

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\
 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 :
 VSTDCCC050

Quant Time: Apr 29 15:24:21 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	121465m	46.458	ug/l	
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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Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration

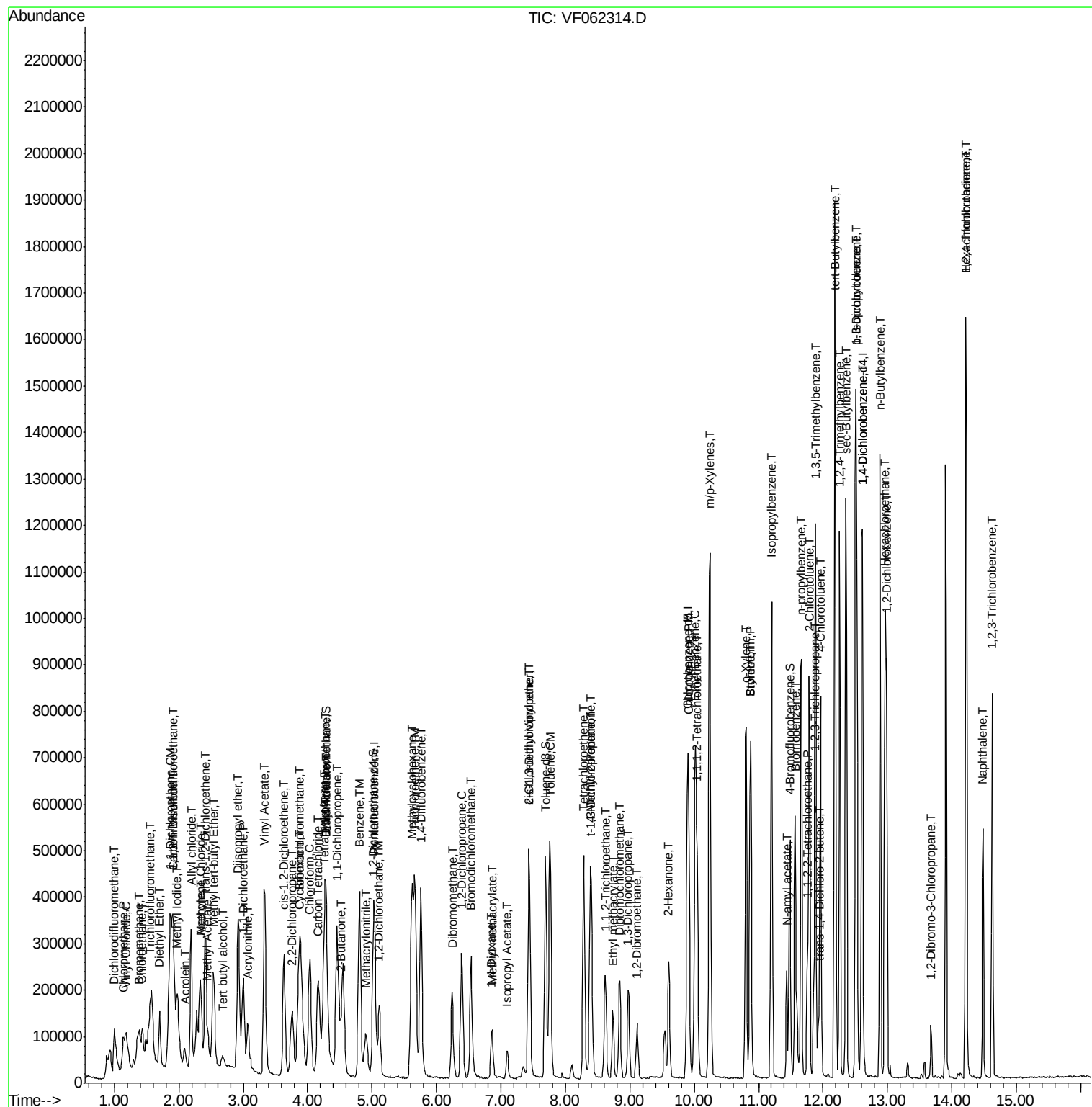
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	268094	50.871	ug/l	99
94) Hexachlorobutadiene	14.22	225	204447	53.942	ug/l	99
95) Naphthalene	14.48	128	388088	47.533	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	260899	52.344	ug/l	99

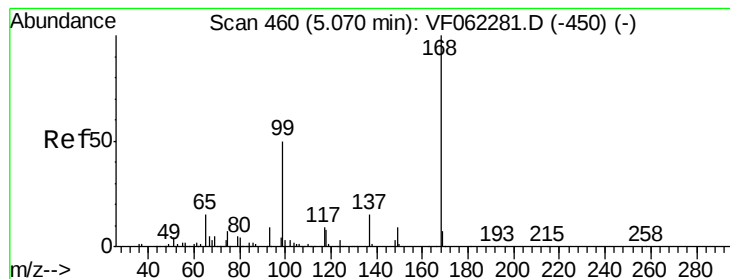
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

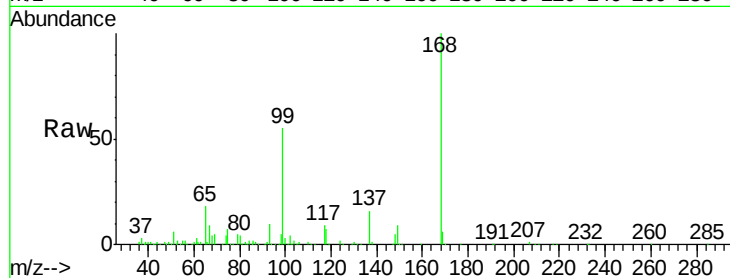
VSTDCCC050

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): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.04

120000

100000

80000

60000

40000

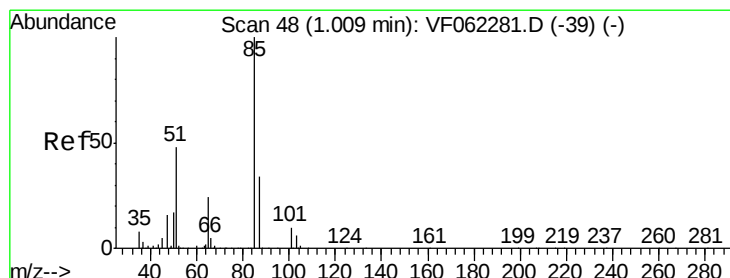
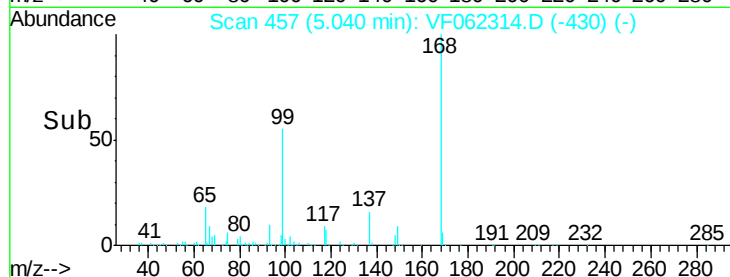
20000

0

Time-->

5.00

5.20



#2

Dichlorodifluoromethane

Concen: 49.830 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062314.D

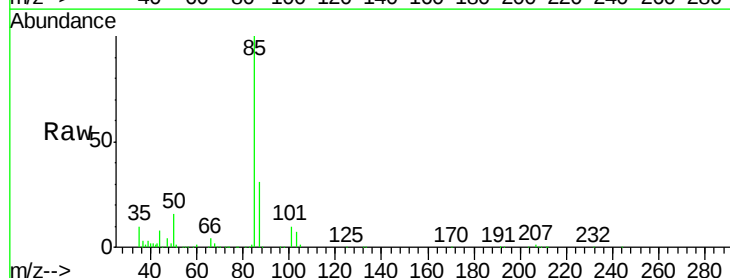
Acq: 29 Apr 2019 15:02

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

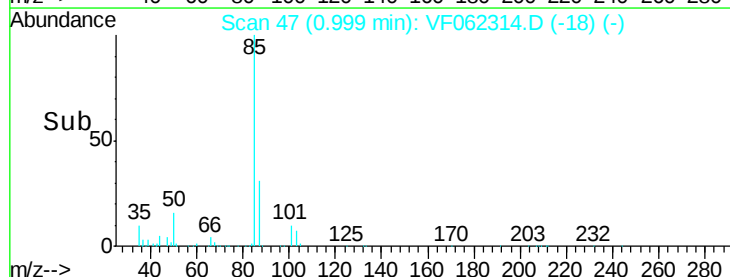
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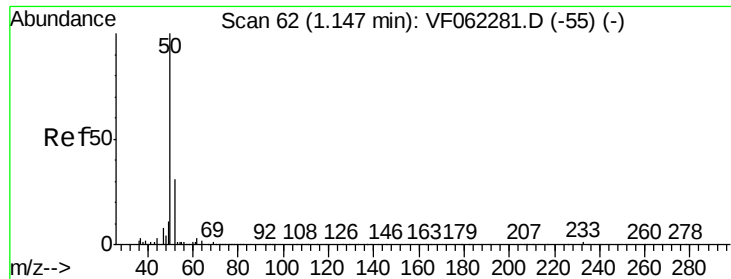
Time-->

0.80

1.00

1.20





#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 :

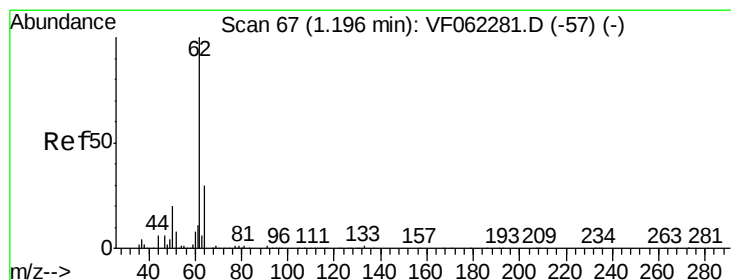
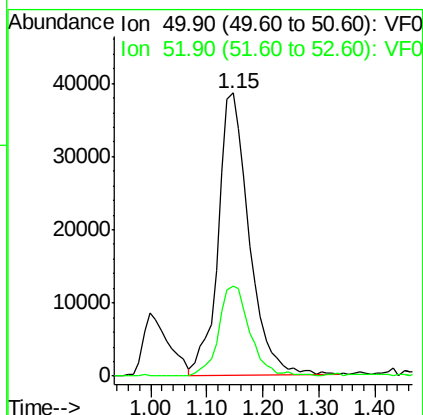
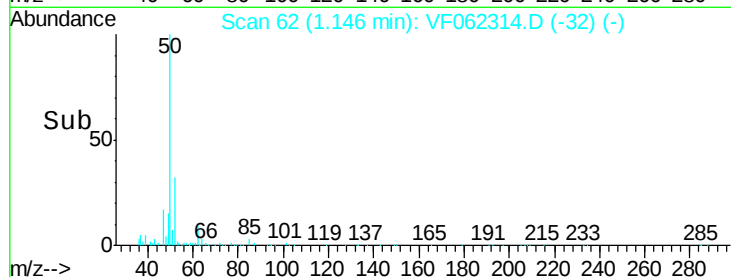
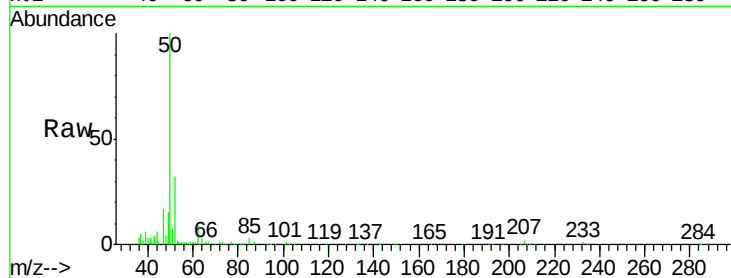
VSTDCCC050

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

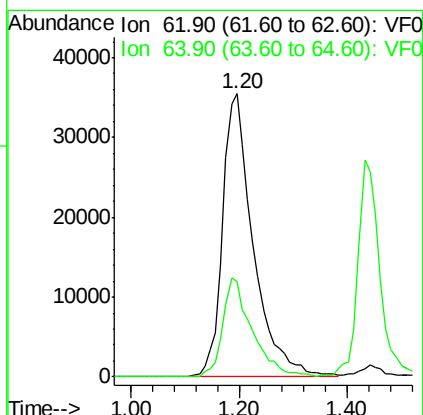
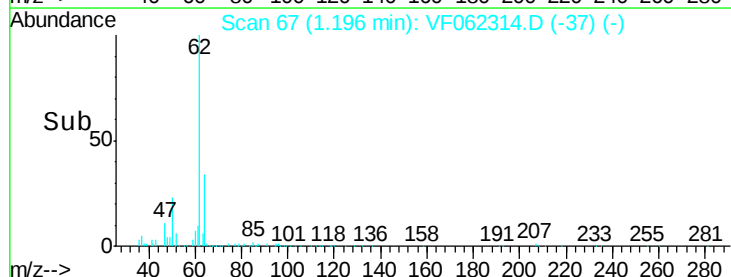
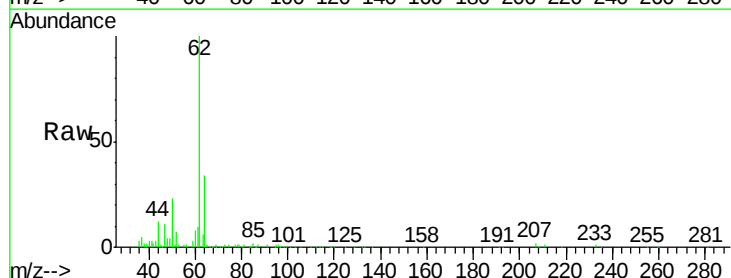
Acq: 29 Apr 2019 15:02

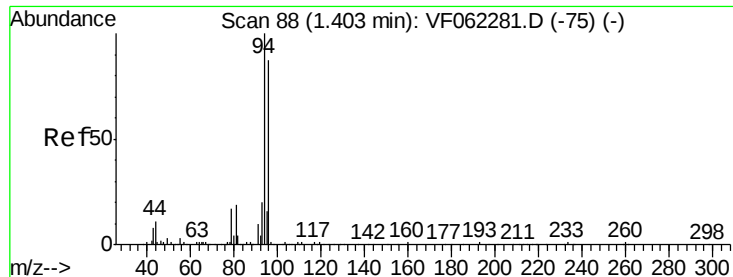
Tgt Ion: 62 Resp: 139464

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 :

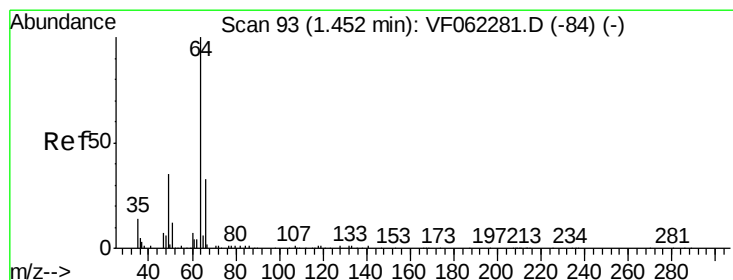
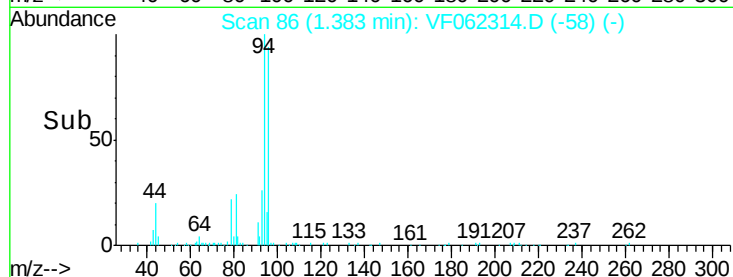
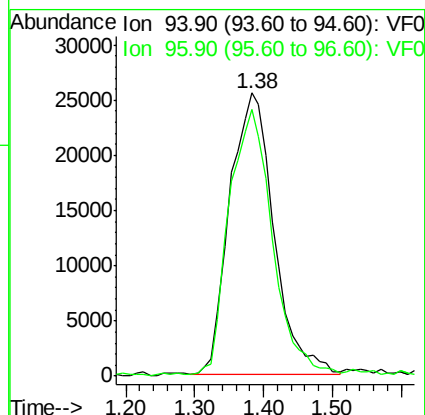
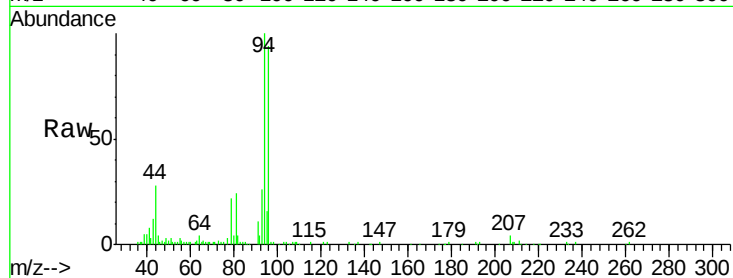
VSTDCCC050

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

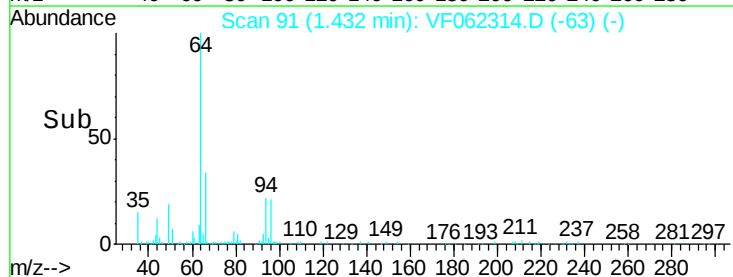
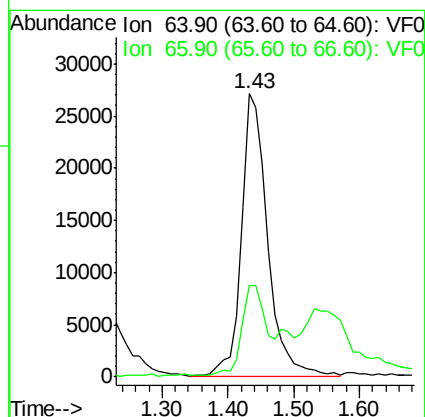
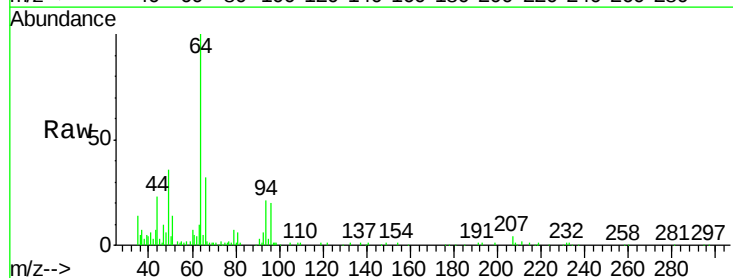
Acq: 29 Apr 2019 15:02

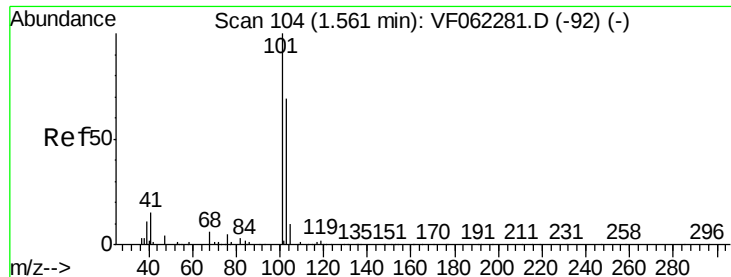
Tgt Ion: 64 Resp: 76530

Ion Ratio Lower Upper

64 100

66 31.0 26.0 39.0



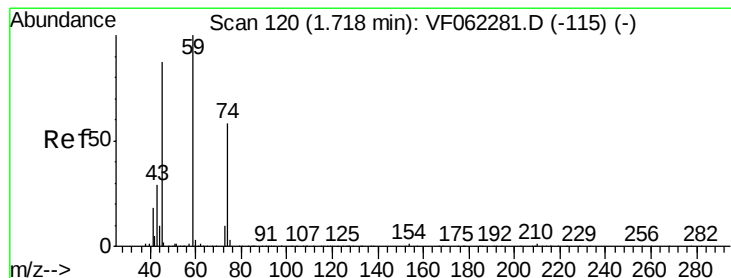
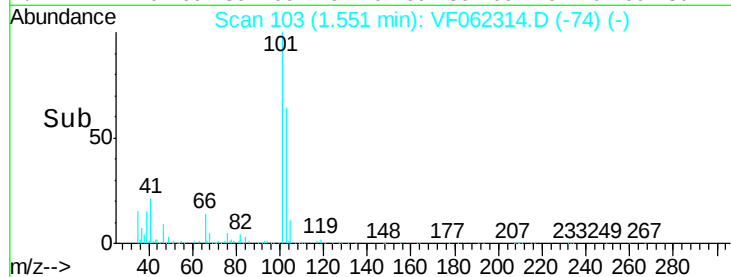
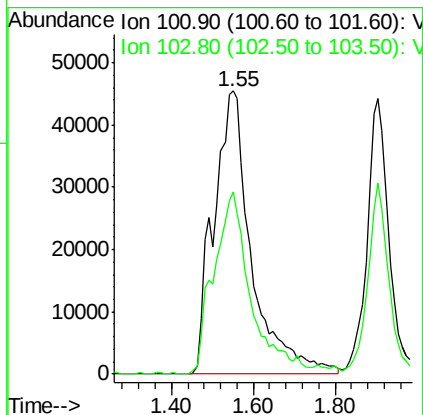
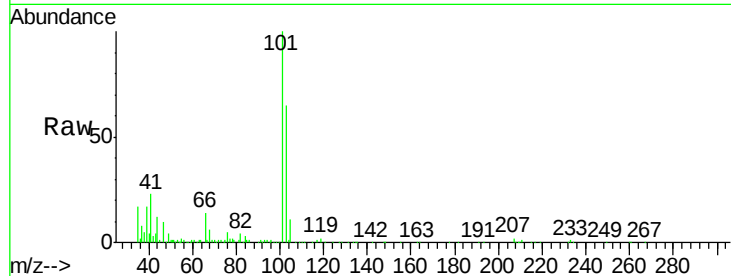


#7

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 :
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 ClientSampleId :
 VSTDCCC050

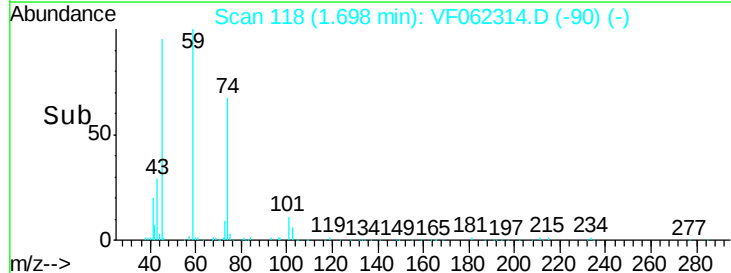
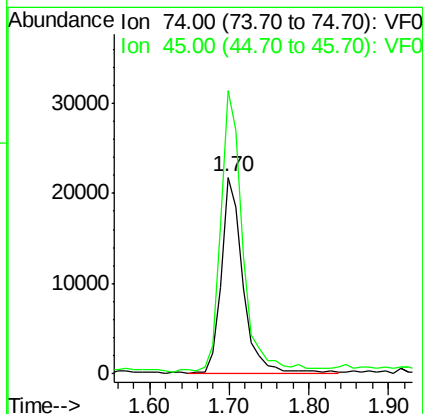
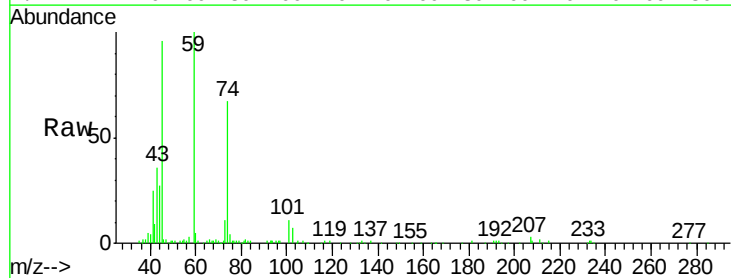
Tot Ion:101 Resp: 291768
 Ion Ratio Lower Upper
 101 100
 103 64.6 55.0 82.6

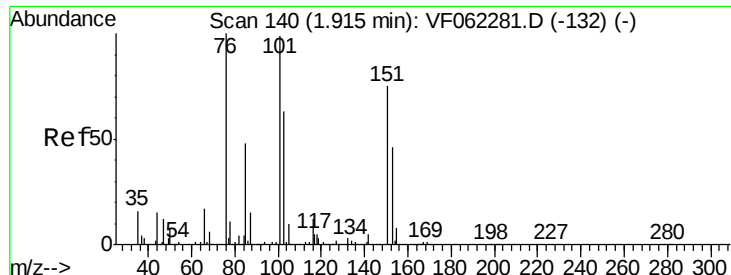


#8

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 :

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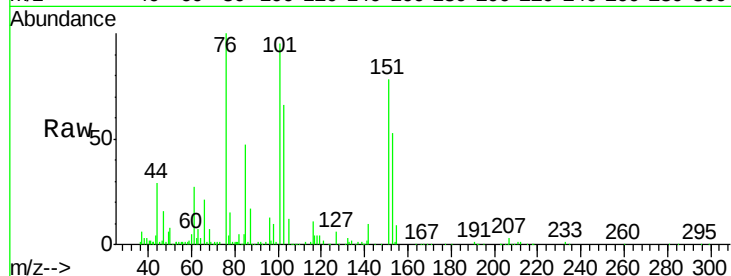
Tot Ion:101 Resp: 161885

Ion Ratio Lower Upper

101 100

85 48.0 36.5 54.7

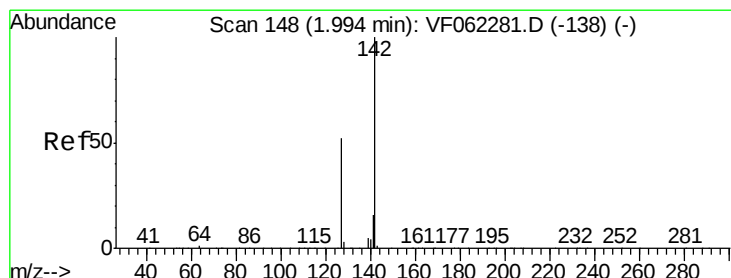
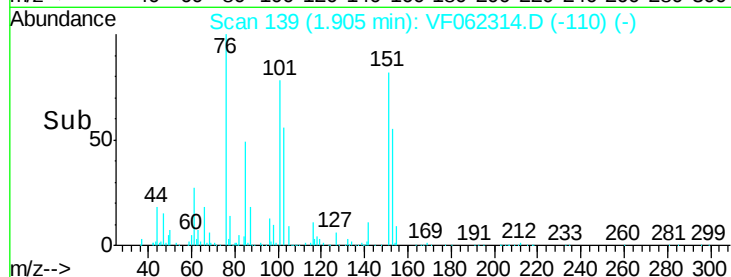
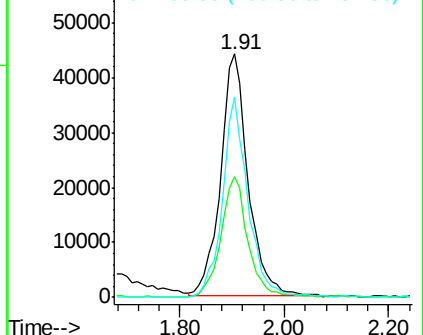
151 75.4 59.2 88.8



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

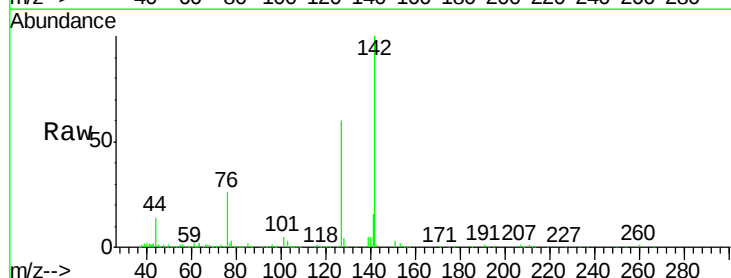
Tgt Ion:142 Resp: 273690

Ion Ratio Lower Upper

142 100

127 44.7 43.0 64.4

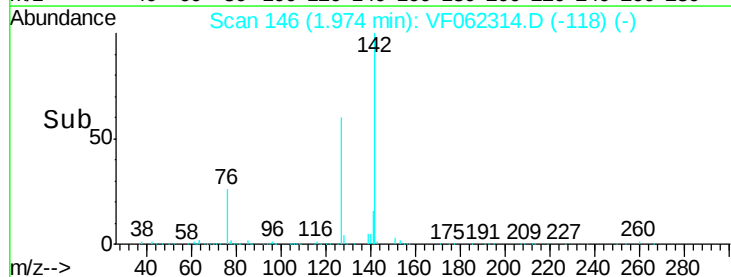
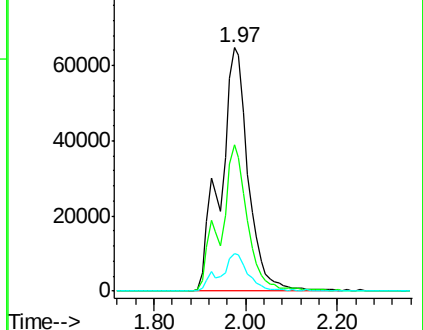
141 12.6 12.3 18.5

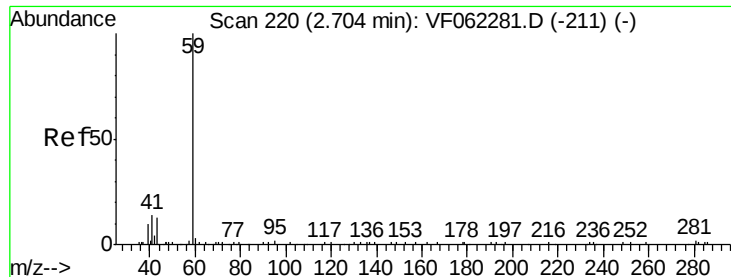


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



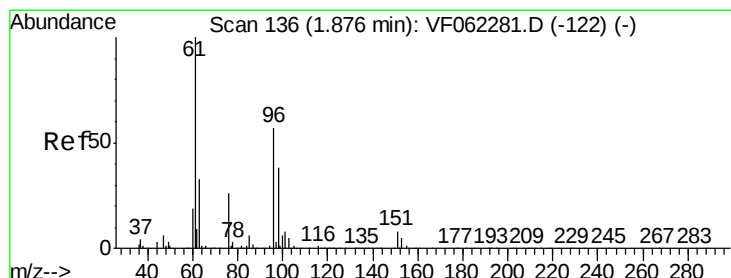
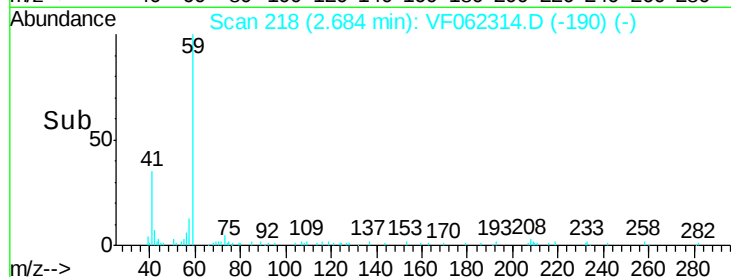
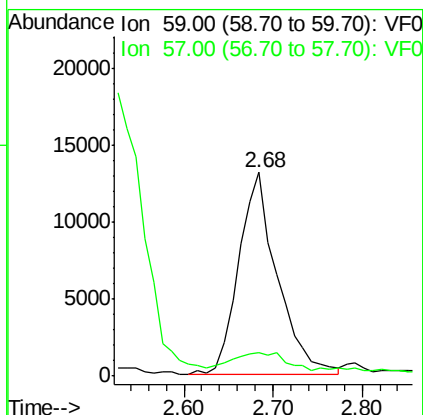
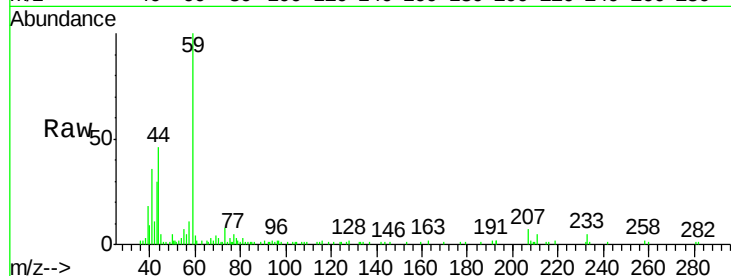


