

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\NOT REVIEWED DATA\
 Data File : VF062314.D
 Acq On : 29 Apr 2019 15:02
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 30 03:42:24 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	5.04	168	334955	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	460399	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	359688	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.60	152	206236	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	136391	50.27	ug/l	-0.03
Spiked Amount			Recovery	=	100.54%	
35) Dibromofluoromethane	4.29	113	169529	49.66	ug/l	-0.03
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	7.69	98	409396	49.10	ug/l	-0.03
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	11.49	95	173772	50.56	ug/l	-0.02
Spiked Amount			Recovery	=	101.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	198349	49.830	ug/l	95
3) Chloromethane	1.15	50	148014	44.139	ug/l	97
4) Vinyl Chloride	1.20	62	139464	43.913	ug/l	94
5) Bromomethane	1.38	94	113865	52.794	ug/l	92
6) Chloroethane	1.43	64	76530	54.970	ug/l	97
7) Trichlorofluoromethane	1.55	101	291768	57.815	ug/l	95
8) Diethyl Ether	1.70	74	41428	45.313	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	161885	51.115	ug/l	98
10) Methyl Iodide	1.97	142	273690	49.439	ug/l	89
11) Tert butyl alcohol	2.68	59	39558	241.026	ug/l	98
12) 1,1-Dichloroethene	1.87	96	141195	49.966	ug/l	91
13) Acrolein	2.09	56	31357	205.310	ug/l	96
14) Allyl chloride	2.19	41	219778	71.464	ug/l #	58
15) Acrylonitrile	3.07	53	93403	205.476	ug/l	95
16) Acetone	2.34	43	173239	285.181	ug/l	95
17) Carbon Disulfide	1.92	76	344644	46.341	ug/l	96
18) Methyl Acetate	2.45	43	58581	51.979	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	264547	49.106	ug/l	94
20) Methylene Chloride	2.33	84	74334	26.142	ug/l	96
21) trans-1,2-Dichloroethene	2.42	96	129159	46.250	ug/l	98
22) Diisopropyl ether	2.92	45	398951	48.188	ug/l	98
23) Vinyl Acetate	3.32	43	858966	233.966	ug/l	100
24) 1,1-Dichloroethane	3.00	63	231641	49.020	ug/l	99
25) 2-Butanone	4.51	43	219909	228.308	ug/l	95
26) 2,2-Dichloropropane	3.76	77	145242	59.188	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	161429	45.646	ug/l	93
28) Bromochloromethane	3.88	49	92087	46.245	ug/l #	96
29) Tetrahydrofuran	4.25	42	89483	211.428	ug/l	98
30) Chloroform	4.03	83	309306	52.127	ug/l	99
31) Cyclohexane	3.86	56	201540	44.823	ug/l	92
32) 1,1,1-Trichloroethane	4.27	97	256506	55.060	ug/l #	83
36) 1,1-Dichloropropene	4.46	75	212882	50.119	ug/l	99
37) Ethyl Acetate	4.29	43	81993	45.884	ug/l #	61
38) Carbon Tetrachloride	4.16	117	303419	70.267	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	229895	46.364	ug/l	99
40) Benzene	4.80	78	473942	46.183	ug/l	98
41) Methacrylonitrile	4.91	41	47853	48.203	ug/l #	90
42) 1,2-Dichloroethane	5.11	62	185626	57.096	ug/l	94
43) Isopropyl Acetate	7.09	43	82110	44.819	ug/l #	98
44) Trichloroethene	5.67	130	168947	48.659	ug/l	100
45) 1,2-Dichloropropane	6.39	63	111276	48.092	ug/l	99
46) Dibromomethane	6.24	93	84287	50.449	ug/l	97
47) Bromodichloromethane	6.54	83	210754	53.658	ug/l	98
48) Methyl methacrylate	6.86	41	62075	47.415	ug/l	94
49) 1,4-Dioxane	6.84	88	12835	851.395	ug/l	97
51) 4-Methyl-2-Pentanone	8.38	43	331240	235.261	ug/l	97
52) Toluene	7.76	92	278018	46.949	ug/l	94
53) t-1,3-Dichloropropene	8.41	75	149501	51.763	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	183528	49.602	ug/l	93
55) 1,1,2-Trichloroethane	8.62	97	86841	51.635	ug/l	92
56) Ethyl methacrylate	8.74	69	80044	43.322	ug/l #	89
57) 1,3-Dichloropropane	8.97	76	126349	47.781	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.44	63	116492	207.198	ug/l	96
59) 2-Hexanone	9.60	43	205278	238.180	ug/l	99
60) Dibromochloromethane	8.84	129	147925	54.192	ug/l	98
61) 1,2-Dibromoethane	9.11	107	99944	51.345	ug/l	94
64) Tetrachloroethene	8.28	164	152407	50.658	ug/l	98
65) Chlorobenzene	9.92	112	328554	49.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	167762	54.187	ug/l	98
67) Ethyl Benzene	10.01	91	583793	51.089	ug/l	95
68) m/p-Xylenes	10.24	106	417177	98.059	ug/l	95
69) o-Xylene	10.81	106	238583	50.195	ug/l	98
70) Styrene	10.88	104	331328	48.221	ug/l	99
71) Bromoform	10.87	173	89697	51.470	ug/l	99
73) Isopropylbenzene	11.20	105	702592	49.723	ug/l	98
74) N-amyl acetate	11.44	43	128412	39.442	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.75	83	109495	48.774	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	78827	49.491	ug/l #	100
77) Bromobenzene	11.57	156	172824	48.925	ug/l	97
78) n-propylbenzene	11.66	91	728179	48.976	ug/l	99
79) 2-Chlorotoluene	11.78	91	462012	51.589	ug/l	99
80) 1,3,5-Trimethylbenzene	11.88	105	606447	50.839	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.93	75	44892	63.054	ug/l #	73
82) 4-Chlorotoluene	11.96	91	444928	50.209	ug/l	100
83) tert-Butylbenzene	12.19	119	658582	53.797	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	589046	50.986	ug/l	97
85) sec-Butylbenzene	12.35	105	797618	52.311	ug/l	100
86) p-Isopropyltoluene	12.51	119	727145	53.192	ug/l	99
87) 1,3-Dichlorobenzene	12.52	146	305423	48.872	ug/l	99
88) 1,4-Dichlorobenzene	12.61	146	296496	50.038	ug/l	100
89) n-Butylbenzene	12.89	91	618622	49.804	ug/l	97
90) Hexachloroethane	12.97	117	184489	53.839	ug/l	99
91) 1,2-Dichlorobenzene	12.99	146	299001	49.843	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	23472	51.828	ug/l	99

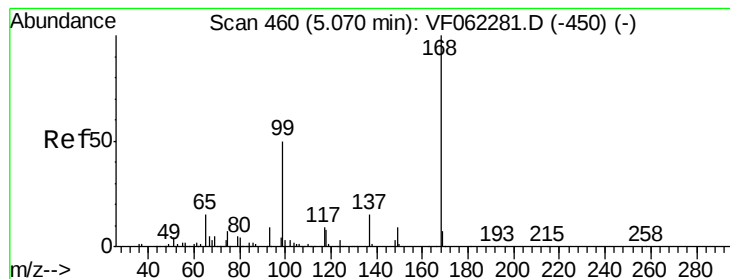
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	268094	50.871	ug/l	99
94) Hexachlorobutadiene	14.22	225	204447	53.942	ug/l	99
95) Naphthalene	14.48	128	388088	47.533	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	260899	52.344	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

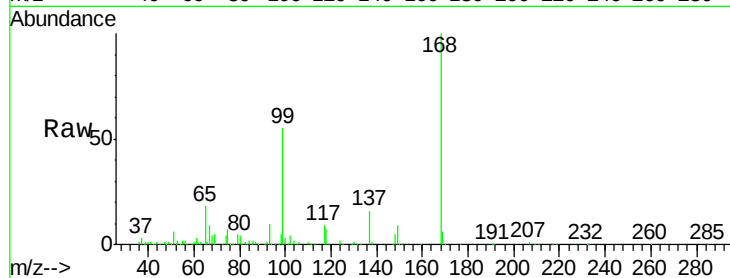
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 334955

Ion Ratio Lower Upper

168 100

99 54.9 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.04

120000

100000

80000

60000

40000

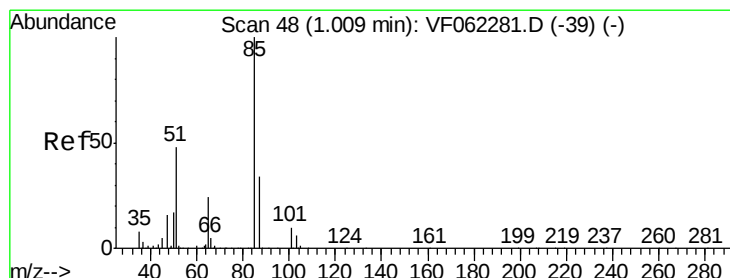
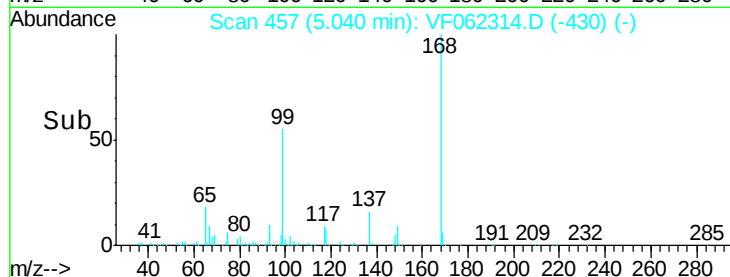
20000

0

5.00

5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.830 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062314.D

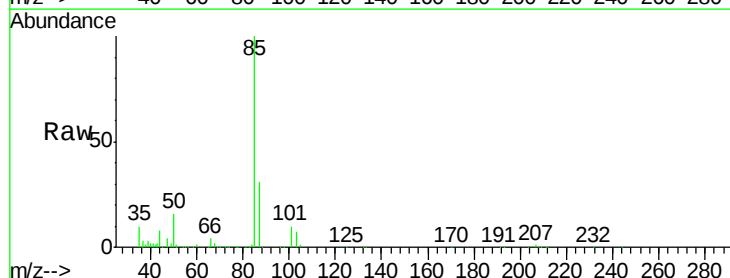
Acq: 29 Apr 2019 15:02

Tgt Ion: 85 Resp: 198349

Ion Ratio Lower Upper

85 100

87 31.2 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

60000

50000

40000

30000

20000

10000

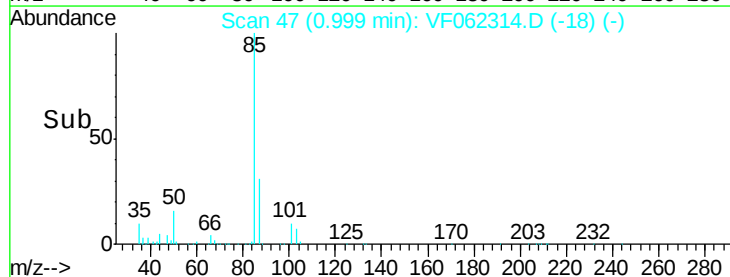
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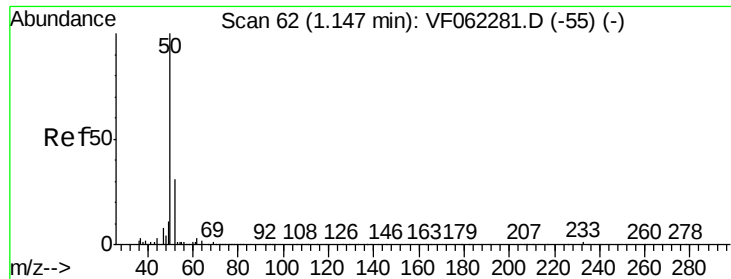
0.80

1.00

1.20

Time-->





#3

Chloromethane

Concen: 44.139 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

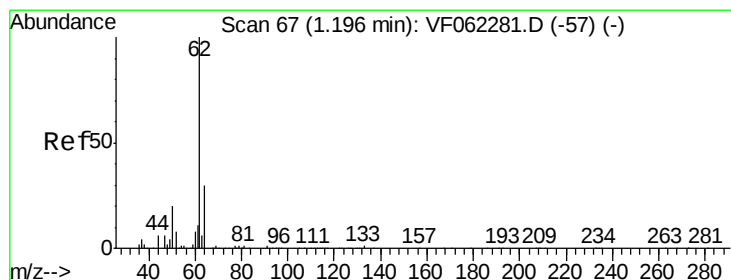
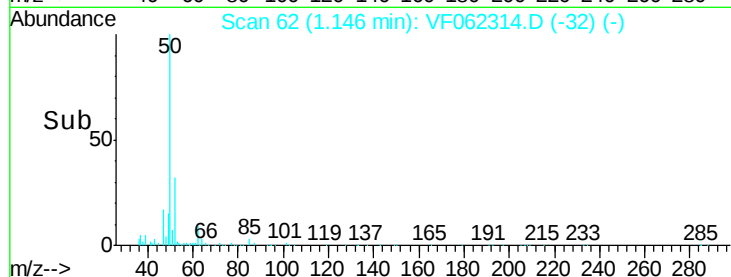
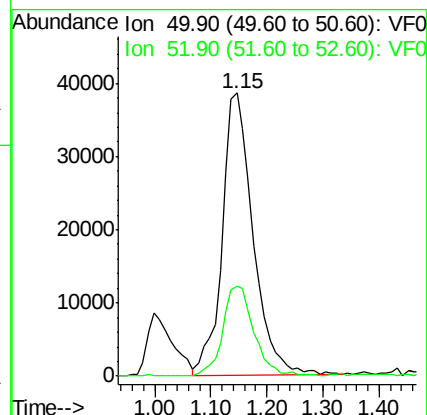
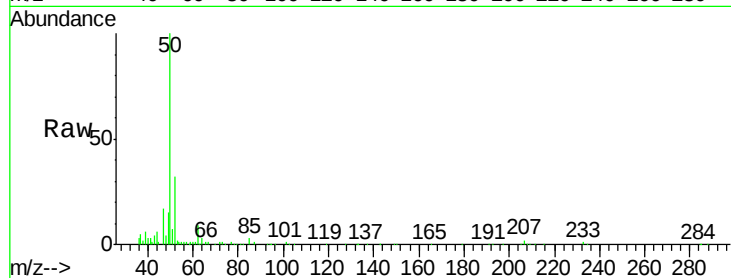
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 148014

Ion Ratio Lower Upper

50 100

52 31.9 24.2 36.4



#4

Vinyl Chloride

Concen: 43.913 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062314.D

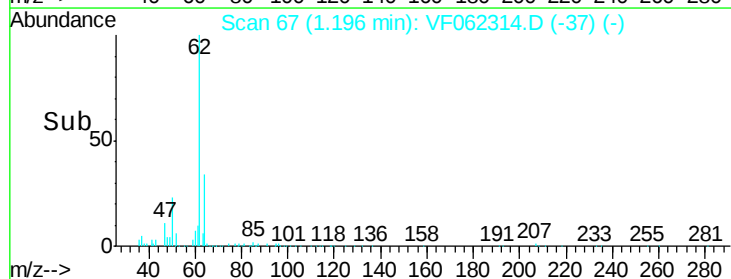
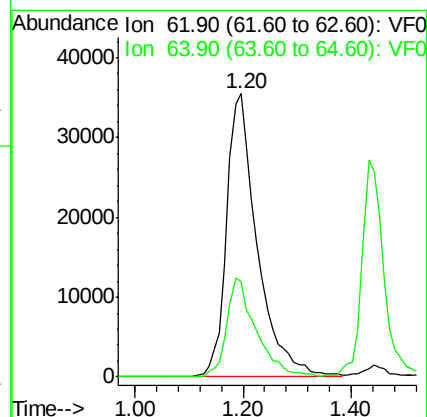
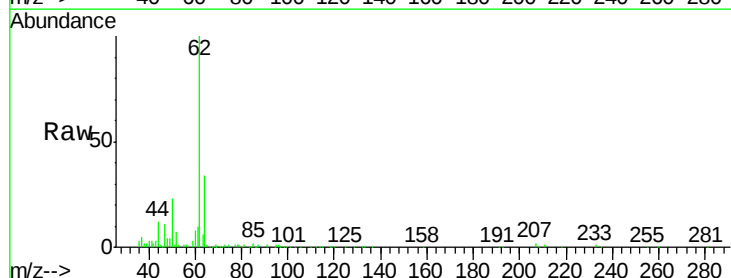
Acq: 29 Apr 2019 15:02

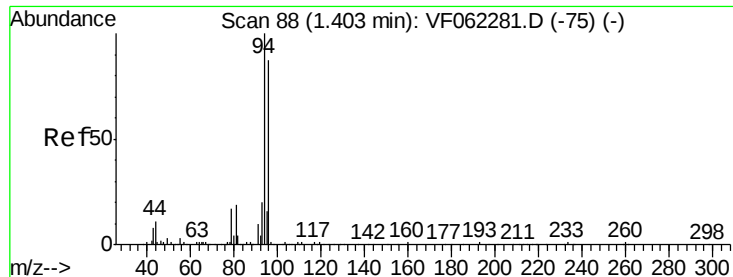
Tgt Ion: 62 Resp: 139464

Ion Ratio Lower Upper

62 100

64 33.7 24.3 36.5





#5

Bromomethane

Concen: 52.794 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

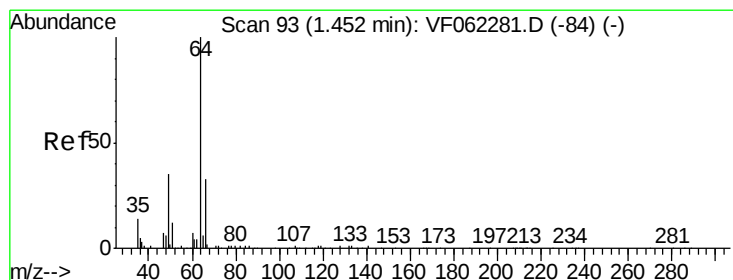
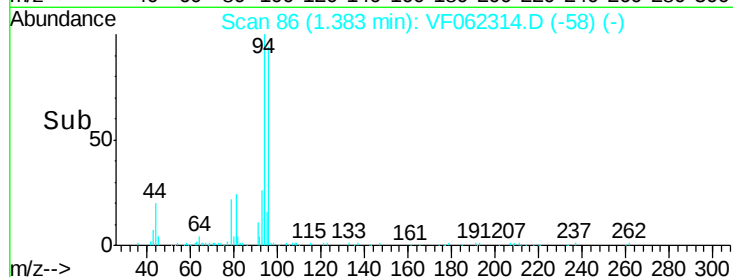
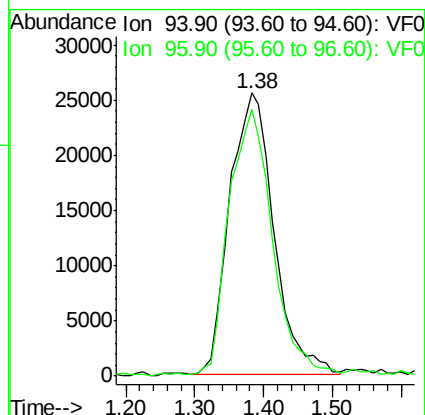
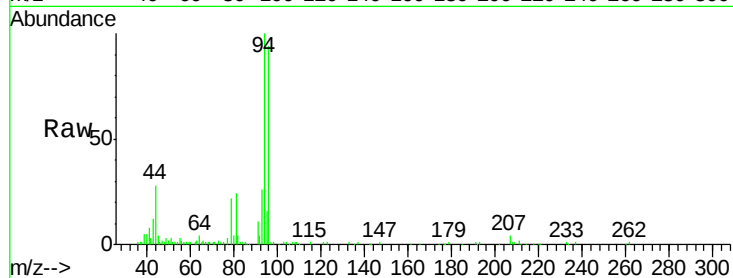
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 113865

Ion Ratio Lower Upper

94 100

96 93.9 69.5 104.3



#6

Chloroethane

Concen: 54.970 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.02 min

Lab File: VF062314.D

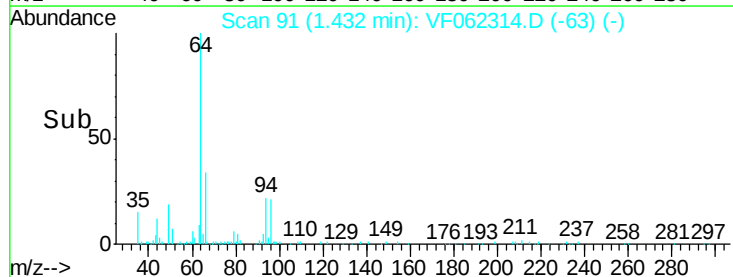
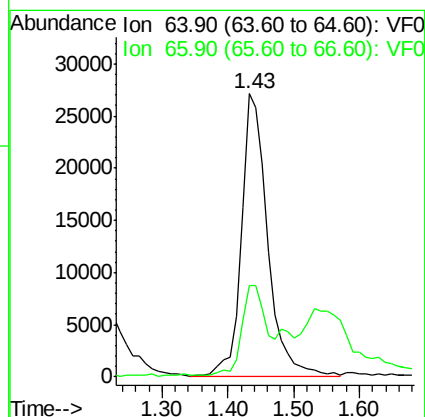
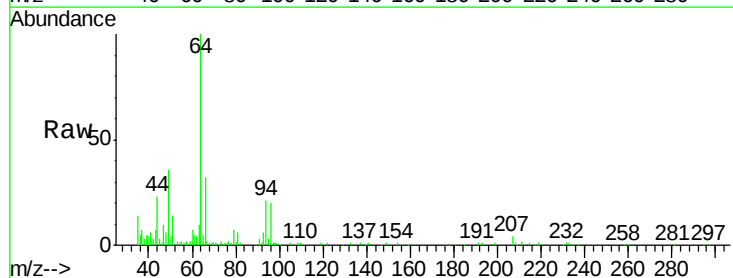
Acq: 29 Apr 2019 15:02

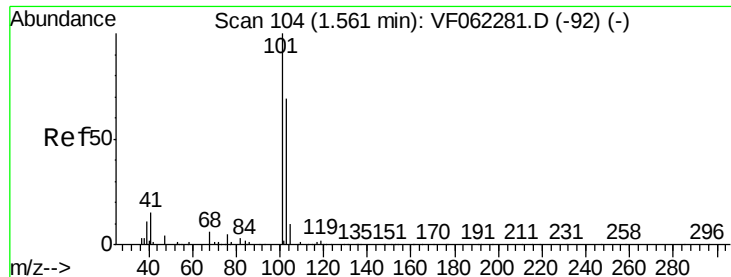
Tgt Ion: 64 Resp: 76530

Ion Ratio Lower Upper

64 100

66 31.0 26.0 39.0



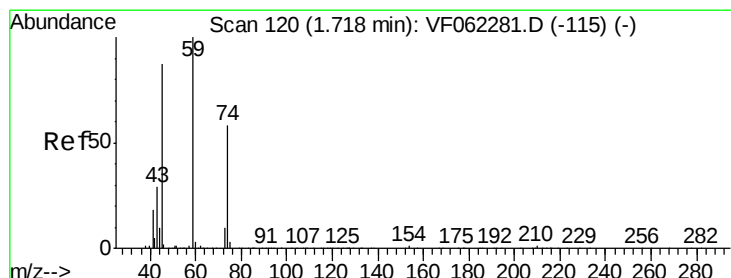
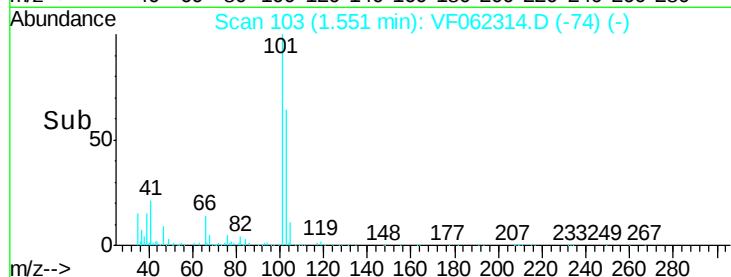
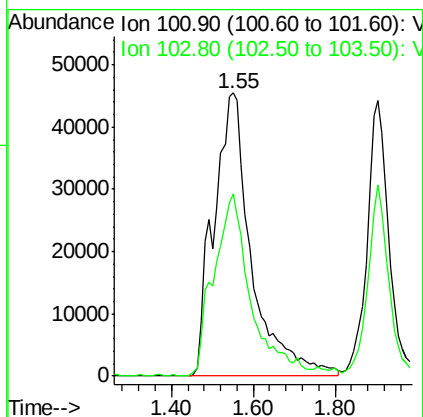
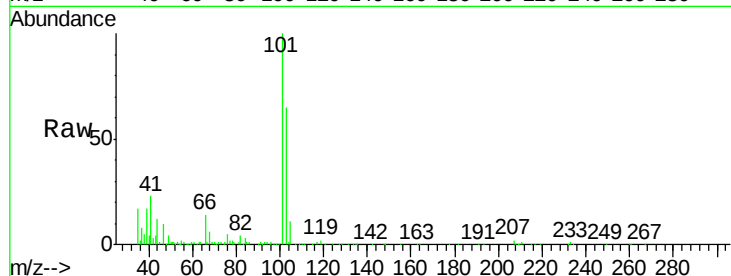


#7

Trichlorofluoromethane
Concen: 57.815 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.01 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :

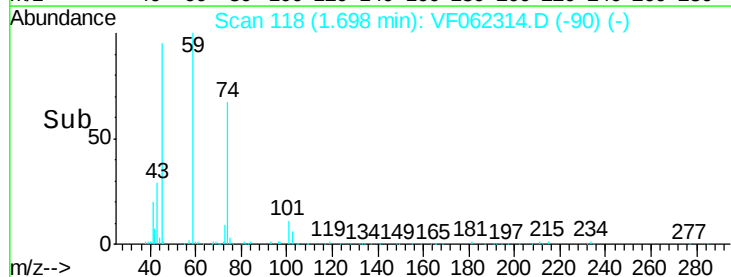
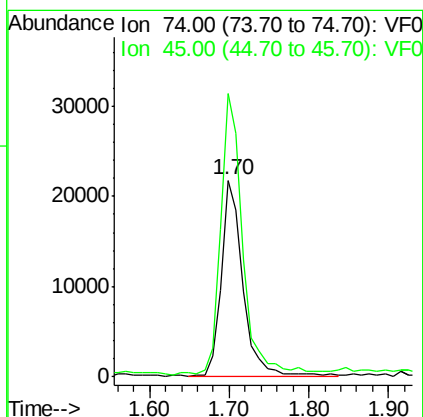
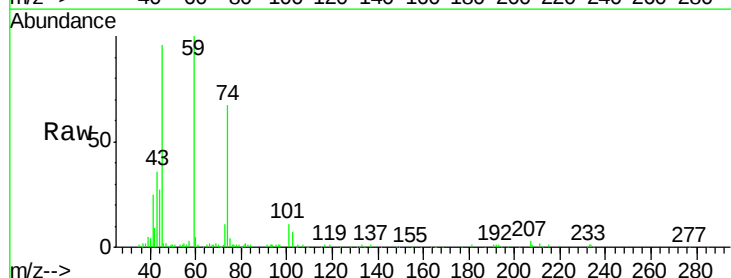
Tot Ion:101 Resp: 291768
Ion Ratio Lower Upper
101 100
103 64.6 55.0 82.6

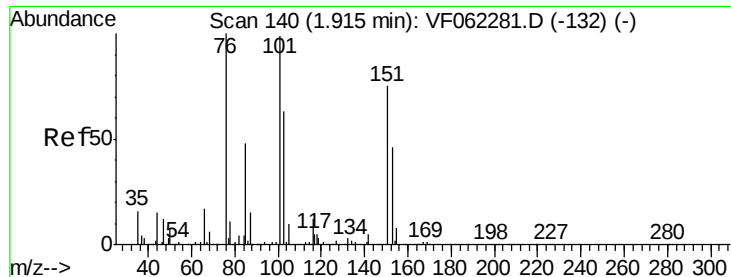


#8

Diethyl Ether
Concen: 45.313 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Tgt Ion: 74 Resp: 41428
Ion Ratio Lower Upper
74 100
45 147.4 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.115 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

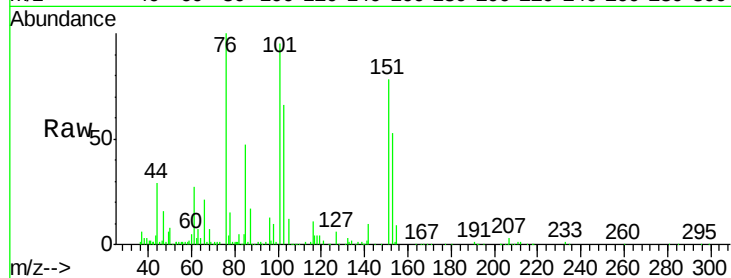
Tot Ion:101 Resp: 161885

Ion Ratio Lower Upper

101 100

85 48.0 36.5 54.7

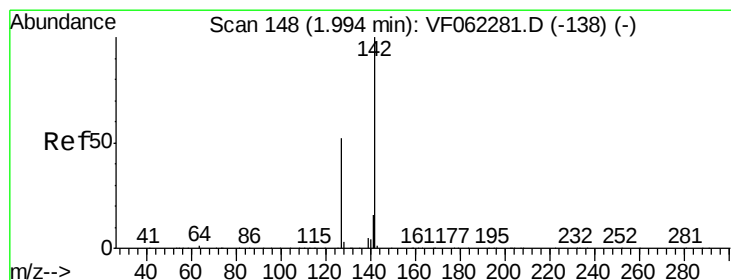
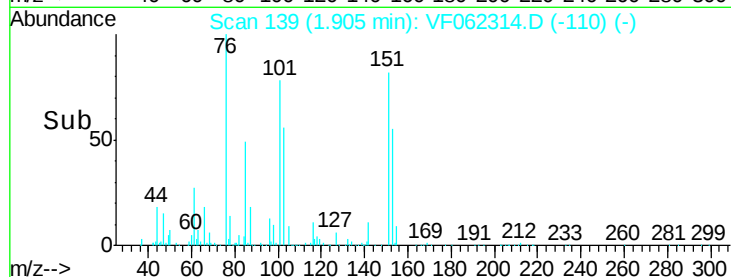
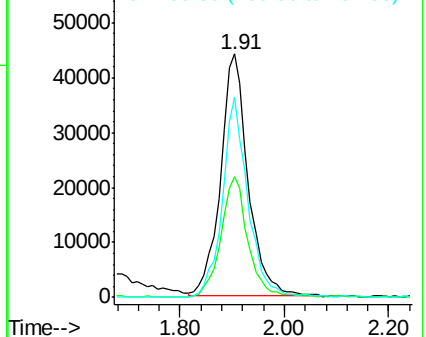
151 75.4 59.2 88.8



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: 49.439 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

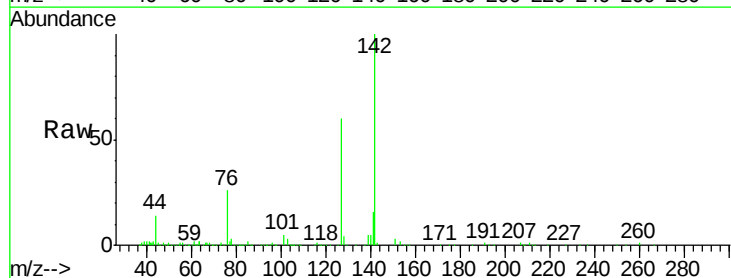
Tgt Ion:142 Resp: 273690

Ion Ratio Lower Upper

142 100

127 44.7 43.0 64.4

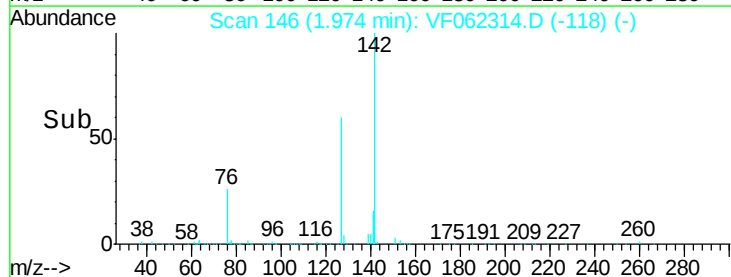
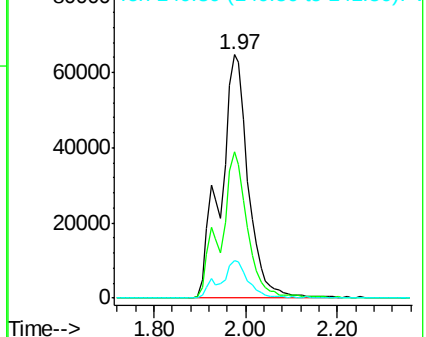
141 12.6 12.3 18.5

