77 29.8 26.9 40.3



#54
cis-1,3-Dichloropropene
Concen: 21.554 ug/l
RT: 7.44 min Scan# 701
Delta R.T. -0.03 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 75 Resp: 79485
Ion Ratio Lower Upper
75 100
77 32.0 26.5 39.7
39 69.9 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 21.927 ug/l

RT: 8.61 min Scan# 820

Delta R.T. -0.04 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

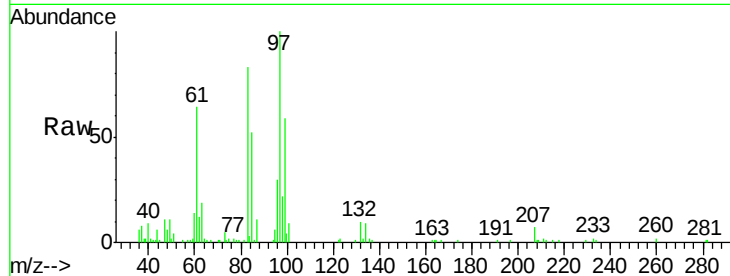
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 36755

Ion	Ratio	Lower	Upper
97	100		
83	82.6	67.5	101.3
85	50.8	45.3	67.9
99	59.2	53.4	80.0



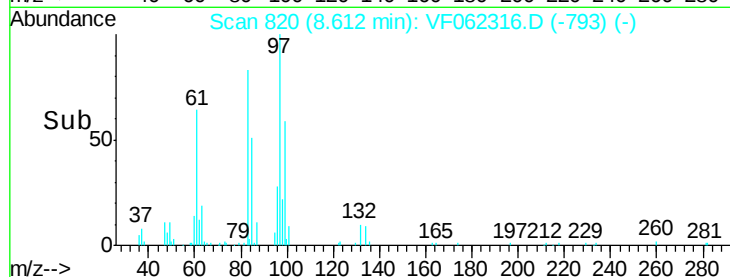
Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

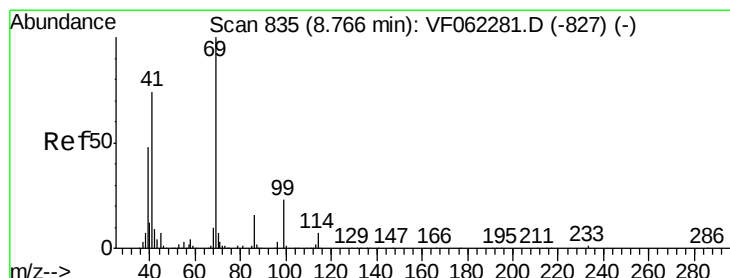
Ion 98.90 (98.60 to 99.60): VF0

Time-->



Abundance

Time-->



#56

Ethyl methacrylate

Concen: 19.994 ug/l

RT: 8.74 min Scan# 833

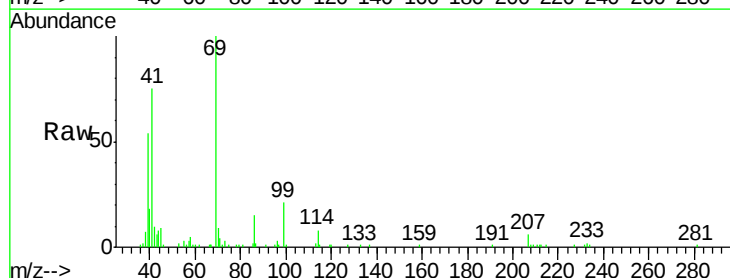
Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Tgt Ion: 69 Resp: 36819

Ion	Ratio	Lower	Upper
69	100		
41	78.5	61.5	92.3
39	53.8	37.9	56.9

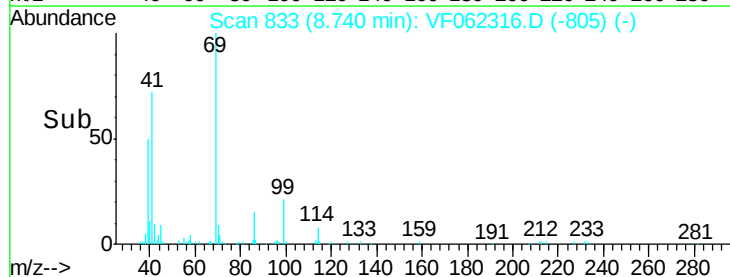


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

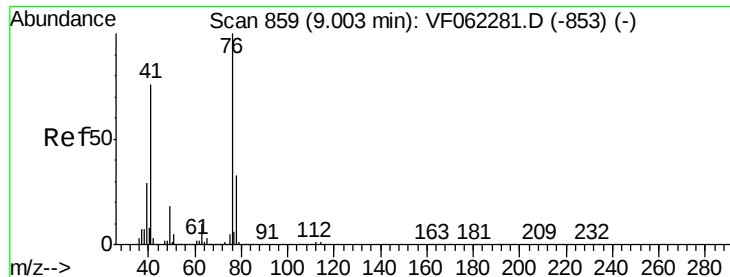
Ion 39.00 (38.70 to 39.70): VF0

Time-->



Abundance

Time-->



#57

1,3-Dichloropropane

Concen: 20.119 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_F

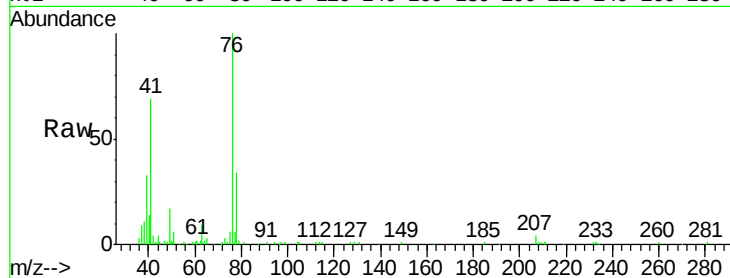
ClientSampleId :

Tot Ion: 76 Resp: 53025

Ion Ratio Lower Upper

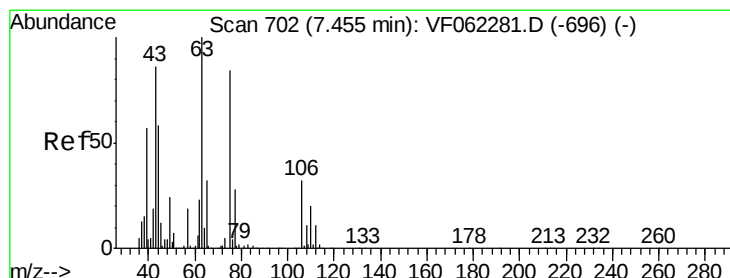
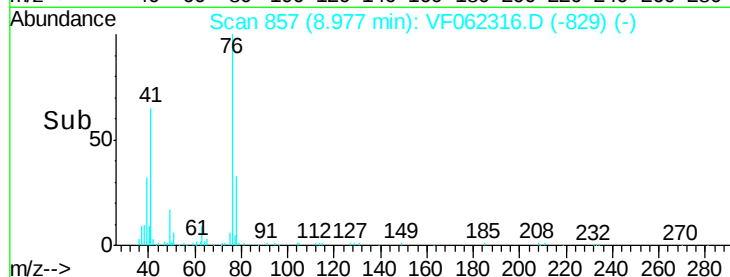
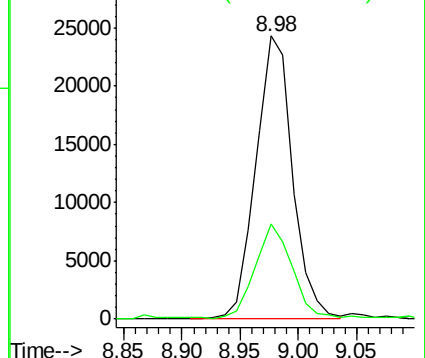
76 100

78 35.0 27.0 40.6



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 98.104 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF062316.D

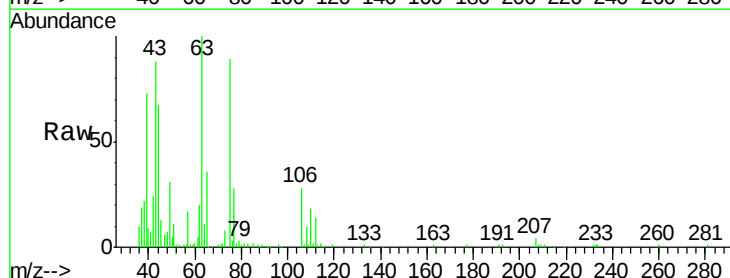
Acq: 29 Apr 2019 16:51

Tgt Ion: 63 Resp: 54973

Ion Ratio Lower Upper

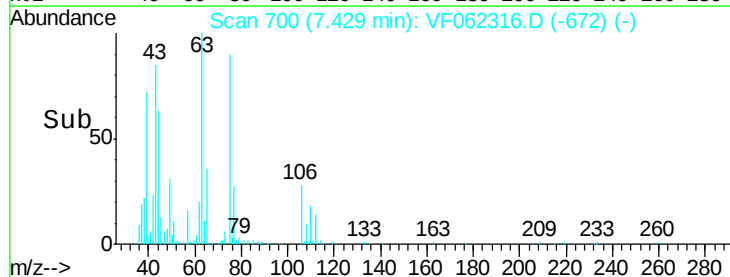
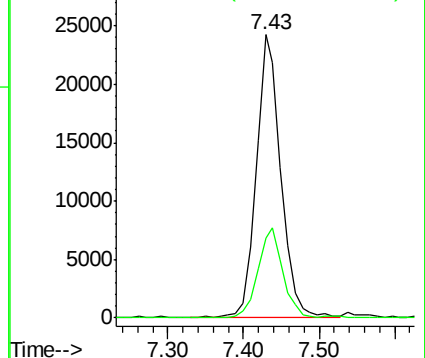
63 100

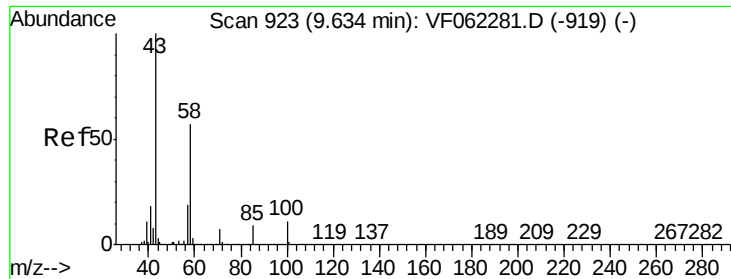
106 31.8 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

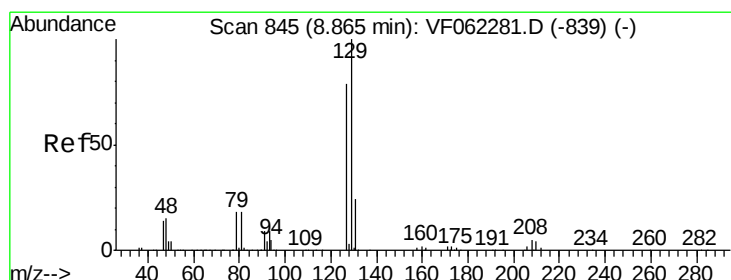
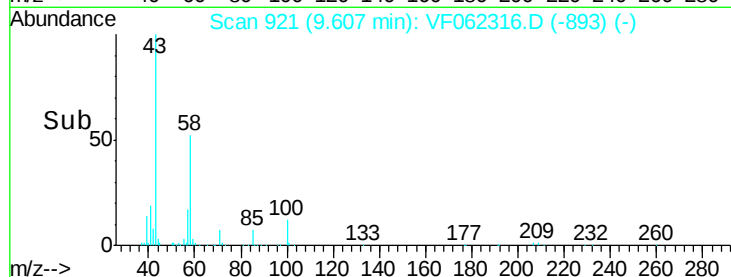
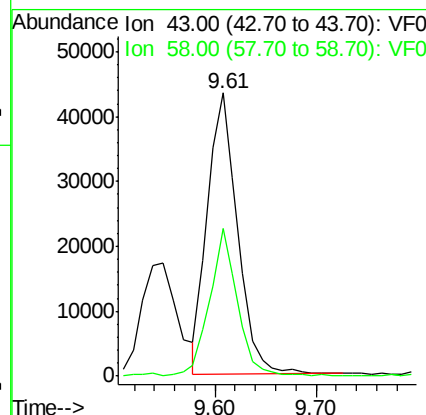
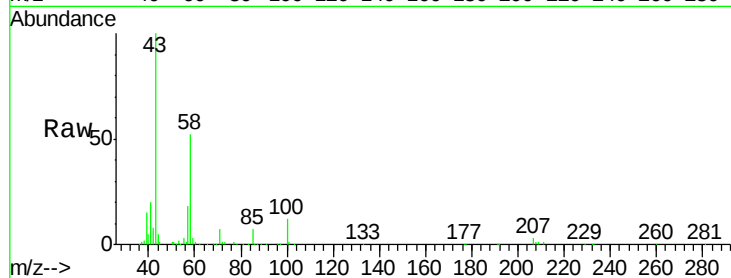




#59
2-Hexanone
Concen: 96.651 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.03 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