#11

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 :
VSTDCCC050

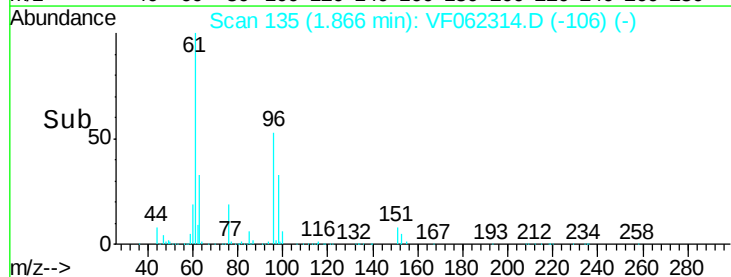
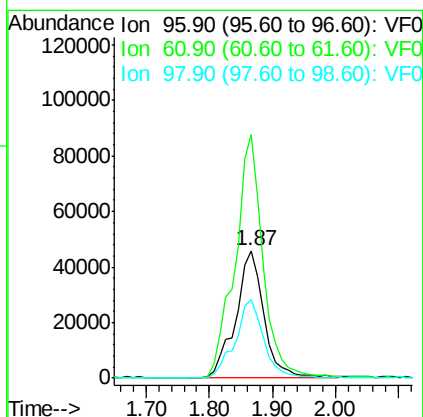
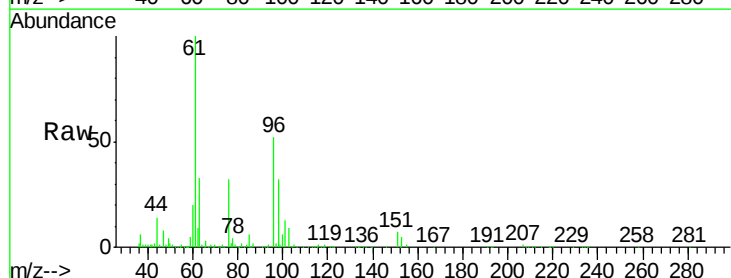
Tot Ion: 59 Resp: 39558
Ion Ratio Lower Upper
59 100
57 11.7 8.8 13.2

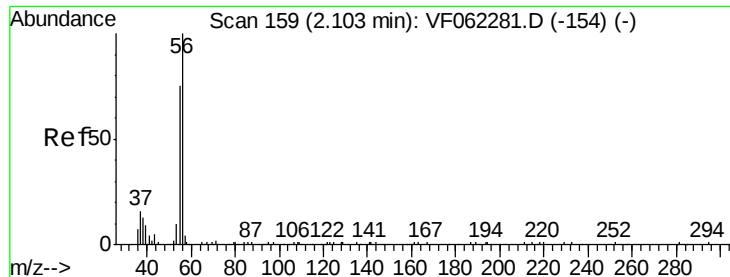


#12

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 :

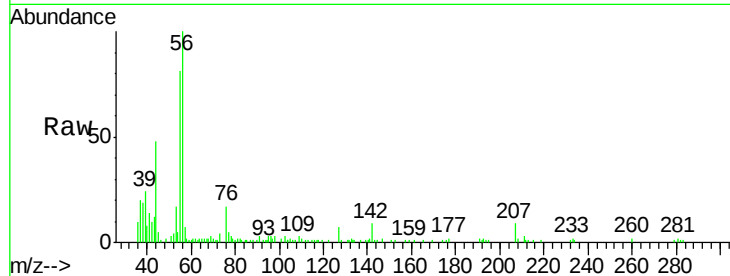
VSTDCCC050

Tot Ion: 56 Resp: 31357

Ion Ratio Lower Upper

56 100

55 81.8 62.3 93.5



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.09

15000

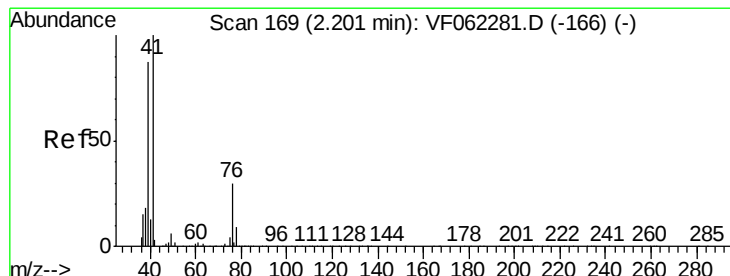
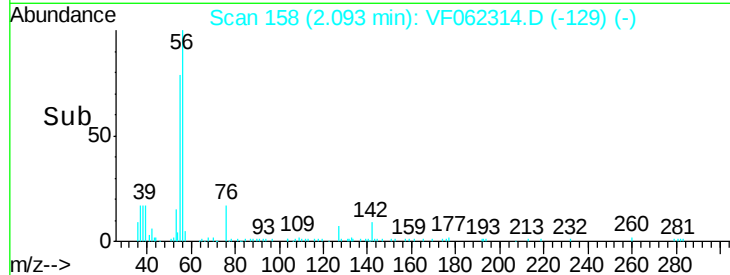
10000

5000

0

Time-->

2.00 2.10 2.20



#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

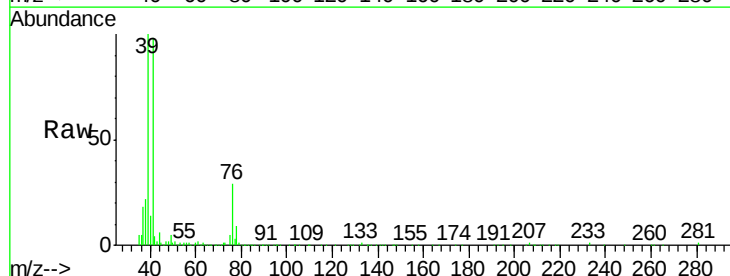
Tgt Ion: 41 Resp: 219778

Ion Ratio Lower Upper

41 100

39 103.2 50.3 75.5#

76 23.0 14.8 22.2#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 75.90 (75.60 to 76.60): VF0

120000

100000

80000

60000

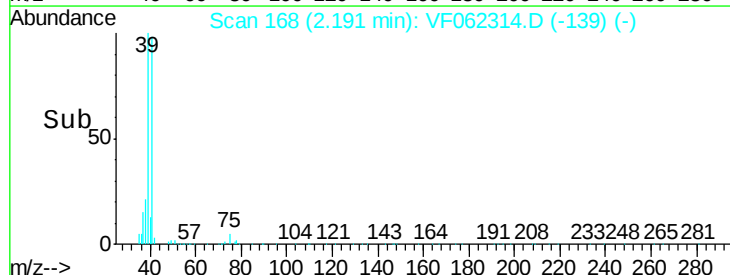
40000

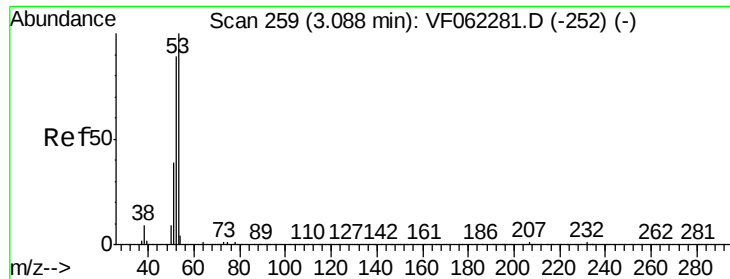
20000

0

Time-->

2.00 2.20 2.40





#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 :

VSTDCCC050

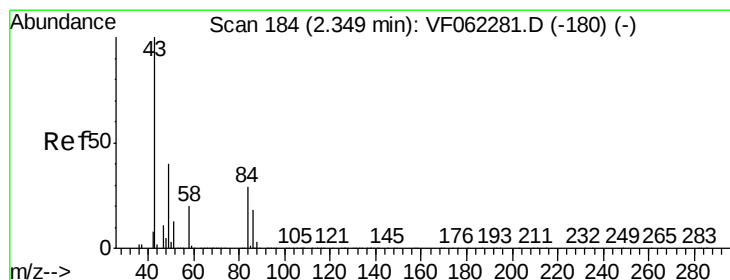
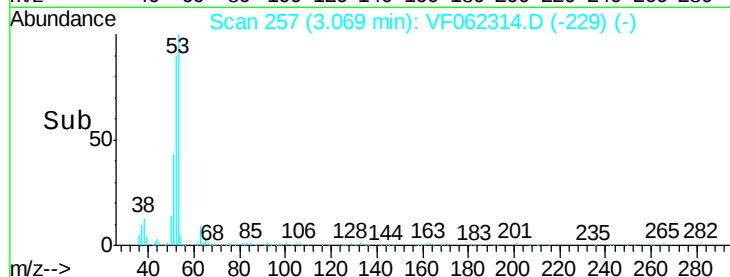
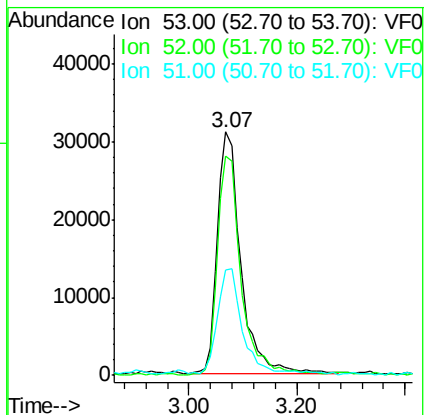
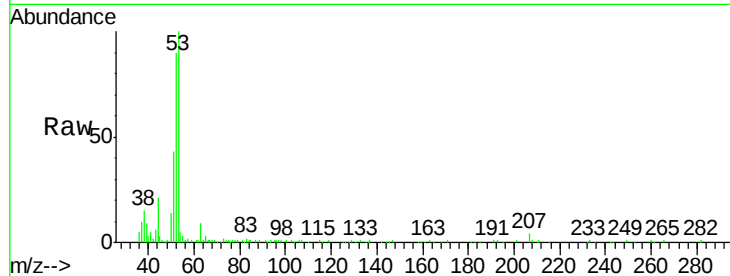
Tot Ion: 53 Resp: 93403

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

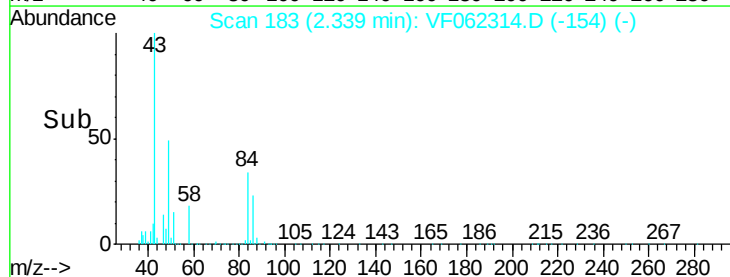
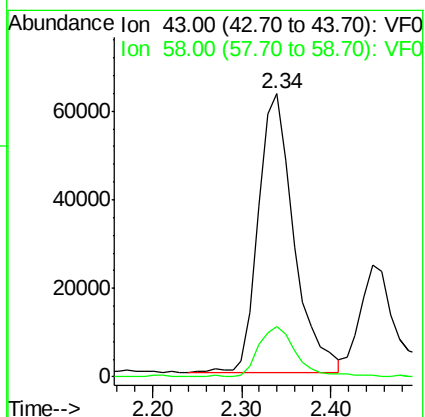
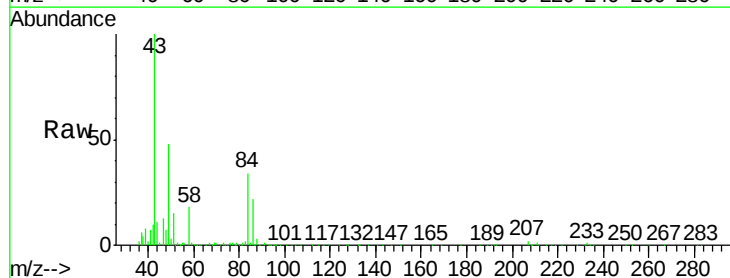
Acq: 29 Apr 2019 15:02

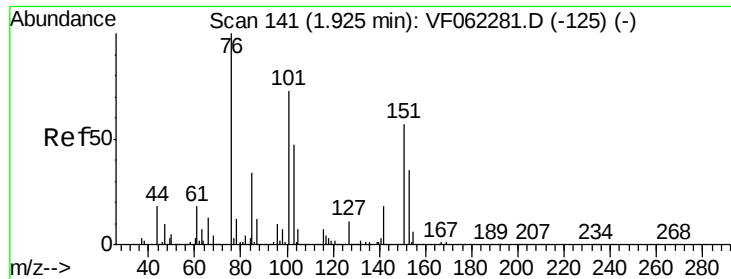
Tgt Ion: 43 Resp: 173239

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 :

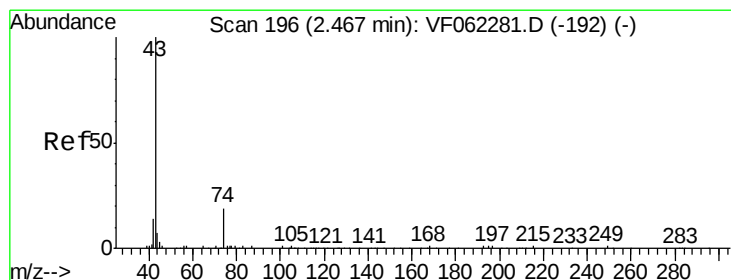
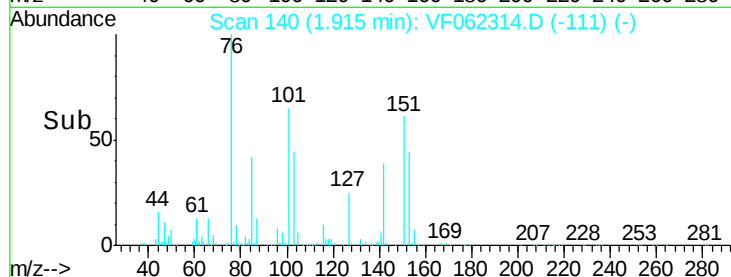
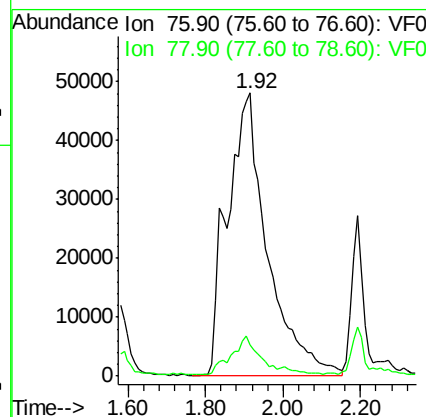
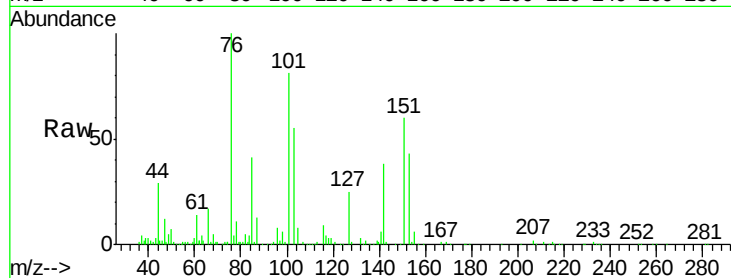
VSTDCCC050

Tot Ion: 76 Resp: 344644

Ion Ratio Lower Upper

76 100

78 10.6 9.8 14.8



#18

Methyl Acetate

Concen: 51.979 ug/l

RT: 2.45 min Scan# 194

Delta R.T. -0.02 min

Lab File: VF062314.D

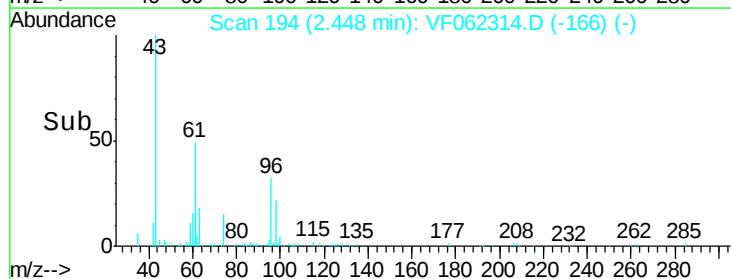
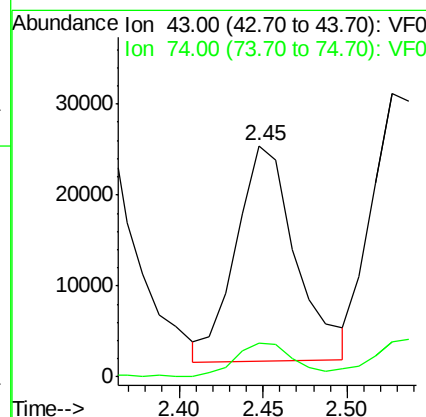
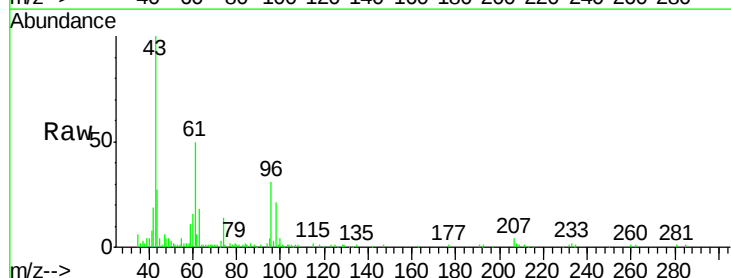
Acq: 29 Apr 2019 15:02

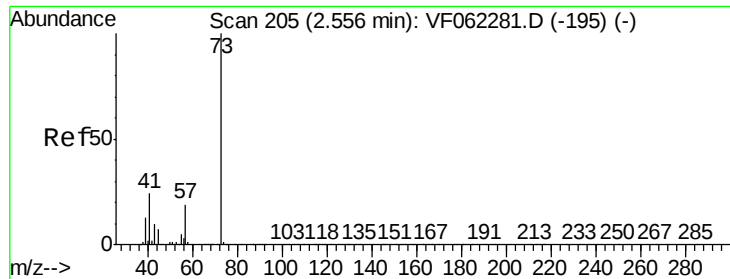
Tgt Ion: 43 Resp: 58581

Ion Ratio Lower Upper

43 100

74 16.0 14.4 21.6



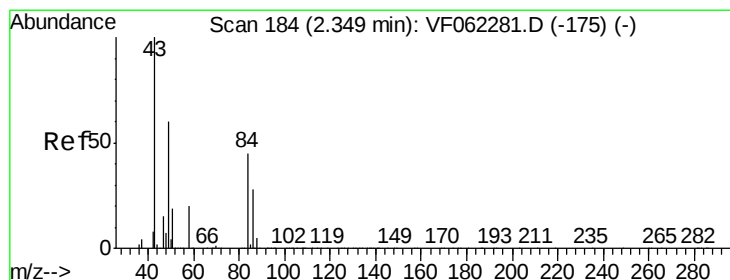
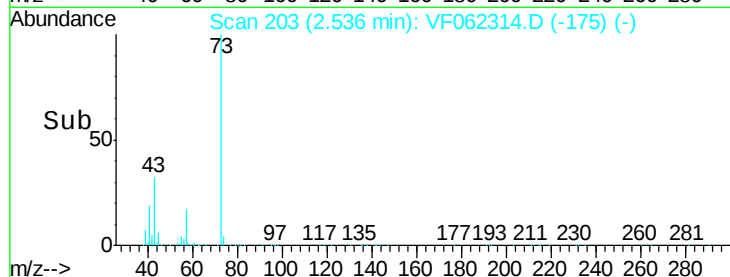
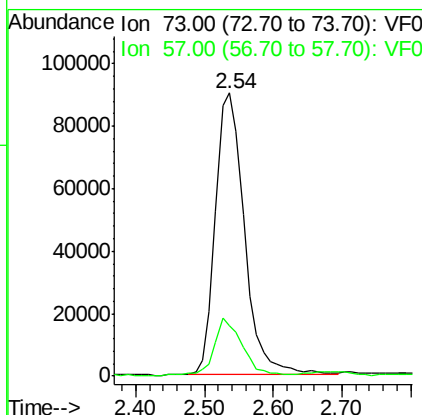
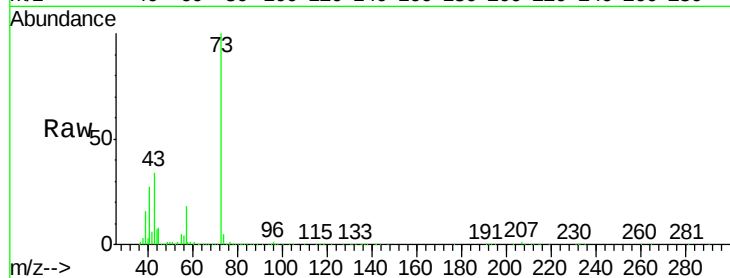


#19

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 :
 VSTDCCC050

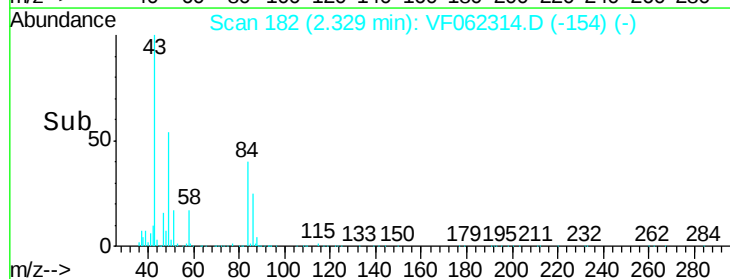
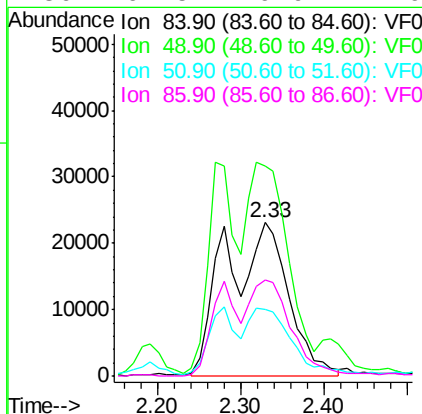
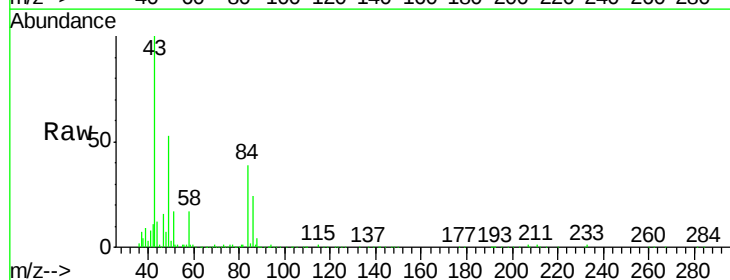
Tot Ion: 73 Resp: 264547
 Ion Ratio Lower Upper
 73 100
 57 16.7 15.5 23.3

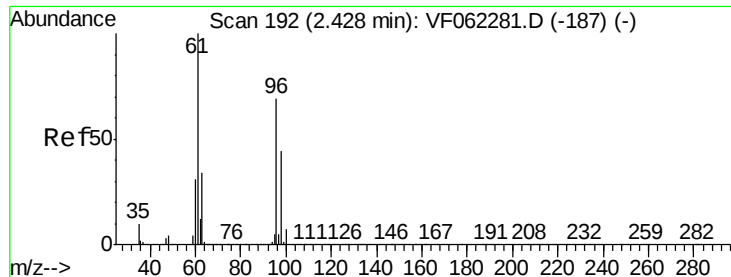


#20

Methylene Chloride
 Concen: 46.458 ug/l m
 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: 121465
 Ion Ratio Lower Upper
 84 100
 49 136.8 112.1 168.1
 51 43.3 35.9 53.9
 86 62.5 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

ClientSampleId :

VSTDCCC050

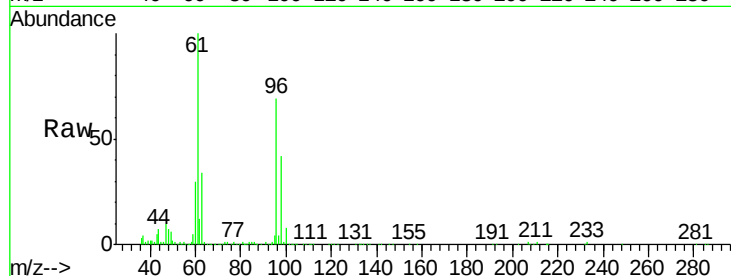
Tot Ion: 96 Resp: 129159

Ion Ratio Lower Upper

96 100

61 144.5 116.2 174.2

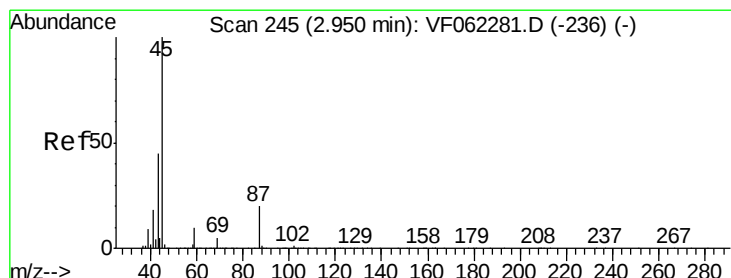
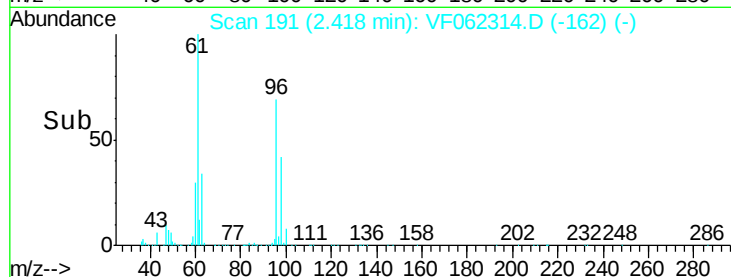
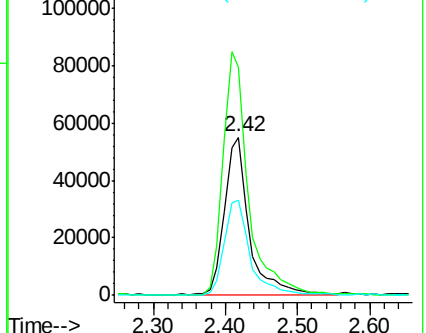
98 60.5 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#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

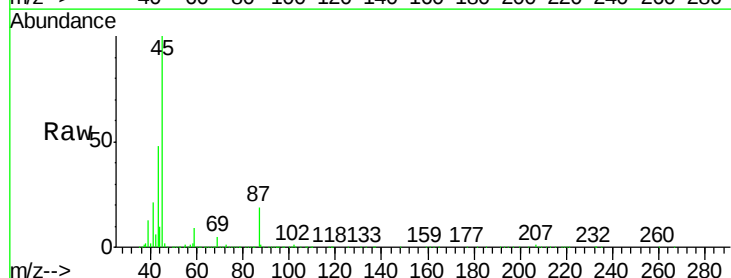
Ion Ratio Lower Upper

45 100

43 46.7 36.2 54.2

87 19.4 15.8 23.6

59 8.5 7.8 11.8

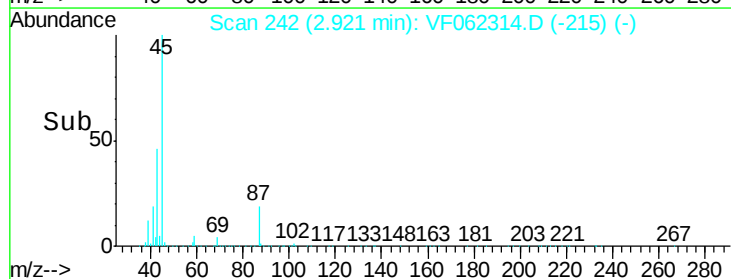
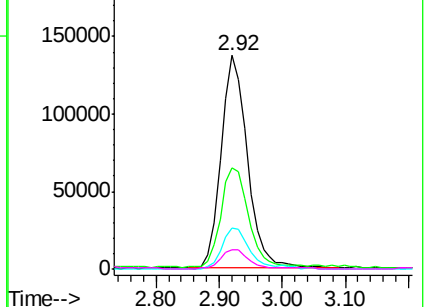


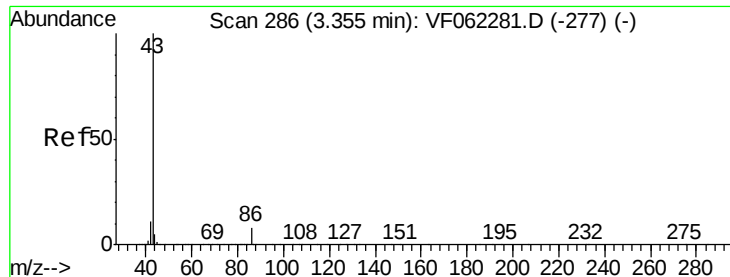
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 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 :

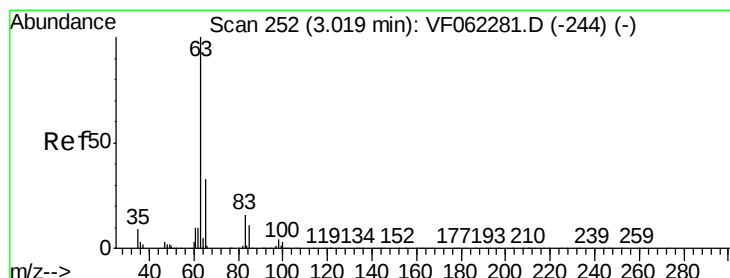
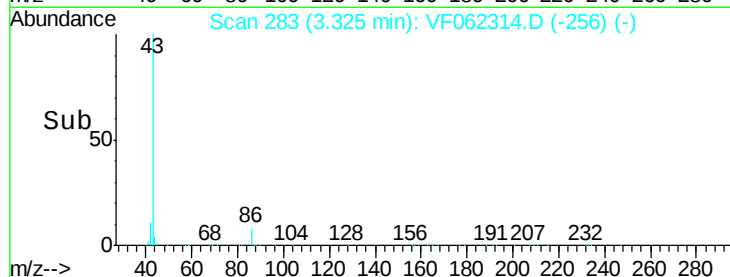
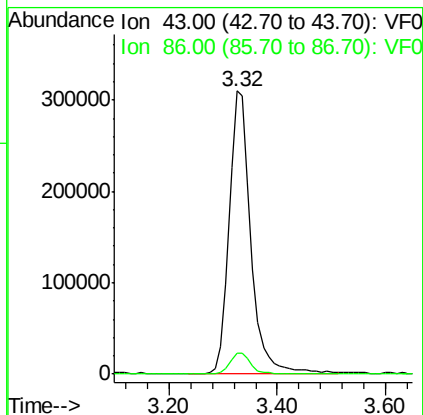
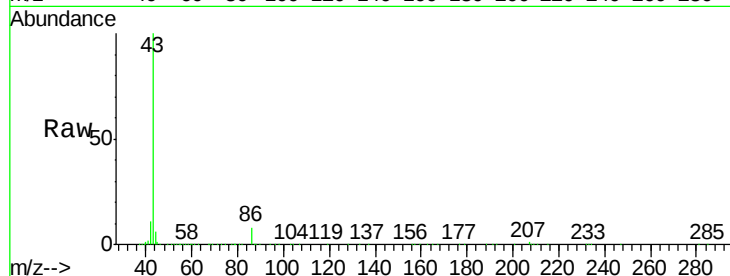
VSTDCCC050