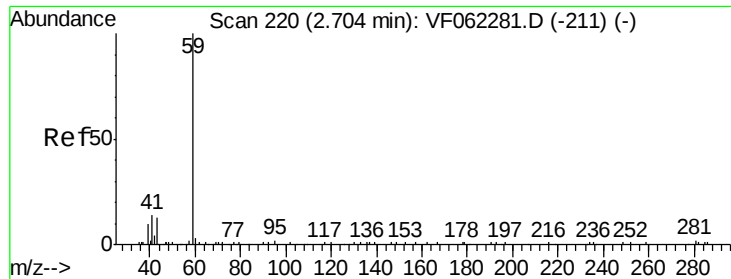


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



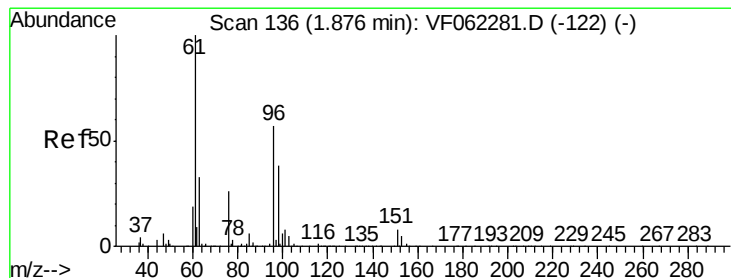
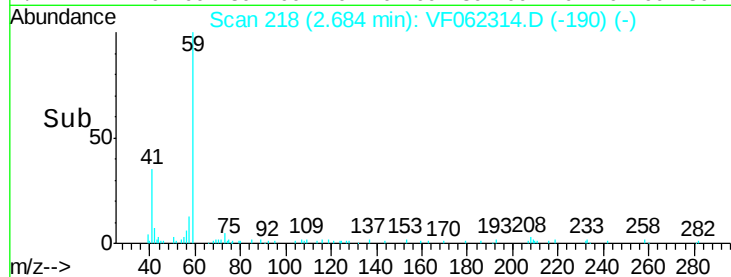
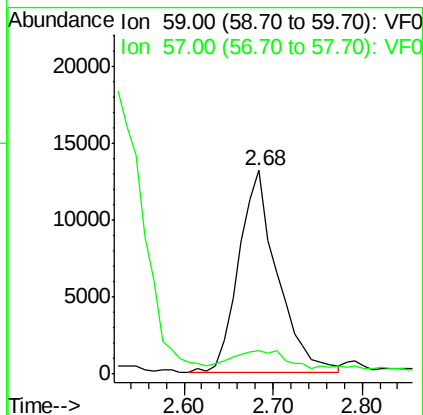
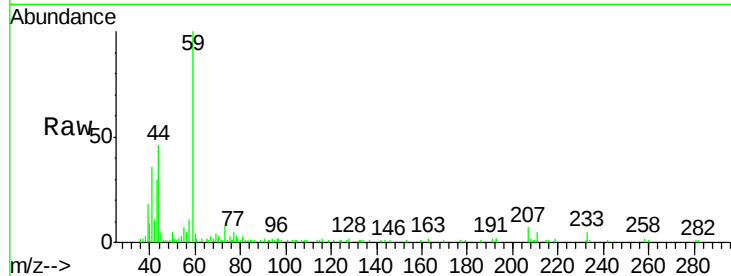


#11

Tert butyl alcohol
Concen: 241.026 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :

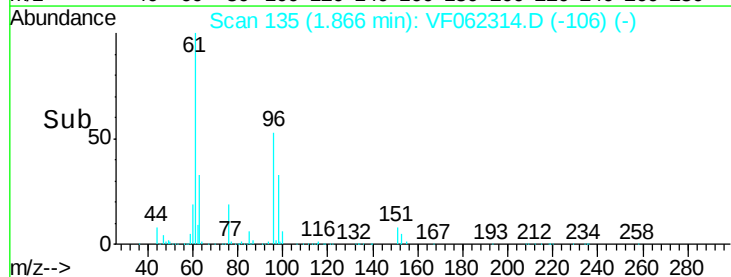
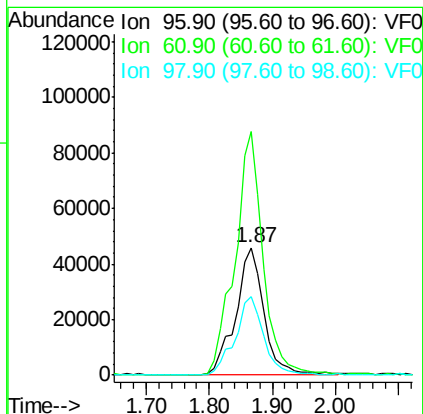
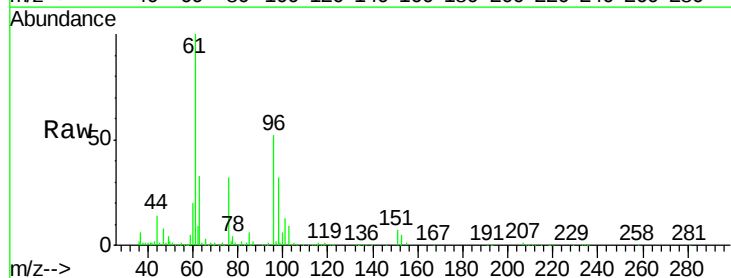
Tot Ion: 59 Resp: 39558
Ion Ratio Lower Upper
59 100
57 11.7 8.8 13.2

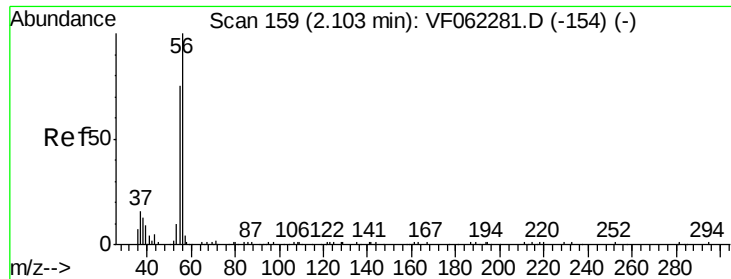


#12

1,1-Dichloroethene
Concen: 49.966 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Tgt Ion: 96 Resp: 141195
Ion Ratio Lower Upper
96 100
61 191.4 141.1 211.7
98 62.3 53.4 80.0





#13

Acrolein

Concen: 205.310 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

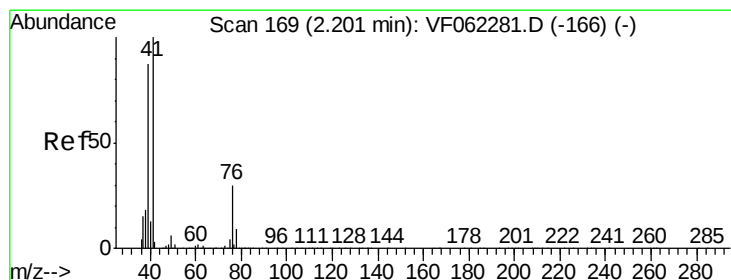
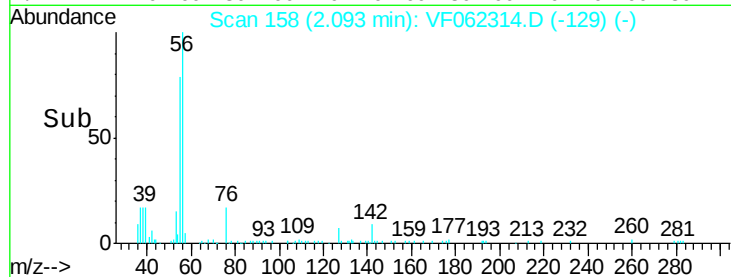
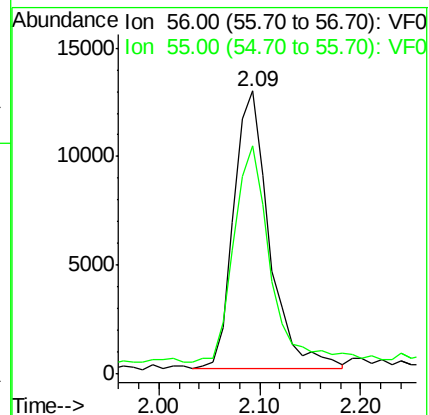
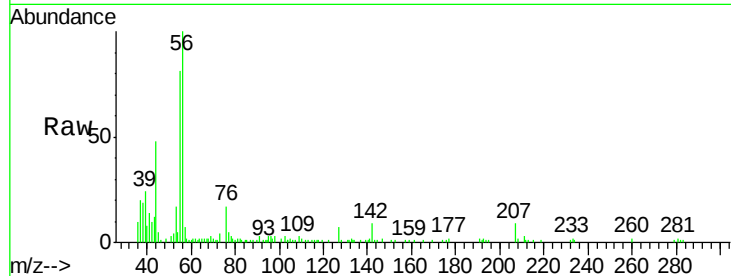
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 31357

Ion Ratio Lower Upper

56 100

55 81.8 62.3 93.5



#14

Allyl chloride

Concen: 71.464 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

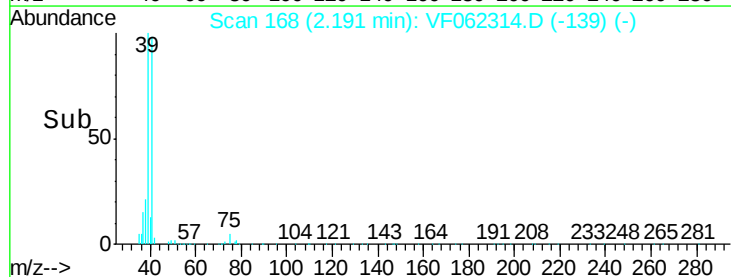
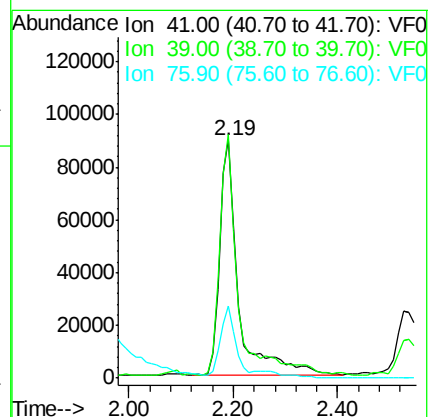
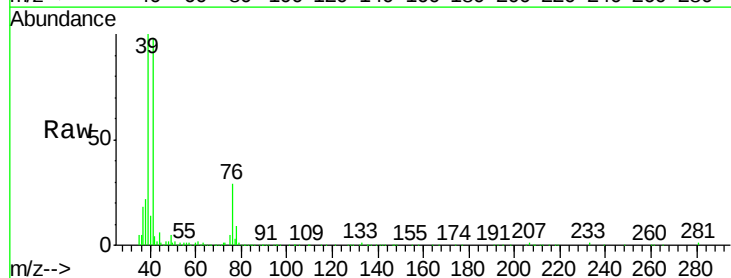
Tgt Ion: 41 Resp: 219778

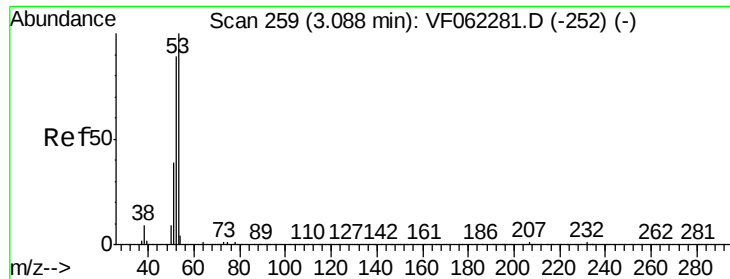
Ion Ratio Lower Upper

41 100

39 103.2 50.3 75.5#

76 23.0 14.8 22.2#





#15

Acrylonitrile

Concen: 205.476 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :

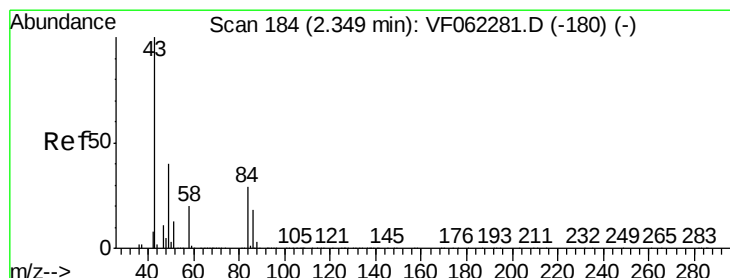
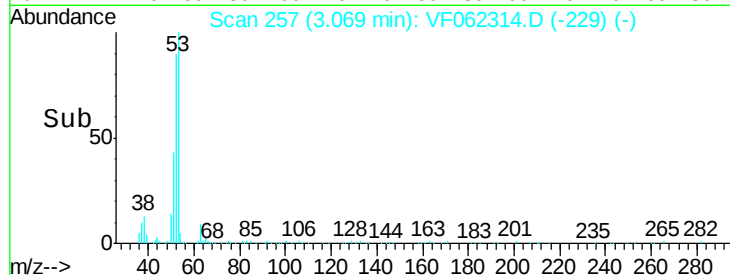
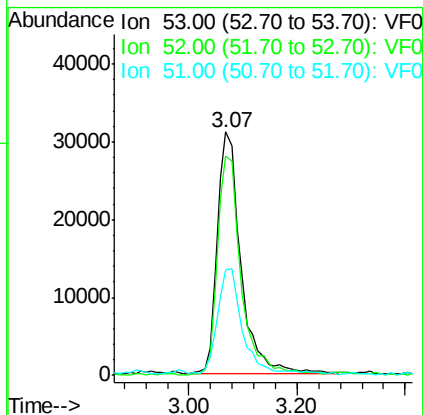
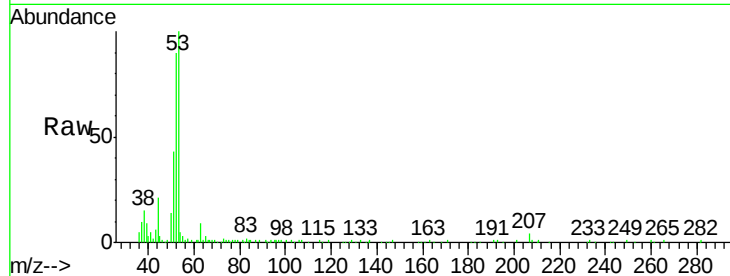
Tot Ion: 53 Resp: 93403

Ion Ratio Lower Upper

53 100

52 91.0 70.6 105.8

51 47.2 32.6 48.8



#16

Acetone

Concen: 285.181 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062314.D

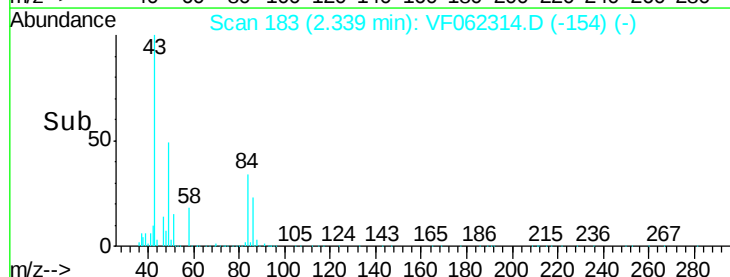
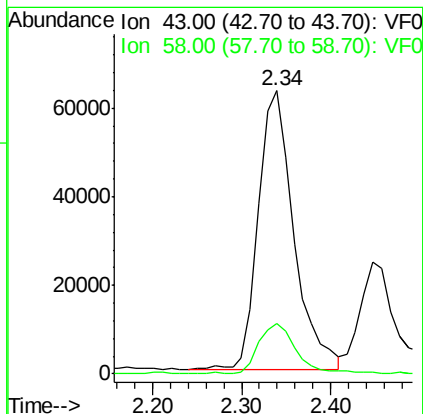
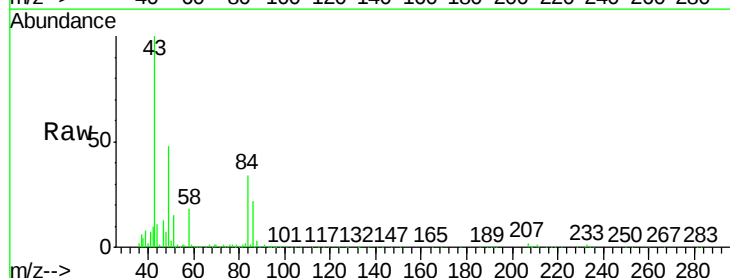
Acq: 29 Apr 2019 15:02

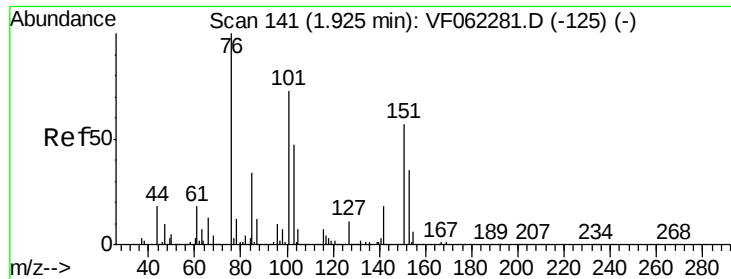
Tgt Ion: 43 Resp: 173239

Ion Ratio Lower Upper

43 100

58 18.0 16.4 24.6





#17

Carbon Disulfide

Concen: 46.341 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

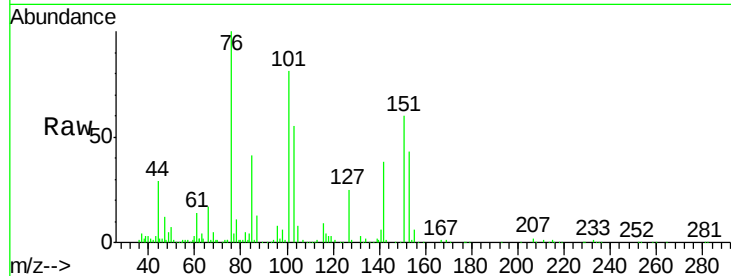
ClientSampleId :

Tot Ion: 76 Resp: 344644

Ion Ratio Lower Upper

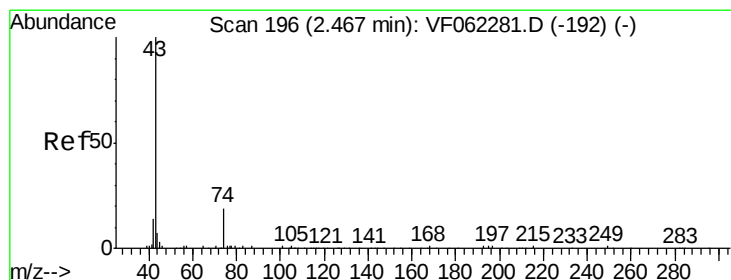
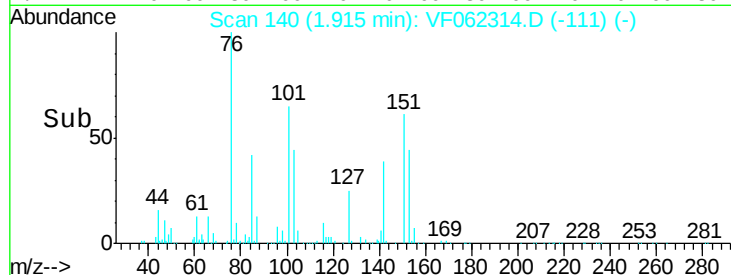
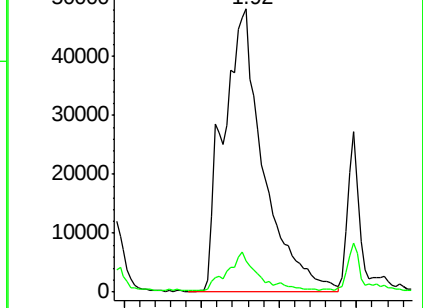
76 100

78 10.6 9.8 14.8



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 51.979 ug/l

RT: 2.45 min Scan# 194

Delta R.T. -0.02 min

Lab File: VF062314.D

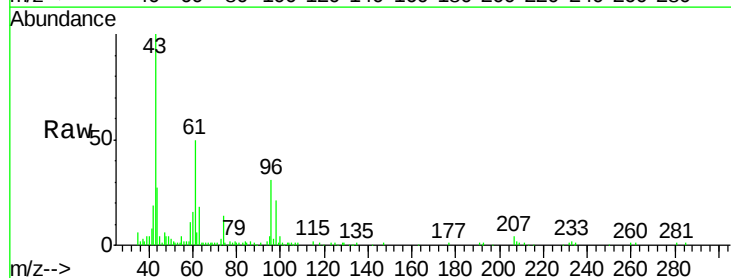
Acq: 29 Apr 2019 15:02

Tgt Ion: 43 Resp: 58581

Ion Ratio Lower Upper

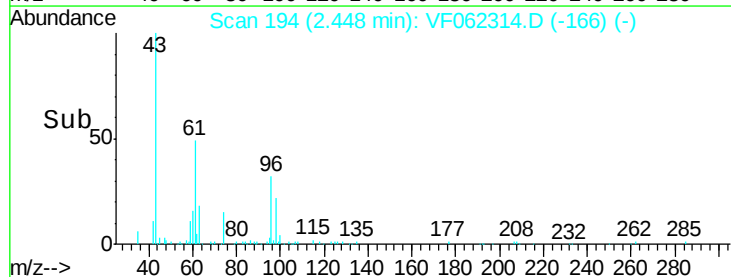
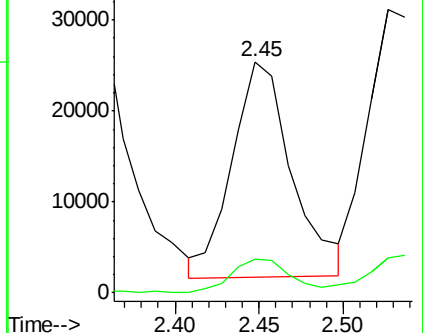
43 100

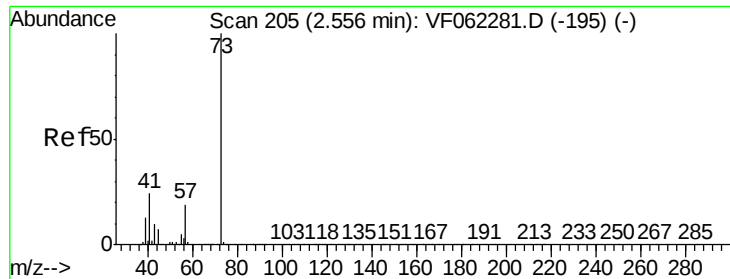
74 16.0 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



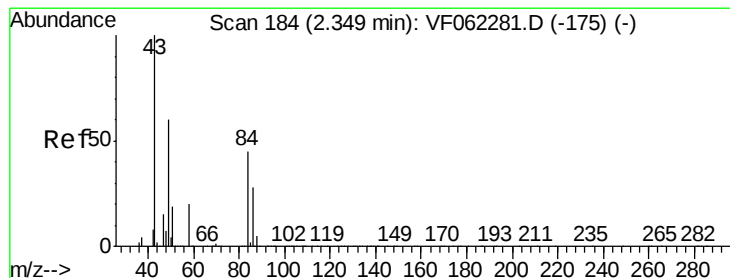
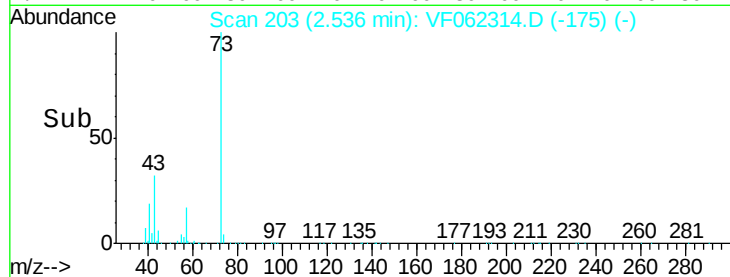
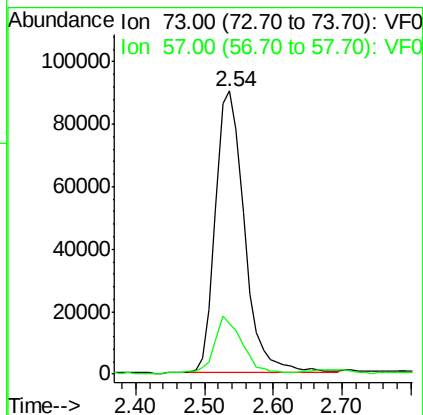
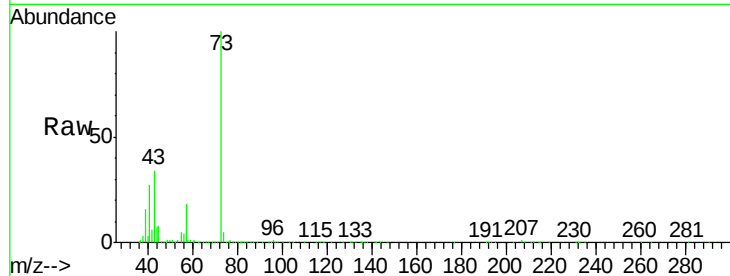


#19

Methyl tert-butyl Ether
 Concen: 49.106 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. -0.02 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

Instrument :
 MSVOA_F
 ClientSampleId :

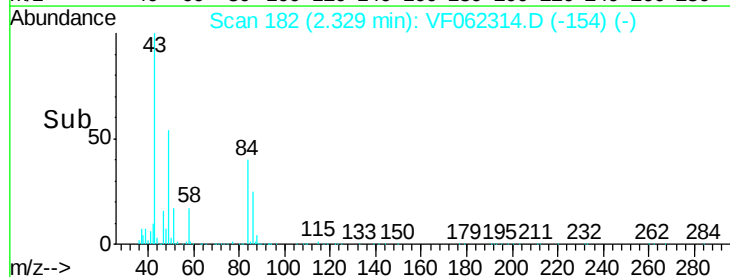
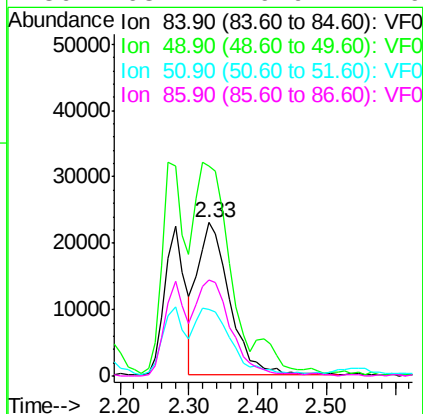
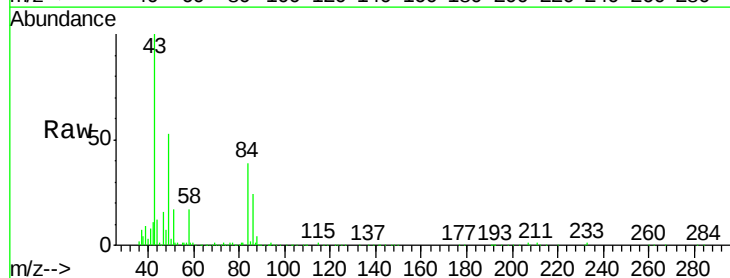
Tot Ion: 73 Resp: 264547
 Ion Ratio Lower Upper
 73 100
 57 16.7 15.5 23.3

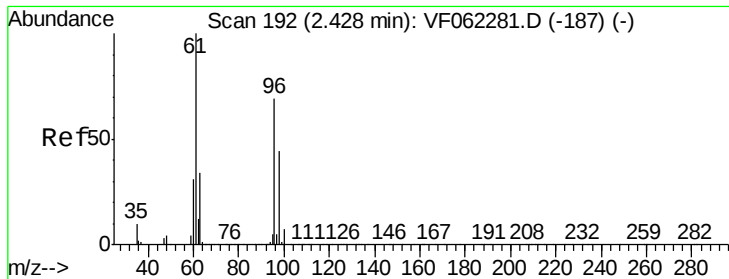


#20

Methylene Chloride
 Concen: 26.142 ug/l
 RT: 2.33 min Scan# 182
 Delta R.T. -0.02 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

Tgt Ion: 84 Resp: 74334
 Ion Ratio Lower Upper
 84 100
 49 135.5 112.1 168.1
 51 39.8 35.9 53.9
 86 63.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 46.250 ug/l

RT: 2.42 min Scan# 191

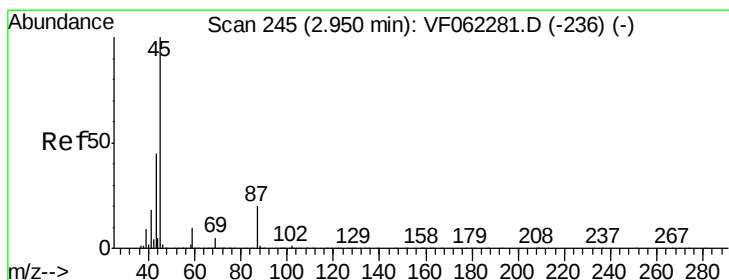
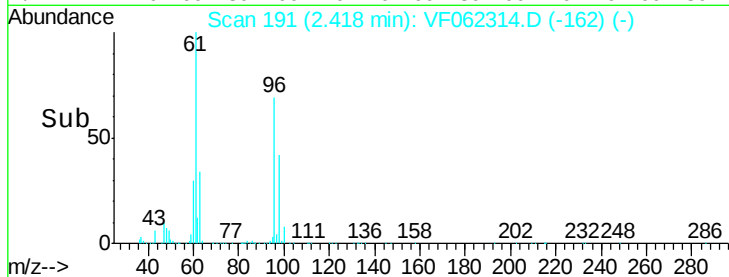
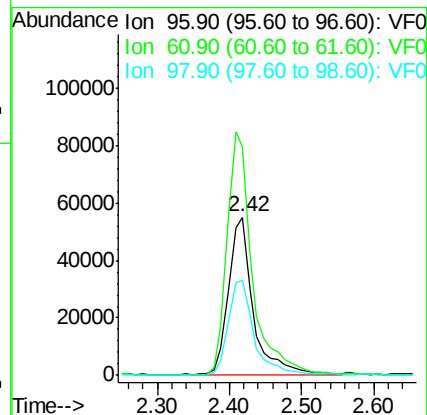
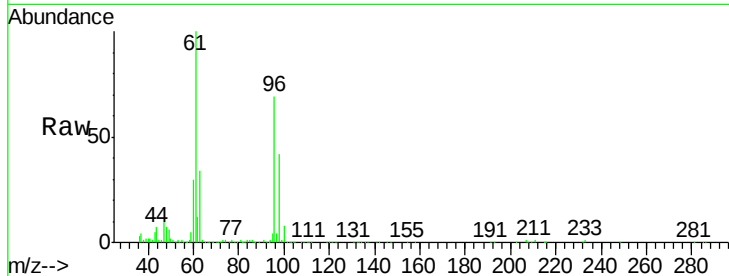
Delta R.T. -0.01 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	96	Resp:	129159
Ion	Ratio	Lower	Upper
96	100		
61	144.5	116.2	174.2
98	60.5	51.4	77.0



#22

Diisopropyl ether

Concen: 48.188 ug/l

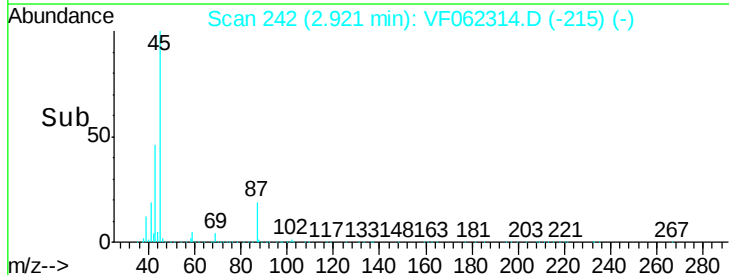
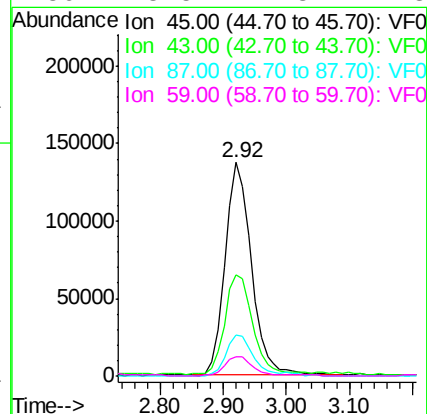
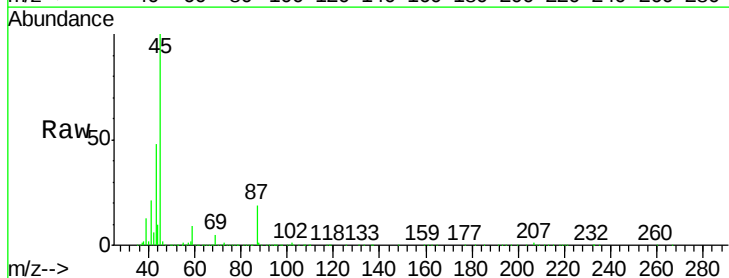
RT: 2.92 min Scan# 242

