

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062175.D
 Acq On : 16 Apr 2019 14:40
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF041619

Quant Time: Apr 17 08:04:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	409094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	670193	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	523917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	254841	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	213642	57.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.98%	
35) Dibromofluoromethane	4.31	113	284589	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
50) Toluene-d8	7.71	98	851229	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
62) 4-Bromofluorobenzene	11.49	95	323086	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	316026	52.652	ug/l	98
3) Chloromethane	1.14	50	356872	55.247	ug/l	96
4) Vinyl Chloride	1.18	62	317212	56.129	ug/l	100
5) Bromomethane	1.36	94	211087	58.082	ug/l	98
6) Chloroethane	1.44	64	151269	56.531	ug/l	99
7) Trichlorofluoromethane	1.55	101	374220	55.363	ug/l	100
8) Diethyl Ether	1.71	74	75276	55.168	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.90	101	235207	53.278	ug/l	99
10) Methyl Iodide	1.98	142	442308	53.822	ug/l	100
11) Tert butyl alcohol	2.69	59	52192	255.595	ug/l	97
12) 1,1-Dichloroethene	1.87	96	249765	55.629	ug/l	99
13) Acrolein	2.10	56	35181	218.718	ug/l	95
14) Allyl chloride	2.20	41	405969	60.051	ug/l	97
15) Acrylonitrile	3.08	53	189465	249.709	ug/l	98
16) Acetone	2.34	43	240963	290.107	ug/l	99
17) Carbon Disulfide	1.91	76	722534	56.810	ug/l	100
18) Methyl Acetate	2.46	43	87964	50.368	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	395984	53.023	ug/l	97
20) Methylene Chloride	2.33	84	118623	27.318	ug/l	99
21) trans-1,2-Dichloroethene	2.42	96	227453	52.948	ug/l	97
22) Diisopropyl ether	2.94	45	671462	53.432	ug/l	98
23) Vinyl Acetate	3.34	43	1676697	267.483	ug/l	99
24) 1,1-Dichloroethane	3.01	63	371904	53.144	ug/l	100
25) 2-Butanone	4.52	43	462268	259.087	ug/l	98
26) 2,2-Dichloropropane	3.77	77	200203	54.392	ug/l	97
27) cis-1,2-Dichloroethene	3.65	96	294080	51.572	ug/l	98
28) Bromochloromethane	3.90	49	177828	53.067	ug/l #	95
29) Tetrahydrofuran	4.27	42	194595	245.215	ug/l	98
30) Chloroform	4.05	83	439995	50.573	ug/l	99
31) Cyclohexane	3.88	56	492309	54.453	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	318600	53.704	ug/l	97
36) 1,1-Dichloropropene	4.47	75	366953	49.280	ug/l	97
37) Ethyl Acetate	4.31	43	153868	44.845	ug/l	99
38) Carbon Tetrachloride	4.19	117	378589	59.070	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	483015	51.762	ug/l	98
40) Benzene	4.82	78	981230	49.886	ug/l	98
41) Methacrylonitrile	4.93	41	97314	47.203	ug/l	94
42) 1,2-Dichloroethane	5.13	62	240520	48.314	ug/l	100
43) Isopropyl Acetate	7.12	43	185020	46.674	ug/l #	100
44) Trichloroethene	5.69	130	260370	49.456	ug/l	97
45) 1,2-Dichloropropane	6.41	63	229732	47.609	ug/l	95
46) Dibromomethane	6.26	93	137580	47.282	ug/l	95
47) Bromodichloromethane	6.55	83	310375	47.083	ug/l	98
48) Methyl methacrylate	6.88	41	124332	47.902	ug/l	97
49) 1,4-Dioxane	6.87	88	17523	866.365	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	684190	223.975	ug/l	100
52) Toluene	7.78	92	547225	47.359	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	261223	45.749	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	346634	47.741	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	151046	45.641	ug/l	97
56) Ethyl methacrylate	8.75	69	172002	43.708	ug/l	98
57) 1,3-Dichloropropane	9.00	76	265647	48.826	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.45	63	240623	237.320	ug/l	96
59) 2-Hexanone	9.62	43	481906	248.223	ug/l	97
60) Dibromochloromethane	8.86	129	212006	46.560	ug/l	96
61) 1,2-Dibromoethane	9.13	107	176766	49.925	ug/l	99
64) Tetrachloroethene	8.31	164	215322	50.320	ug/l	96
65) Chlorobenzene	9.93	112	559971	51.379	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	223352	49.639	ug/l	99
67) Ethyl Benzene	10.03	91	1018664	50.422	ug/l	99
68) m/p-Xylenes	10.26	106	748251	100.611	ug/l	98
69) o-Xylene	10.82	106	417450	51.845	ug/l	97
70) Styrene	10.89	104	577945	49.355	ug/l	99
71) Bromoform	10.88	173	115261	48.915	ug/l #	94
73) Isopropylbenzene	11.22	105	1150322	52.395	ug/l	98
74) N-amyl acetate	11.45	43	273476	54.902	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	197733	50.559	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	133836	50.460	ug/l	93
77) Bromobenzene	11.58	156	234882	51.443	ug/l	92
78) n-propylbenzene	11.67	91	1250755	50.120	ug/l	98
79) 2-Chlorotoluene	11.80	91	747119	50.790	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	914870	49.964	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	82380	62.103	ug/l	95
82) 4-Chlorotoluene	11.97	91	724691	50.272	ug/l	96
83) tert-Butylbenzene	12.20	119	929808	51.139	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	895284	50.381	ug/l	99
85) sec-Butylbenzene	12.37	105	1194499	49.962	ug/l	97
86) p-Isopropyltoluene	12.52	119	1037093	50.917	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	431749	51.684	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	411688	50.547	ug/l	96
89) n-Butylbenzene	12.90	91	1003641	52.933	ug/l	98
90) Hexachloroethane	12.97	117	252931	50.695	ug/l	88
91) 1,2-Dichlorobenzene	13.00	146	398521	49.711	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	34855	49.483	ug/l	89

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Quant Title : SW846 8260
QLast Update : Wed Apr 17 07:56:48 2019
Response via : Initial Calibration

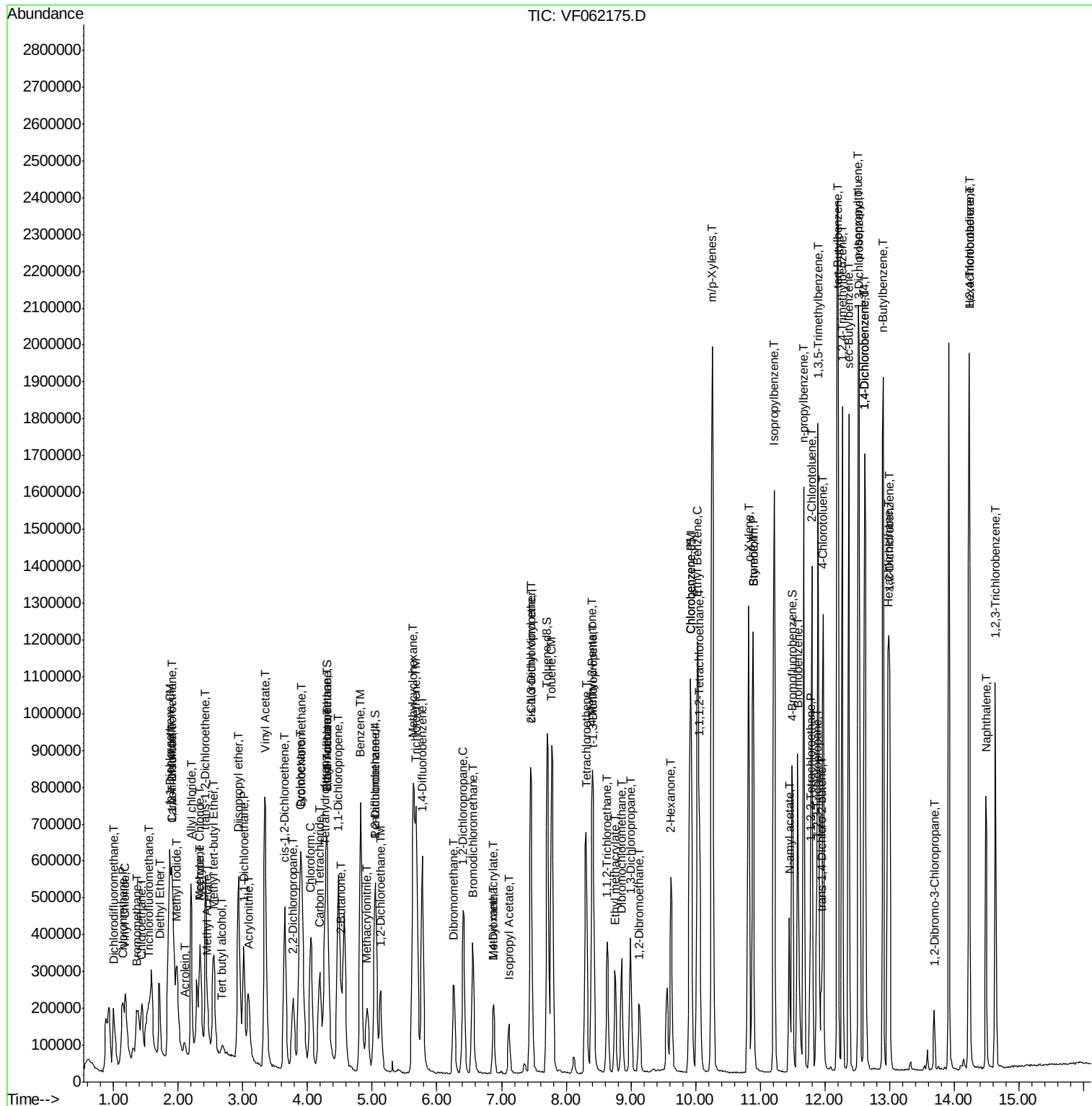
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	306360	50.883	ug/l	98
94) Hexachlorobutadiene	14.23	225	203120	51.765	ug/l	99
95) Naphthalene	14.49	128	533108	50.680	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	282450	50.352	ug/l	98

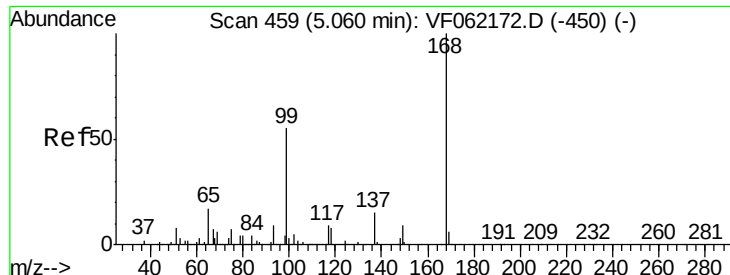
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

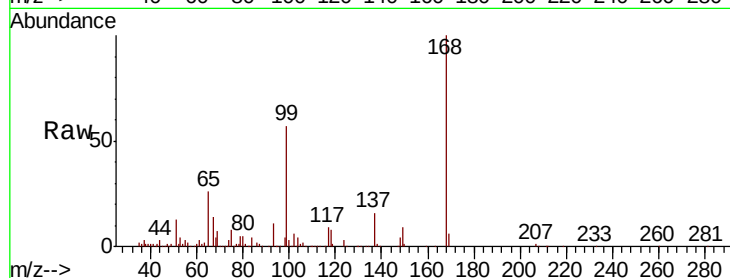
ICVVF041619

Tot Ion:168 Resp: 409094

Ion Ratio Lower Upper

168 100

99 57.5 44.2 66.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

150000

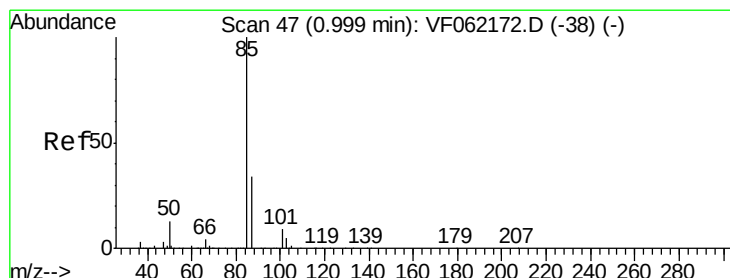
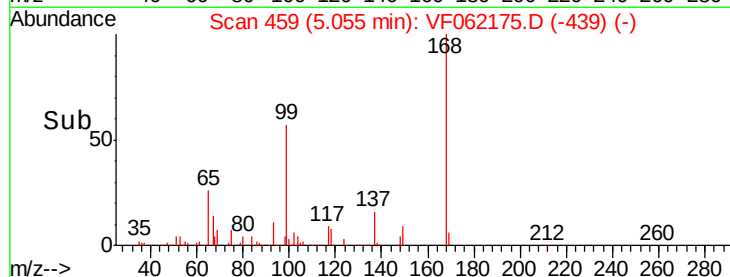
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 52.652 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062175.D

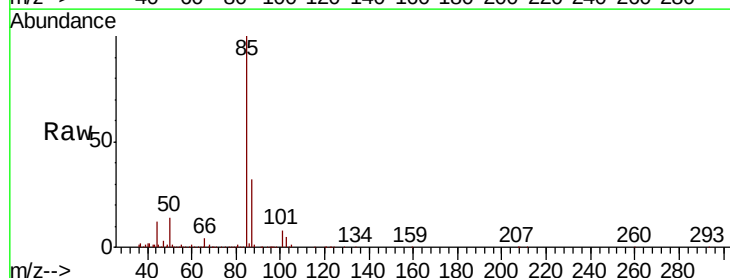
Acq: 16 Apr 2019 14:40

Tgt Ion: 85 Resp: 316026

Ion Ratio Lower Upper

85 100

87 32.5 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

100000

80000

60000

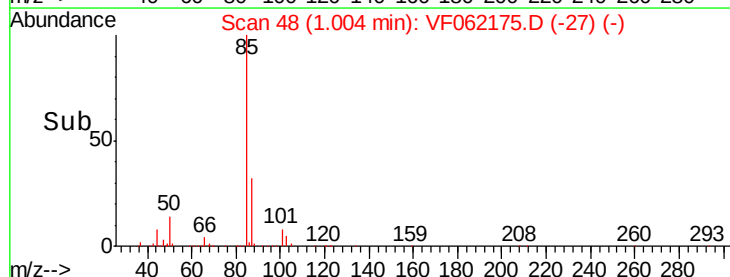
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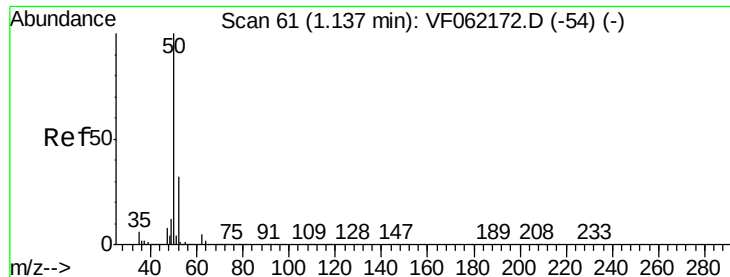
20000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 55.247 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

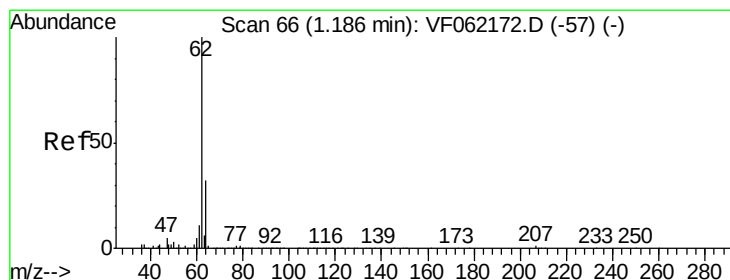
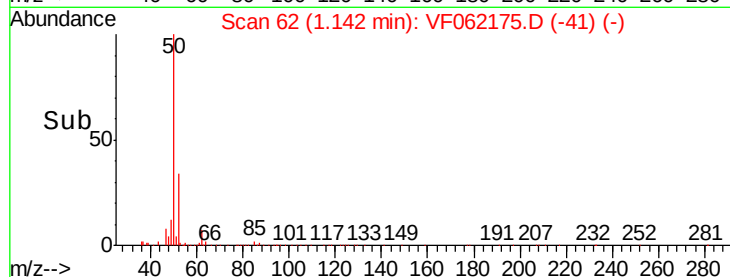
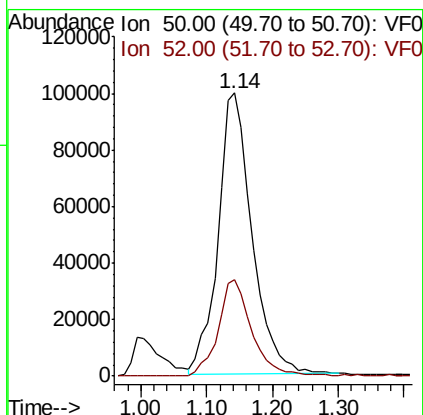
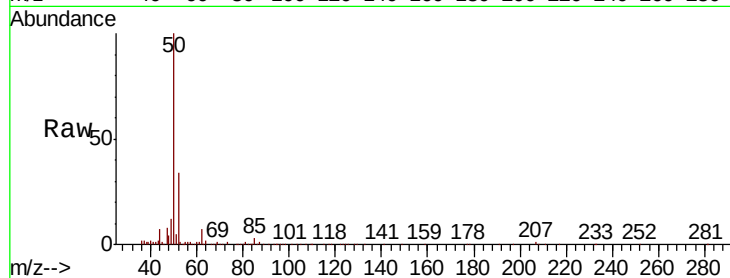
ICVVF041619

Tot Ion: 50 Resp: 356872

Ion Ratio Lower Upper

50 100

52 34.3 25.4 38.2



#4

Vinyl Chloride

Concen: 56.129 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.00 min

Lab File: VF062175.D

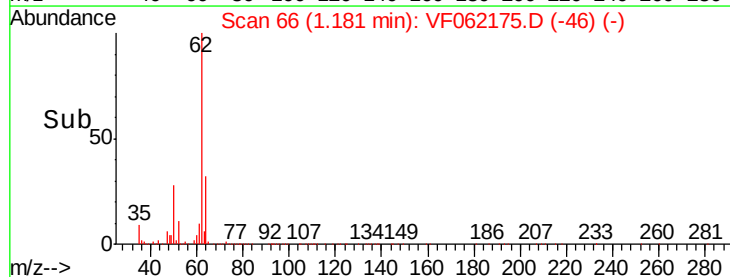
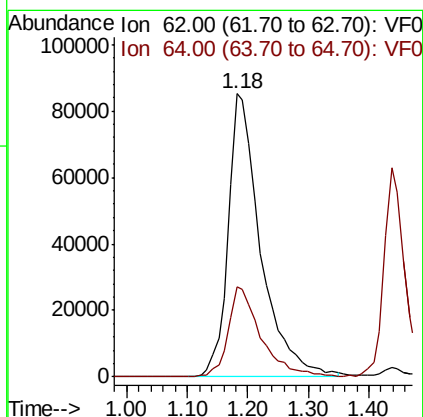
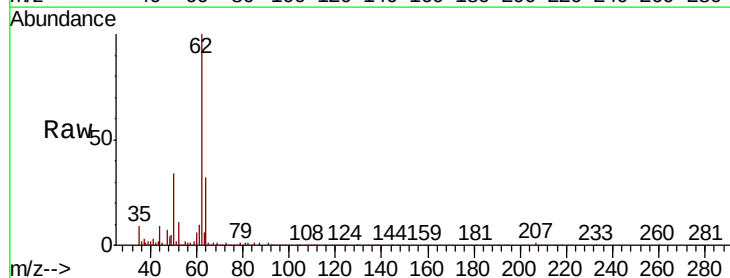
Acq: 16 Apr 2019 14:40

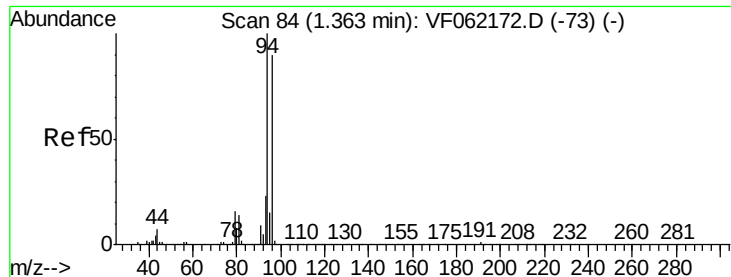
Tgt Ion: 62 Resp: 317212

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 58.082 ug/l

RT: 1.36 min Scan# 84

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

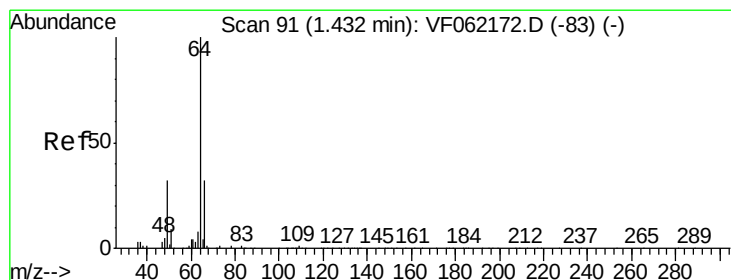
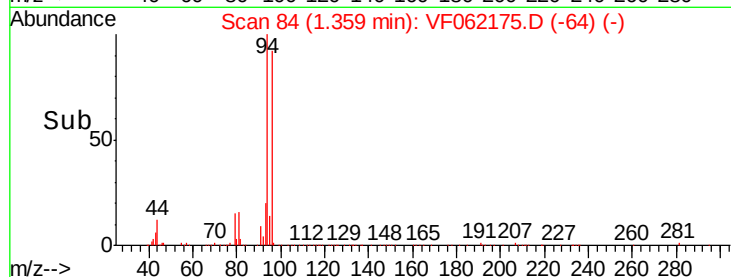
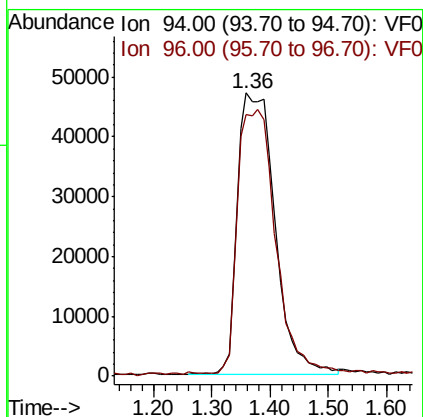
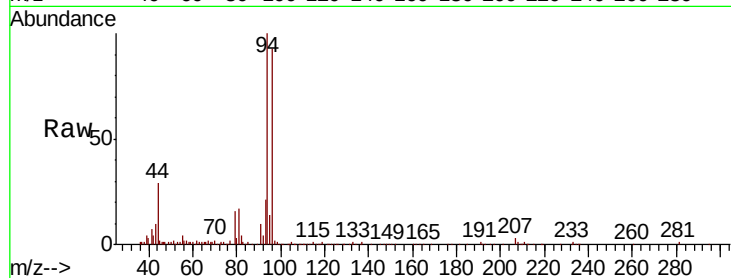
ICVVF041619

Tot Ion: 94 Resp: 211087

Ion Ratio Lower Upper

94 100

96 92.5 72.3 108.5



#6

Chloroethane

Concen: 56.531 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF062175.D

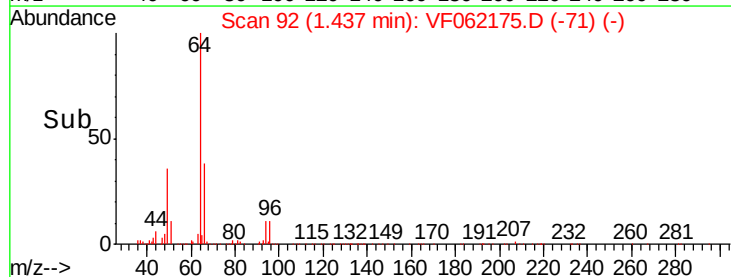
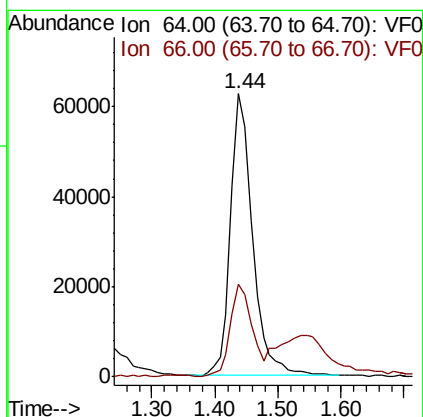
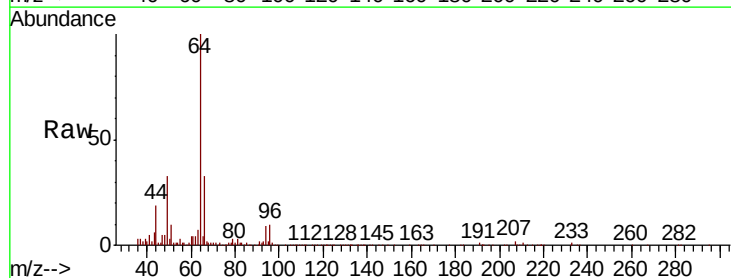
Acq: 16 Apr 2019 14:40

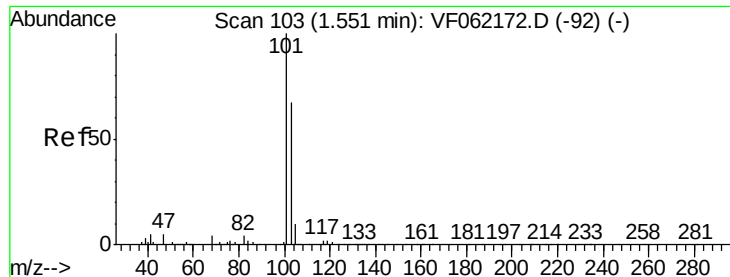
Tgt Ion: 64 Resp: 151269

Ion Ratio Lower Upper

64 100

66 32.5 25.7 38.5



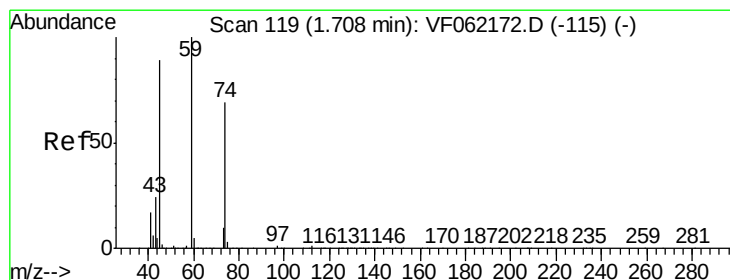
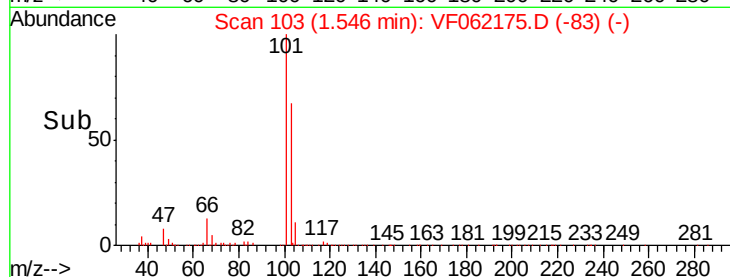
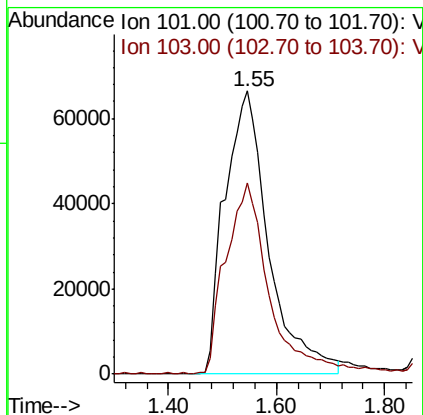
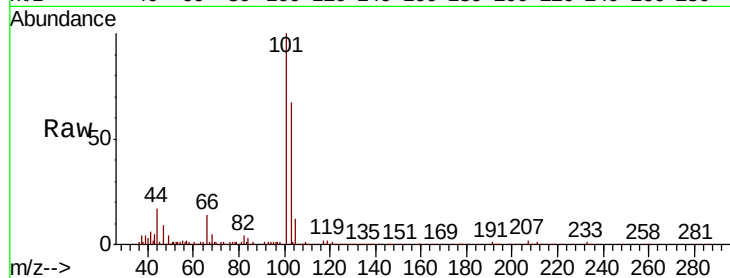


#7

Trichlorofluoromethane
Concen: 55.363 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF062175.D
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Instrument :
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ClientSampleId :
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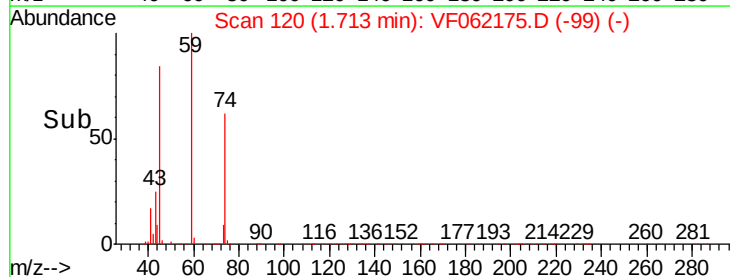
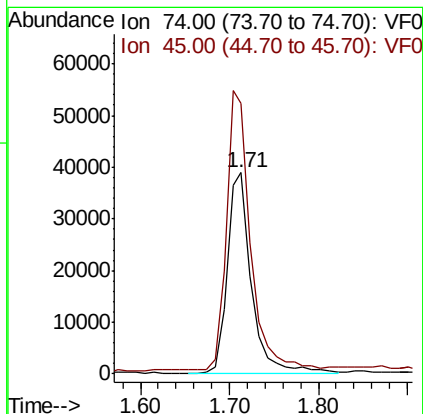
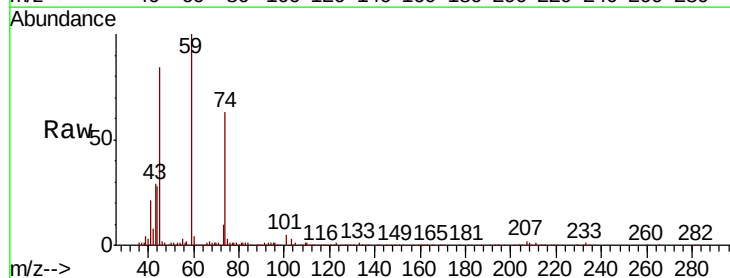
Tot Ion:101 Resp: 374220
Ion Ratio Lower Upper
101 100
103 67.3 53.7 80.5

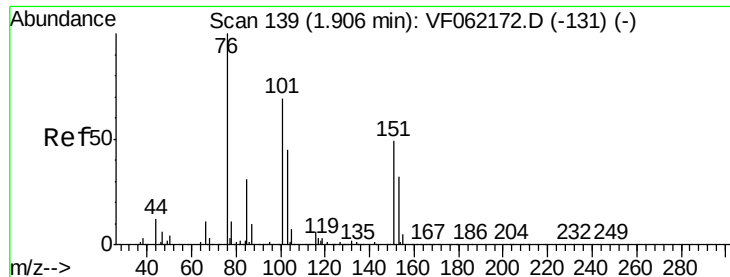


#8

Diethyl Ether
Concen: 55.168 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion: 74 Resp: 75276
Ion Ratio Lower Upper
74 100
45 134.5 64.7 194.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.278 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

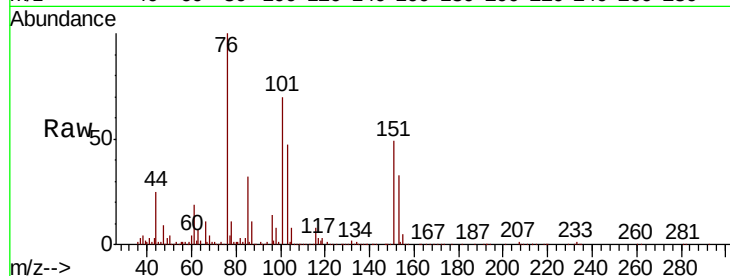
Tot Ion:101 Resp: 235207

Ion Ratio Lower Upper

101 100

85 45.6 35.2 52.8

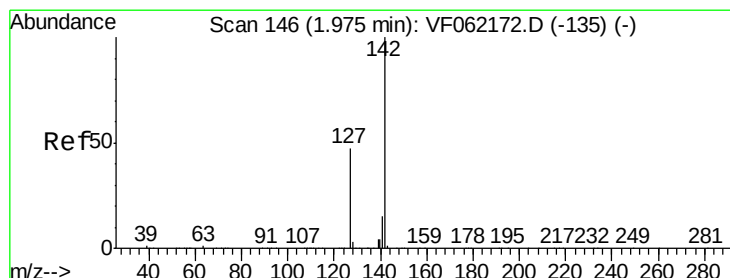
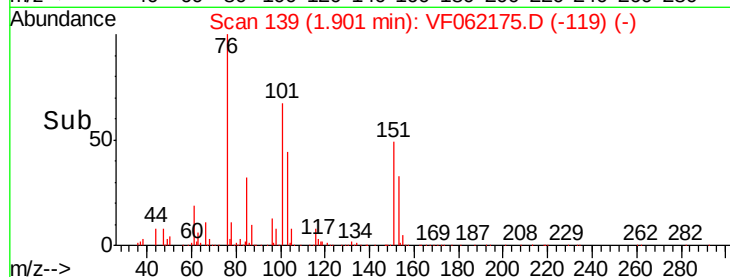
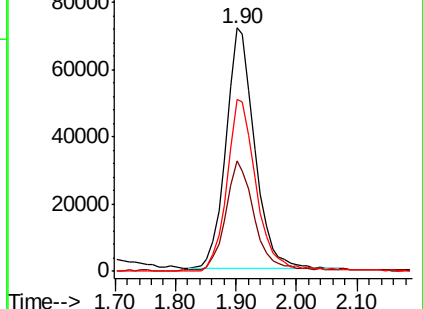
151 70.4 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 53.822 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