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

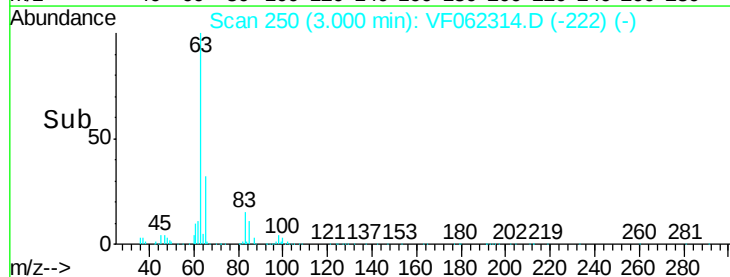
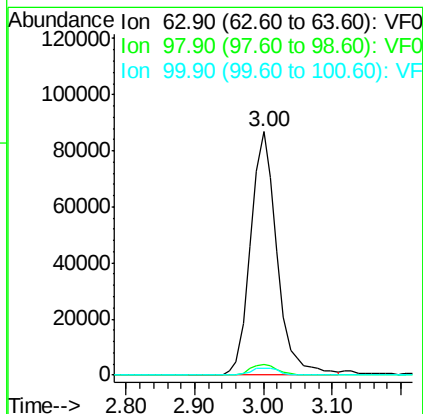
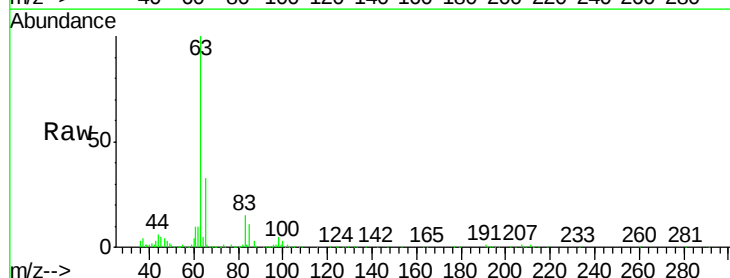
Tgt Ion: 63 Resp: 231641

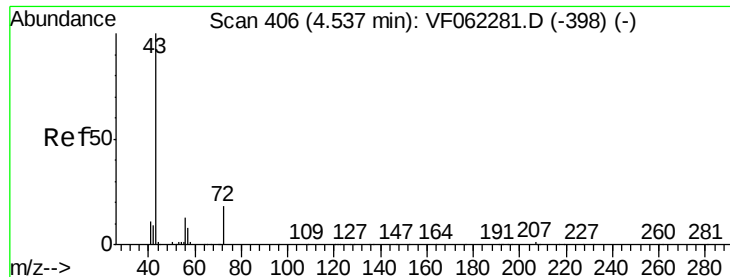
Ion Ratio Lower Upper

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

ClientSampleId :

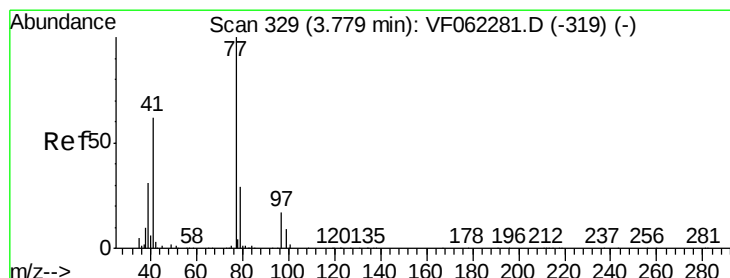
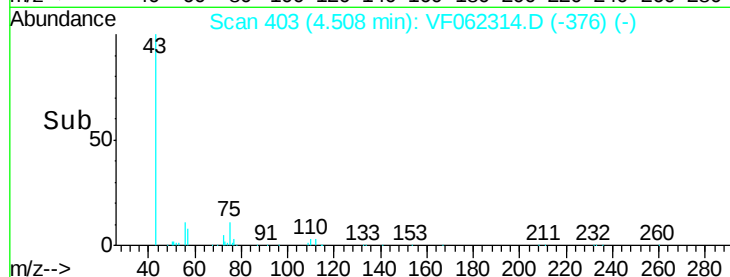
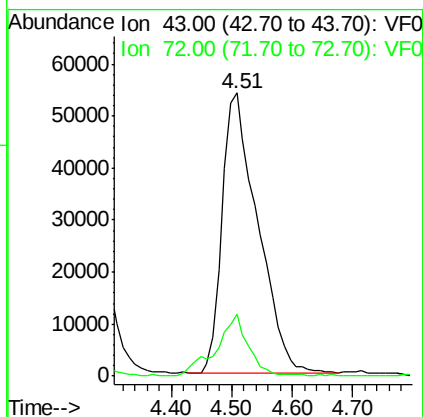
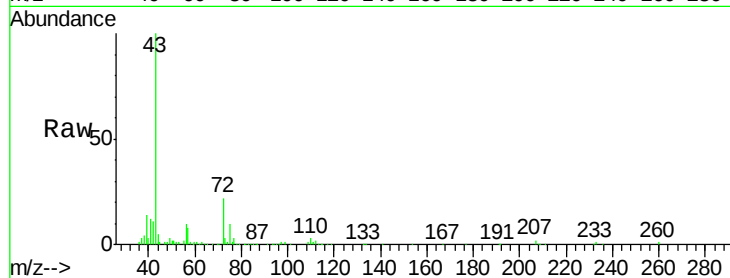
VSTDCCC050

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

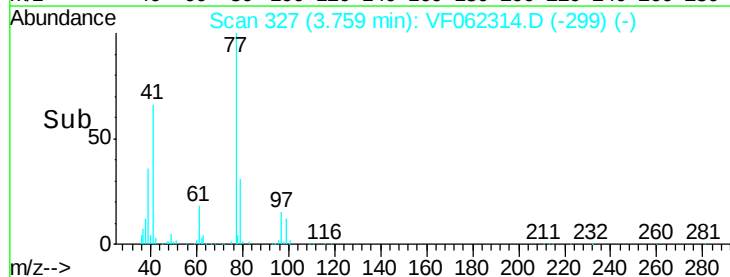
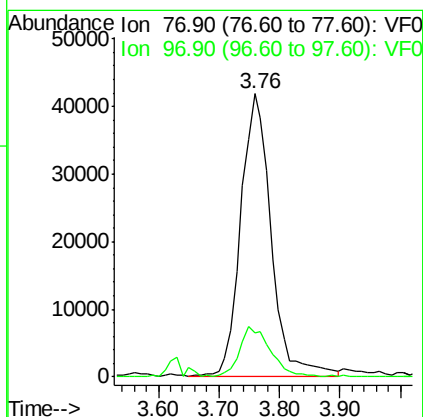
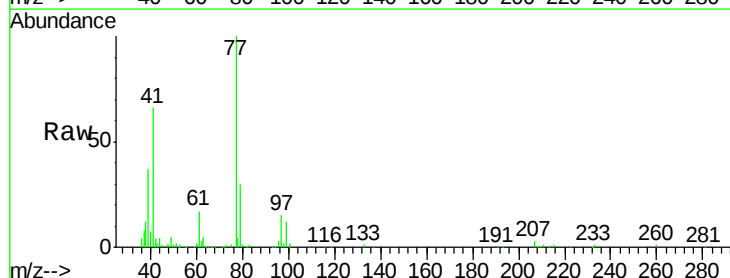
Acq: 29 Apr 2019 15:02

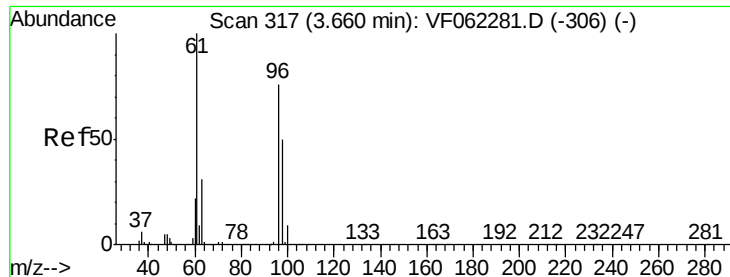
Tgt Ion: 77 Resp: 145242

Ion Ratio Lower Upper

77 100

97 18.2 10.3 30.8



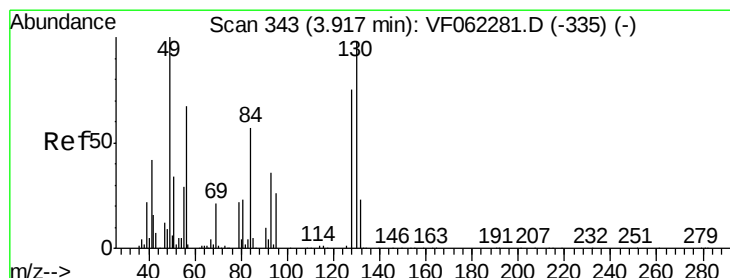
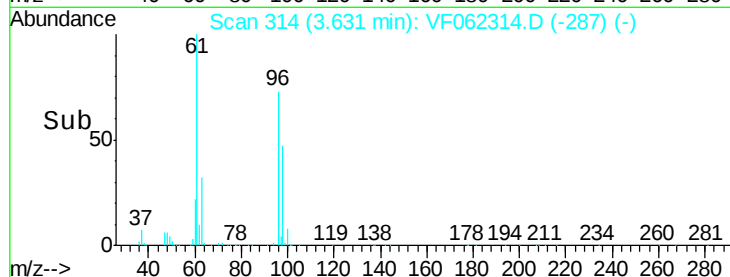
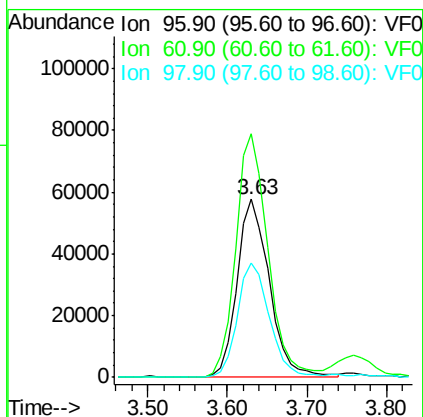
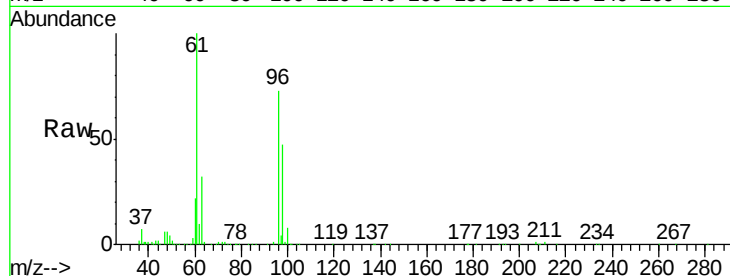


#27

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 :
VSTDCCC050

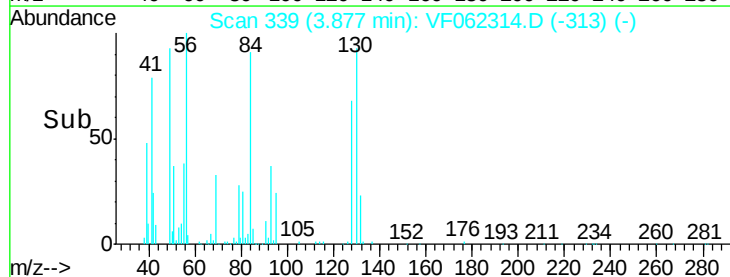
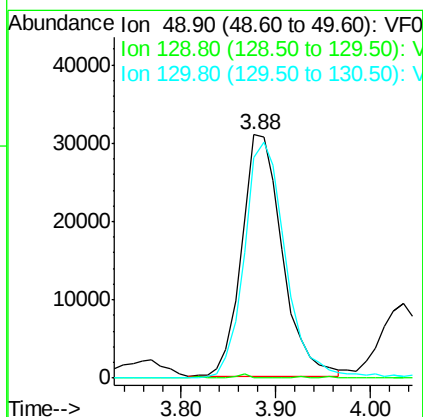
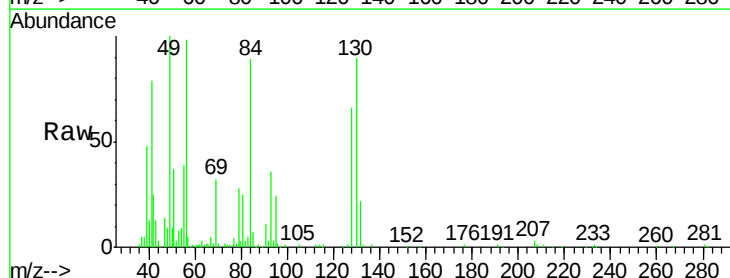
Tot Ion: 96 Resp: 161429
Ion Ratio Lower Upper
96 100
61 137.5 0.0 257.6
98 64.1 0.0 137.4

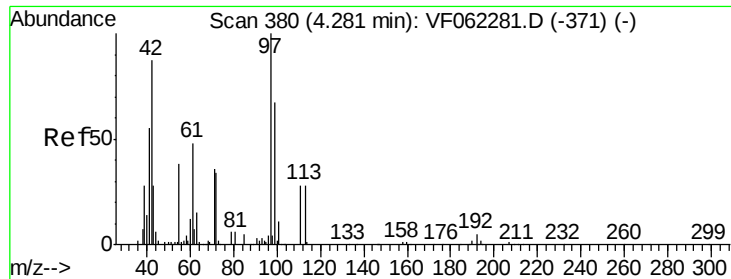


#28

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

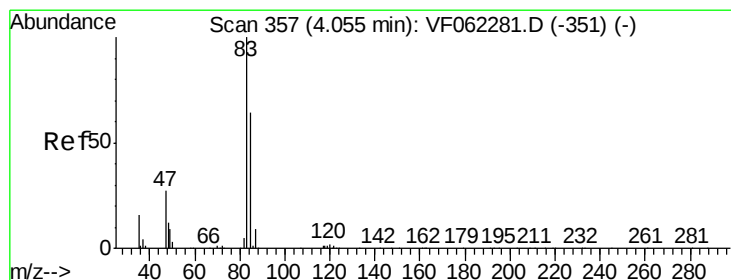
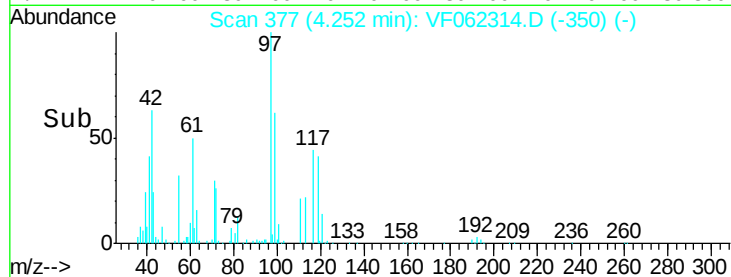
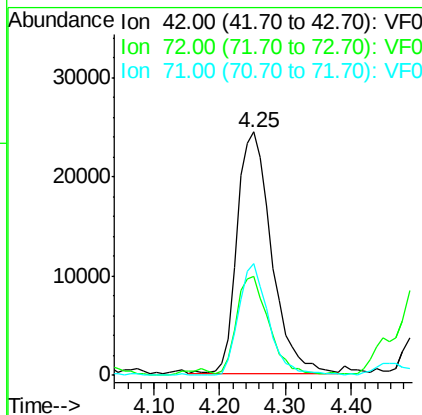
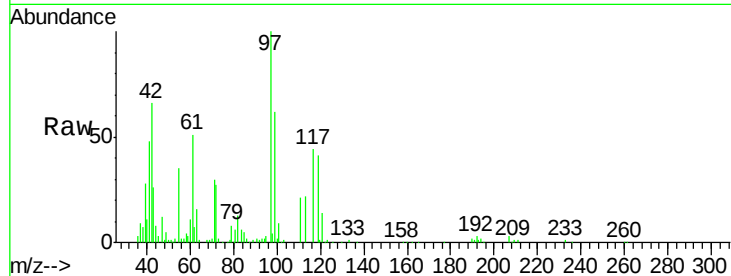




#29
Tetrahydrofuran
Concen: 211.428 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

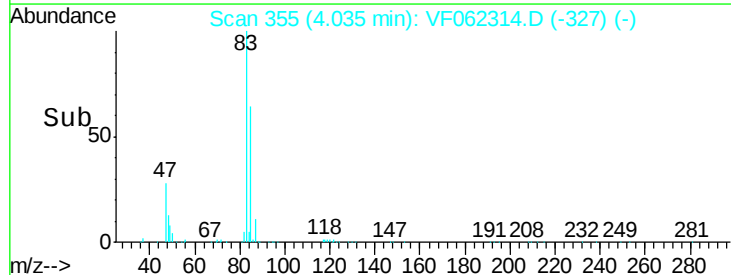
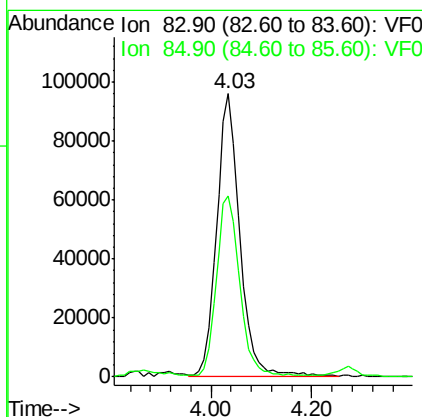
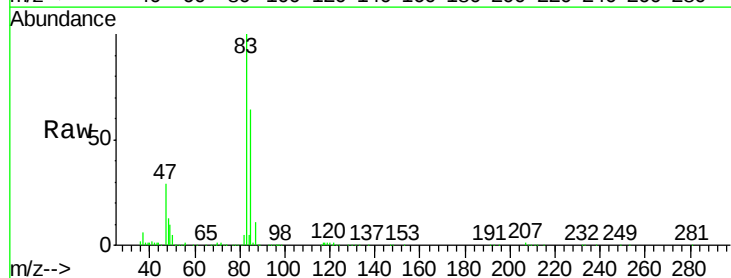
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

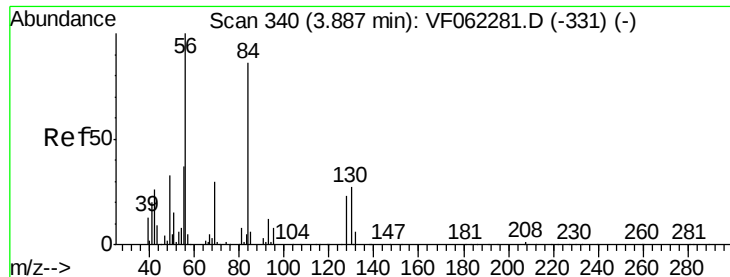
Tot Ion: 42 Resp: 89483
Ion Ratio Lower Upper
42 100
72 37.7 29.3 43.9
71 40.4 31.2 46.8



#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: 83 Resp: 309306
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 :

VSTDCCC050

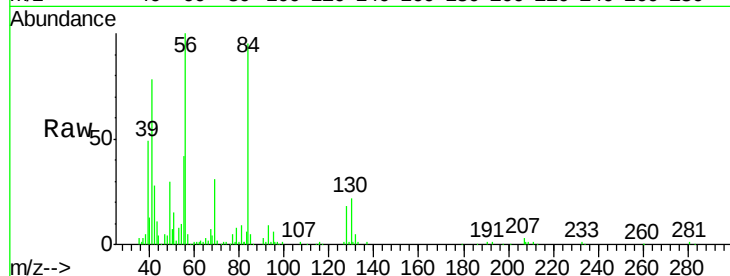
Tot Ion: 56 Resp: 201540

Ion Ratio Lower Upper

56 100

69 31.3 24.3 36.5

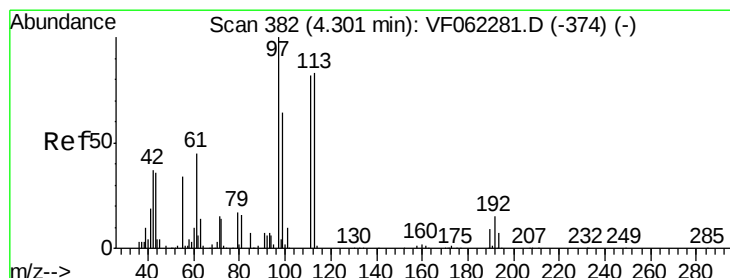
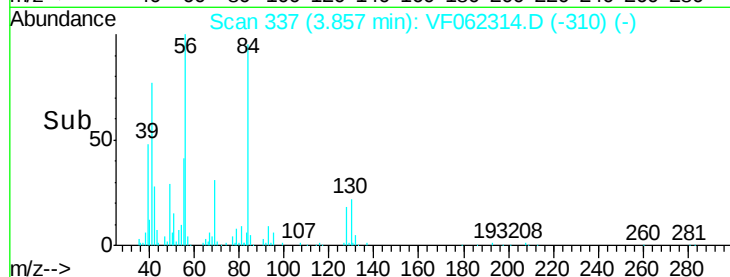
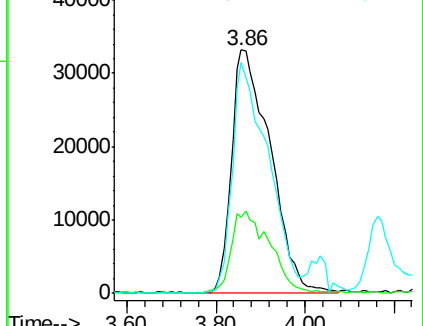
84 94.9 68.5 102.7



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 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

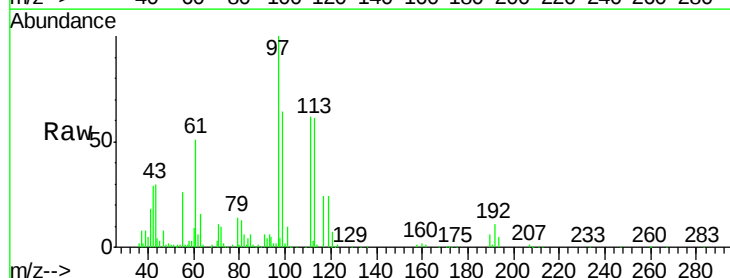
Tgt Ion: 97 Resp: 256506

Ion Ratio Lower Upper

97 100

99 65.5 41.6 62.4#

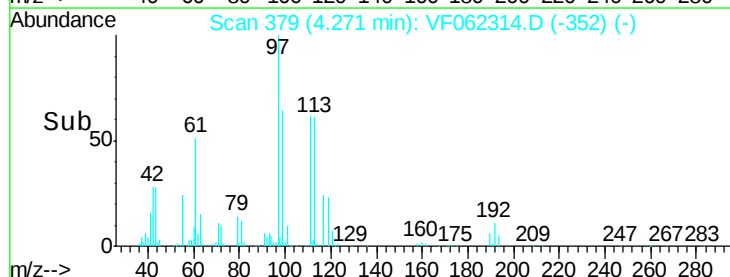
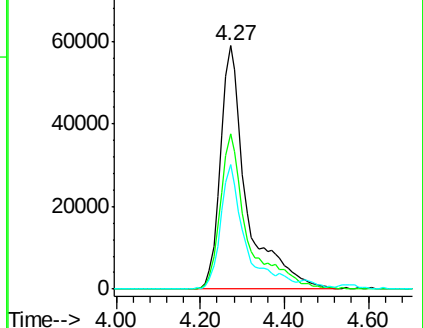
61 48.4 31.6 47.4#

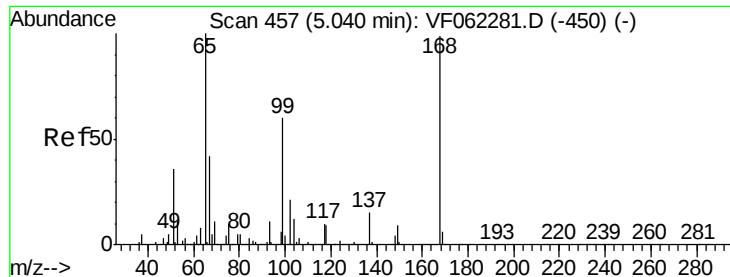


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0





#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

ClientSampleId :

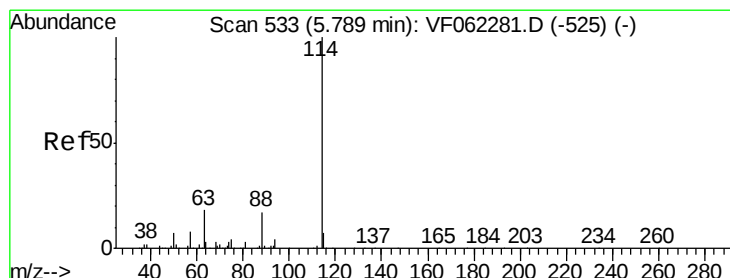
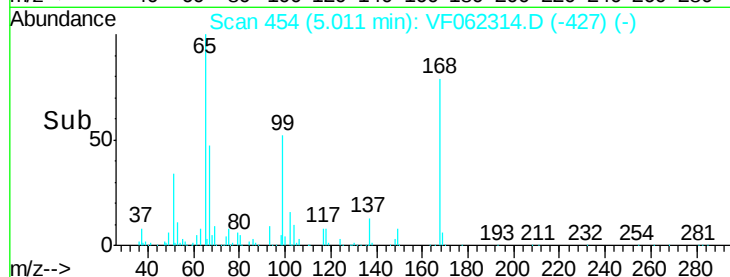
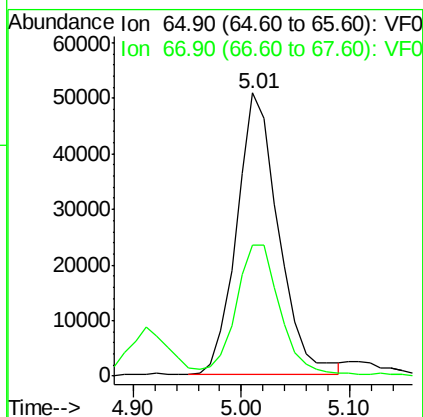
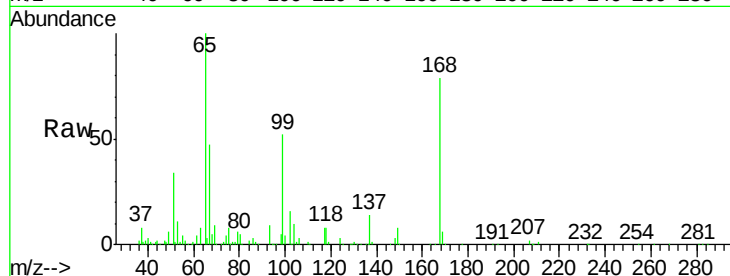
VSTDCCC050

Tot Ion: 65 Resp: 136391

Ion Ratio Lower Upper

65 100

67 49.7 0.0 98.8



#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

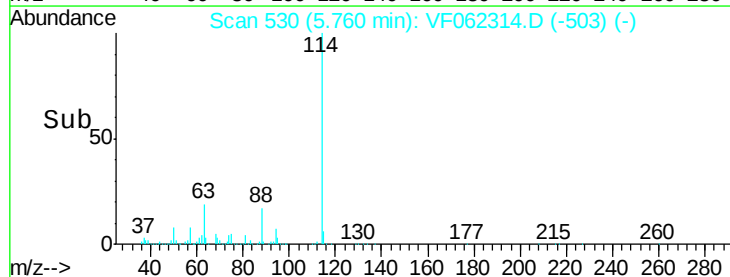
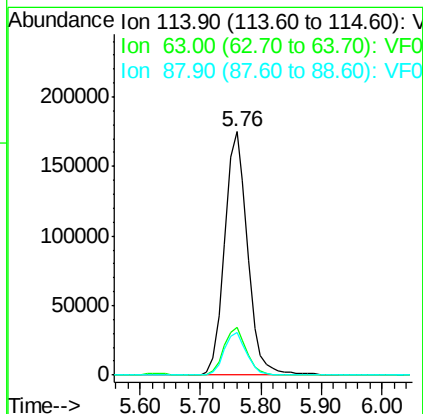
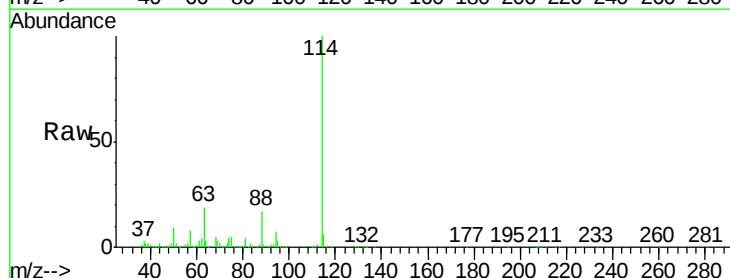
Tgt Ion: 114 Resp: 460399