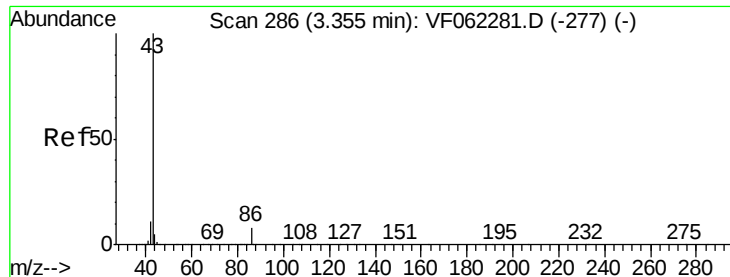
Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Tgt Ion:	45	Resp:	398951
Ion	Ratio	Lower	Upper
45	100		
43	46.7	36.2	54.2
87	19.4	15.8	23.6
59	8.5	7.8	11.8





#23

Vinyl Acetate

Concen: 233.966 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

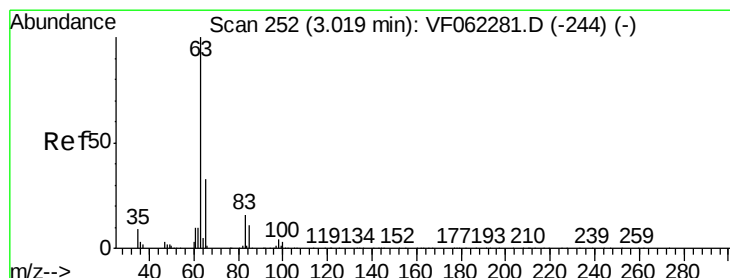
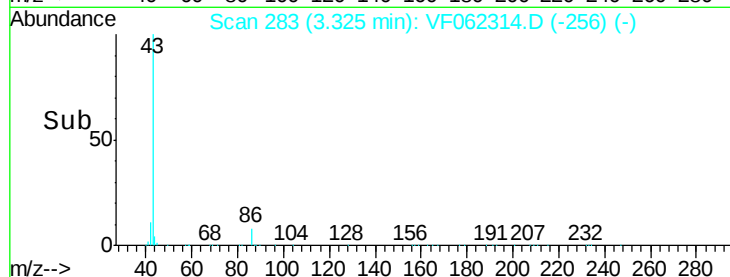
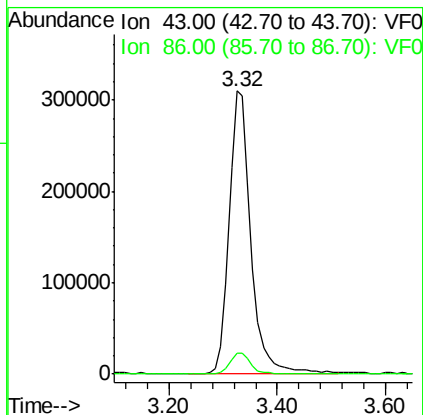
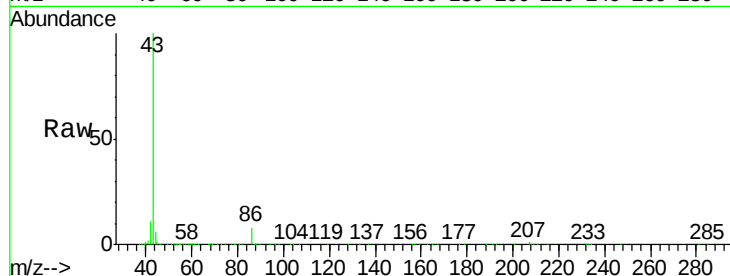
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 858966

Ion Ratio Lower Upper

43 100

86 7.6 6.0 9.0



#24

1,1-Dichloroethane

Concen: 49.020 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

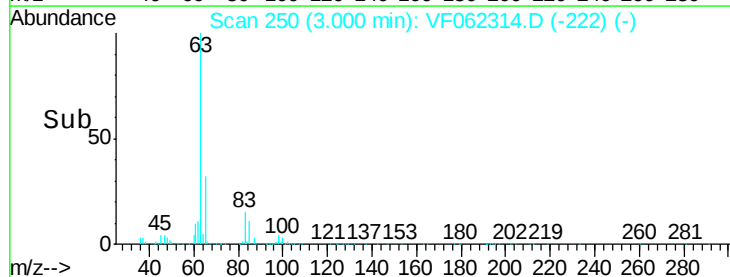
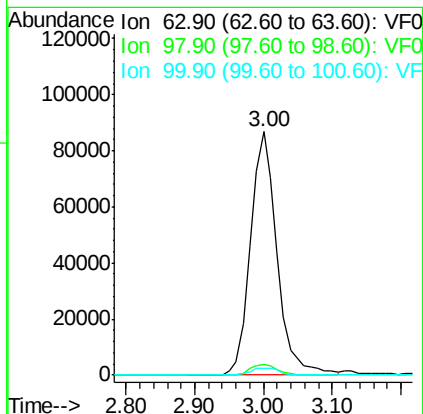
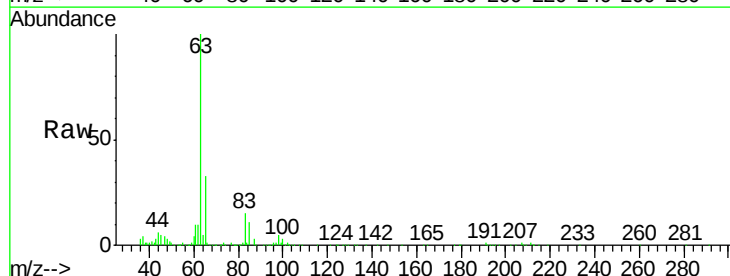
Tgt Ion: 63 Resp: 231641

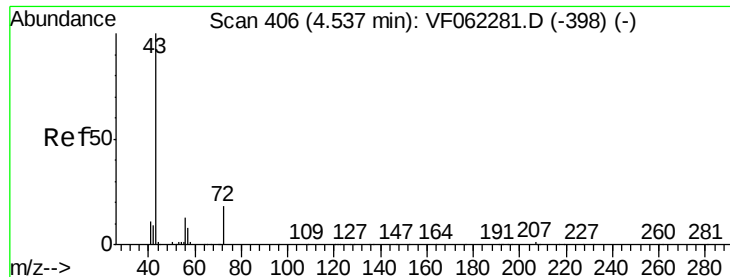
Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.2

100 2.8 1.5 4.5





#25

2-Butanone

Concen: 228.308 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

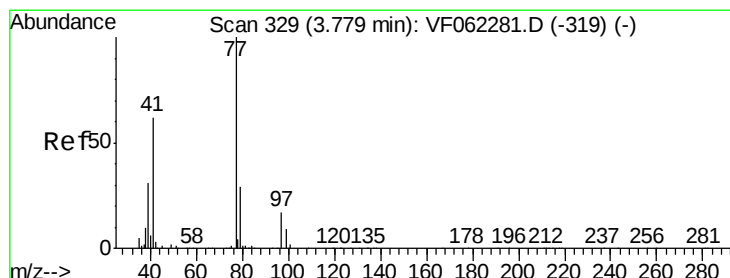
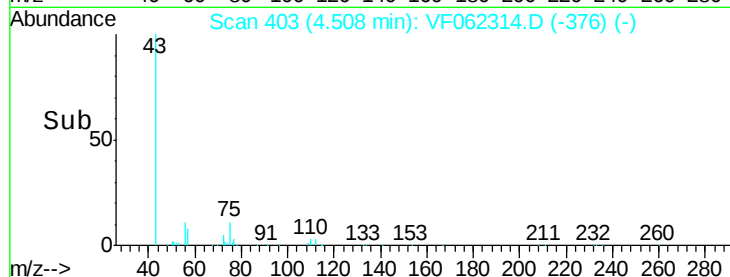
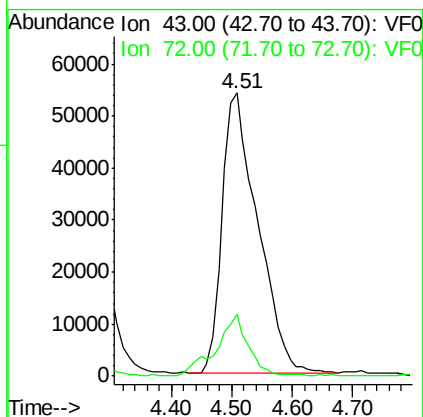
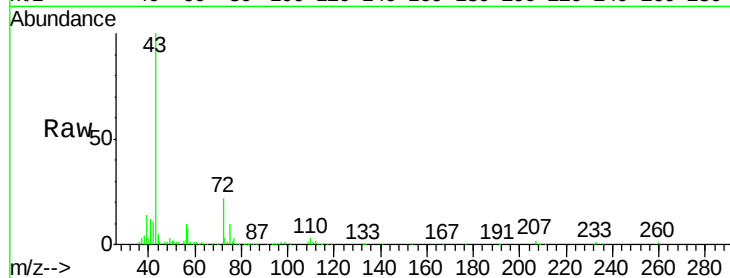
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 219909

Ion Ratio Lower Upper

43 100

72 21.9 15.8 23.6



#26

2,2-Dichloropropane

Concen: 59.188 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF062314.D

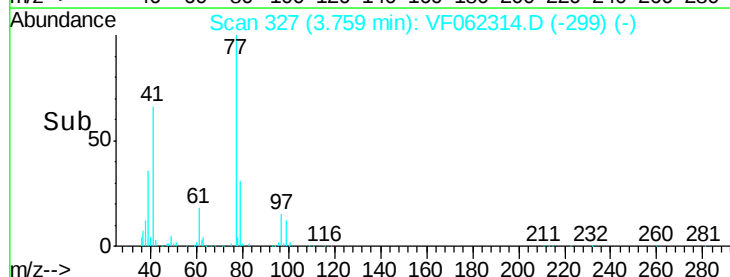
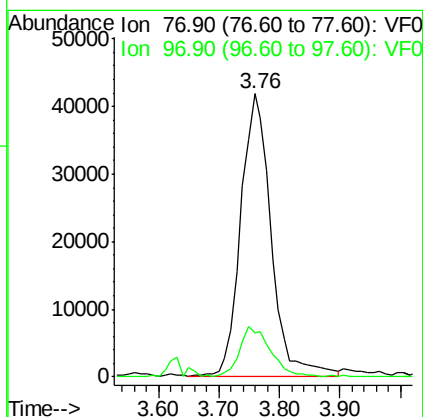
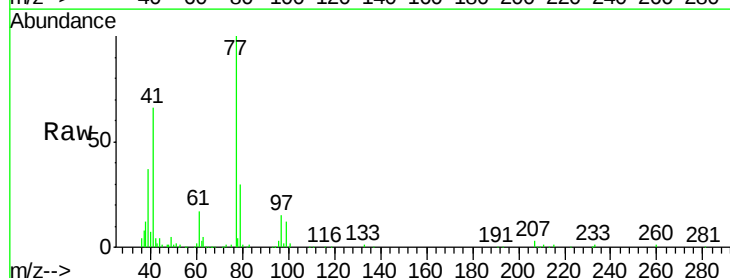
Acq: 29 Apr 2019 15:02

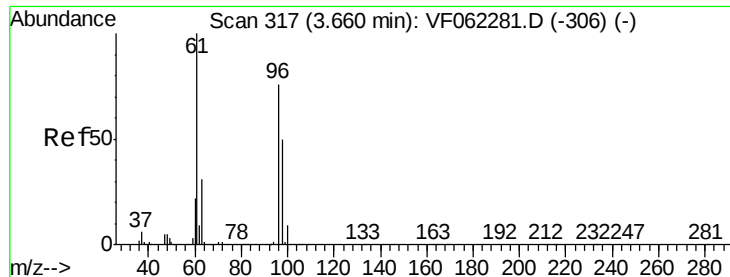
Tgt Ion: 77 Resp: 145242

Ion Ratio Lower Upper

77 100

97 18.2 10.3 30.8



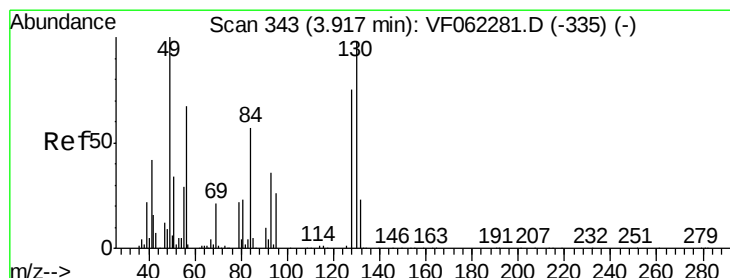
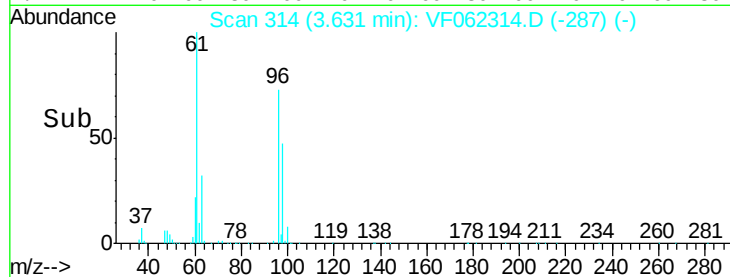
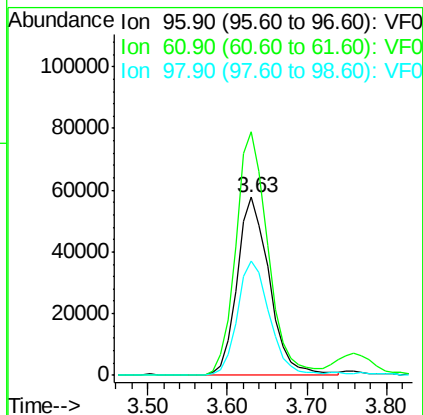
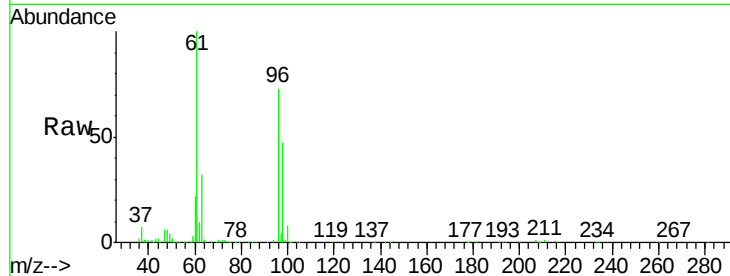


#27

cis-1,2-Dichloroethene
Concen: 45.646 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.03 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :

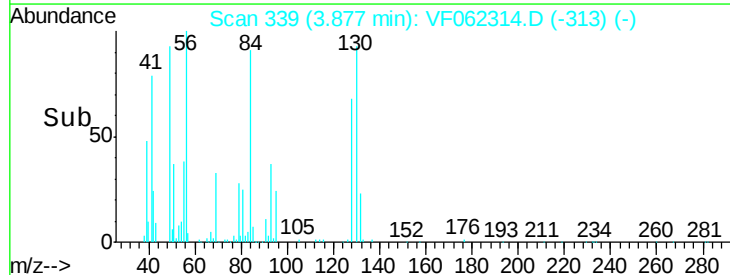
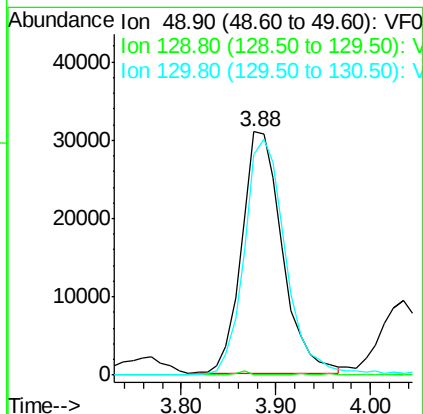
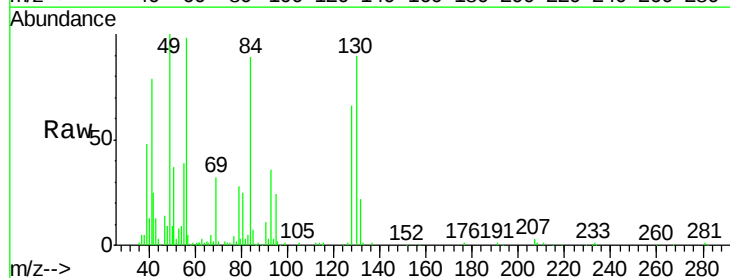
Tot Ion: 96 Resp: 161429
Ion Ratio Lower Upper
96 100
61 137.5 0.0 257.6
98 64.1 0.0 137.4

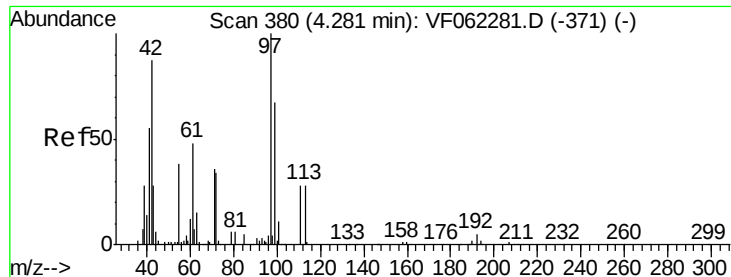


#28

Bromochloromethane
Concen: 46.245 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.04 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Tgt Ion: 49 Resp: 92087
Ion Ratio Lower Upper
49 100
129 0.5 0.0 0.0#
130 99.9 77.0 115.4

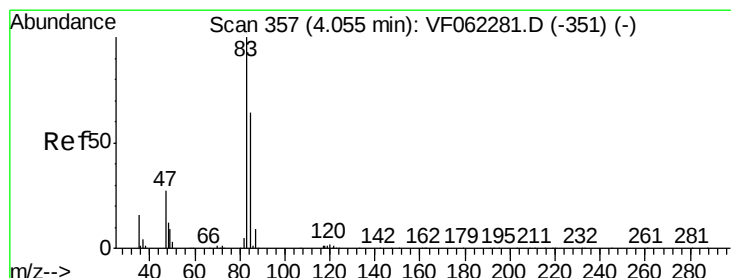
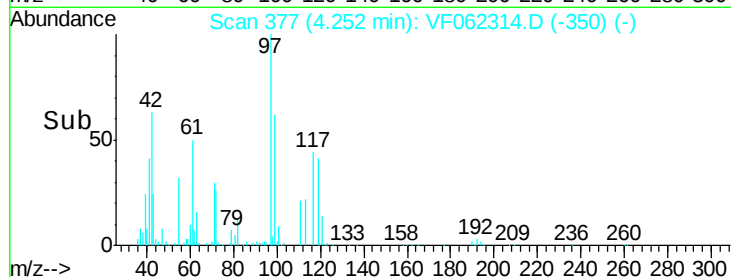
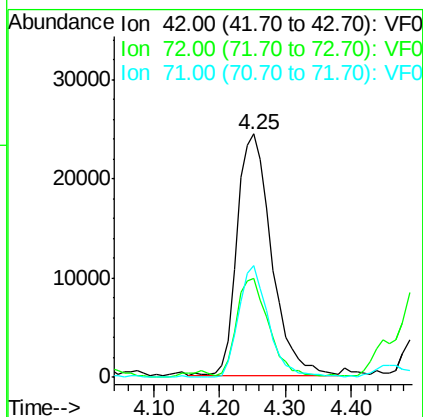
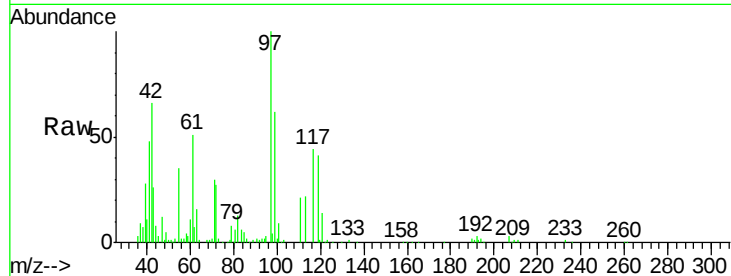




#29
Tetrahydrofuran
Concen: 211.428 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

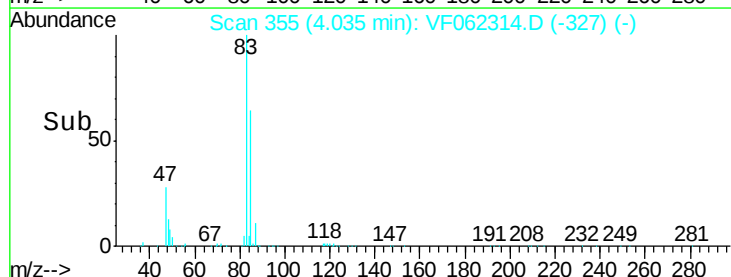
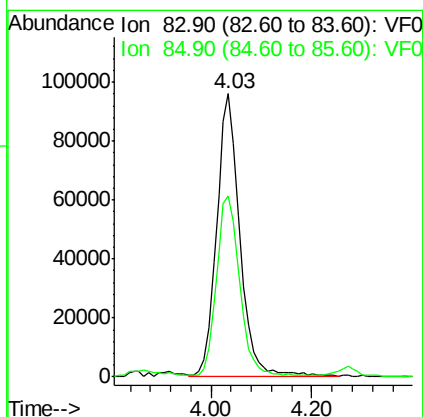
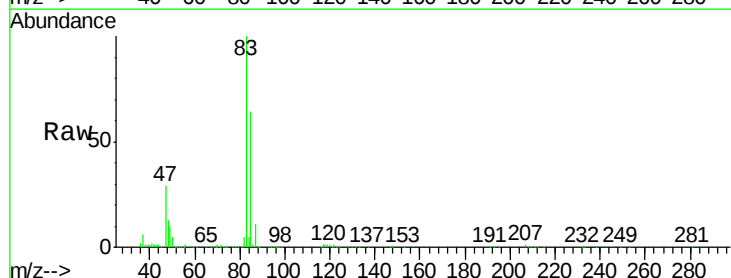
Instrument :
MSVOA_F
ClientSampleId :

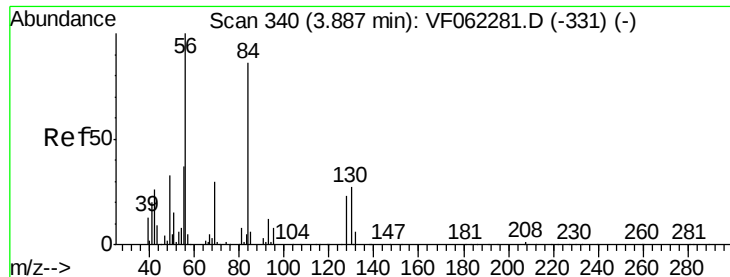
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	29.3	43.9
71	40.4	31.2	46.8



#30
Chloroform
Concen: 52.127 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7





#31

Cyclohexane

Concen: 44.823 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :

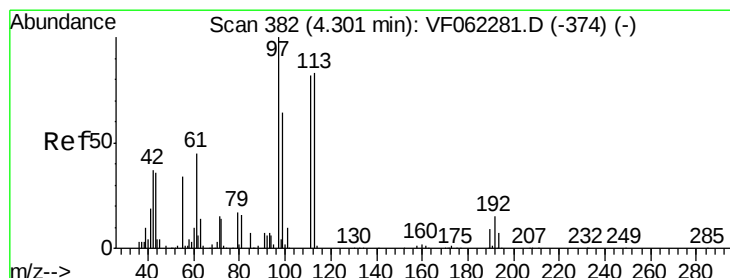
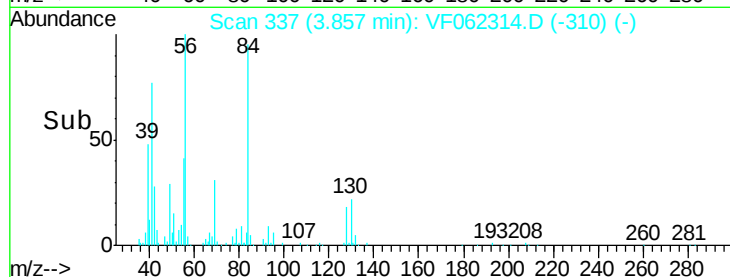
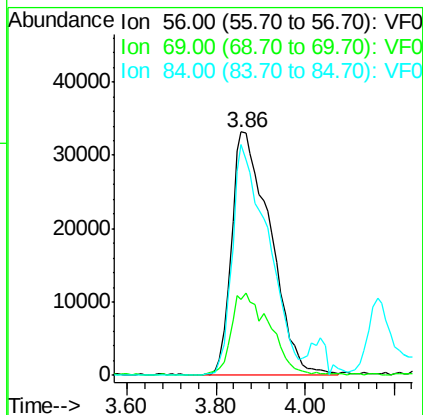
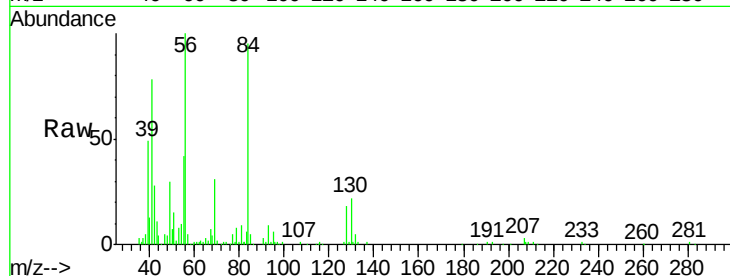
Tot Ion: 56 Resp: 201540

Ion Ratio Lower Upper

56 100

69 31.3 24.3 36.5

84 94.9 68.5 102.7



#32

1,1,1-Trichloroethane

Concen: 55.060 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

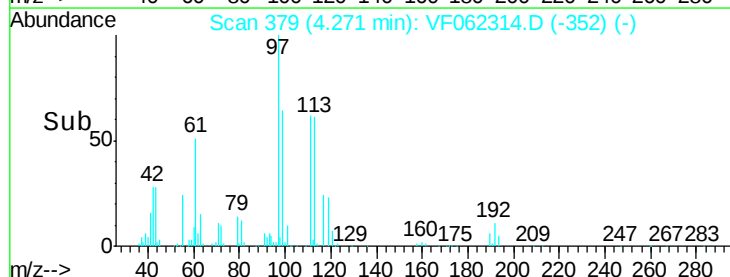
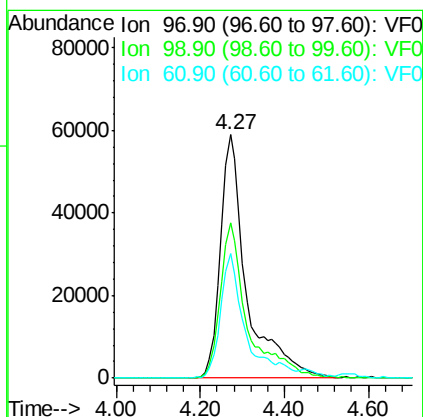
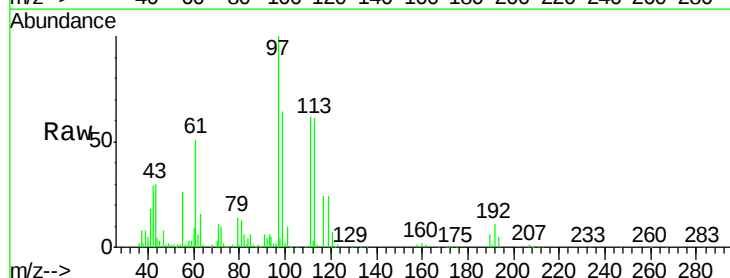
Tgt Ion: 97 Resp: 256506

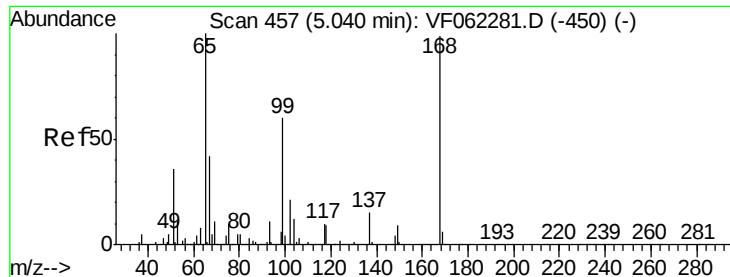
Ion Ratio Lower Upper

97 100

99 65.5 41.6 62.4#

61 48.4 31.6 47.4#





#33

1,2-Dichloroethane-d4

Concen: 50.270 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

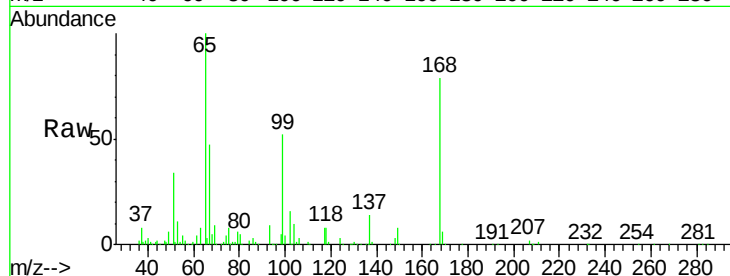
ClientSampled :

Tot Ion: 65 Resp: 136391

Ion Ratio Lower Upper

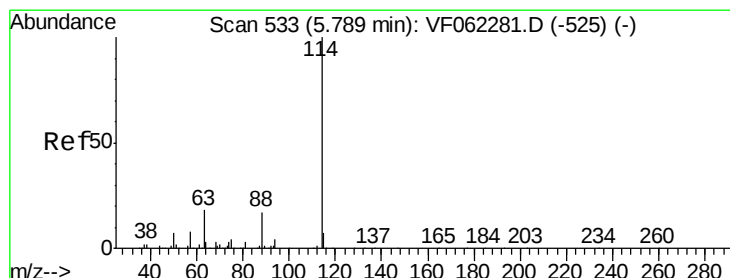
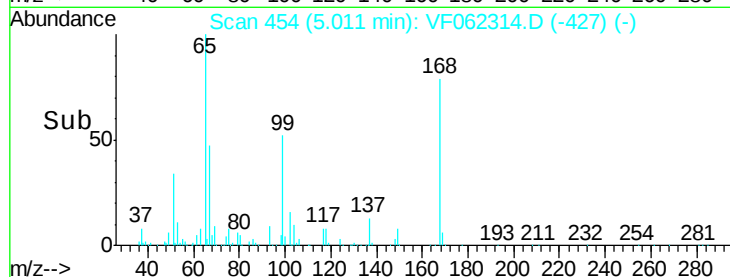
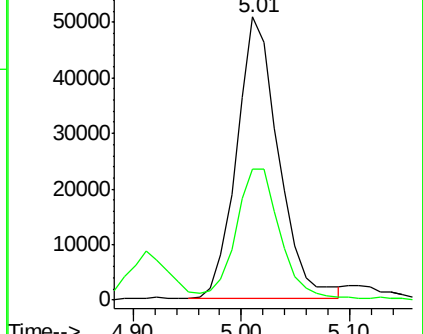
65 100

67 49.7 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# 530

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

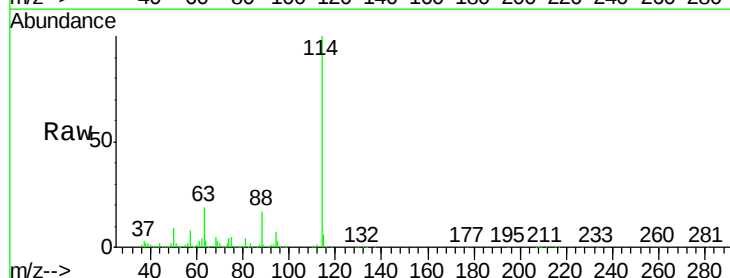
Tgt Ion: 114 Resp: 460399

Ion Ratio Lower Upper

114 100

63 19.5 0.0 35.6

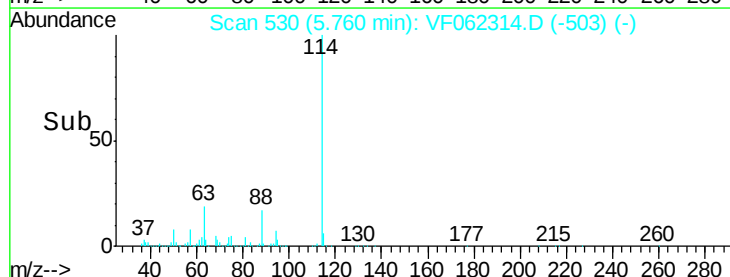
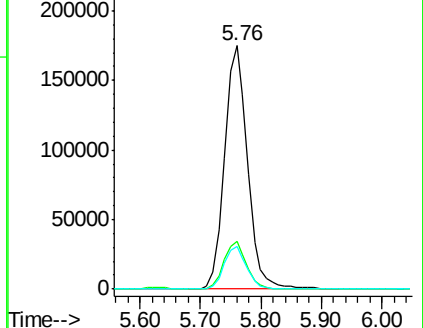
88 17.4 0.0 34.6