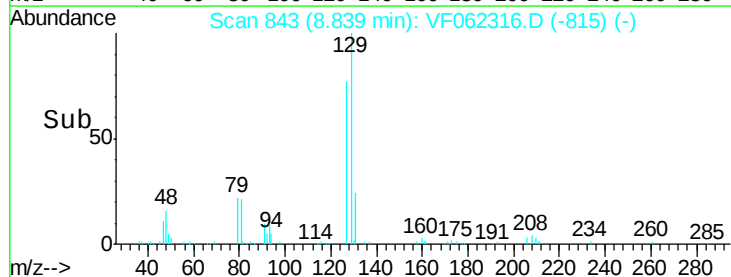
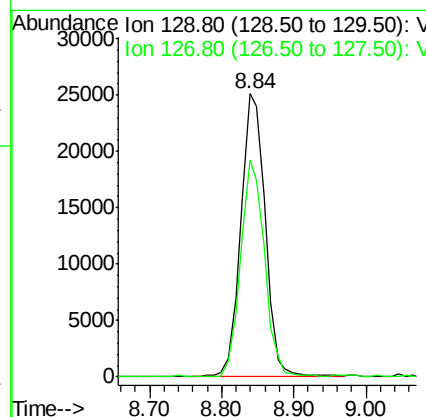
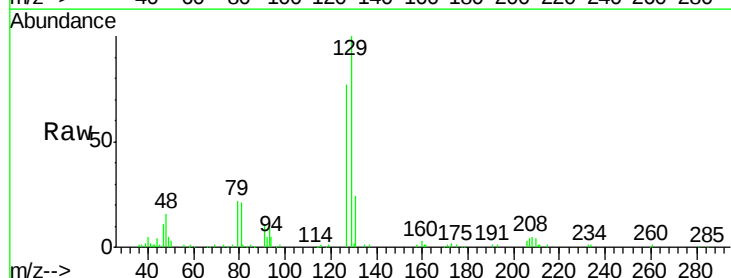
Instrument :
MSVOA_F
ClientSampleId :

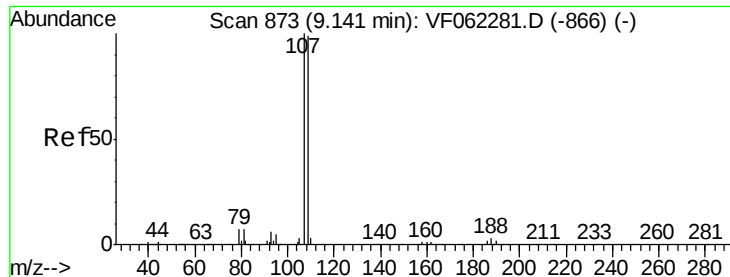
Tot Ion: 43 Resp: 90246
Ion Ratio Lower Upper
43 100
58 49.5 24.9 74.7



#60
Dibromochloromethane
Concen: 21.910 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.03 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 129 Resp: 59608
Ion Ratio Lower Upper
129 100
127 74.9 38.8 116.4





#61

1,2-Dibromoethane

Concen: 22.114 ug/l

RT: 9.11 min Scan# 871

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

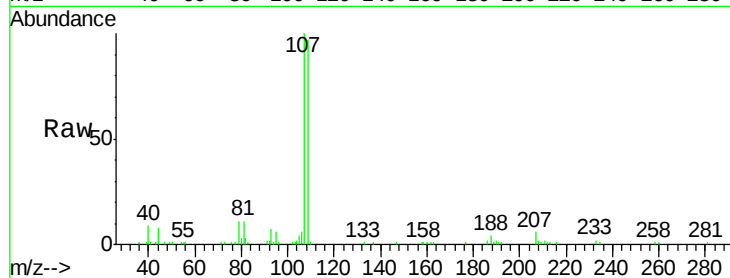
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 107 Resp: 42902

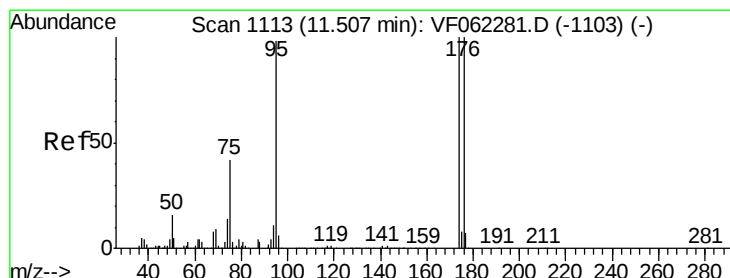
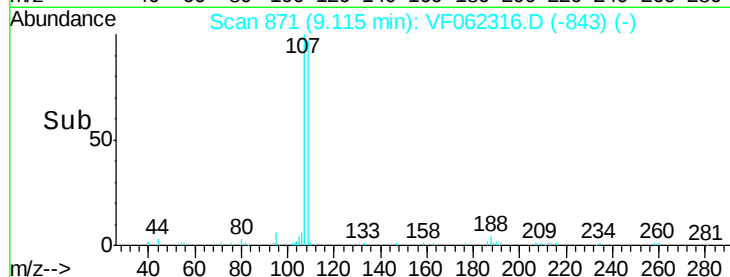
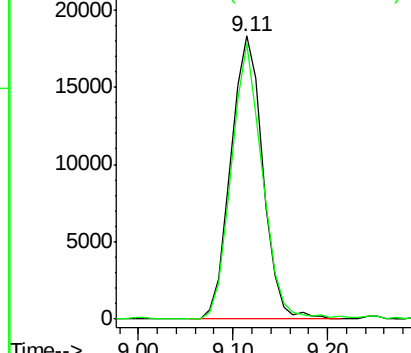
Ion Ratio Lower Upper

107 100

109 94.7 78.7 118.1



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.294 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

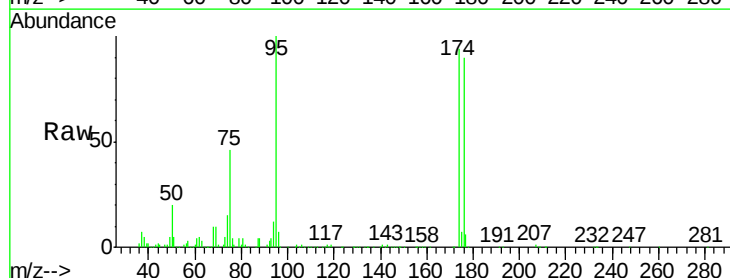
Tgt Ion: 95 Resp: 185982

Ion Ratio Lower Upper

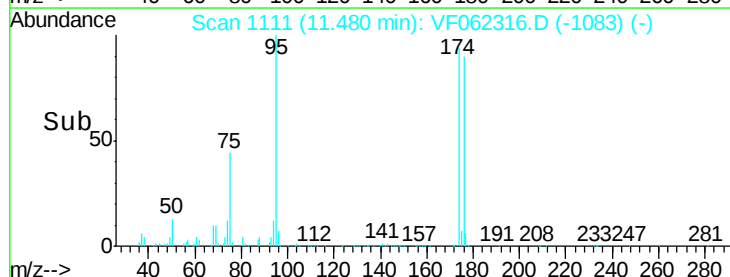
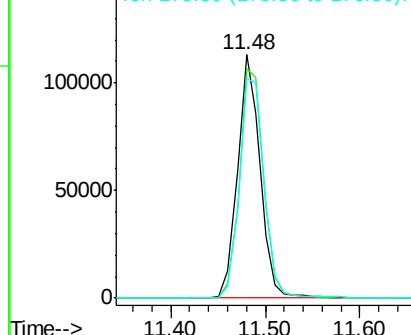
95 100

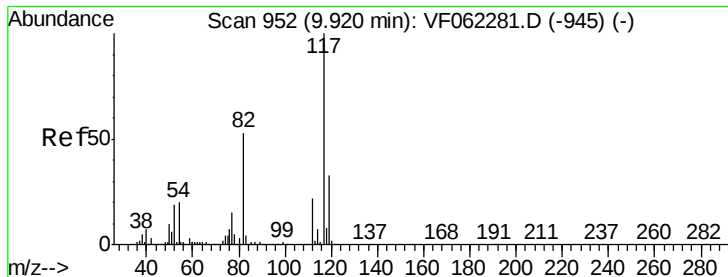
174 101.3 0.0 185.2

176 99.9 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VF0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

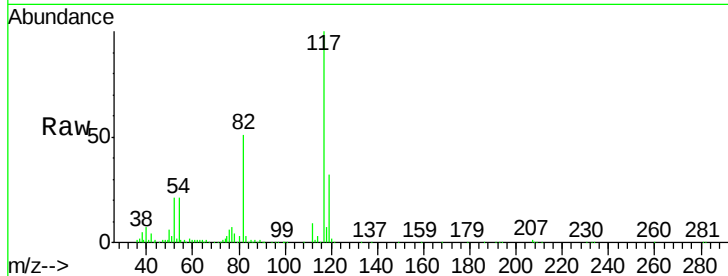




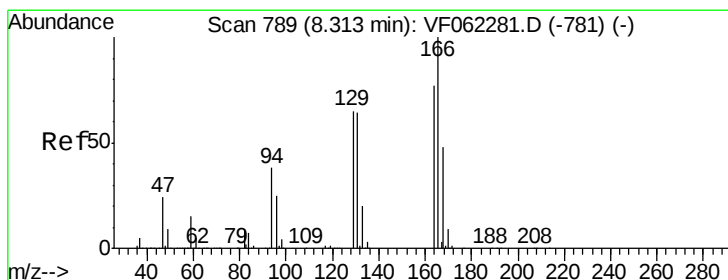
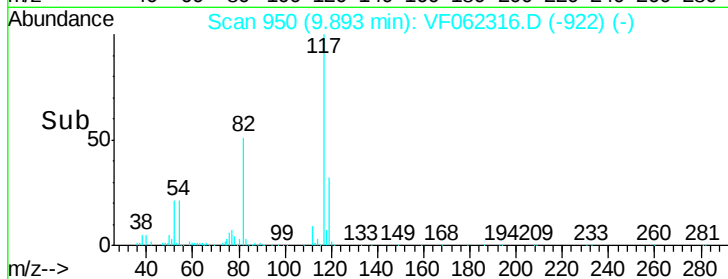
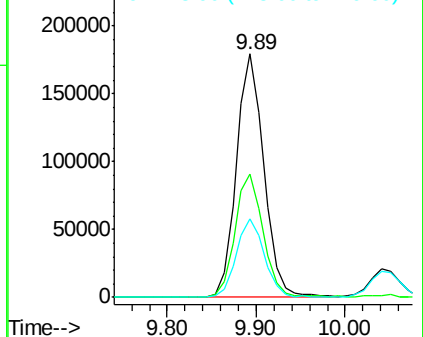
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.03 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	42.6	64.0
119	32.0	26.1	39.1



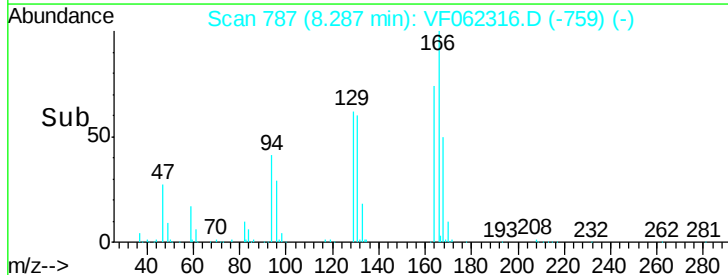
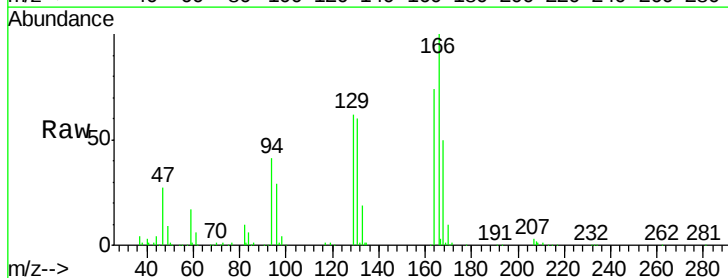
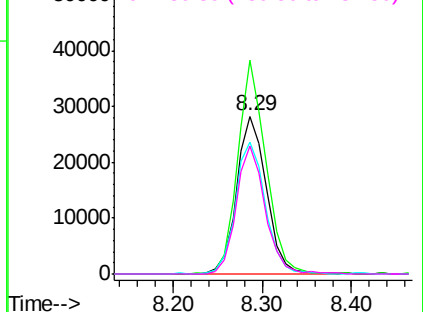
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

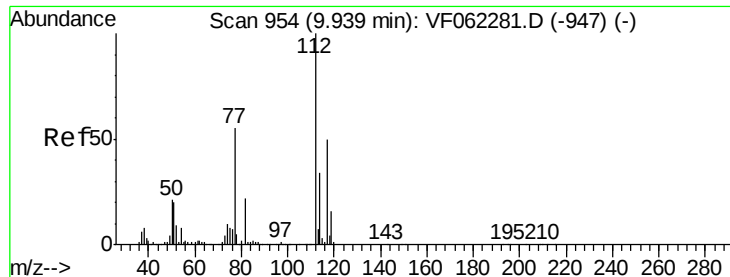


#64
Tetrachloroethene
Concen: 20.303 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.03 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.1	103.5	155.3
129	83.5	67.6	101.4
131	81.1	66.1	99.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.396 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_F

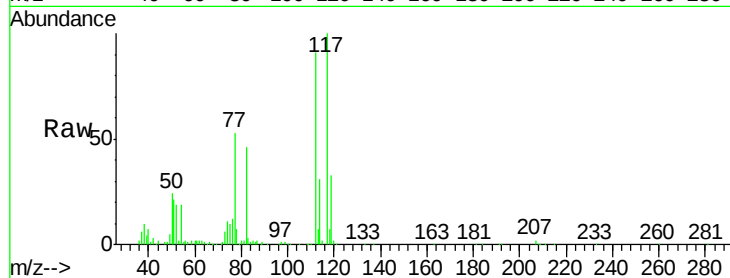
ClientSampleId :