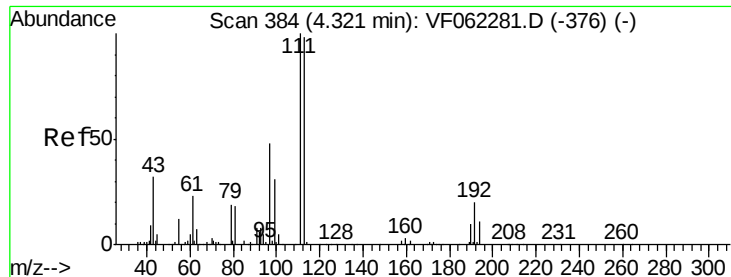
Ion Ratio Lower Upper

114 100

63 19.5 0.0 35.6

88 17.4 0.0 34.6

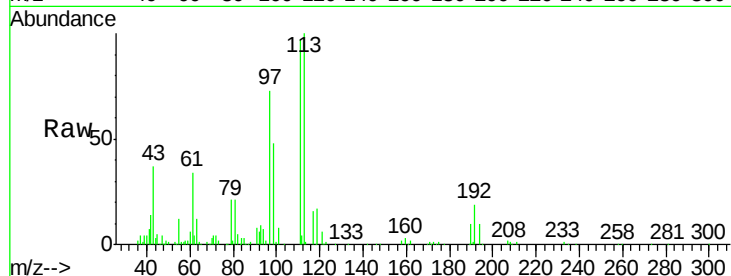




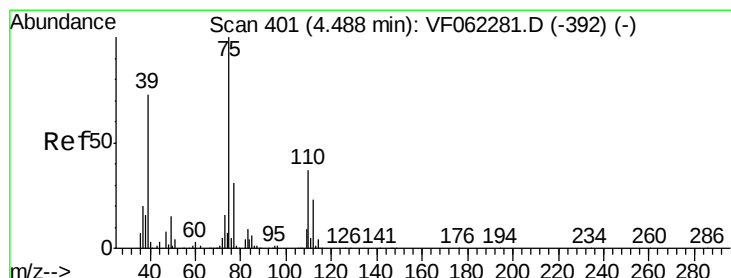
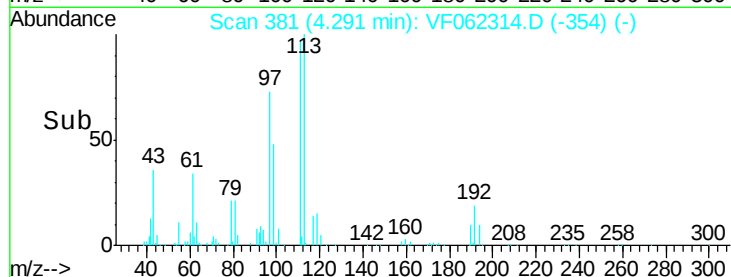
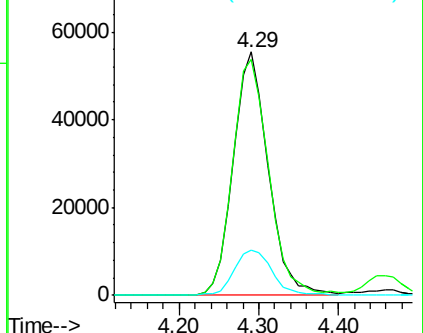
#35
 Dibromofluoromethane
 Concen: 49.662 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.03 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

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

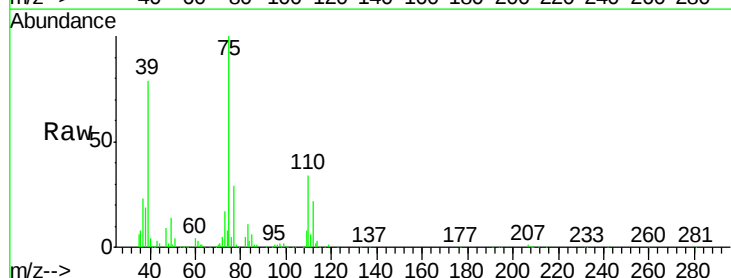


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

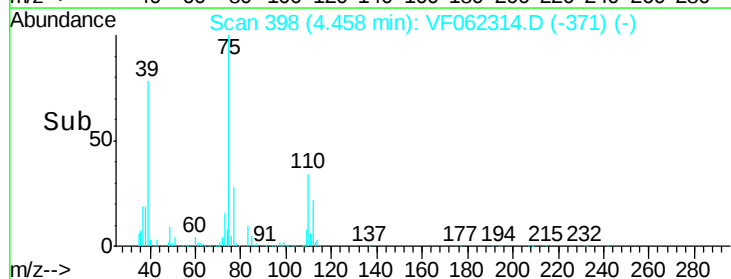
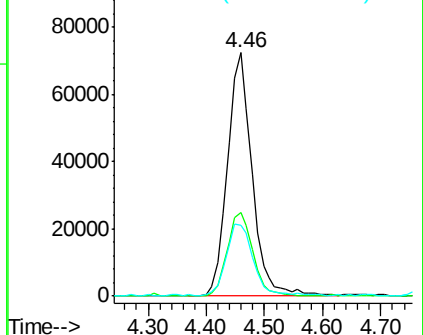


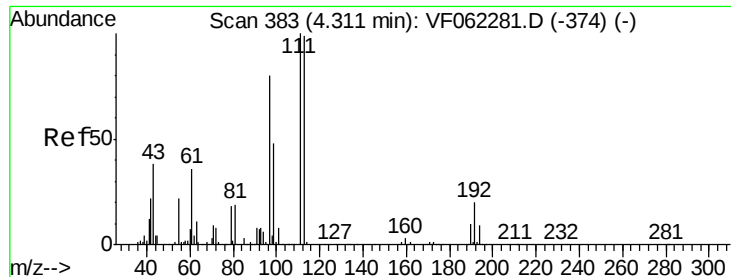
#36
 1,1-Dichloropropene
 Concen: 50.119 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. -0.03 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

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

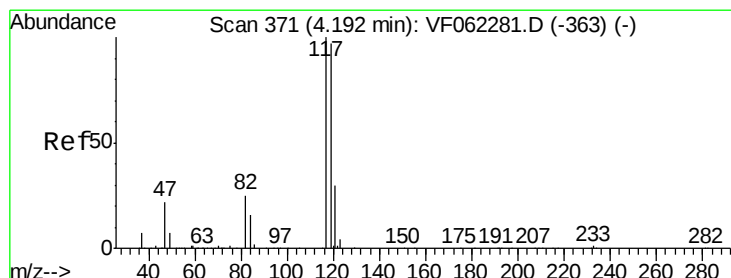
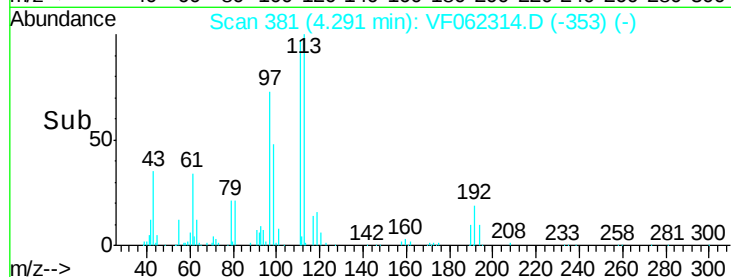
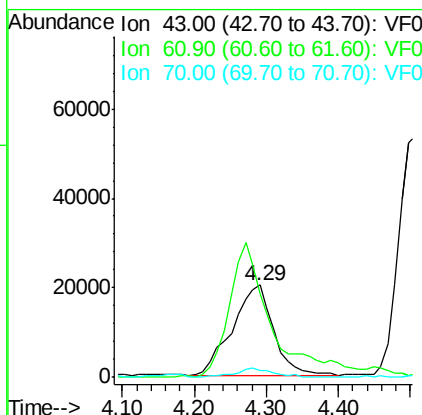
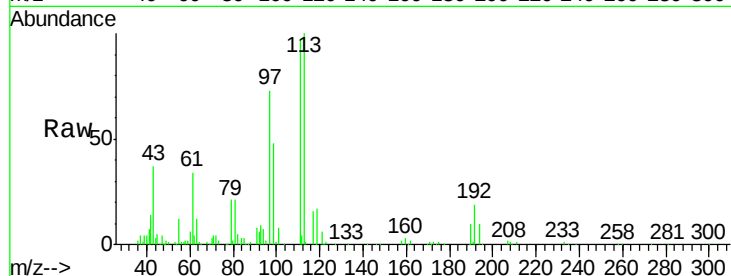




#37
Ethyl Acetate
Concen: 45.884 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

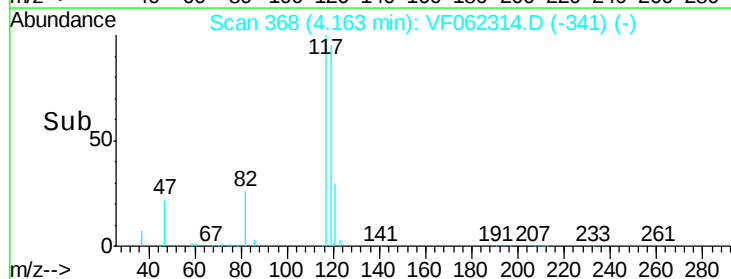
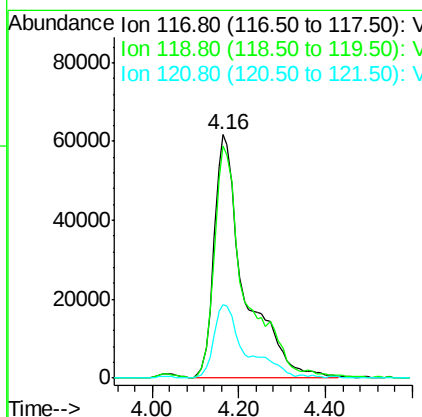
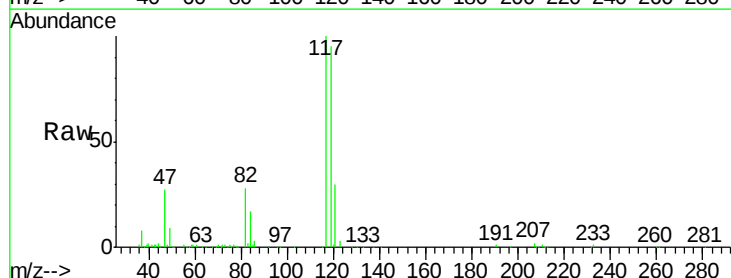
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

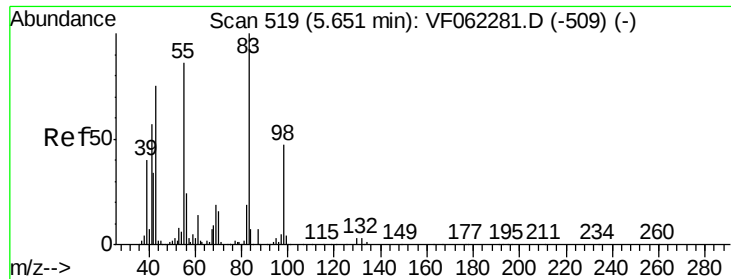
Tot Ion: 43 Resp: 81993
Ion Ratio Lower Upper
43 100
61 151.3 85.8 128.6#
70 9.8 7.3 10.9



#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

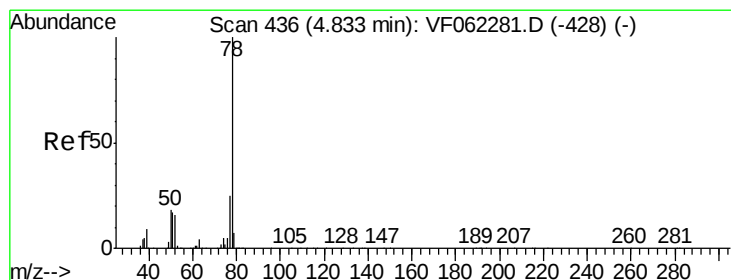
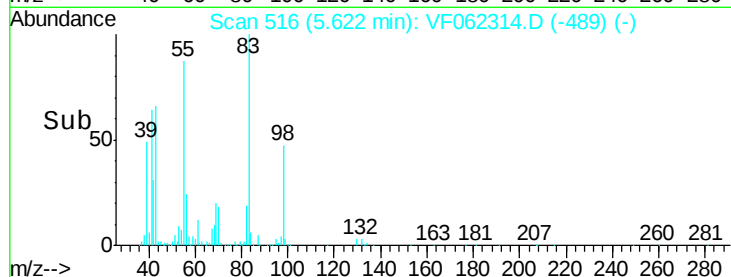
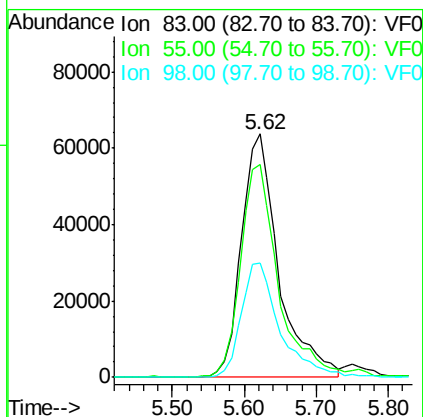
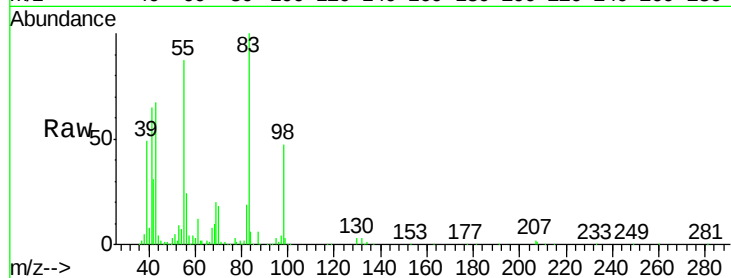




#39
Methvlcvclohexane
Concen: 46.364 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.03 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

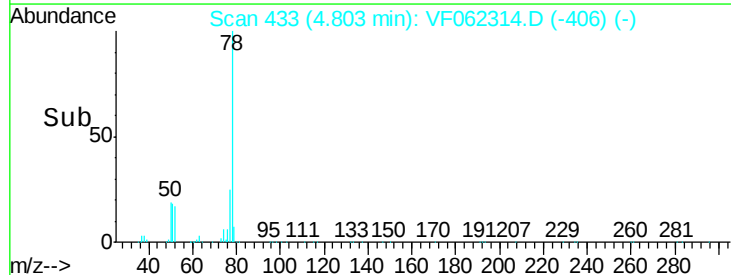
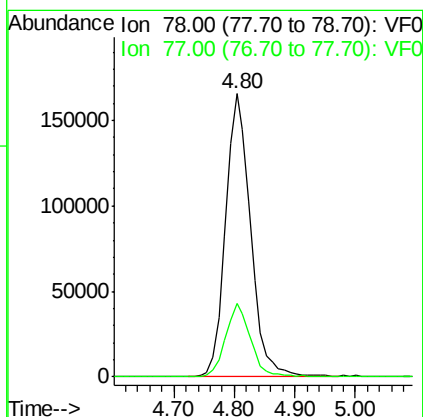
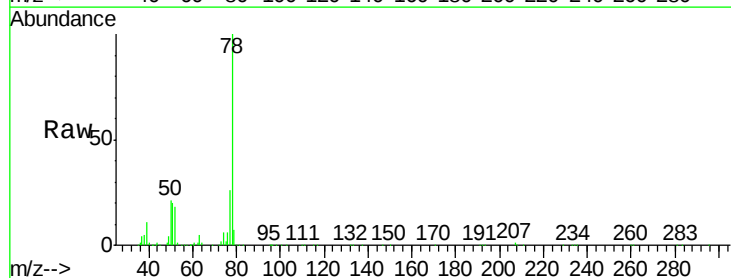
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

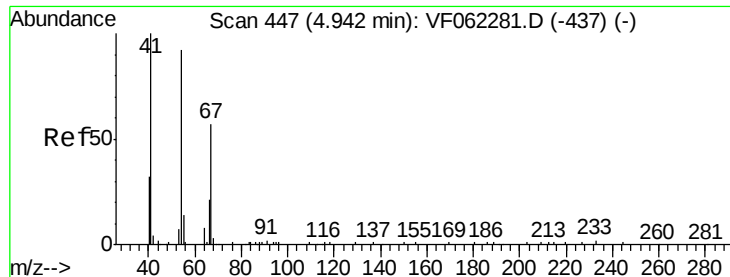
Tot Ion: 83 Resp: 229895
Ion Ratio Lower Upper
83 100
55 87.0 68.7 103.1
98 47.0 37.4 56.2



#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

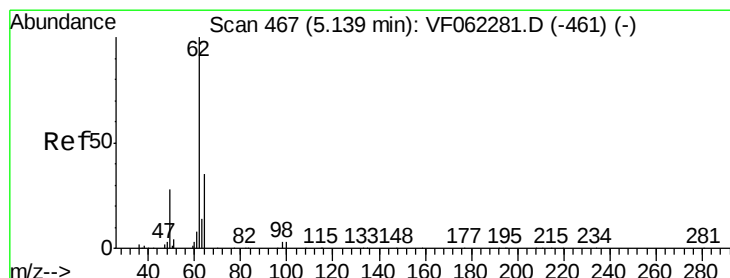
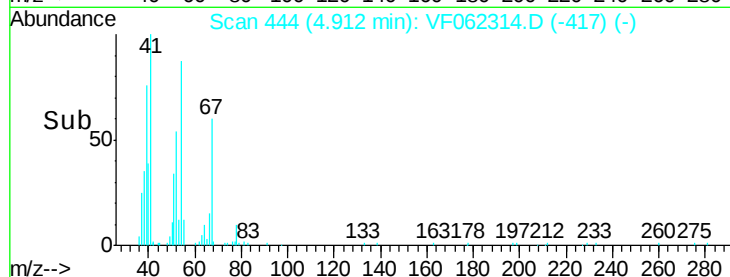
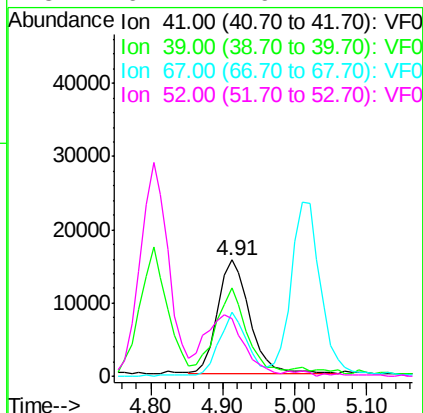
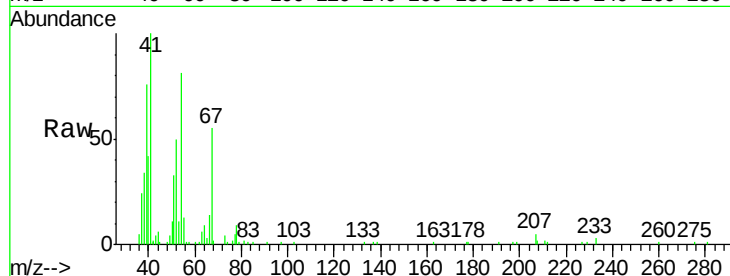




#41
Methacrylonitrile
Concen: 48.203 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.03 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

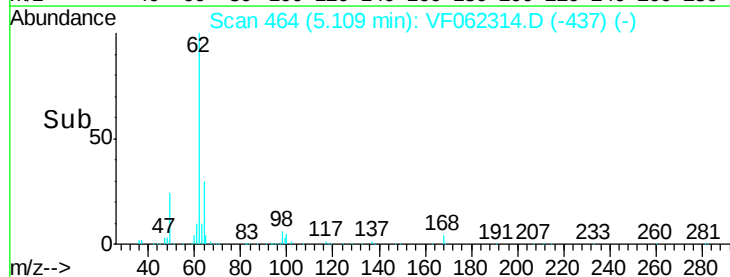
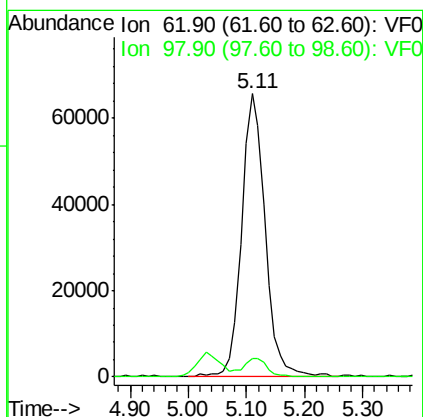
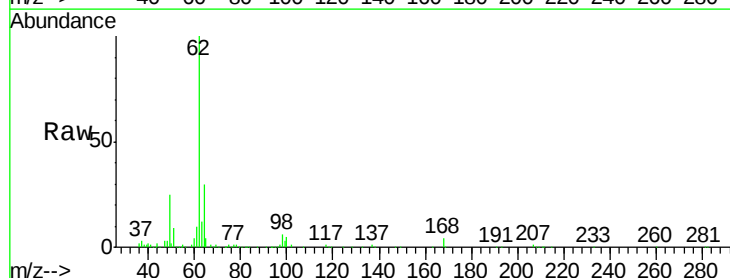
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

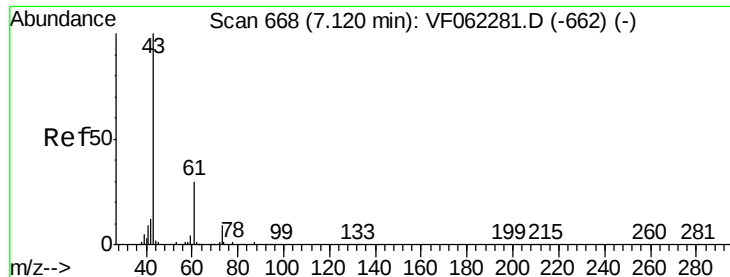
Tot Ion:	41	Resp:	47853
Ion	Ratio	Lower	Upper
41	100		
39	74.6	47.3	70.9#
67	50.7	41.3	61.9
52	67.4	49.4	74.2



#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



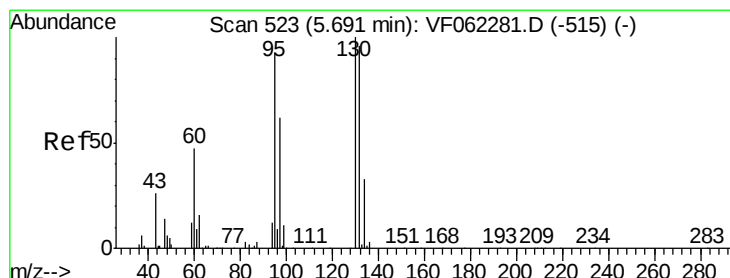
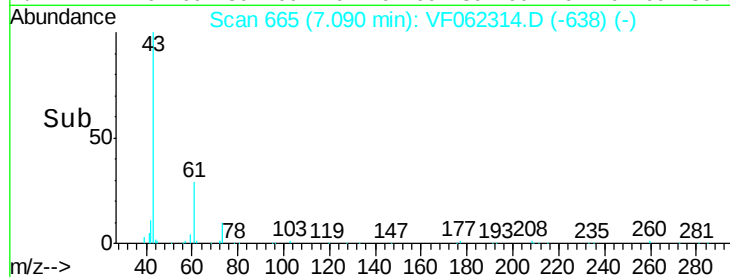
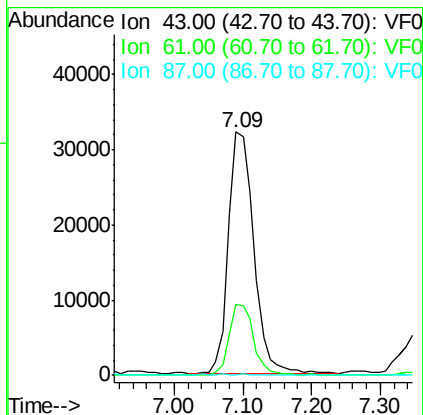
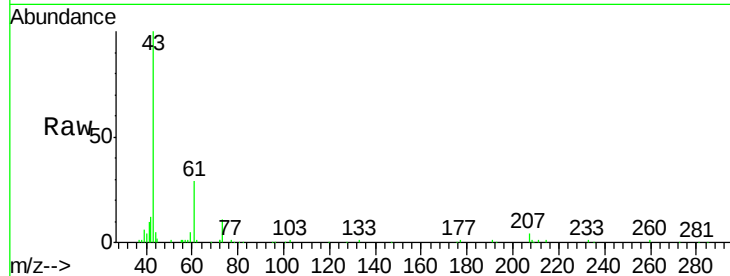


#43

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 :
 VSTDCCC050

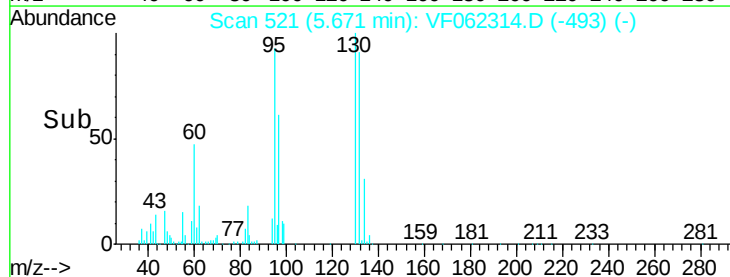
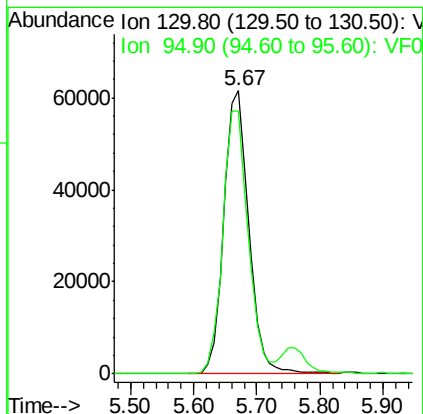
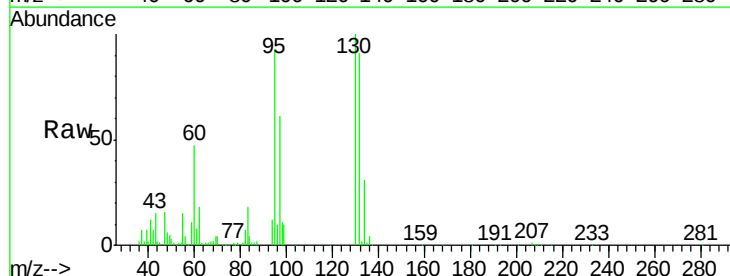
Tot Ion: 43 Resp: 82110
 Ion Ratio Lower Upper
 43 100
 61 28.6 23.8 35.6
 87 0.2 0.5 0.7#

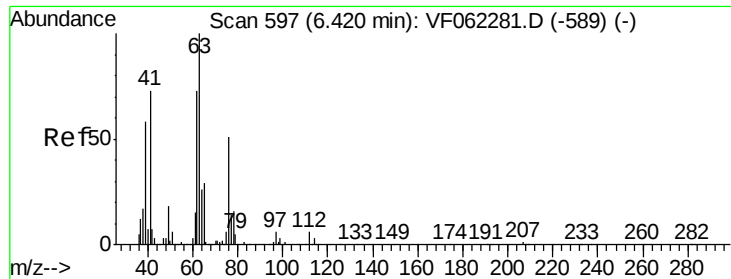


#44

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 :

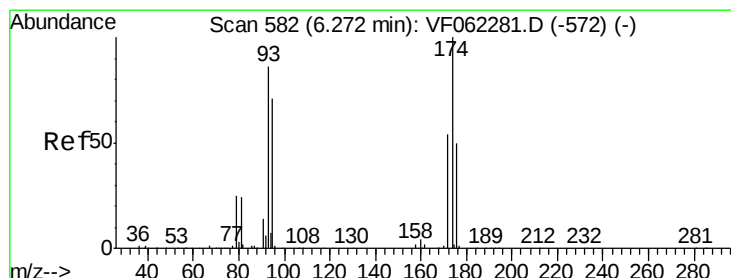
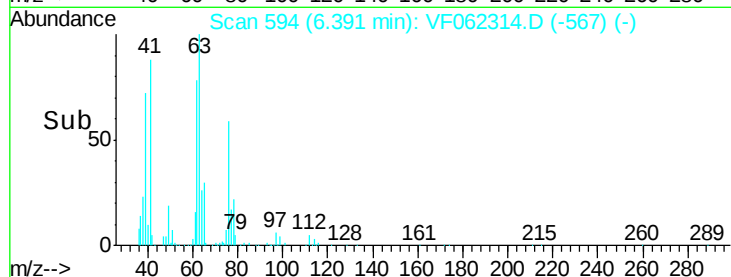
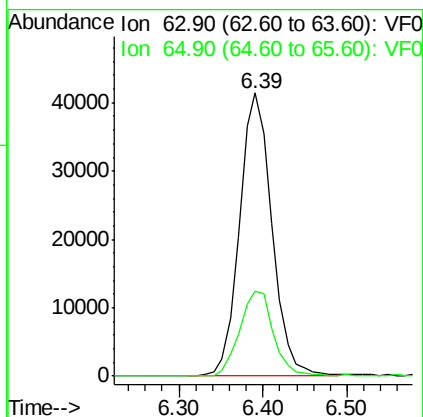
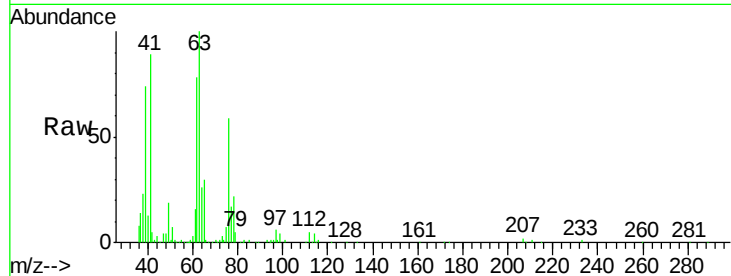
VSTDCCC050

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

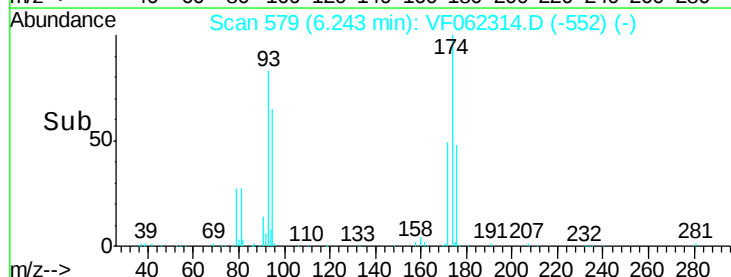
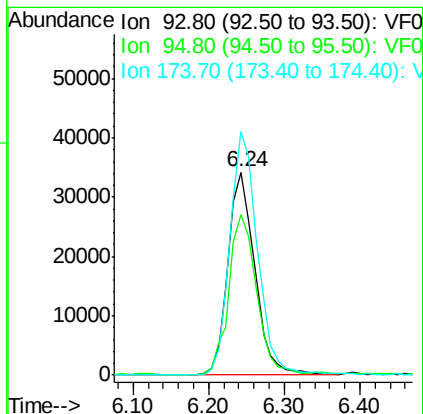
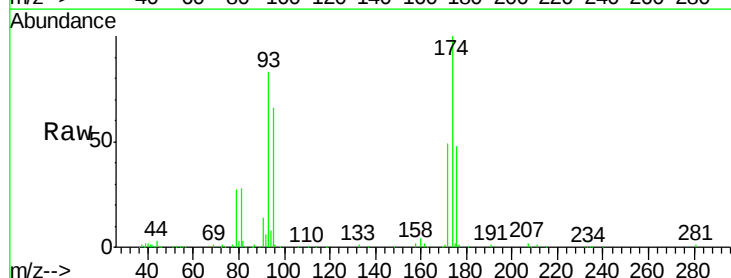
Tgt Ion: 93 Resp: 84287

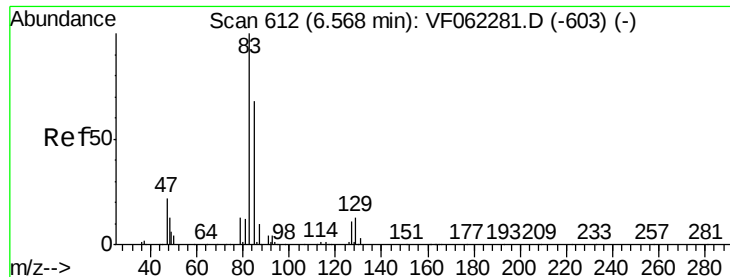
Ion Ratio Lower Upper

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 :