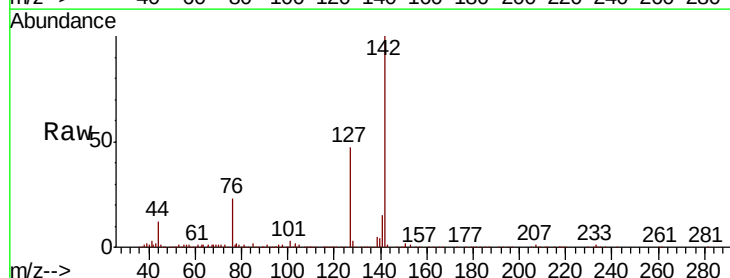
Tgt Ion:142 Resp: 442308

Ion Ratio Lower Upper

142 100

127 47.0 37.8 56.6

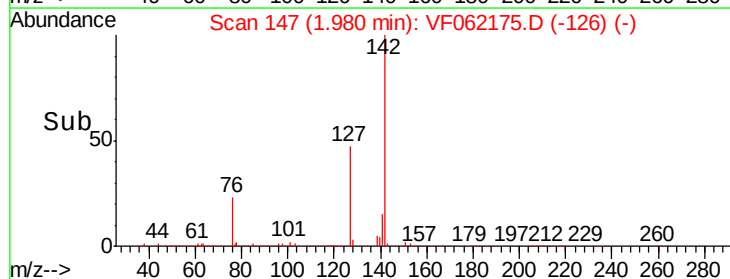
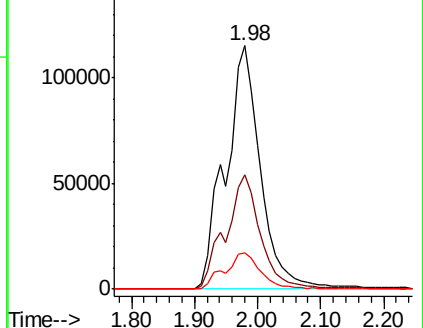
141 14.8 12.1 18.1

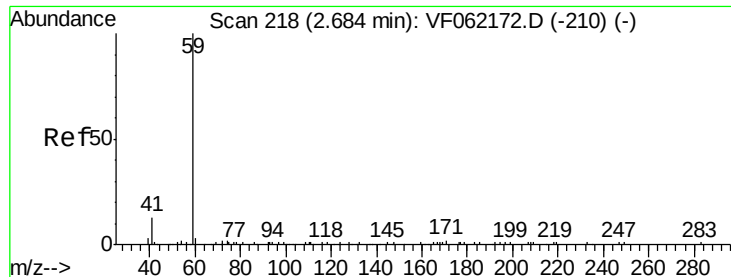


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



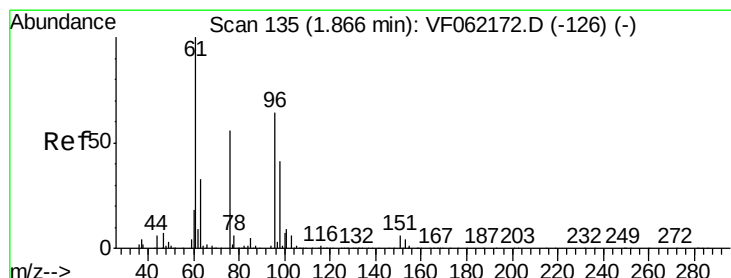
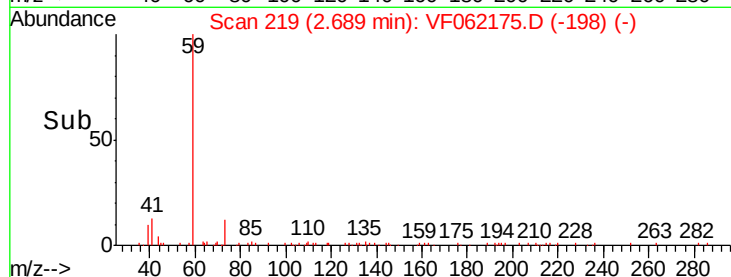
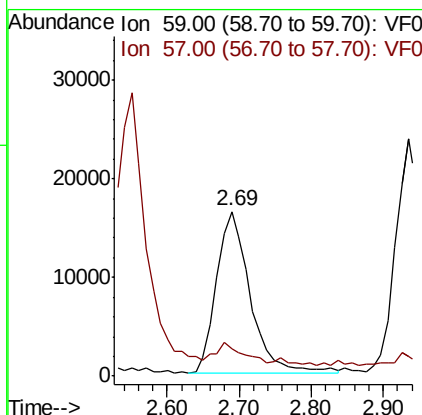
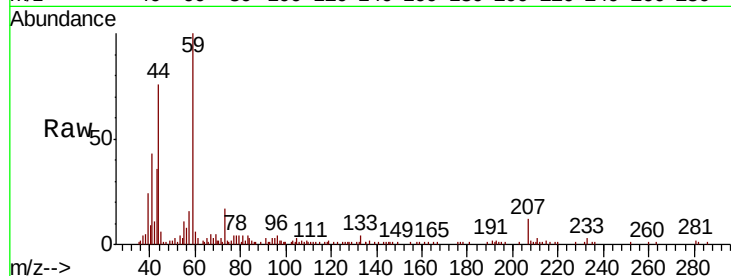


#11

Tert butyl alcohol
 Concen: 255.595 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041619

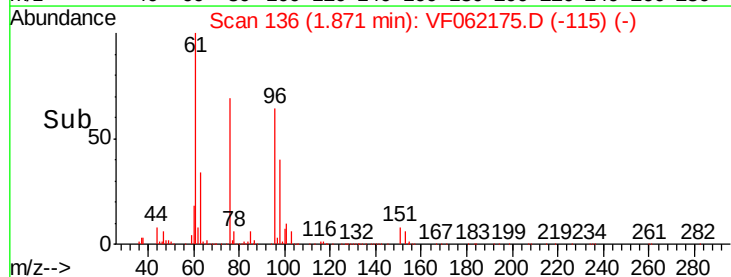
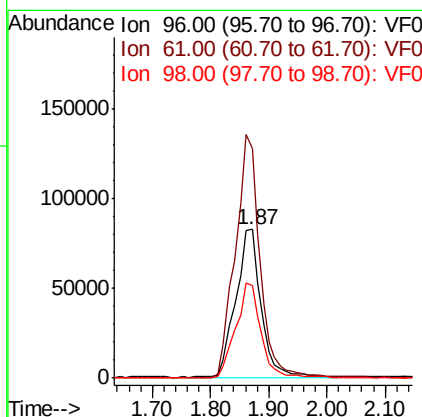
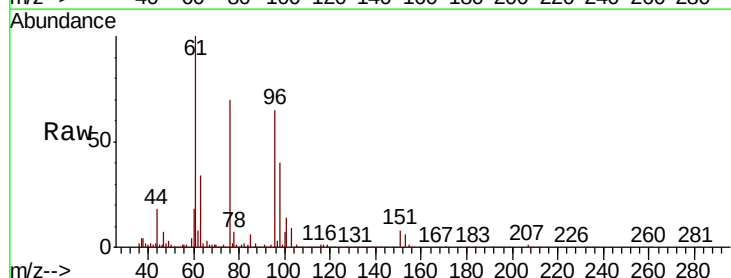
Tot Ion: 59 Resp: 52192
 Ion Ratio Lower Upper
 59 100
 57 16.4 14.2 21.4

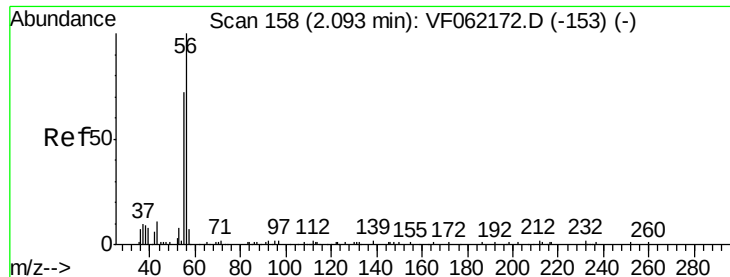


#12

1,1-Dichloroethene
 Concen: 55.629 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Tgt Ion: 96 Resp: 249765
 Ion Ratio Lower Upper
 96 100
 61 154.7 124.6 187.0
 98 62.5 51.5 77.3





#13

Acrolein

Concen: 218.718 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

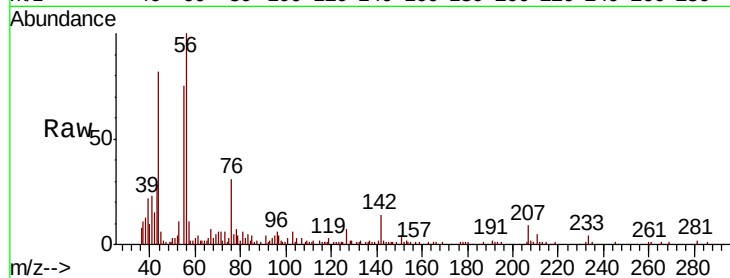
ICVVF041619

Tot Ion: 56 Resp: 35181

Ion Ratio Lower Upper

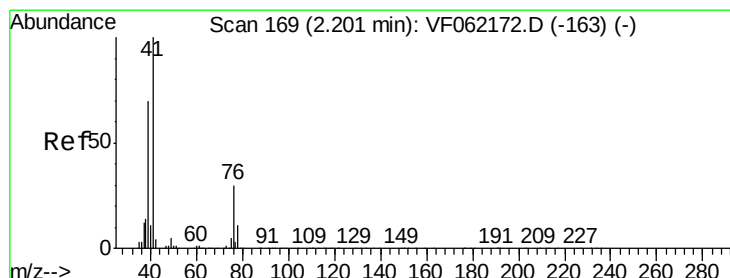
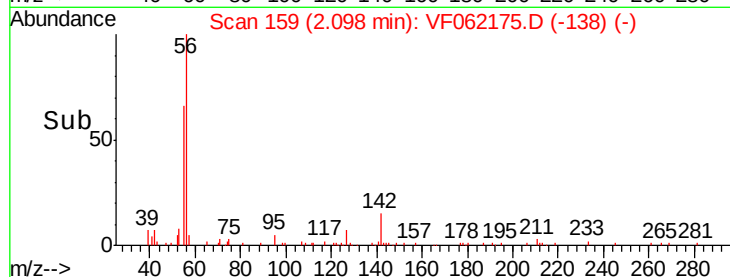
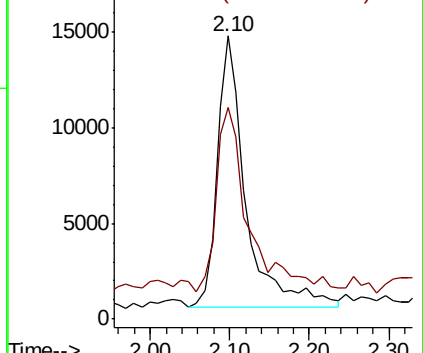
56 100

55 74.7 62.9 94.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 60.051 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

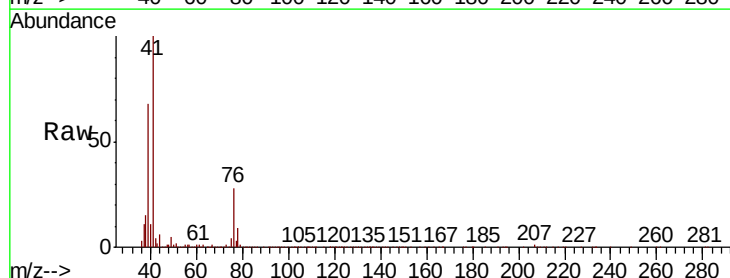
Tgt Ion: 41 Resp: 405969

Ion Ratio Lower Upper

41 100

39 68.4 56.1 84.1

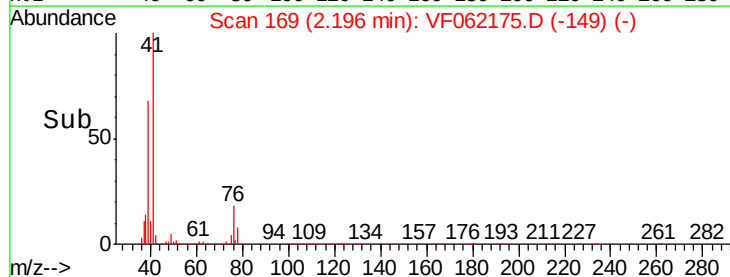
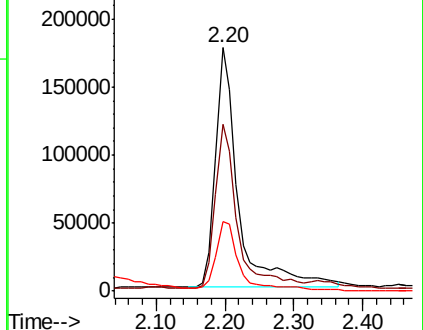
76 28.4 24.9 37.3

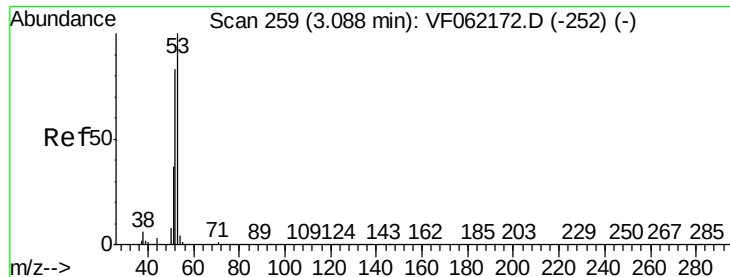


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 249.709 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

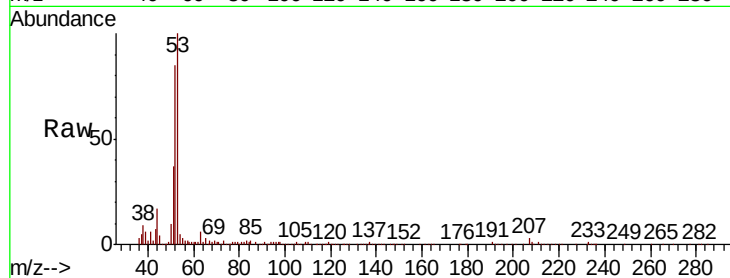
Tot Ion: 53 Resp: 189465

Ion Ratio Lower Upper

53 100

52 85.2 66.6 99.8

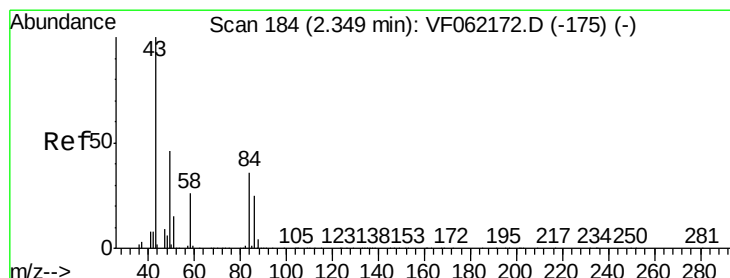
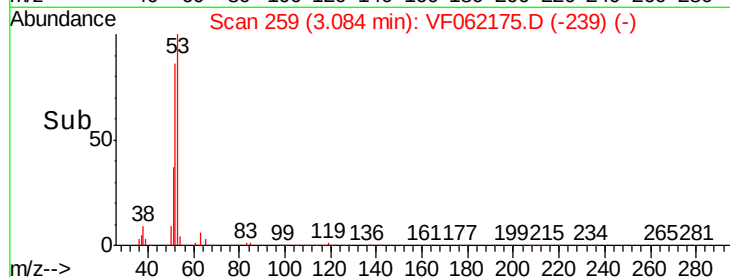
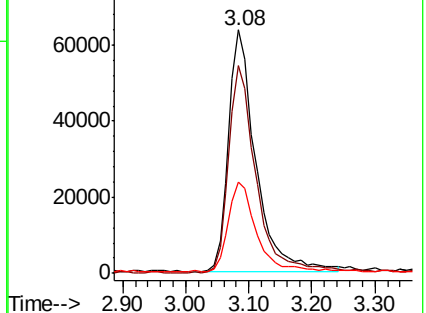
51 37.3 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 290.107 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062175.D

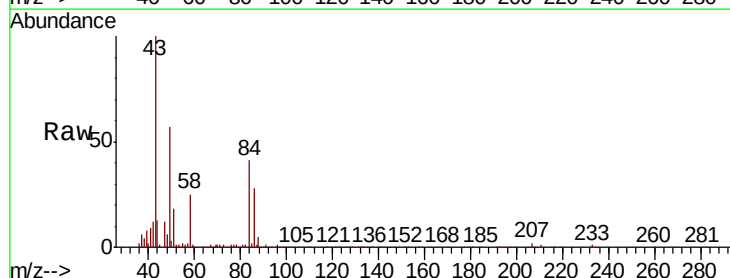
Acq: 16 Apr 2019 14:40

Tgt Ion: 43 Resp: 240963

Ion Ratio Lower Upper

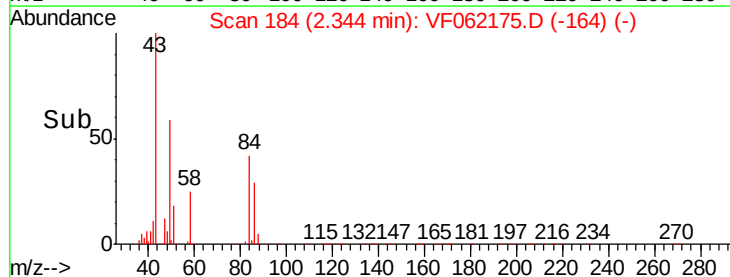
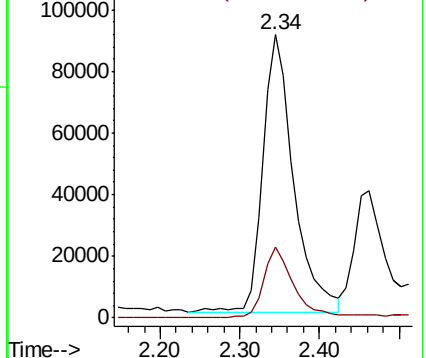
43 100

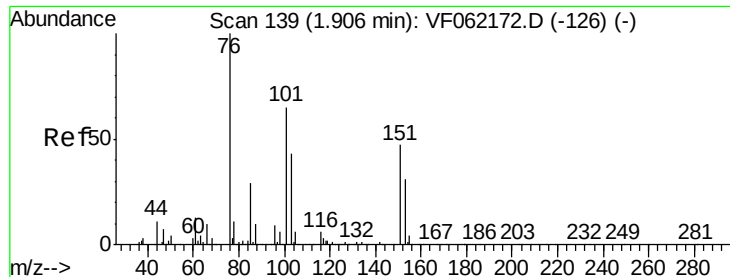
58 24.9 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 56.810 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

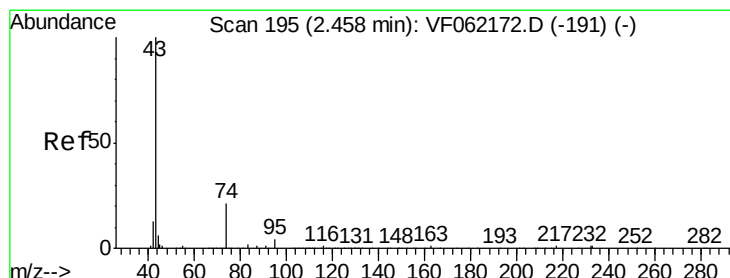
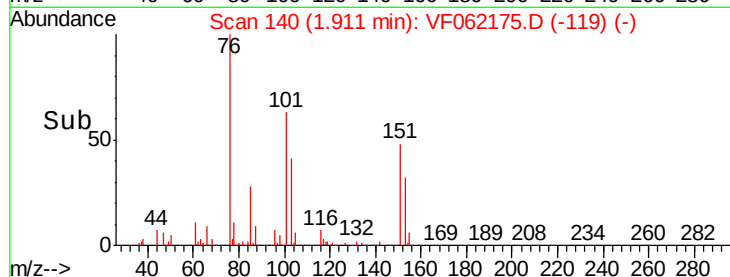
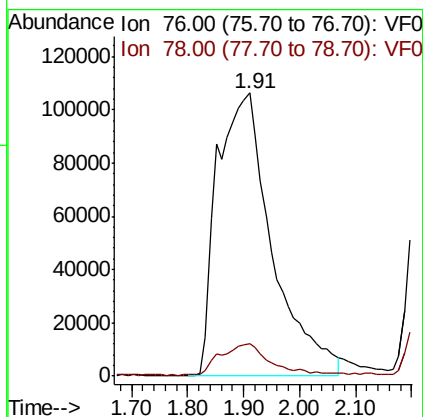
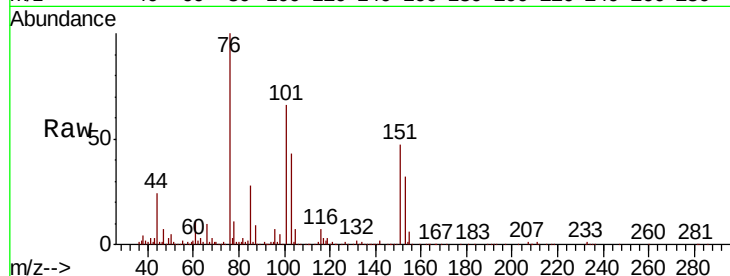
ICVVF041619

Tot Ion: 76 Resp: 722534

Ion Ratio Lower Upper

76 100

78 11.4 9.1 13.7



#18

Methyl Acetate

Concen: 50.368 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF062175.D

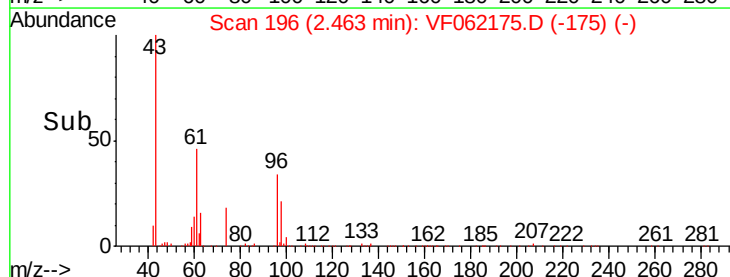
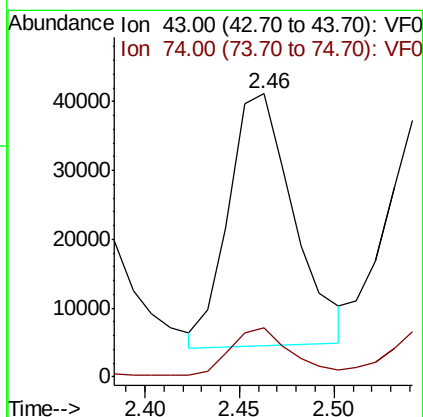
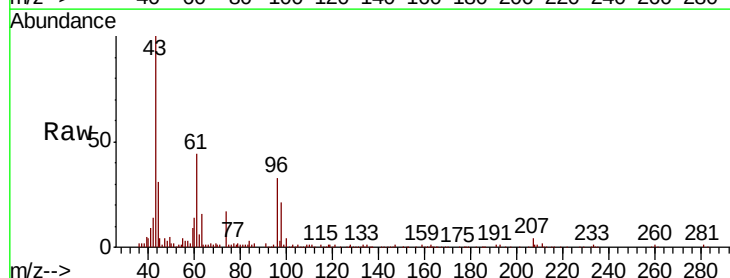
Acq: 16 Apr 2019 14:40

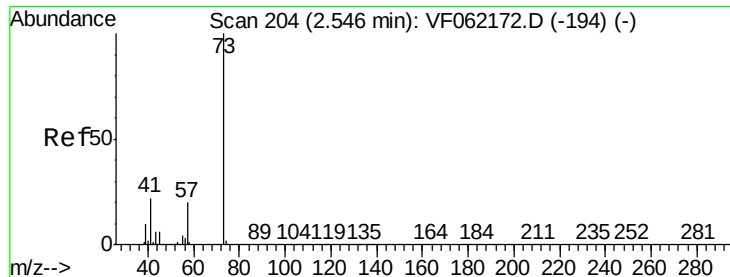
Tgt Ion: 43 Resp: 87964

Ion Ratio Lower Upper

43 100

74 17.5 14.2 21.4



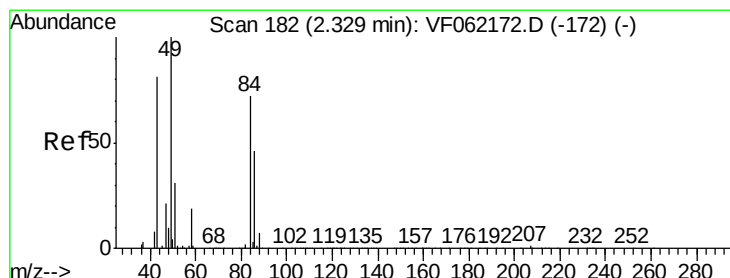
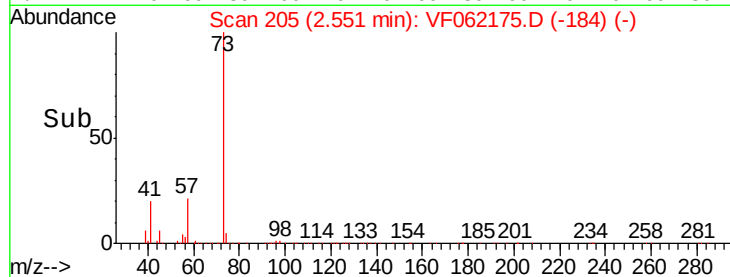
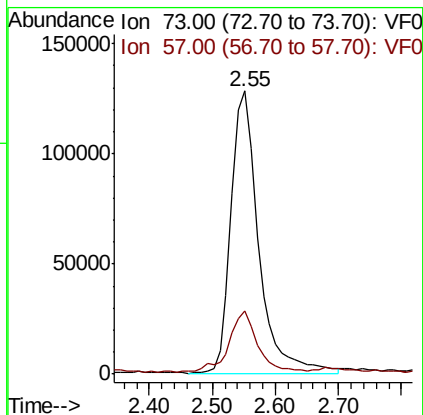
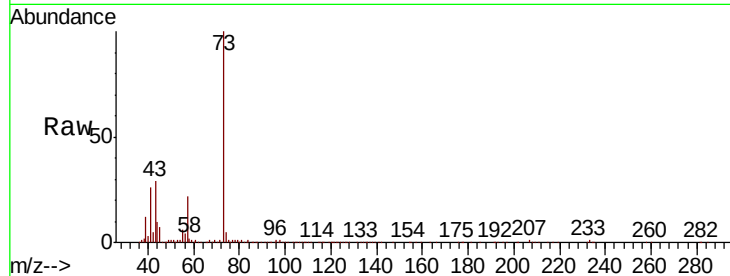


#19

Methyl tert-butyl Ether
 Concen: 53.023 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041619

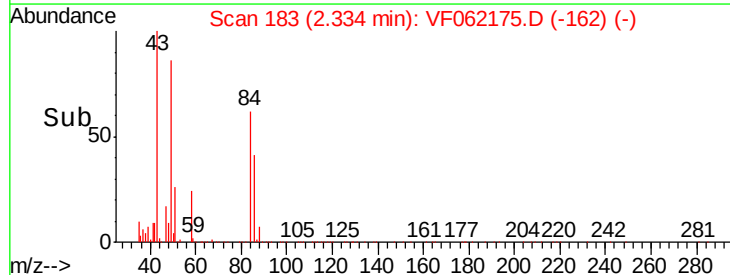
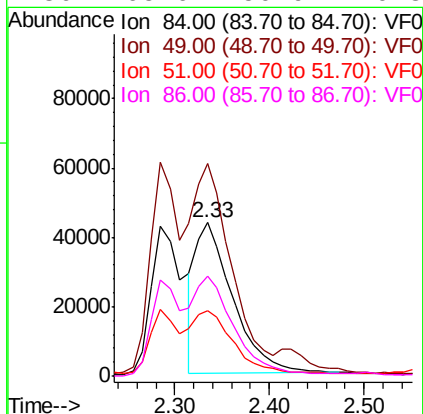
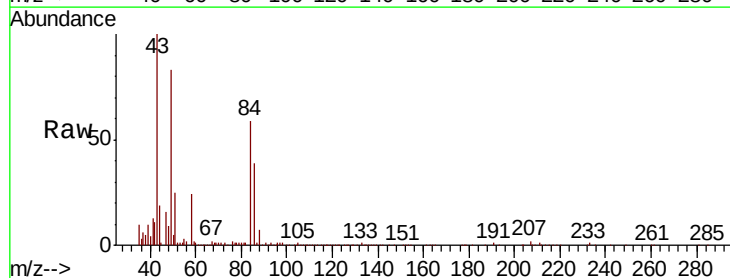
Tot Ion: 73 Resp: 395984
 Ion Ratio Lower Upper
 73 100
 57 22.3 16.8 25.2

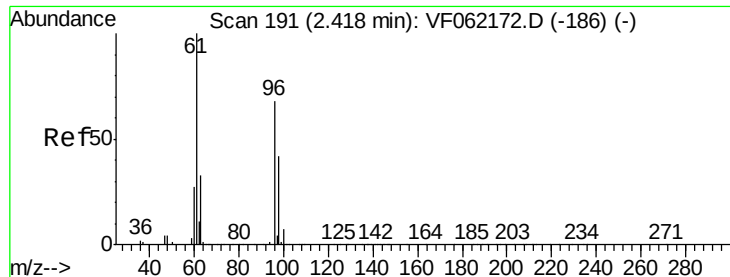


#20

Methylene Chloride
 Concen: 27.318 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Tgt Ion: 84 Resp: 118623
 Ion Ratio Lower Upper
 84 100
 49 138.8 111.5 167.3
 51 42.6 34.9 52.3
 86 65.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 52.948 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

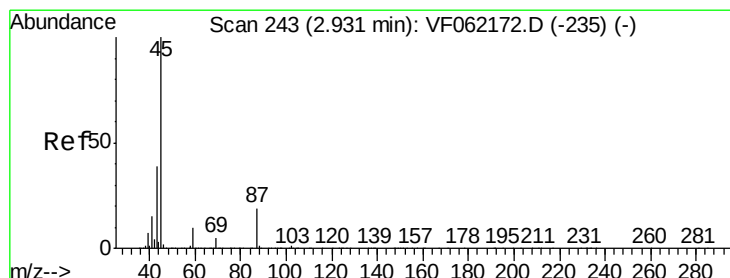
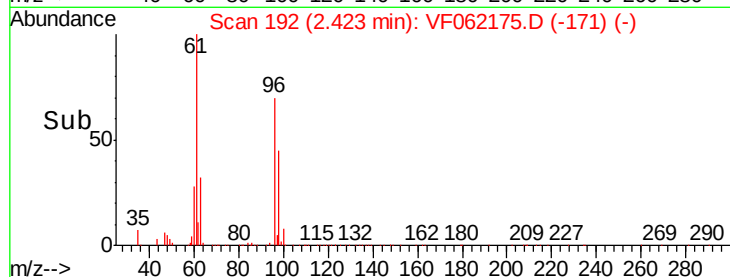
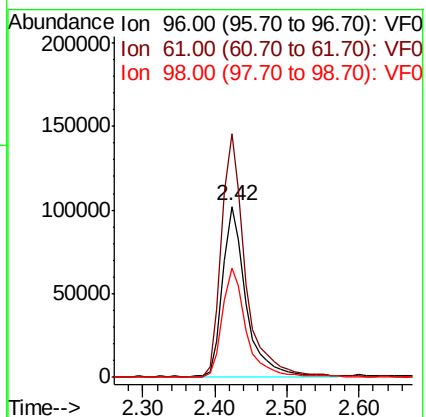
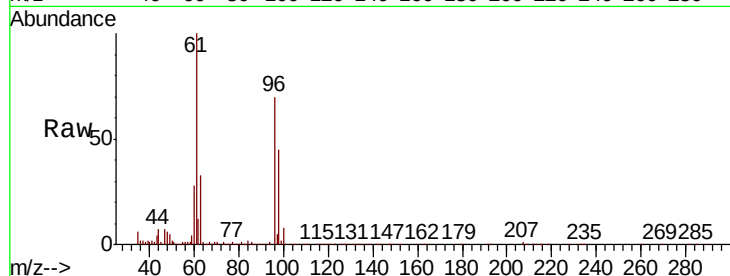
Tot Ion: 96 Resp: 227453