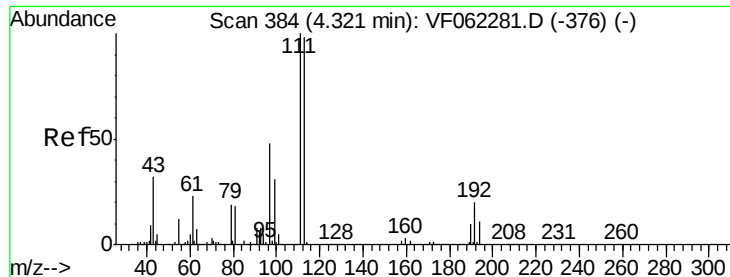


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

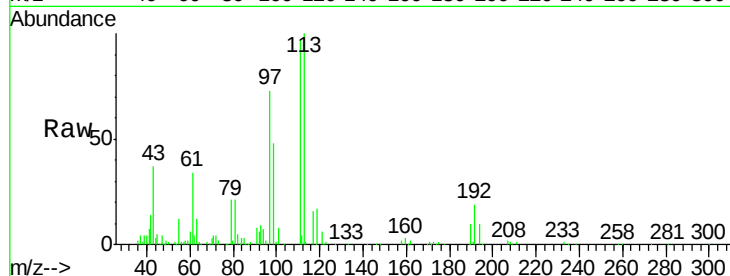




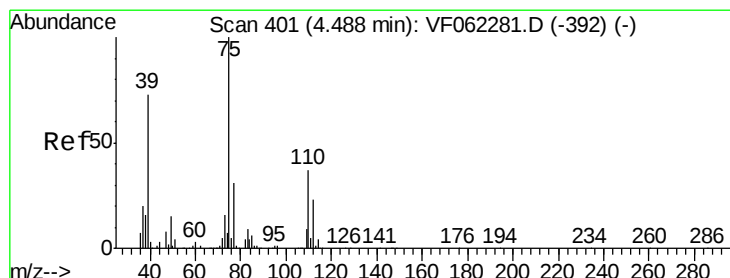
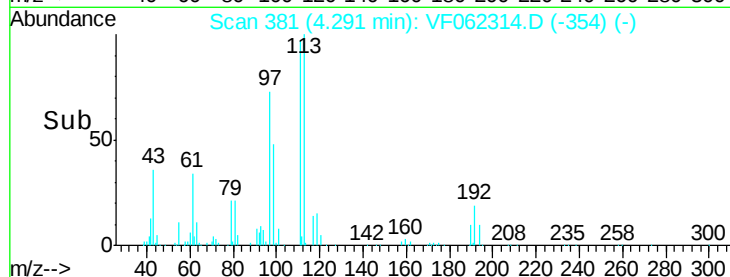
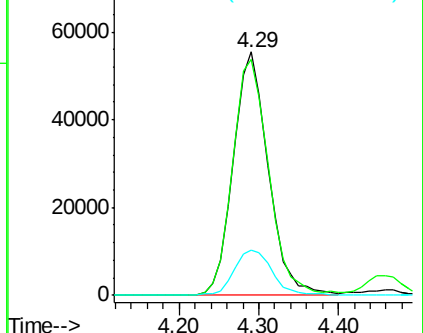
#35
 Dibromofluoromethane
 Concen: 49.662 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.03 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.4	81.4	122.2
192	20.1	17.0	25.4

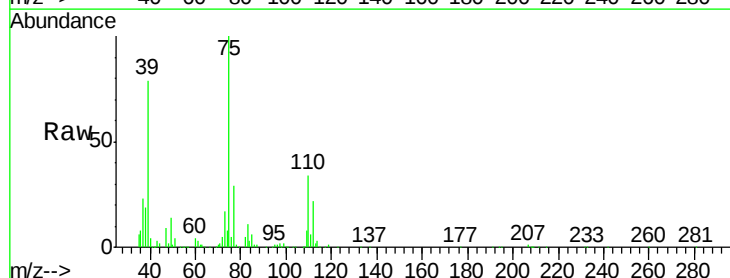


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

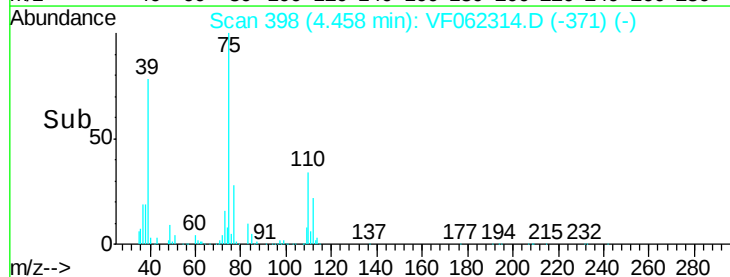
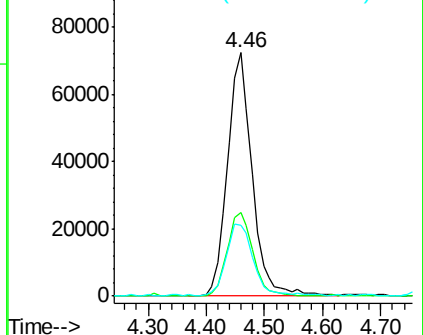


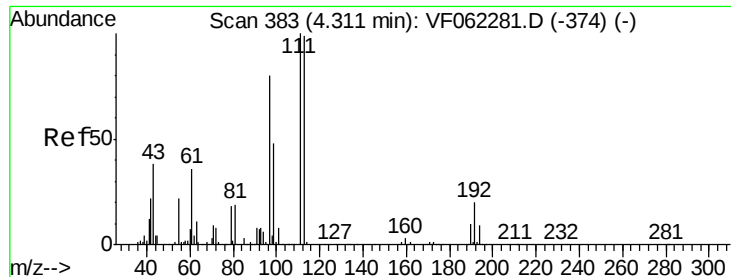
#36
 1,1-Dichloropropene
 Concen: 50.119 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. -0.03 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.9	53.8
77	31.4	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

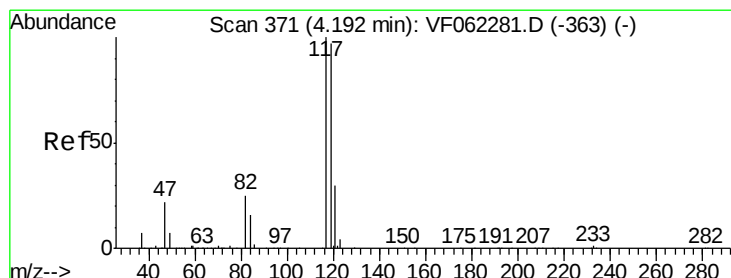
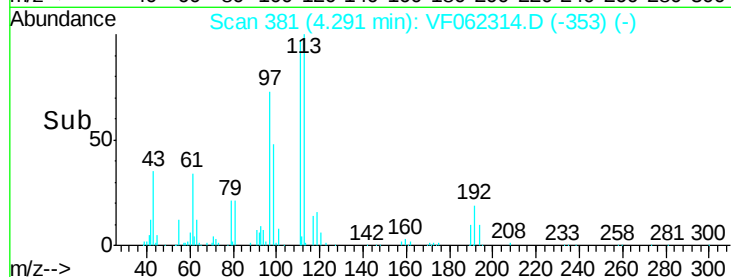
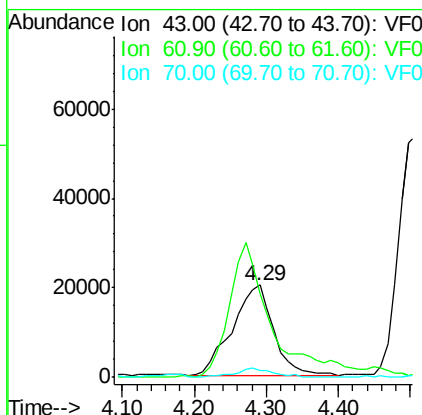
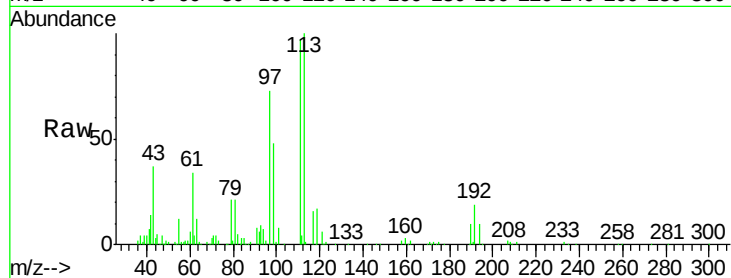




#37
Ethyl Acetate
Concen: 45.884 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

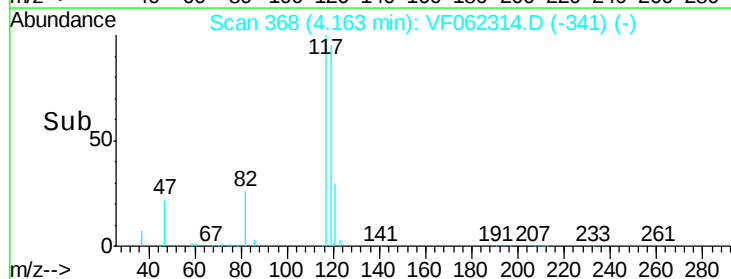
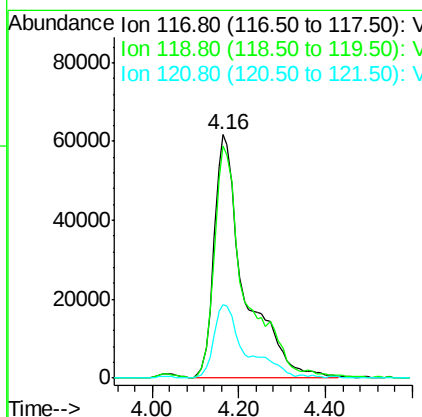
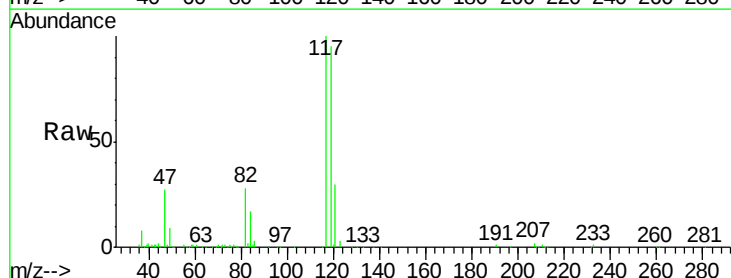
Instrument :
MSVOA_F
ClientSampleId :

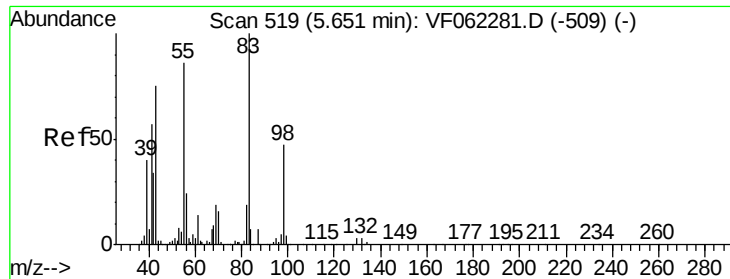
Tot Ion: 43 Resp: 81993
Ion Ratio Lower Upper
43 100
61 151.3 85.8 128.6#
70 9.8 7.3 10.9



#38
Carbon Tetrachloride
Concen: 70.267 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.03 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Tgt Ion: 117 Resp: 303419
Ion Ratio Lower Upper
117 100
119 94.8 77.3 115.9
121 30.3 24.3 36.5





#39

Methvlcvclohexane

Concen: 46.364 ug/l

RT: 5.62 min Scan# 516

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :

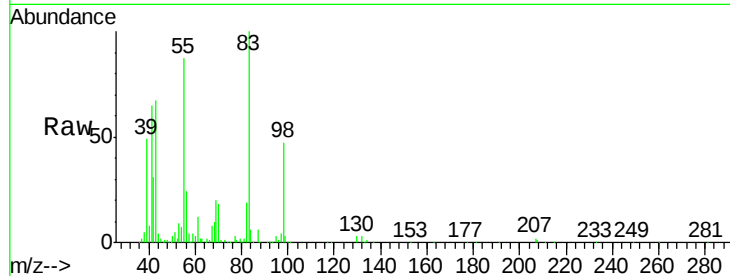
Tot Ion: 83 Resp: 229895

Ion Ratio Lower Upper

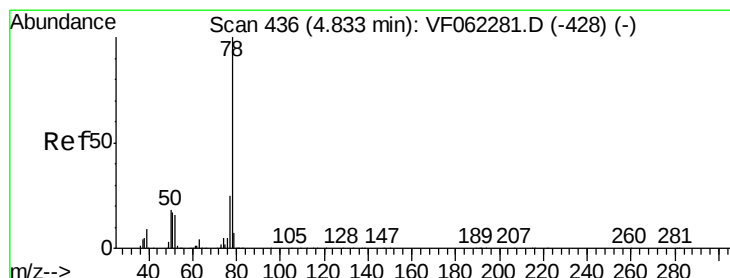
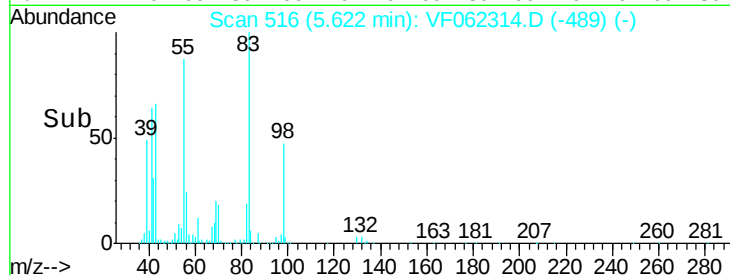
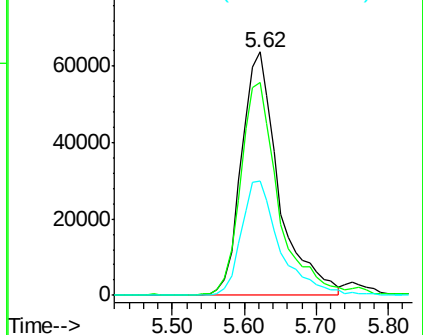
83 100

55 87.0 68.7 103.1

98 47.0 37.4 56.2



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 46.183 ug/l

RT: 4.80 min Scan# 433

Delta R.T. -0.03 min

Lab File: VF062314.D

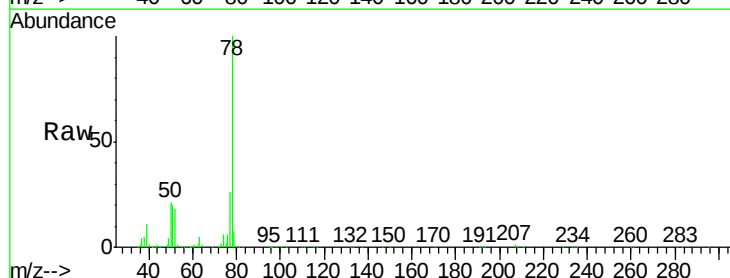
Acq: 29 Apr 2019 15:02

Tgt Ion: 78 Resp: 473942

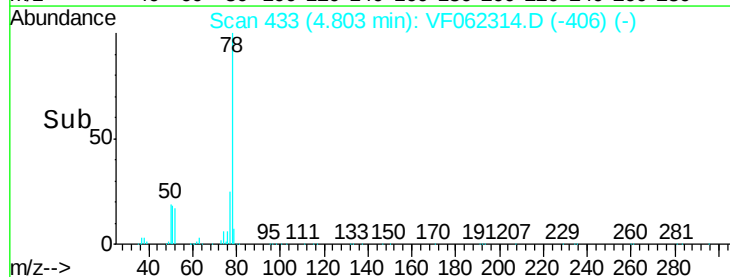
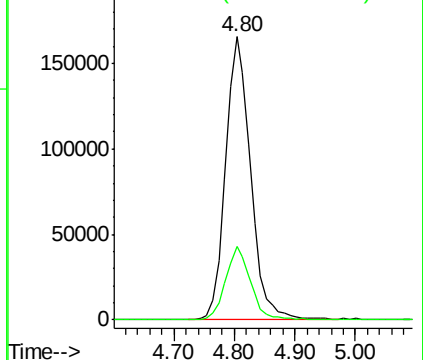
Ion Ratio Lower Upper

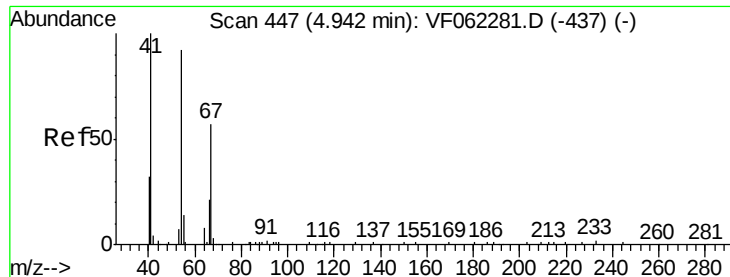
78 100

77 25.7 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VF0
Ion 77.00 (76.70 to 77.70): VF0

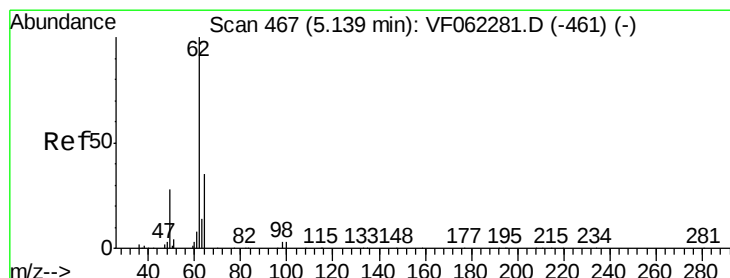
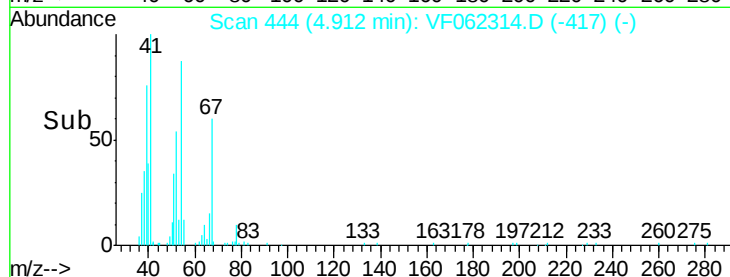
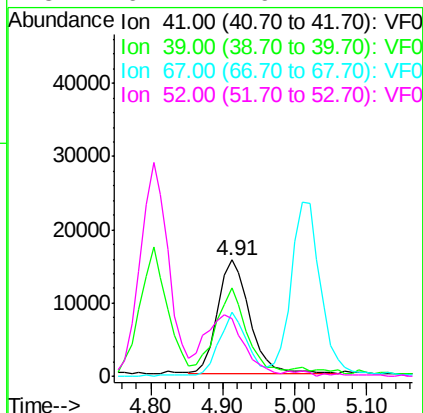
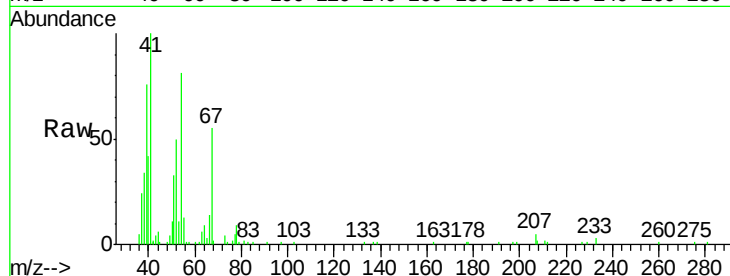




#41
Methacrylonitrile
Concen: 48.203 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.03 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

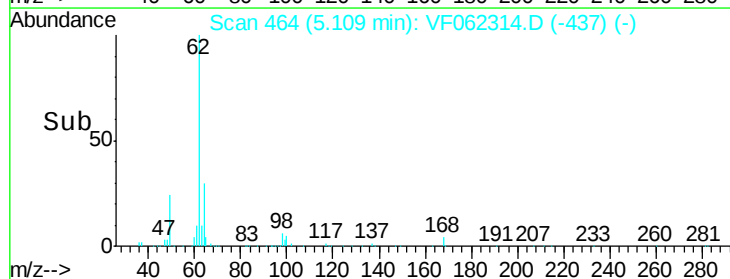
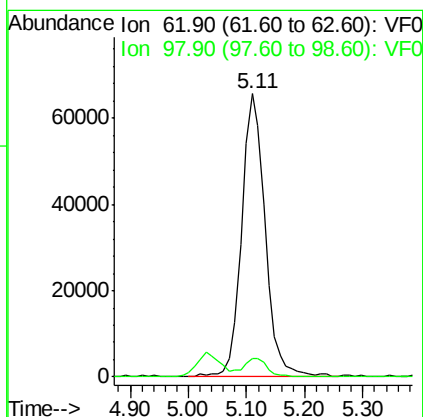
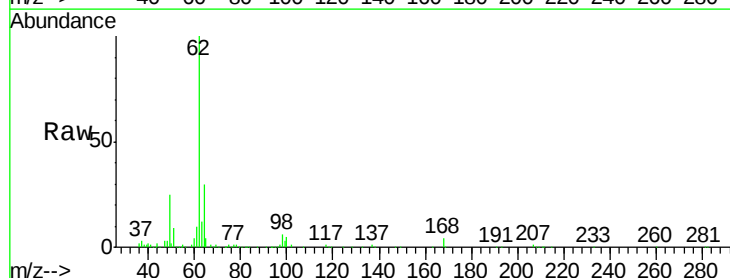
Instrument :
MSVOA_F
ClientSampleId :

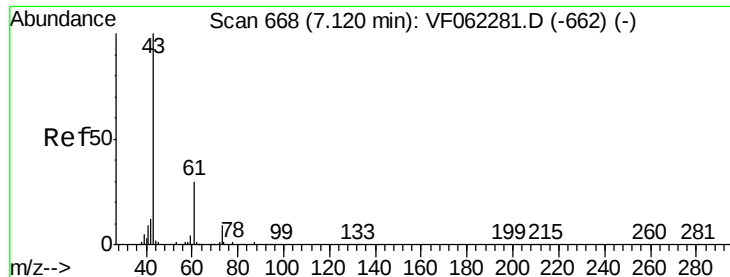
Tot Ion:	41	Resp:	47853
Ion	Ratio	Lower	Upper
41	100		
39	74.6	47.3	70.9#
67	50.7	41.3	61.9
52	67.4	49.4	74.2



#42
1,2-Dichloroethane
Concen: 57.096 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.03 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Tgt Ion:	62	Resp:	185626
Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	16.8



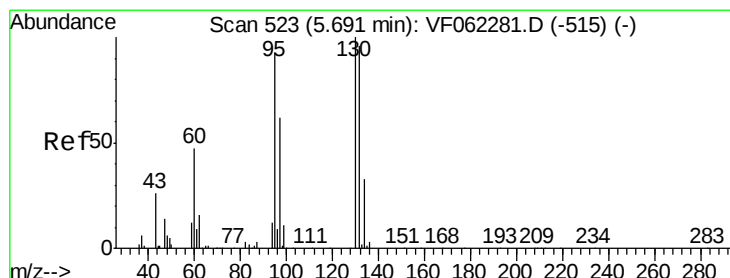
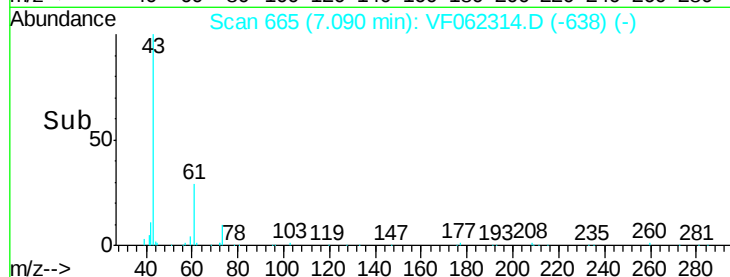
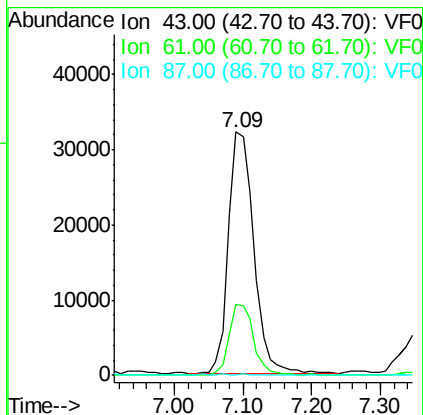
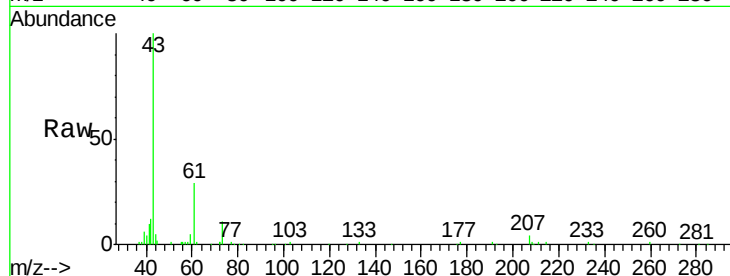


#43

Isopropyl Acetate
 Concen: 44.819 ug/l
 RT: 7.09 min Scan# 665
 Delta R.T. -0.03 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

Instrument :
 MSVOA_F
 ClientSampleId :

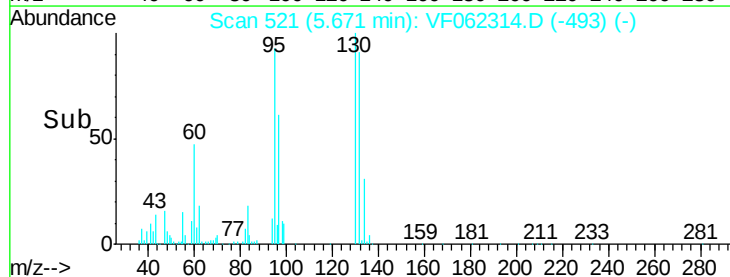
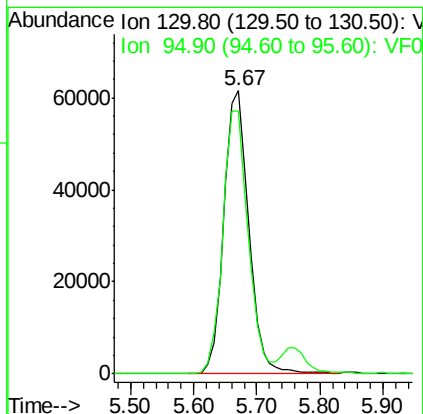
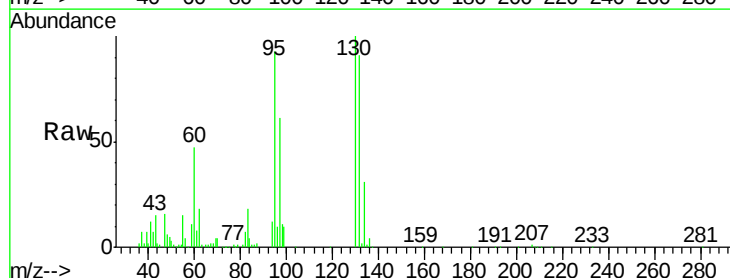
Tot Ion: 43 Resp: 82110
 Ion Ratio Lower Upper
 43 100
 61 28.6 23.8 35.6
 87 0.2 0.5 0.7#

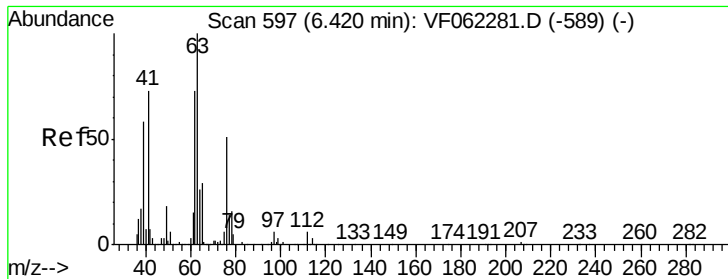


#44

Trichloroethene
 Concen: 48.659 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

Tgt Ion: 130 Resp: 168947
 Ion Ratio Lower Upper
 130 100
 95 92.8 0.0 186.4





#45

1,2-Dichloropropane

Concen: 48.092 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

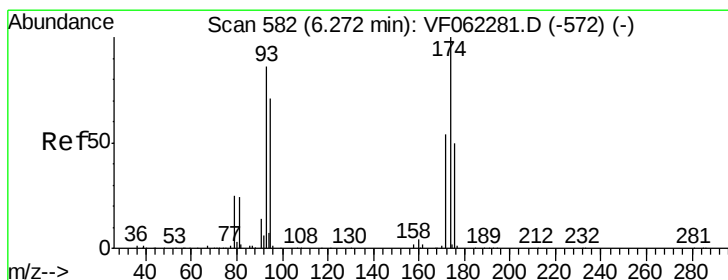
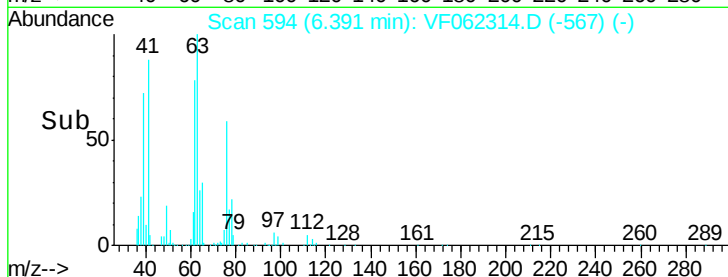
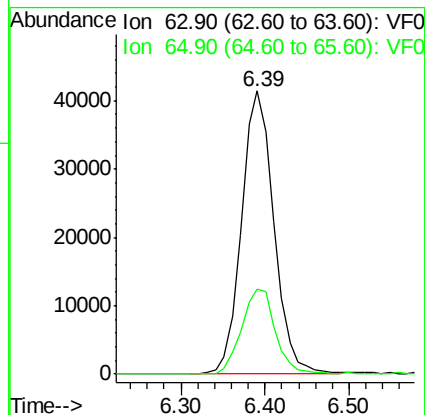
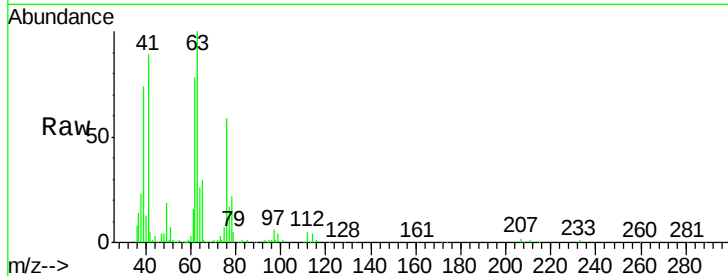
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 111276

Ion Ratio Lower Upper

63 100

65 29.9 23.5 35.3



#46

Dibromomethane

Concen: 50.449 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

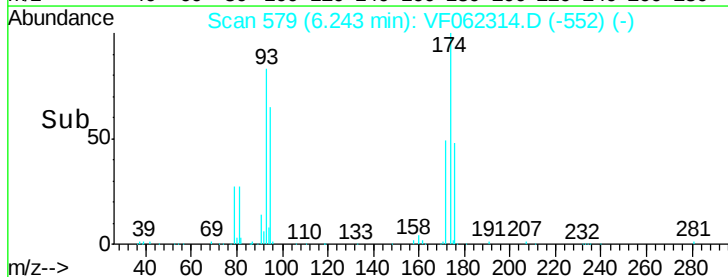
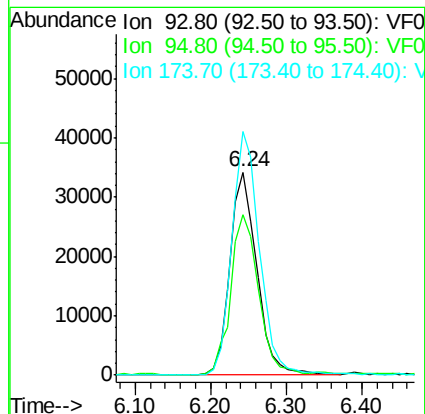
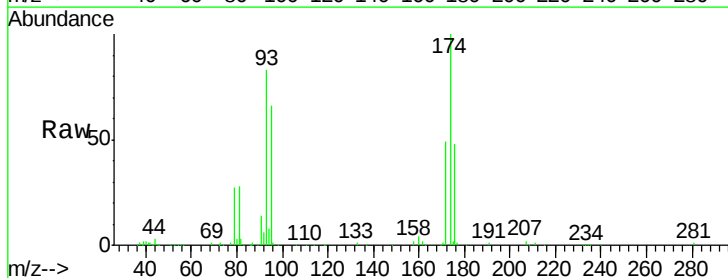
Tgt Ion: 93 Resp: 84287