VSTDCCC050

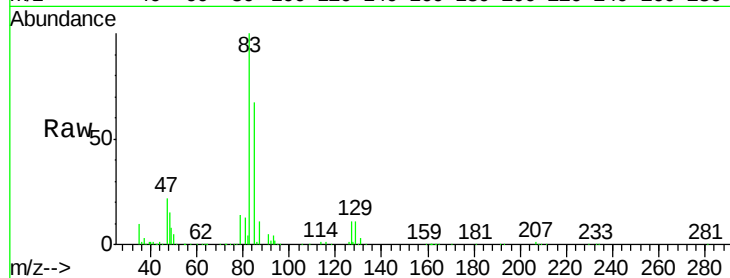
Tot Ion: 83 Resp: 210754

Ion	Ratio	Lower	Upper
83	100		
85	66.8	54.6	81.8
127	10.7	8.7	13.1

83 100

85 66.8 54.6 81.8

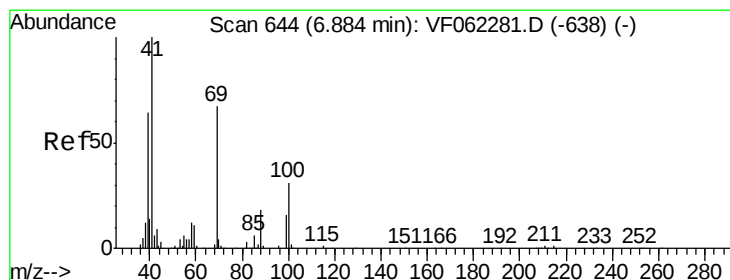
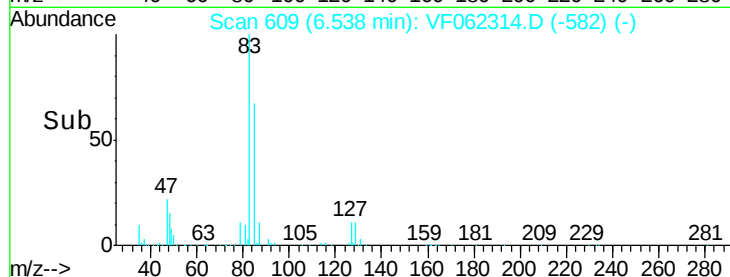
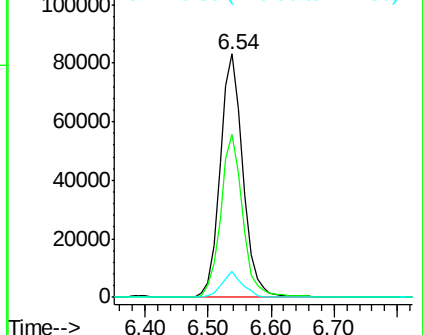
127 10.7 8.7 13.1



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

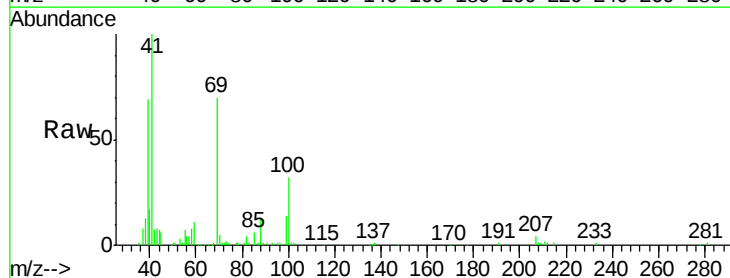
Tgt Ion: 41 Resp: 62075

Ion	Ratio	Lower	Upper
41	100		
69	66.3	53.4	80.2
39	73.0	50.9	76.3

41 100

69 66.3 53.4 80.2

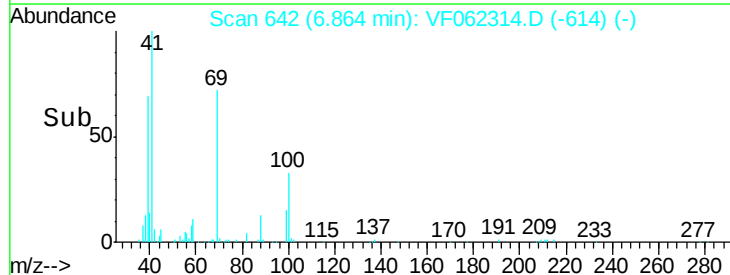
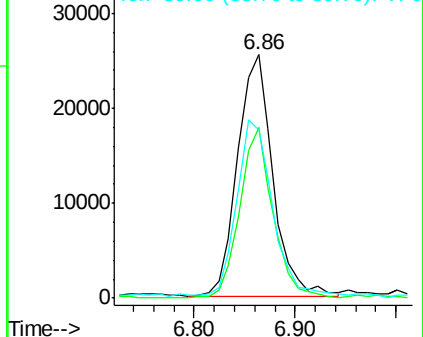
39 73.0 50.9 76.3

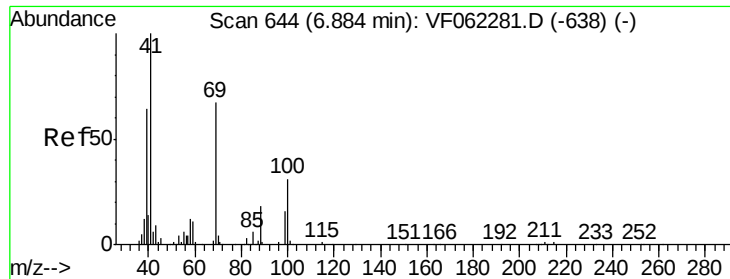


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

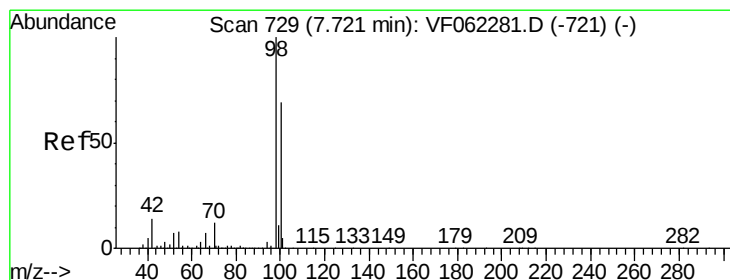
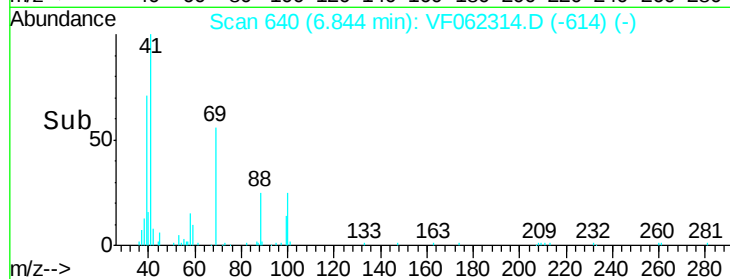
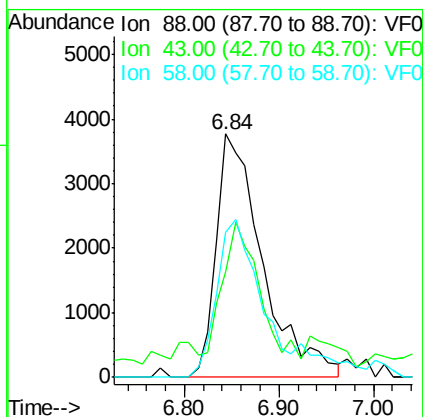
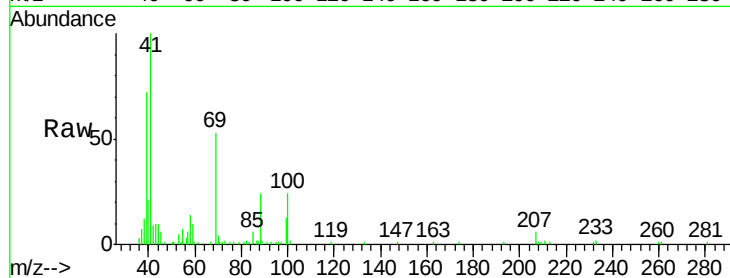




#49
 1,4-Dioxane
 Concen: 851.395 ug/l
 RT: 6.84 min Scan# 640
 Delta R.T. -0.04 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

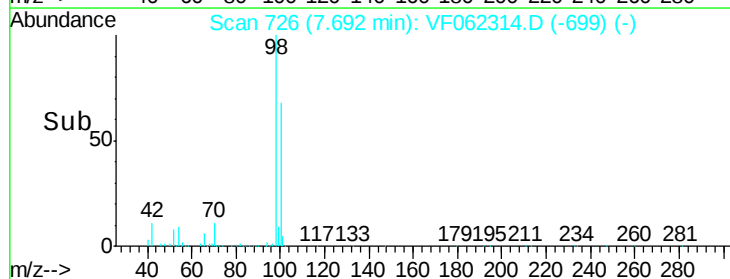
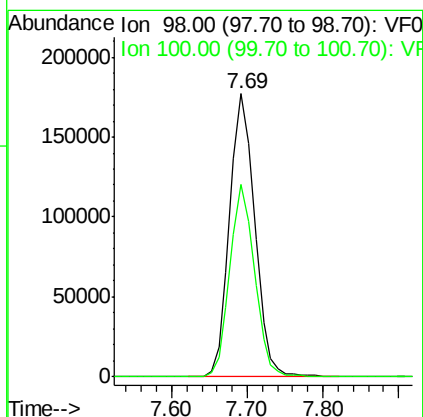
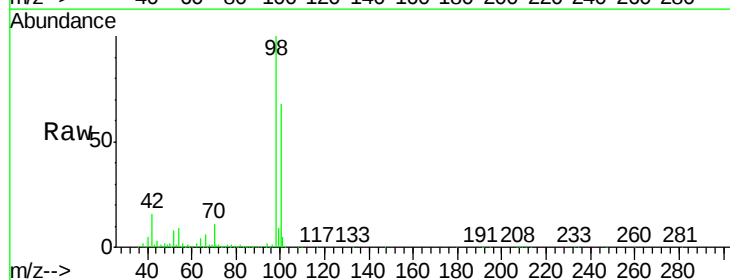
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

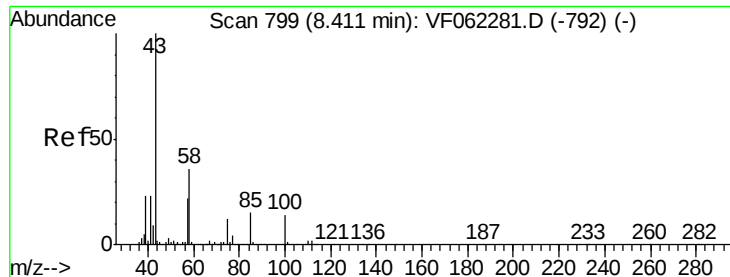
Tot Ion	88	Resp	12835
Ion Ratio	Lower	Upper	
88	100		
43	42.7	34.2	51.4
58	59.9	50.7	76.1



#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

ClientSampleId :

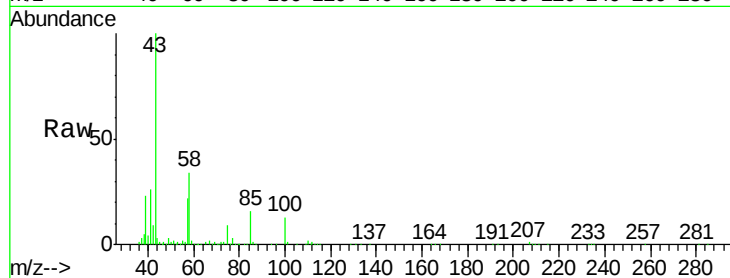
VSTDCCC050

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

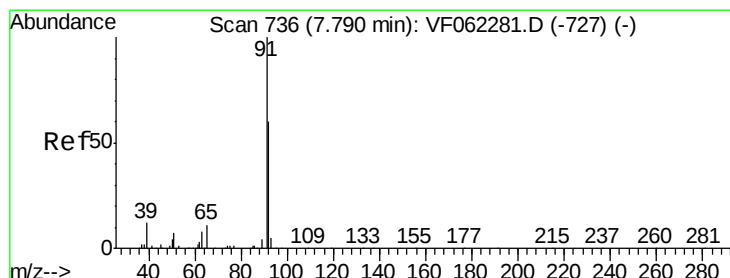
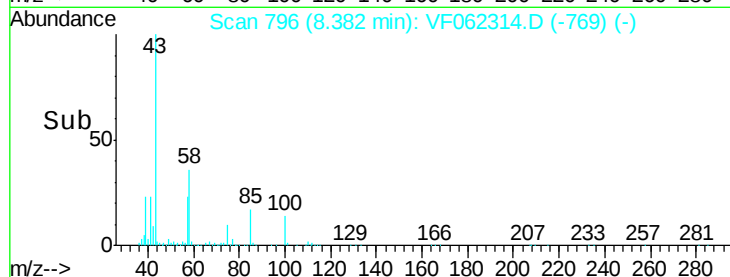
100000

50000

0

Time-->

8.30 8.40 8.50



#52

Toluene

Concen: 46.949 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.03 min

Lab File: VF062314.D

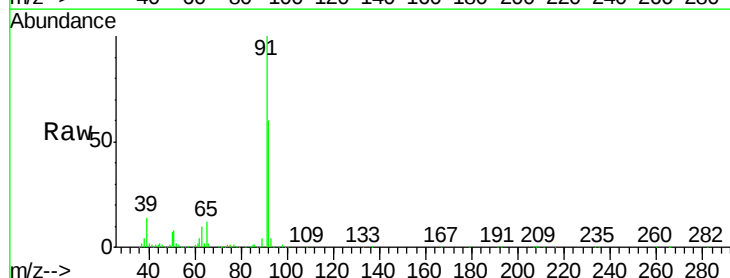
Acq: 29 Apr 2019 15:02

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

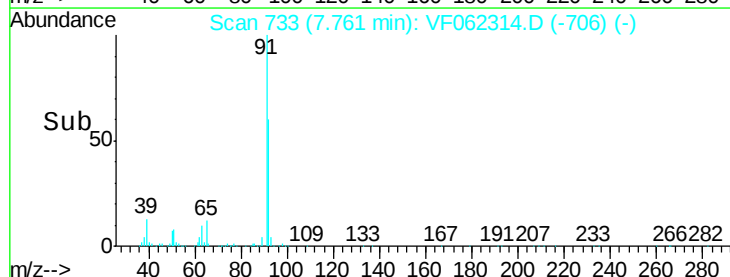
100000

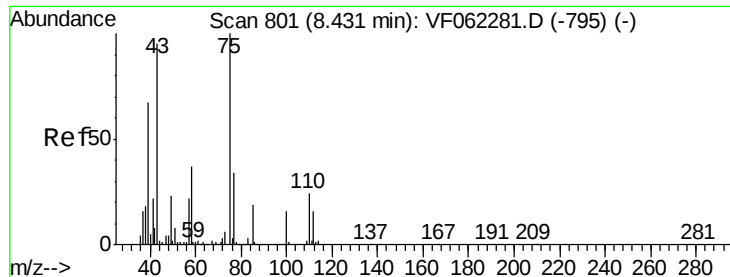
50000

0

Time-->

7.60 7.70 7.80 7.90

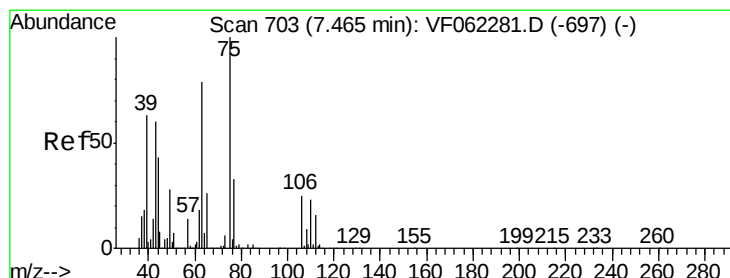
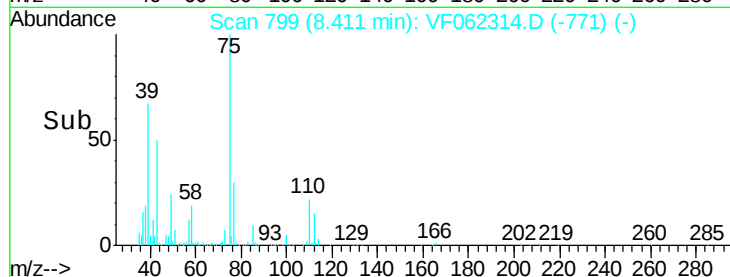
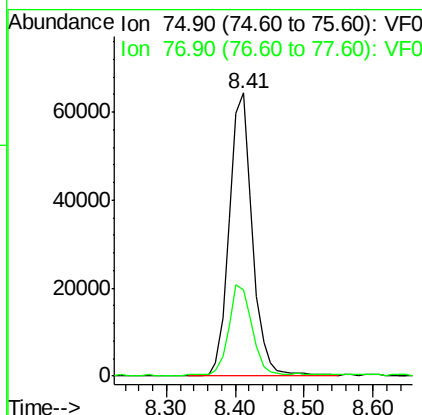
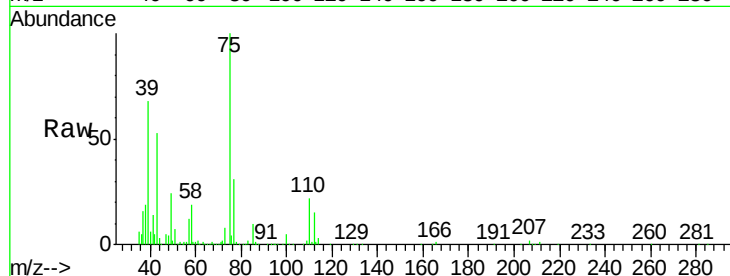




#53
 t-1,3-Dichloropropene
 Concen: 51.763 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

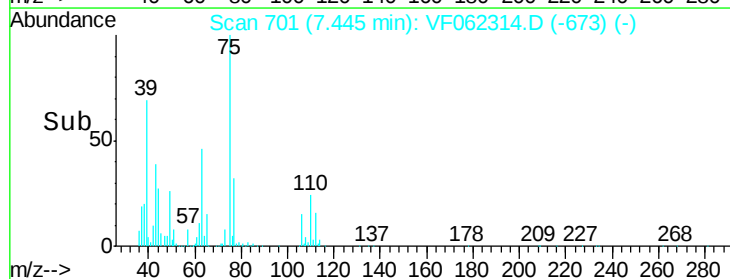
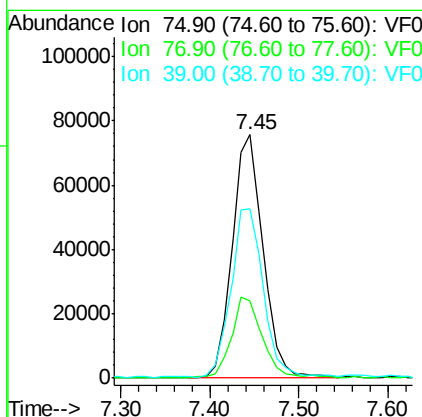
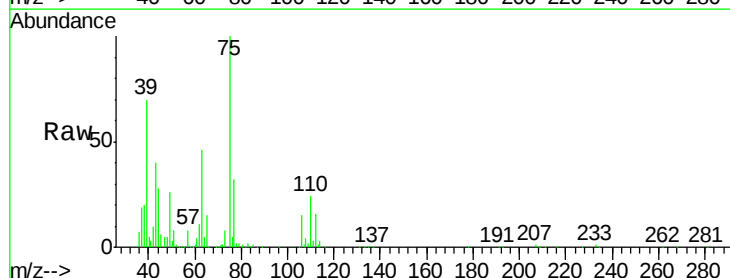
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

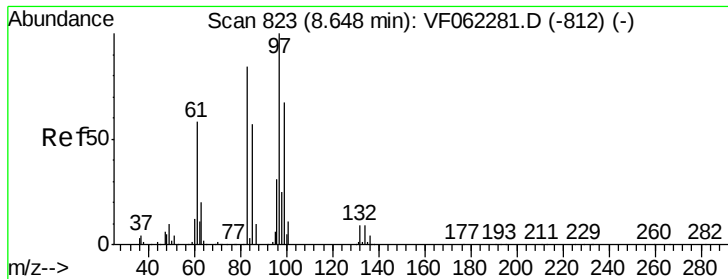
Tot Ion: 75 Resp: 149501
 Ion Ratio Lower Upper
 75 100
 77 30.1 26.9 40.3



#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





#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

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 86841

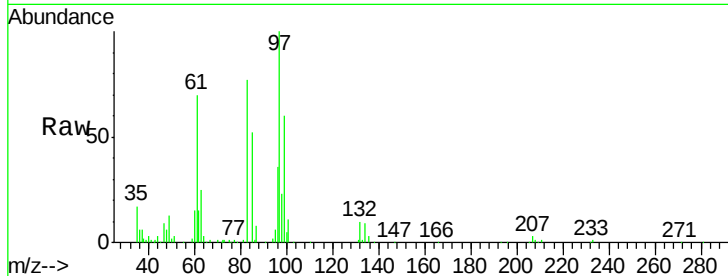
Ion Ratio Lower Upper

97 100

83 77.4 67.5 101.3

85 52.0 45.3 67.9

99 59.9 53.4 80.0

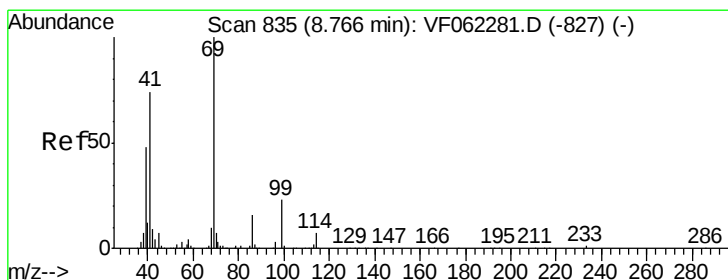
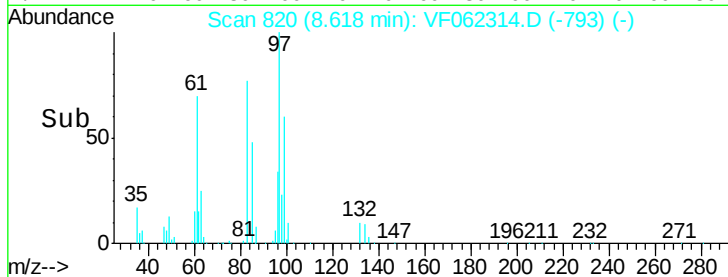
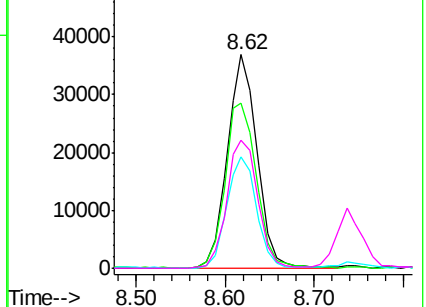


Abundance Ion 96.90 (96.60 to 97.60): VF0

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

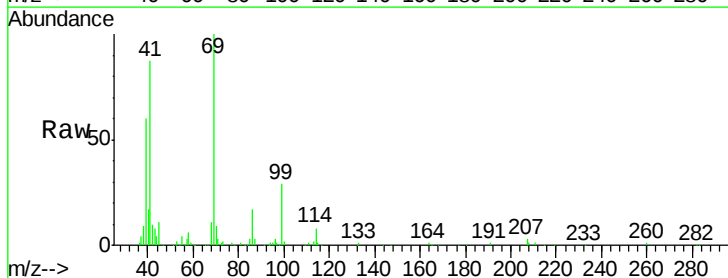
Tgt Ion: 69 Resp: 80044

Ion Ratio Lower Upper

69 100

41 84.2 61.5 92.3

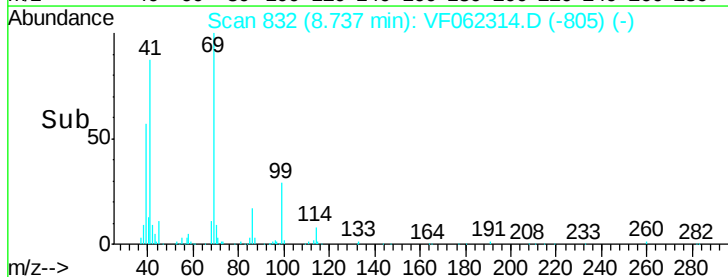
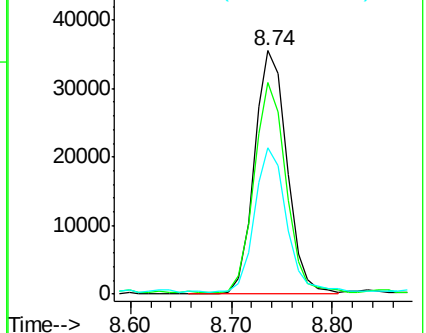
39 57.3 37.9 56.9#

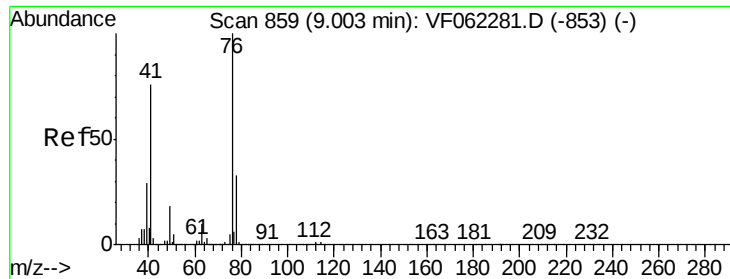


Abundance Ion 69.00 (68.70 to 69.70): VF0

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

ClientSampleId :

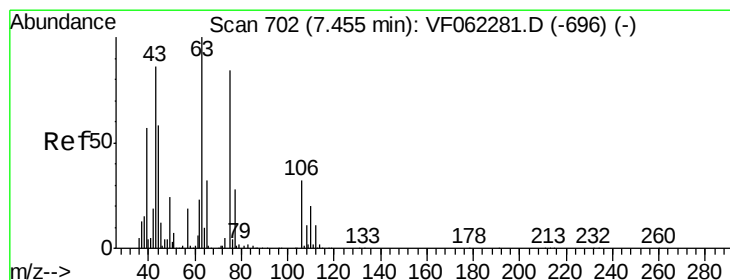
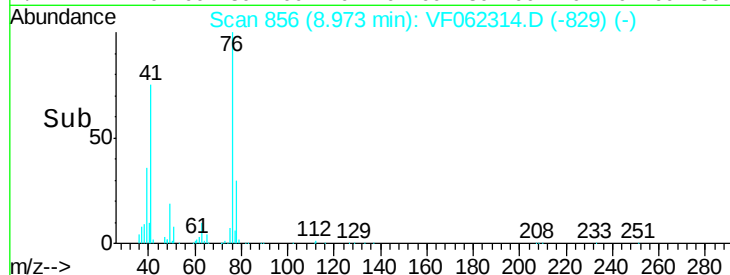
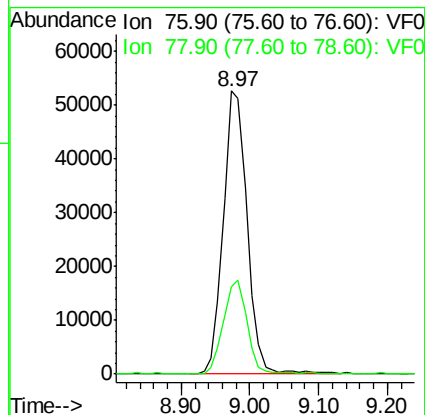
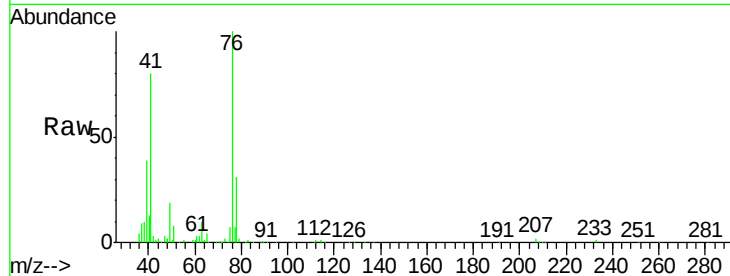
VSTDCCC050

Tot Ion: 76 Resp: 126349

Ion Ratio Lower Upper

76 100

78 32.1 27.0 40.6



#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

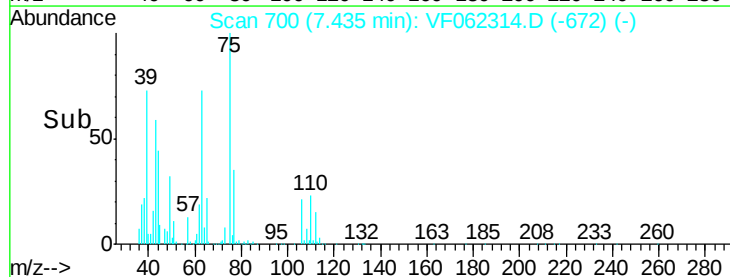
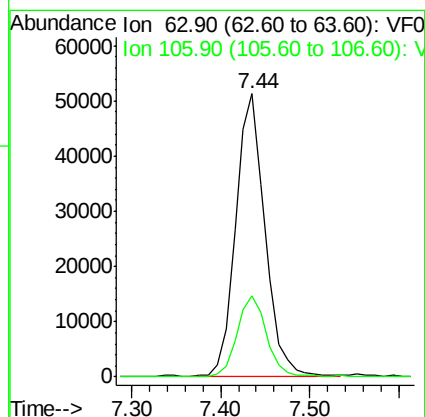
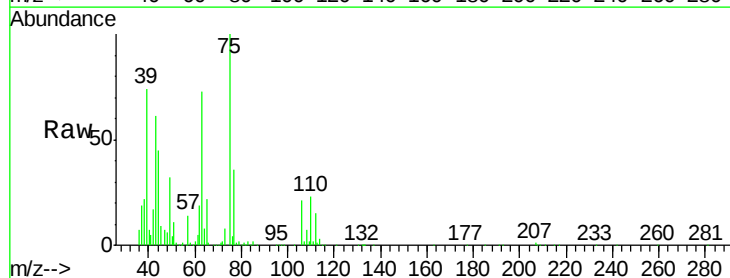
Acq: 29 Apr 2019 15:02