Ion Ratio Lower Upper

96 100

61 142.5 117.4 176.2

98 64.0 49.8 74.8



#22

Diisopropyl ether

Concen: 53.432 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tgt Ion: 45 Resp: 671462

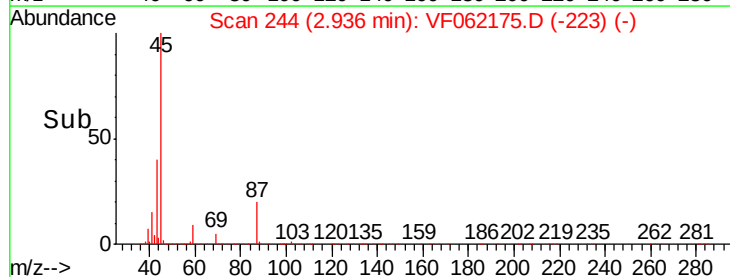
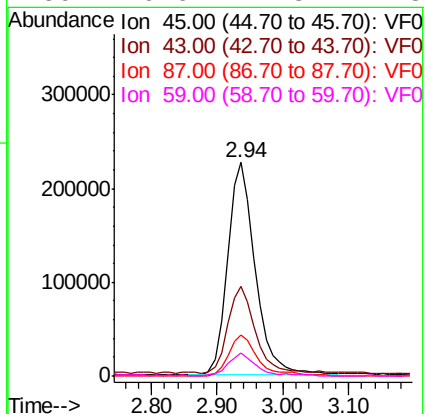
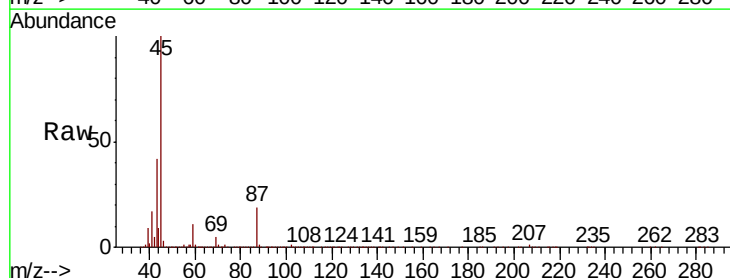
Ion Ratio Lower Upper

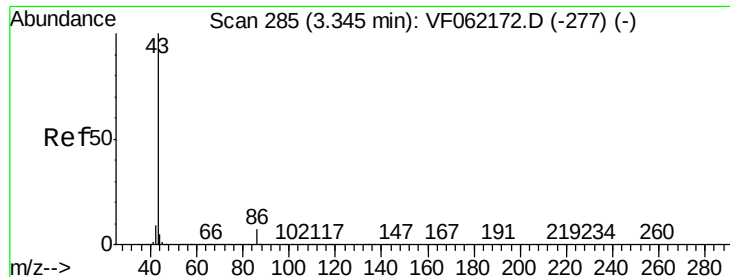
45 100

43 42.0 32.5 48.7

87 19.4 14.9 22.3

59 10.6 7.8 11.8





#23

Vinyl Acetate

Concen: 267.483 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

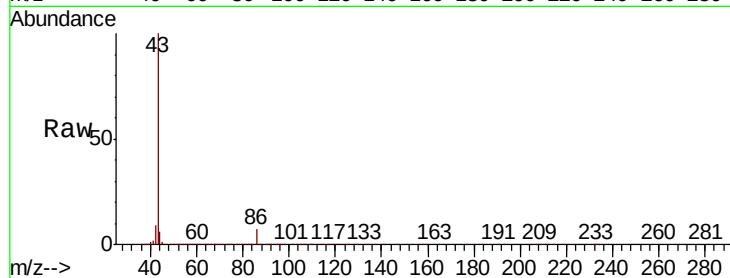
MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion: 43 Resp: 1676697

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.9	8.9

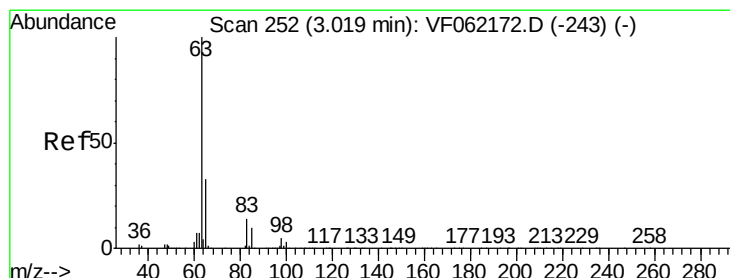
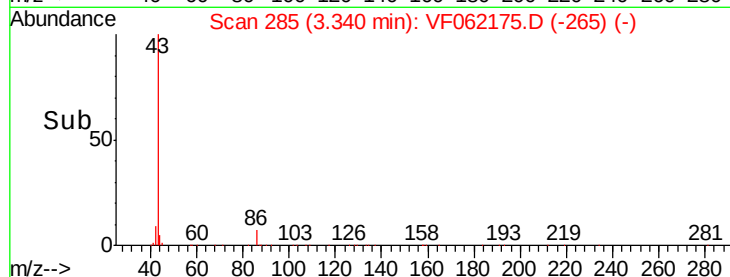


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

Time-->



#24

1,1-Dichloroethane

Concen: 53.144 ug/l

RT: 3.01 min Scan# 252

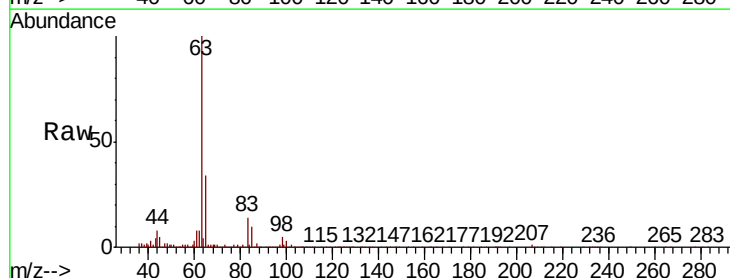
Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tgt Ion: 63 Resp: 371904

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.6	8.0
100	3.5	1.7	5.1



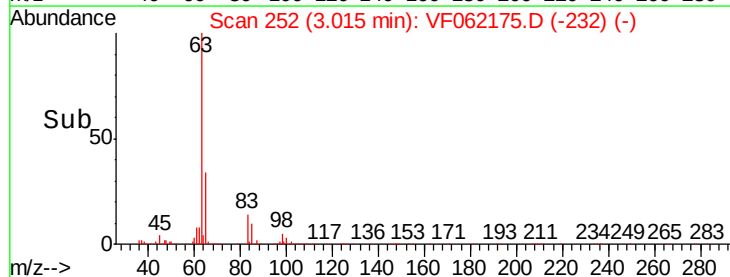
Abundance Ion 63.00 (62.70 to 63.70): VF0

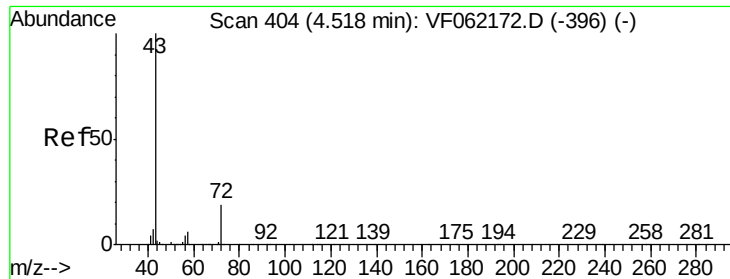
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.01

Time-->





#25

2-Butanone

Concen: 259.087 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

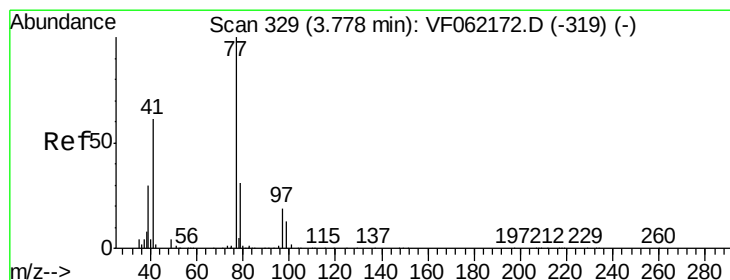
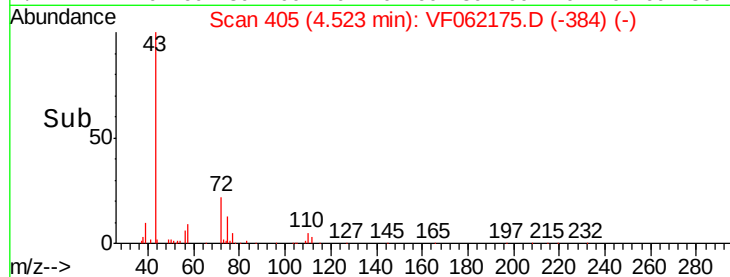
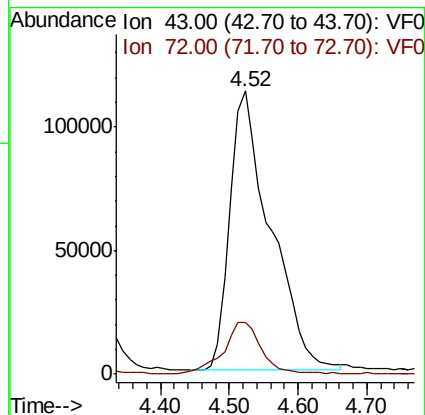
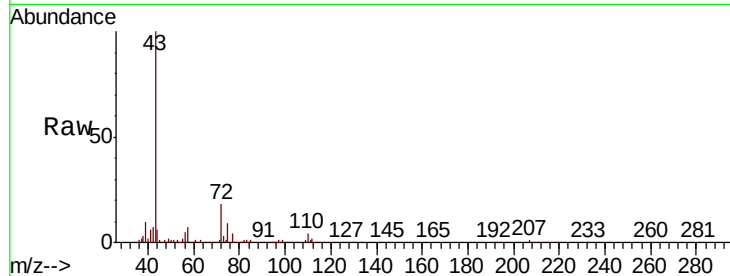
ICVVF041619

Tot Ion: 43 Resp: 462268

Ion Ratio Lower Upper

43 100

72 18.2 15.4 23.2



#26

2,2-Dichloropropane

Concen: 54.392 ug/l

RT: 3.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF062175.D

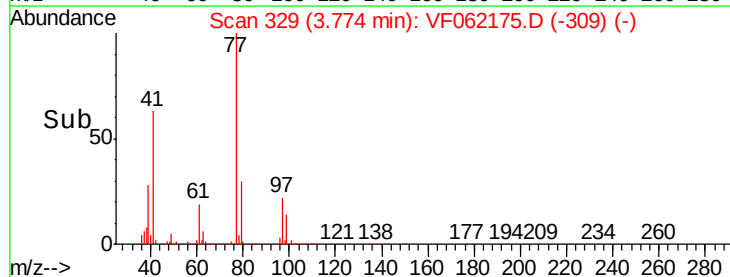
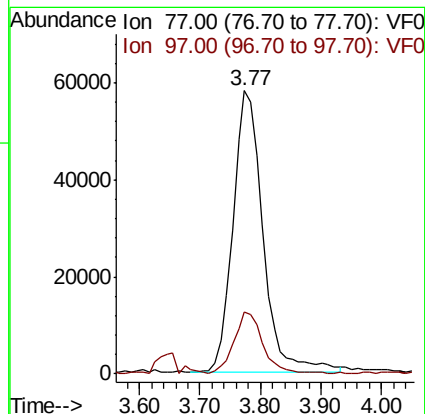
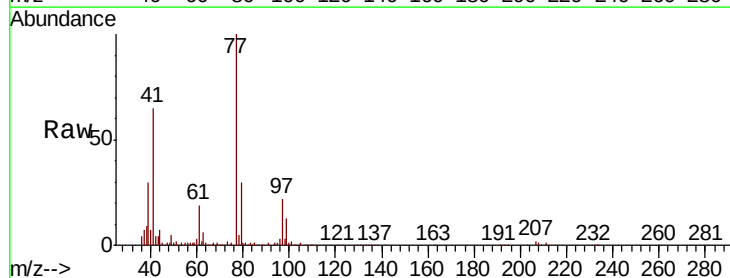
Acq: 16 Apr 2019 14:40

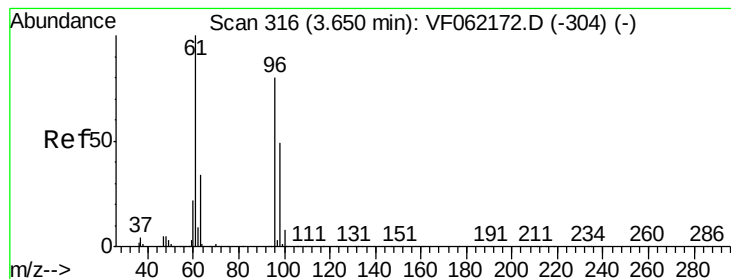
Tgt Ion: 77 Resp: 200203

Ion Ratio Lower Upper

77 100

97 22.0 10.3 30.9



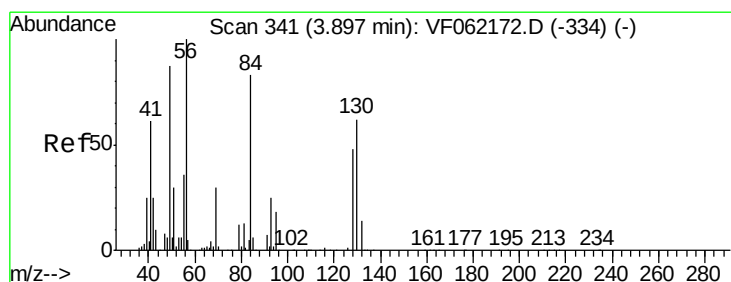
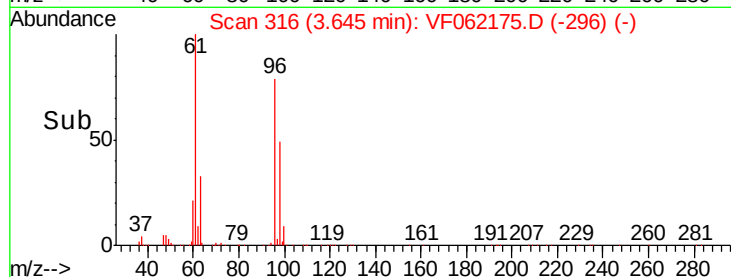
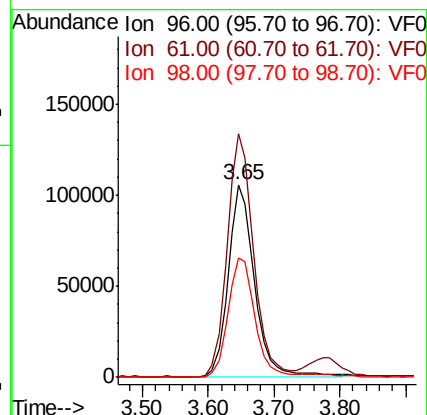
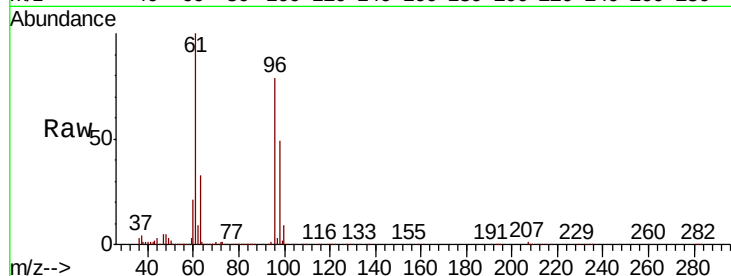


#27

cis-1,2-Dichloroethene
 Concen: 51.572 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041619

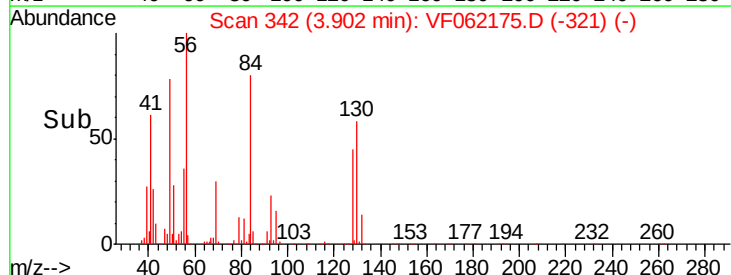
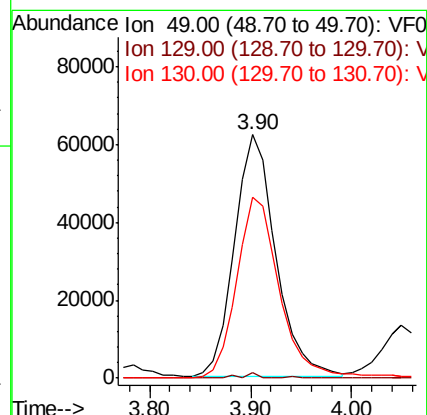
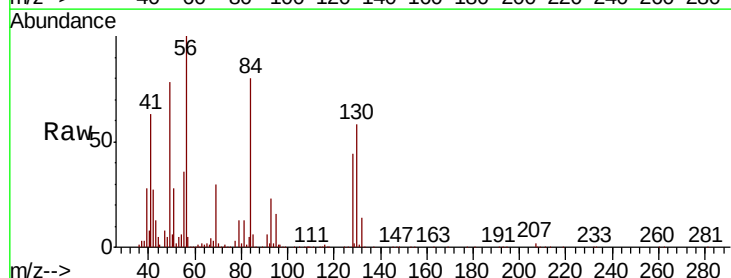
Tot Ion	Ratio	Lower	Upper
96	100		
61	126.2	0.0	248.2
98	62.1	0.0	122.4

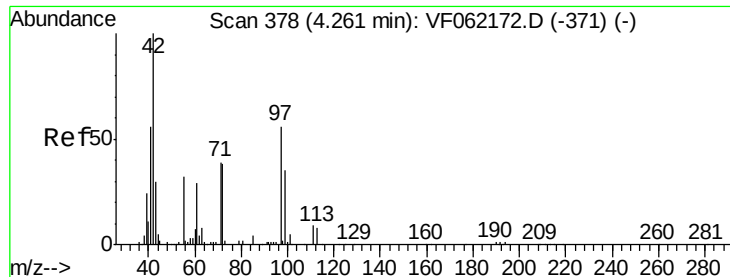


#28

Bromochloromethane
 Concen: 53.067 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	0.0#
130	74.3	56.5	84.7





#29

Tetrahydrofuran

Concen: 245.215 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

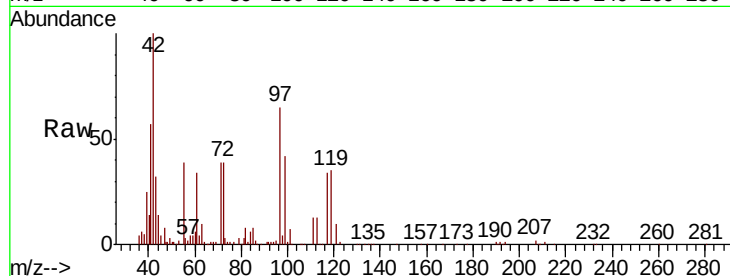
Tot Ion: 42 Resp: 194595

Ion Ratio Lower Upper

42 100

72 37.2 28.7 43.1

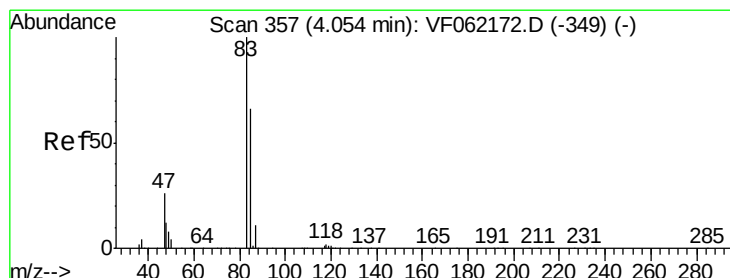
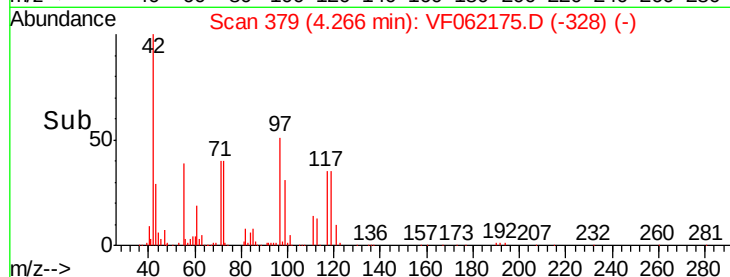
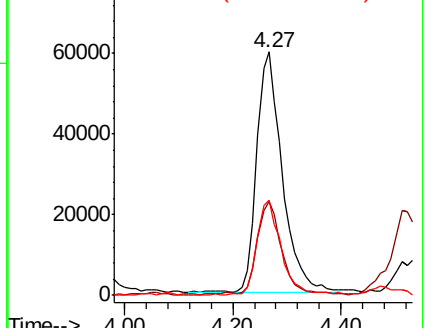
71 37.2 30.8 46.2



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 50.573 ug/l

RT: 4.05 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF062175.D

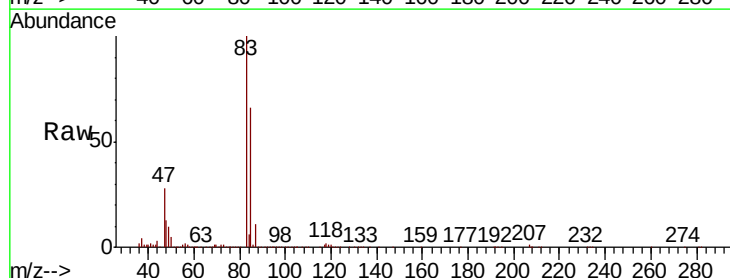
Acq: 16 Apr 2019 14:40

Tgt Ion: 83 Resp: 439995

Ion Ratio Lower Upper

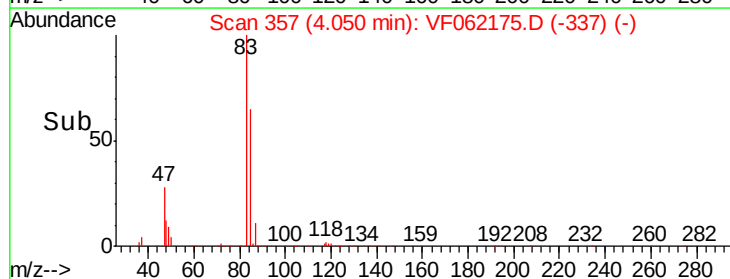
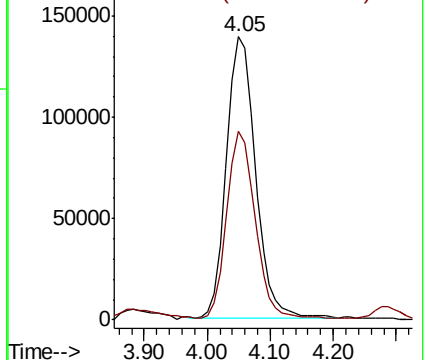
83 100

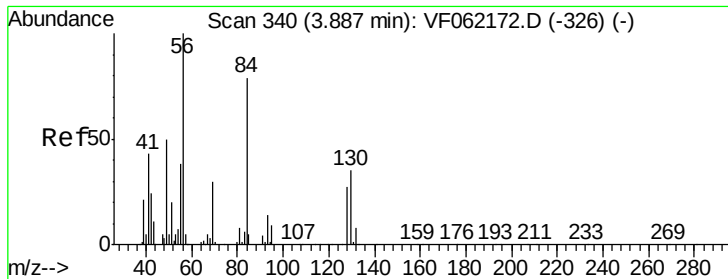
85 66.4 53.5 80.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 54.453 ug/l

RT: 3.88 min Scan# 340

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

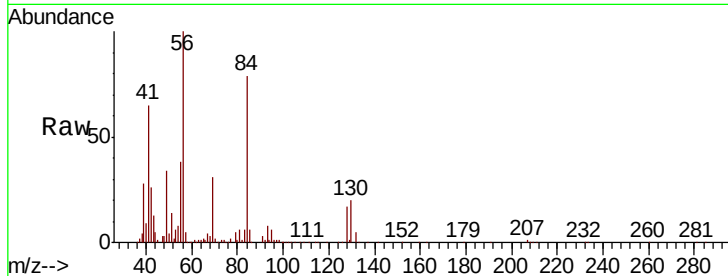
Tot Ion: 56 Resp: 492309

Ion Ratio Lower Upper

56 100

69 31.4 24.4 36.6

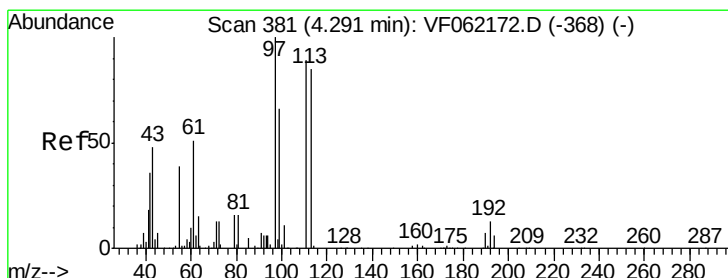
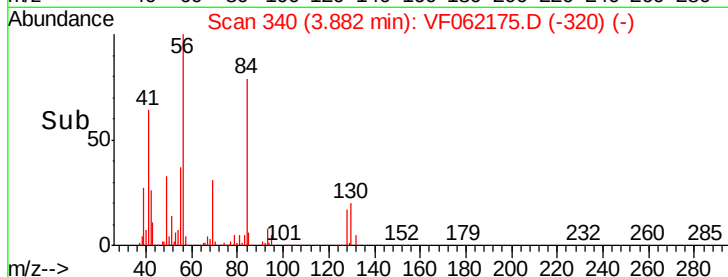
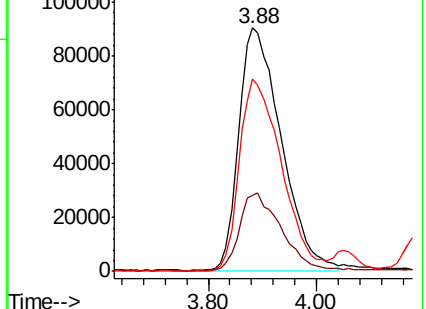
84 78.8 63.4 95.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 53.704 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

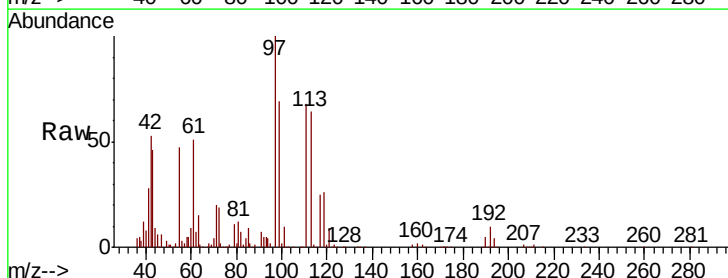
Tgt Ion: 97 Resp: 318600

Ion Ratio Lower Upper

97 100

99 68.7 52.3 78.5

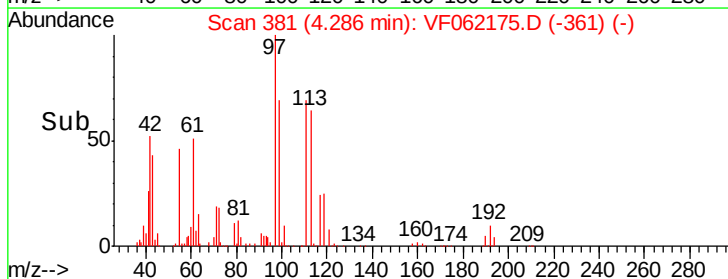
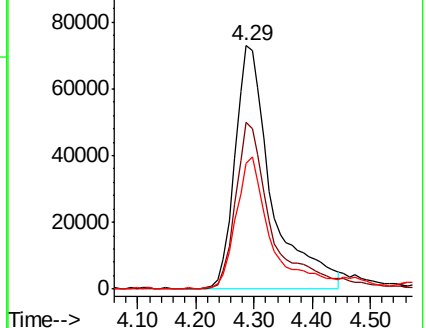
61 51.5 40.9 61.3

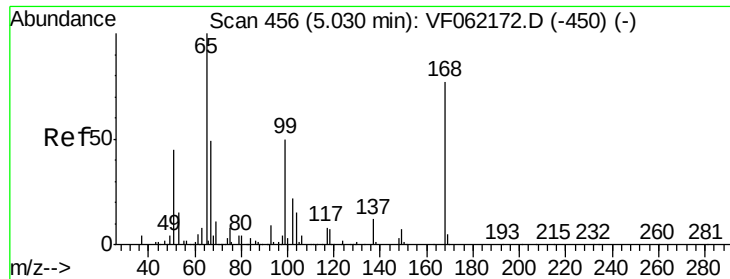


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

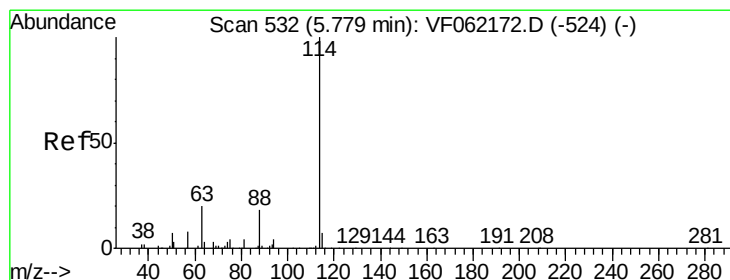
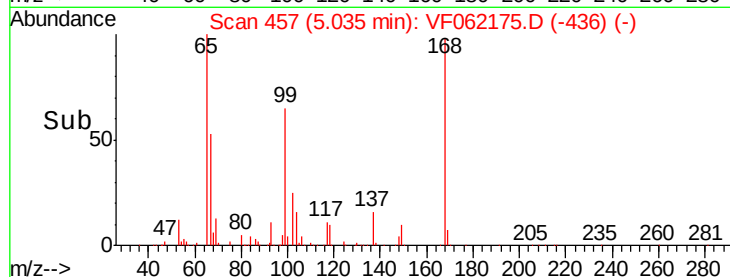
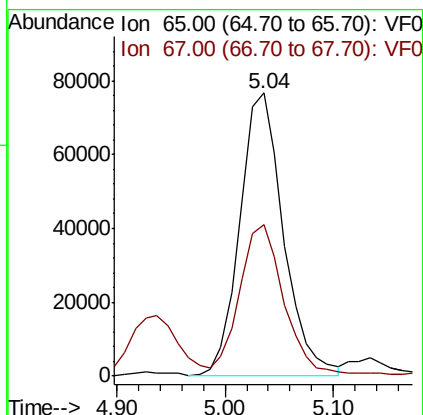
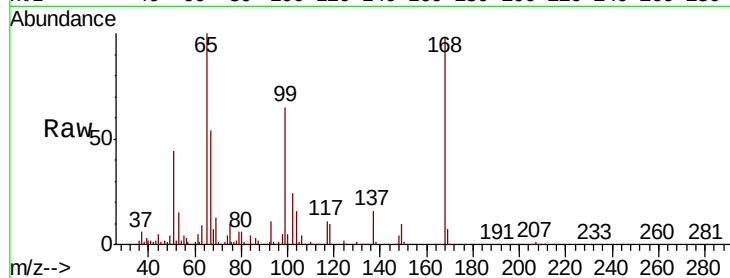




#33
 1,2-Dichloroethane-d4
 Concen: 57.995 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