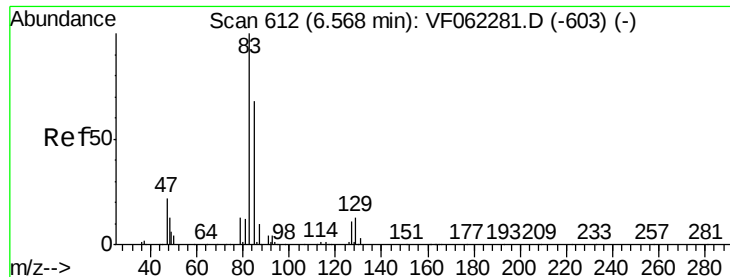
Ion Ratio Lower Upper

93 100

95 81.7 66.2 99.4

174 123.1 94.9 142.3





#47

Bromodichloromethane

Concen: 53.658 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :

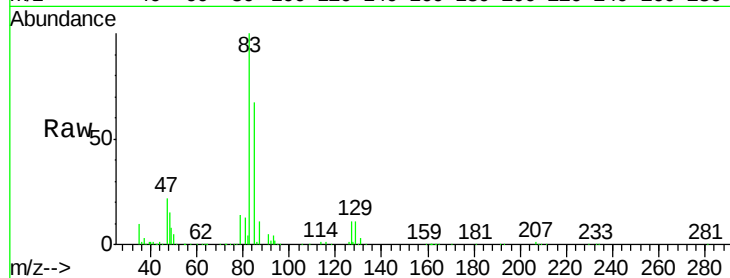
Tot Ion: 83 Resp: 210754

Ion Ratio Lower Upper

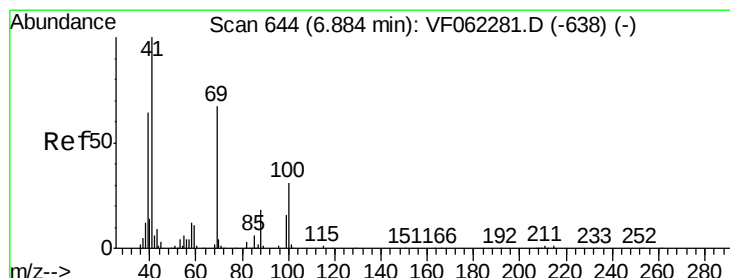
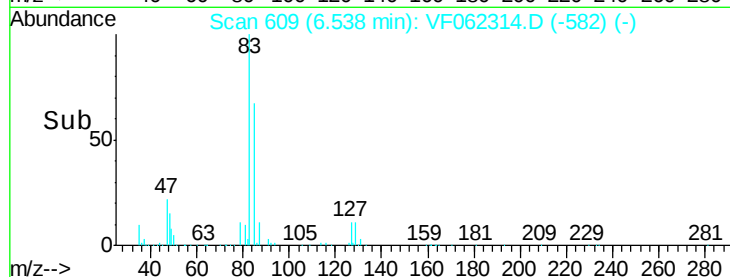
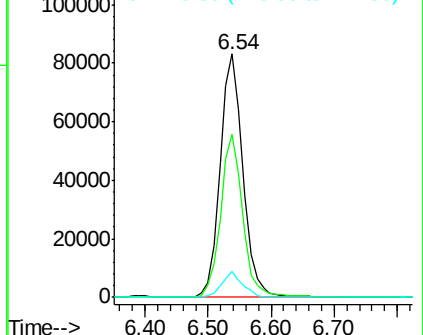
83 100

85 66.8 54.6 81.8

127 10.7 8.7 13.1



Abundance Ion 82.90 (82.60 to 83.60): VF0
Ion 84.90 (84.60 to 85.60): VF0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.415 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

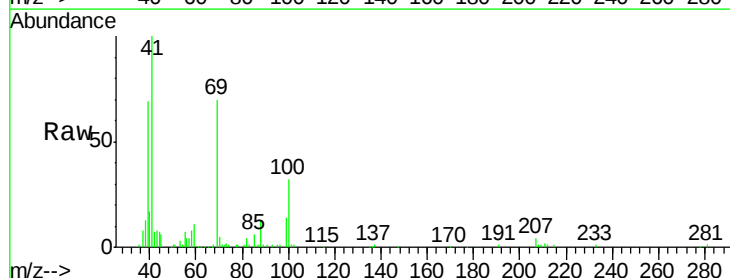
Tgt Ion: 41 Resp: 62075

Ion Ratio Lower Upper

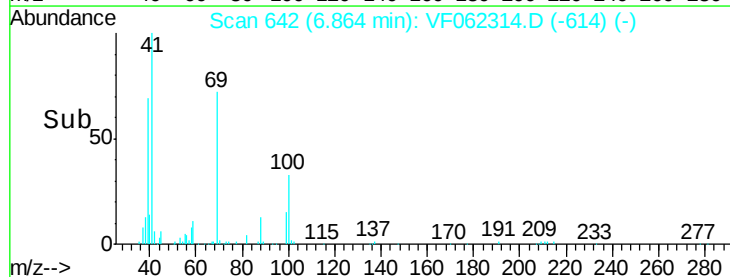
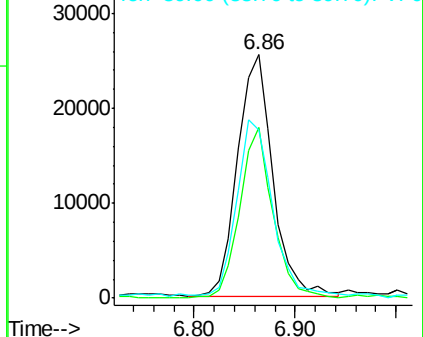
41 100

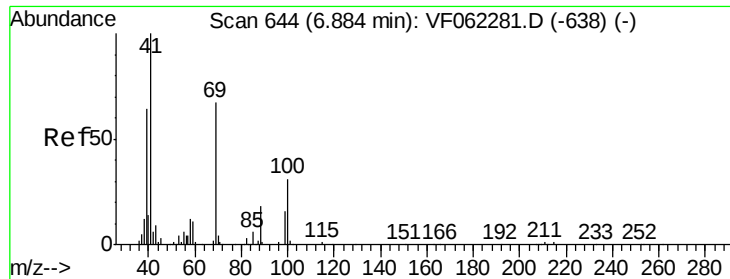
69 66.3 53.4 80.2

39 73.0 50.9 76.3



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

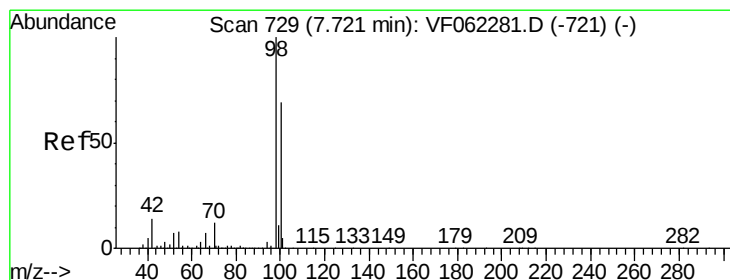
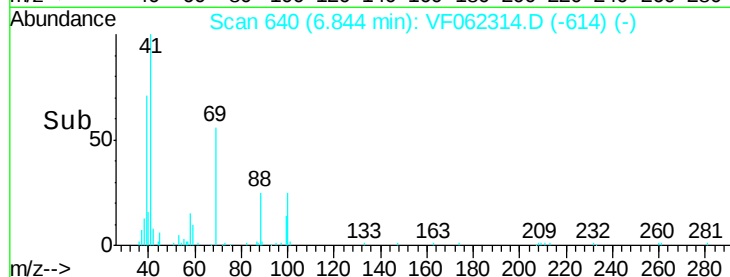
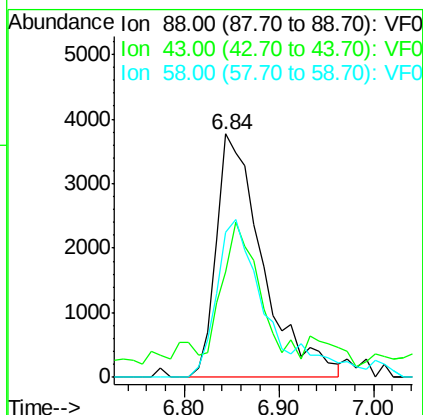
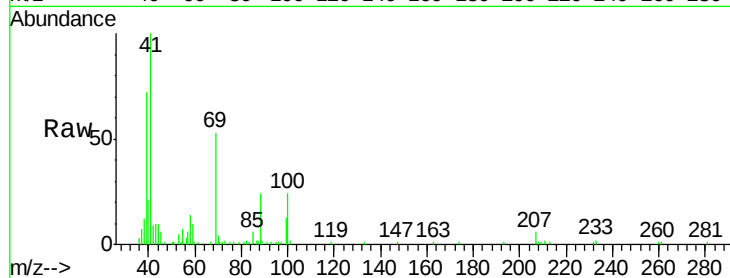




#49
1,4-Dioxane
Concen: 851.395 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.04 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

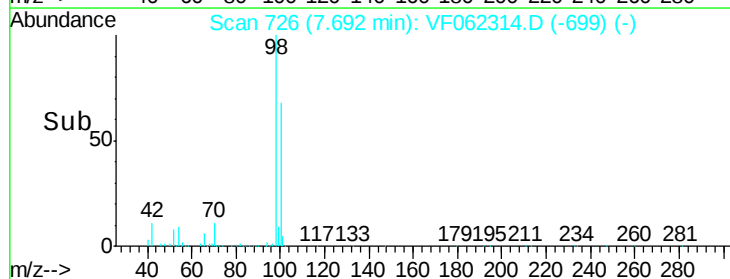
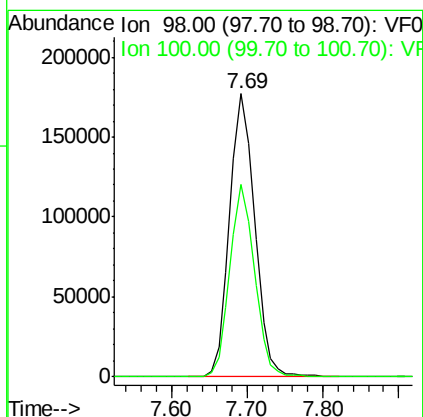
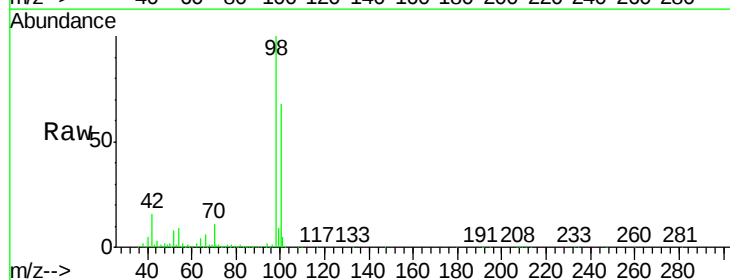
Instrument :
MSVOA_F
ClientSampleId :

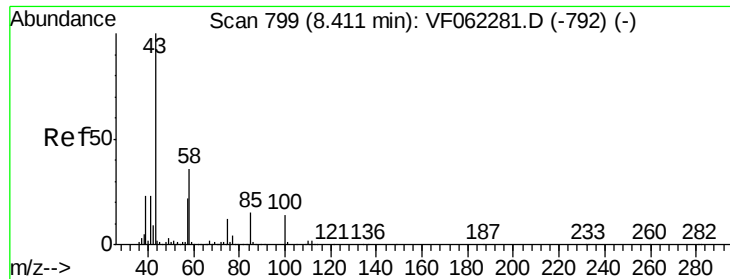
Tot Ion: 88 Resp: 12835
Ion Ratio Lower Upper
88 100
43 42.7 34.2 51.4
58 59.9 50.7 76.1



#50
Toluene-d8
Concen: 49.099 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.03 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Tgt Ion: 98 Resp: 409396
Ion Ratio Lower Upper
98 100
100 66.9 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 235.261 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

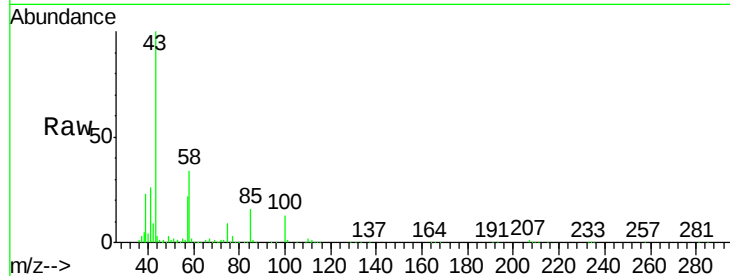
ClientSampled :

Tot Ion: 43 Resp: 331240

Ion Ratio Lower Upper

43 100

58 34.8 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.38

150000

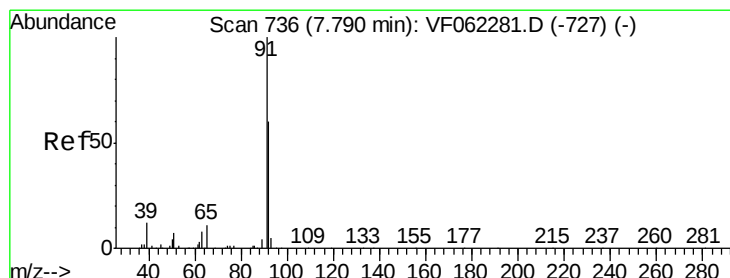
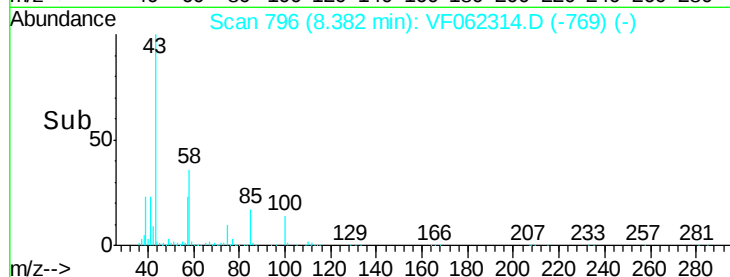
100000

50000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 46.949 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.03 min

Lab File: VF062314.D

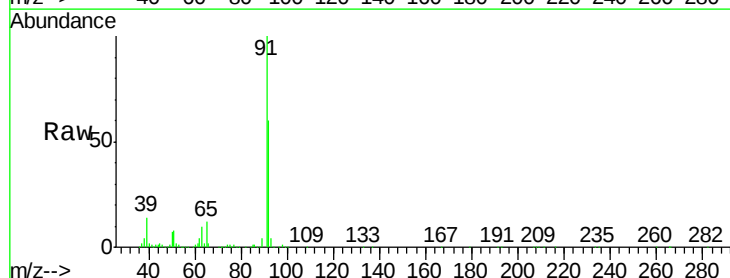
Acq: 29 Apr 2019 15:02

Tgt Ion: 92 Resp: 278018

Ion Ratio Lower Upper

92 100

91 173.6 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.76

200000

150000

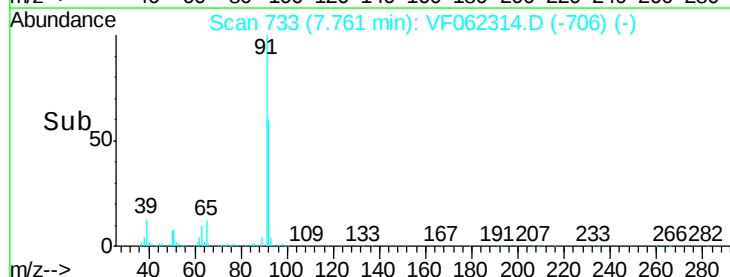
100000

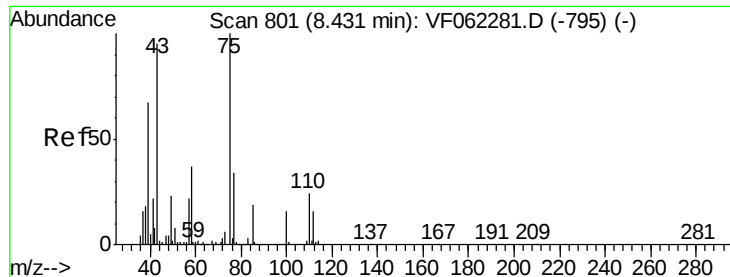
50000

0

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.763 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

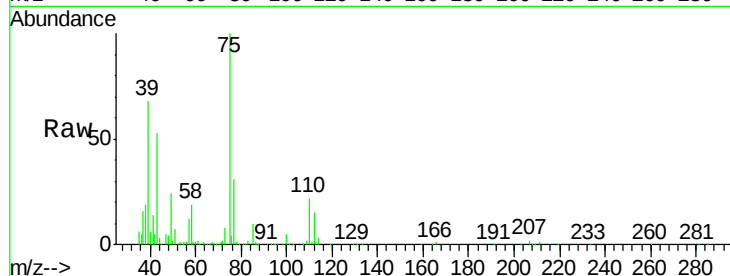
ClientSampleId :

Tot Ion: 75 Resp: 149501

Ion Ratio Lower Upper

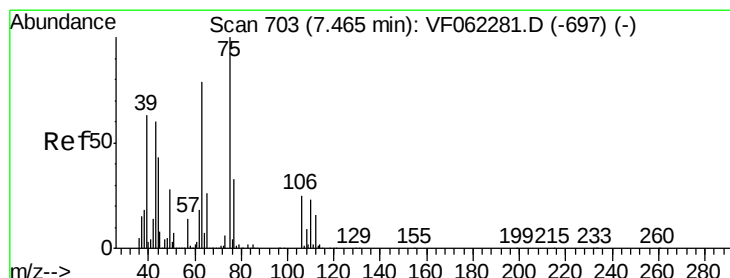
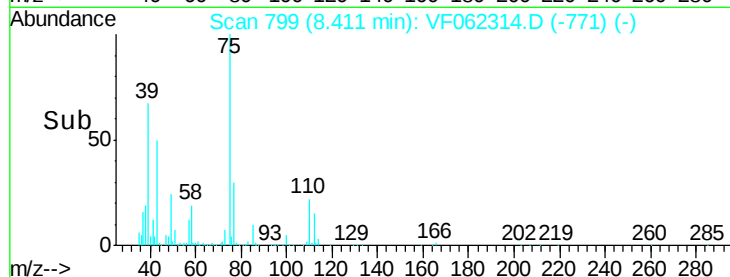
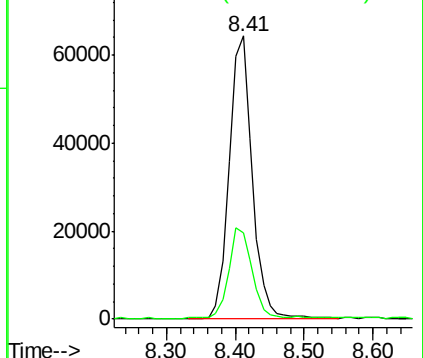
75 100

77 30.1 26.9 40.3



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0



#54

cis-1,3-Dichloropropene

Concen: 49.602 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

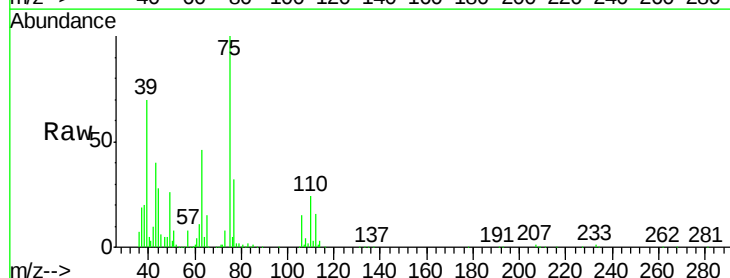
Tgt Ion: 75 Resp: 183528

Ion Ratio Lower Upper

75 100

77 31.5 26.5 39.7

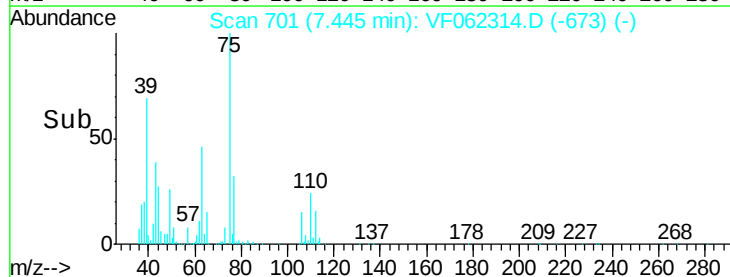
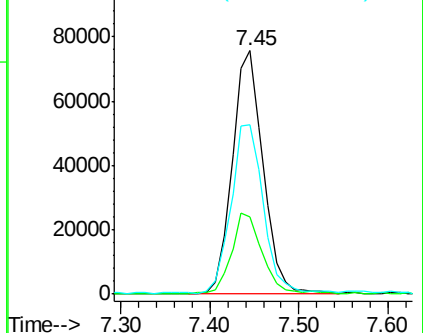
39 69.4 50.2 75.2

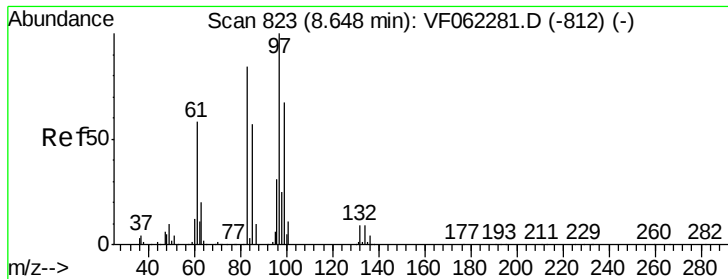


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 51.635 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 97 Resp: 86841

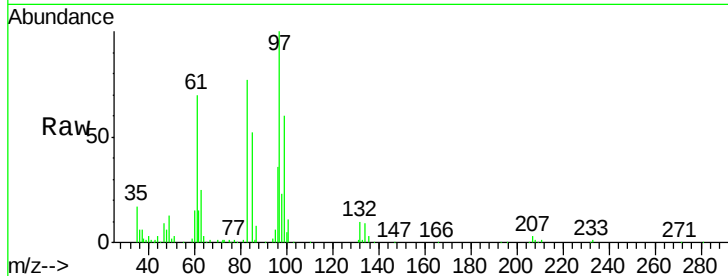
Ion Ratio Lower Upper

97 100

83 77.4 67.5 101.3

85 52.0 45.3 67.9

99 59.9 53.4 80.0

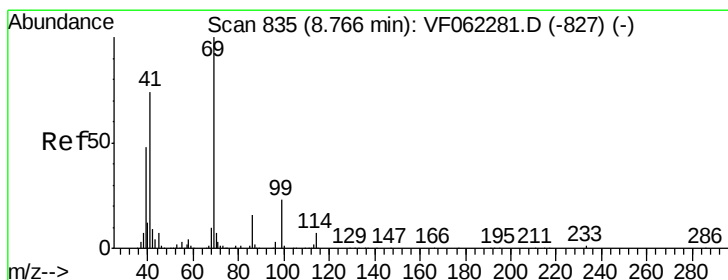
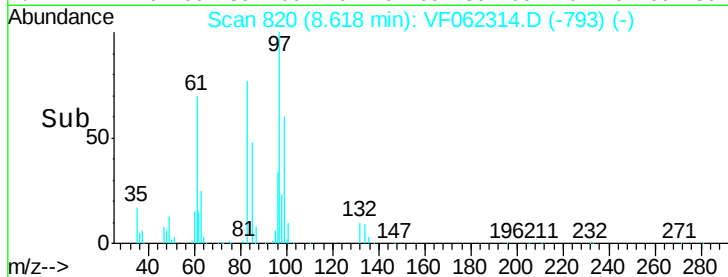
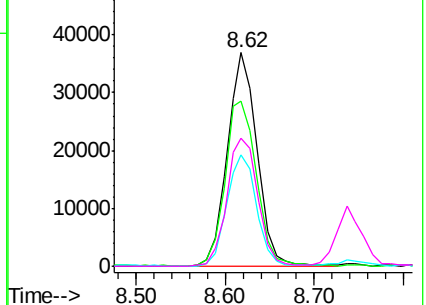


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 43.322 ug/l

RT: 8.74 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

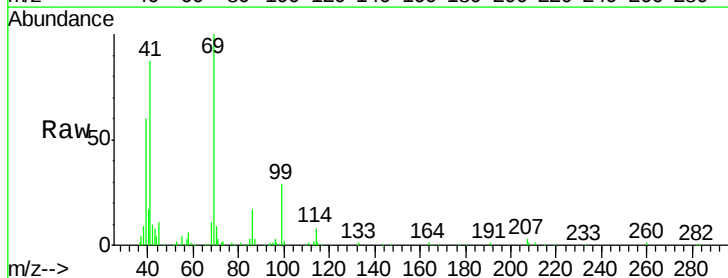
Tgt Ion: 69 Resp: 80044

Ion Ratio Lower Upper

69 100

41 84.2 61.5 92.3

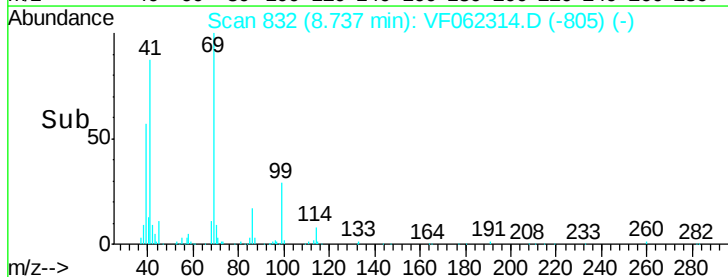
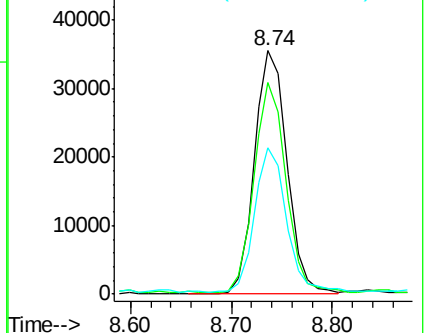
39 57.3 37.9 56.9#

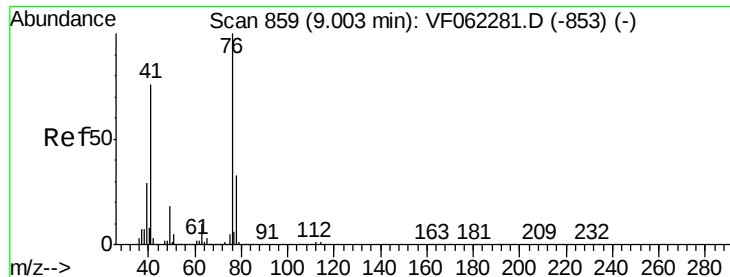


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.781 ug/l

RT: 8.97 min Scan# 856

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

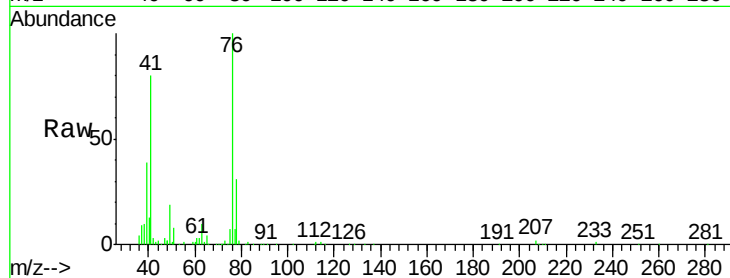
ClientSampled :

Tot Ion: 76 Resp: 126349

Ion Ratio Lower Upper

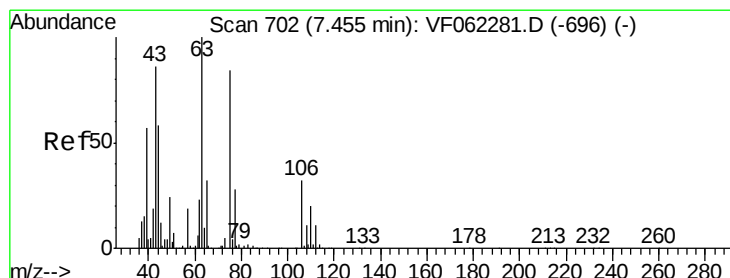
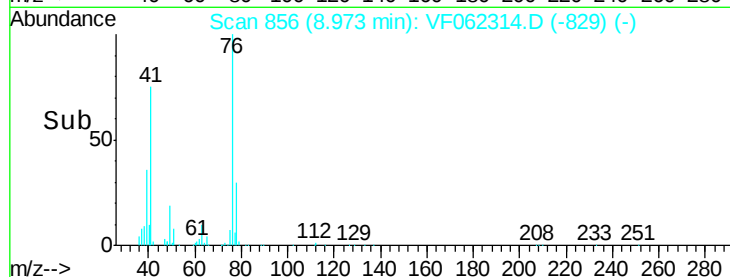
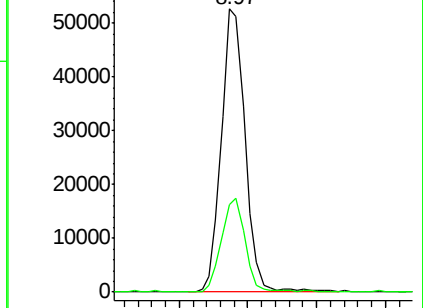
76 100

78 32.1 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: 207.198 ug/l

RT: 7.44 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF062314.D

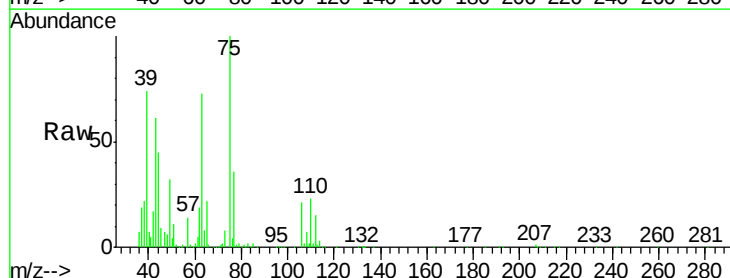
Acq: 29 Apr 2019 15:02

Tgt Ion: 63 Resp: 116492

Ion Ratio Lower Upper

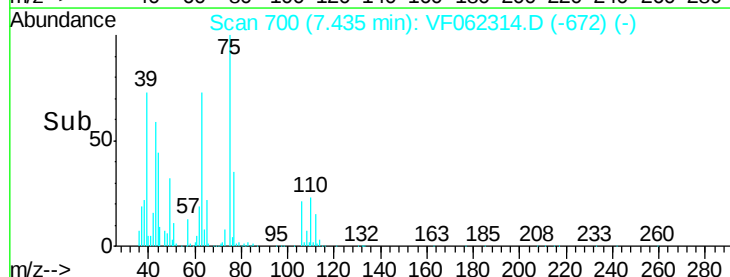
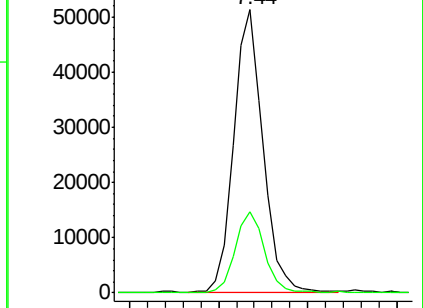
63 100

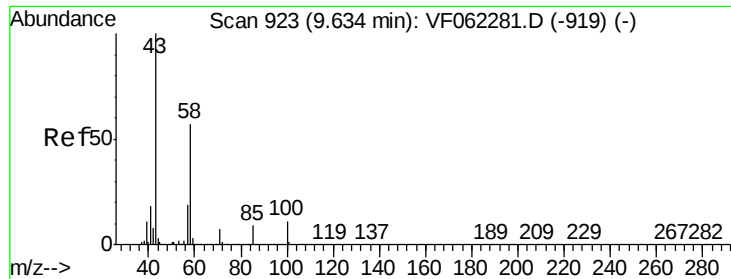
106 29.0 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