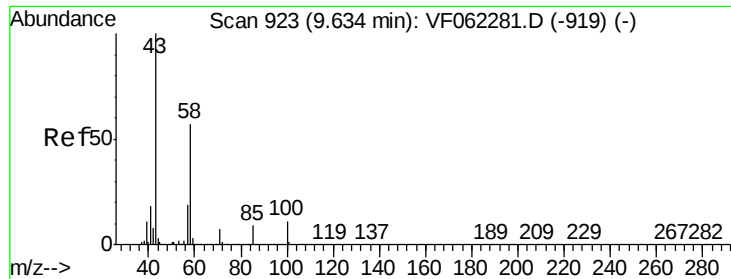
Tgt Ion: 63 Resp: 116492

Ion Ratio Lower Upper

63 100

106 29.0 24.7 37.1

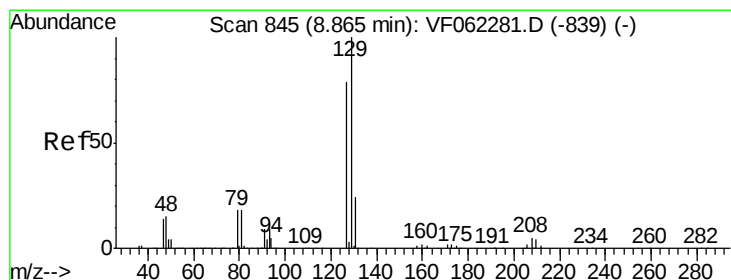
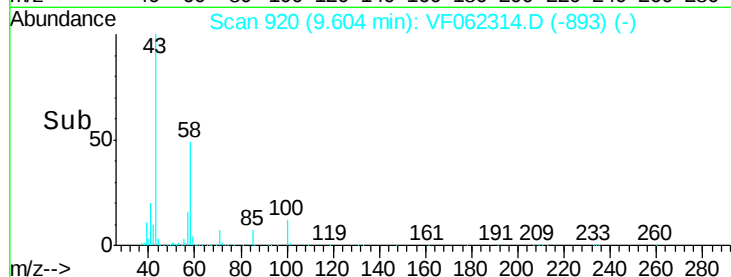
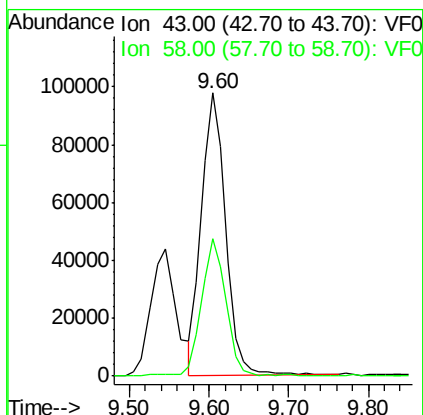
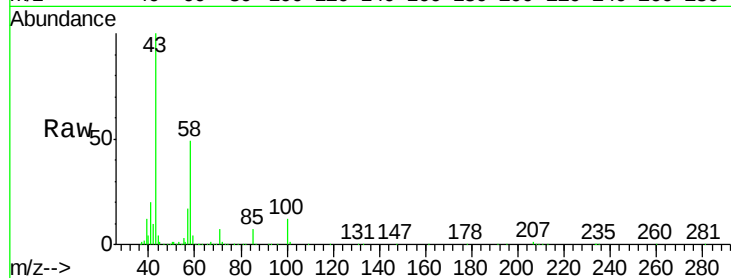




#59
2-Hexanone
Concen: 238.180 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.03 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

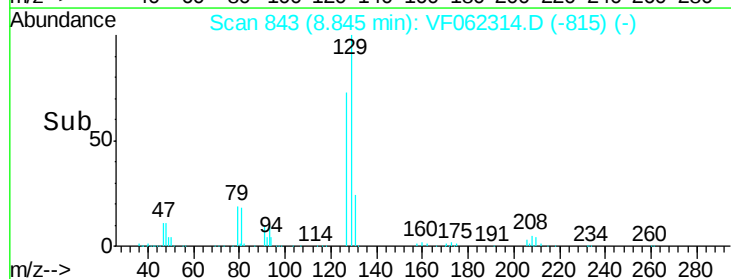
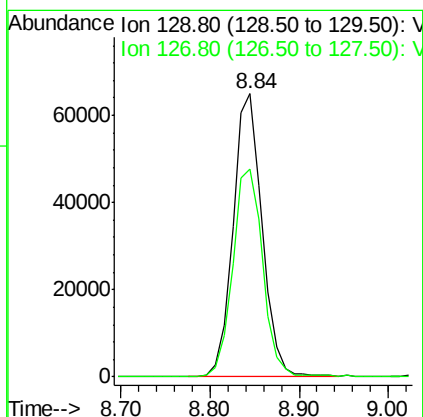
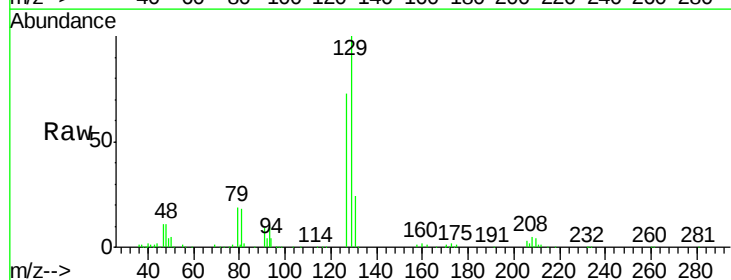
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

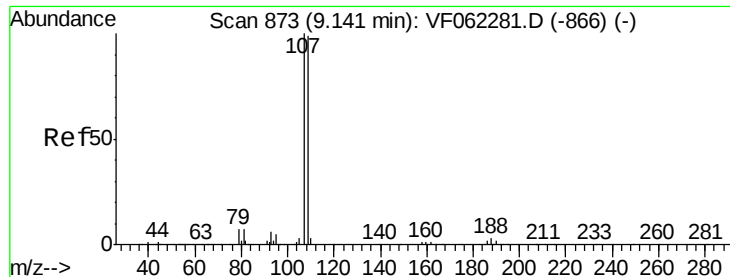
Tot Ion: 43 Resp: 205278
Ion Ratio Lower Upper
43 100
58 49.4 24.9 74.7



#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 :

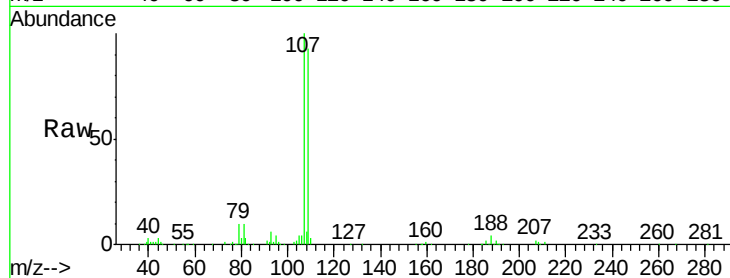
VSTDCCC050

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

50000

40000

30000

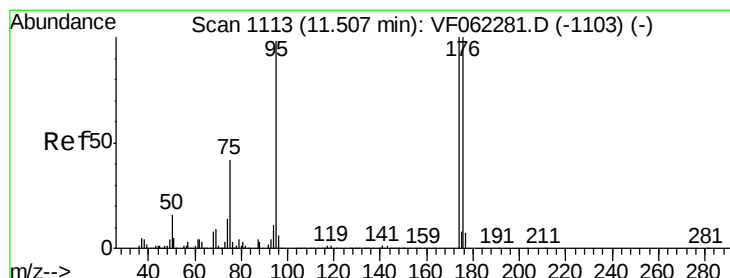
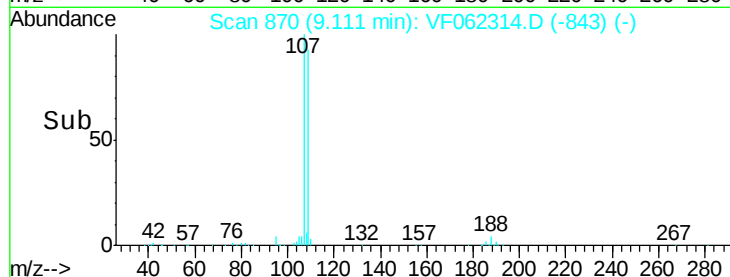
20000

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

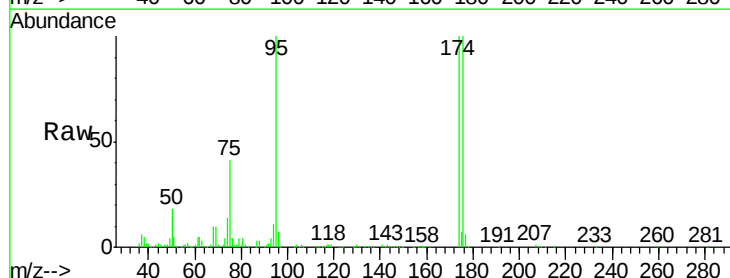
Tgt Ion: 95 Resp: 173772

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

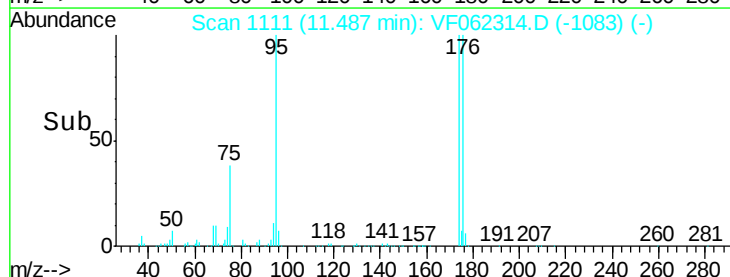
100000

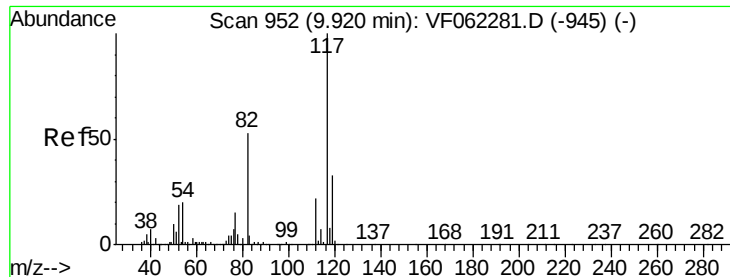
50000

0

Time-->

11.40 11.50

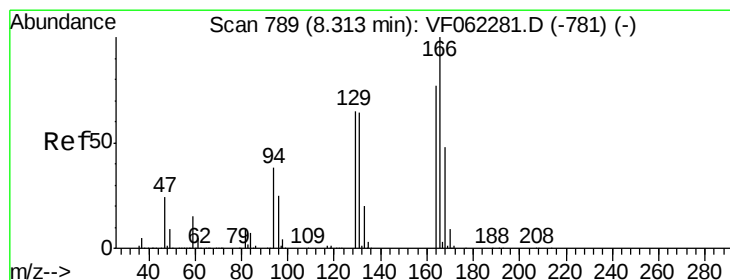
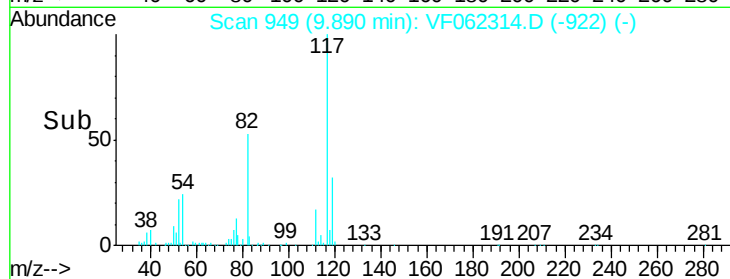
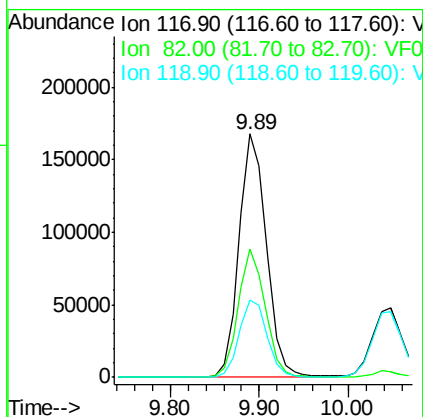
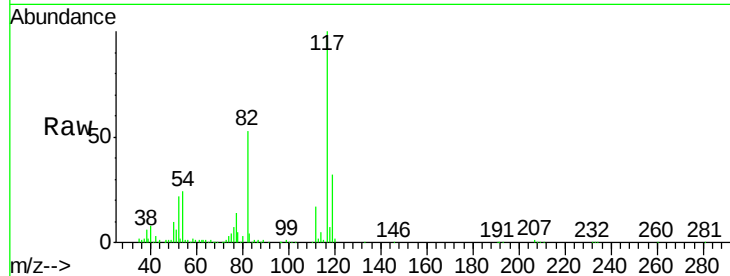




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 949
Delta R.T. -0.03 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

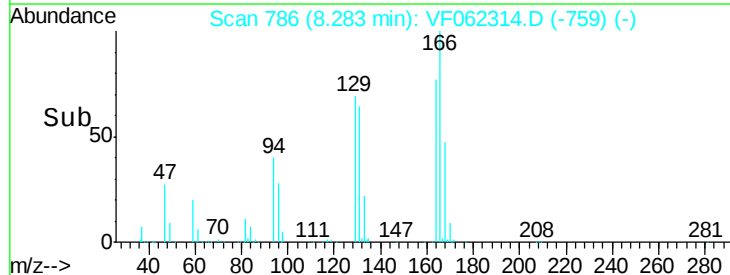
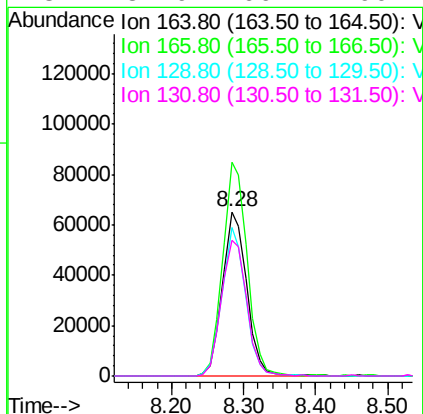
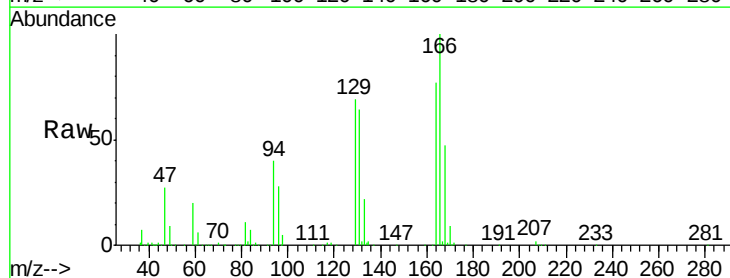
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

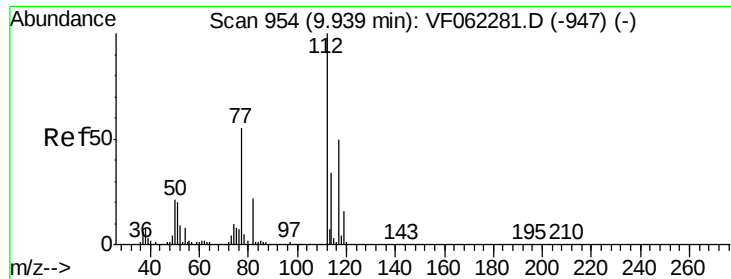
Tot Ion:117 Resp: 359688
Ion Ratio Lower Upper
117 100
82 52.9 42.6 64.0
119 31.6 26.1 39.1



#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

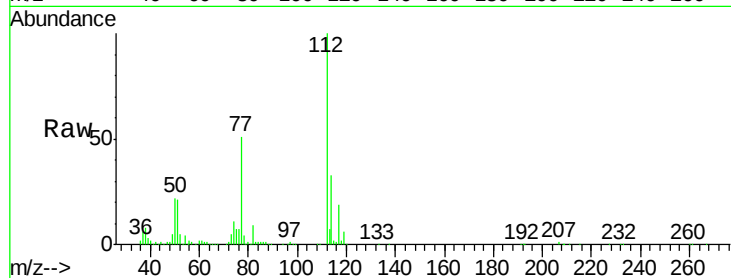




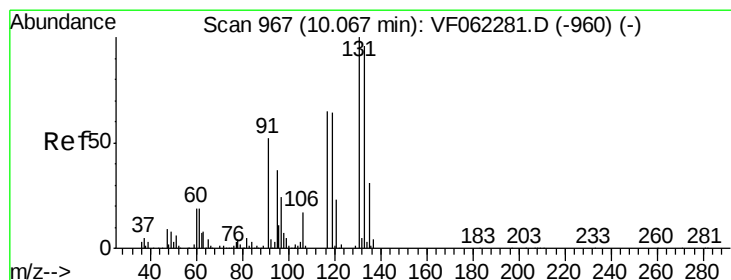
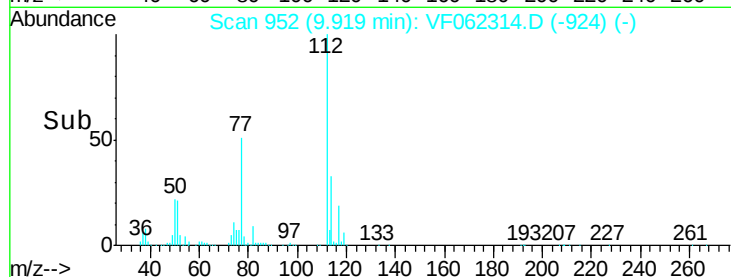
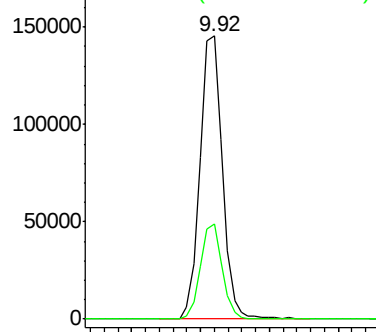
#65
Chlorobenzene
Concen: 49.986 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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

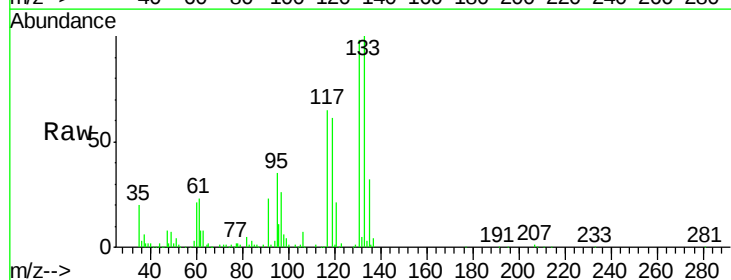


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

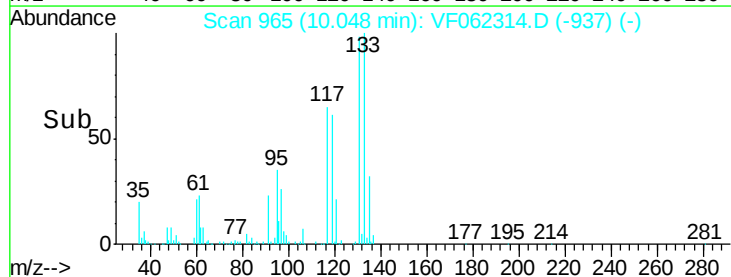
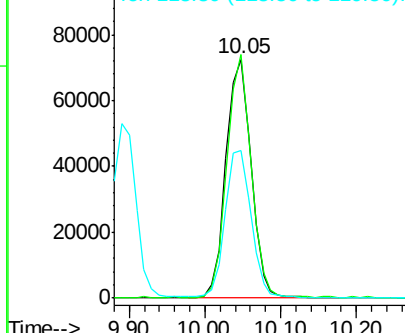


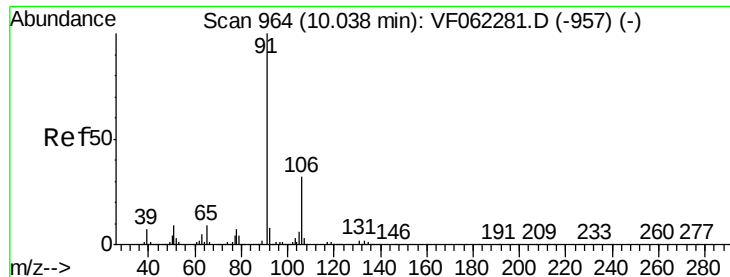
#66
1,1,1,2-Tetrachloroethane
Concen: 54.187 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

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



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 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

ClientSampleId :

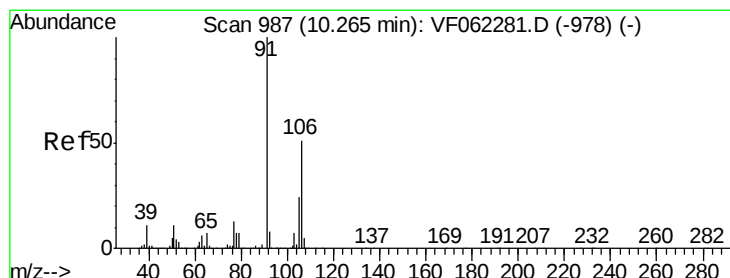
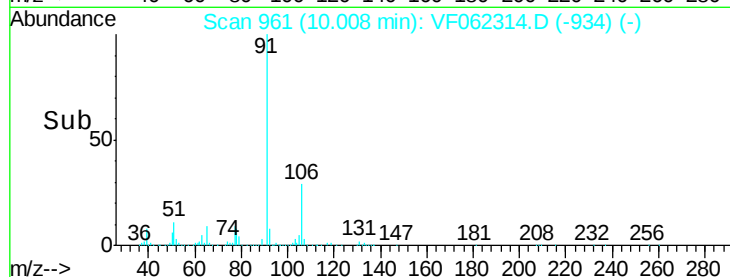
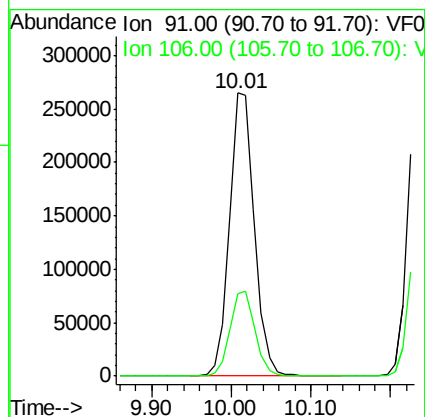
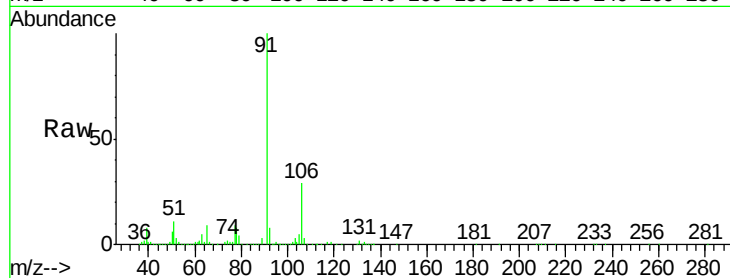
VSTDCCC050

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

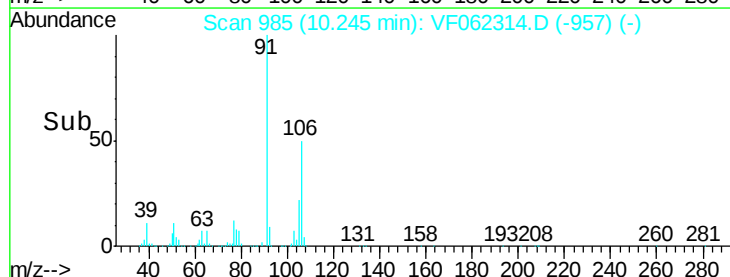
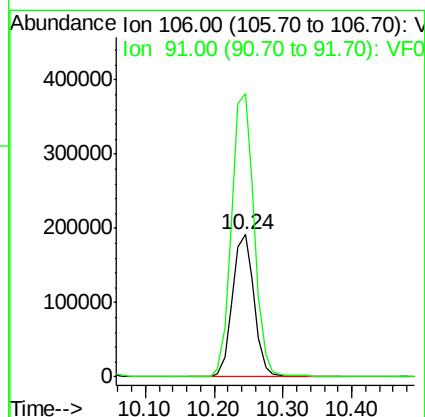
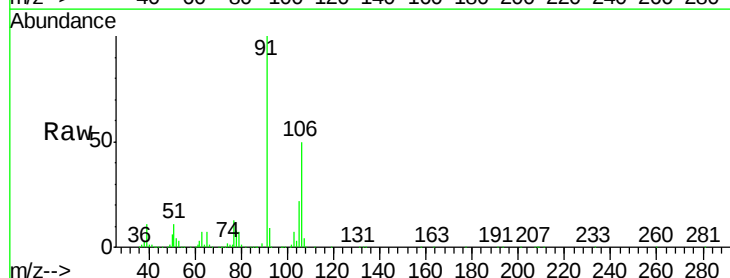
Acq: 29 Apr 2019 15:02

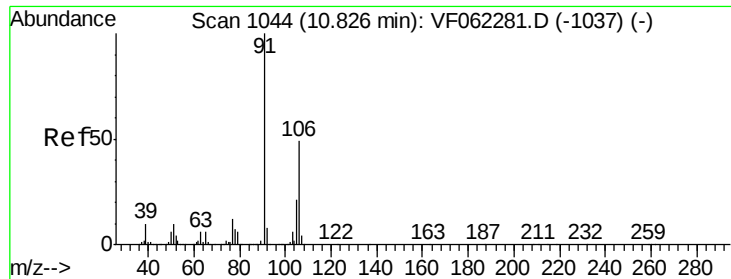
Tgt Ion: 106 Resp: 417177

Ion Ratio Lower Upper

106 100

91 205.9 158.3 237.5

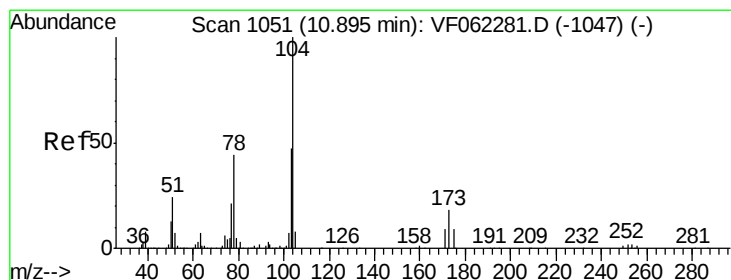
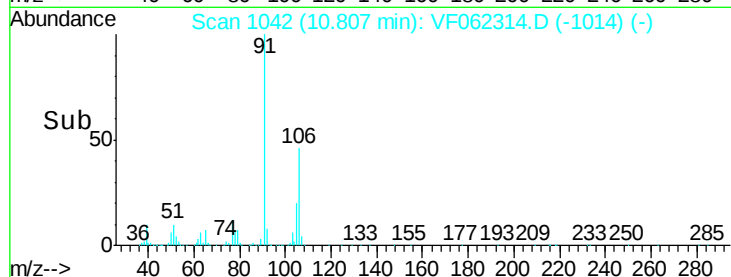
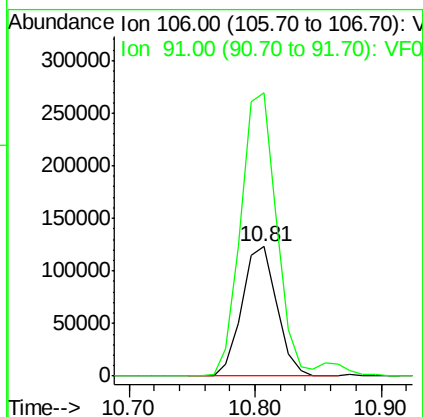
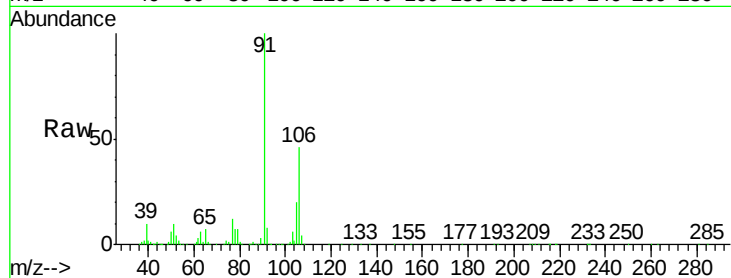




#69
o-Xylene
Concen: 50.195 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

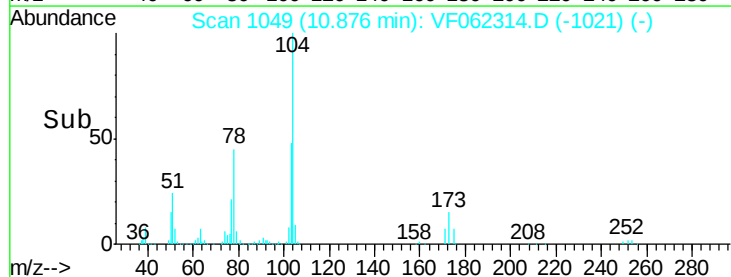
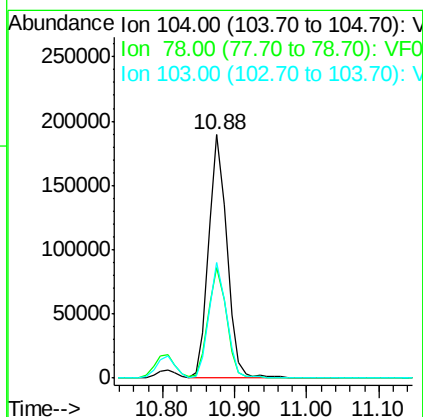
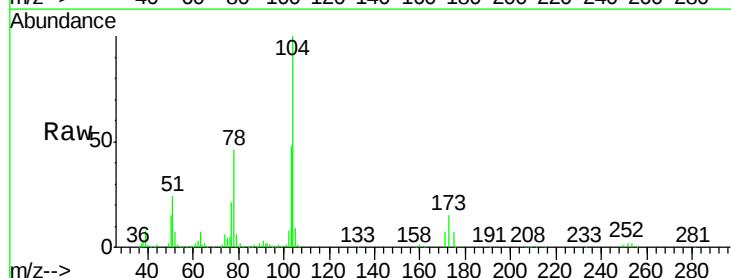
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

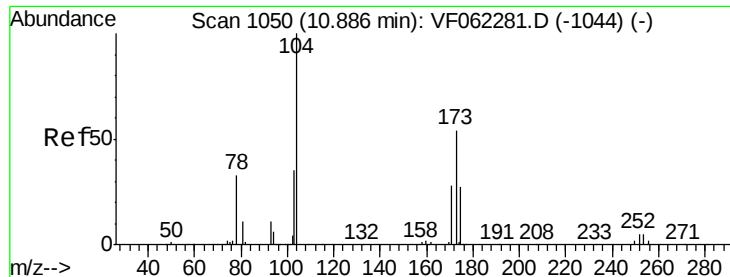
Tot Ion:106 Resp: 238583
Ion Ratio Lower Upper
106 100
91 222.4 110.0 330.0



#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 :

VSTDCCC050

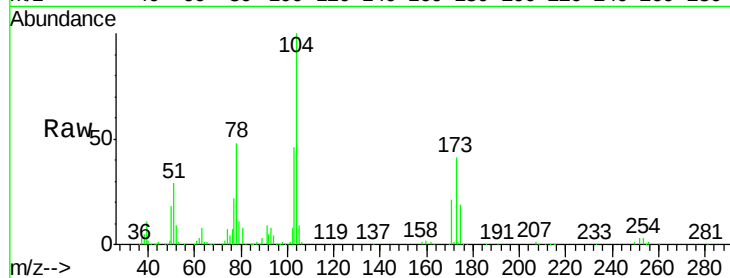
Tot Ion:173 Resp: 89697

Ion Ratio Lower Upper

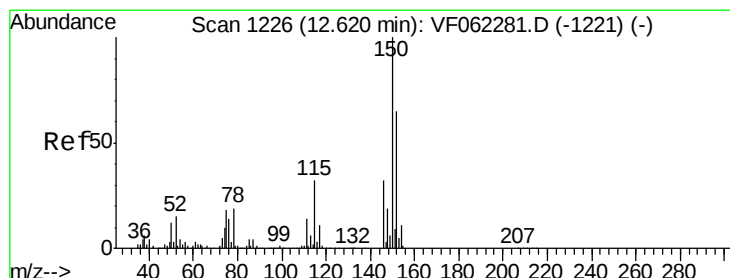
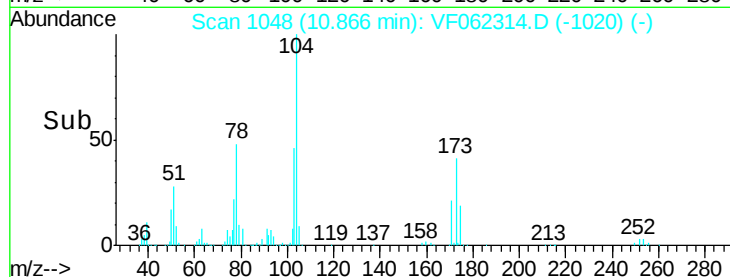
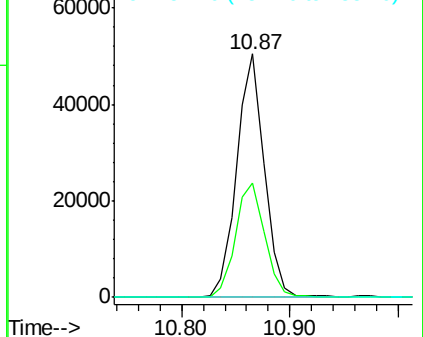
173 100