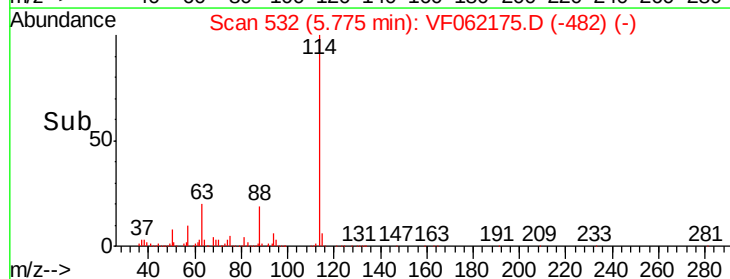
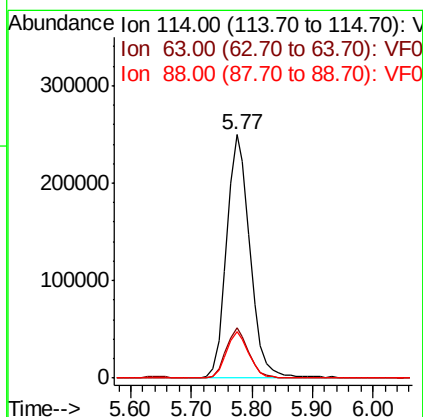
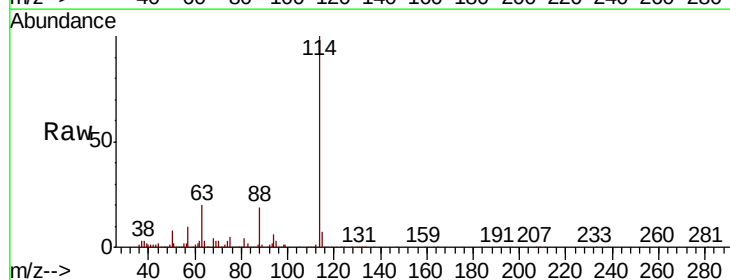
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV041619

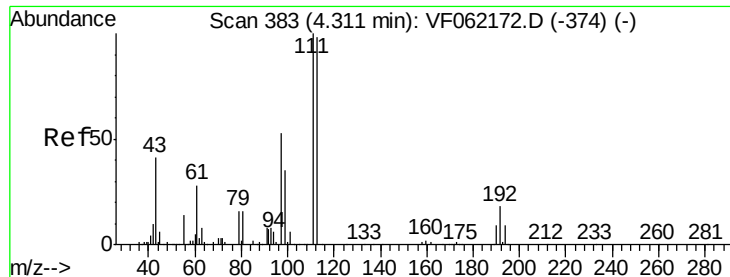
Tot Ion: 65 Resp: 213642
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Tgt Ion: 114 Resp: 670193
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.0
 88 19.0 0.0 36.6

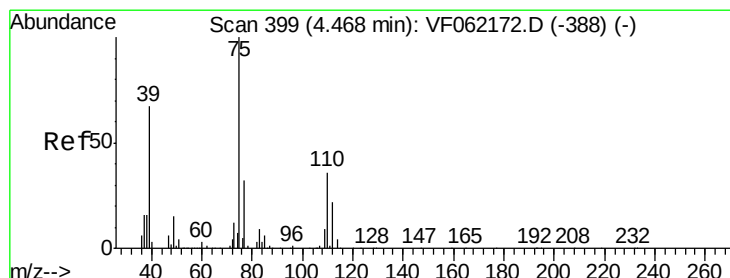
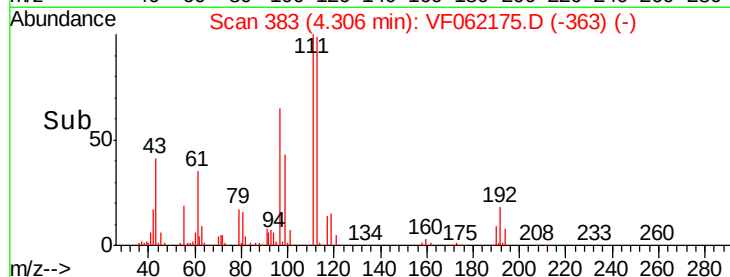
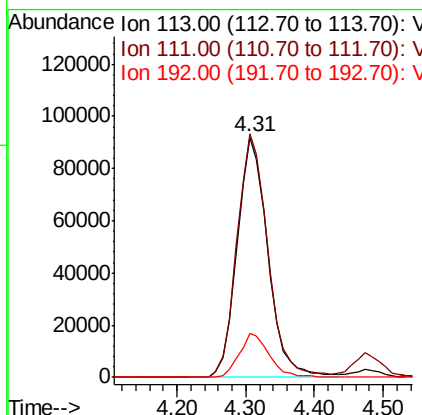
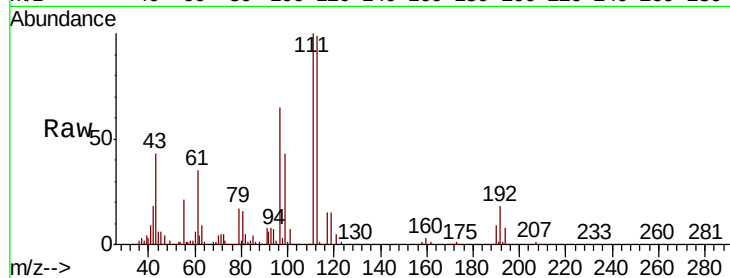




#35
 Dibromofluoromethane
 Concen: 53.831 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

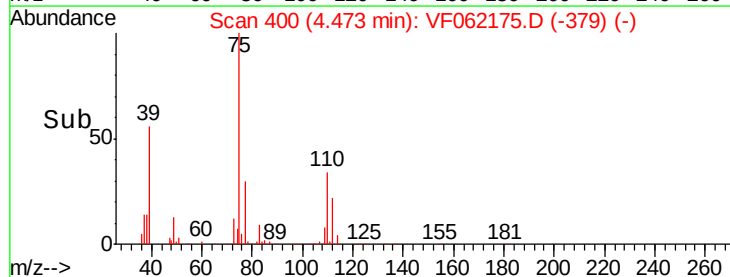
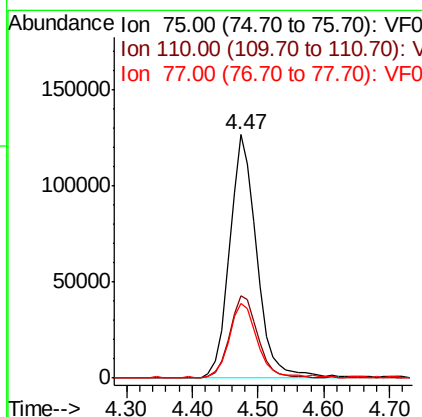
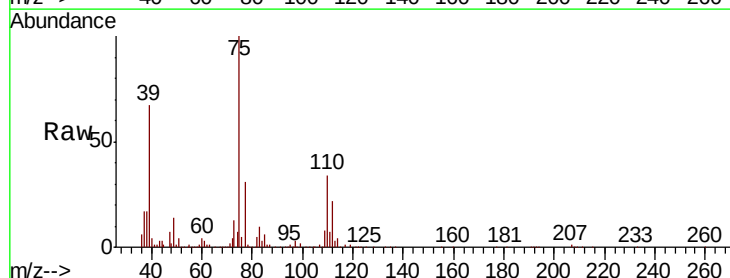
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041619

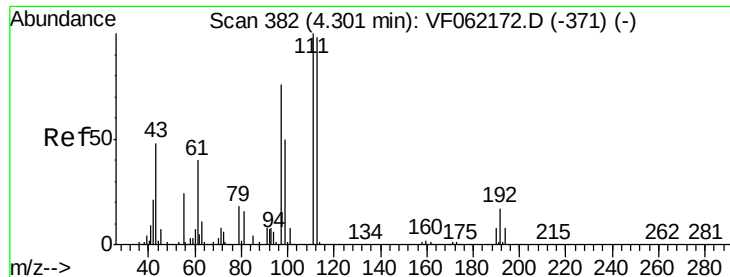
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.6	122.4
192	18.1	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 49.280 ug/l
 RT: 4.47 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.9	53.8
77	30.7	25.6	38.4

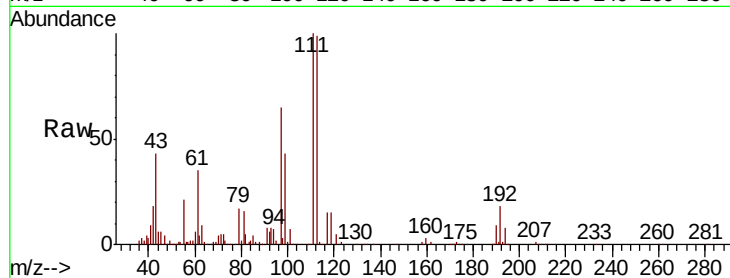




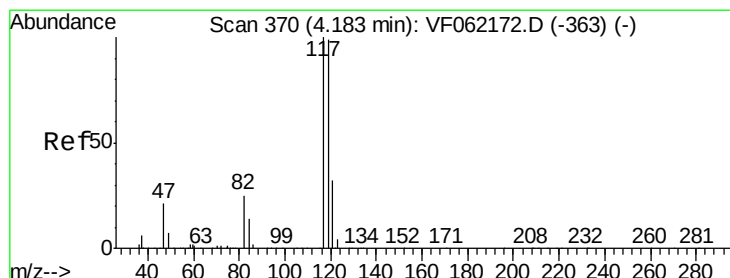
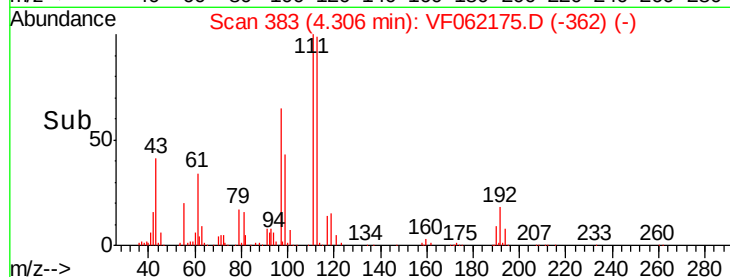
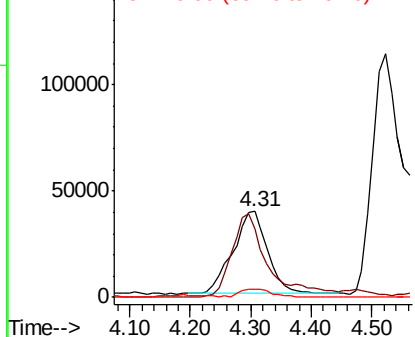
#37
Ethyl Acetate
Concen: 44.845 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

Tot Ion: 43 Resp: 153868
Ion Ratio Lower Upper
43 100
61 80.2 64.9 97.3
70 9.7 7.8 11.8

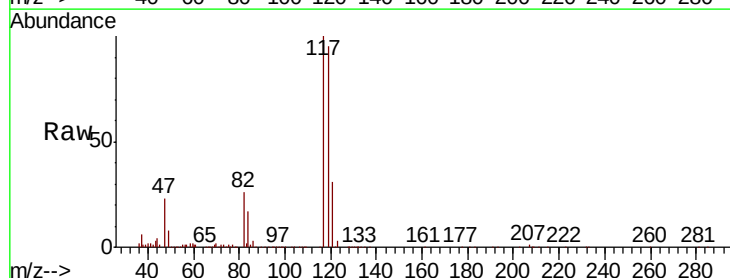


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

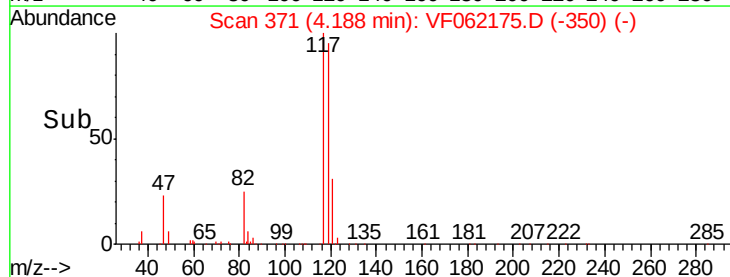
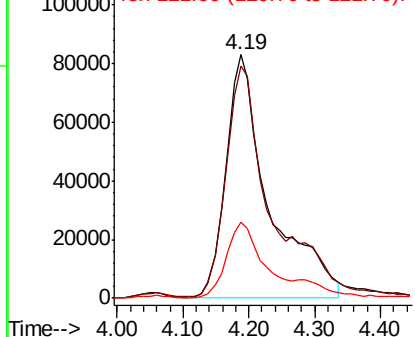


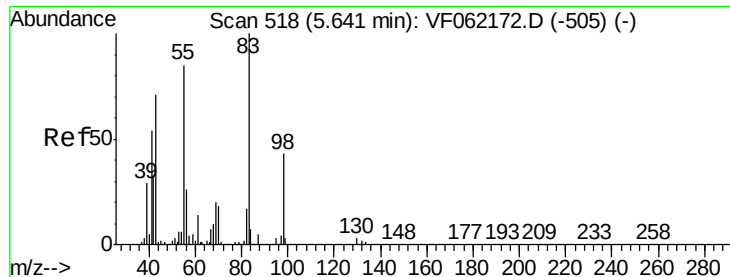
#38
Carbon Tetrachloride
Concen: 59.070 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion: 117 Resp: 378589
Ion Ratio Lower Upper
117 100
119 95.1 78.9 118.3
121 31.3 25.3 37.9



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

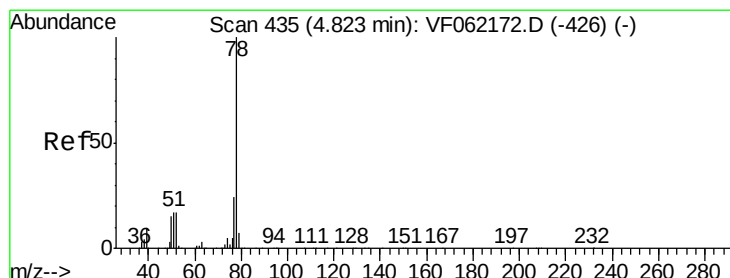
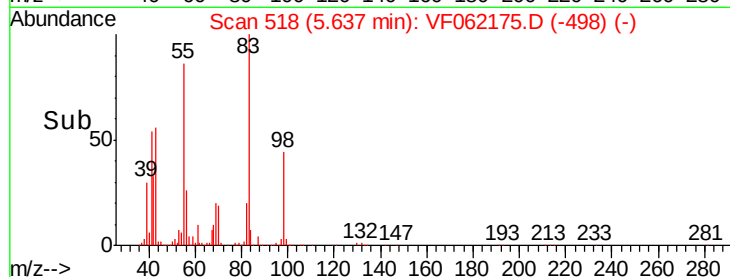
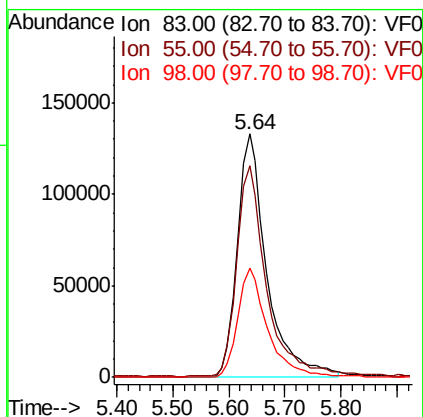
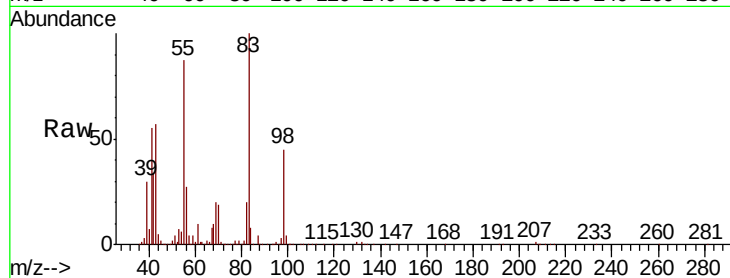




#39
Methylvlcyclohexane
Concen: 51.762 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

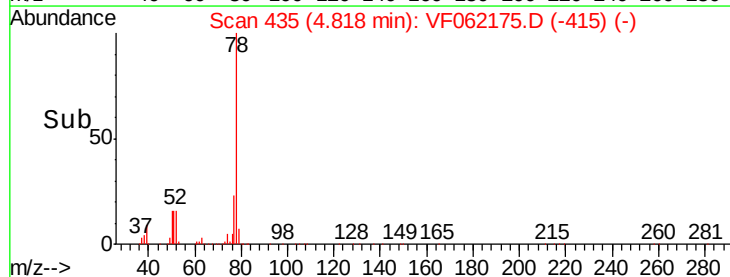
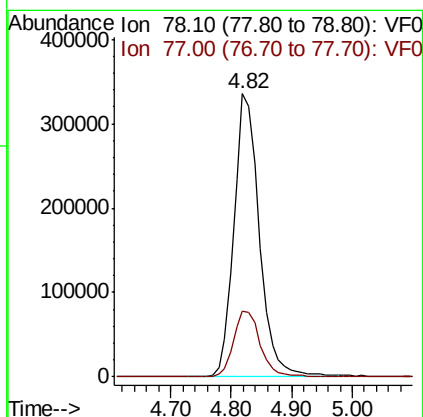
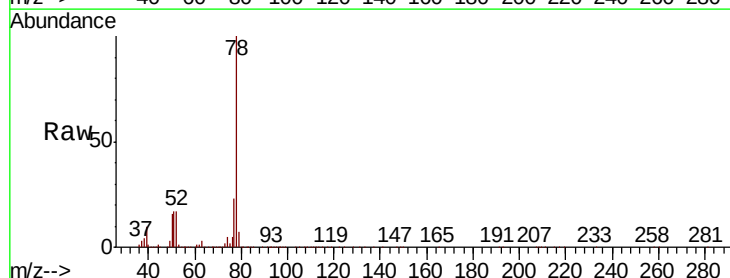
Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

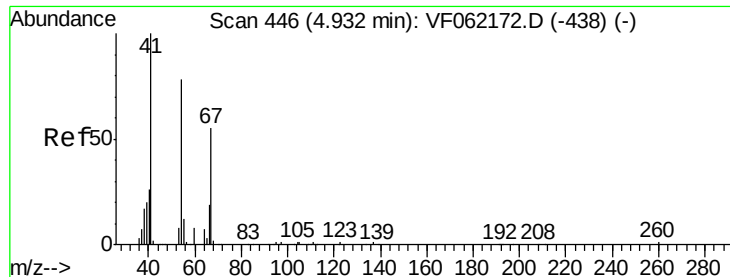
Tot Ion: 83 Resp: 483015
Ion Ratio Lower Upper
83 100
55 86.7 68.2 102.2
98 44.6 34.4 51.6



#40
Benzene
Concen: 49.886 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion: 78 Resp: 981230
Ion Ratio Lower Upper
78 100
77 23.0 19.1 28.7

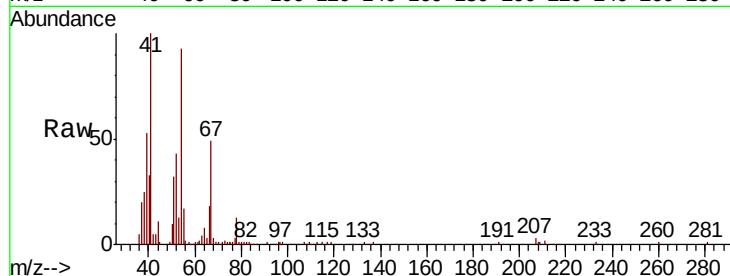




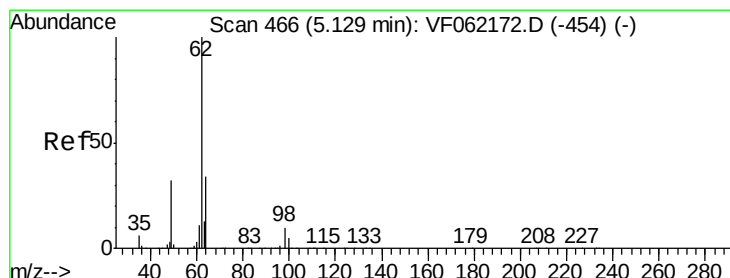
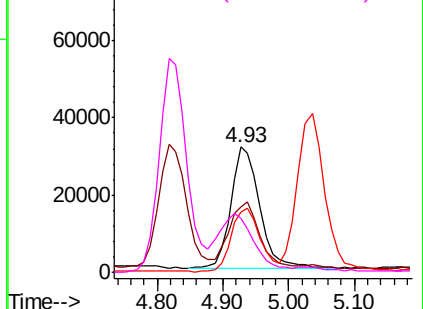
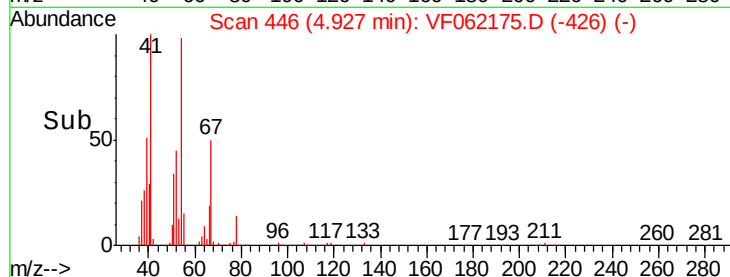
#41
Methacrylonitrile
Concen: 47.203 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

Tot Ion:	41	Resp:	97314
Ion	Ratio	Lower	Upper
41	100		
39	52.7	43.5	65.3
67	48.7	42.9	64.3
52	43.2	30.4	45.6

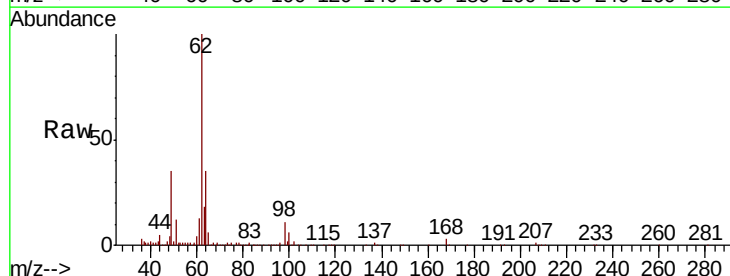


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

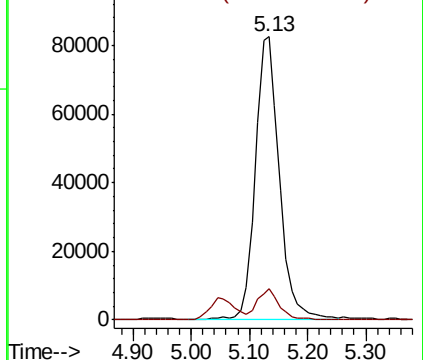
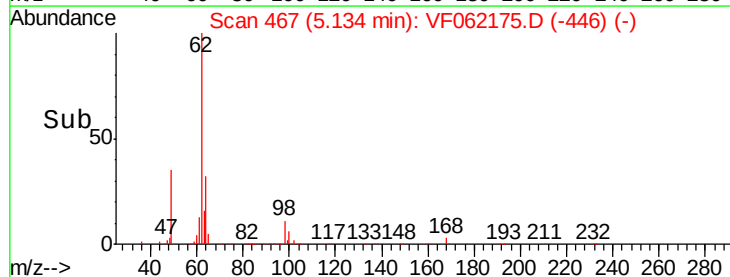


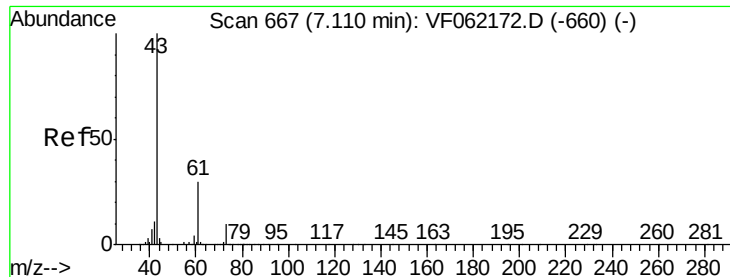
#42
1,2-Dichloroethane
Concen: 48.314 ug/l
RT: 5.13 min Scan# 467
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion:	62	Resp:	240520
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.0



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 46.674 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

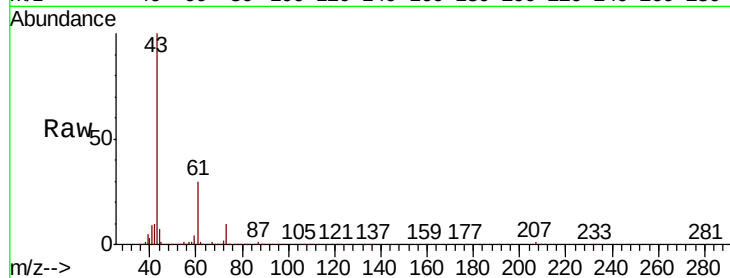
Tot Ion: 43 Resp: 185020

Ion Ratio Lower Upper

43 100

61 29.7 23.7 35.5

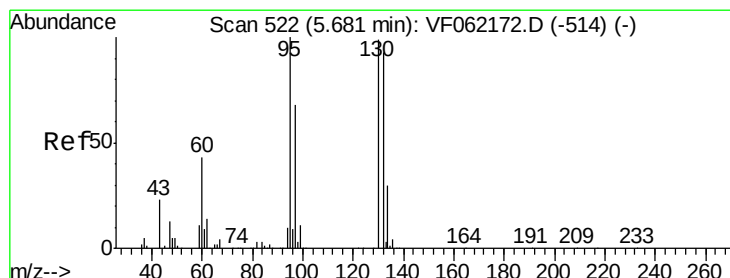
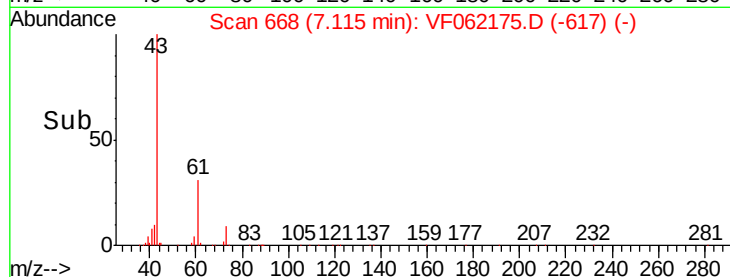
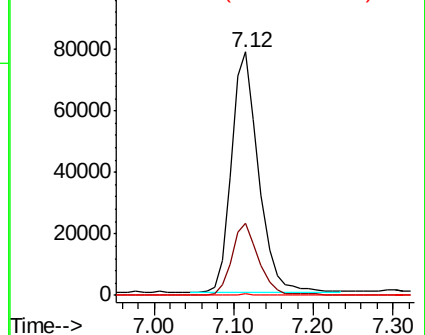
87 0.5 0.3 0.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 49.456 ug/l

RT: 5.69 min Scan# 523

Delta R.T. 0.01 min

Lab File: VF062175.D

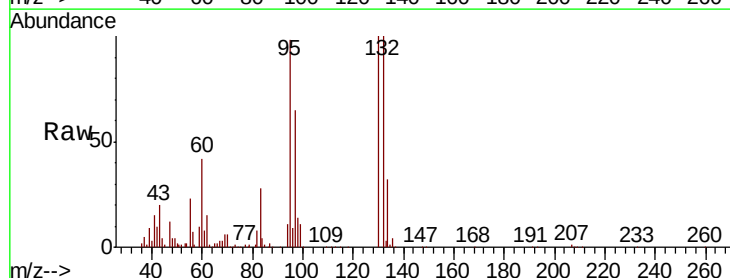
Acq: 16 Apr 2019 14:40

Tgt Ion:130 Resp: 260370

Ion Ratio Lower Upper

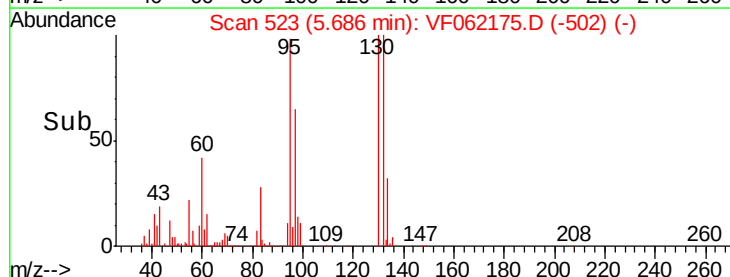
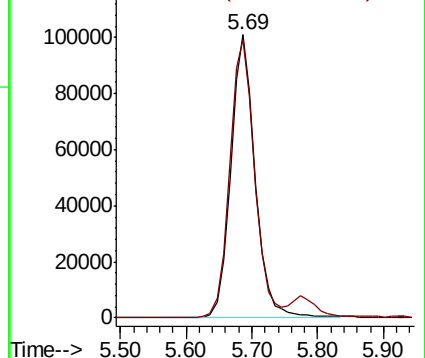
130 100

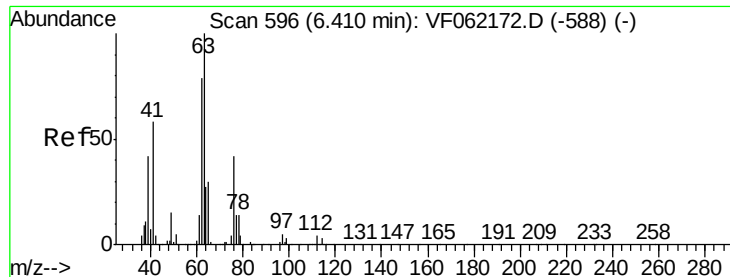
95 98.3 0.0 202.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 47.609 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

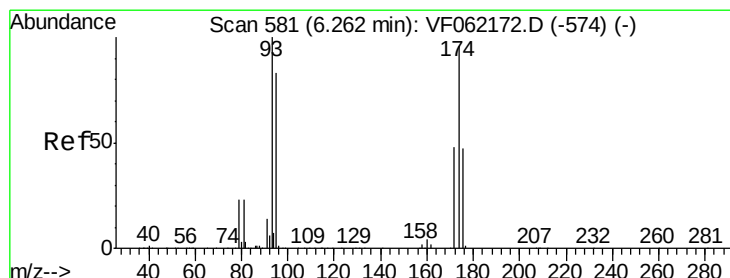
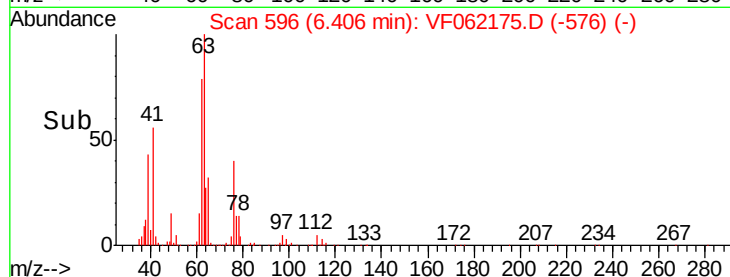
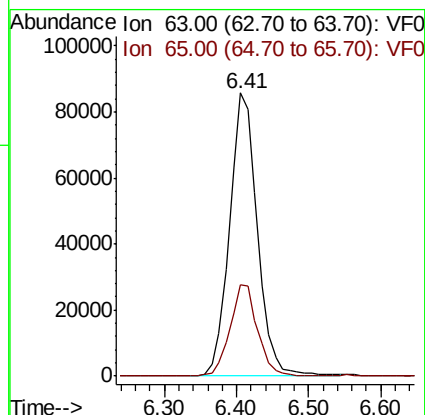
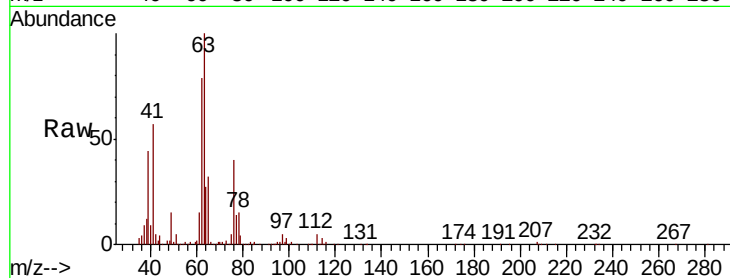
ICVVF041619

Tot Ion: 63 Resp: 229732

Ion Ratio Lower Upper

63 100

65 32.3 23.7 35.5



#46

Dibromomethane

Concen: 47.282 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

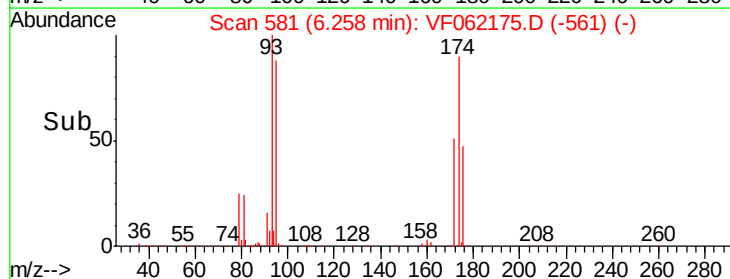
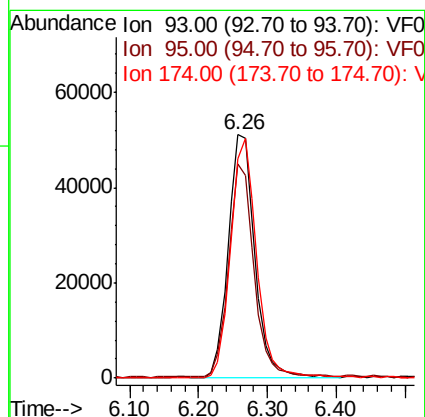
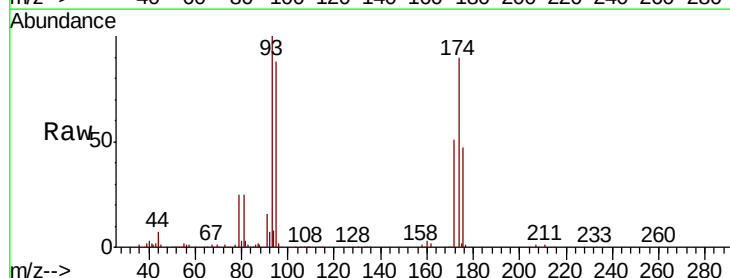
Tgt Ion: 93 Resp: 137580