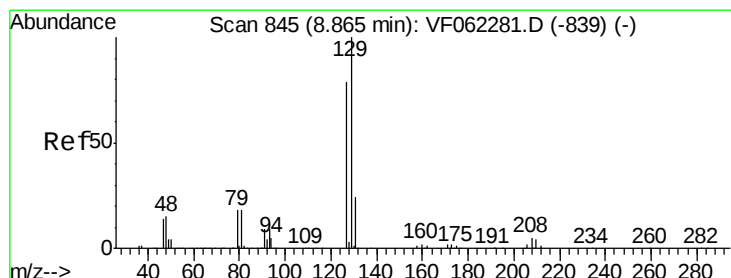
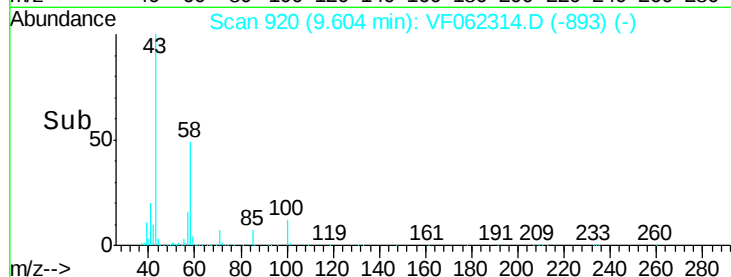
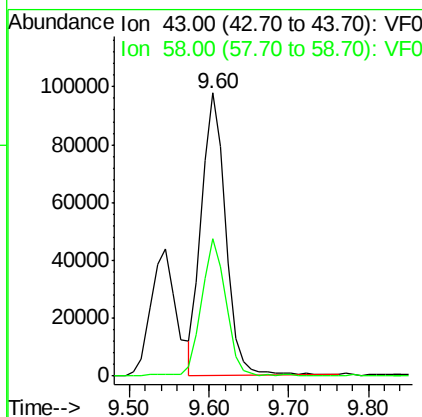
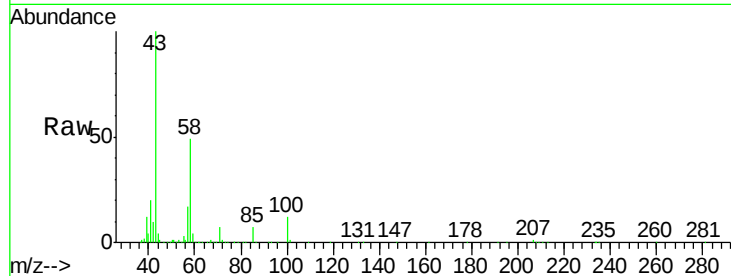




#59
 2-Hexanone
 Concen: 238.180 ug/l
 RT: 9.60 min Scan# 920
 Delta R.T. -0.03 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

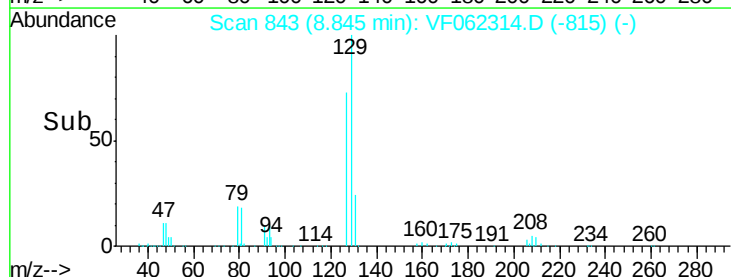
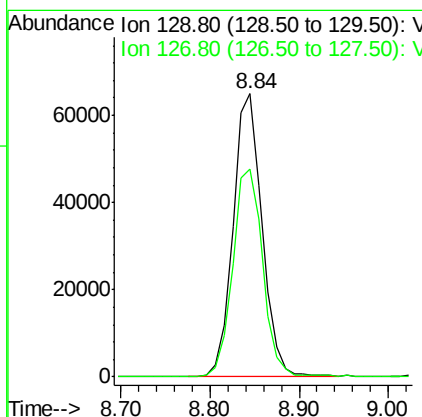
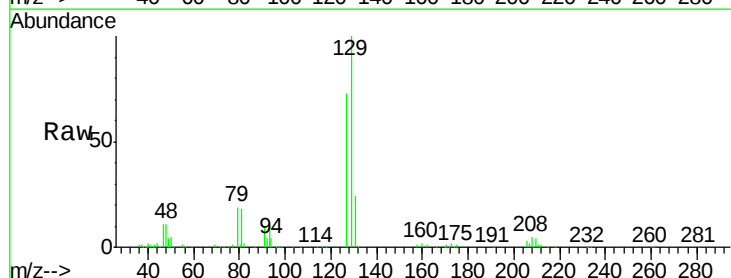
Instrument :
 MSVOA_F
 ClientSampled :

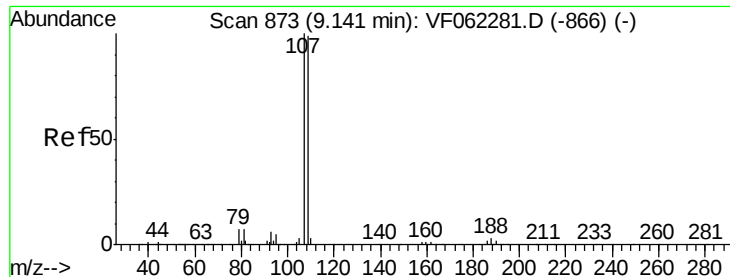
Tot Ion: 43 Resp: 205278
 Ion Ratio Lower Upper
 43 100
 58 49.4 24.9 74.7



#60
 Dibromochloromethane
 Concen: 54.192 ug/l
 RT: 8.84 min Scan# 843
 Delta R.T. -0.02 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

Tgt Ion:129 Resp: 147925
 Ion Ratio Lower Upper
 129 100
 127 76.1 38.8 116.4





#61

1,2-Dibromoethane

Concen: 51.345 ug/l

RT: 9.11 min Scan# 870

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

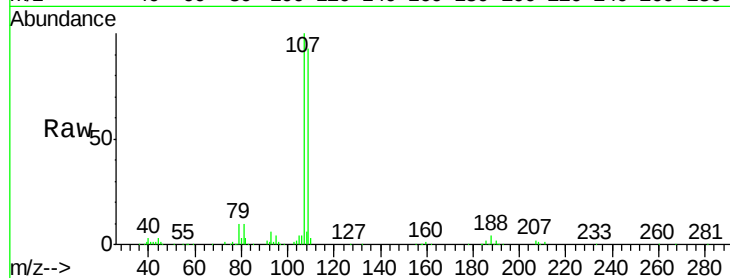
ClientSampleId :

Tot Ion:107 Resp: 99944

Ion Ratio Lower Upper

107 100

109 92.3 78.7 118.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.11

40000

30000

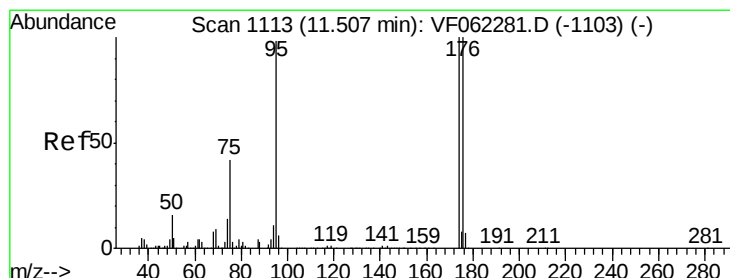
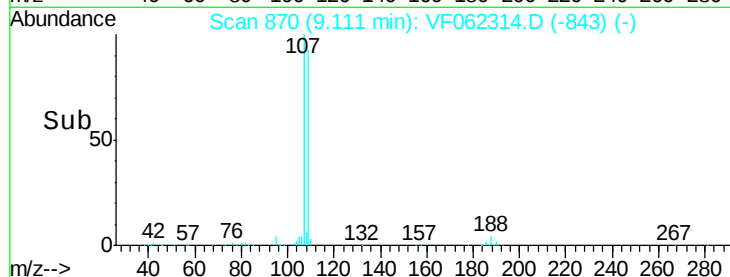
20000

10000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 50.561 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

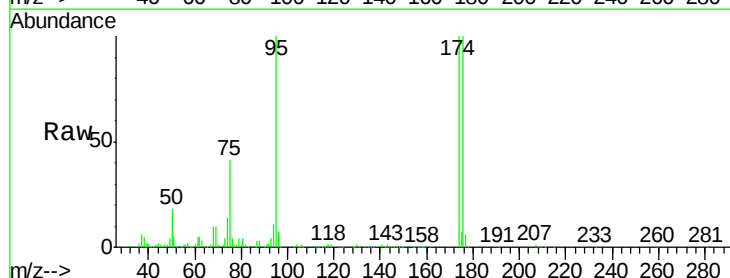
Tgt Ion: 95 Resp: 173772

Ion Ratio Lower Upper

95 100

174 94.2 0.0 185.2

176 93.4 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

11.49

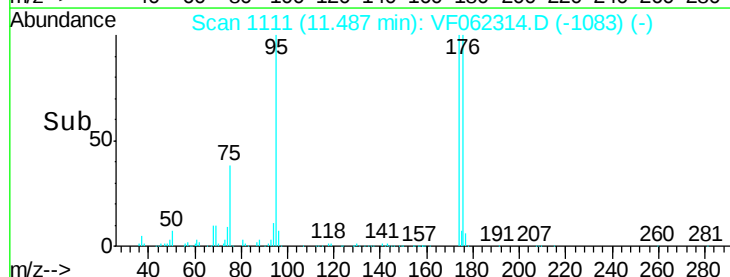
100000

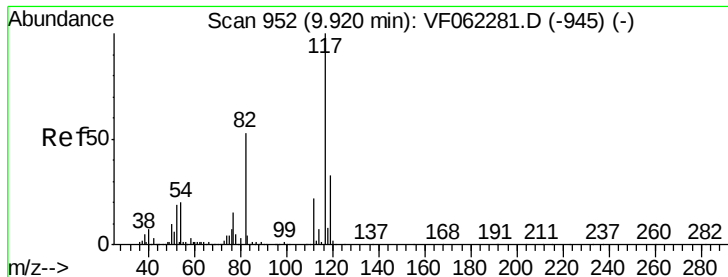
50000

0

Time-->

11.40 11.50

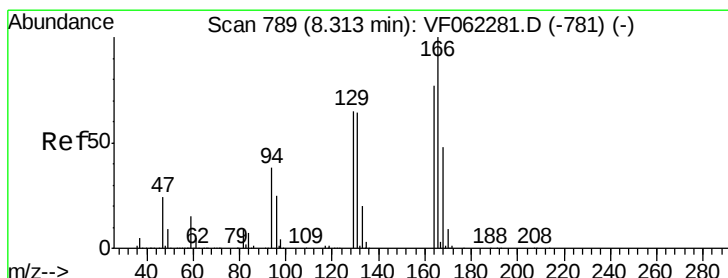
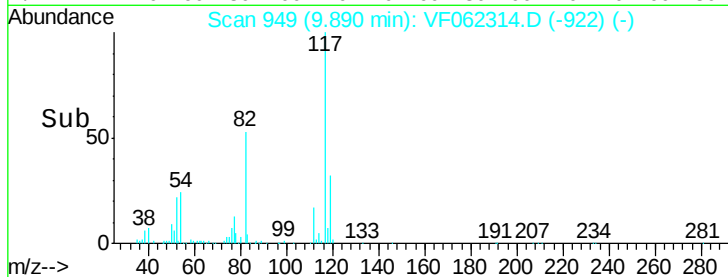
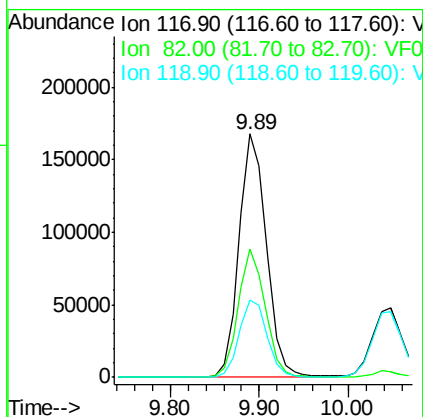
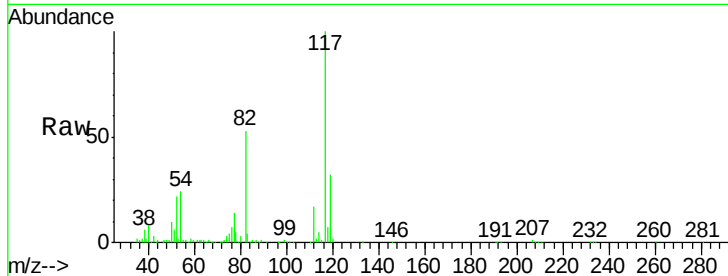




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 949
Delta R.T. -0.03 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

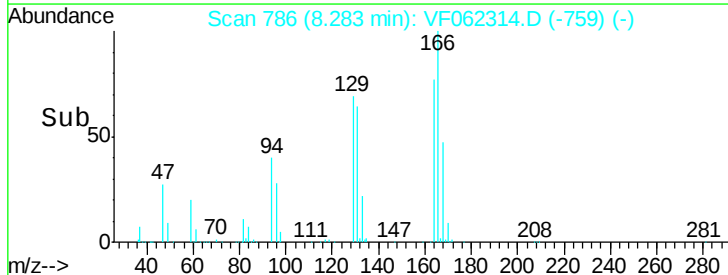
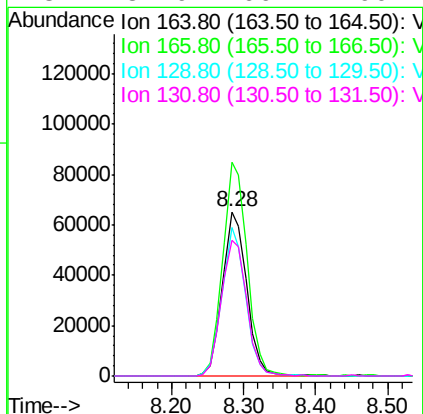
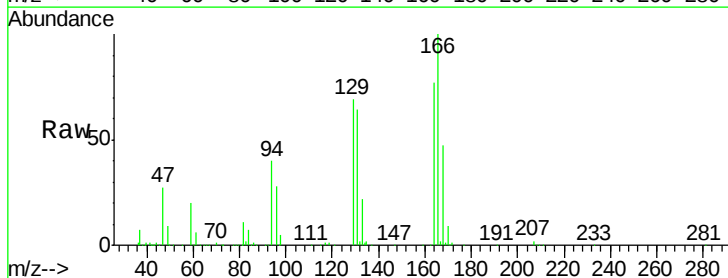
Instrument :
MSVOA_F
ClientSampled :

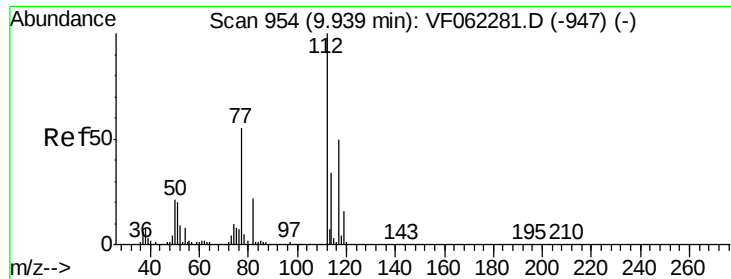
Tot Ion:117 Resp: 359688
Ion Ratio Lower Upper
117 100
82 52.9 42.6 64.0
119 31.6 26.1 39.1



#64
Tetrachloroethene
Concen: 50.658 ug/l
RT: 8.28 min Scan# 786
Delta R.T. -0.03 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Tgt Ion:164 Resp: 152407
Ion Ratio Lower Upper
164 100
166 130.2 103.5 155.3
129 90.3 67.6 101.4
131 82.9 66.1 99.1

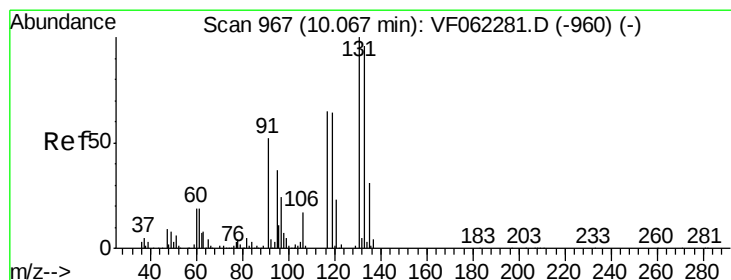
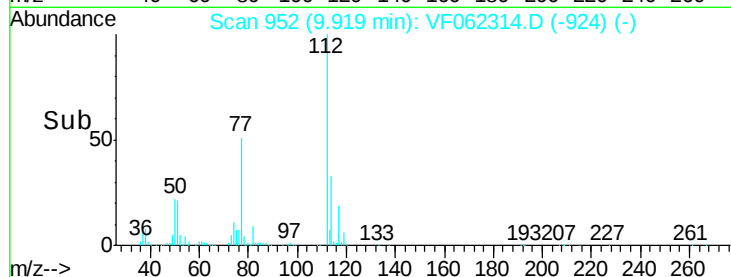
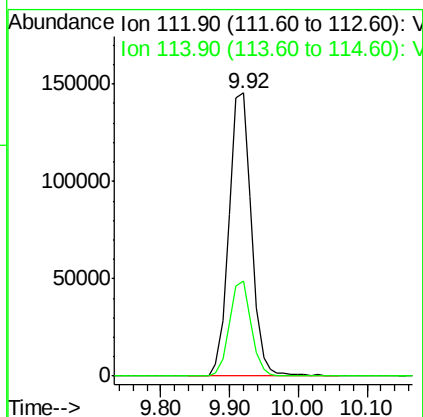
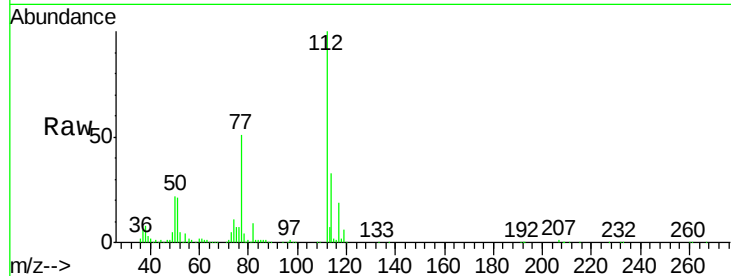




#65
Chlorobenzene
Concen: 49.986 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

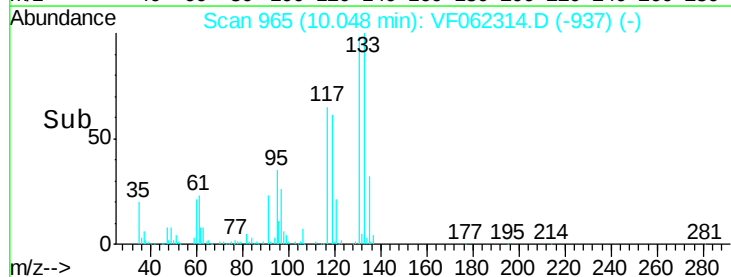
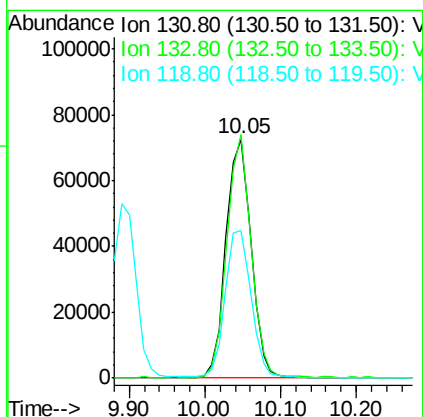
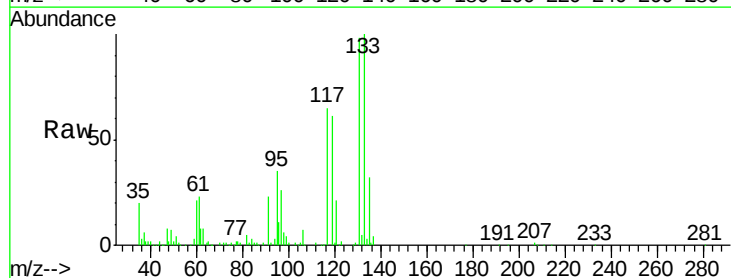
Instrument :
MSVOA_F
ClientSampleId :

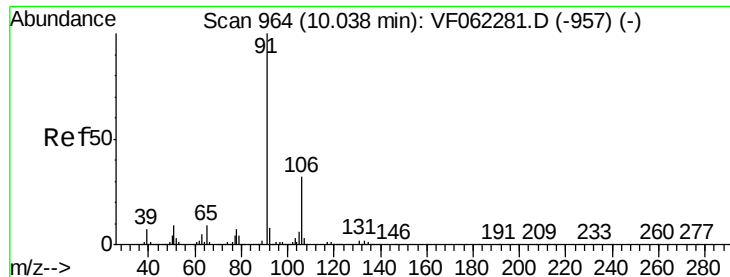
Tot Ion:112 Resp: 328554
Ion Ratio Lower Upper
112 100
114 33.4 27.0 40.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.187 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Tgt Ion:131 Resp: 167762
Ion Ratio Lower Upper
131 100
133 97.7 48.5 145.5
119 63.4 32.9 98.7





#67

Ethyl Benzene

Concen: 51.089 ug/l

RT: 10.01 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

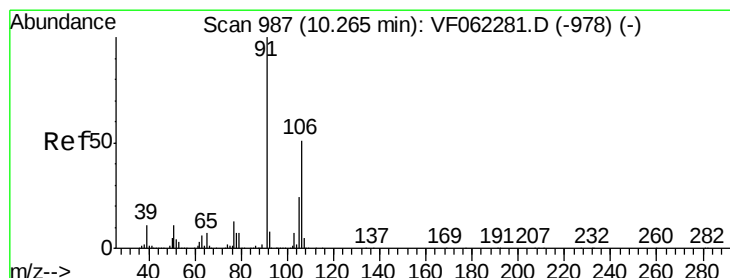
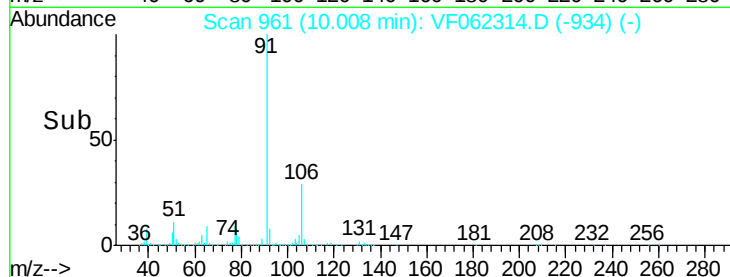
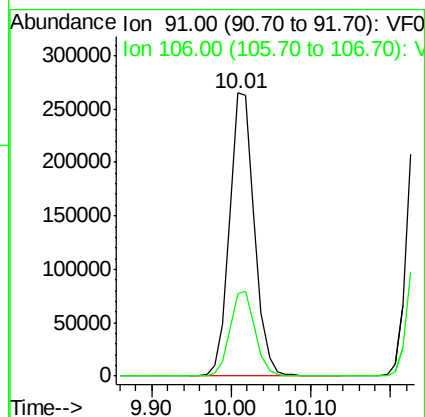
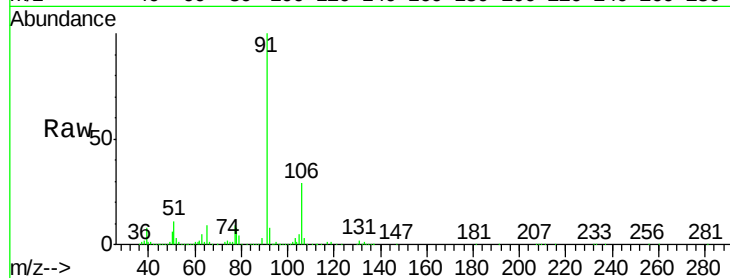
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 583793

Ion Ratio Lower Upper

91 100

106 29.2 25.6 38.4



#68

m/p-Xylenes

Concen: 98.059 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.02 min

Lab File: VF062314.D

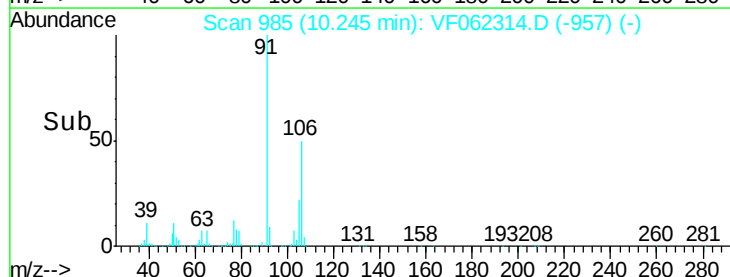
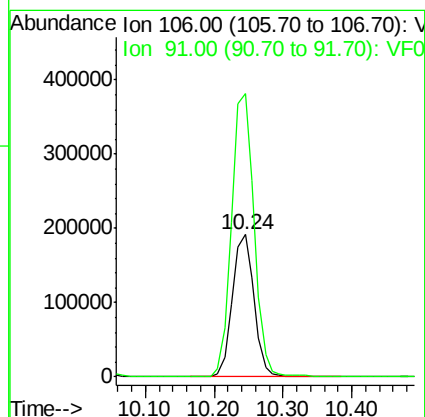
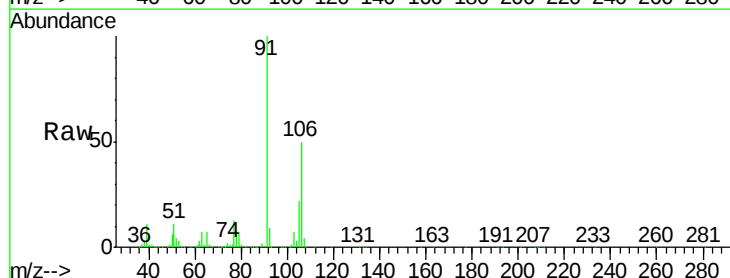
Acq: 29 Apr 2019 15:02

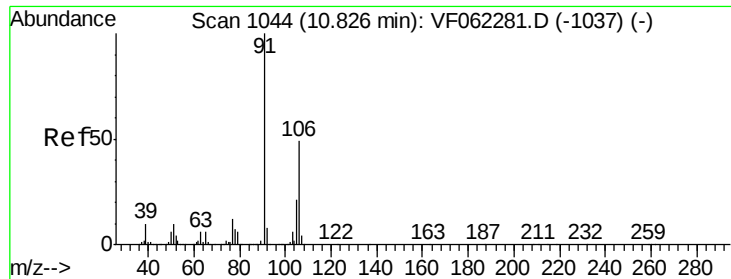
Tgt Ion: 106 Resp: 417177

Ion Ratio Lower Upper

106 100

91 205.9 158.3 237.5

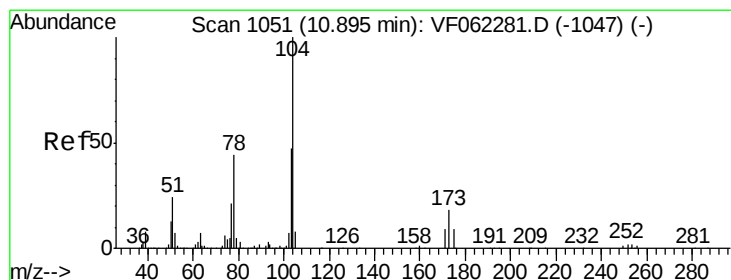
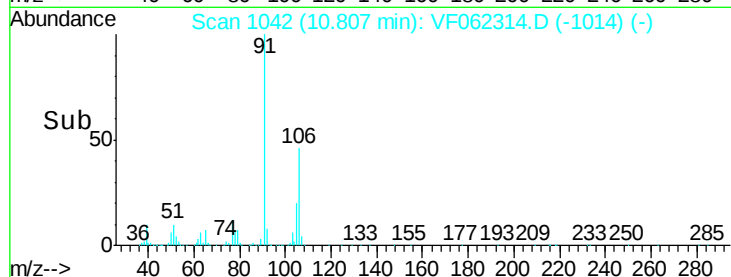
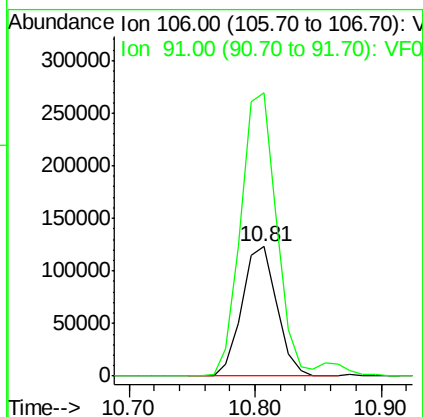
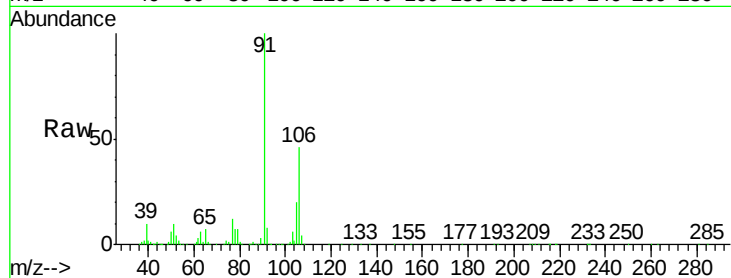




#69
o-Xylene
Concen: 50.195 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

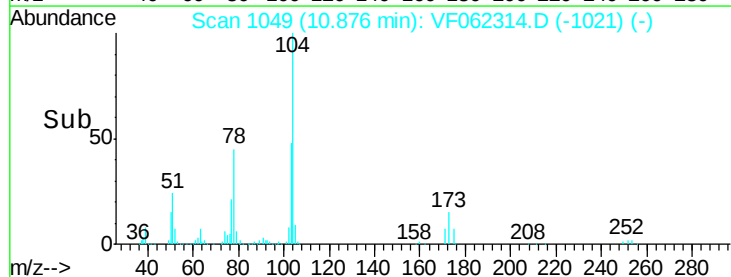
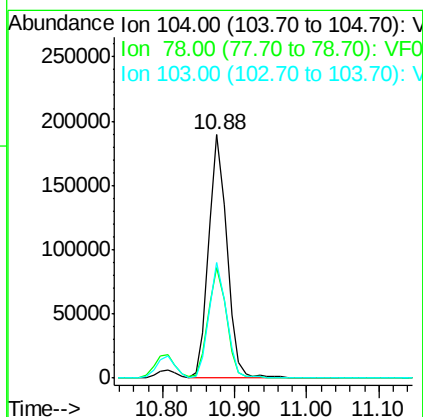
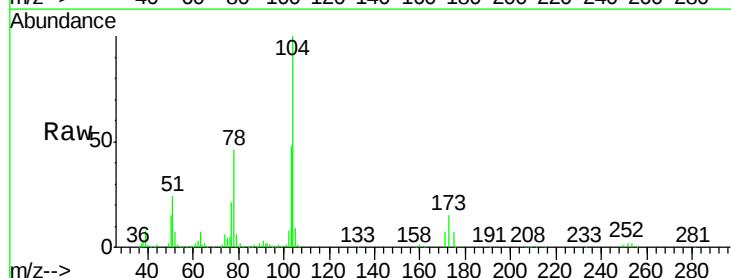
Instrument :
MSVOA_F
ClientSampled :

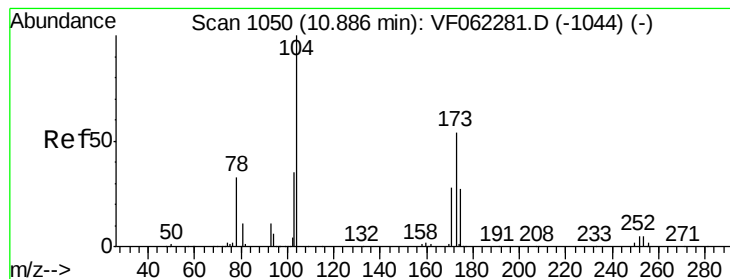
Tot Ion:106 Resp: 238583
Ion Ratio Lower Upper
106 100
91 222.4 110.0 330.0



#70
Styrene
Concen: 48.221 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Tgt Ion:104 Resp: 331328
Ion Ratio Lower Upper
104 100
78 45.8 35.9 53.9
103 46.0 37.5 56.3