Tot Ion:112 Resp: 136755

Ion Ratio Lower Upper

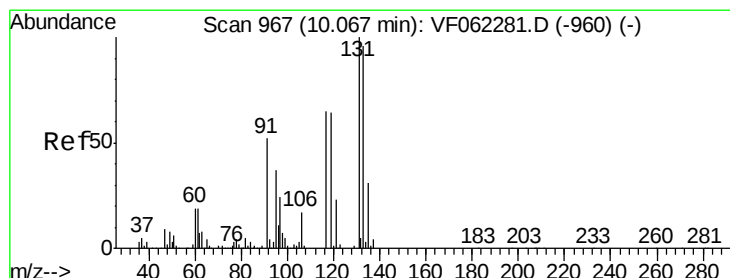
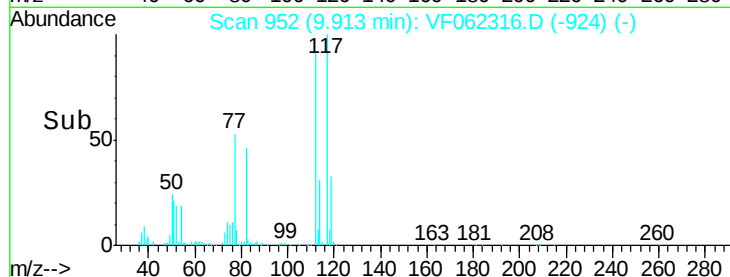
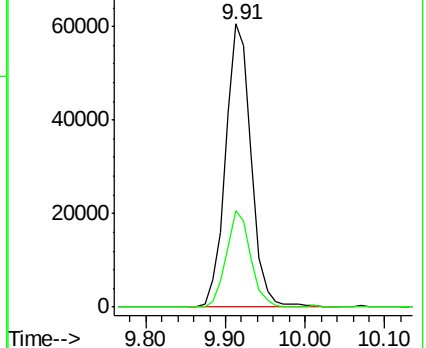
112 100

114 34.3 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: 21.162 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

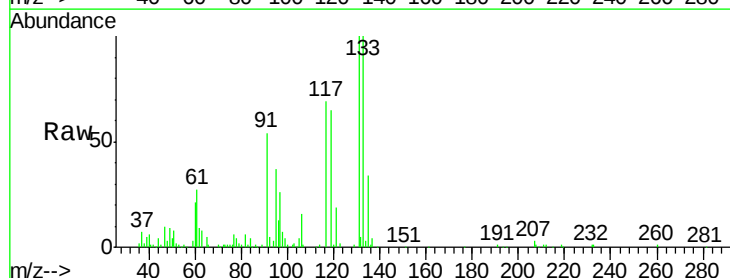
Tgt Ion:131 Resp: 70280

Ion Ratio Lower Upper

131 100

133 97.4 48.5 145.5

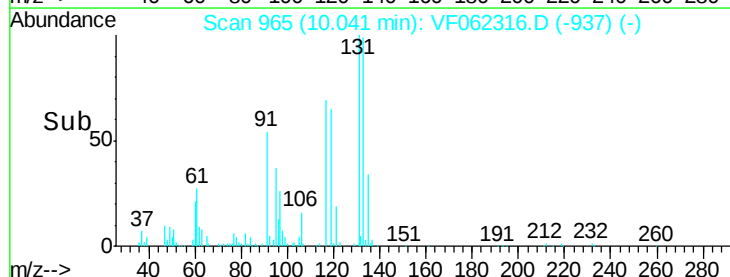
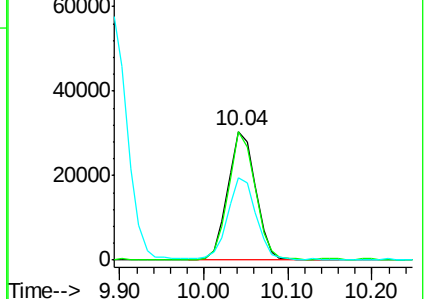
119 65.2 32.9 98.7

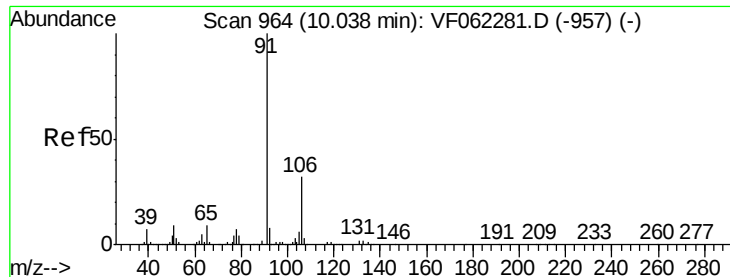


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.516 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

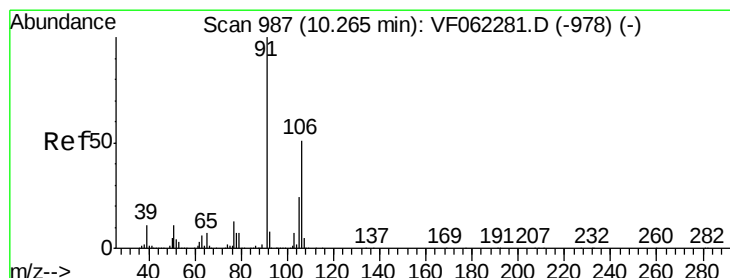
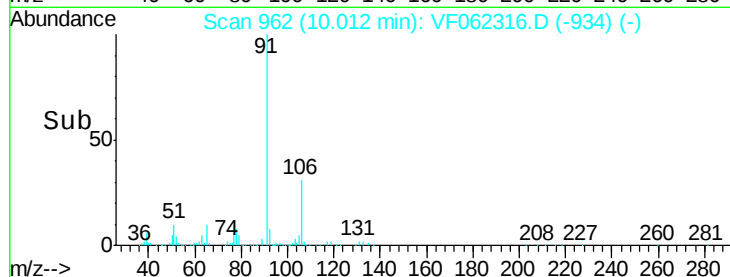
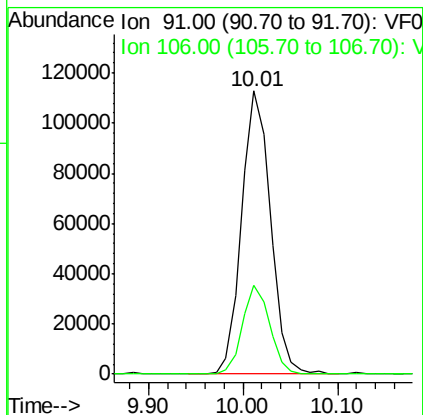
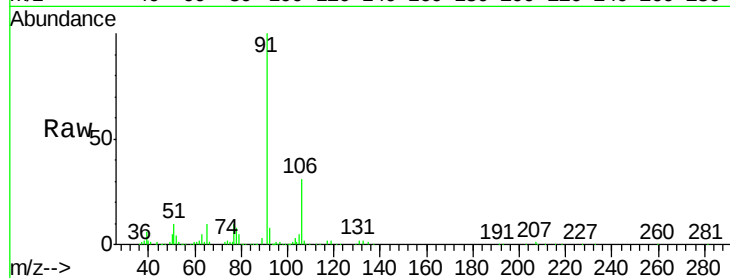
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 239223

Ion Ratio Lower Upper

91 100

106 31.4 25.6 38.4



#68

m/p-Xylenes

Concen: 40.131 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.03 min

Lab File: VF062316.D

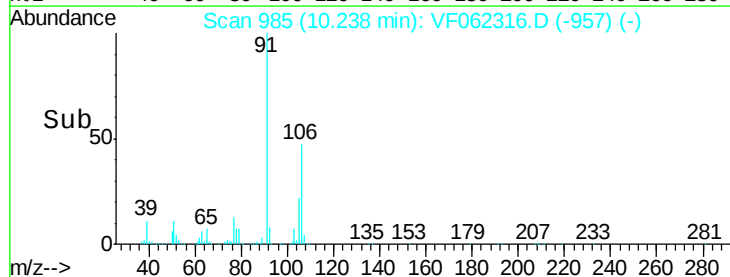
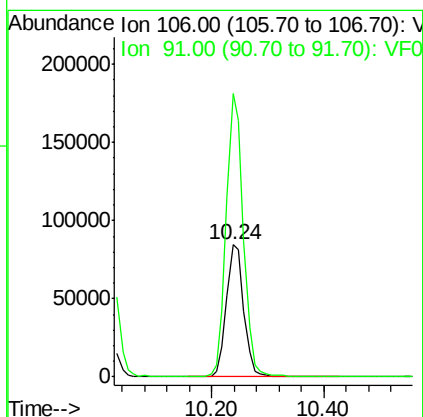
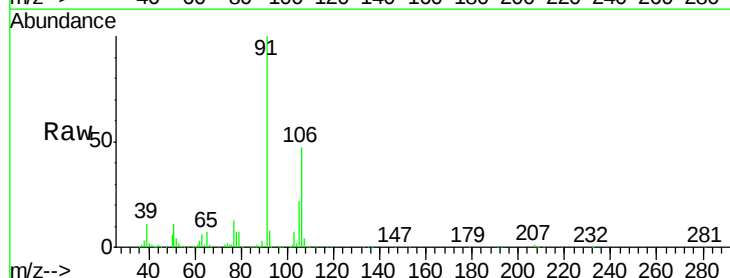
Acq: 29 Apr 2019 16:51

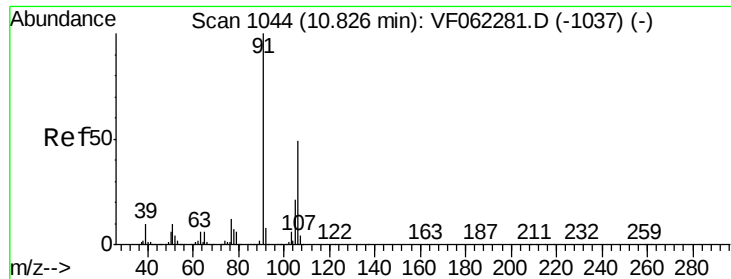
Tgt Ion: 106 Resp: 183143

Ion Ratio Lower Upper

106 100

91 208.7 158.3 237.5

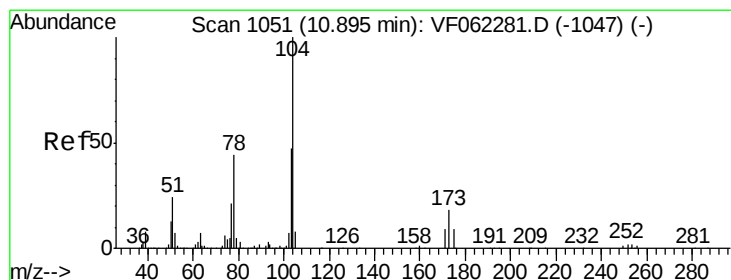
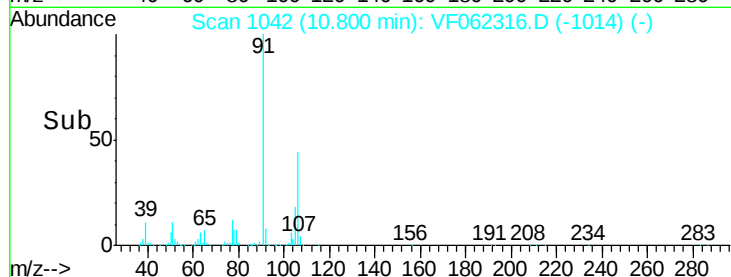
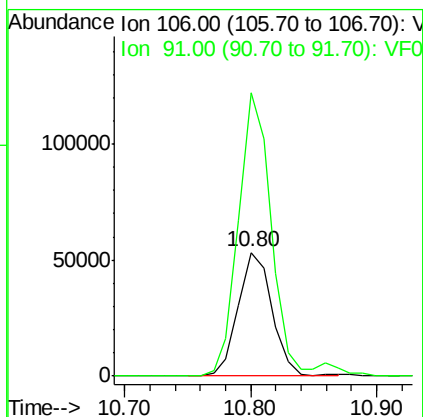
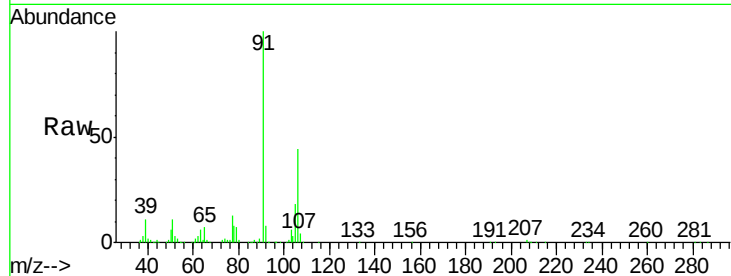




#69
o-Xylene
Concen: 19.618 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.03 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

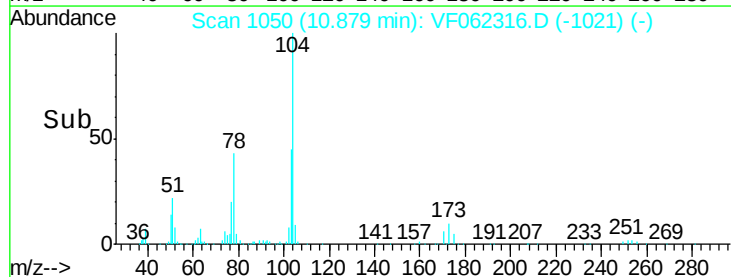
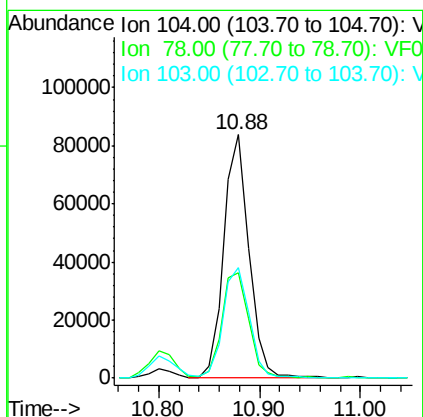
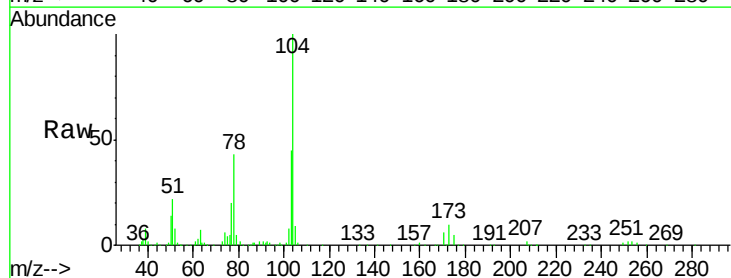
Instrument :
MSVOA_F
ClientSampleId :