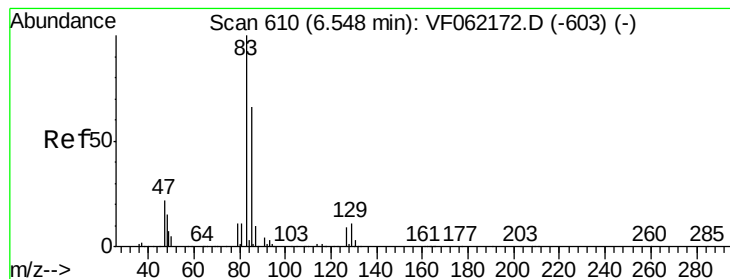
Ion Ratio Lower Upper

93 100

95 87.8 67.0 100.6

174 90.2 76.3 114.5





#47

Bromodichloromethane

Concen: 47.083 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

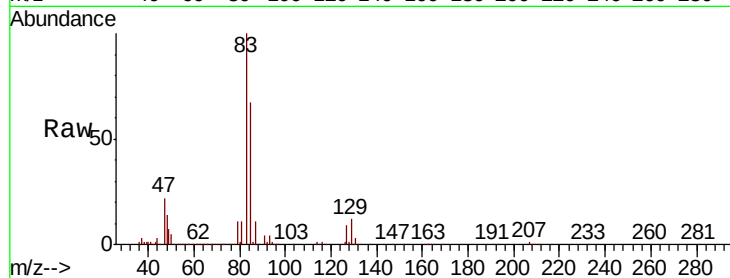
Tot Ion: 83 Resp: 310375

Ion Ratio Lower Upper

83 100

85 67.2 52.6 79.0

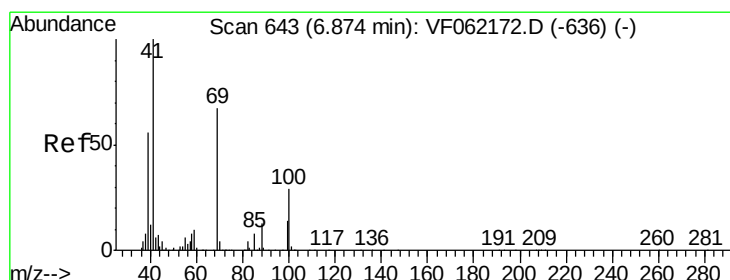
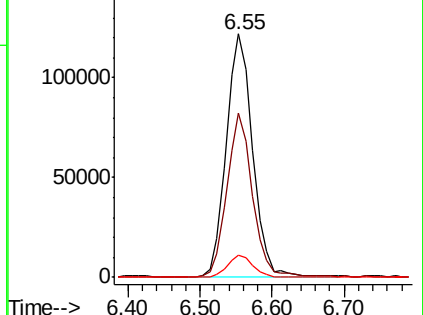
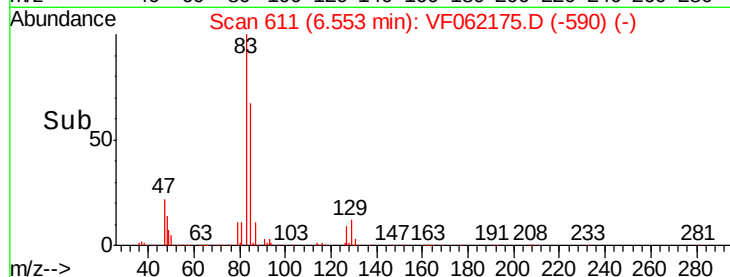
127 9.3 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 47.902 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

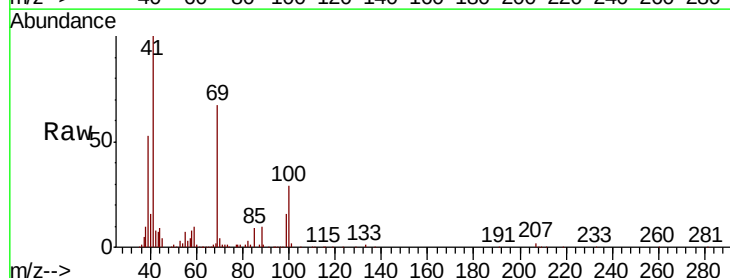
Tgt Ion: 41 Resp: 124332

Ion Ratio Lower Upper

41 100

69 66.7 52.8 79.2

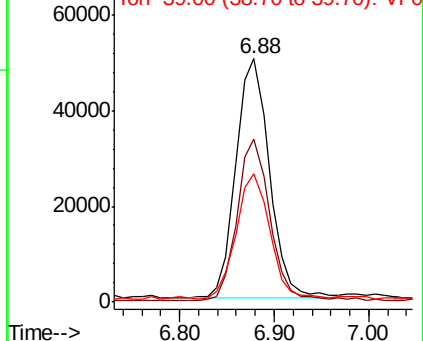
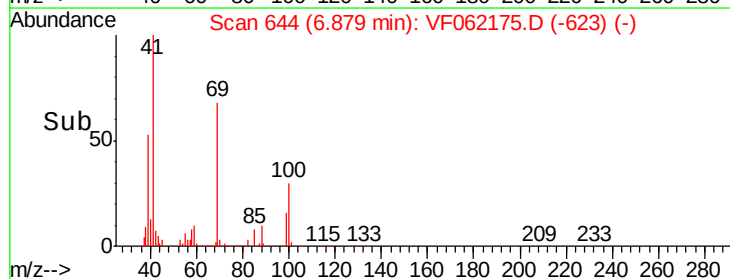
39 52.9 45.0 67.4

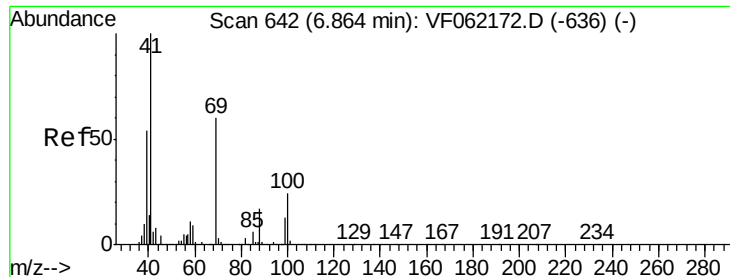


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

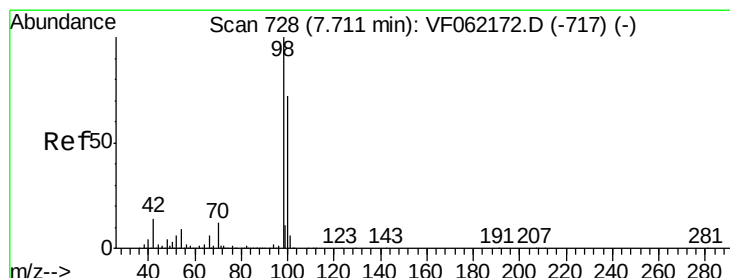
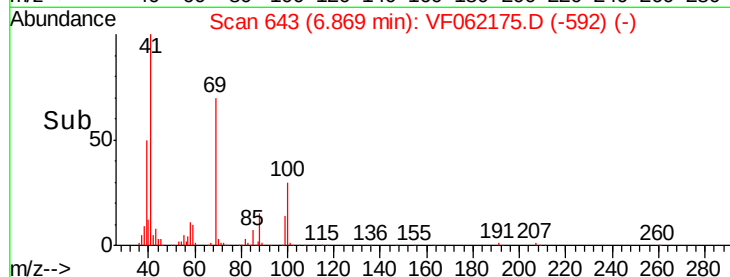
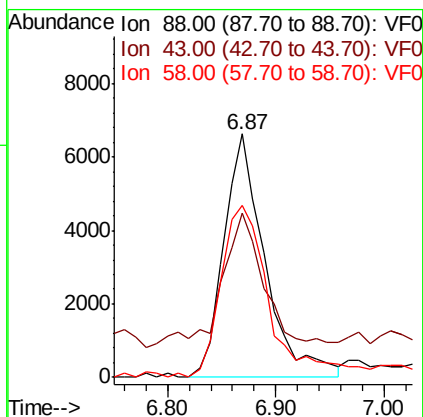
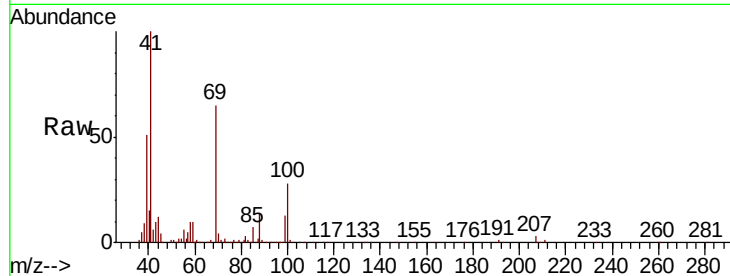




#49
 1,4-Dioxane
 Concen: 866.365 ug/l
 RT: 6.87 min Scan# 643
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

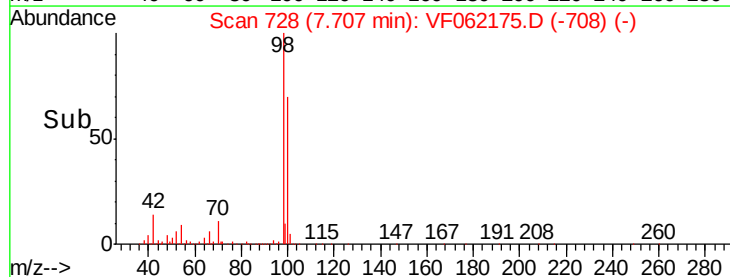
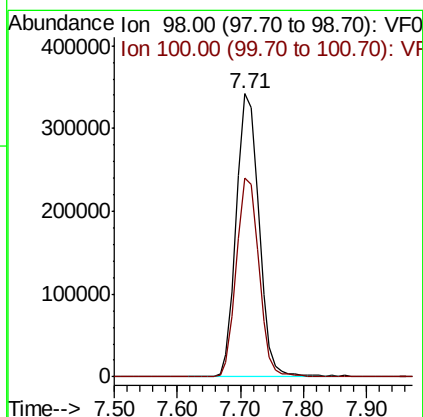
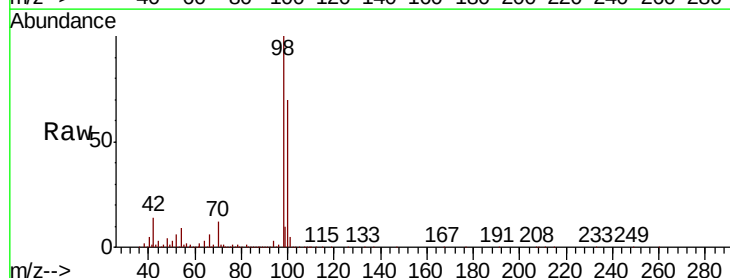
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF041619

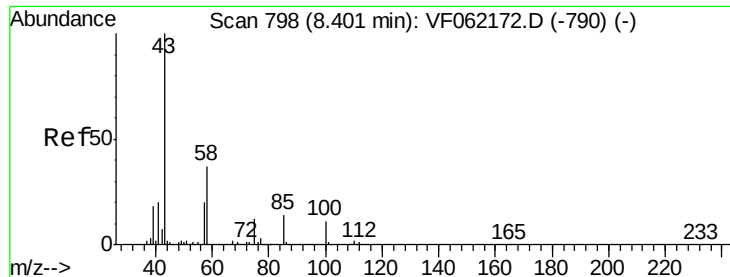
Tot Ion: 88 Resp: 17523
 Ion Ratio Lower Upper
 88 100
 43 67.6 49.5 74.3
 58 70.4 52.6 79.0



#50
 Toluene-d8
 Concen: 55.099 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Tgt Ion: 98 Resp: 851229
 Ion Ratio Lower Upper
 98 100
 100 70.5 57.4 86.0





#51

4-Methyl-2-Pentanone

Concen: 223.975 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

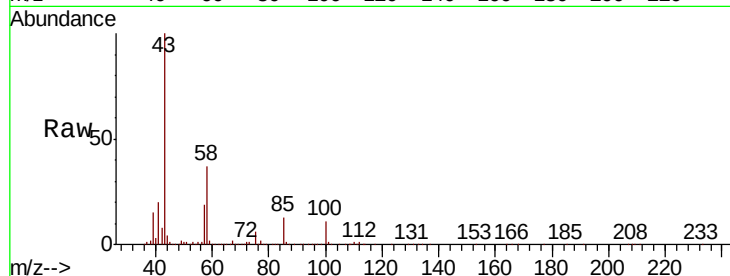
ICVVF041619

Tot Ion: 43 Resp: 684190

Ion Ratio Lower Upper

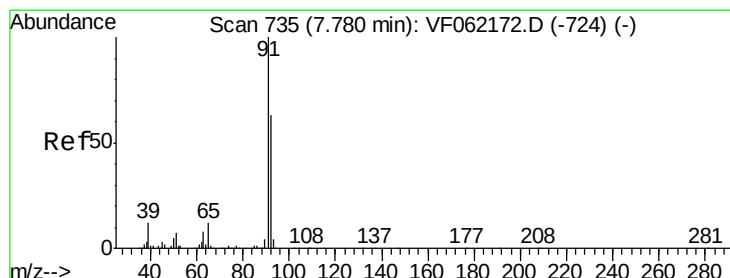
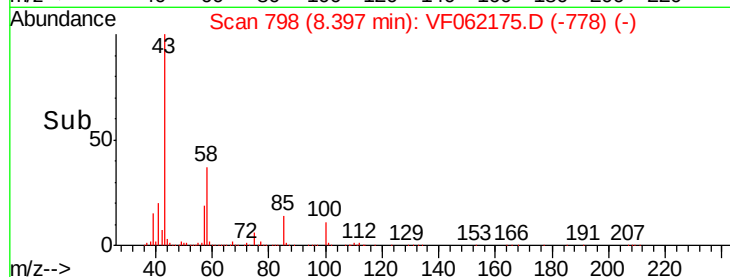
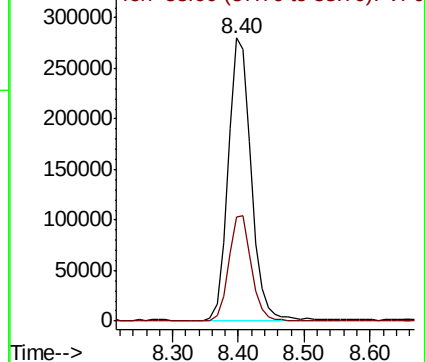
43 100

58 37.0 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 47.359 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF062175.D

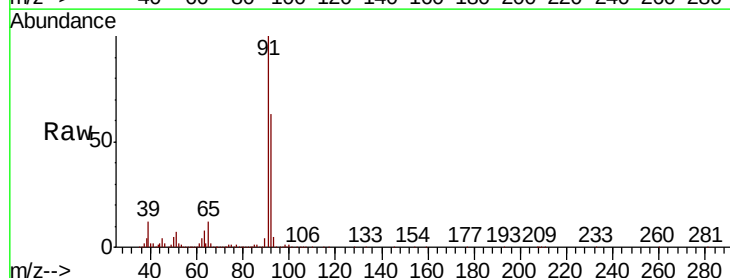
Acq: 16 Apr 2019 14:40

Tgt Ion: 92 Resp: 547225

Ion Ratio Lower Upper

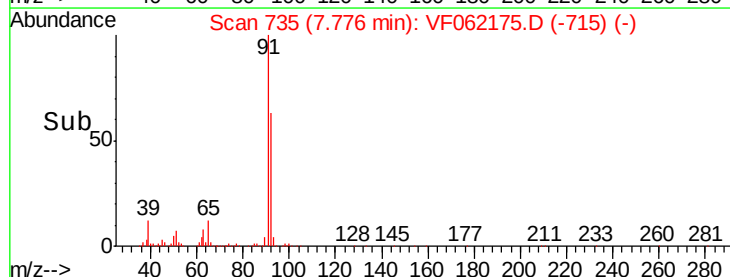
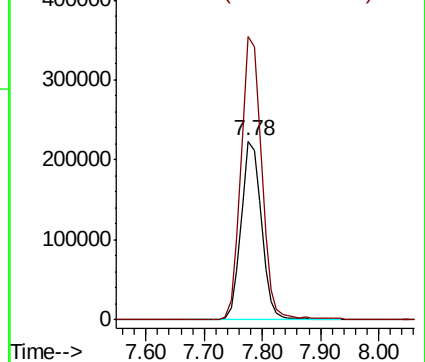
92 100

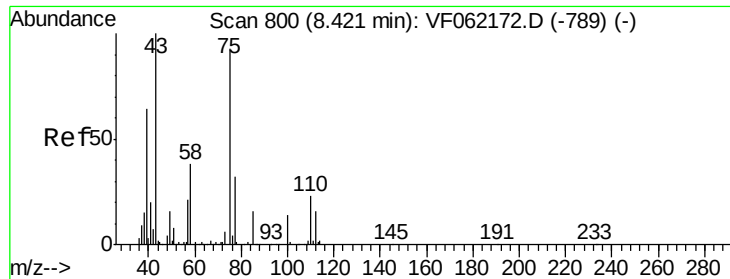
91 158.6 126.9 190.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

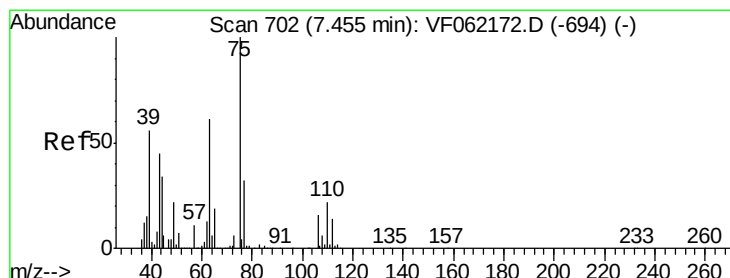
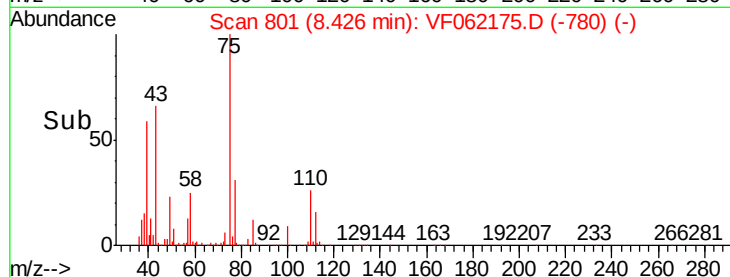
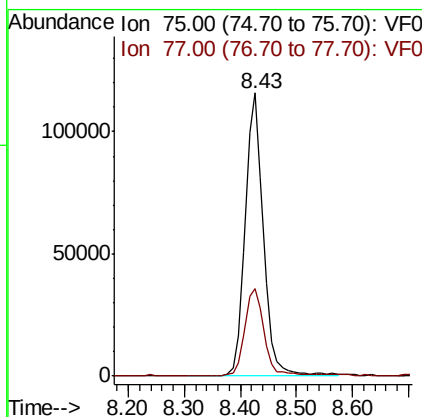
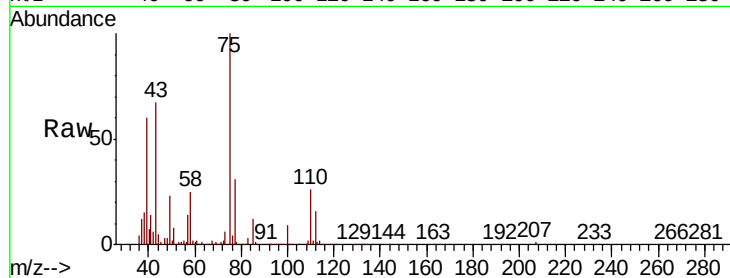




#53
 t-1,3-Dichloropropene
 Concen: 45.749 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

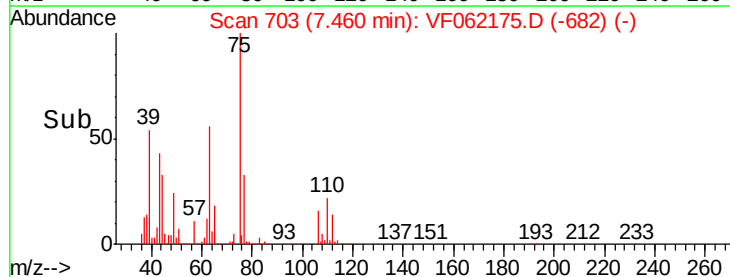
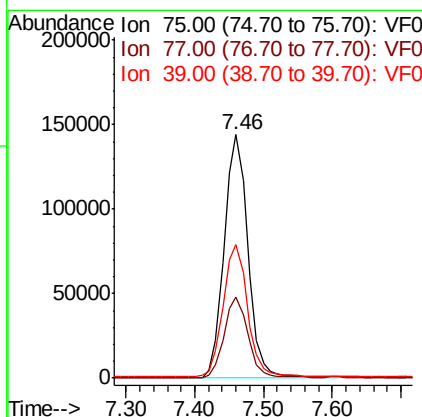
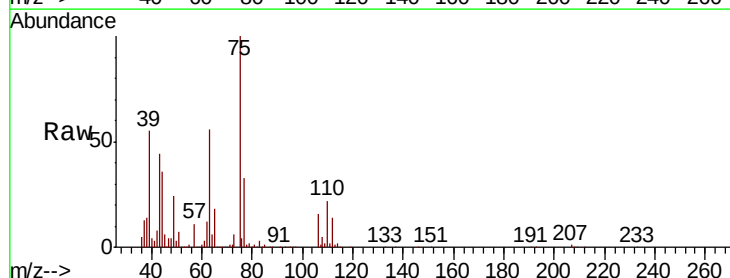
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041619

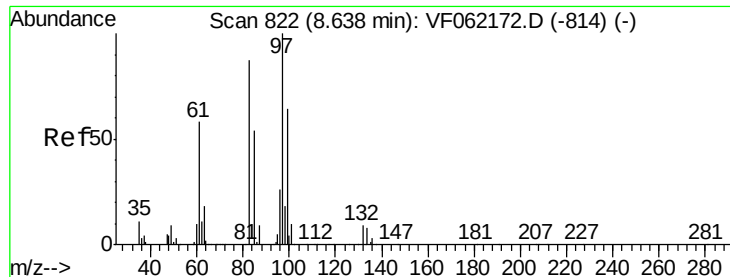
Tot Ion: 75 Resp: 261223
 Ion Ratio Lower Upper
 75 100
 77 30.8 27.8 41.6



#54
 cis-1,3-Dichloropropene
 Concen: 47.741 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Tgt Ion: 75 Resp: 346634
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.0 39.0
 39 54.9 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 45.641 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion: 97 Resp: 151046

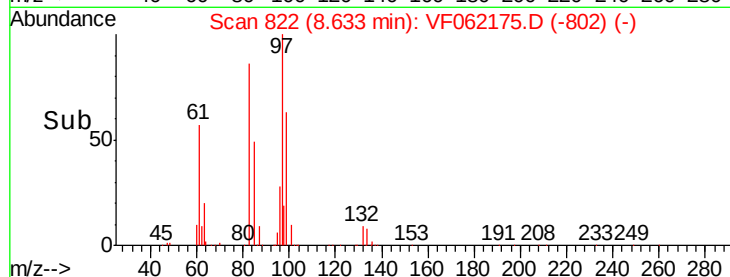
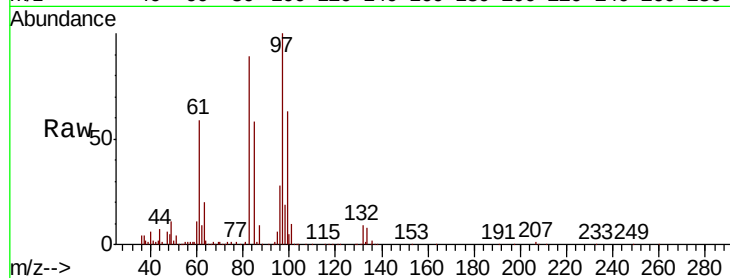
Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.6	104.4
85	58.5	43.5	65.3
99	62.6	51.5	77.3

97 100

83 88.5 69.6 104.4

85 58.5 43.5 65.3

99 62.6 51.5 77.3

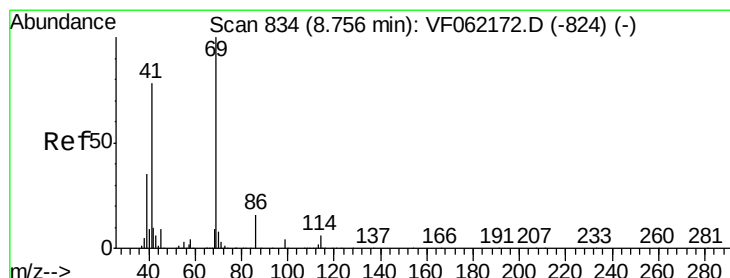
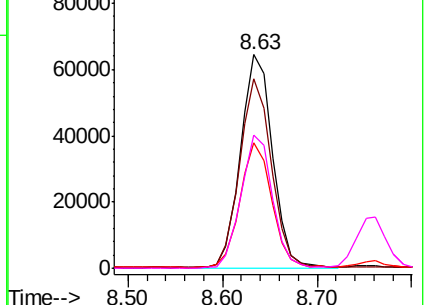


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 43.708 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

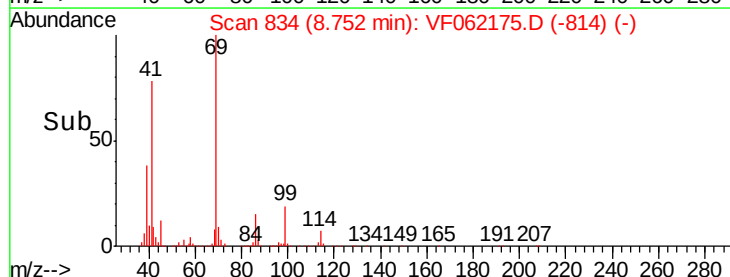
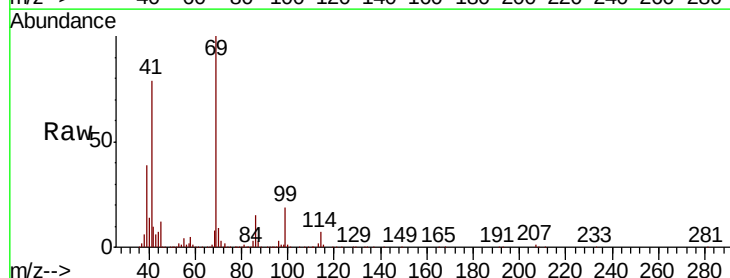
Tgt Ion: 69 Resp: 172002

Ion	Ratio	Lower	Upper
69	100		
41	79.1	63.4	95.0
39	39.2	29.0	43.6

69 100

41 79.1 63.4 95.0

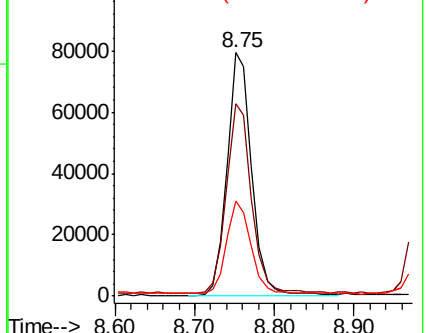
39 39.2 29.0 43.6

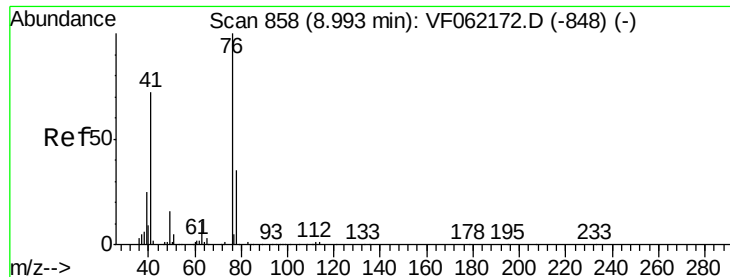


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 48.826 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

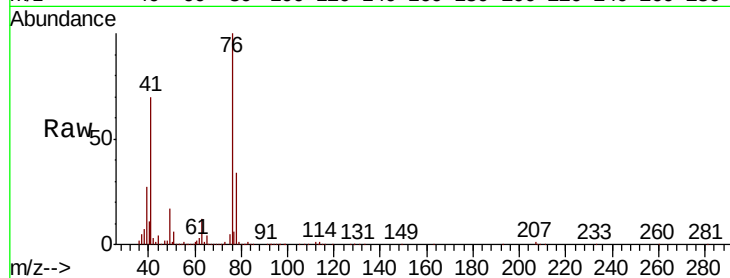
ICVVF041619

Tot Ion: 76 Resp: 265647

Ion Ratio Lower Upper

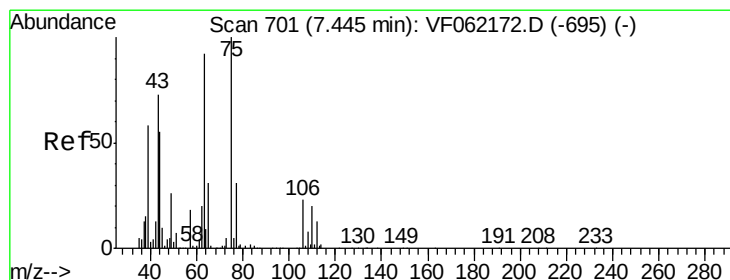
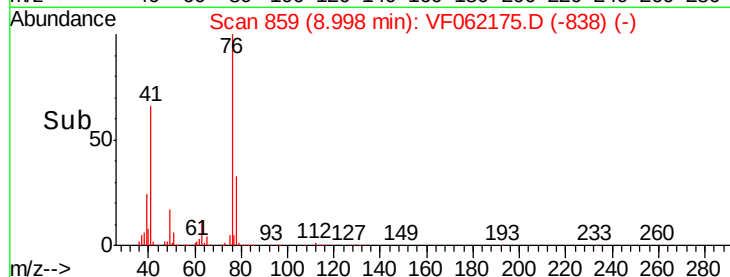
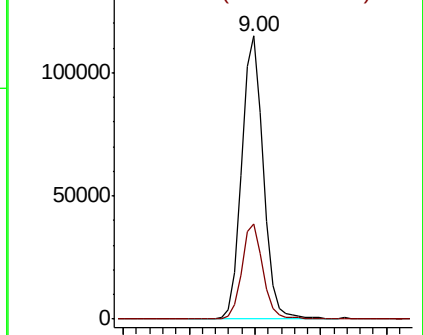
76 100

78 33.6 28.2 42.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 237.320 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF062175.D

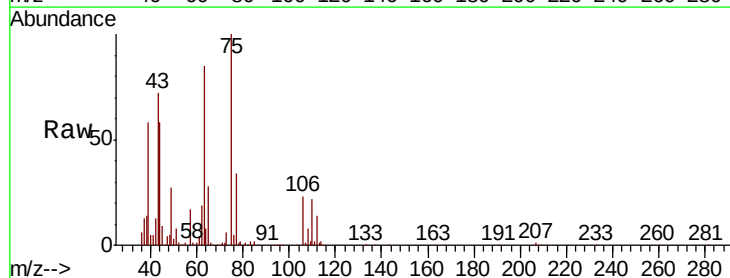
Acq: 16 Apr 2019 14:40

Tgt Ion: 63 Resp: 240623

Ion Ratio Lower Upper

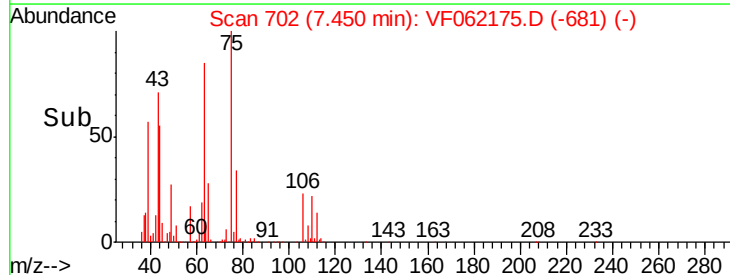
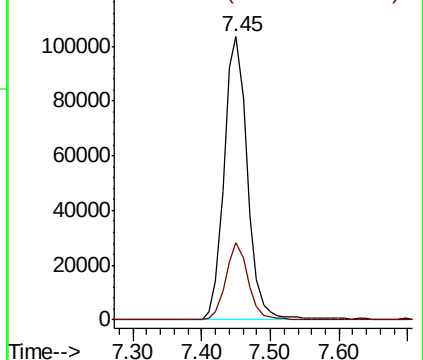
63 100