#71

Bromoform

Concen: 51.470 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

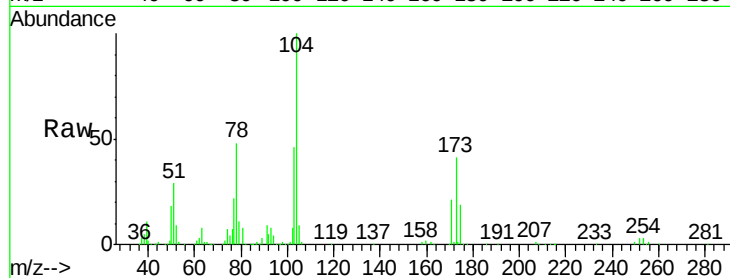
Tot Ion:173 Resp: 89697

Ion Ratio Lower Upper

173 100

175 49.9 25.3 75.9

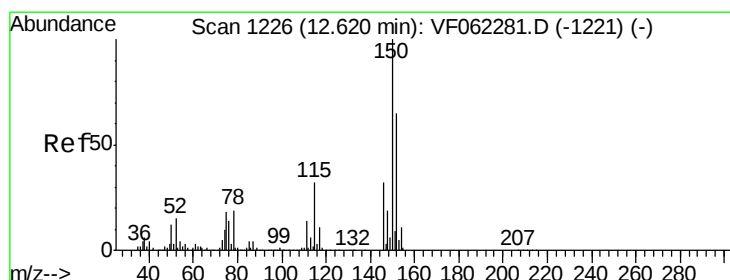
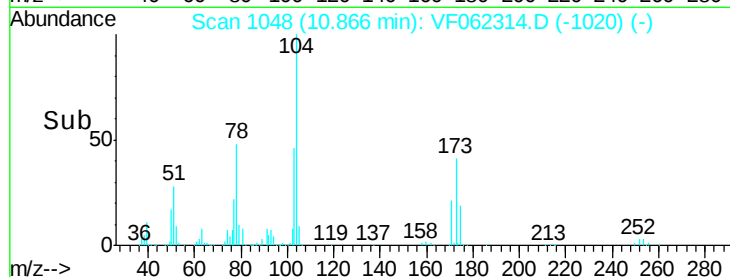
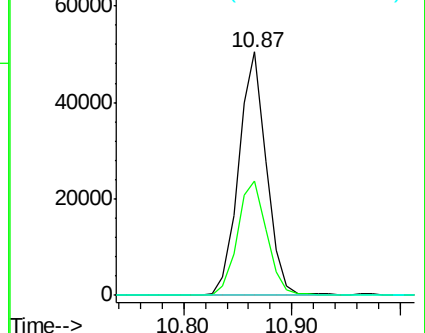
254 0.1 0.1 0.1



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# 1224

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

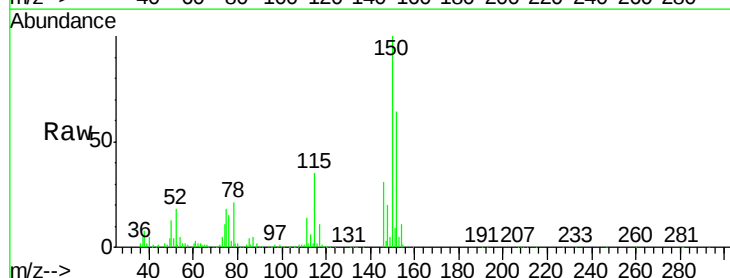
Tgt Ion:152 Resp: 206236

Ion Ratio Lower Upper

152 100

115 54.2 25.6 76.8

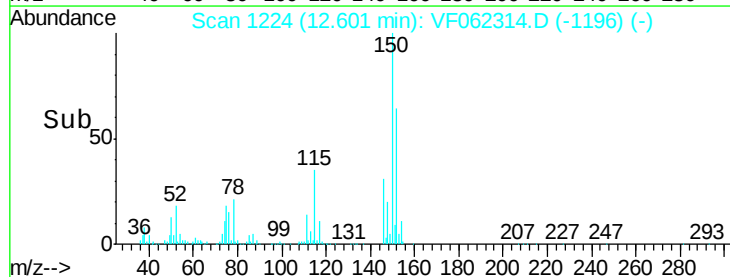
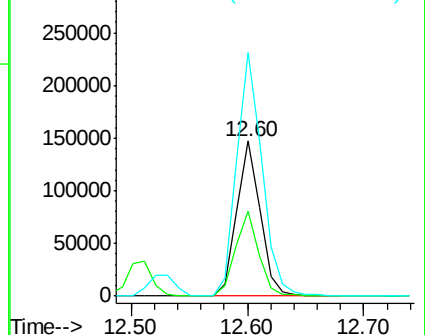
150 169.9 0.0 330.6

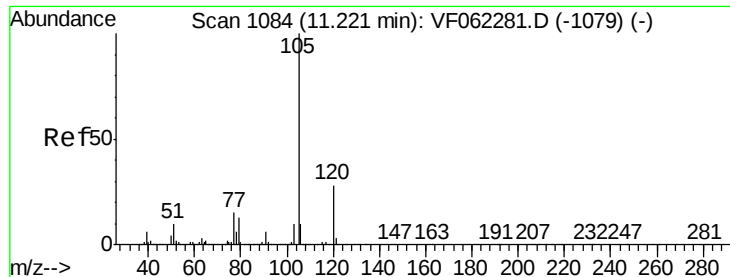


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.723 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

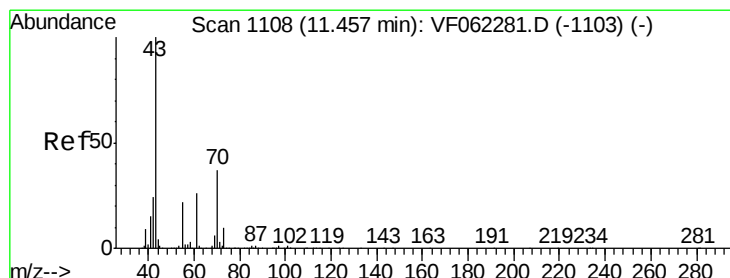
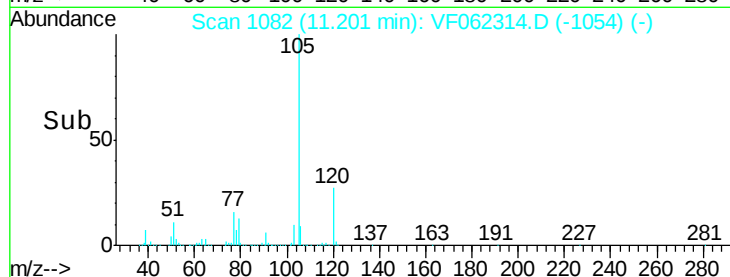
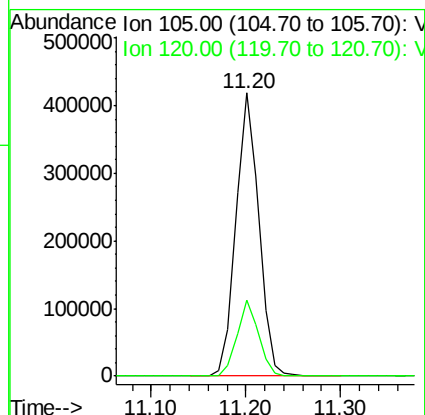
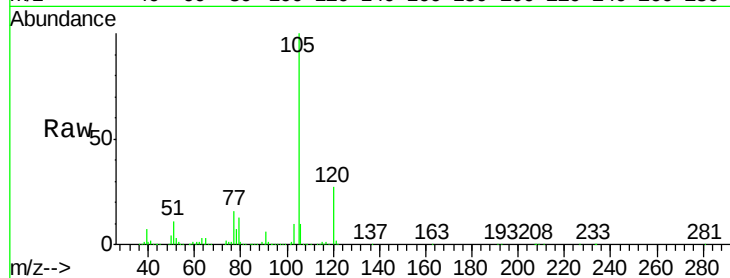
ClientSampleId :

Tot Ion:105 Resp: 702592

Ion Ratio Lower Upper

105 100

120 25.6 12.4 37.2



#74

N-ethyl acetate

Concen: 39.442 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Tgt Ion: 43 Resp: 128412

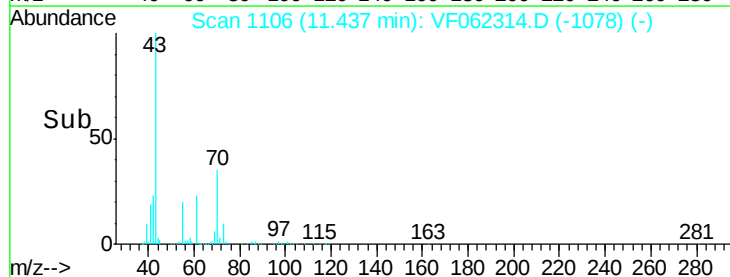
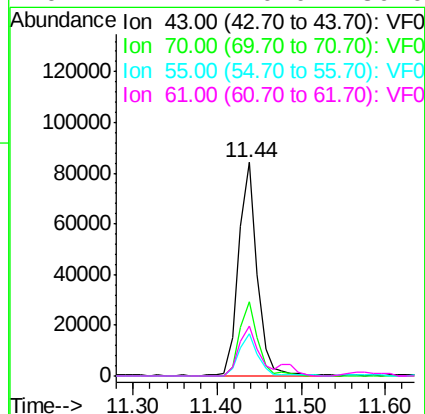
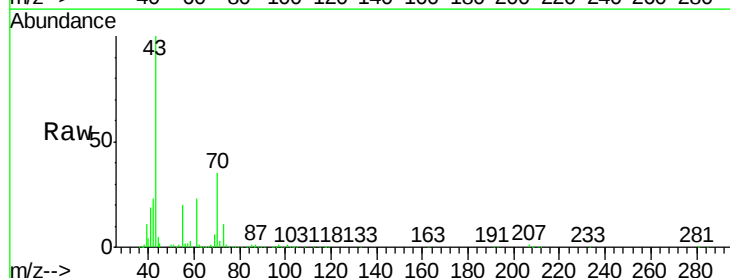
Ion Ratio Lower Upper

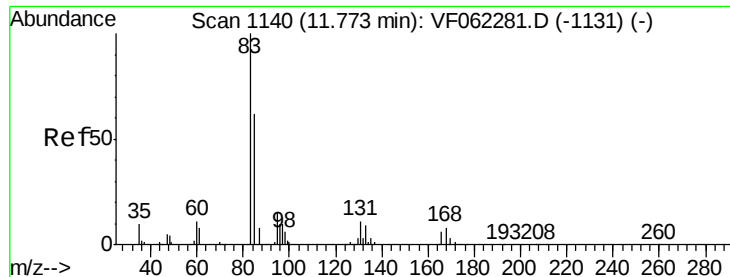
43 100

70 35.4 27.8 41.8

55 21.2 16.6 24.8

61 24.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.774 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

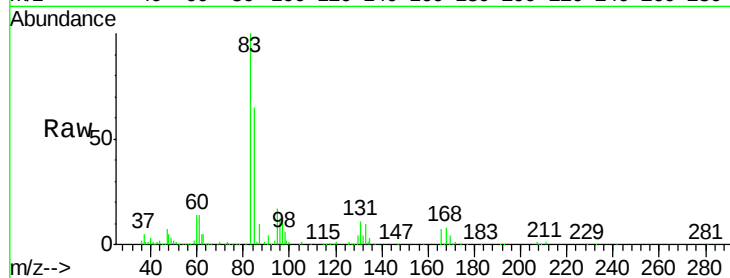
Tot Ion: 83 Resp: 109495

Ion Ratio Lower Upper

83 100

131 11.8 5.5 16.5

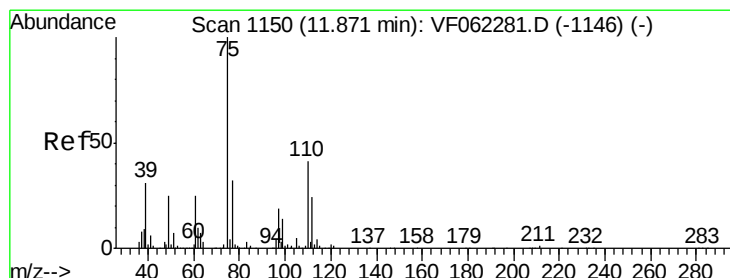
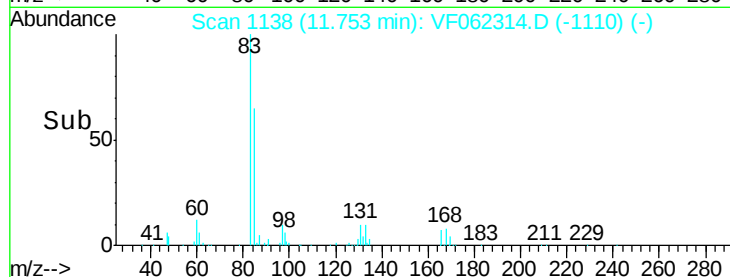
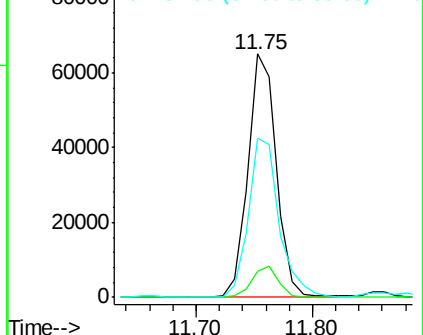
85 71.3 34.5 103.6



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: 49.491 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VF062314.D

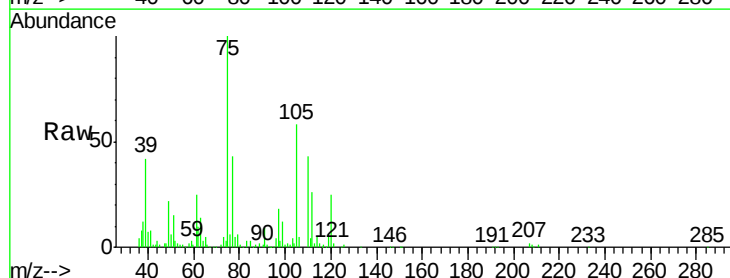
Acq: 29 Apr 2019 15:02

Tgt Ion: 75 Resp: 78827

Ion Ratio Lower Upper

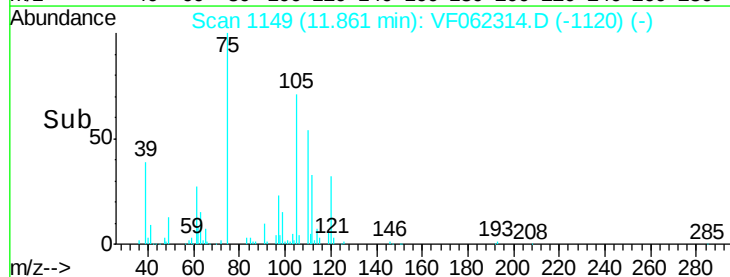
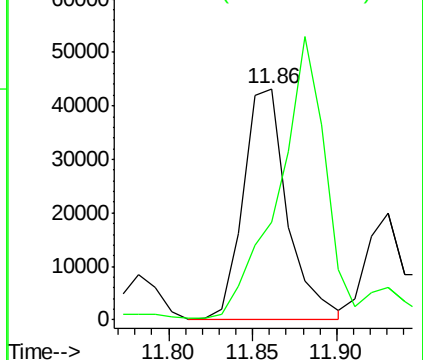
75 100

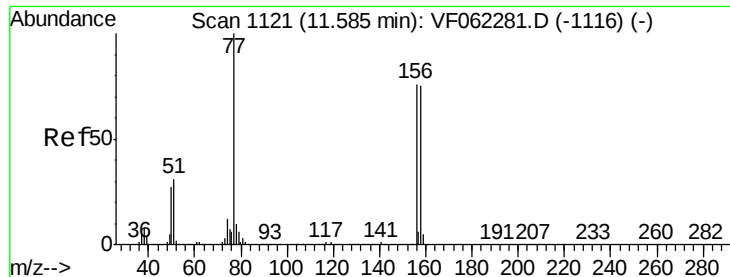
77 141.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.925 ug/l

RT: 11.57 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

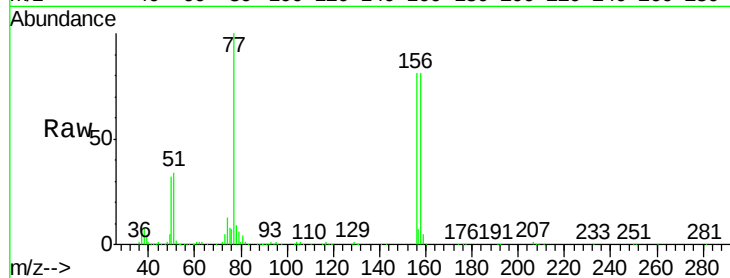
Tot Ion:156 Resp: 172824

Ion Ratio Lower Upper

156 100

77 129.9 67.3 201.9

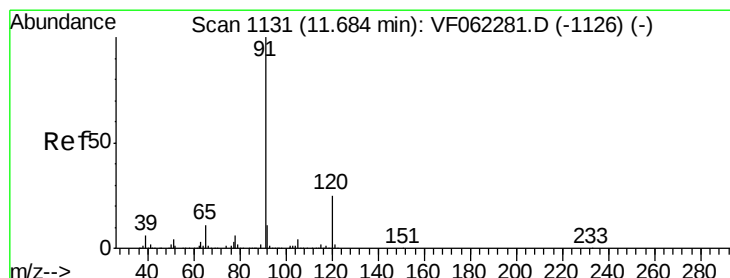
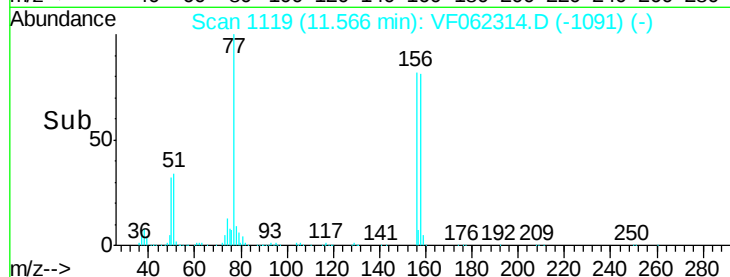
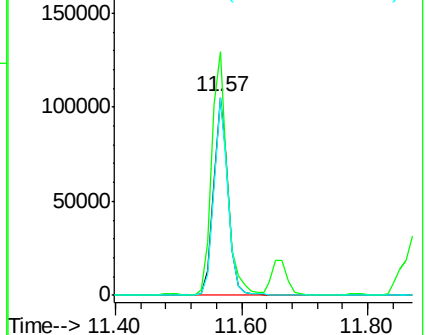
158 97.3 49.5 148.5



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: 48.976 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF062314.D

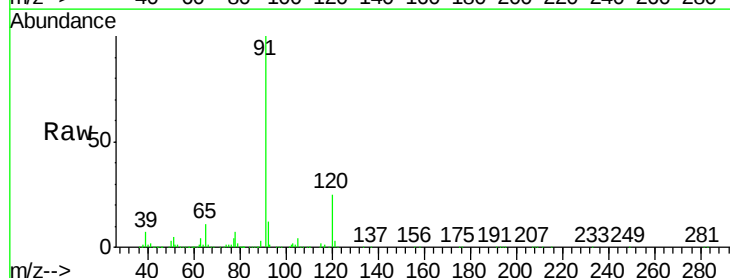
Acq: 29 Apr 2019 15:02

Tgt Ion: 91 Resp: 728179

Ion Ratio Lower Upper

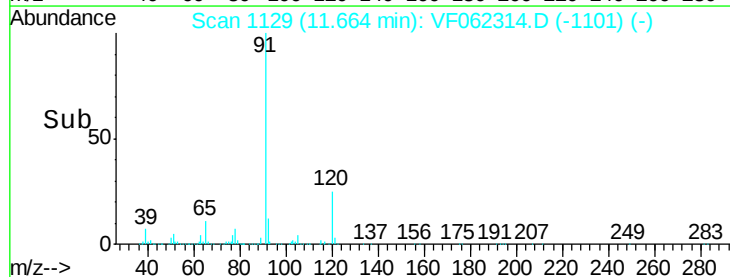
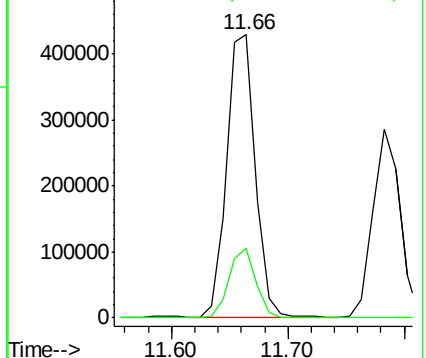
91 100

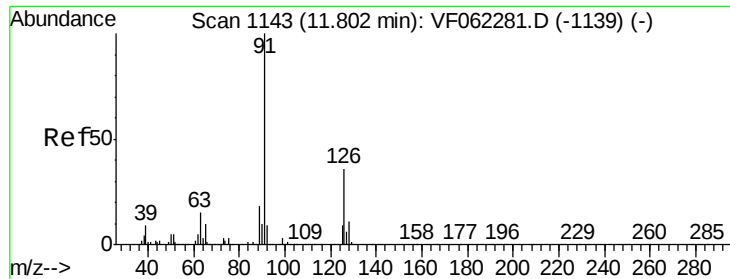
120 23.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.589 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

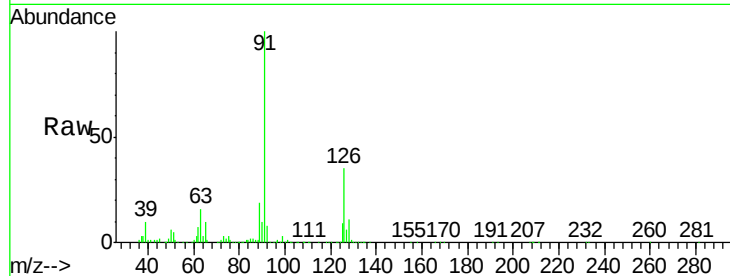
ClientSampleId :

Tot Ion: 91 Resp: 462012

Ion Ratio Lower Upper

91 100

126 35.0 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

11.78

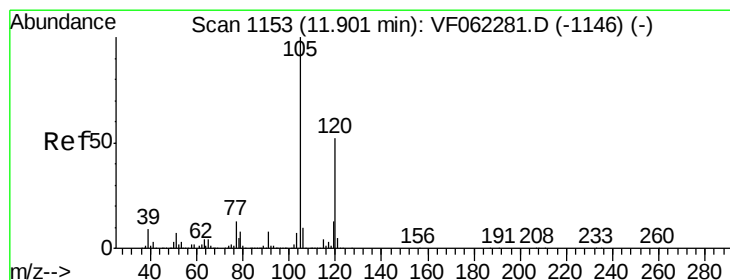
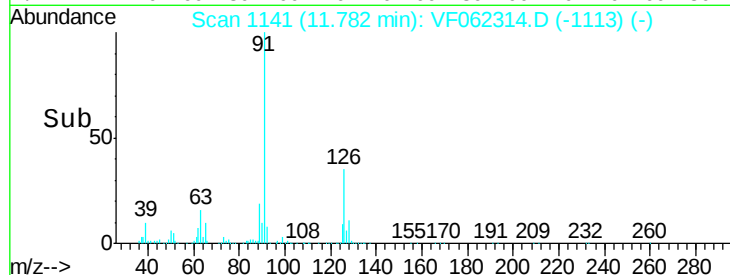
300000

200000

100000

0

Time--> 11.70 11.75 11.80 11.85



#80

1,3,5-Trimethylbenzene

Concen: 50.839 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VF062314.D

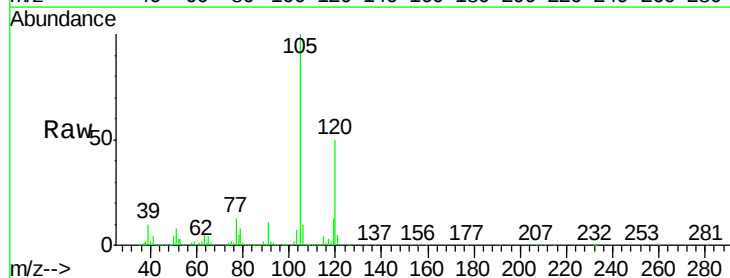
Acq: 29 Apr 2019 15:02

Tgt Ion:105 Resp: 606447

Ion Ratio Lower Upper

105 100

120 49.7 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.88

400000

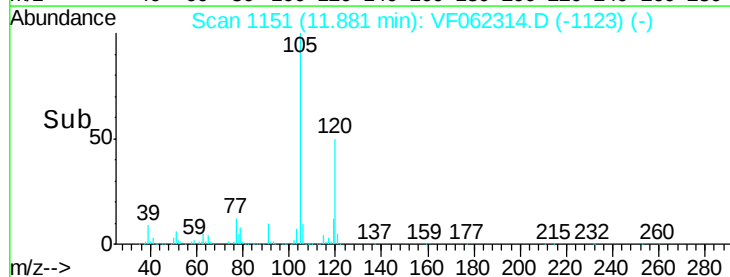
300000

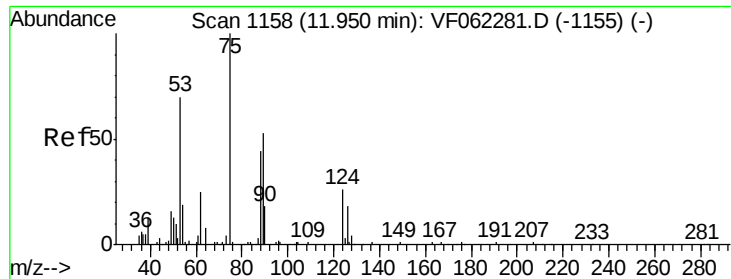
200000

100000

0

Time--> 11.80 11.90 12.00





#81

trans-1,4-Dichloro-2-butene

Concen: 63.054 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

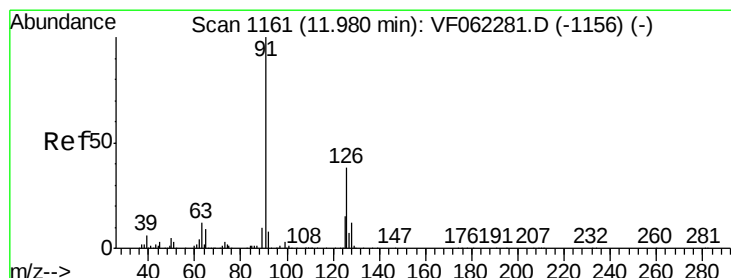
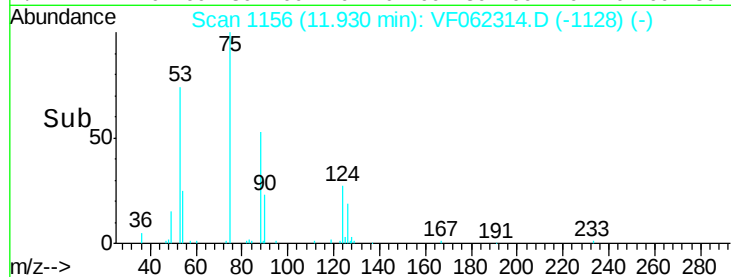
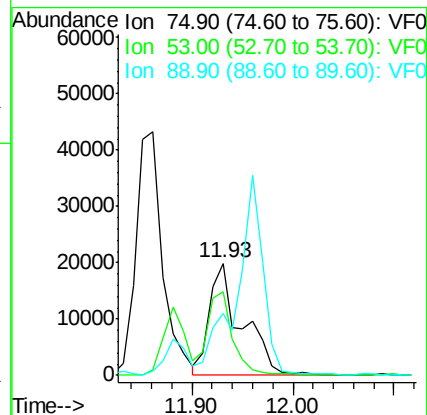
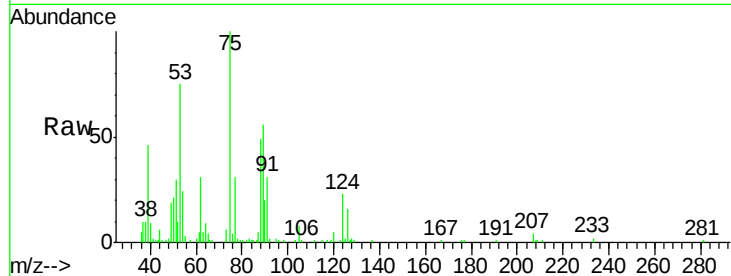
Tot Ion: 75 Resp: 44892

Ion Ratio Lower Upper

75 100

53 59.3 67.1 100.7#

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 50.209 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.02 min

Lab File: VF062314.D

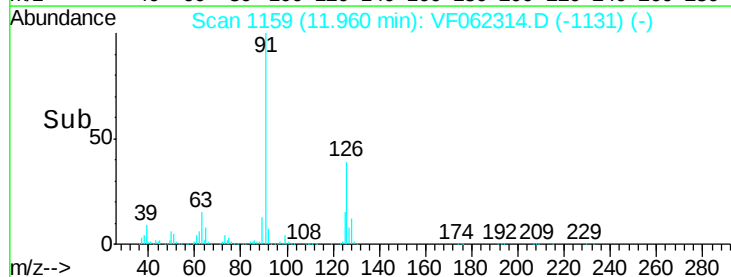
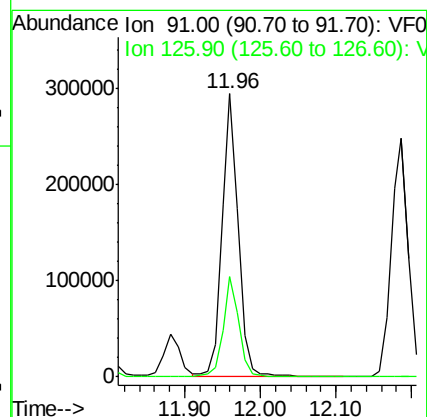
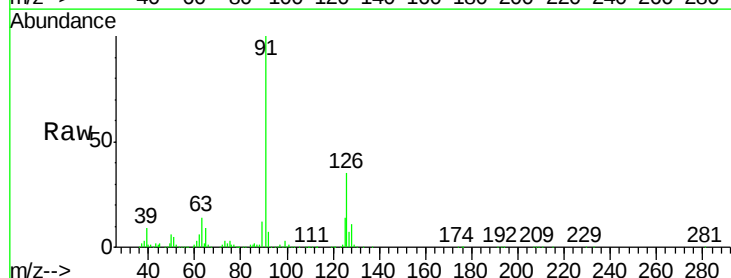
Acq: 29 Apr 2019 15:02

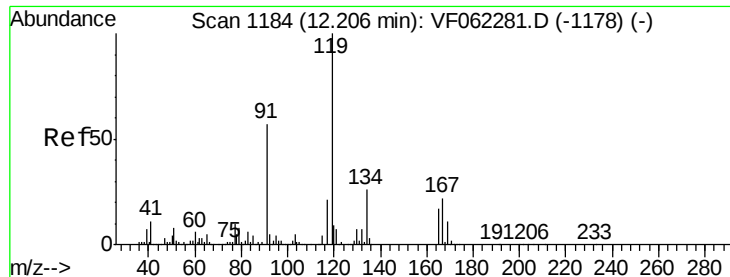
Tgt Ion: 91 Resp: 444928

Ion Ratio Lower Upper

91 100

126 34.6 17.3 52.0

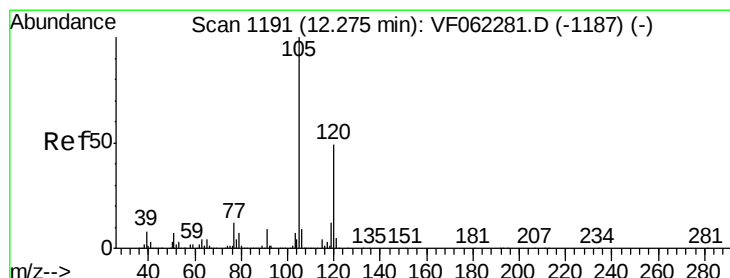
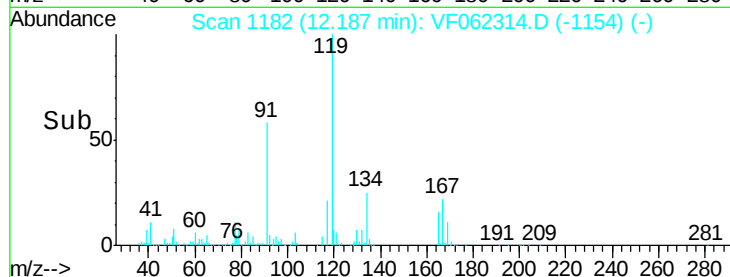
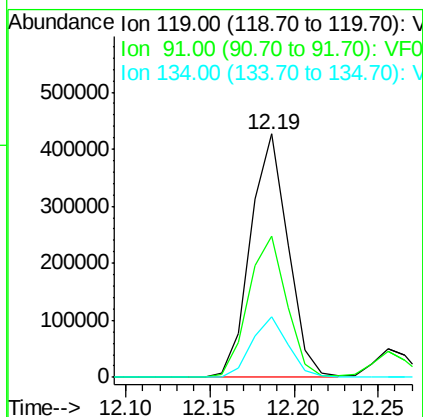
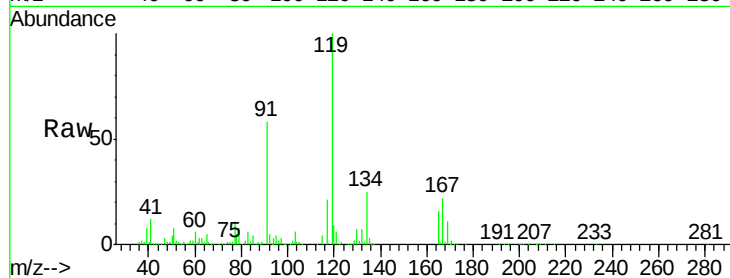




#83
tert-Butylbenzene
Concen: 53.797 ug/l
RT: 12.19 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