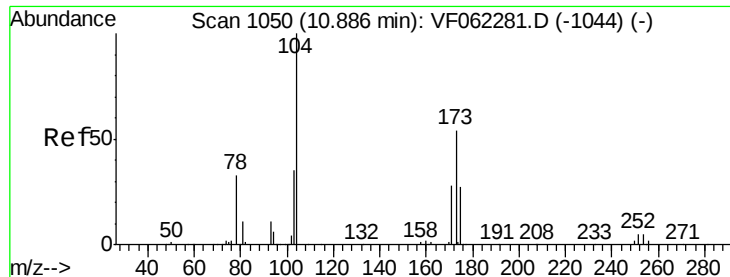
Tot Ion:106 Resp: 100027
Ion Ratio Lower Upper
106 100
91 218.4 110.0 330.0



#70
Styrene
Concen: 19.568 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion:104 Resp: 144229
Ion Ratio Lower Upper
104 100
78 47.0 35.9 53.9
103 47.6 37.5 56.3





#71

Bromoform

Concen: 20.462 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.02 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_F

ClientSampled :

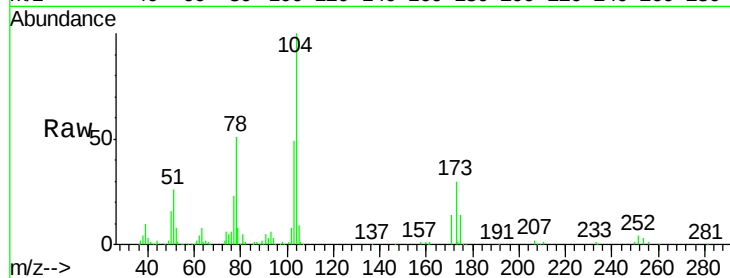
Tot Ion:173 Resp: 38251

Ion Ratio Lower Upper

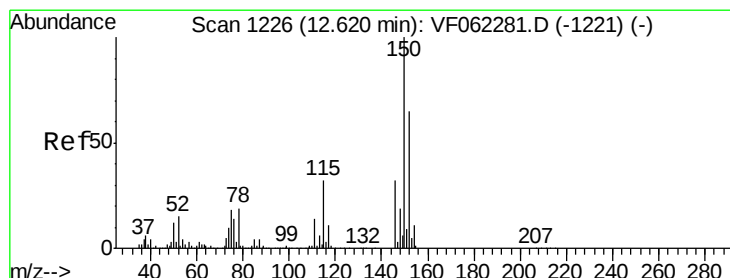
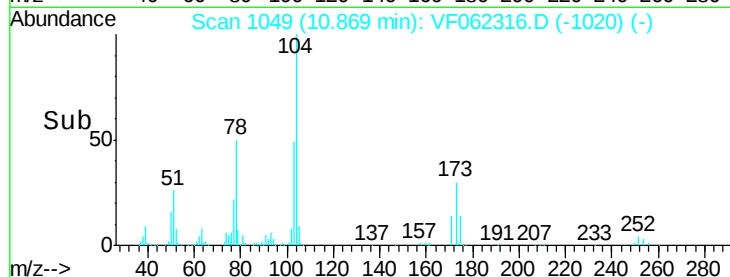
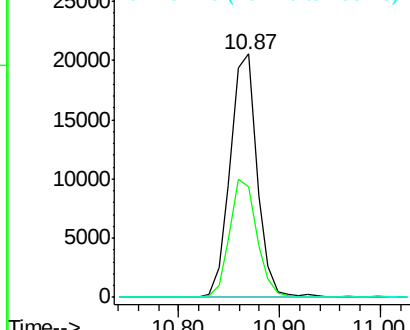
173 100

175 49.0 25.3 75.9

254 0.0 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: 12.60 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

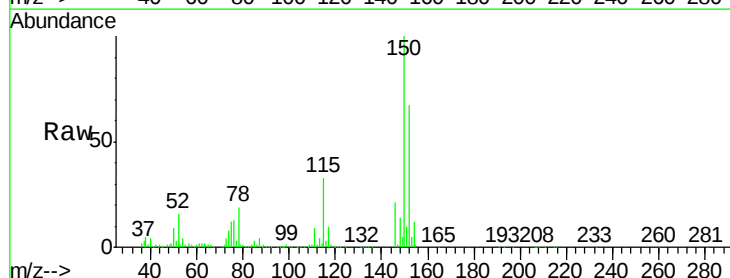
Tgt Ion:152 Resp: 238748

Ion Ratio Lower Upper

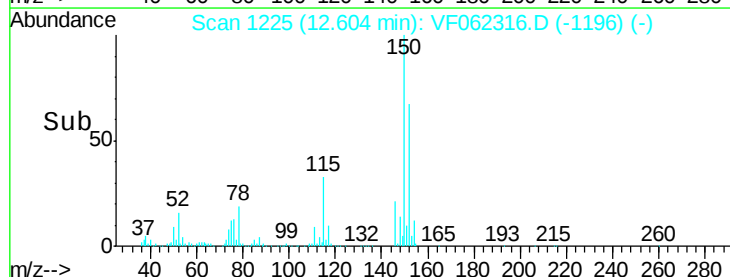
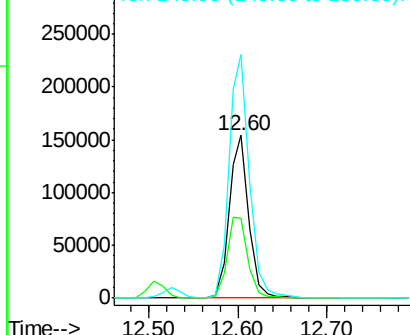
152 100

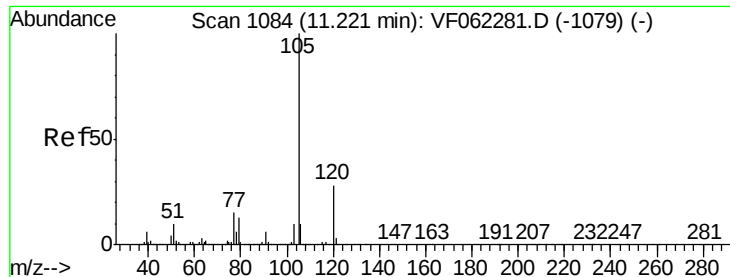
115 53.4 25.6 76.8

150 156.3 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: 19.819 ug/l

RT: 11.20 min Scan# 1083

Delta R.T. -0.02 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_F

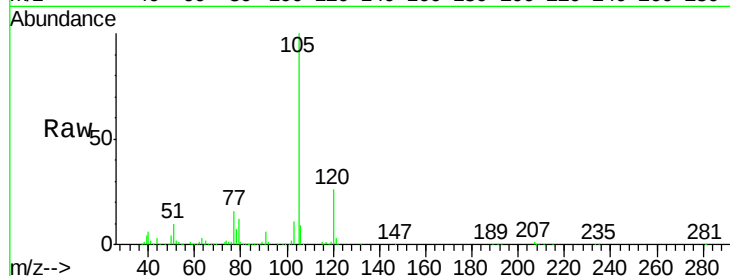
ClientSampleId :

Tot Ion:105 Resp: 324194

Ion Ratio Lower Upper

105 100

120 26.2 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.20

200000

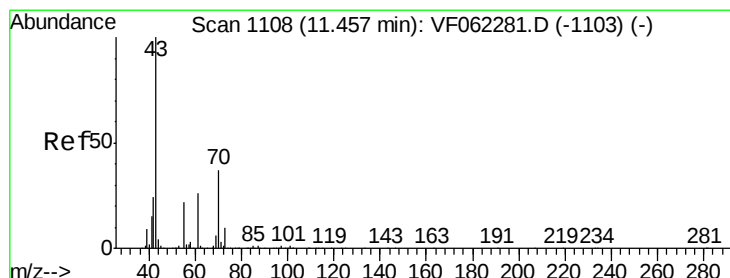
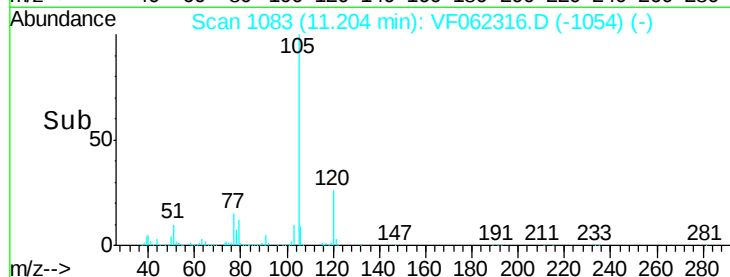
150000

100000

50000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 15.336 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Tgt Ion: 43 Resp: 57803

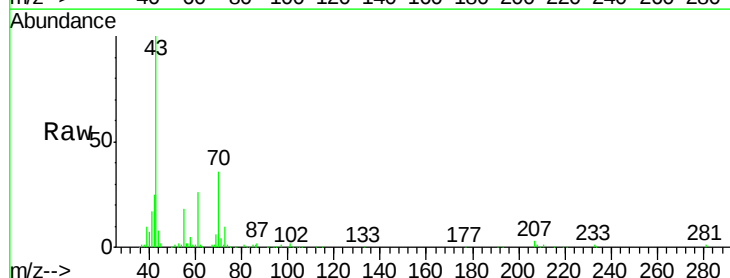
Ion Ratio Lower Upper

43 100

70 38.7 27.8 41.8

55 20.8 16.6 24.8

61 25.0 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.44

50000

40000

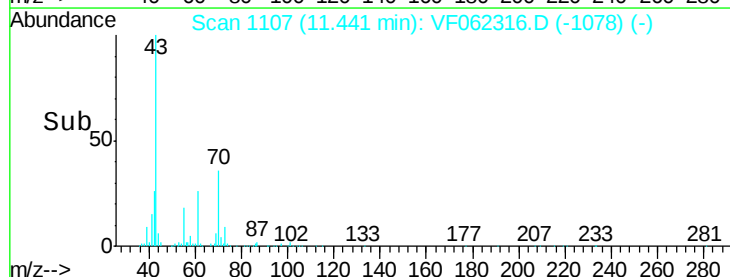
30000

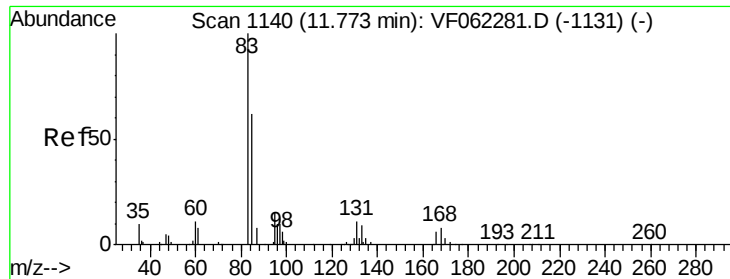
20000

10000

0

Time--> 11.35 11.40 11.45 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 18.669 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

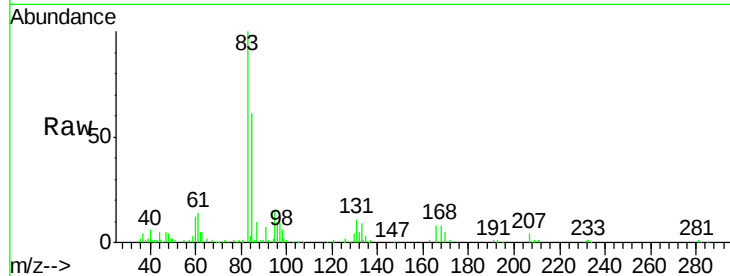
Tot Ion: 83 Resp: 48517

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.5
85	68.6	34.5	103.6

83 100

131 10.7 5.5 16.5

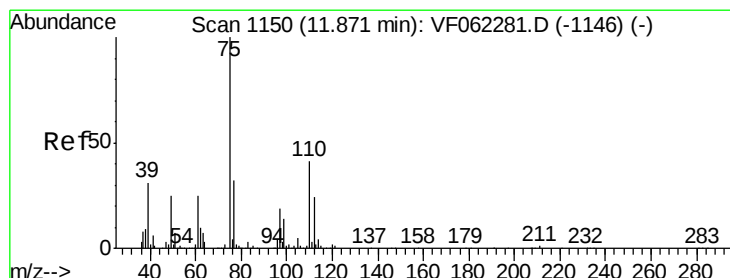
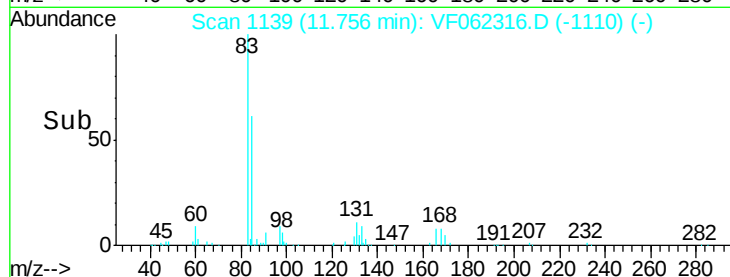
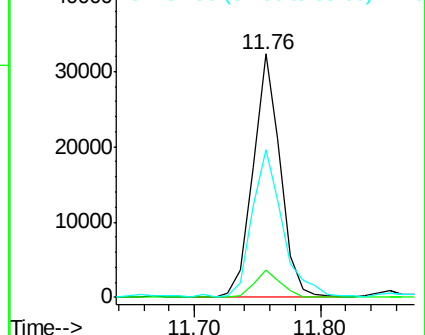
85 68.6 34.5 103.6