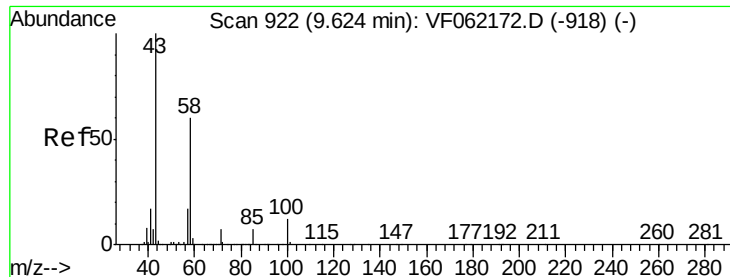
106 27.4 20.2 30.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

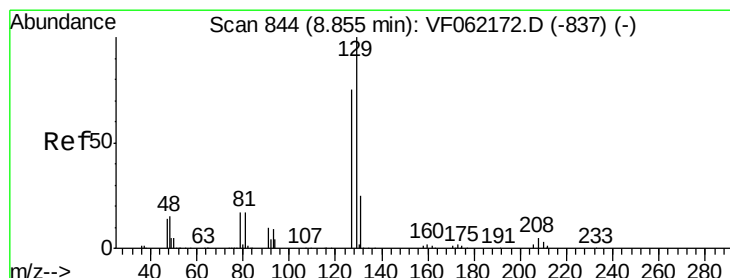
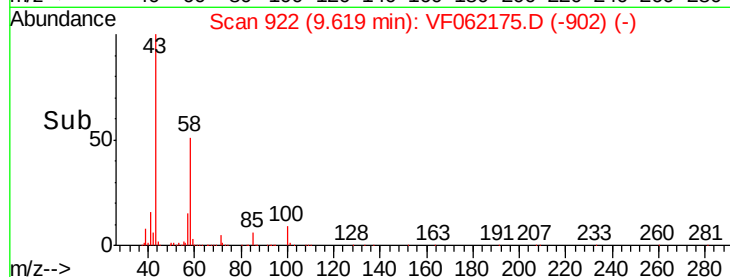
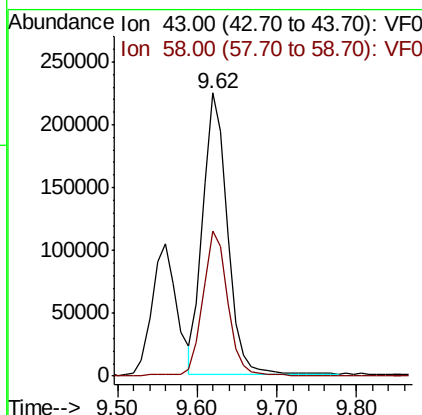
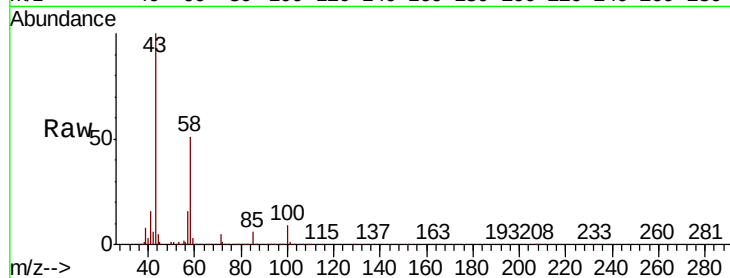




#59
2-Hexanone
Concen: 248.223 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

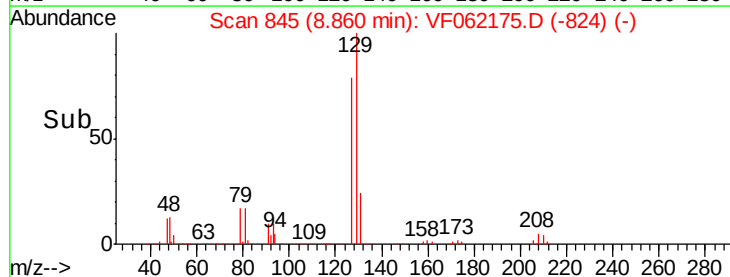
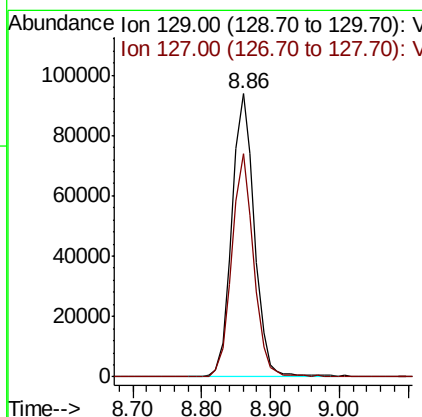
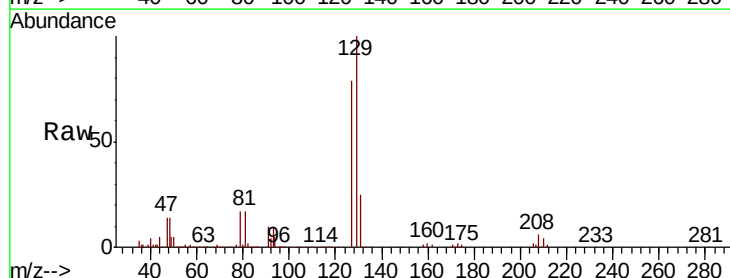
Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

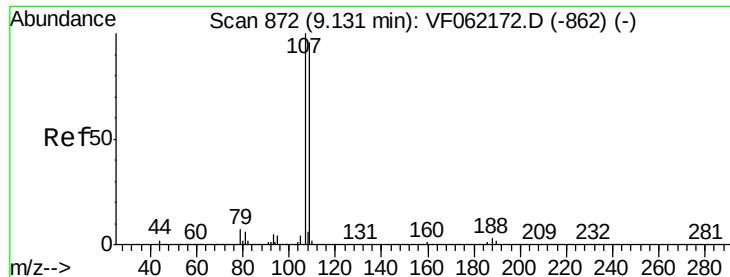
Tot Ion: 43 Resp: 481906
Ion Ratio Lower Upper
43 100
58 51.1 26.8 80.4



#60
Dibromochloromethane
Concen: 46.560 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion: 129 Resp: 212006
Ion Ratio Lower Upper
129 100
127 78.8 37.7 113.1





#61

1,2-Dibromoethane

Concen: 49.925 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

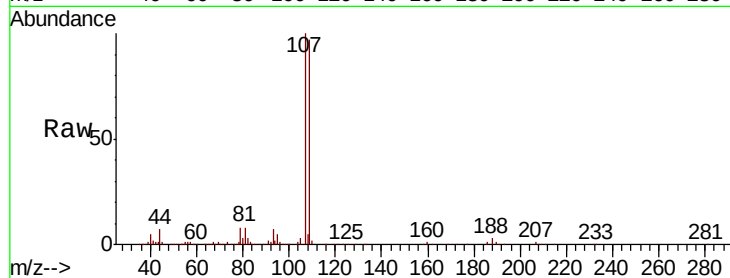
ICVVF041619

Tot Ion:107 Resp: 176766

Ion Ratio Lower Upper

107 100

109 96.6 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

80000

60000

40000

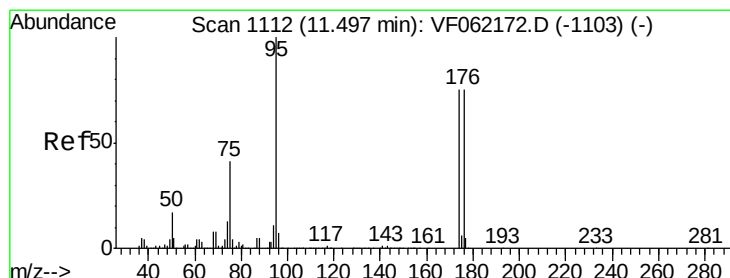
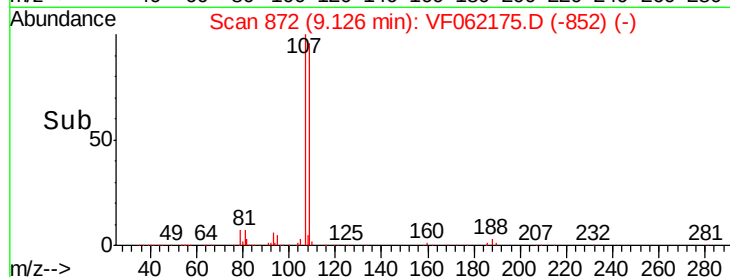
20000

0

9.13

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 52.957 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

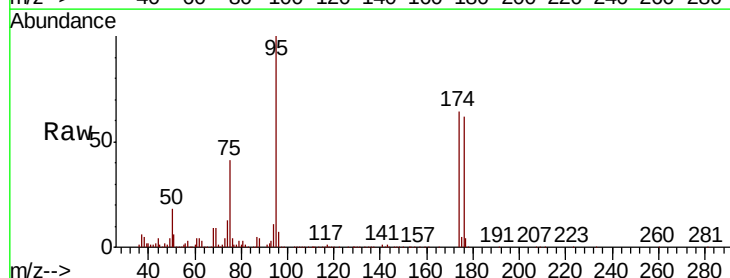
Tgt Ion: 95 Resp: 323086

Ion Ratio Lower Upper

95 100

174 63.8 0.0 150.2

176 62.2 0.0 149.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

250000

200000

150000

100000

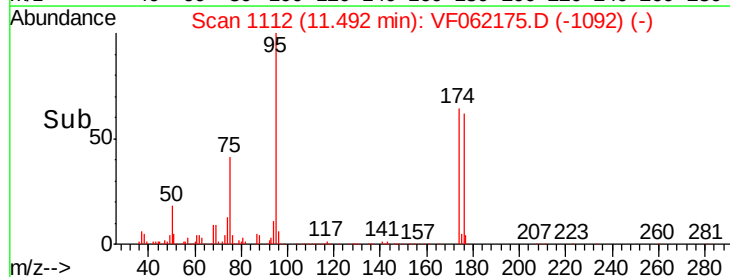
50000

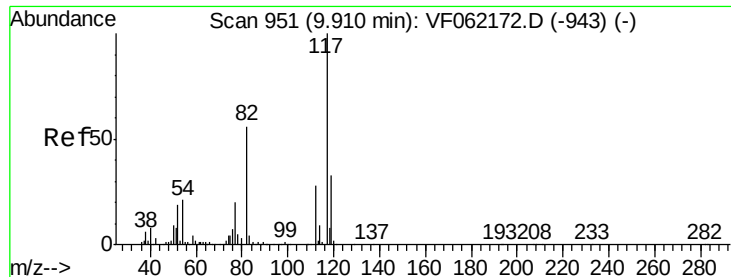
0

11.49

11.40 11.50 11.60 11.70

Time-->

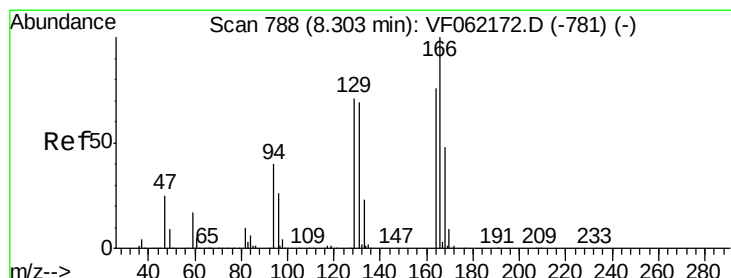
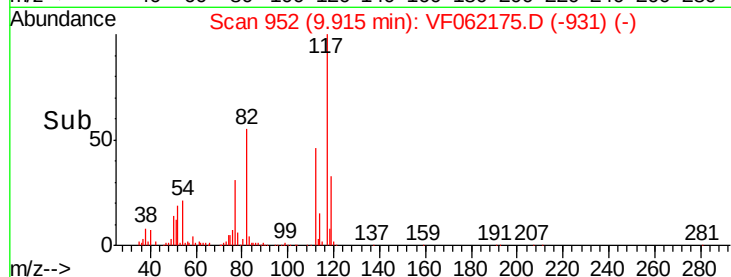
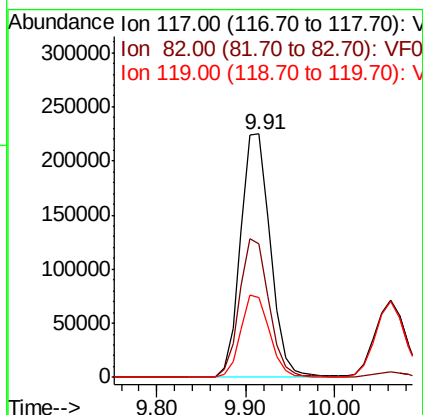
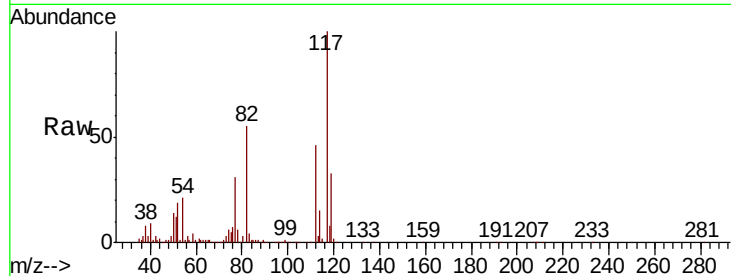




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

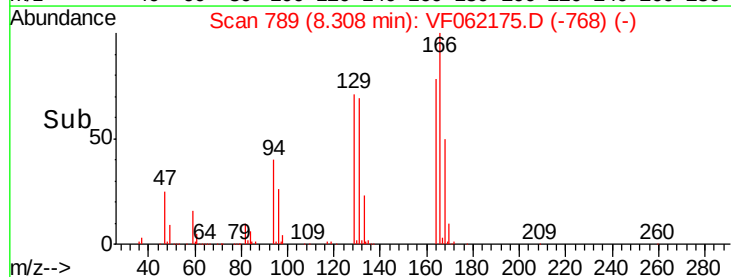
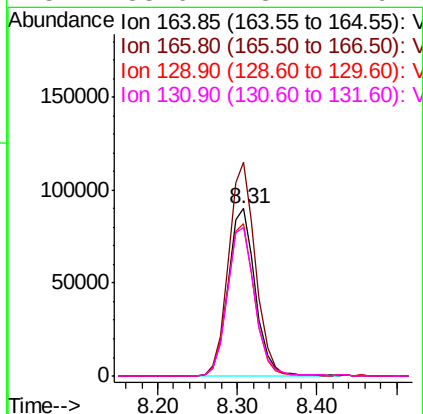
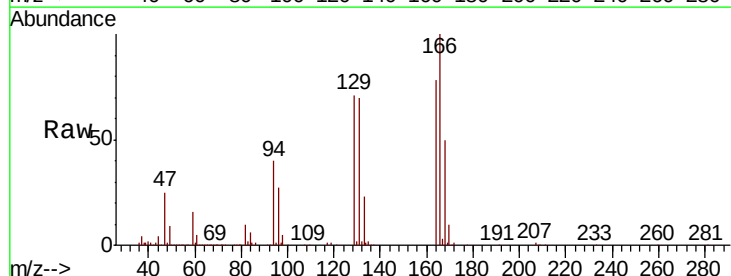
Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

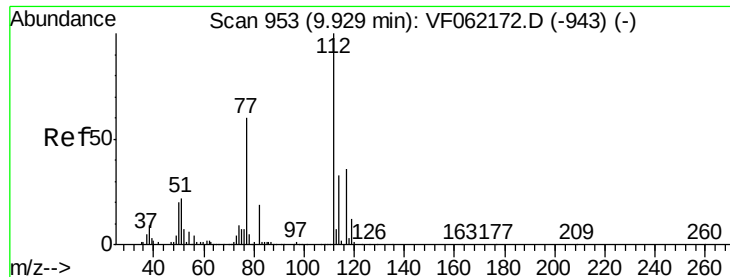
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.2	67.8
119	32.7	26.6	39.8



#64
Tetrachloroethene
Concen: 50.320 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	105.9	158.9
129	90.6	75.3	112.9
131	88.6	73.4	110.2

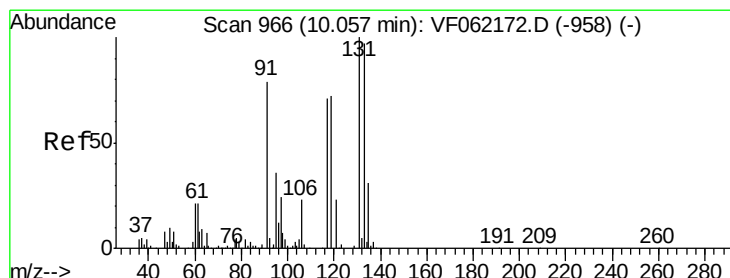
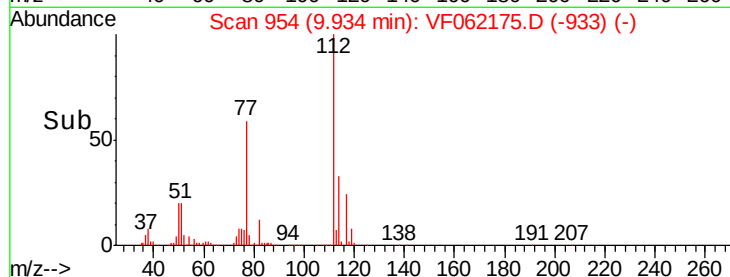
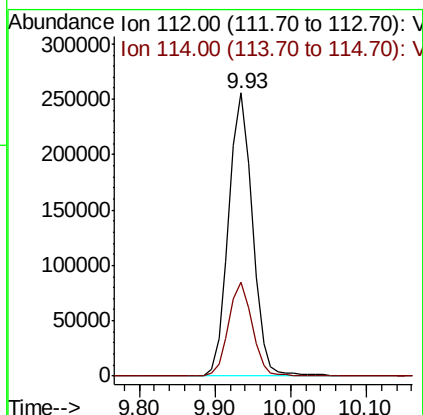
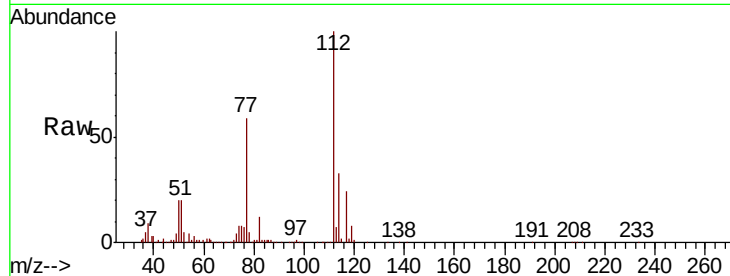




#65
Chlorobenzene
Concen: 51.379 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

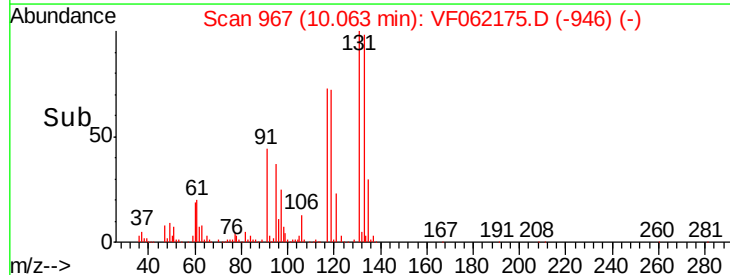
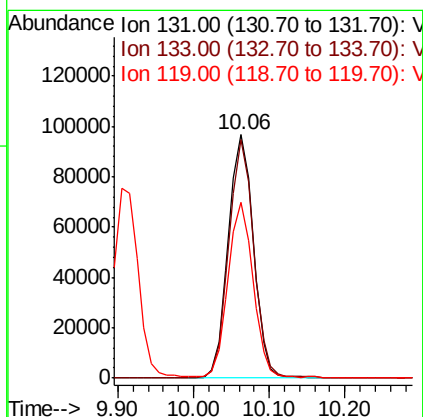
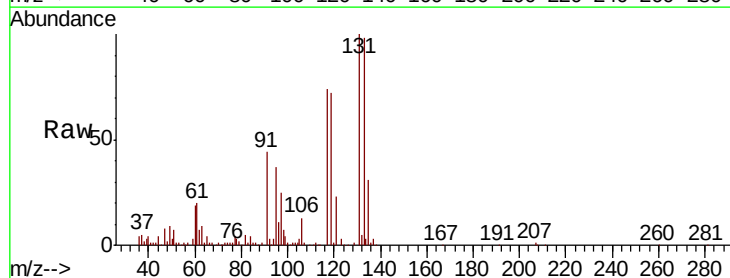
Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

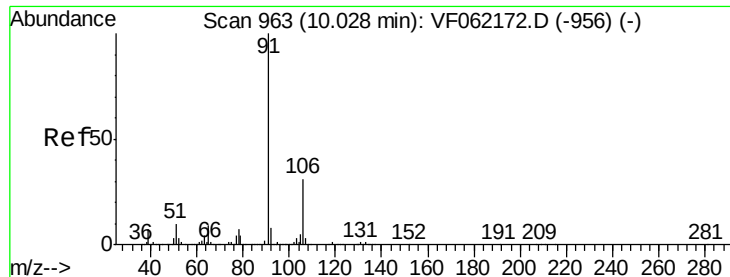
Tot Ion:112 Resp: 559971
Ion Ratio Lower Upper
112 100
114 33.1 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.639 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion:131 Resp: 223352
Ion Ratio Lower Upper
131 100
133 98.2 48.4 145.2
119 72.4 36.3 108.9

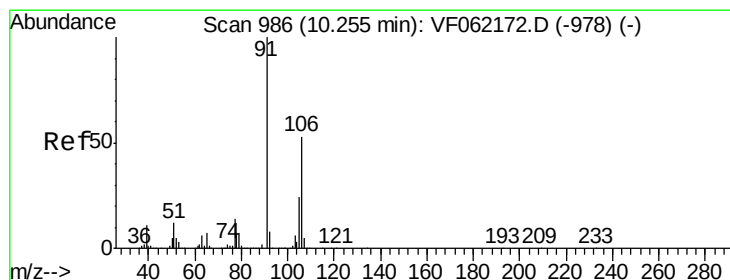
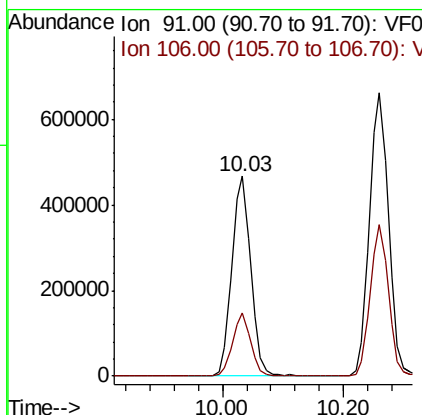
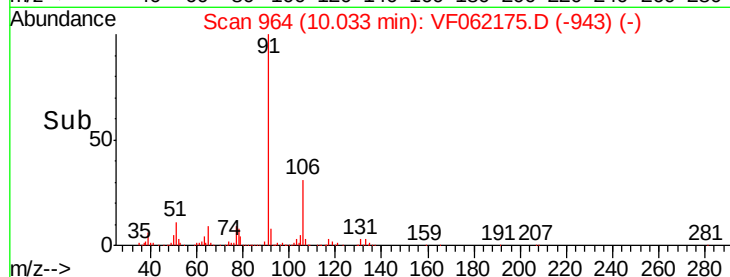
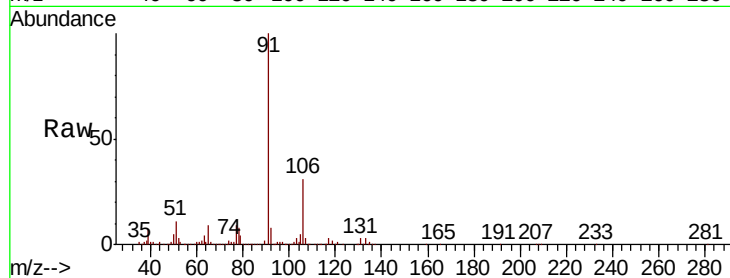




#67
Ethyl Benzene
Concen: 50.422 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

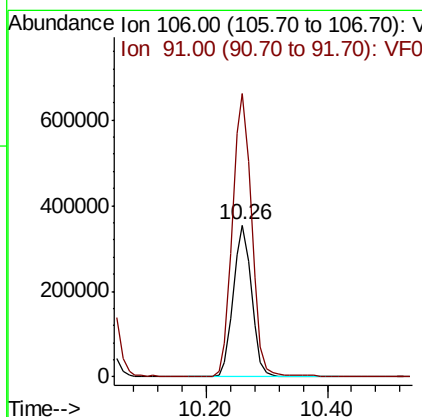
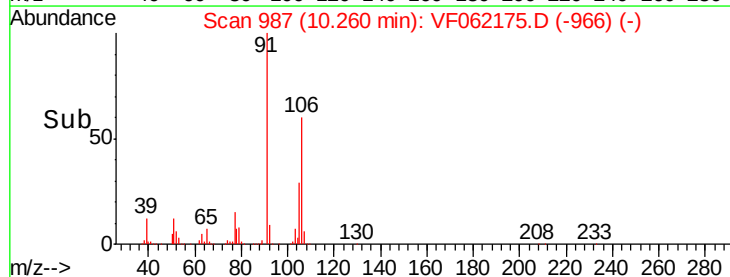
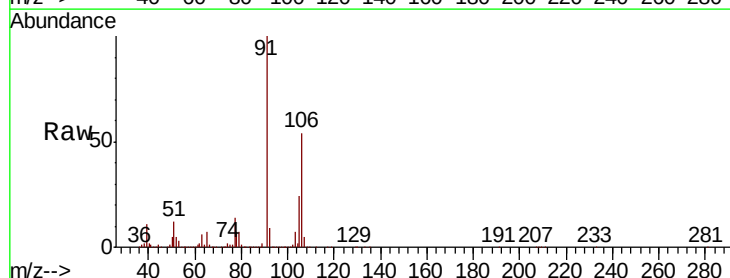
Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

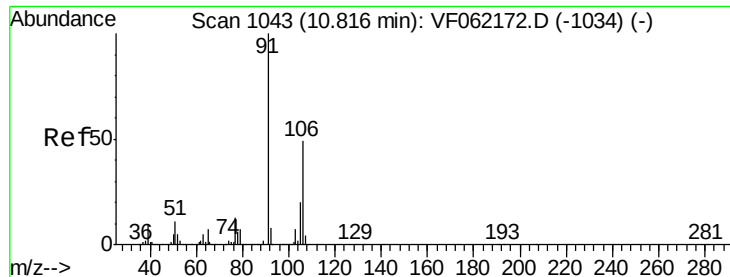
Tot Ion: 91 Resp: 1018664
Ion Ratio Lower Upper
91 100
106 31.4 24.7 37.1



#68
m/p-Xylenes
Concen: 100.611 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion: 106 Resp: 748251
Ion Ratio Lower Upper
106 100
91 186.1 151.7 227.5

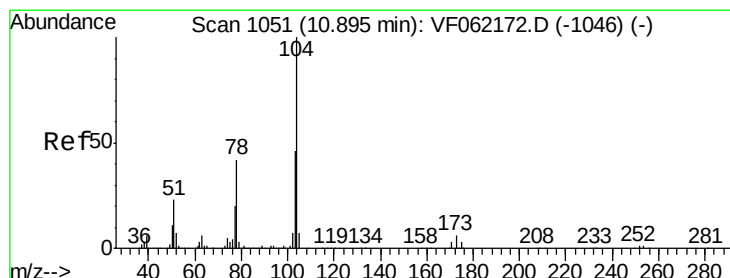
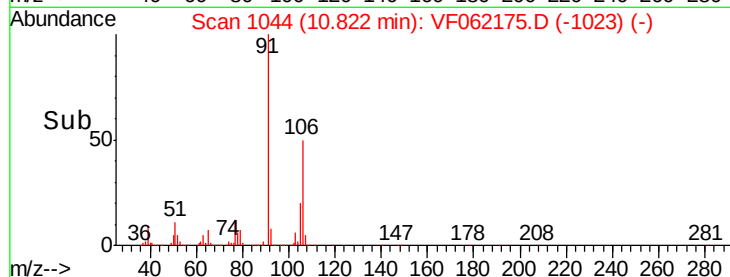
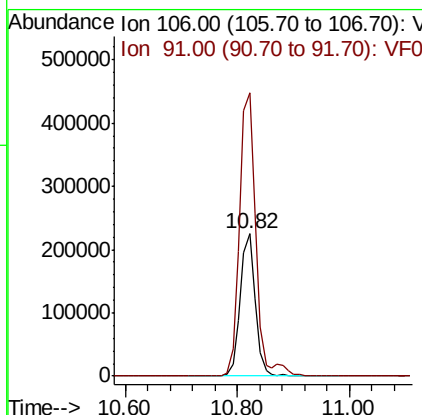
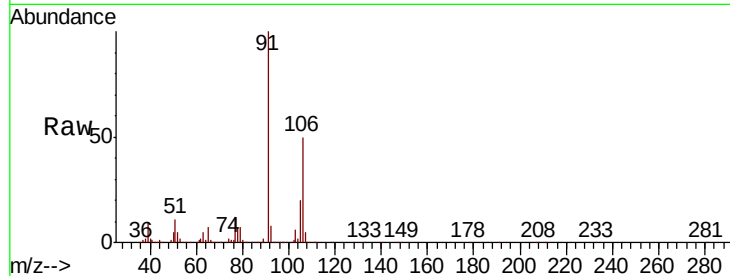




#69
o-Xylene
Concen: 51.845 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

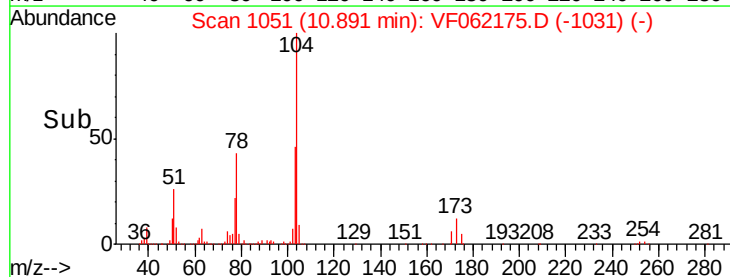
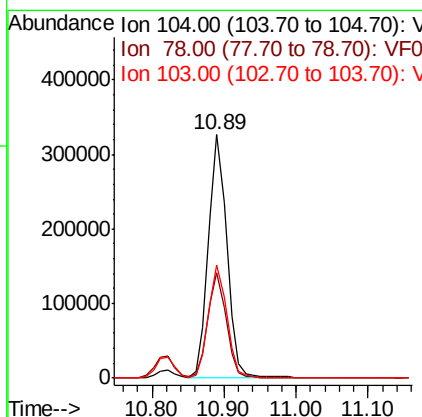
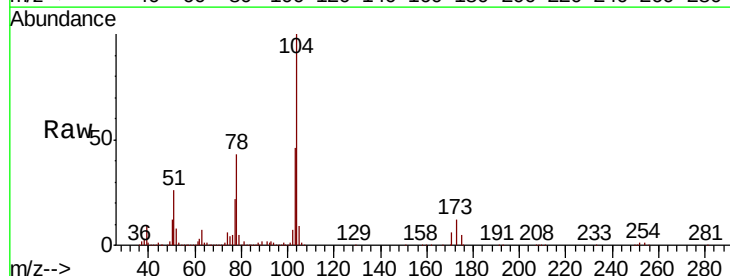
Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

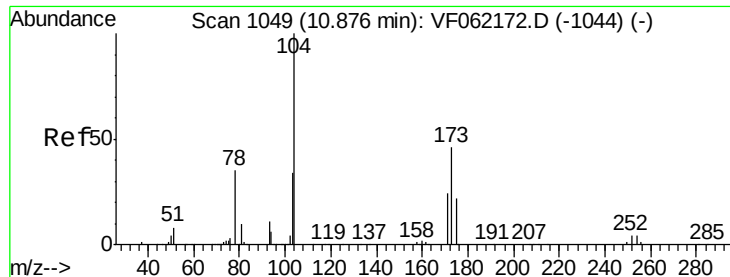
Tot Ion:106 Resp: 417450
Ion Ratio Lower Upper
106 100
91 198.6 101.9 305.7



#70
Styrene
Concen: 49.355 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion:104 Resp: 577945
Ion Ratio Lower Upper
104 100
78 43.3 33.7 50.5
103 46.3 37.2 55.8