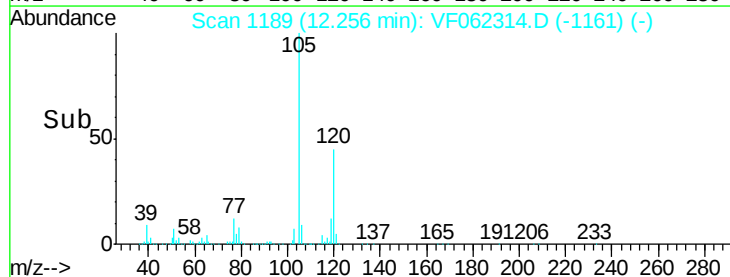
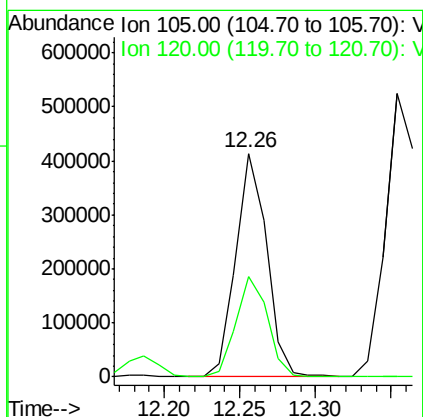
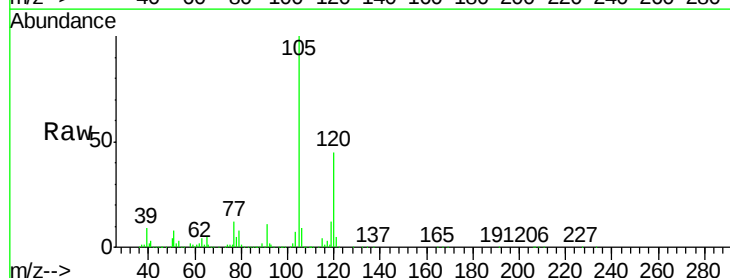
Instrument :
MSVOA_F
ClientSampleId :

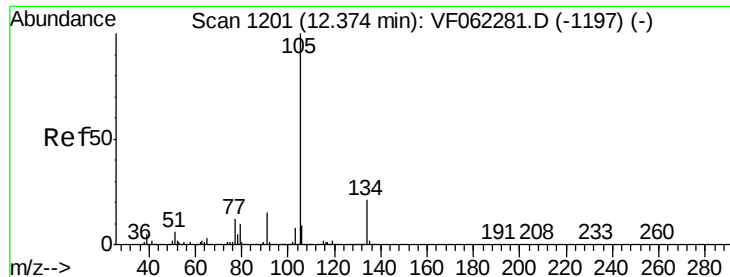
Tot Ion:119 Resp: 658582
Ion Ratio Lower Upper
119 100
91 59.4 29.4 88.2
134 24.2 11.9 35.7



#84
1,2,4-Trimethylbenzene
Concen: 50.986 ug/l
RT: 12.26 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Tgt Ion:105 Resp: 589046
Ion Ratio Lower Upper
105 100
120 46.1 24.1 72.2





#85

sec-Butylbenzene

Concen: 52.311 ug/l

RT: 12.35 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

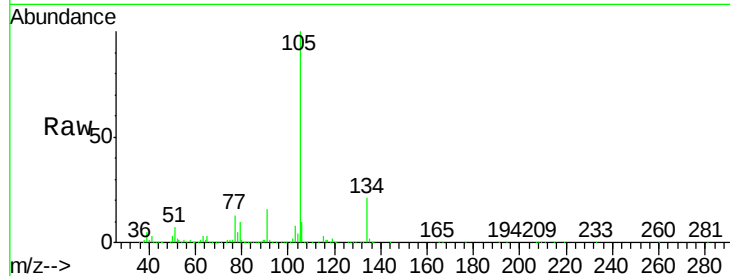
ClientSampleId :

Tot Ion:105 Resp: 797618

Ion Ratio Lower Upper

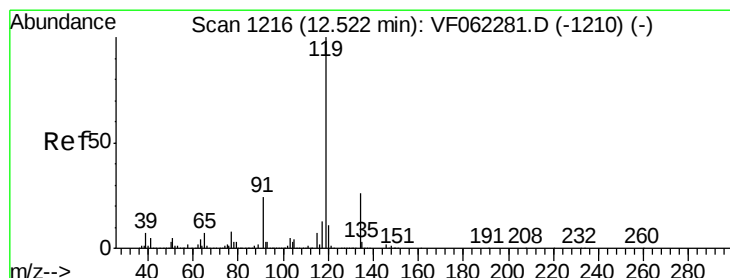
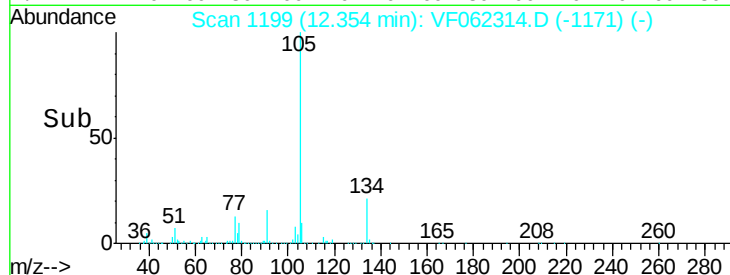
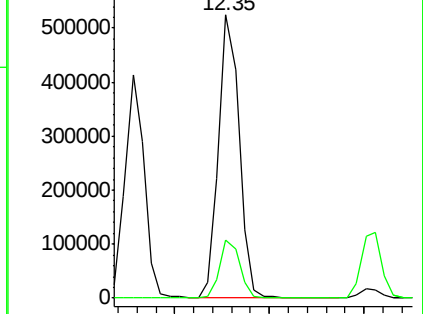
105 100

134 20.2 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.192 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

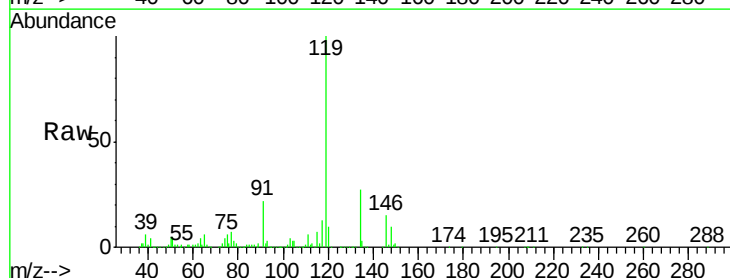
Tgt Ion:119 Resp: 727145

Ion Ratio Lower Upper

119 100

134 25.6 13.2 39.5

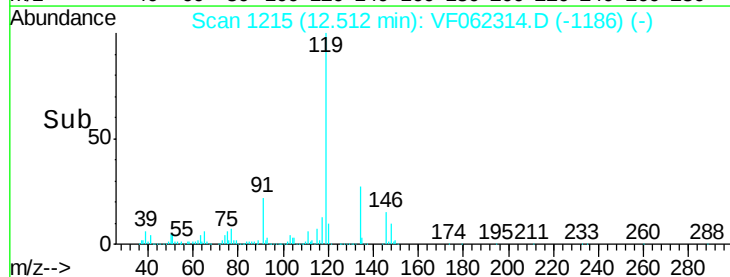
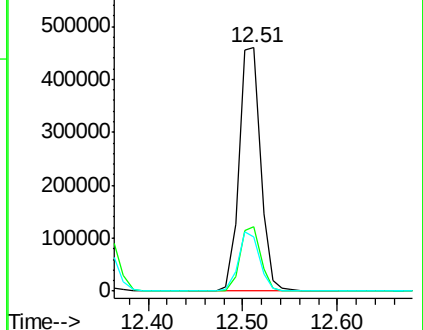
91 23.8 11.6 34.7

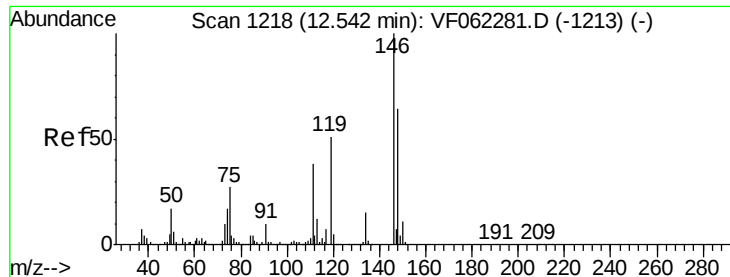


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 48.872 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

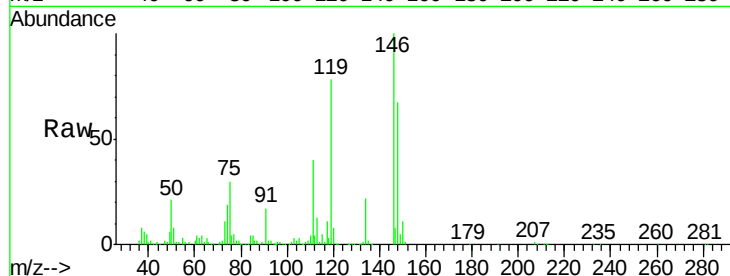
Tot Ion:146 Resp: 305423

Ion Ratio Lower Upper

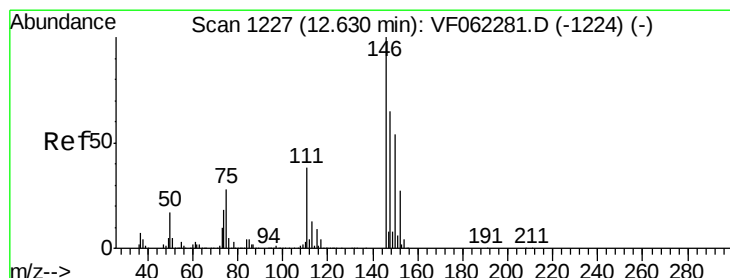
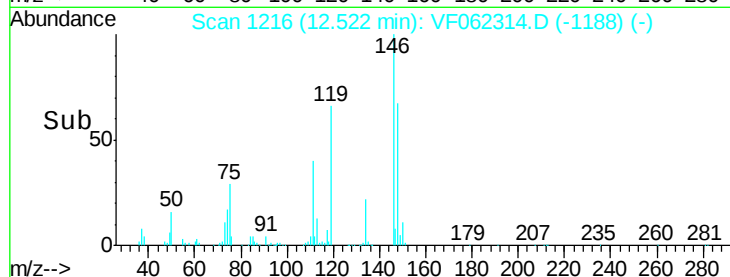
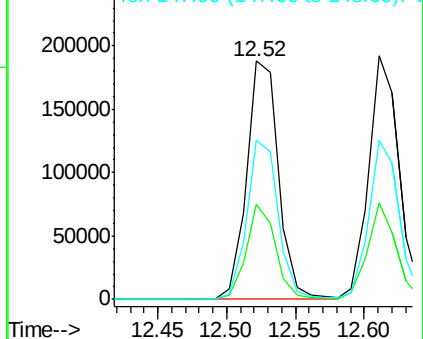
146 100

111 37.0 18.6 55.8

148 66.1 32.8 98.4



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



#88

1,4-Dichlorobenzene

Concen: 50.038 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

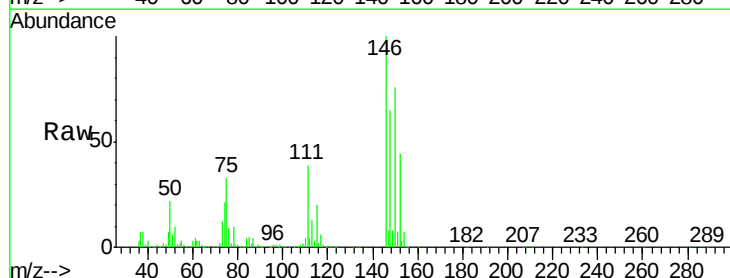
Tgt Ion:146 Resp: 296496

Ion Ratio Lower Upper

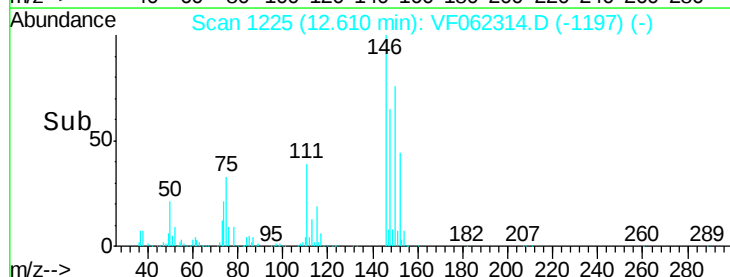
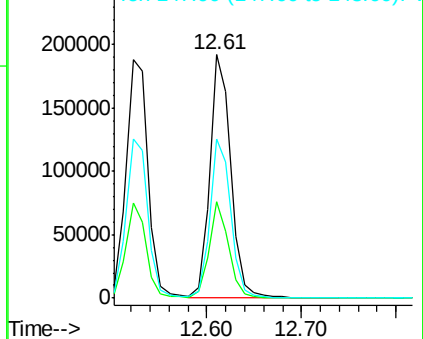
146 100

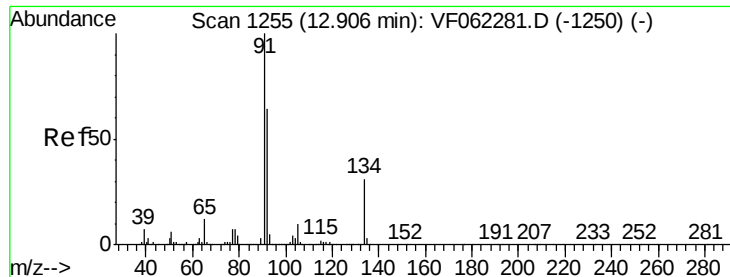
111 37.3 18.6 56.0

148 64.9 32.5 97.5



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





#89

n-Butylbenzene

Concen: 49.804 ug/l

RT: 12.89 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VF062314.D

Acq: 29 Apr 2019 15:02

Instrument :

MSVOA_F

ClientSampled :

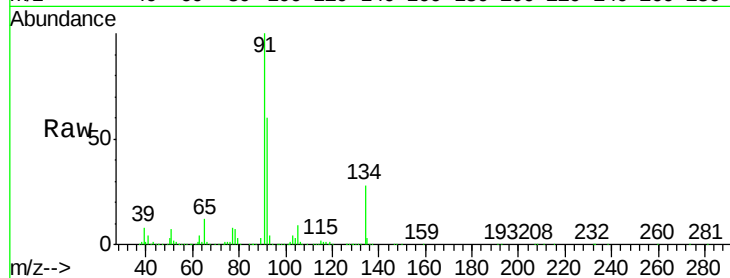
Tot Ion: 91 Resp: 618622

Ion Ratio Lower Upper

91 100

92 59.6 31.1 93.3

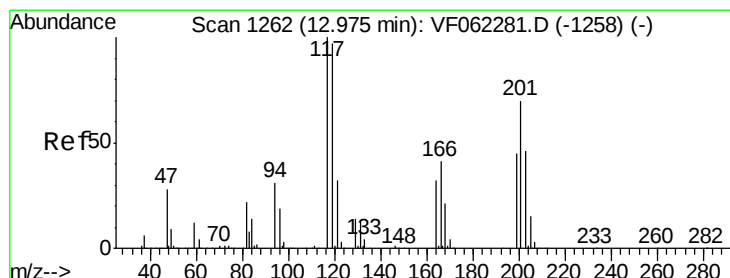
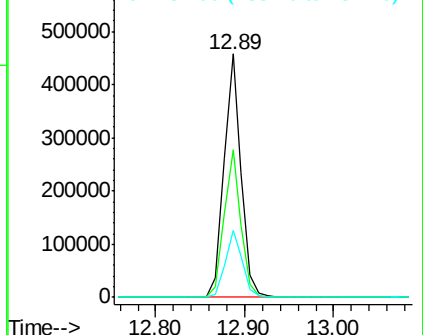
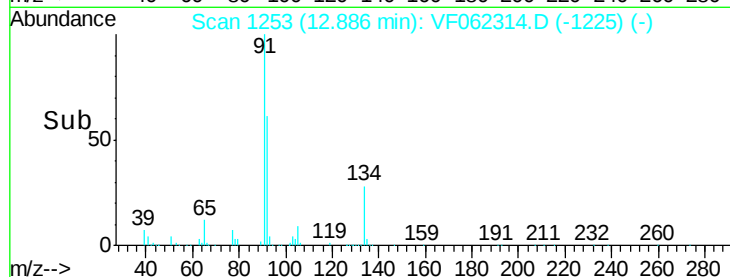
134 27.7 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 53.839 ug/l

RT: 12.97 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VF062314.D

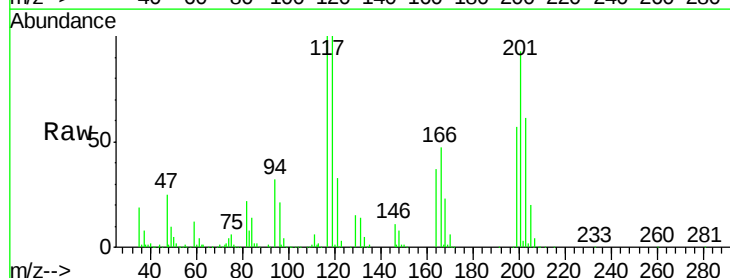
Acq: 29 Apr 2019 15:02

Tgt Ion: 117 Resp: 184489

Ion Ratio Lower Upper

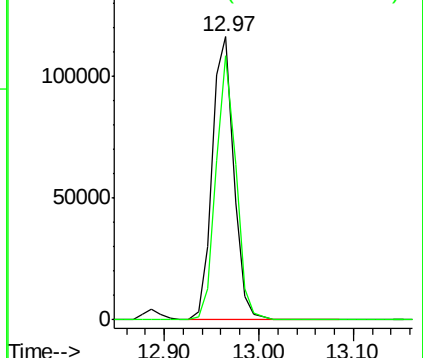
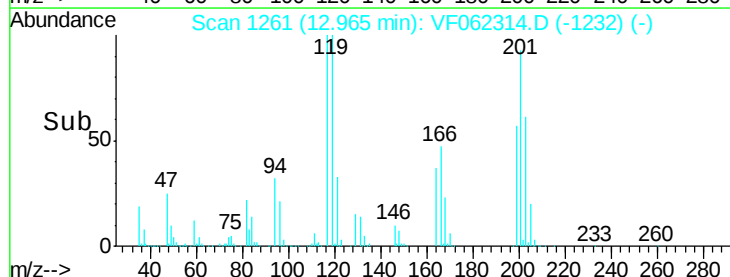
117 100

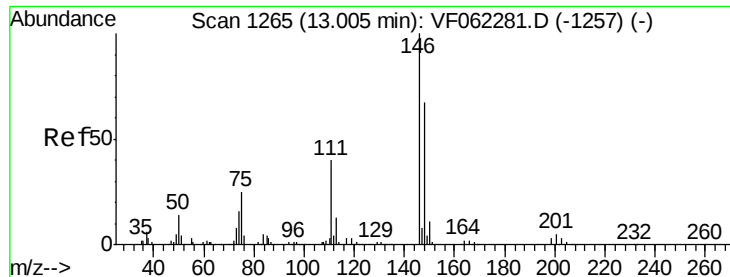
201 86.3 42.9 128.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

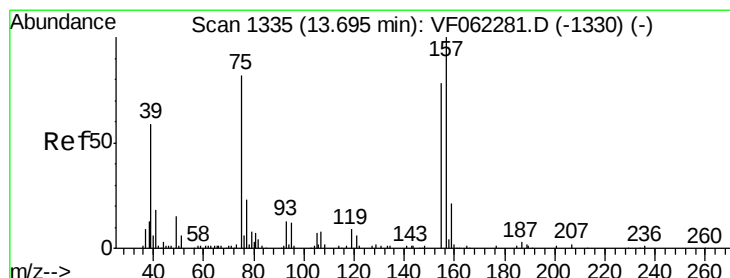
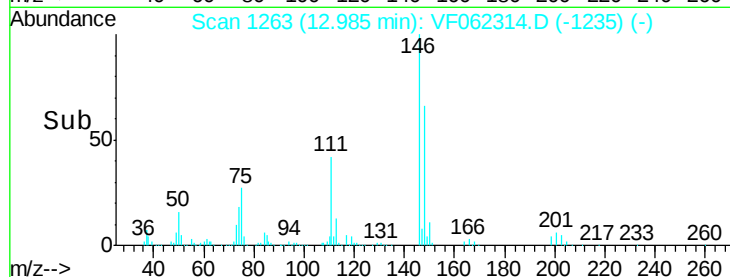
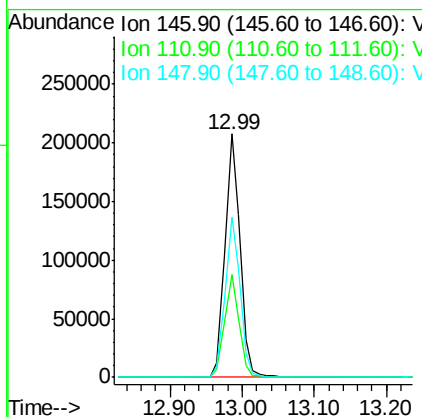
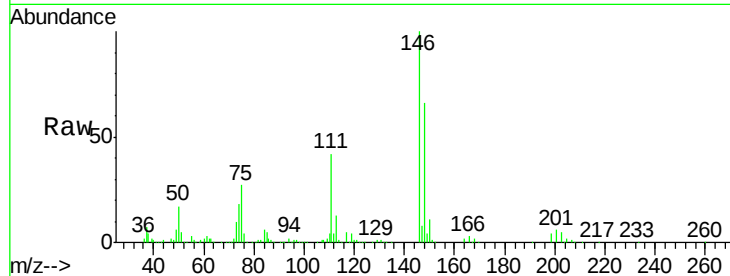




#91
 1,2-Dichlorobenzene
 Concen: 49.843 ug/l
 RT: 12.99 min Scan# 1263
 Delta R.T. -0.02 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

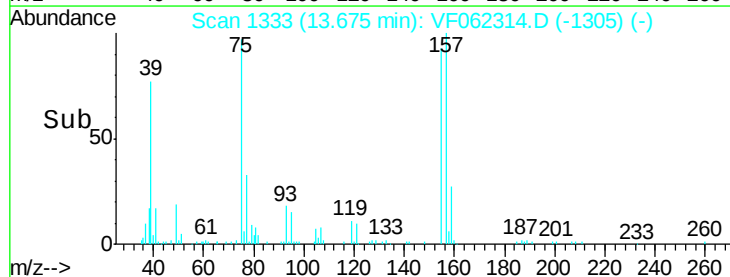
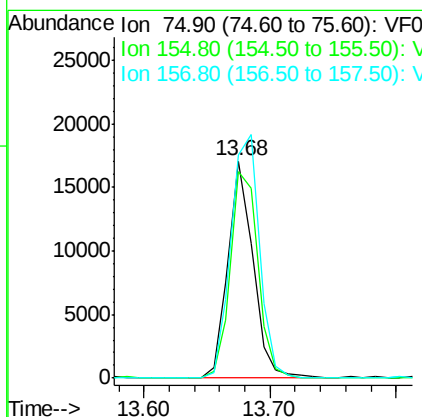
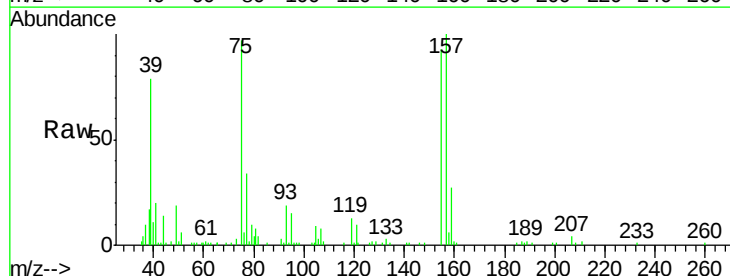
Instrument :
 MSVOA_F
 ClientSampleId :

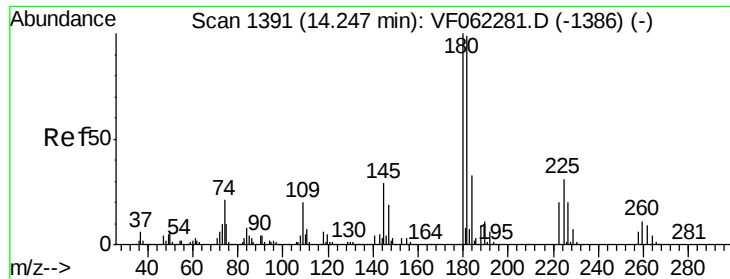
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	59.9
148	66.0	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.828 ug/l
 RT: 13.68 min Scan# 1333
 Delta R.T. -0.02 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.1	51.7	155.2
157	126.6	64.5	193.5

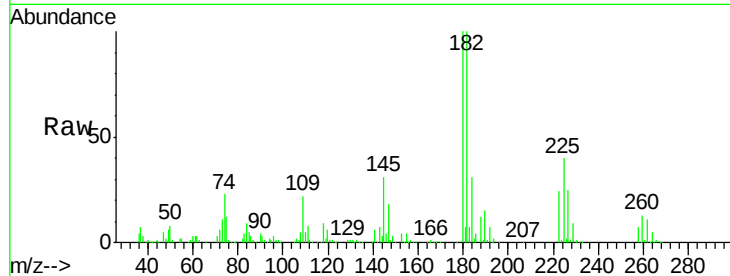




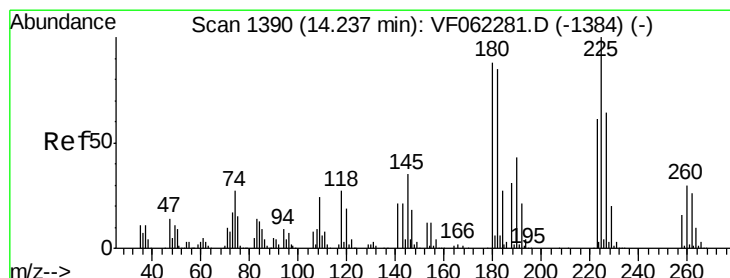
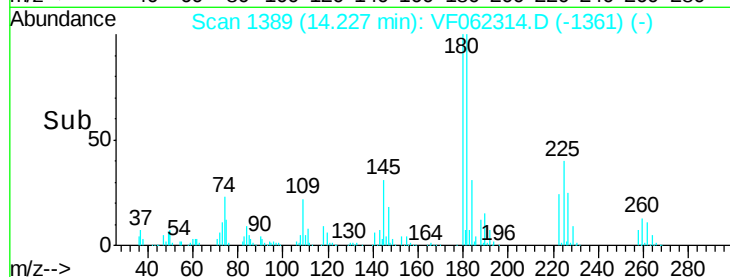
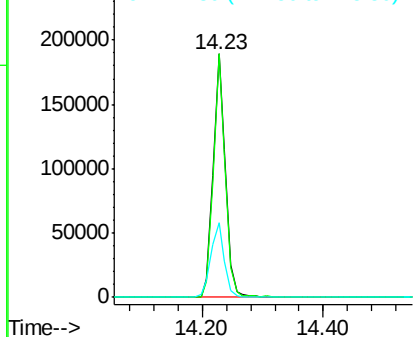
#93
 1,2,4-Trichlorobenzene
 Concen: 50.871 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 268094
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.5 145.6
 145 33.4 16.7 50.1

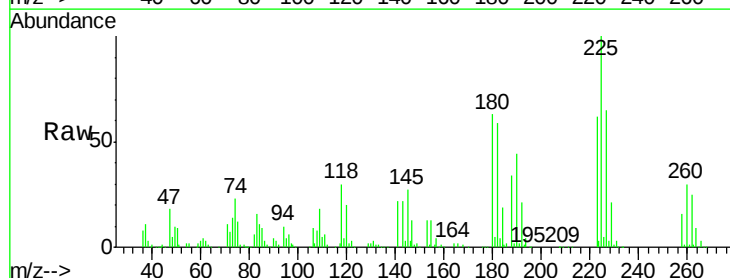


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

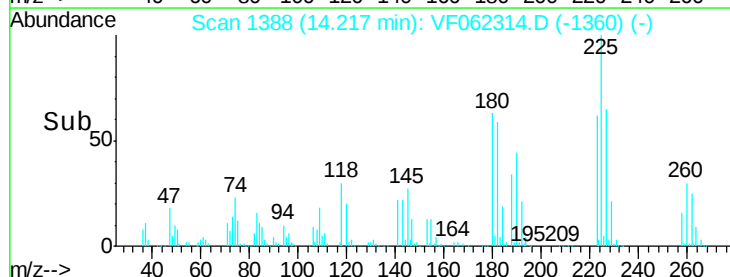
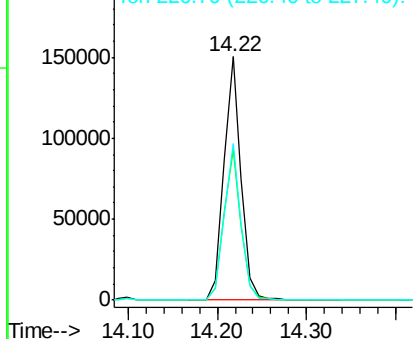


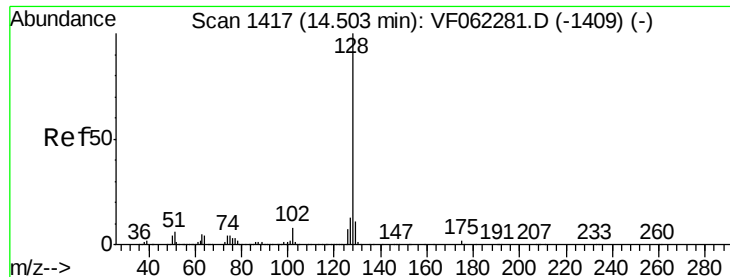
#94
 Hexachlorobutadiene
 Concen: 53.942 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.02 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

Tgt Ion:225 Resp: 204447
 Ion Ratio Lower Upper
 225 100
 223 62.1 30.8 92.3
 227 63.1 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

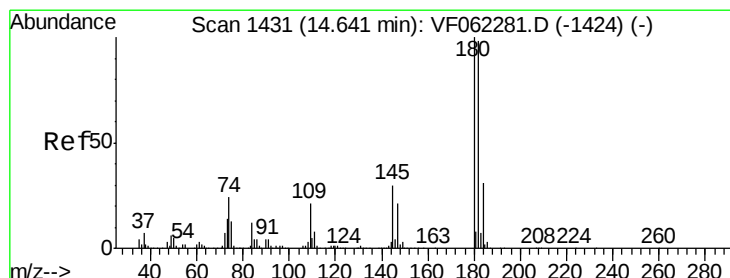
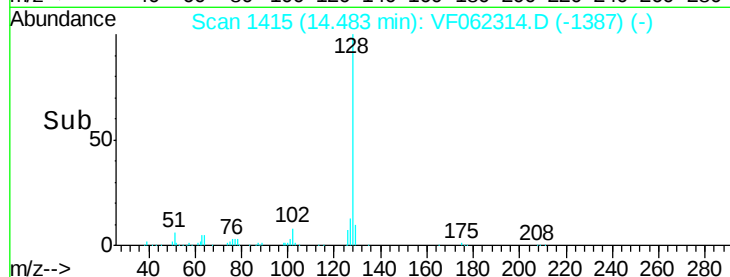
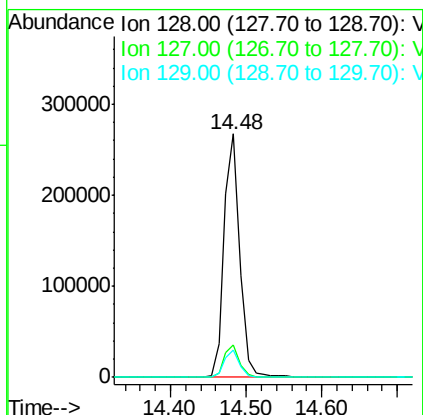
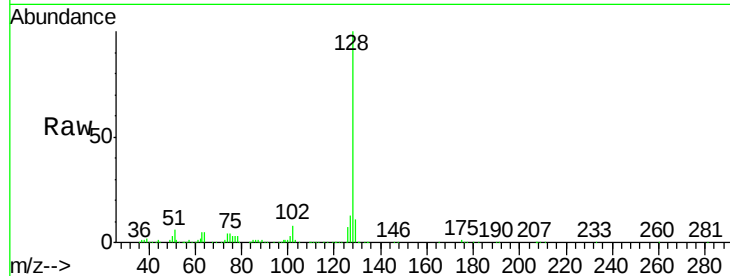




#95
Naphthalene
Concen: 47.533 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 388088
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 52.344 ug/l
RT: 14.62 min Scan# 1429
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Tgt Ion:180 Resp: 260899
Ion Ratio Lower Upper
180 100
182 96.8 49.0 147.2
145 29.3 14.5 43.5