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: 17.364 ug/l

RT: 11.85 min Scan# 1149

Delta R.T. -0.02 min

Lab File: VF062316.D

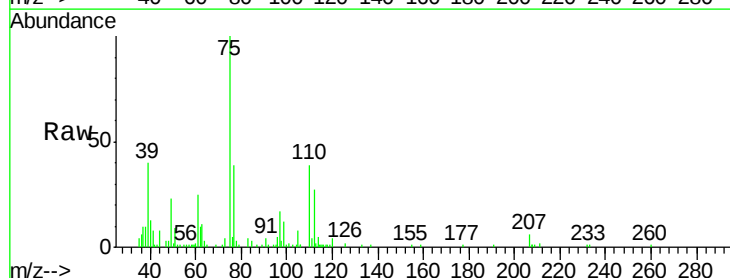
Acq: 29 Apr 2019 16:51

Tgt Ion: 75 Resp: 32017

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

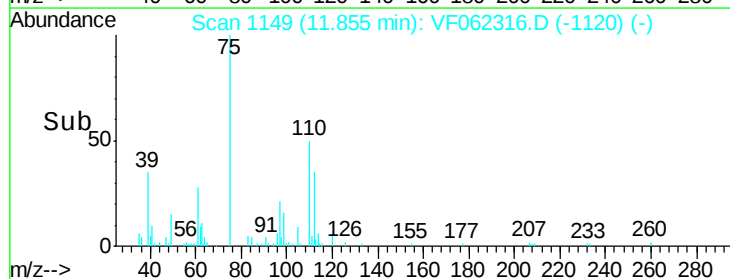
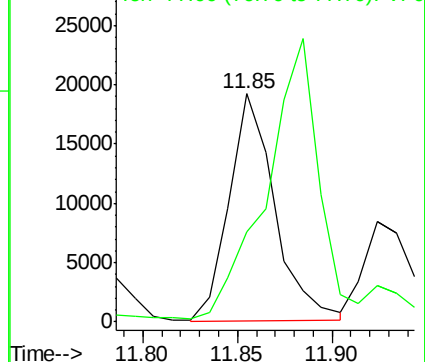
75 100

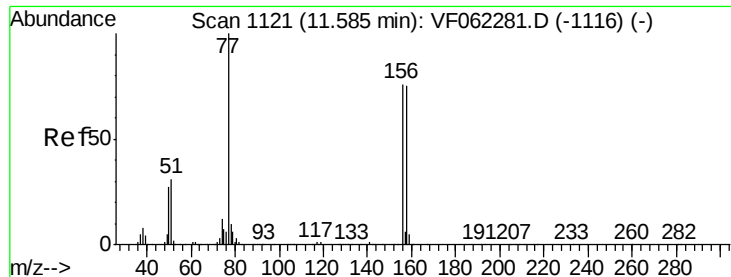
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 18.938 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

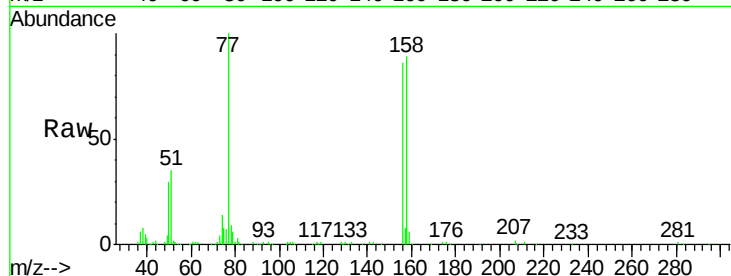
Tot Ion:156 Resp: 77441

Ion Ratio Lower Upper

156 100

77 126.6 67.3 201.9

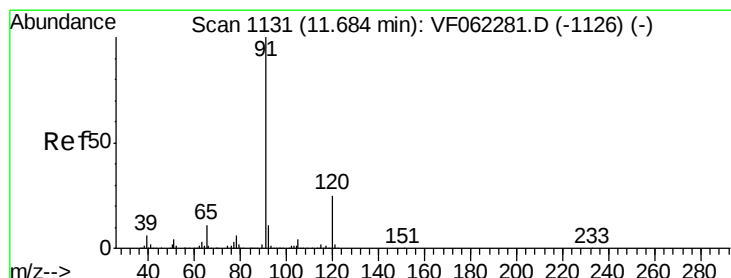
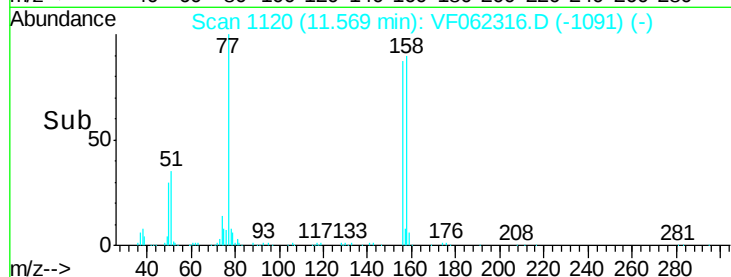
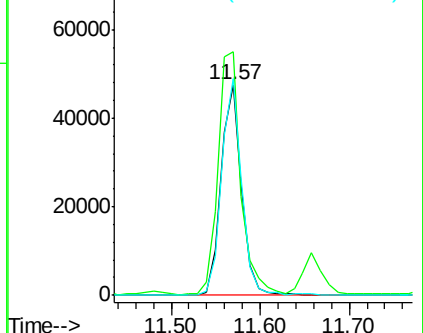
158 100.5 49.5 148.5



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



#78

n-propylbenzene

Concen: 18.399 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.03 min

Lab File: VF062316.D

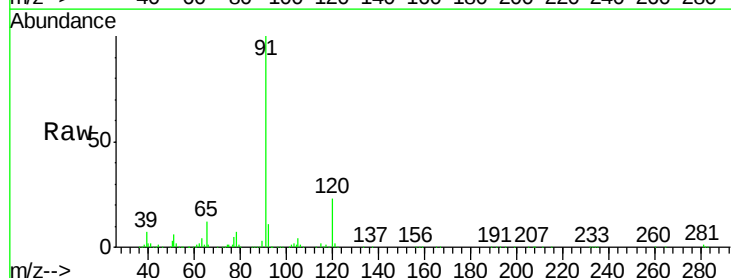
Acq: 29 Apr 2019 16:51

Tgt Ion: 91 Resp: 316689

Ion Ratio Lower Upper

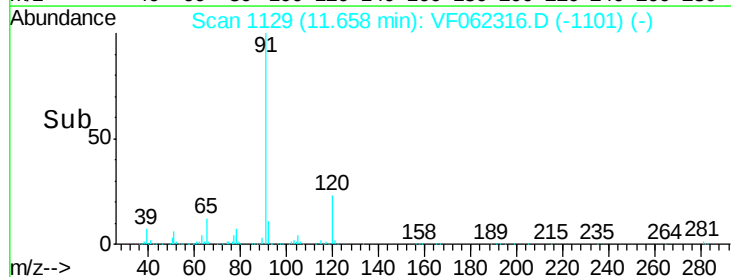
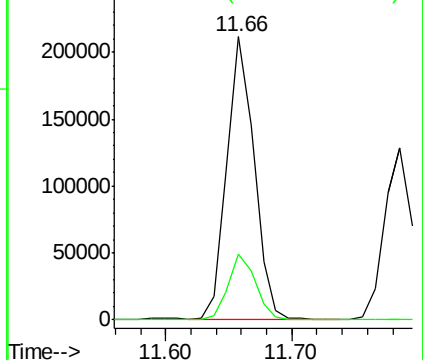
91 100

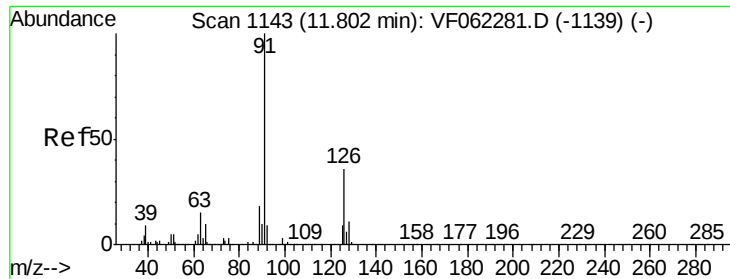
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.345 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_F

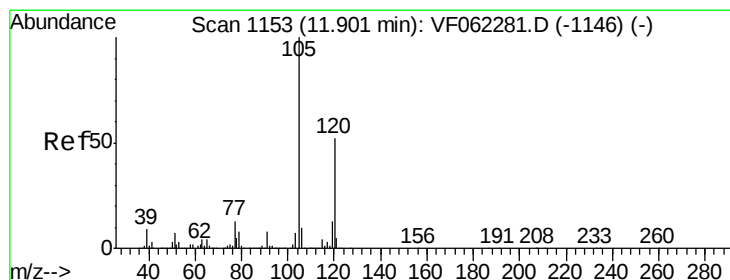
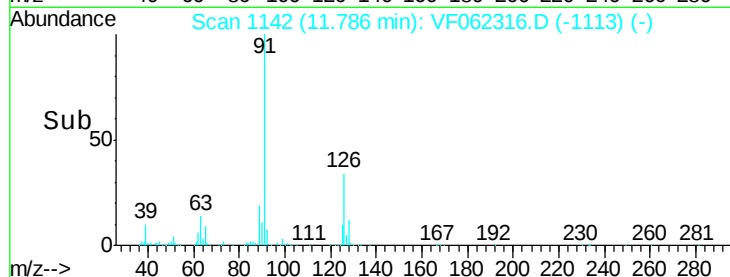
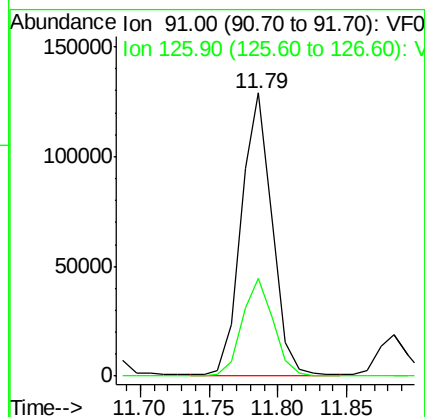
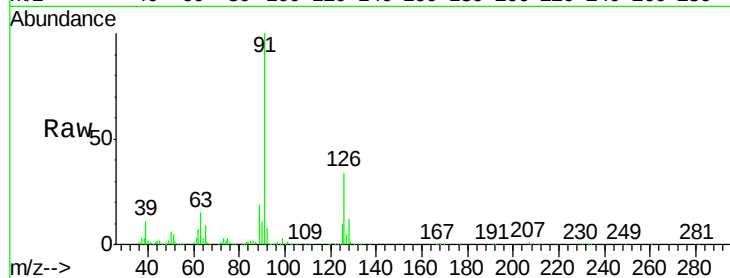
ClientSampled :

Tot Ion: 91 Resp: 200554

Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 19.503 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.02 min

Lab File: VF062316.D

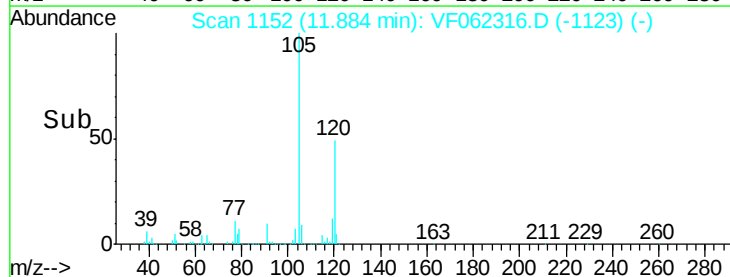
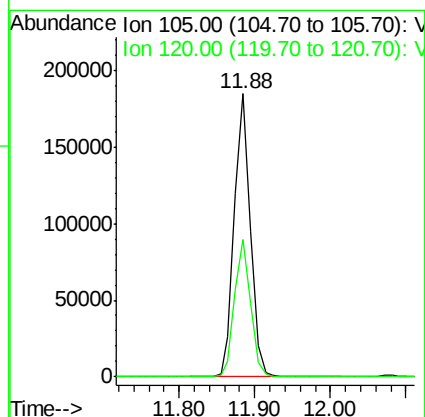
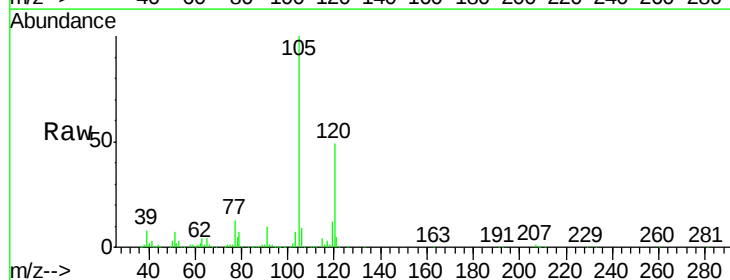
Acq: 29 Apr 2019 16:51

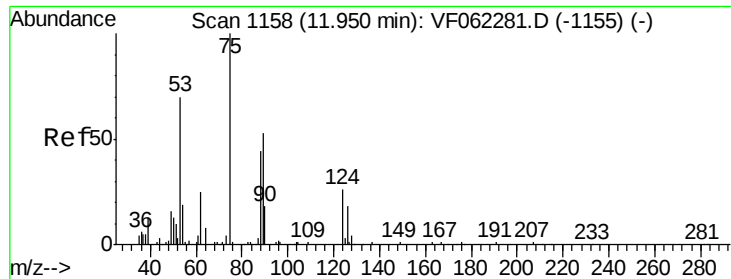
Tgt Ion:105 Resp: 269324

Ion Ratio Lower Upper

105 100

120 48.2 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 23.919 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. -0.03 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