#71

Bromoform

Concen: 48.915 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

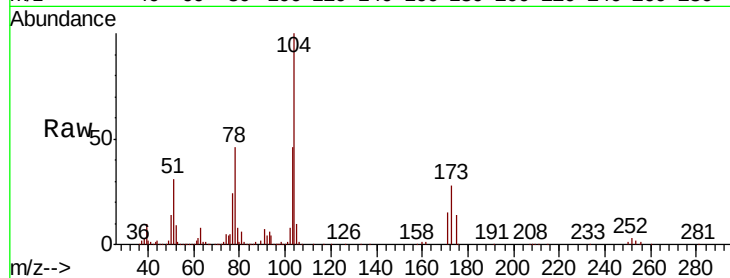
Tot Ion:173 Resp: 115261

Ion Ratio Lower Upper

173 100

175 50.6 24.3 72.8

254 0.0 6.6 9.8#

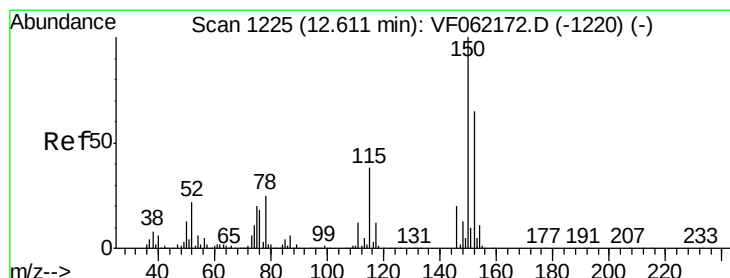
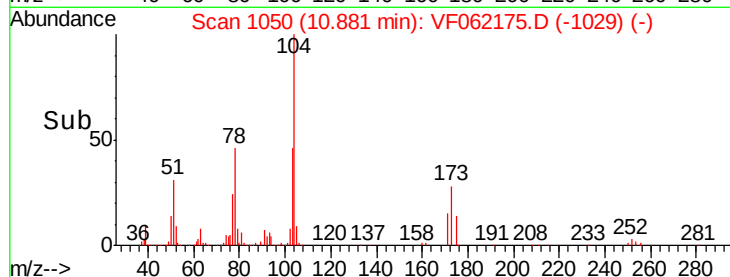
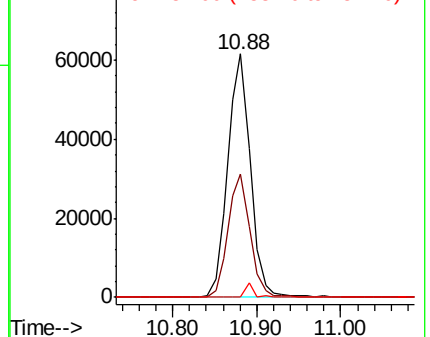


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

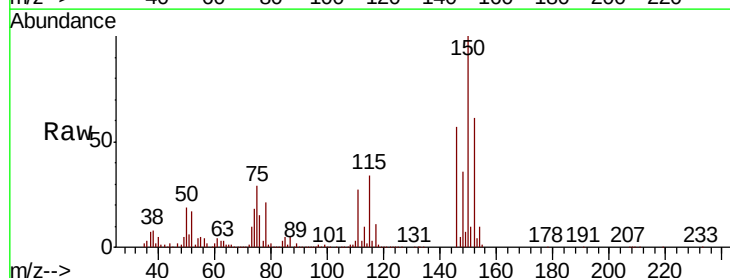
Tgt Ion:152 Resp: 254841

Ion Ratio Lower Upper

152 100

115 55.7 29.0 87.1

150 163.0 0.0 309.2

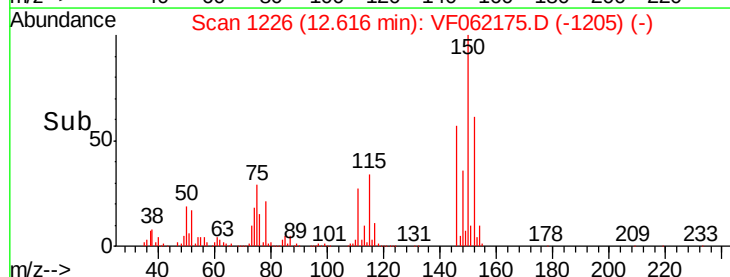
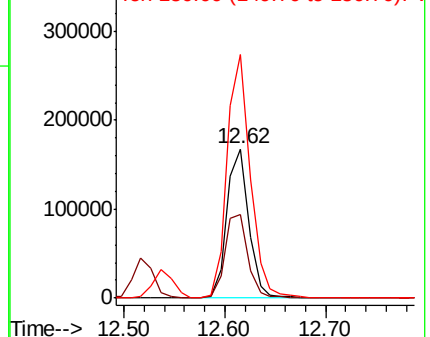


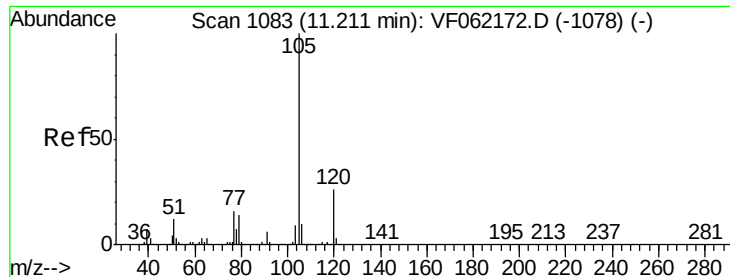
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 52.395 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

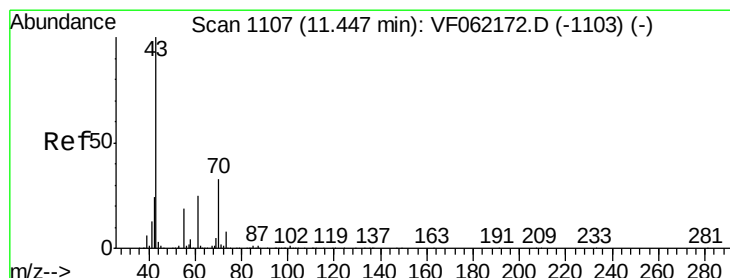
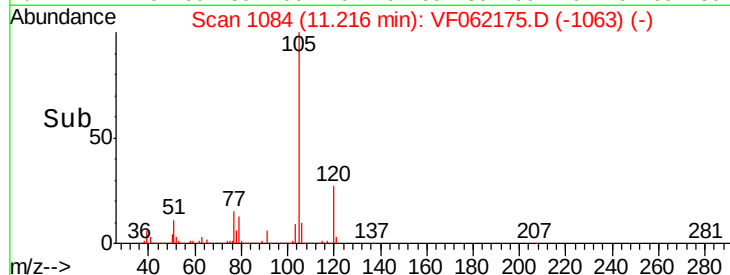
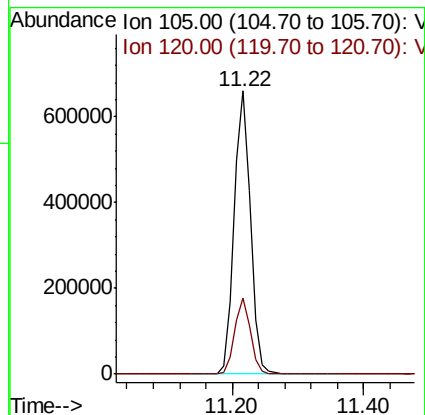
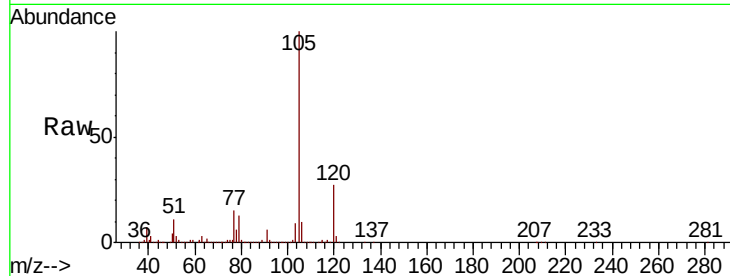
ICVVF041619

Tot Ion:105 Resp: 1150322

Ion Ratio Lower Upper

105 100

120 27.0 13.0 38.9



#74

N-ethyl acetate

Concen: 54.902 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tgt Ion: 43 Resp: 273476

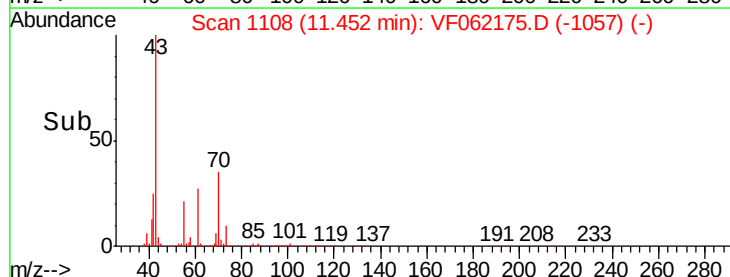
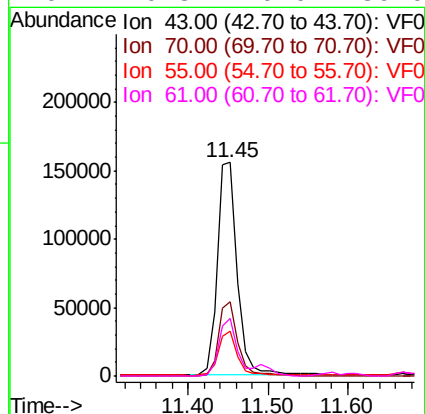
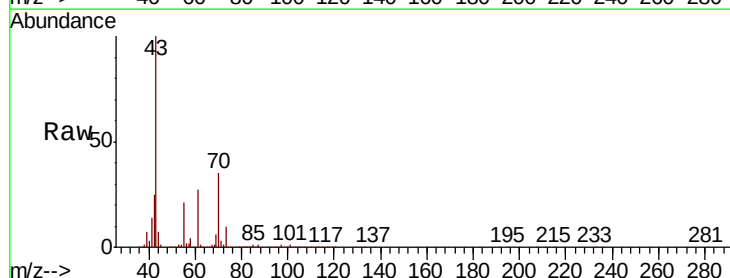
Ion Ratio Lower Upper

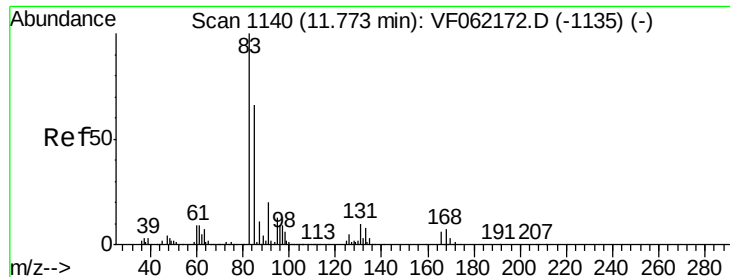
43 100

70 34.9 26.6 39.8

55 21.2 15.0 22.6

61 26.8 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.559 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

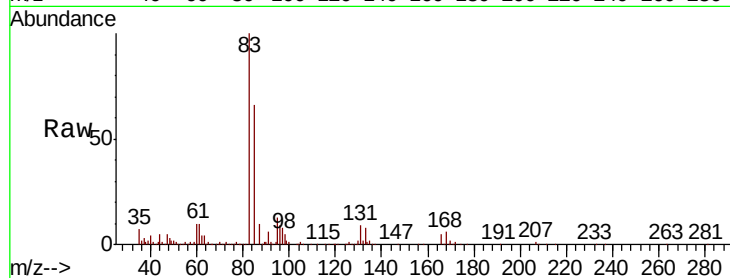
Tot Ion: 83 Resp: 197733

Ion Ratio Lower Upper

83 100

131 8.7 4.8 14.4

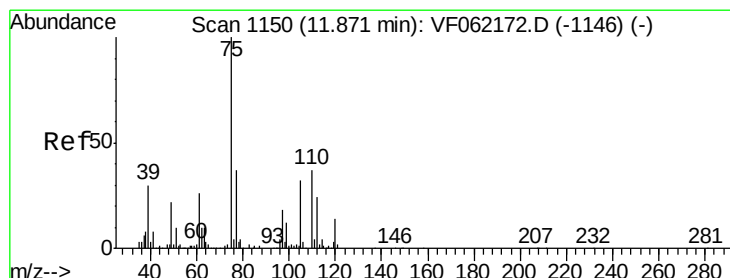
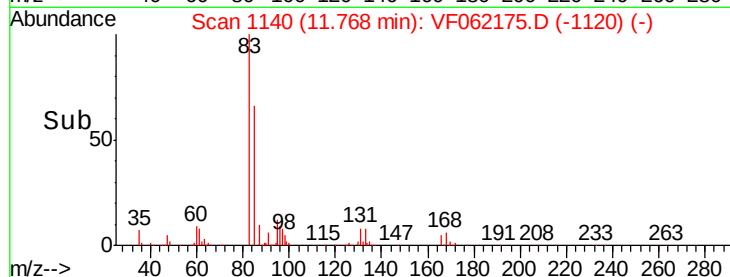
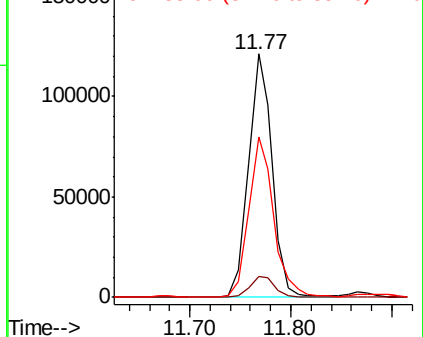
85 66.0 33.2 99.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 50.460 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VF062175.D

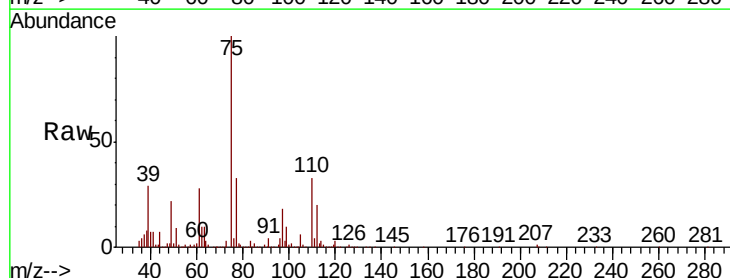
Acq: 16 Apr 2019 14:40

Tgt Ion: 75 Resp: 133836

Ion Ratio Lower Upper

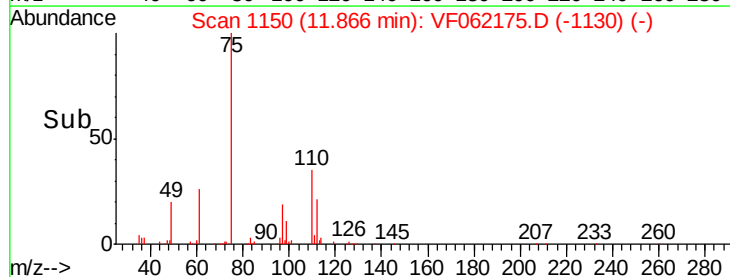
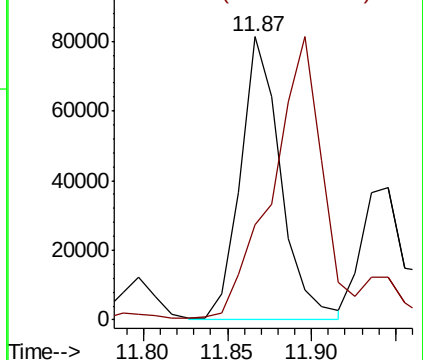
75 100

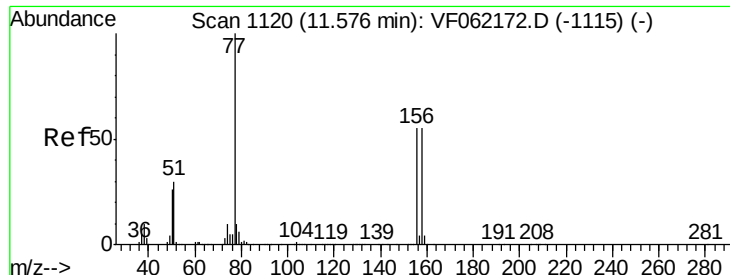
77 33.5 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.443 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

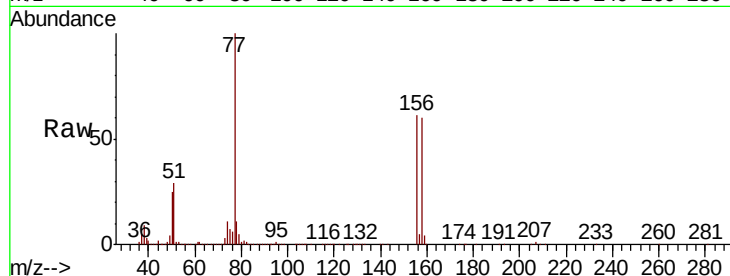
Tot Ion:156 Resp: 234882

Ion Ratio Lower Upper

156 100

77 164.6 91.1 273.4

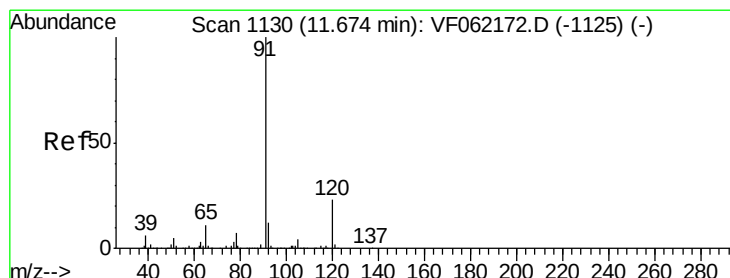
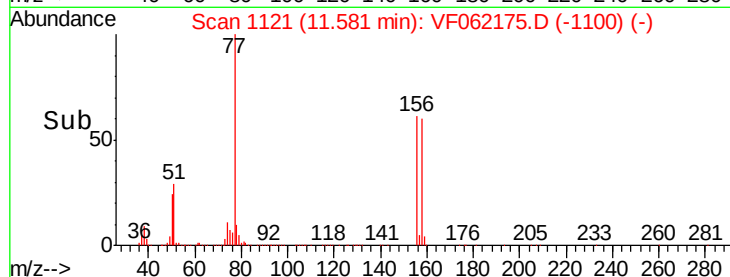
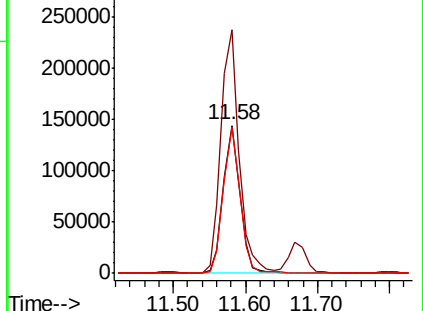
158 99.1 50.1 150.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 50.120 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF062175.D

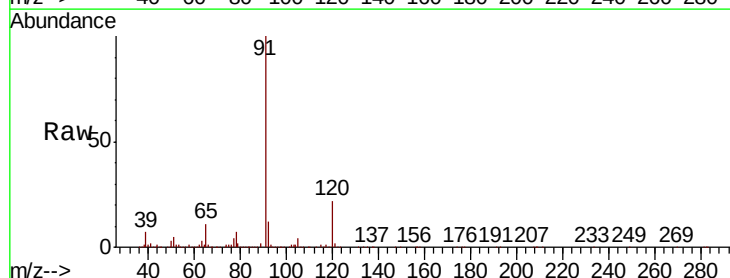
Acq: 16 Apr 2019 14:40

Tgt Ion: 91 Resp: 1250755

Ion Ratio Lower Upper

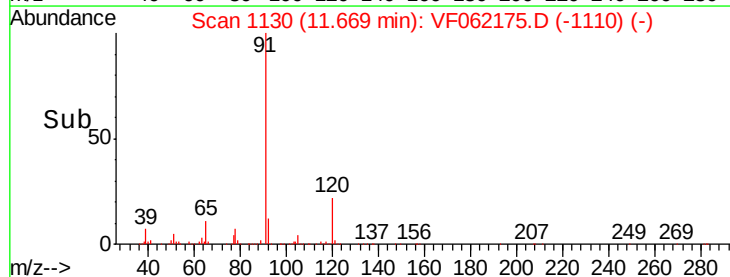
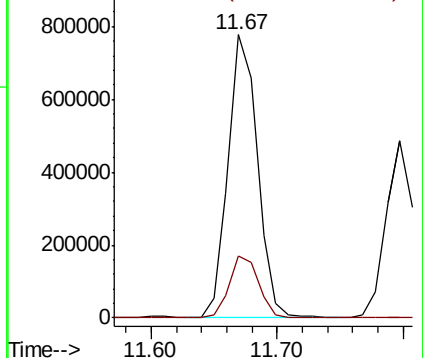
91 100

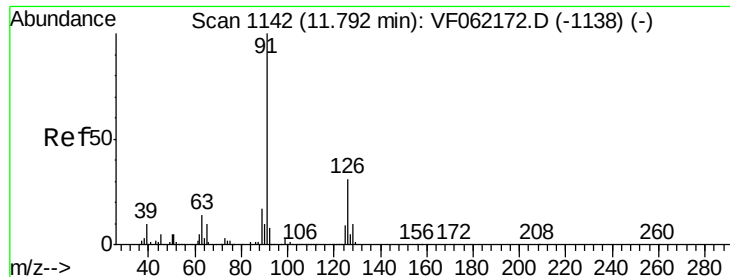
120 22.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.790 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

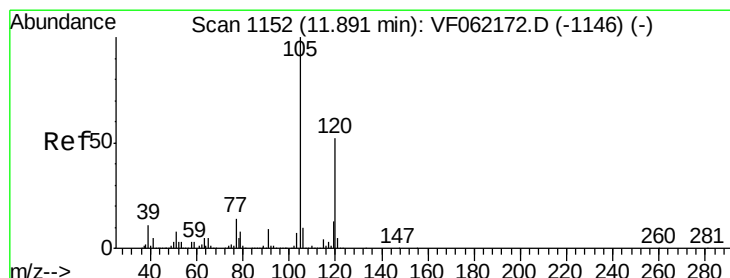
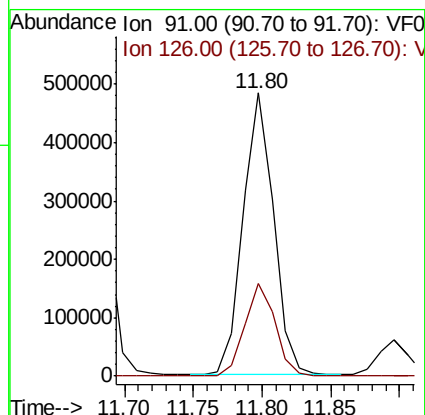
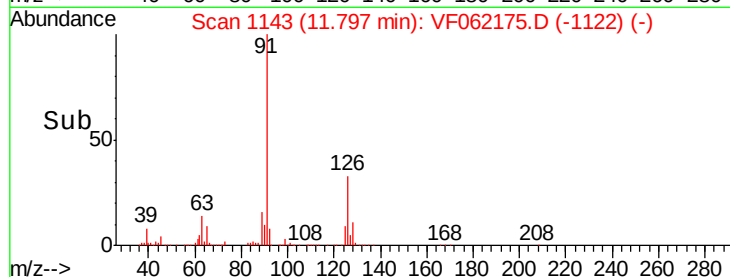
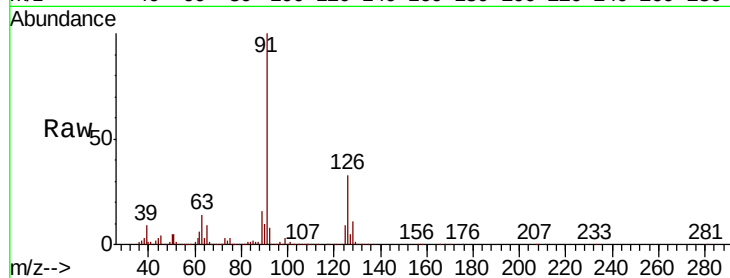
ICVVF041619

Tot Ion: 91 Resp: 747119

Ion Ratio Lower Upper

91 100

126 32.7 15.6 46.8



#80

1,3,5-Trimethylbenzene

Concen: 49.964 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062175.D

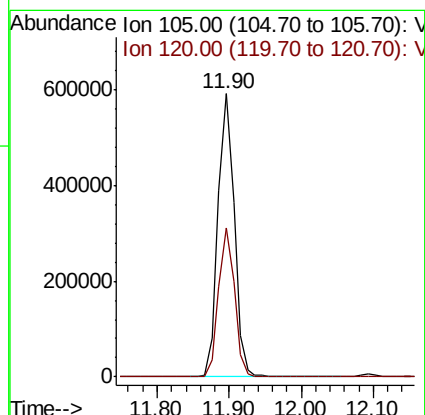
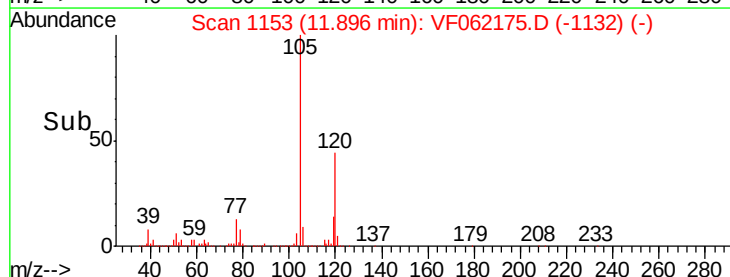
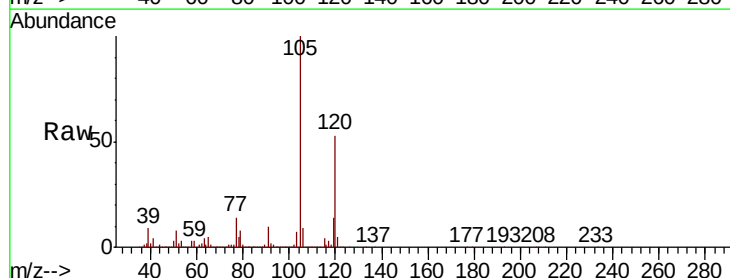
Acq: 16 Apr 2019 14:40

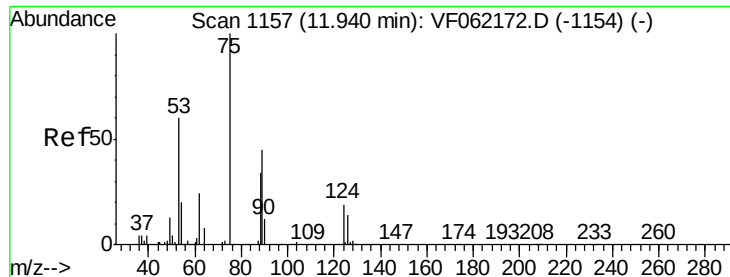
Tgt Ion:105 Resp: 914870

Ion Ratio Lower Upper

105 100

120 52.8 25.9 77.7





#81

trans-1,4-Dichloro-2-butene

Concen: 62.103 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

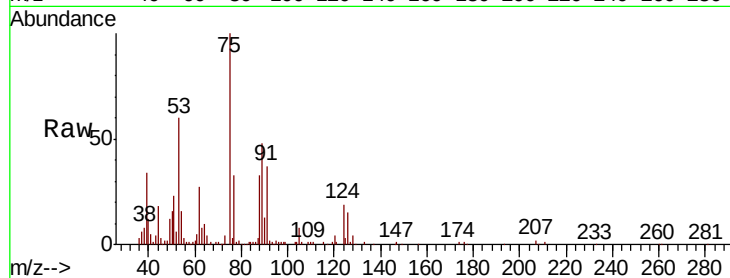
Tot Ion: 75 Resp: 82380

Ion Ratio Lower Upper

75 100

53 60.3 53.4 80.0

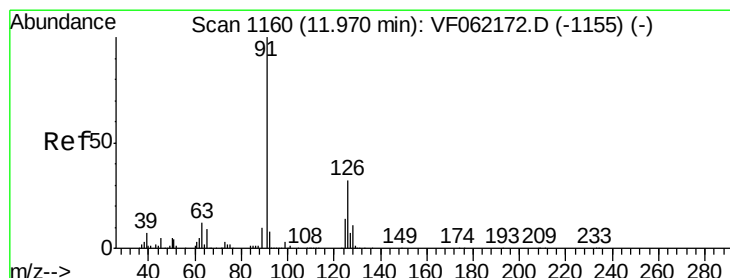
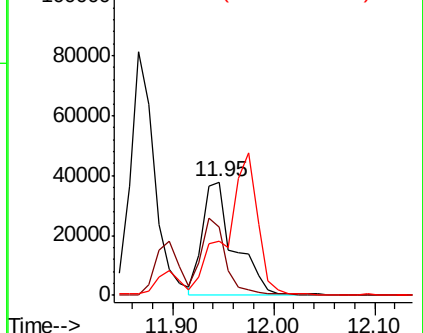
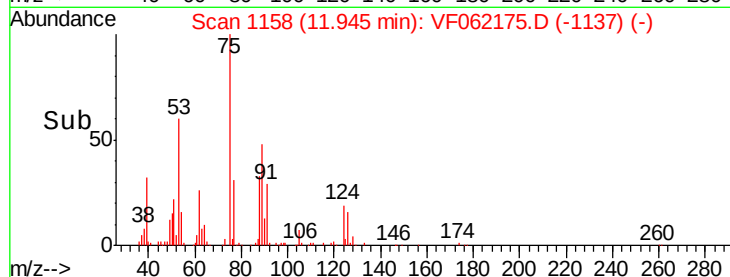
89 47.9 38.7 58.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 50.272 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062175.D

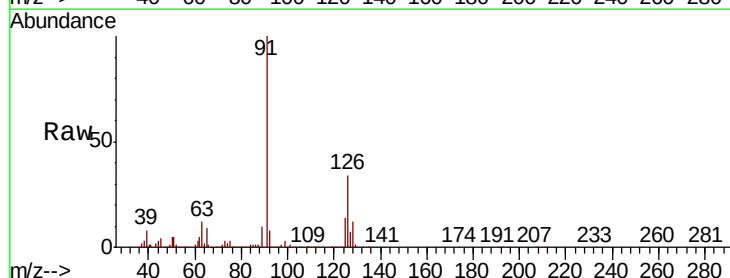
Acq: 16 Apr 2019 14:40

Tgt Ion: 91 Resp: 724691

Ion Ratio Lower Upper

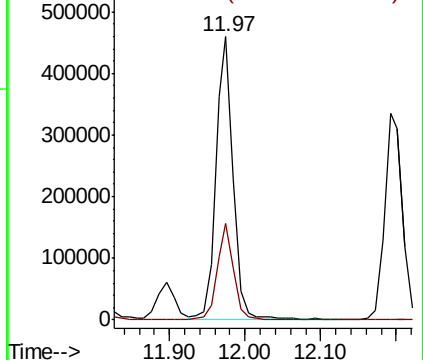
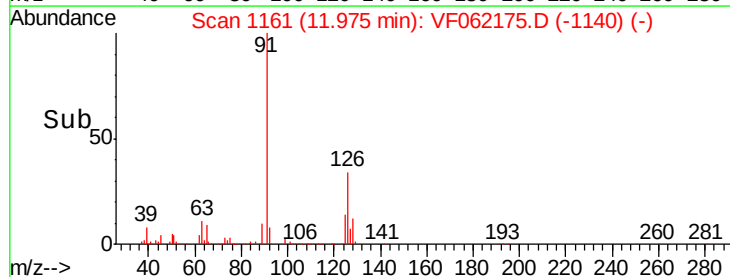
91 100

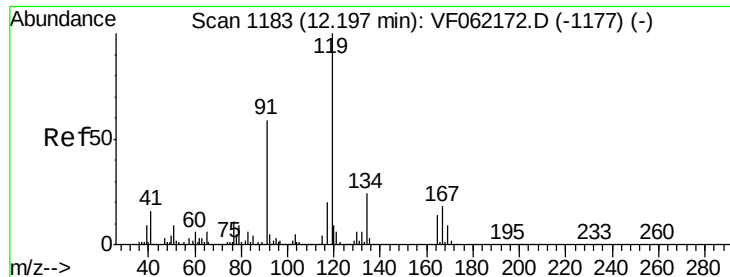
126 34.0 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