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

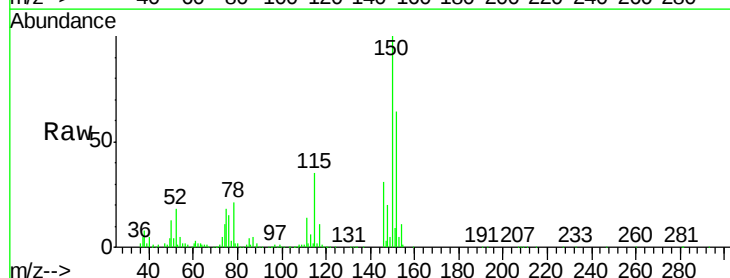
Tgt Ion:152 Resp: 206236

Ion Ratio Lower Upper

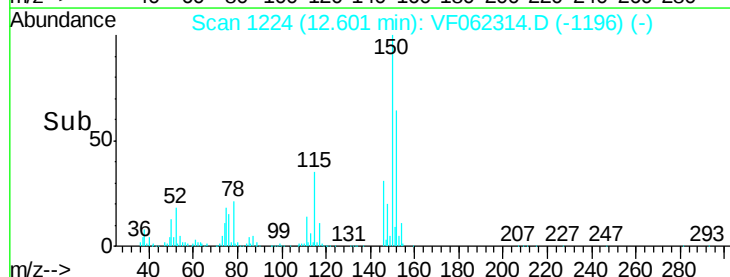
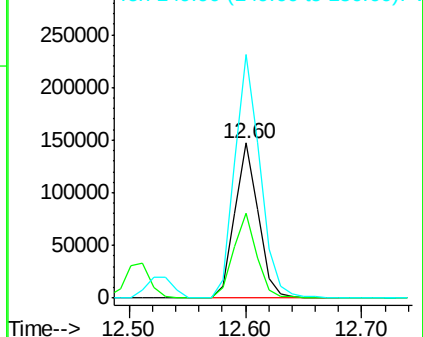
152 100

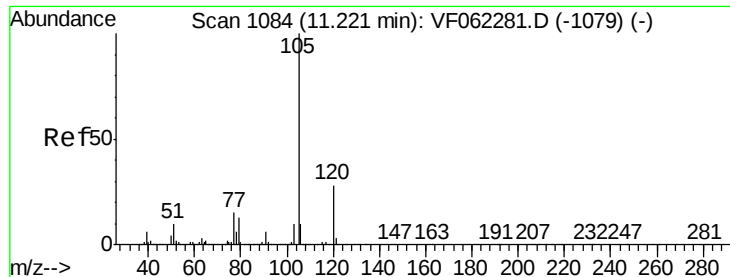
115 54.2 25.6 76.8

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 :

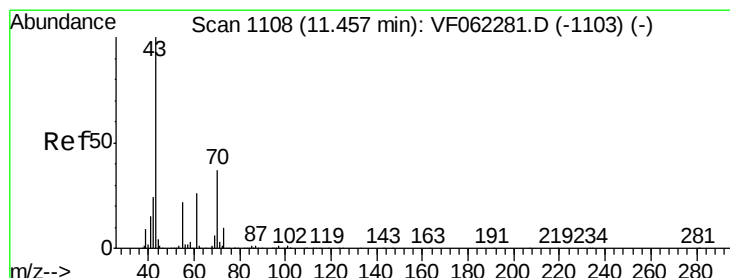
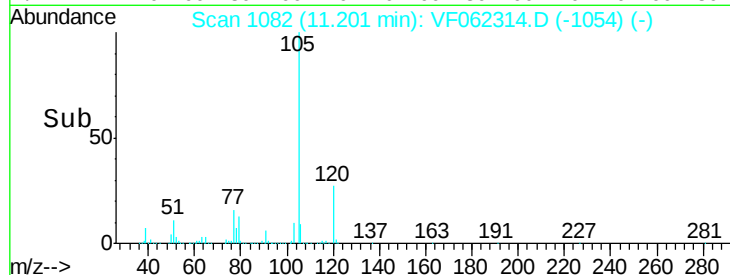
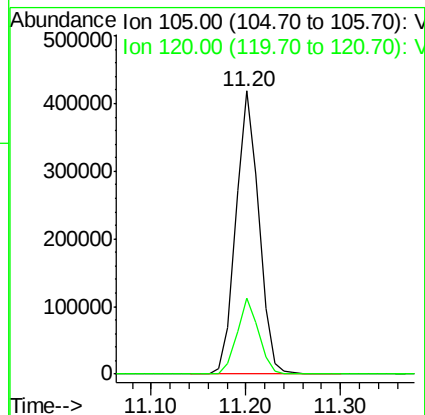
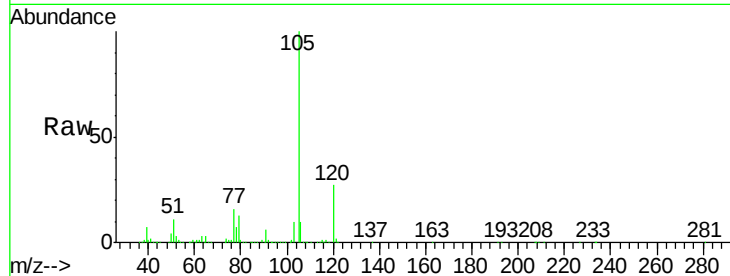
VSTDCCC050

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

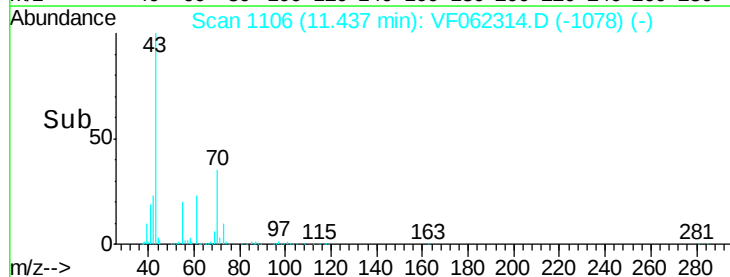
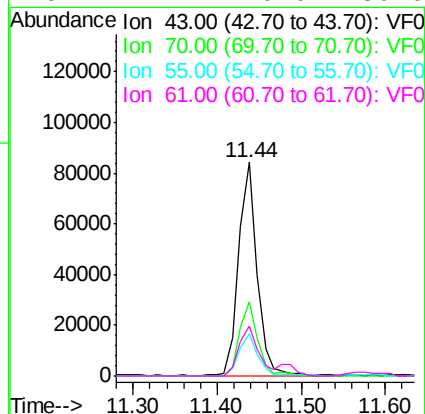
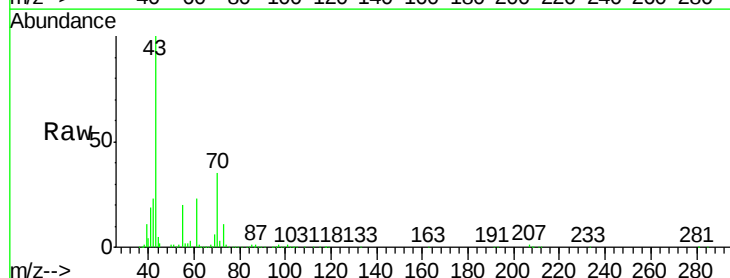
Ion Ratio Lower Upper

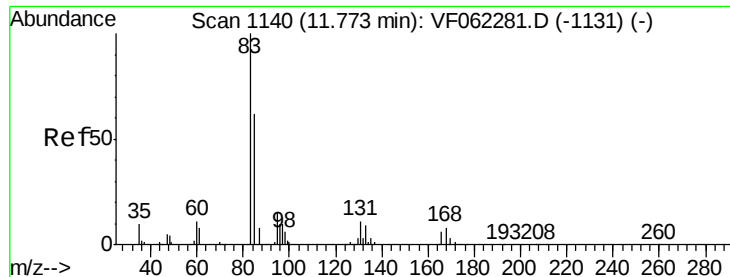
43 100

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 :

VSTDCCC050

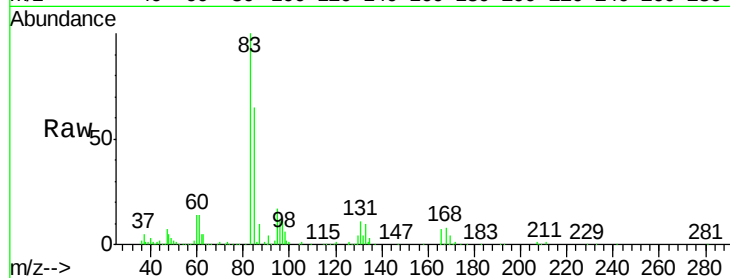
Tot Ion: 83 Resp: 109495

Ion Ratio Lower Upper

83 100

131 11.8 5.5 16.5

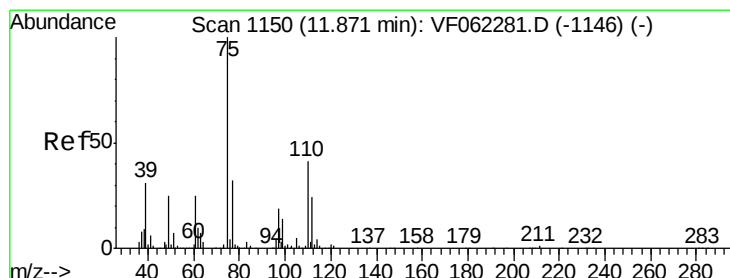
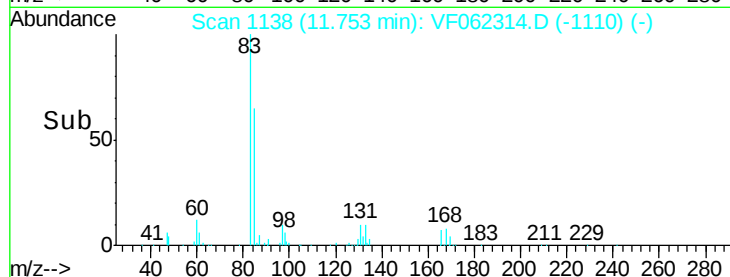
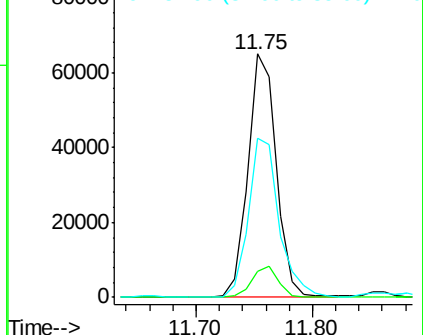
85 71.3 34.5 103.6



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

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

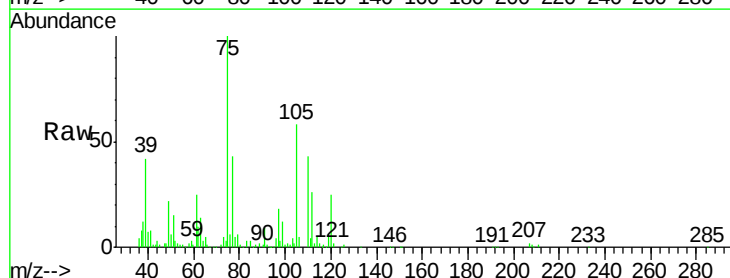
Acq: 29 Apr 2019 15:02

Tgt Ion: 75 Resp: 78827

Ion Ratio Lower Upper

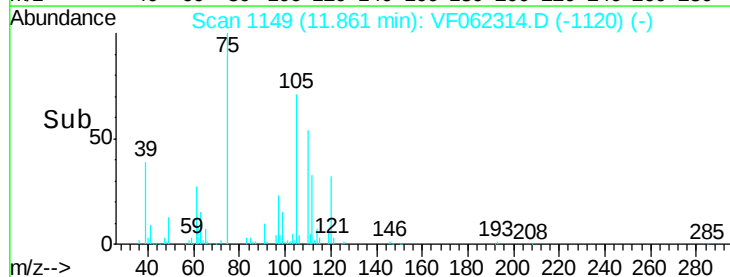
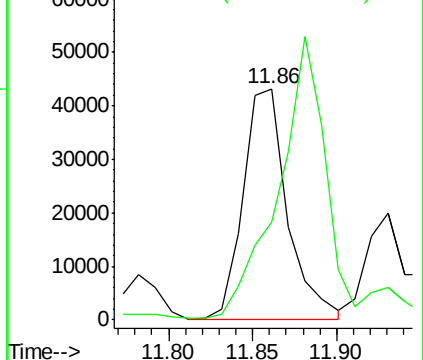
75 100

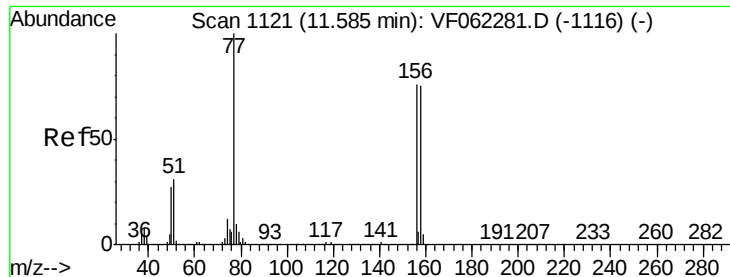
77 141.1 0.0 0.0#



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 :

VSTDCCC050

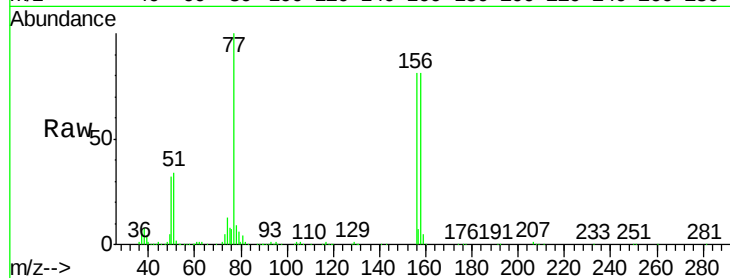
Tot Ion:156 Resp: 172824

Ion Ratio Lower Upper

156 100

77 129.9 67.3 201.9

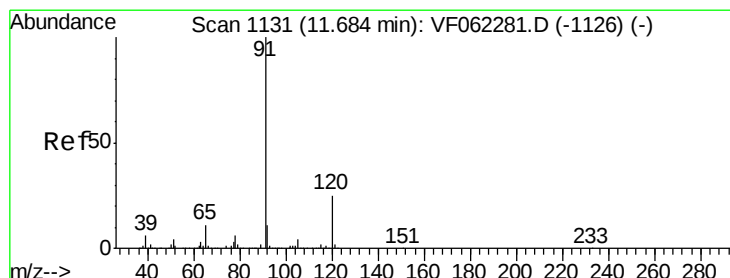
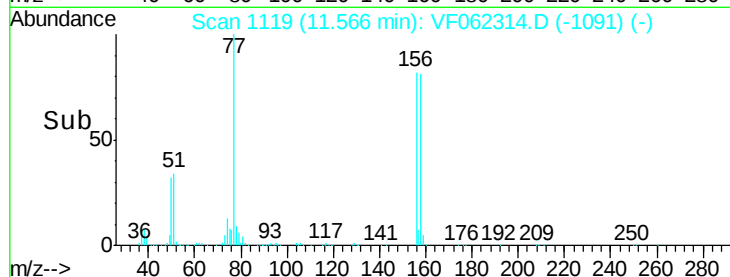
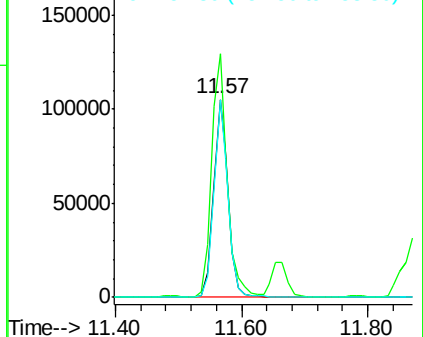
158 97.3 49.5 148.5



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

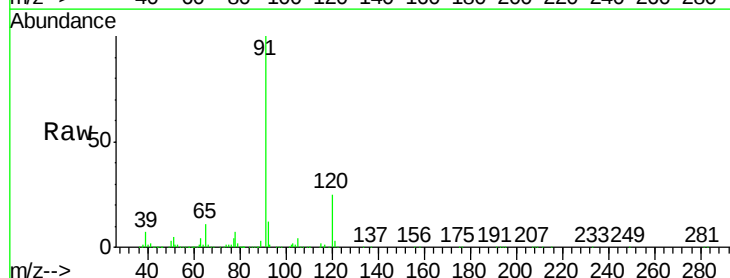
Acq: 29 Apr 2019 15:02

Tgt Ion: 91 Resp: 728179

Ion Ratio Lower Upper

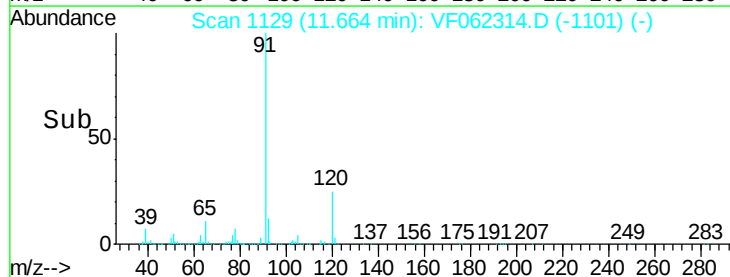
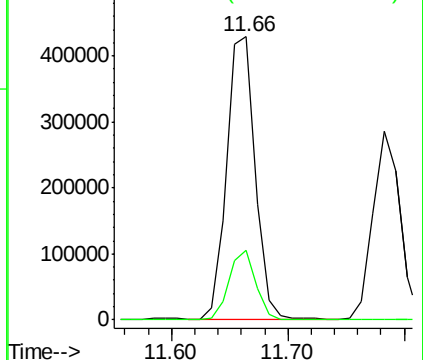
91 100

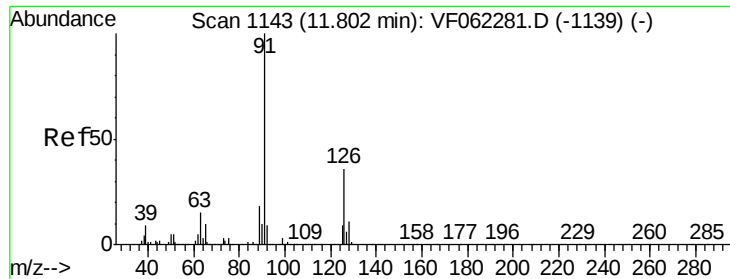
120 23.0 11.8 35.4



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 :

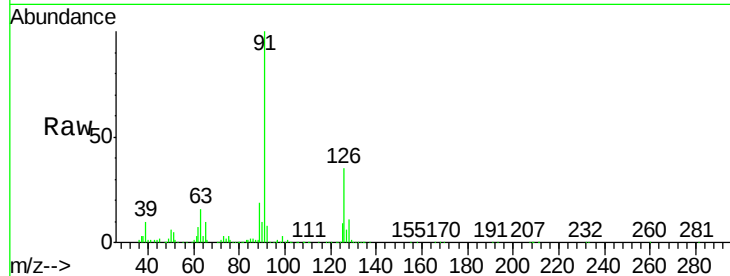
VSTDCCC050

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

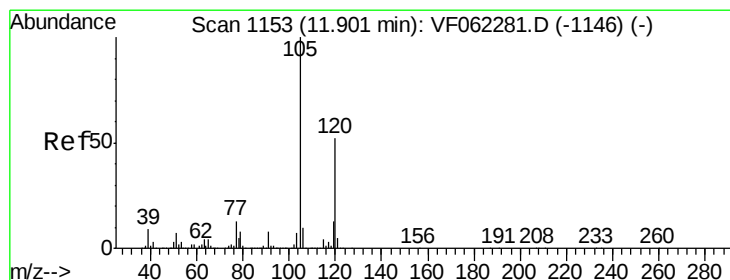
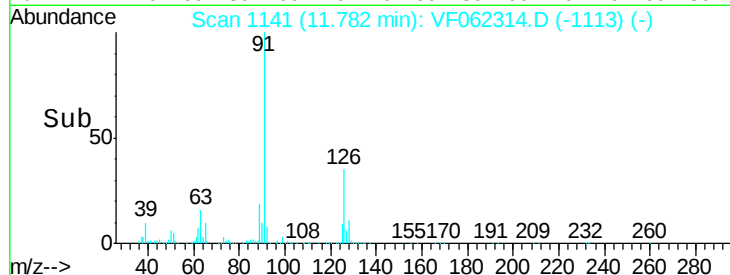
300000

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

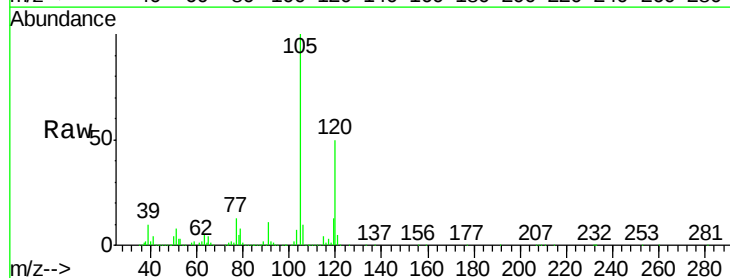
Acq: 29 Apr 2019 15:02

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

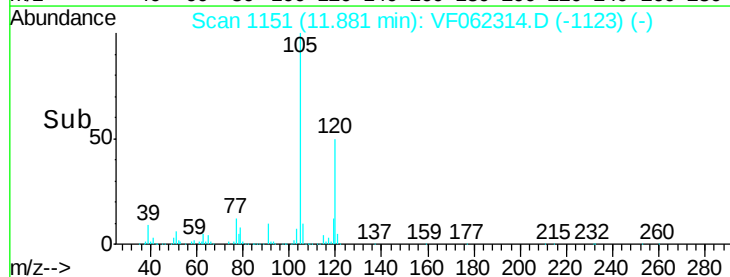
300000

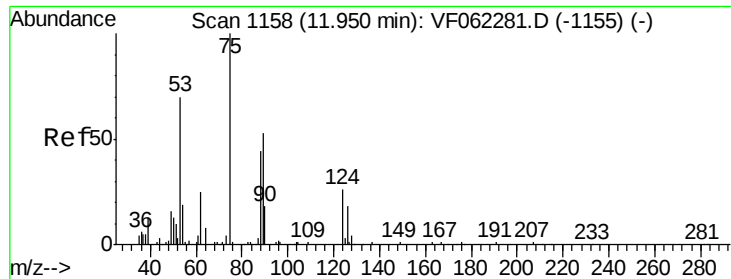
200000

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 :

VSTDCCC050

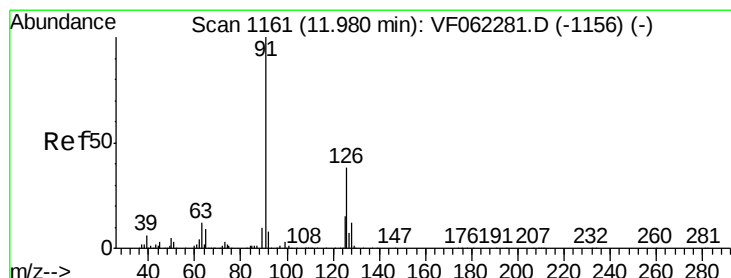
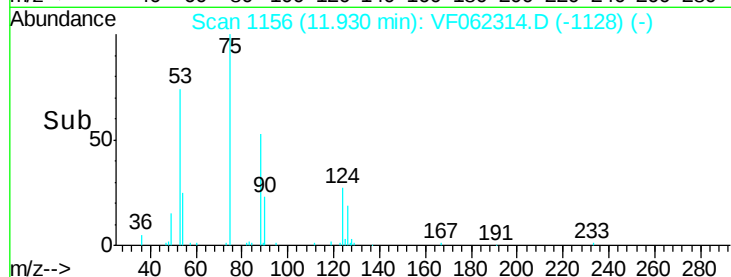
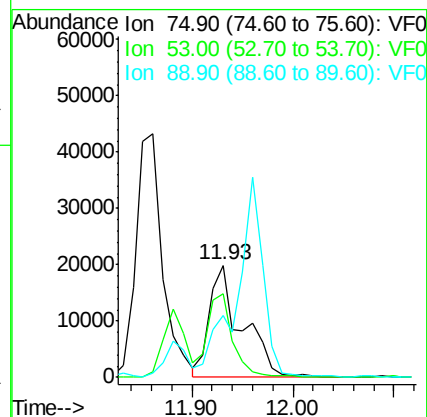
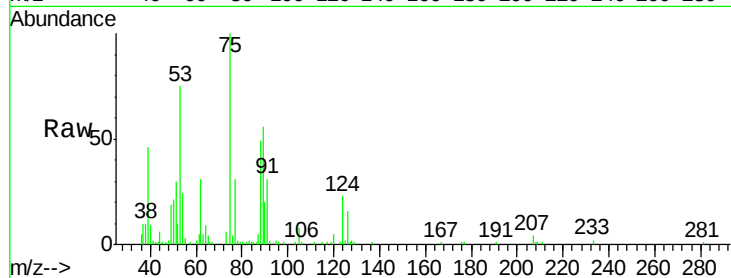
Tot Ion: 75 Resp: 44892

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

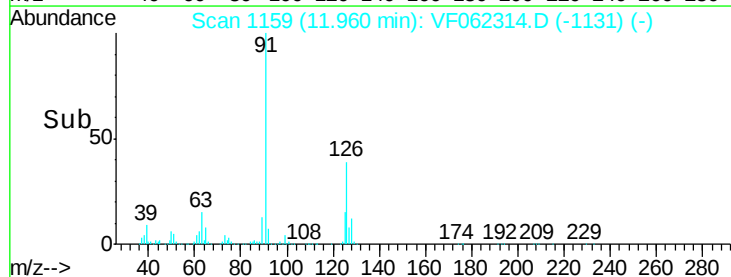
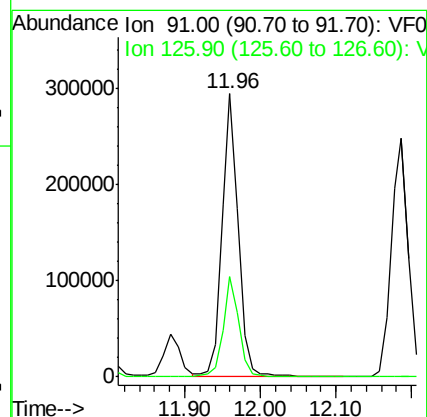
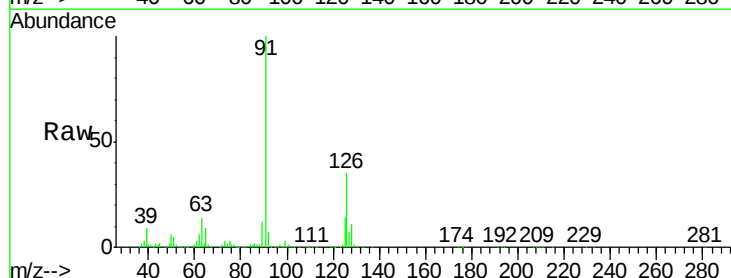
Acq: 29 Apr 2019 15:02

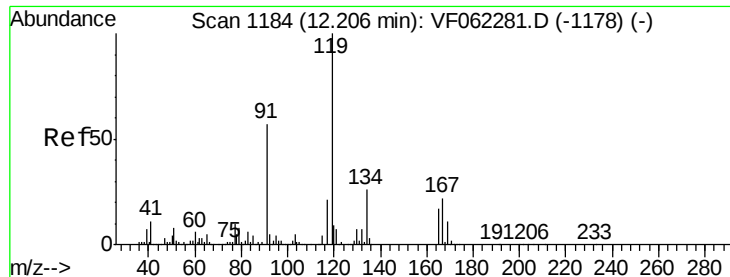
Tgt Ion: 91 Resp: 444928

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 :

VSTDCCC050

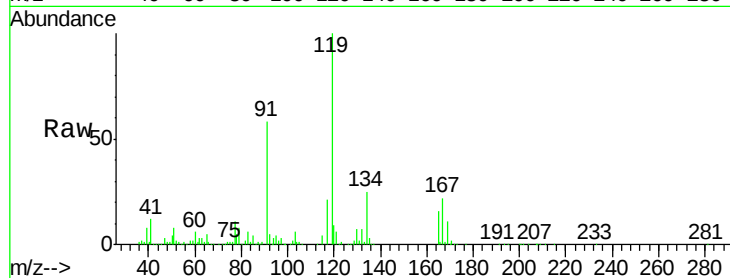
Tot Ion:119 Resp: 658582

Ion Ratio Lower Upper

119 100

91 59.4 29.4 88.2

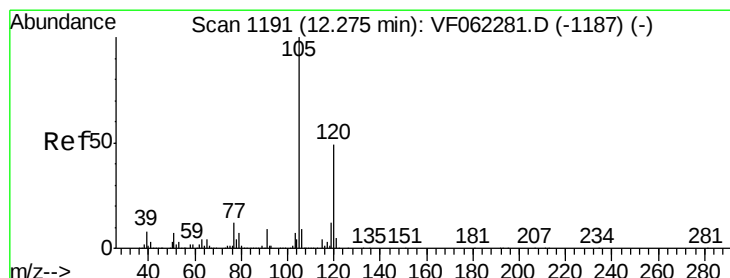
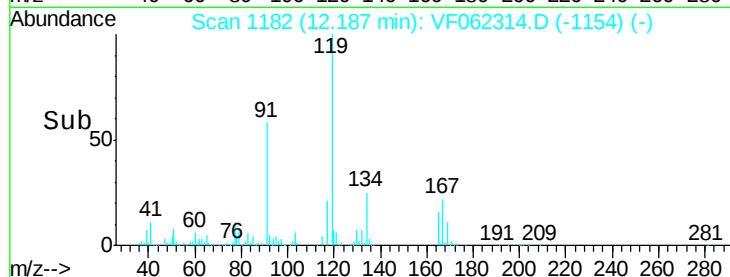
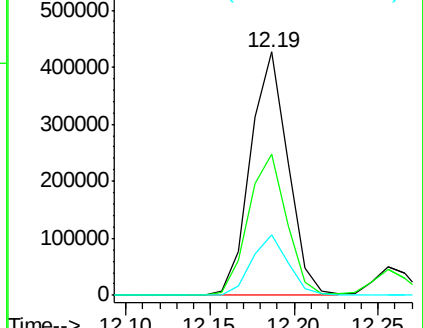
134 24.2 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.986 ug/l