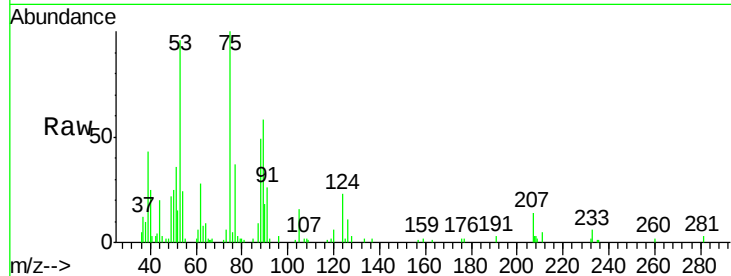
Tot Ion: 75 Resp: 19714

Ion Ratio Lower Upper

75 100

53 64.0 67.1 100.7#

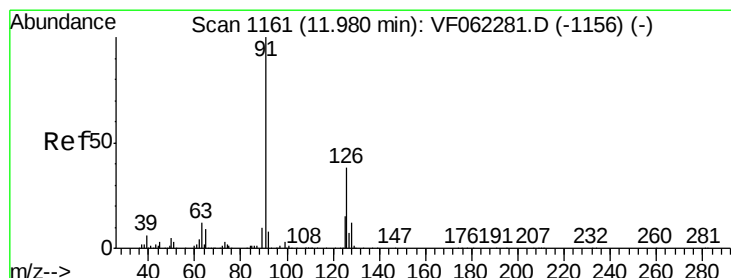
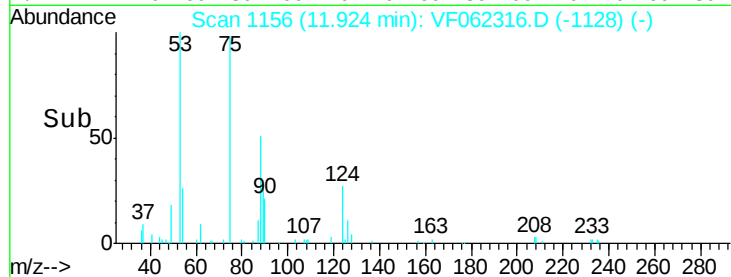
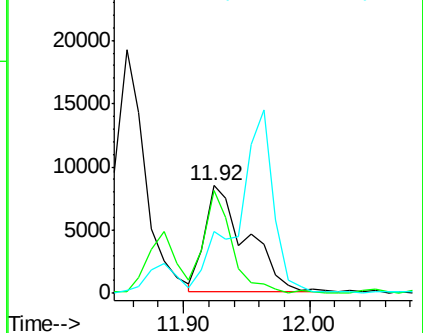
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 19.233 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. -0.02 min

Lab File: VF062316.D

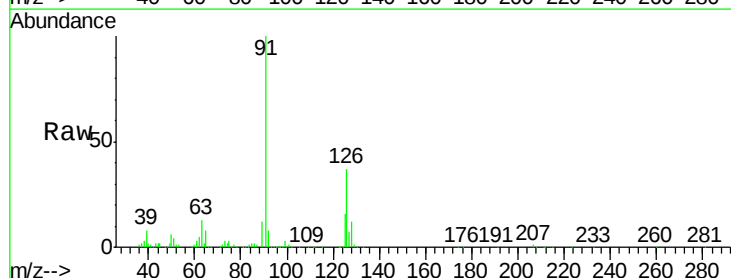
Acq: 29 Apr 2019 16:51

Tgt Ion: 91 Resp: 197299

Ion Ratio Lower Upper

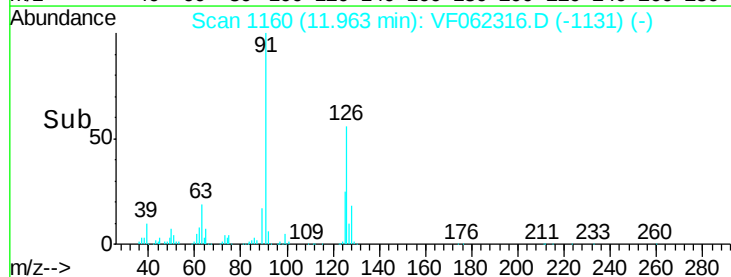
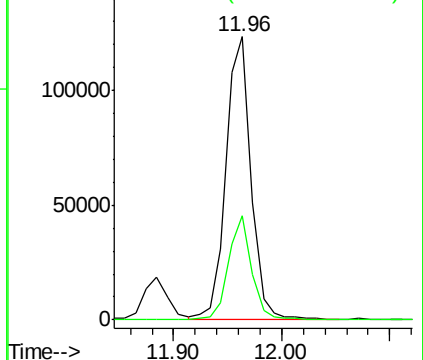
91 100

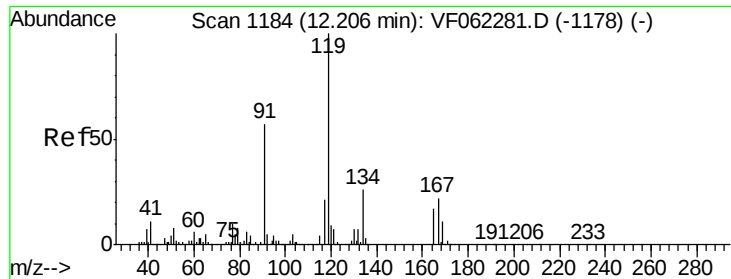
126 34.6 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

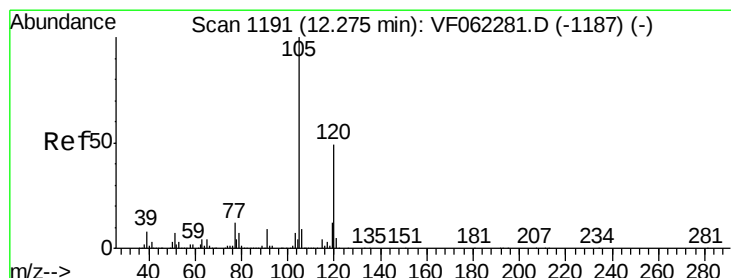
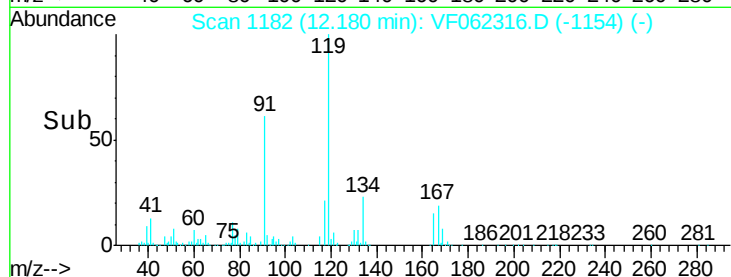
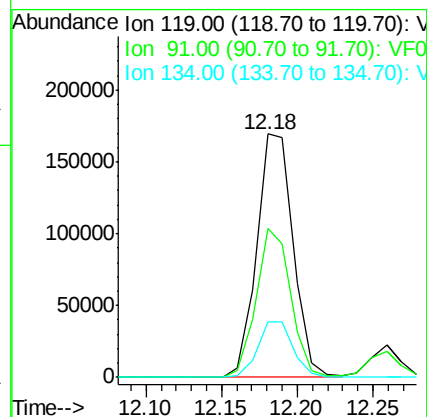
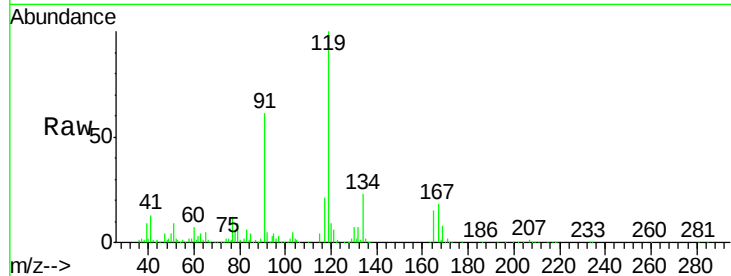




#83
tert-Butylbenzene
Concen: 20.149 ug/l
RT: 12.18 min Scan# 1182
Delta R.T. -0.03 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

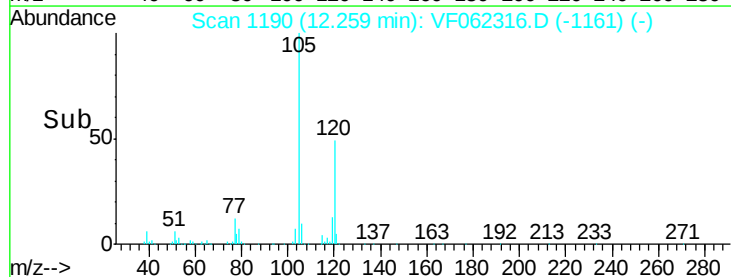
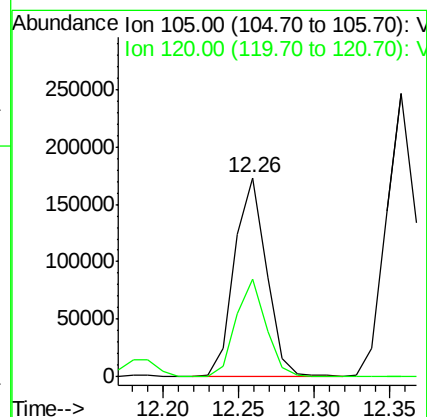
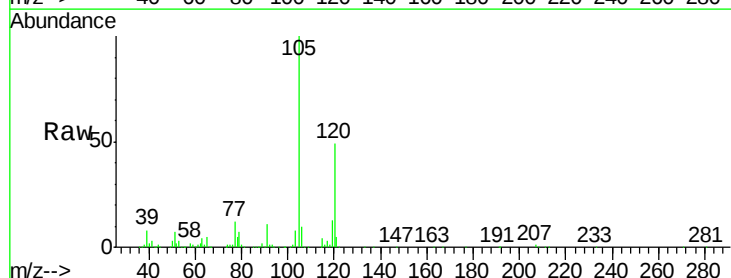
Instrument :
MSVOA_F
ClientSampleId :

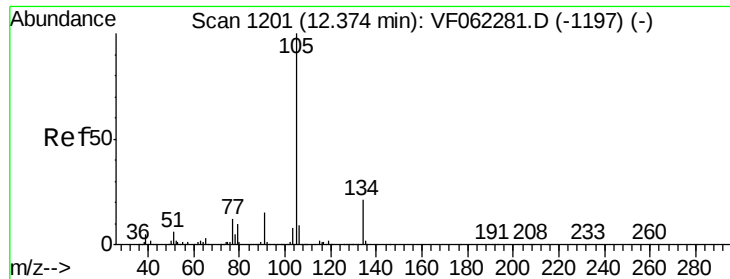
Tot Ion:119 Resp: 285544
Ion Ratio Lower Upper
119 100
91 57.9 29.4 88.2
134 22.5 11.9 35.7



#84
1,2,4-Trimethylbenzene
Concen: 19.049 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. -0.02 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion:105 Resp: 254770
Ion Ratio Lower Upper
105 100
120 46.2 24.1 72.2

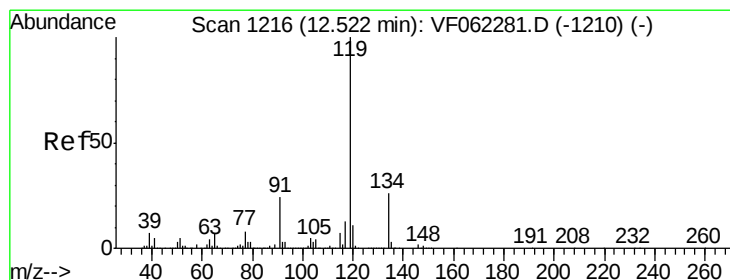
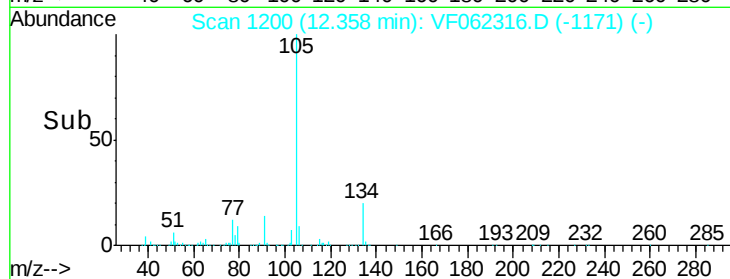
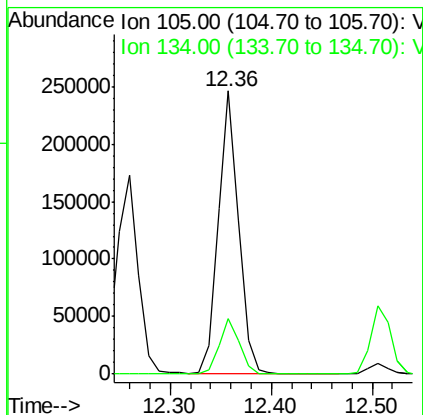
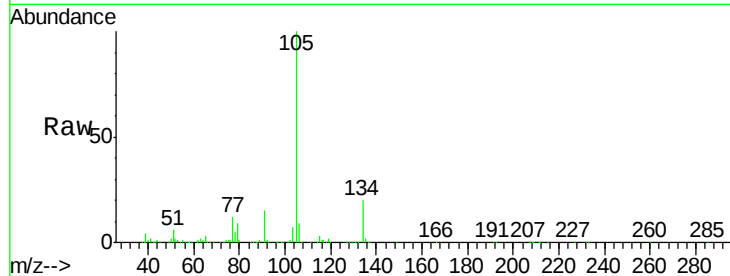




#85
 sec-Butylbenzene
 Concen: 19.698 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF062316.D
 Acq: 29 Apr 2019 16:51

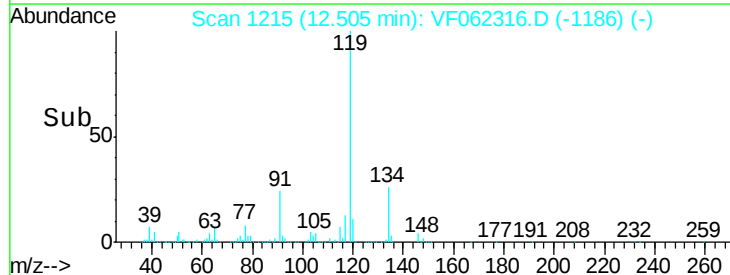
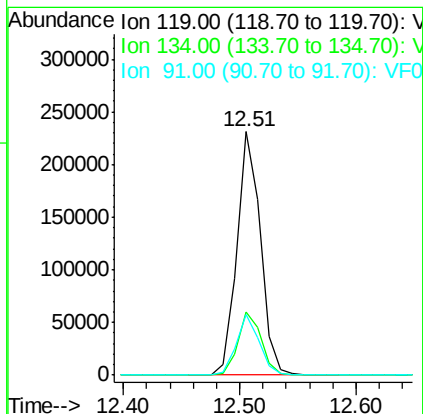
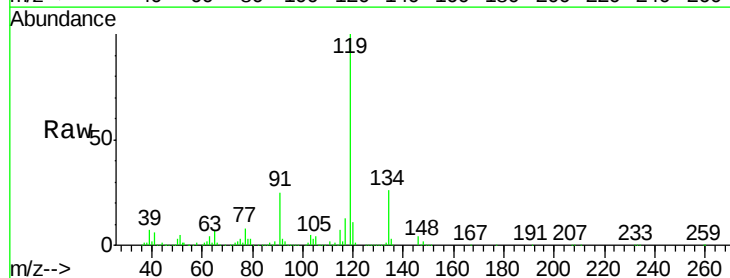
Instrument :
 MSVOA_F
 ClientSampleId :

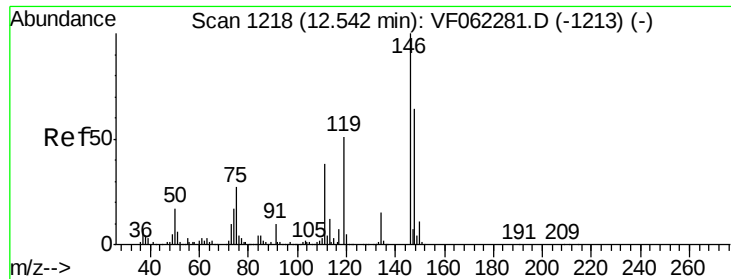
Tot Ion:105 Resp: 347695
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 20.428 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: VF062316.D
 Acq: 29 Apr 2019 16:51

Tgt Ion:119 Resp: 323282
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.2 39.5
 91 24.5 11.6 34.7

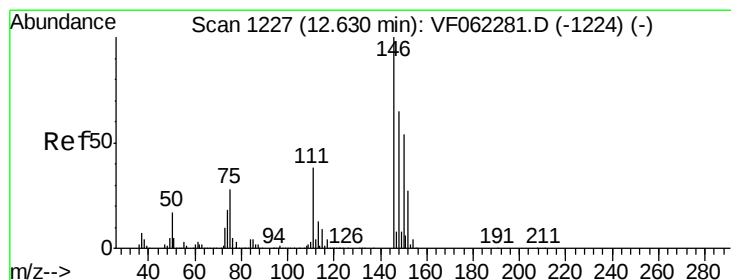
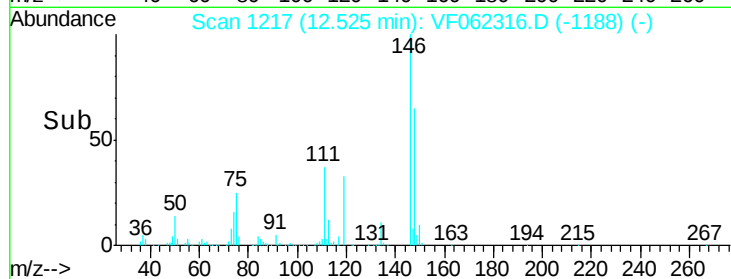
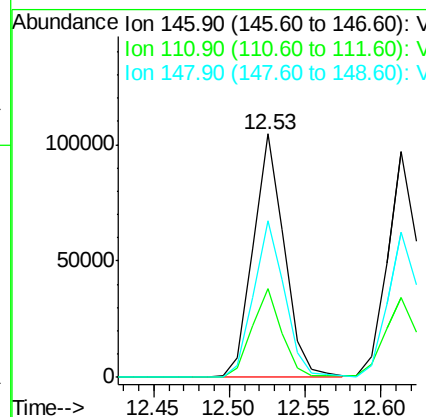
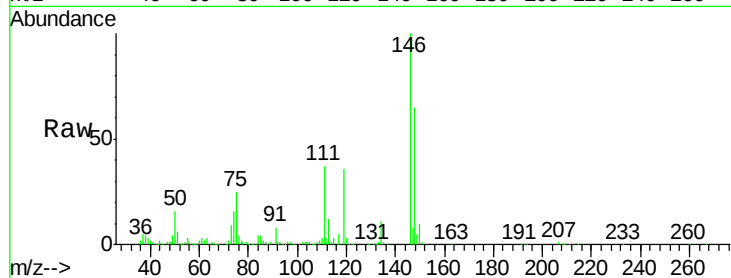




#87
 1,3-Dichlorobenzene
 Concen: 20.758 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VF062316.D
 Acq: 29 Apr 2019 16:51

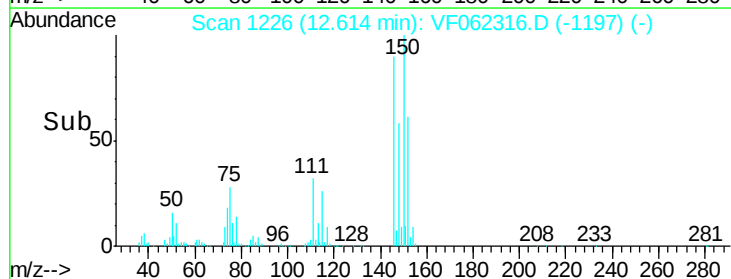
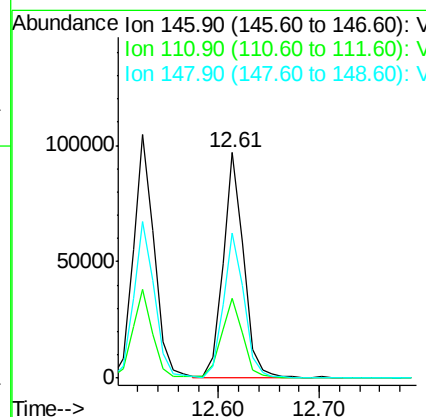
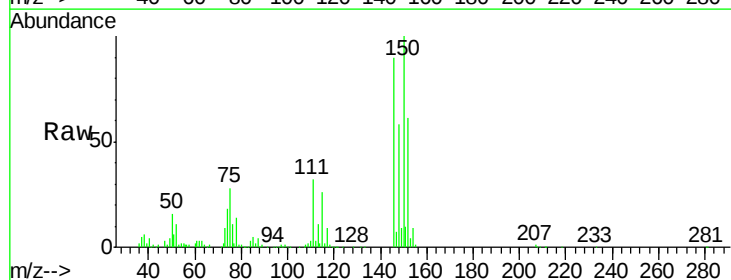
Instrument :
 MSVOA_F
 ClientSampleId :

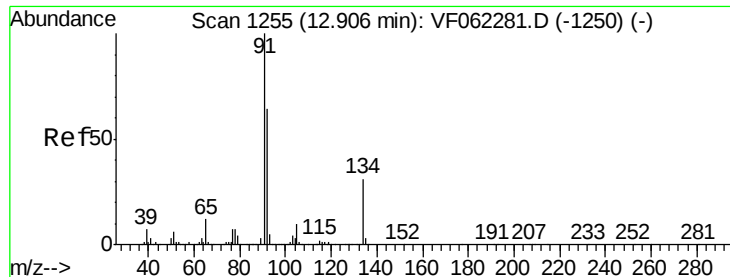
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.9	18.6	55.8
148	64.4	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 20.159 ug/l
 RT: 12.61 min Scan# 1226
 Delta R.T. -0.02 min
 Lab File: VF062316.D
 Acq: 29 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	56.0
148	65.7	32.5	97.5

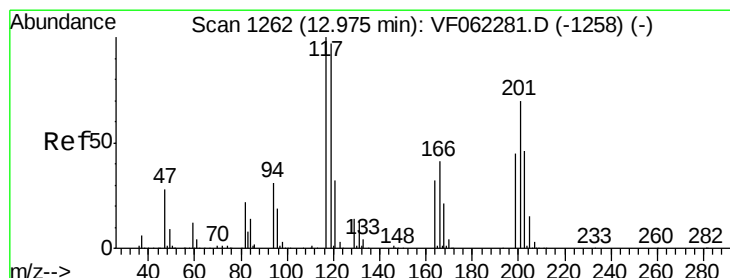
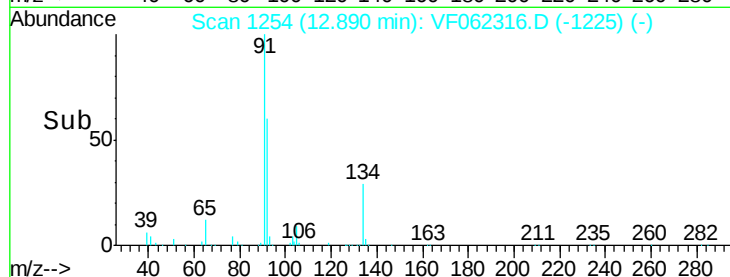
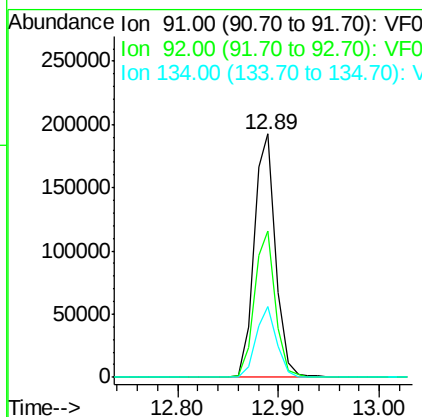
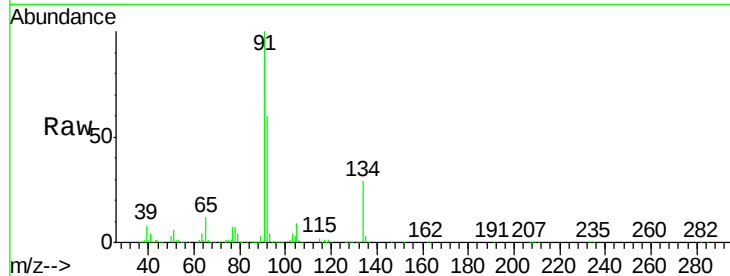




#89
n-Butylbenzene
Concen: 19.847 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

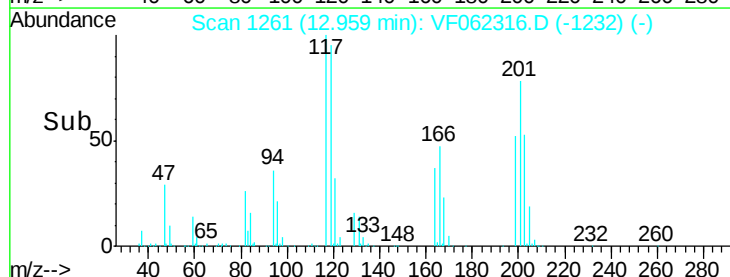
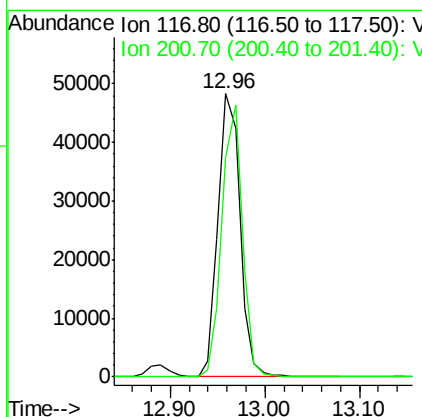
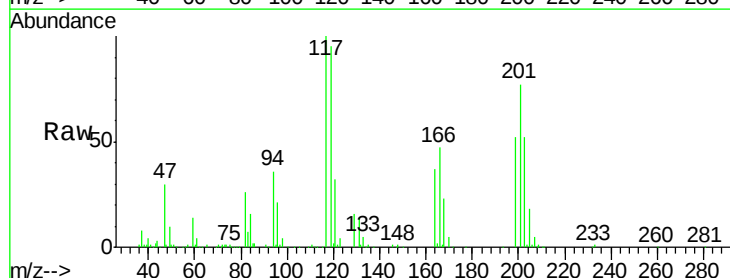
Instrument :
MSVOA_F
ClientSampled :

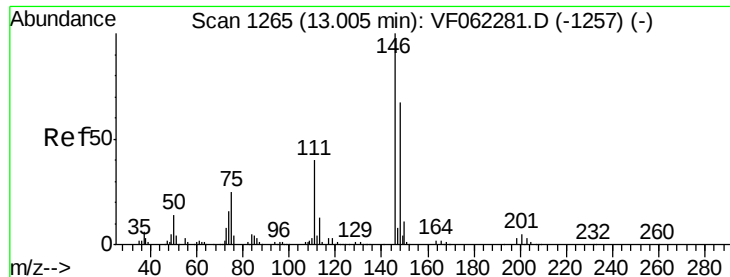
Tot Ion	Ratio	Lower	Upper
91	100		
92	59.1	31.1	93.3
134	28.1	14.4	43.4



#90
Hexachloroethane
Concen: 19.764 ug/l
RT: 12.96 min Scan# 1261
Delta R.T. -0.02 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.0	42.9	128.5





#91

1,2-Dichlorobenzene

Concen: 20.312 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.02 min

Lab File: VF062316.D

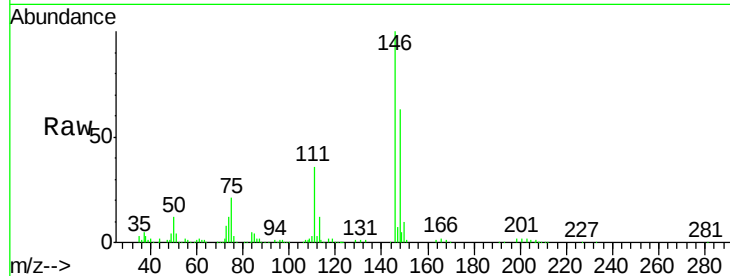
Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