RT: 12.26 min Scan# 1189

Delta R.T. -0.02 min

Lab File: VF062314.D

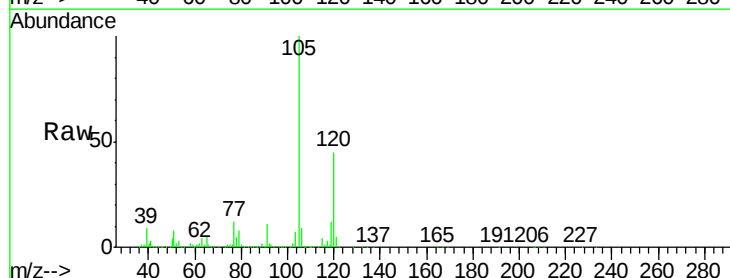
Acq: 29 Apr 2019 15:02

Tgt Ion:105 Resp: 589046

Ion Ratio Lower Upper

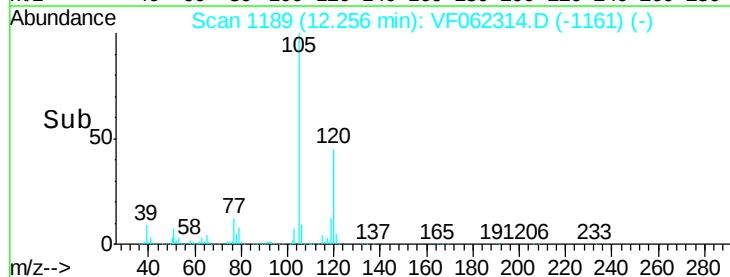
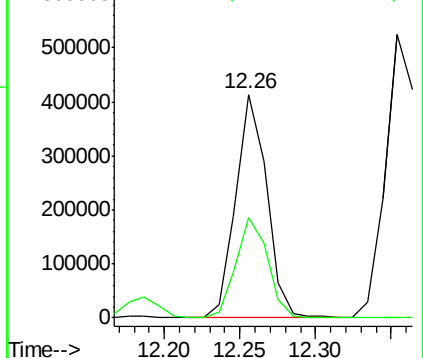
105 100

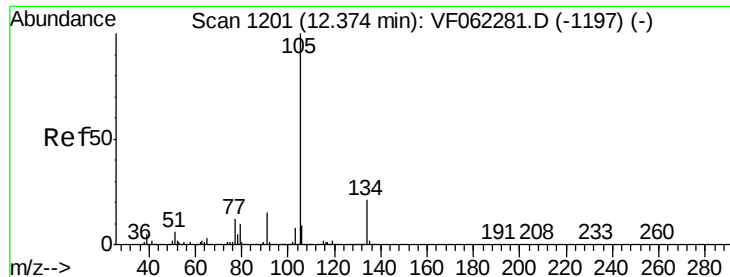
120 46.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#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 :

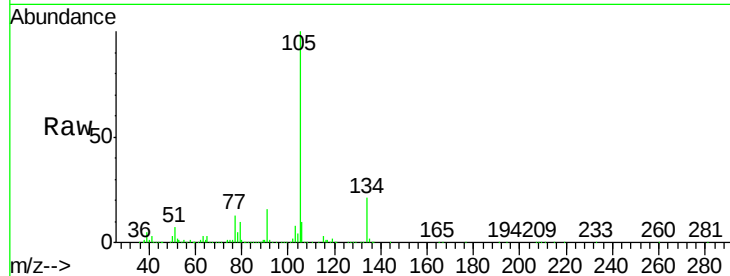
VSTDCCC050

Tot Ion:105 Resp: 797618

Ion Ratio Lower Upper

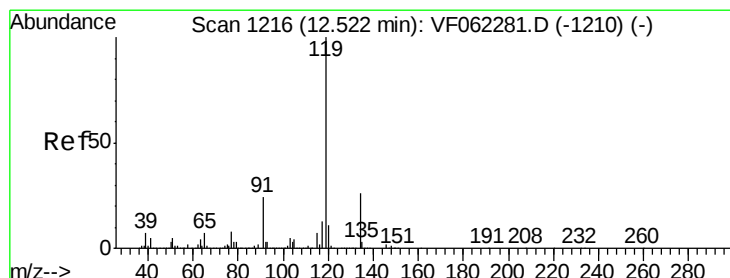
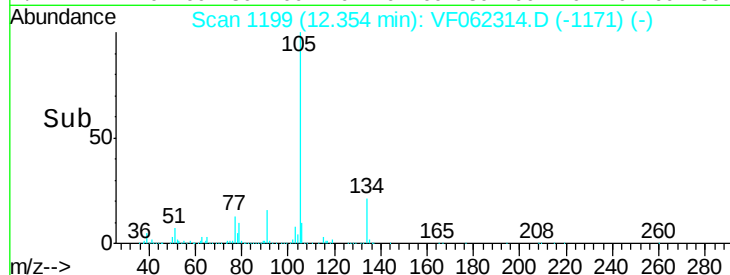
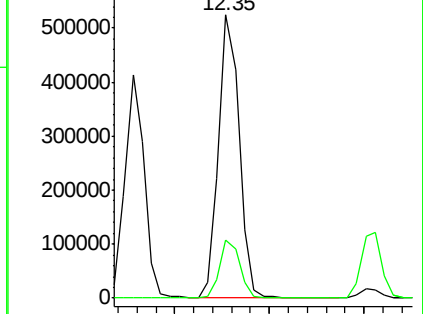
105 100

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

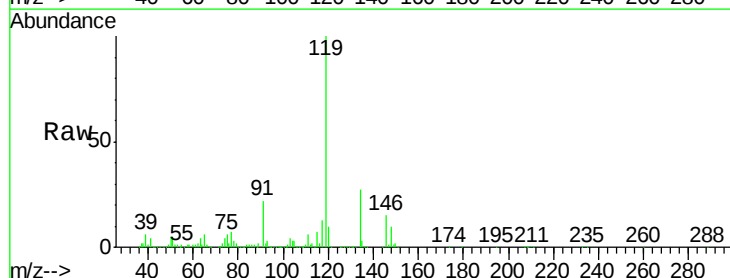
Tgt Ion:119 Resp: 727145

Ion Ratio Lower Upper

119 100

134 25.6 13.2 39.5

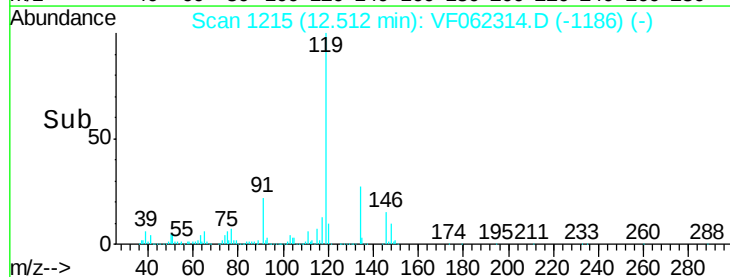
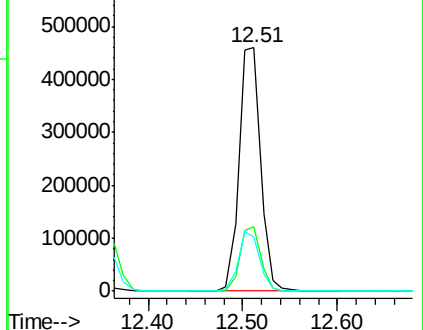
91 23.8 11.6 34.7

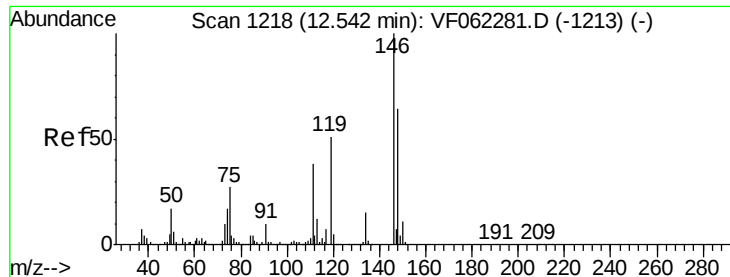


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

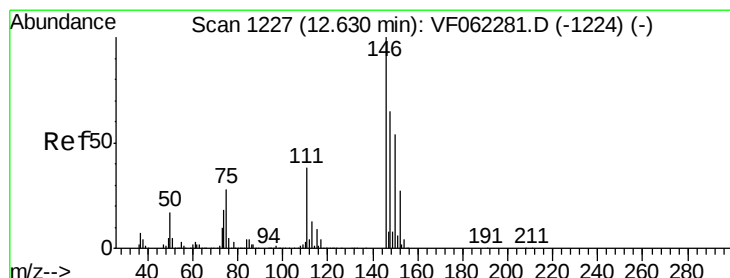
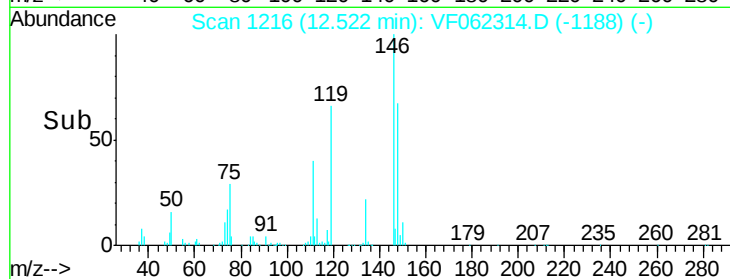
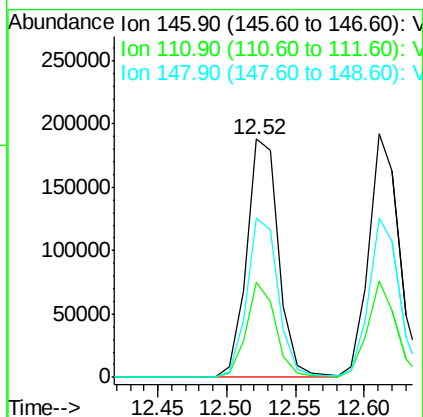
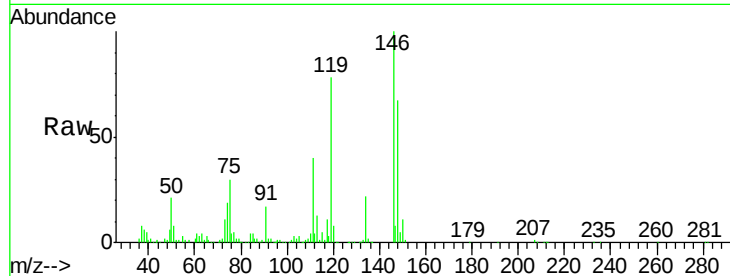




#87
 1,3-Dichlorobenzene
 Concen: 48.872 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.02 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

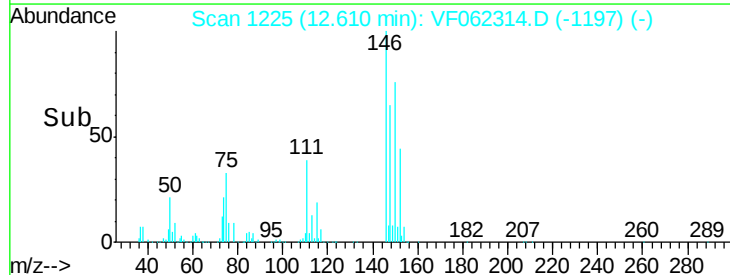
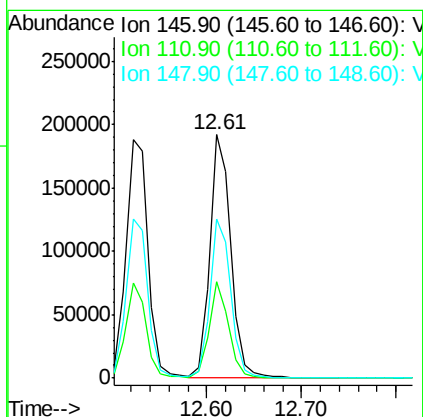
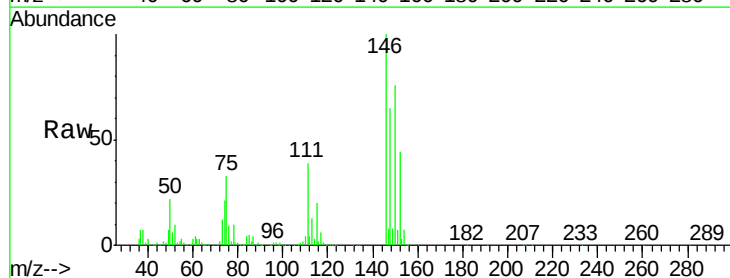
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

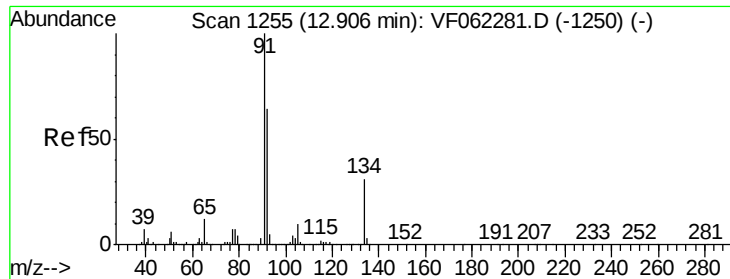
Tot Ion:146 Resp: 305423
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.8
 148 66.1 32.8 98.4



#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

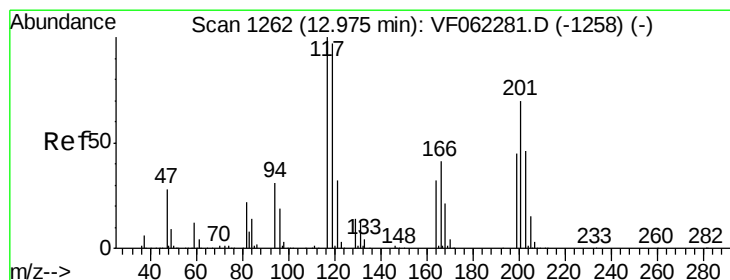
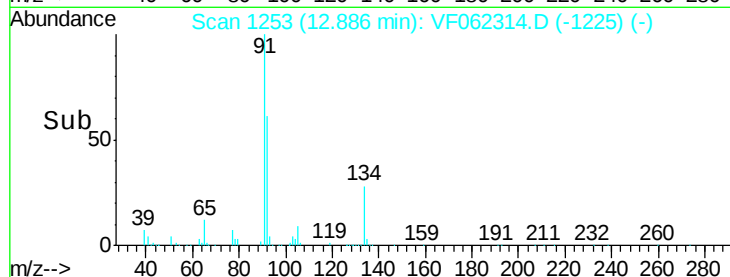
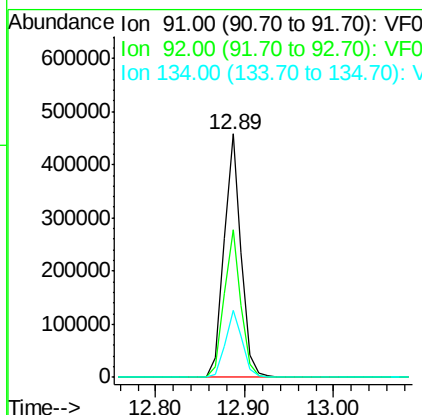
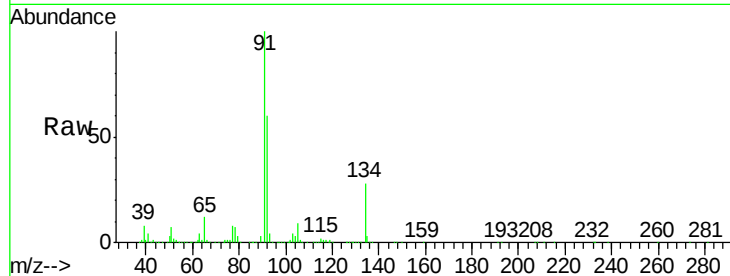




#89
n-Butylbenzene
Concen: 49.804 ug/l
RT: 12.89 min Scan# 1253
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

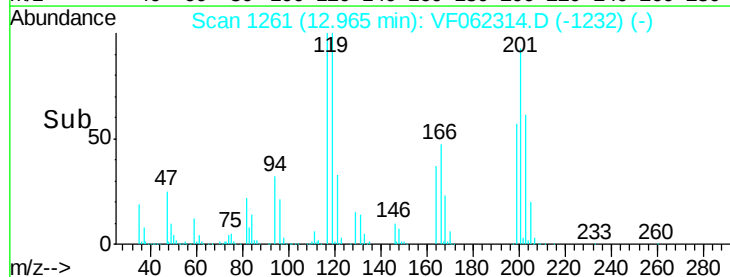
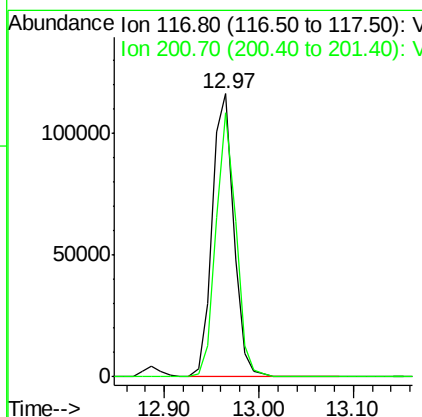
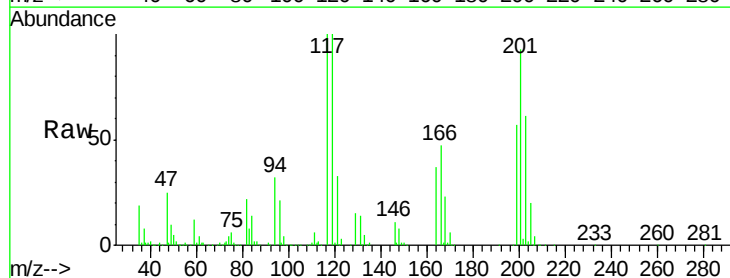
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

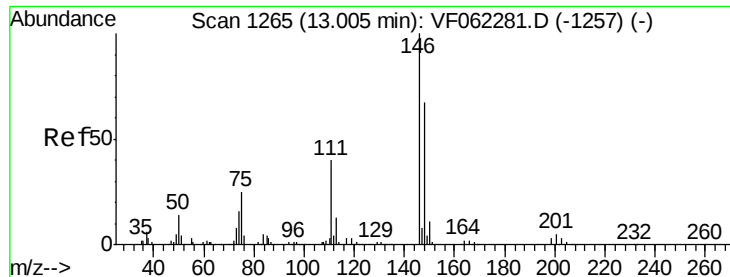
Tot Ion: 91 Resp: 618622
Ion Ratio Lower Upper
91 100
92 59.6 31.1 93.3
134 27.7 14.4 43.4



#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

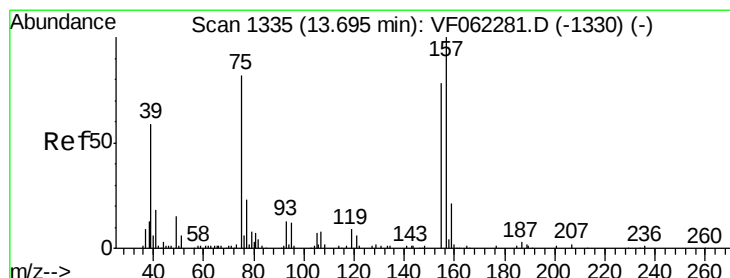
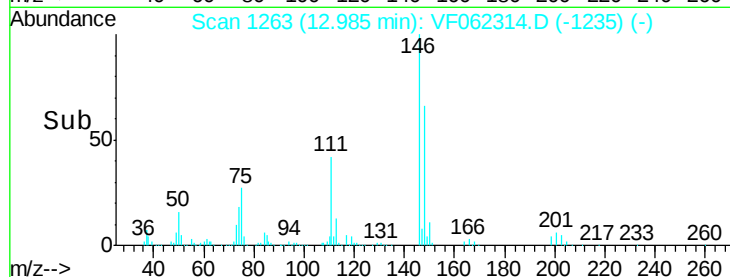
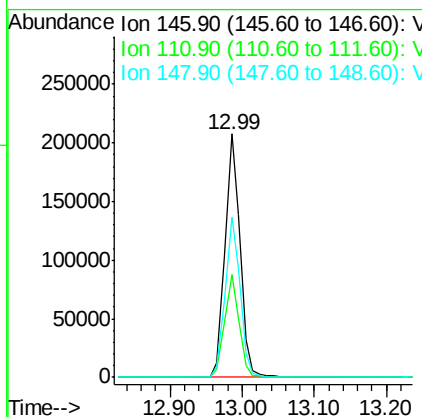
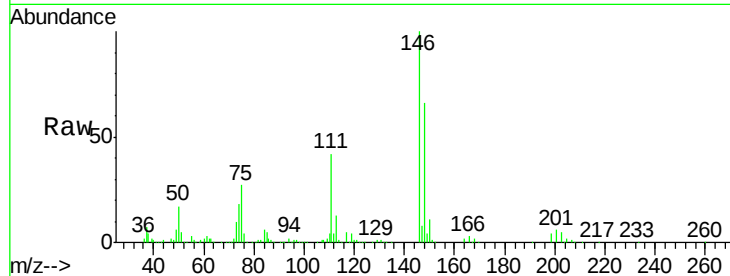




#91
 1,2-Dichlorobenzene
 Concen: 49.843 ug/l
 RT: 12.99 min Scan# 1263
 Delta R.T. -0.02 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

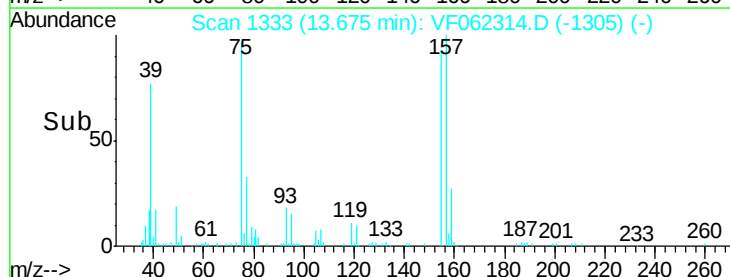
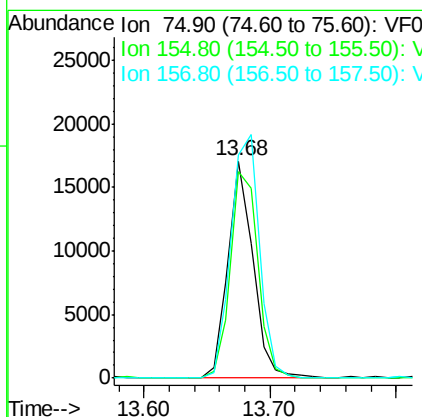
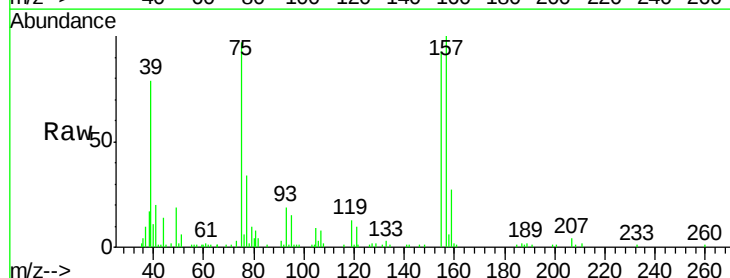
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

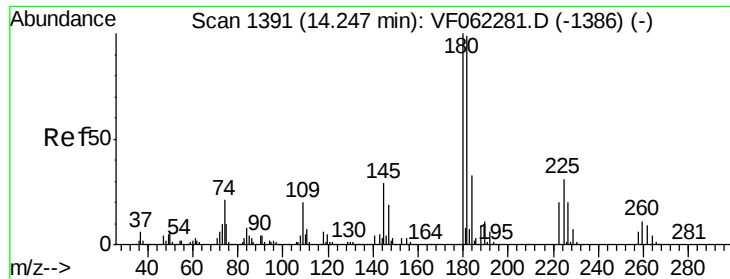
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	59.9
148	66.0	33.1	99.5



#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

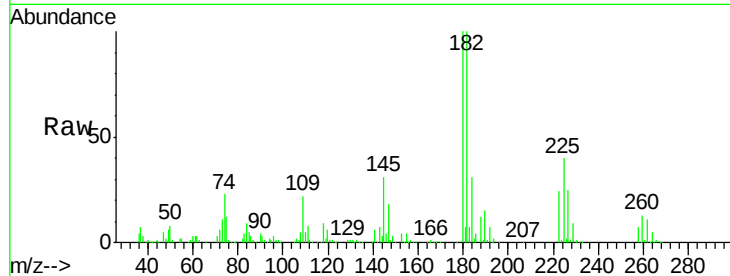




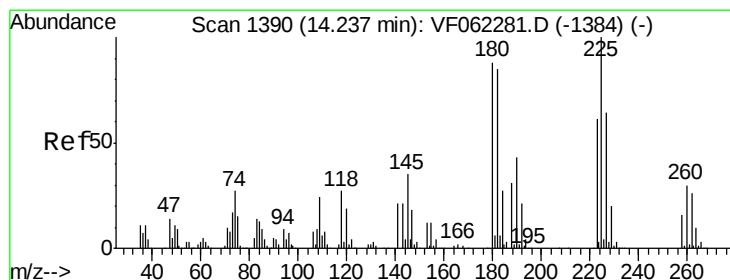
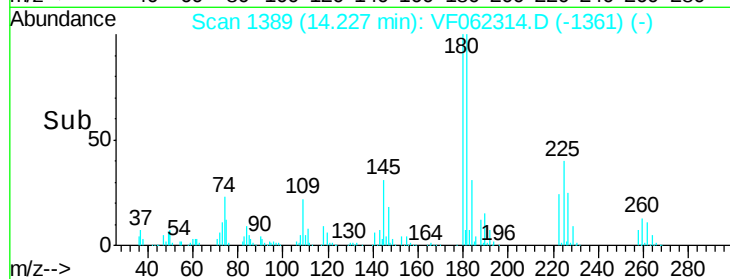
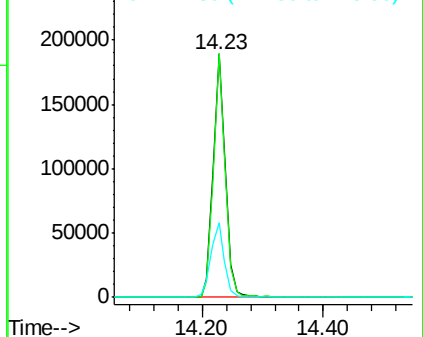
#93
 1,2,4-Trichlorobenzene
 Concen: 50.871 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

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

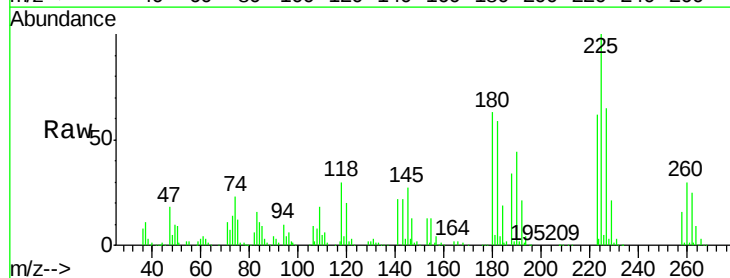


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

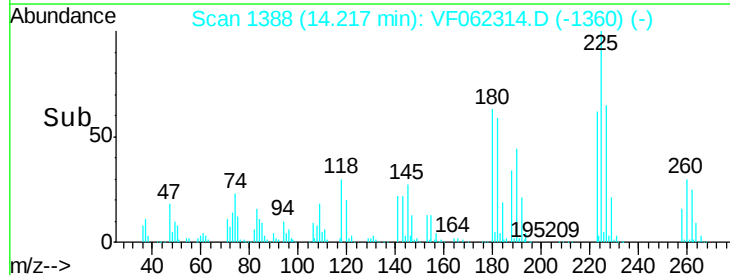
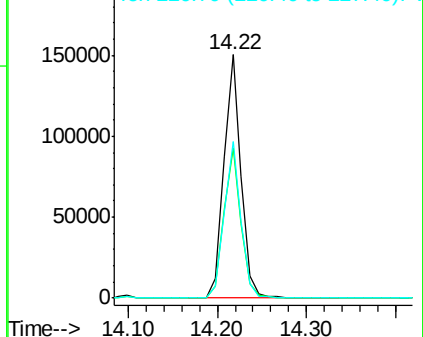


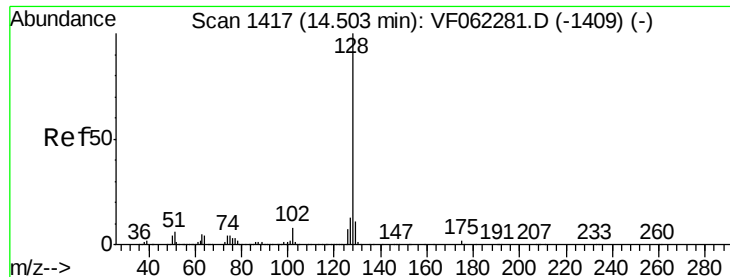
#94
 Hexachlorobutadiene
 Concen: 53.942 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.02 min
 Lab File: VF062314.D
 Acq: 29 Apr 2019 15:02

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

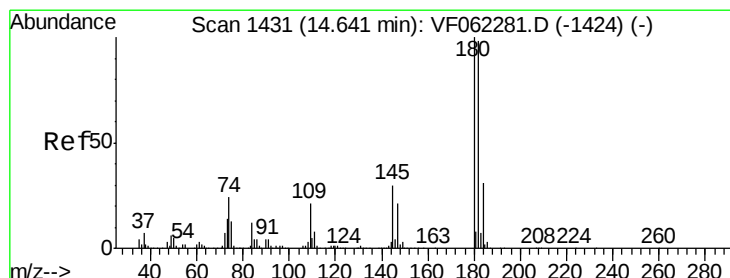
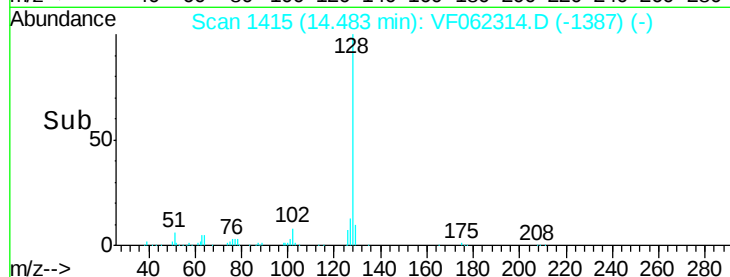
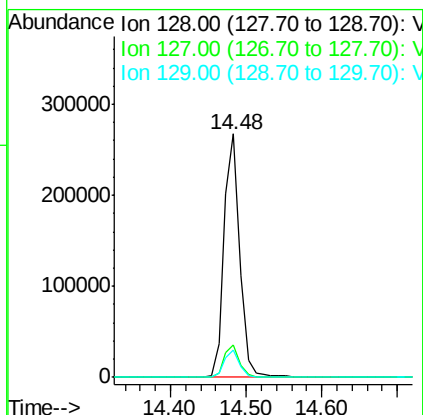
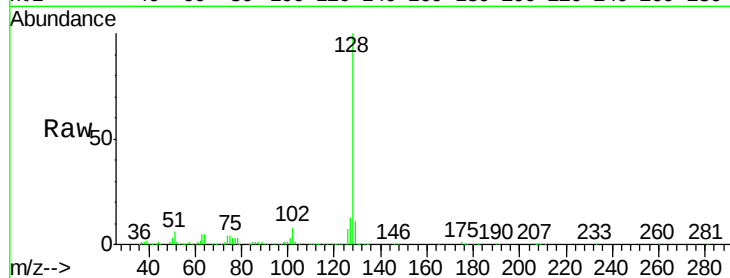




#95
Naphthalene
Concen: 47.533 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062314.D
Acq: 29 Apr 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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