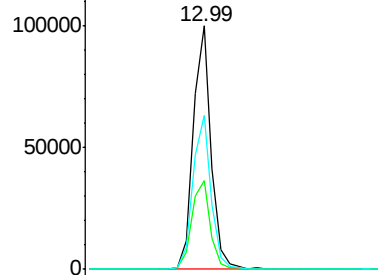
Tot Ion:	146	Resp:	141060
Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.0	59.9
148	64.3	33.1	99.5



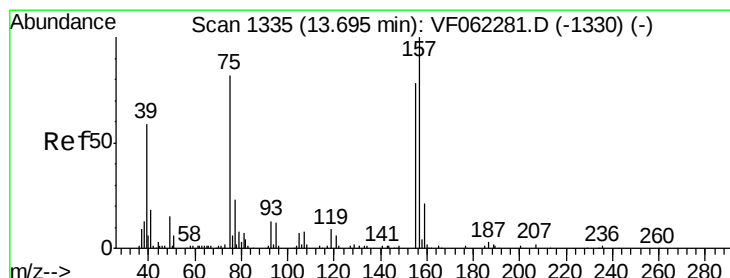
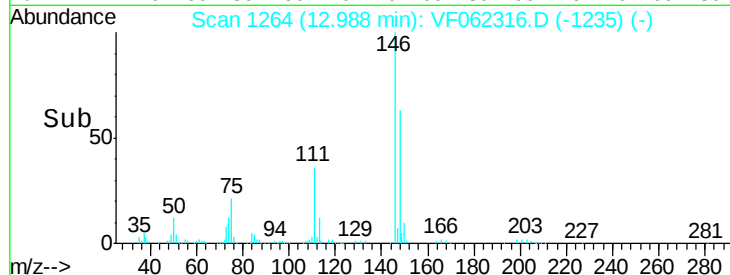
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.011 ug/l

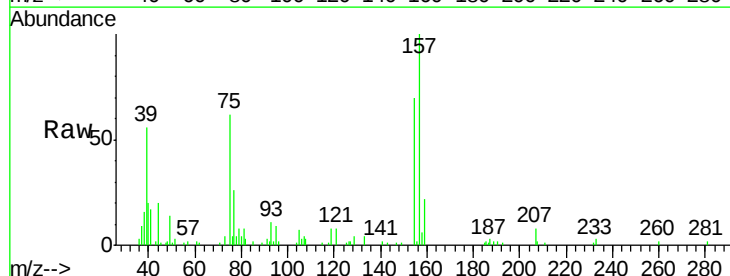
RT: 13.68 min Scan# 1334

Delta R.T. -0.02 min

Lab File: VF062316.D

Acq: 29 Apr 2019 16:51

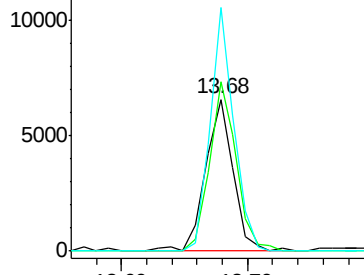
Tgt Ion:	75	Resp:	9967
Ion	Ratio	Lower	Upper
75	100		
155	108.7	51.7	155.2
157	138.5	64.5	193.5



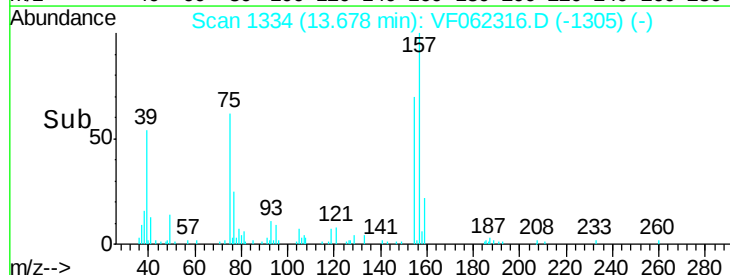
Abundance Ion 74.90 (74.60 to 75.60): VF0

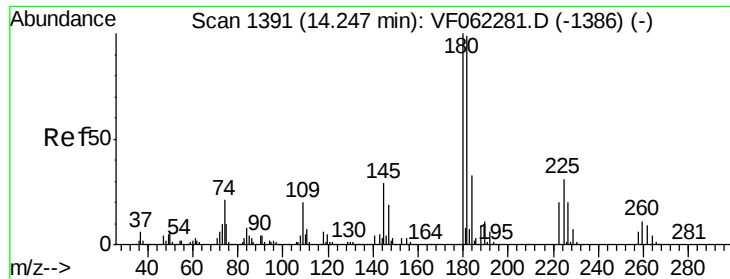
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->

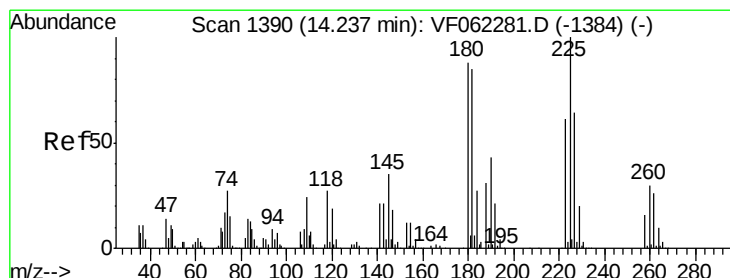
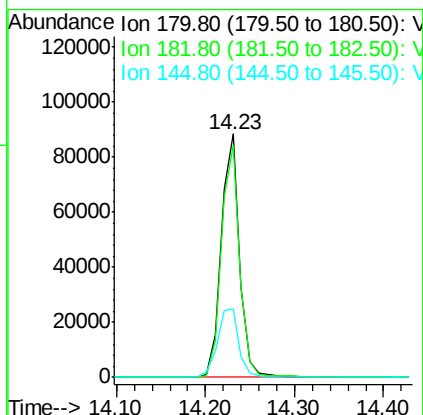
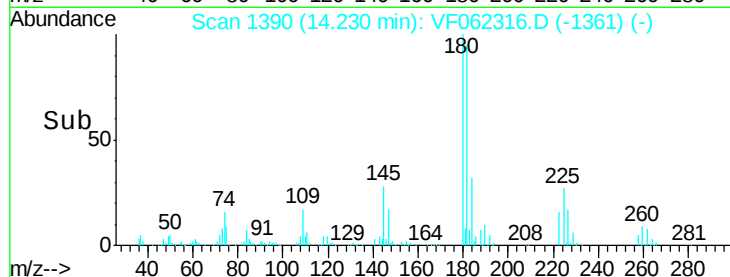
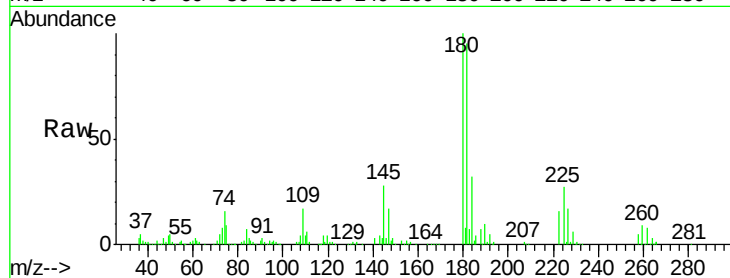




#93
 1,2,4-Trichlorobenzene
 Concen: 21.014 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VF062316.D
 Acq: 29 Apr 2019 16:51

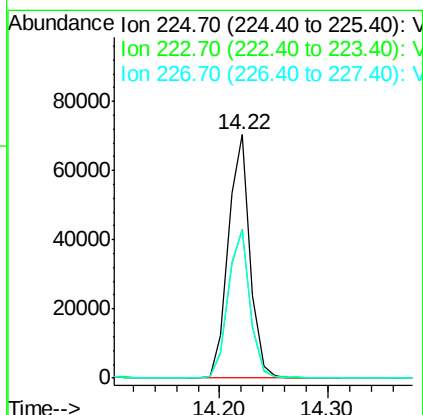
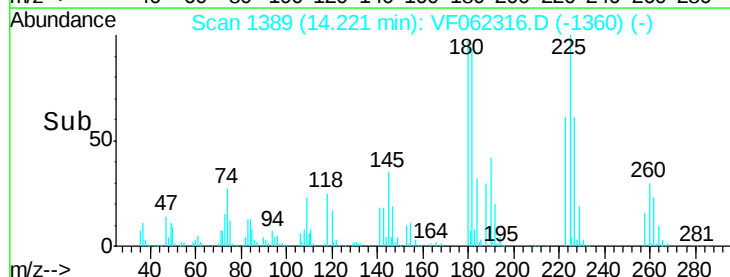
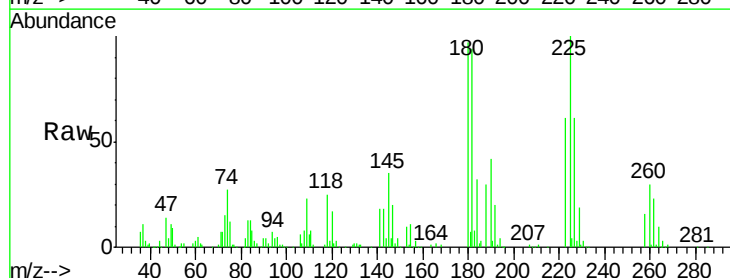
Instrument :
 MSVOA_F
 ClientSampleId :

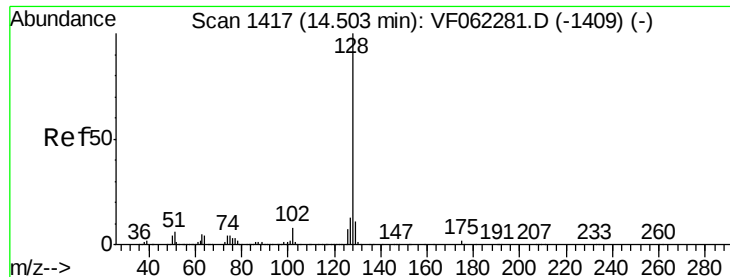
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.5	145.6
145	32.9	16.7	50.1



#94
 Hexachlorobutadiene
 Concen: 22.384 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062316.D
 Acq: 29 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	30.8	92.3
227	62.3	31.9	95.5

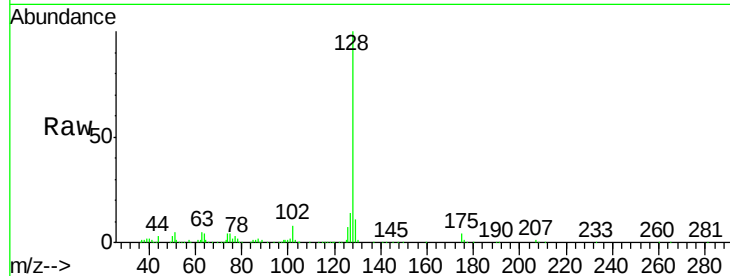




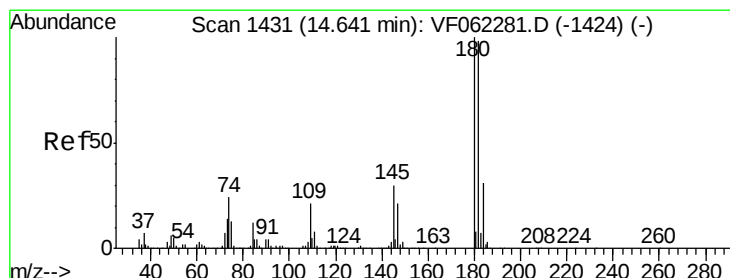
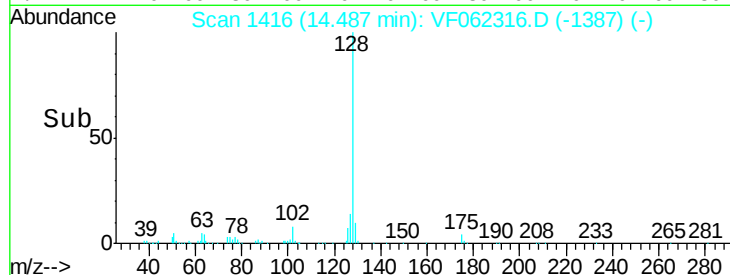
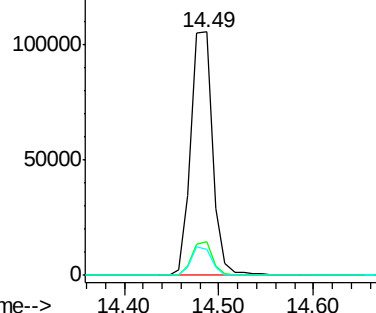
#95
Naphthalene
Concen: 18.011 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:128 Resp: 170232
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.1 8.9 13.3

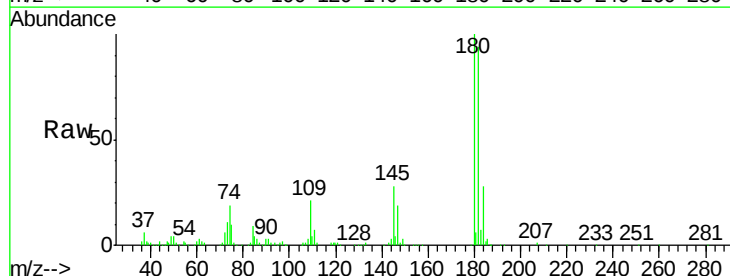


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.660 ug/l
RT: 14.62 min Scan# 1430
Delta R.T. -0.02 min
Lab File: VF062316.D
Acq: 29 Apr 2019 16:51

Tgt Ion:180 Resp: 124979
Ion Ratio Lower Upper
180 100
182 95.0 49.0 147.2
145 27.4 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