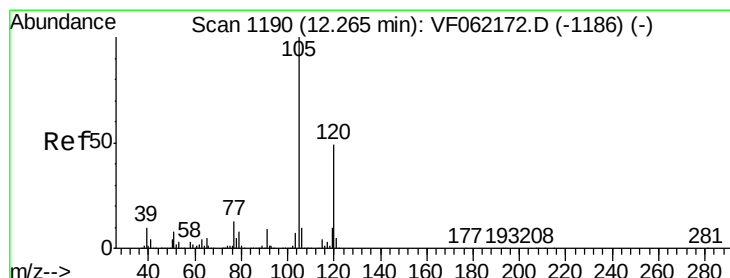
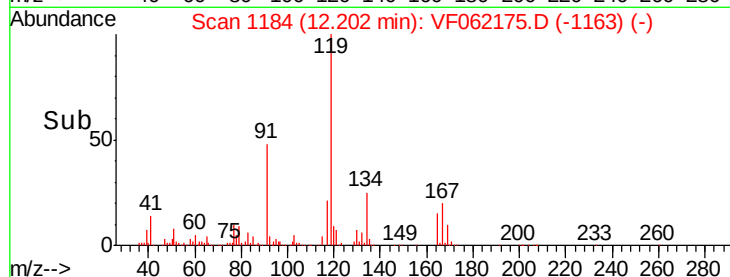
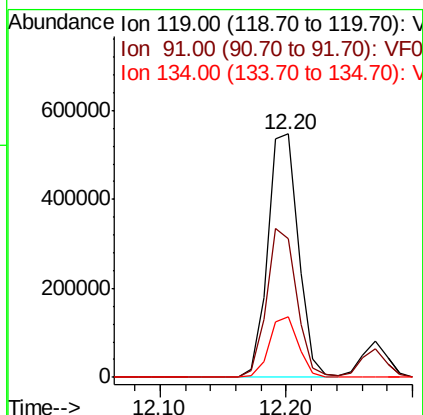
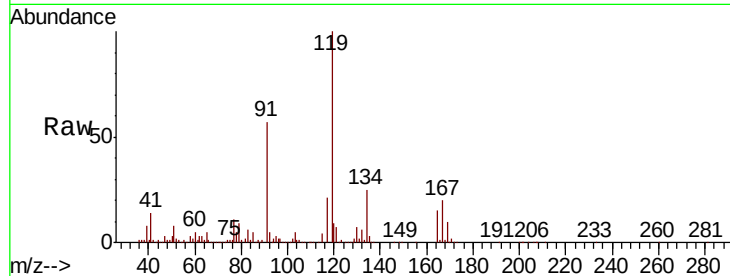




#83
 tert-Butylbenzene
 Concen: 51.139 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

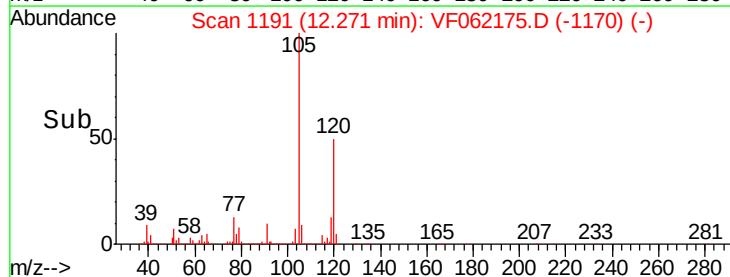
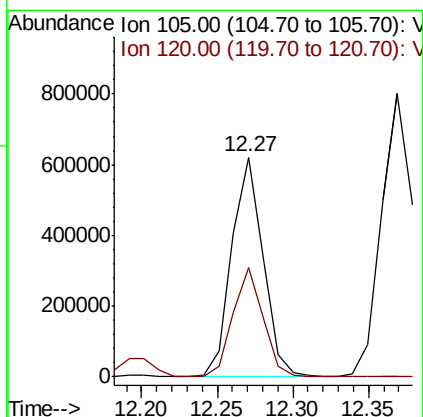
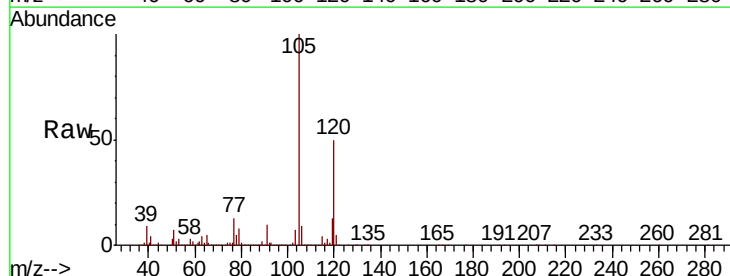
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041619

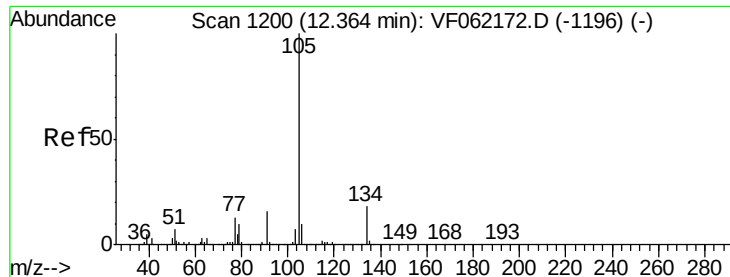
Tot Ion:119 Resp: 929808
 Ion Ratio Lower Upper
 119 100
 91 56.8 29.5 88.5
 134 24.9 12.0 36.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.381 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Tgt Ion:105 Resp: 895284
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.7 74.1





#85

sec-Butylbenzene

Concen: 49.962 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

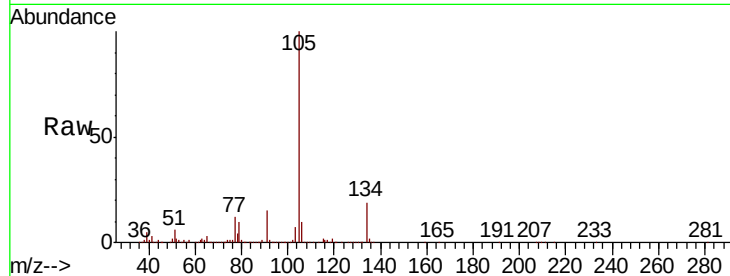
ICVVF041619

Tot Ion:105 Resp: 1194499

Ion Ratio Lower Upper

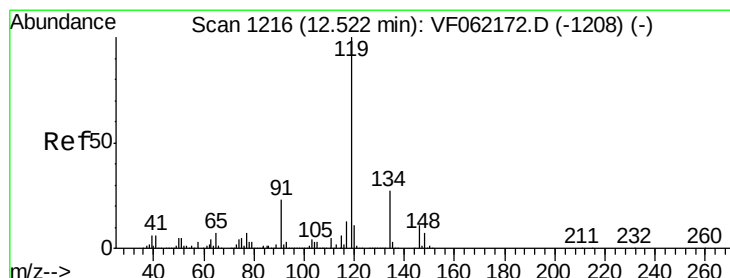
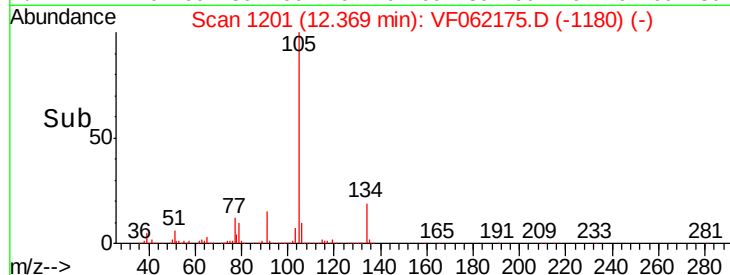
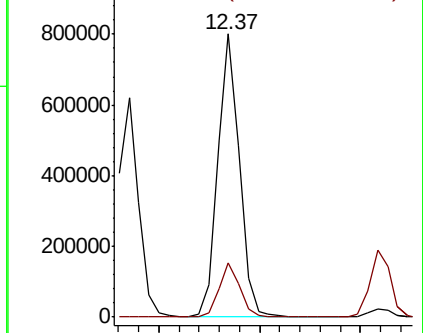
105 100

134 19.2 9.0 27.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.917 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

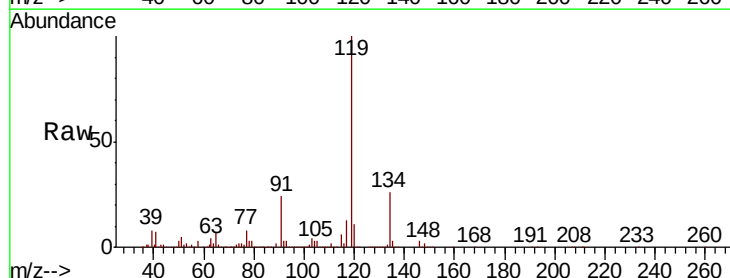
Tgt Ion:119 Resp: 1037093

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

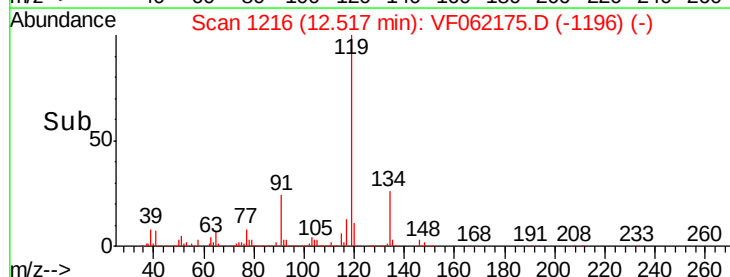
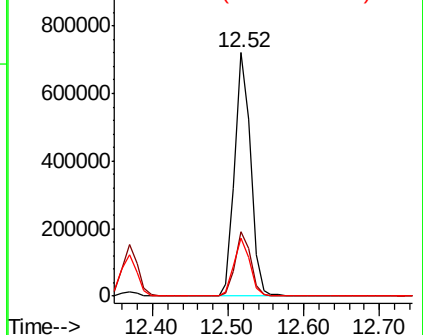
91 23.8 11.5 34.5

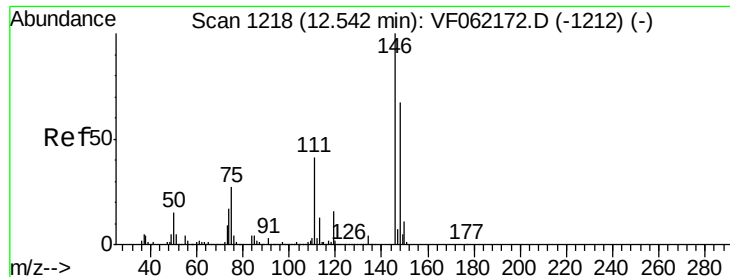


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 51.684 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

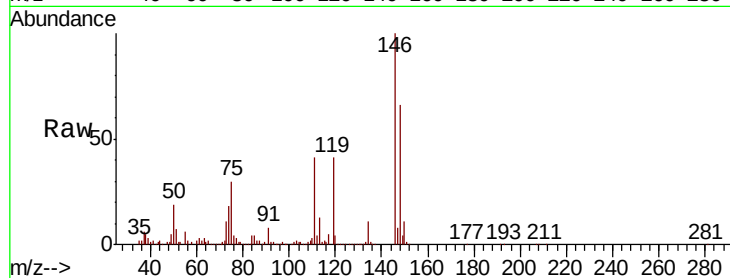
Tot Ion:146 Resp: 431749

Ion Ratio Lower Upper

146 100

111 41.5 20.5 61.6

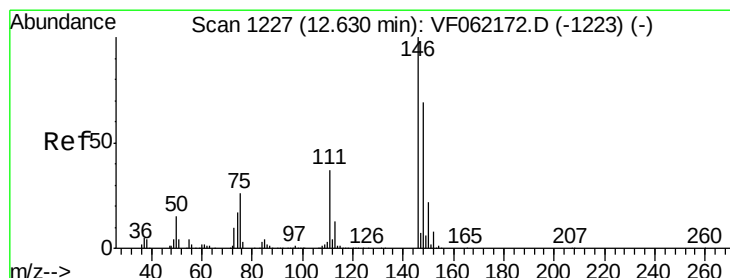
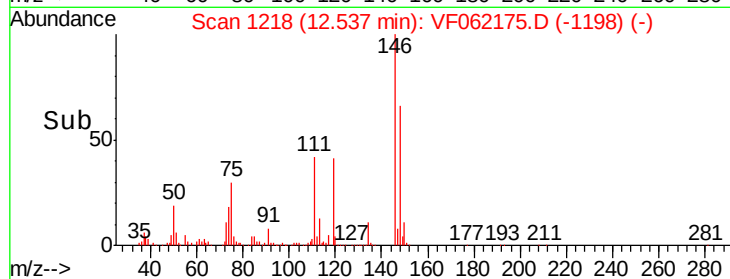
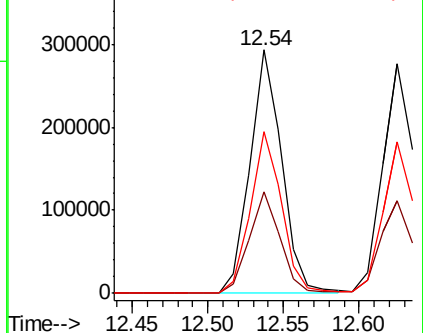
148 66.4 33.6 100.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 50.547 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

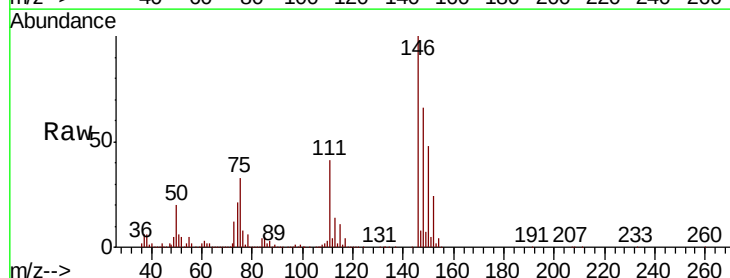
Tgt Ion:146 Resp: 411688

Ion Ratio Lower Upper

146 100

111 40.5 18.6 55.6

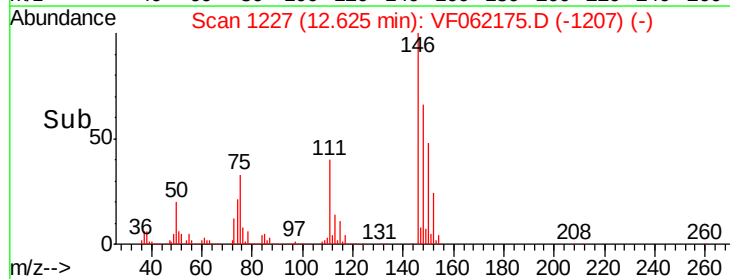
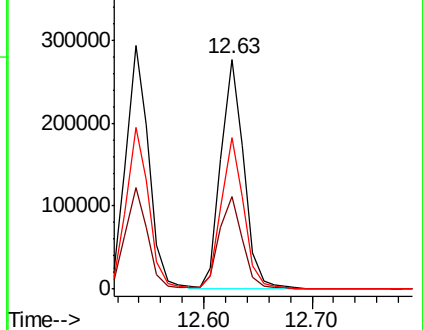
148 65.9 34.3 102.8

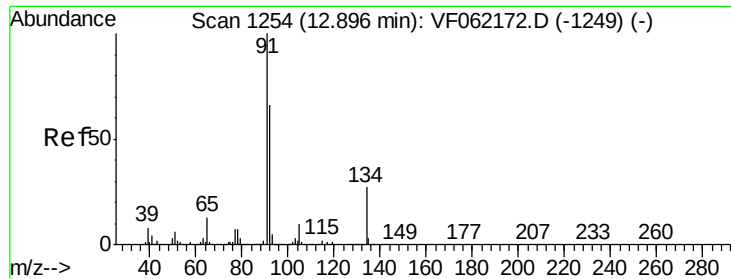


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 52.933 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

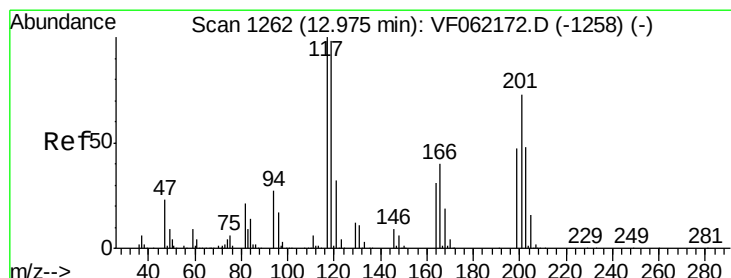
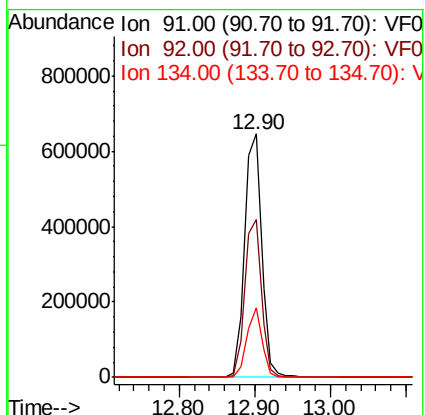
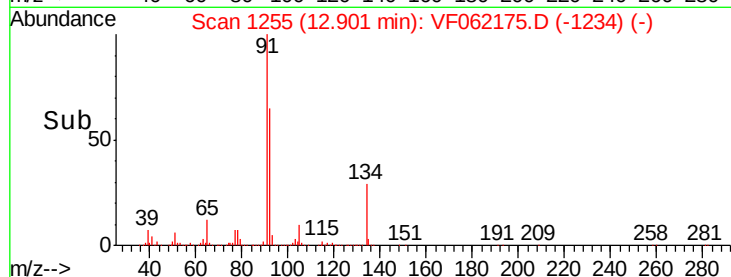
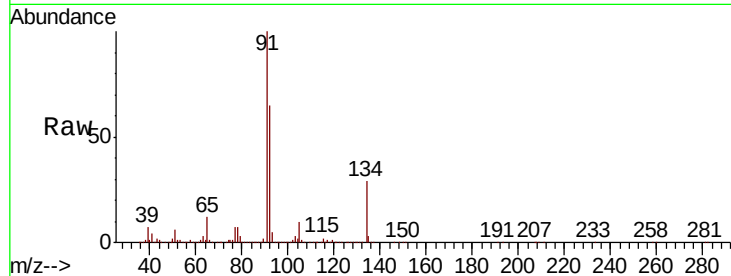
Tot Ion: 91 Resp: 1003641

Ion	Ratio	Lower	Upper
91	100		
92	64.6	32.9	98.6
134	28.6	13.4	40.2

91 100

92 64.6 32.9 98.6

134 28.6 13.4 40.2



#90

Hexachloroethane

Concen: 50.695 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VF062175.D

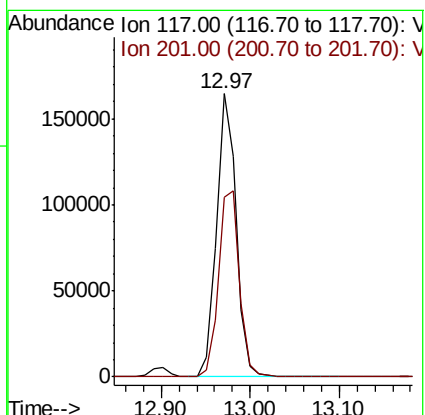
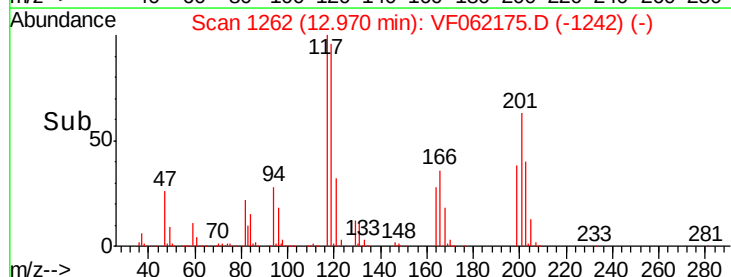
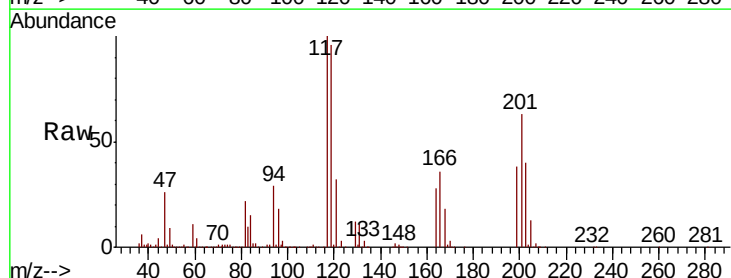
Acq: 16 Apr 2019 14:40

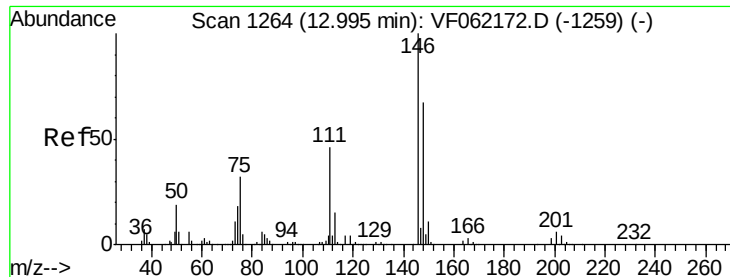
Tgt Ion: 117 Resp: 252931

Ion	Ratio	Lower	Upper
117	100		
201	63.4	36.7	110.1

117 100

201 63.4 36.7 110.1





#91

1,2-Dichlorobenzene

Concen: 49.711 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

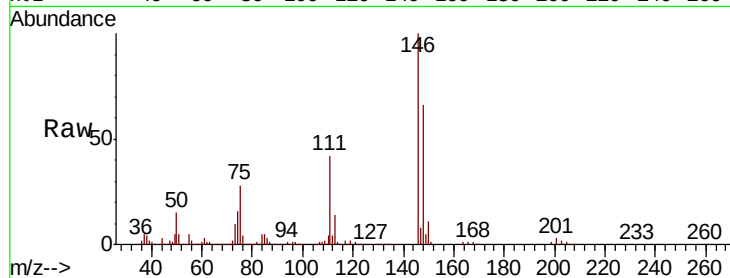
Tot Ion:146 Resp: 398521

Ion Ratio Lower Upper

146 100

111 42.4 22.9 68.8

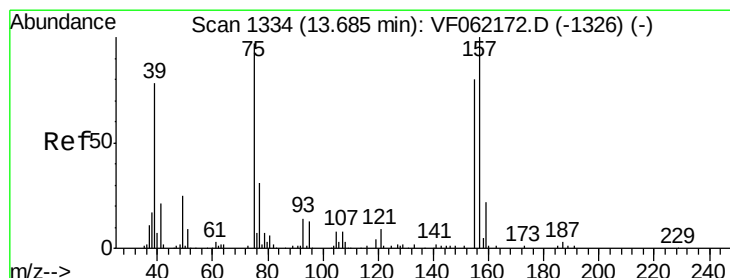
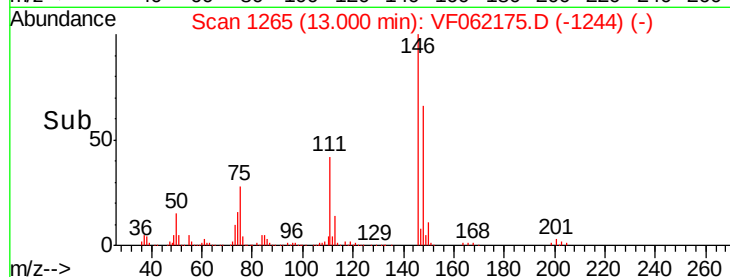
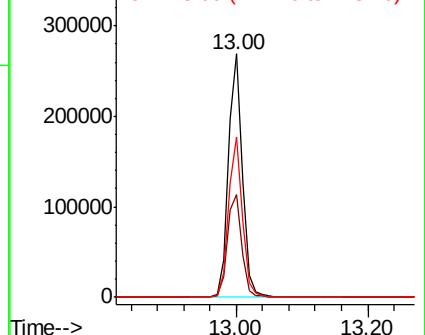
148 65.7 33.6 100.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.483 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

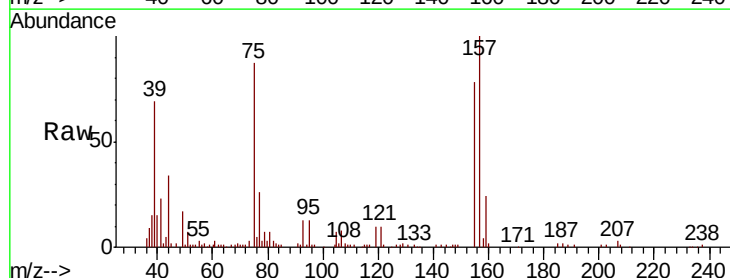
Tgt Ion: 75 Resp: 34855

Ion Ratio Lower Upper

75 100

155 89.9 41.0 123.0

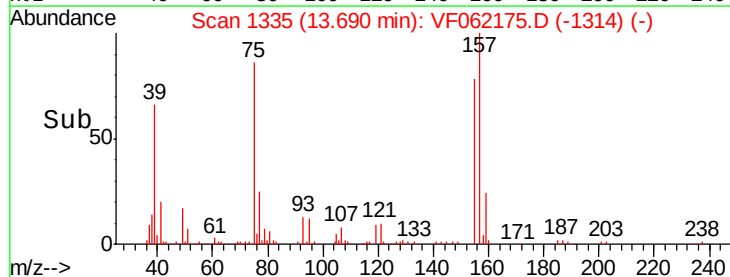
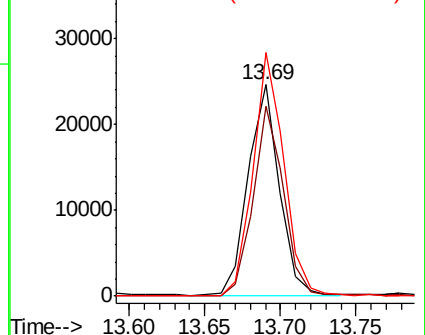
157 115.2 51.3 154.0

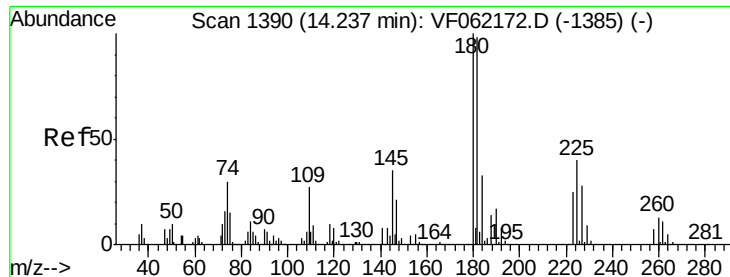


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

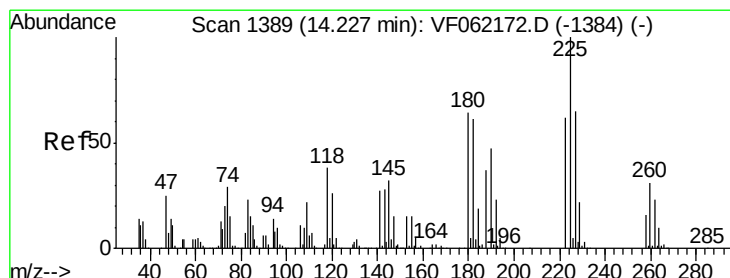
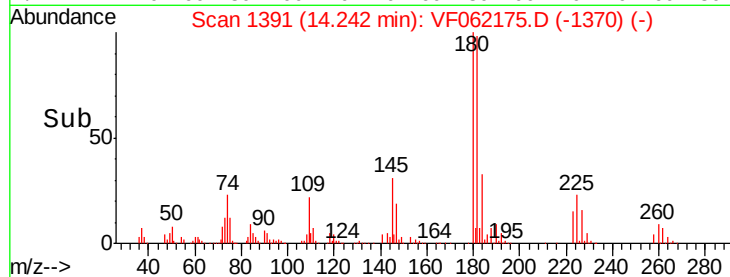
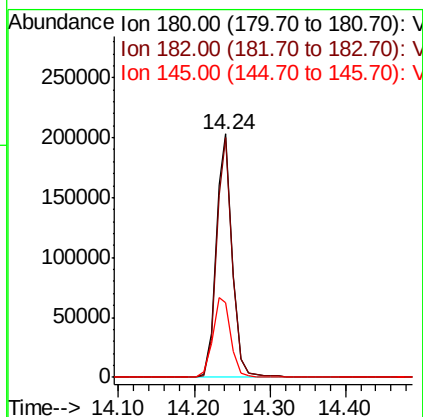
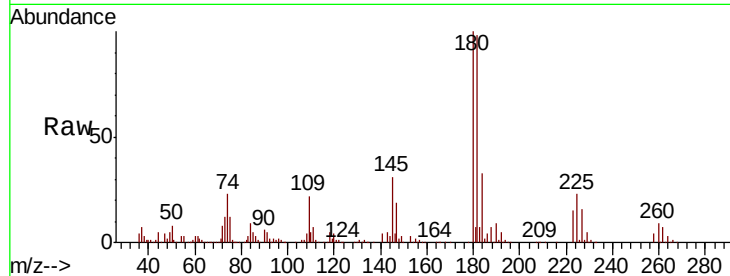




#93
 1,2,4-Trichlorobenzene
 Concen: 50.883 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

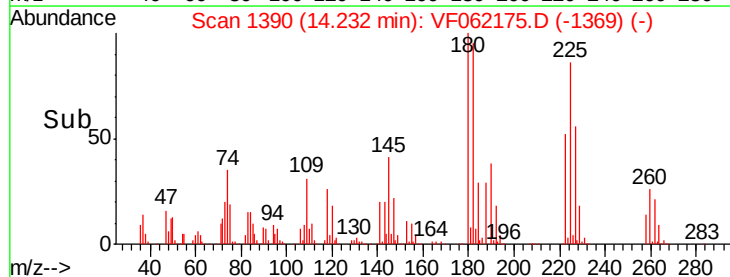
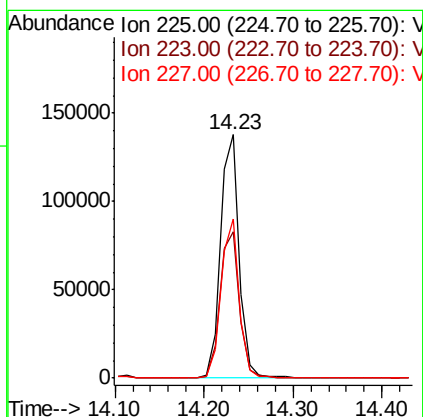
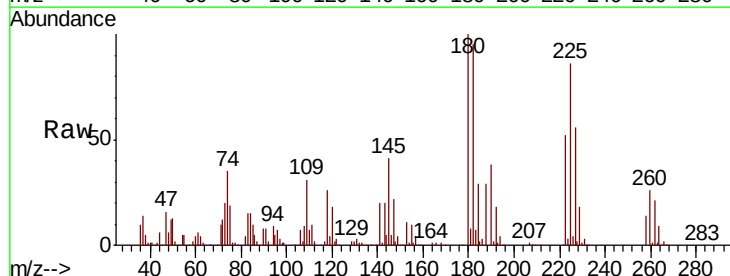
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041619

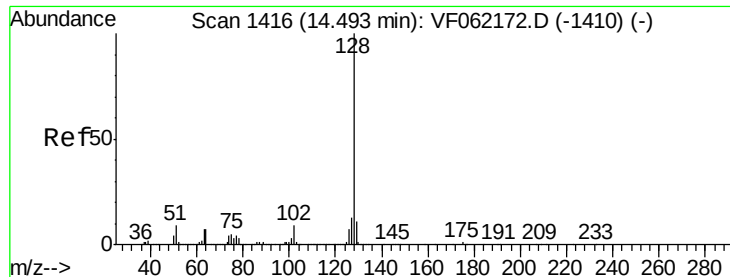
Tot Ion:180 Resp: 306360
 Ion Ratio Lower Upper
 180 100
 182 98.3 48.8 146.4
 145 30.7 17.3 52.0



#94
 Hexachlorobutadiene
 Concen: 51.765 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Tgt Ion:225 Resp: 203120
 Ion Ratio Lower Upper
 225 100
 223 60.3 30.9 92.7
 227 65.2 32.3 96.9

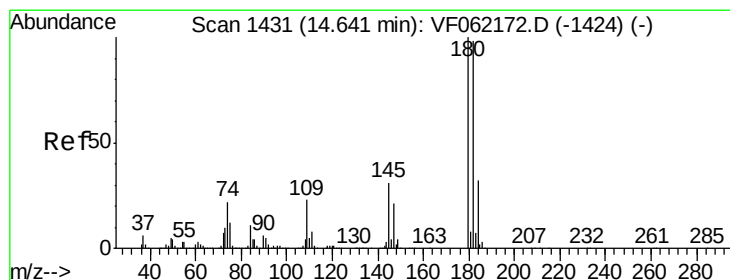
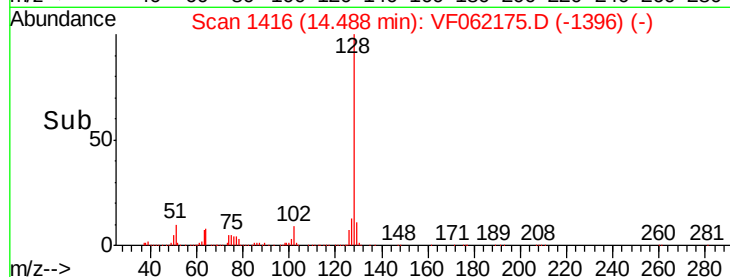
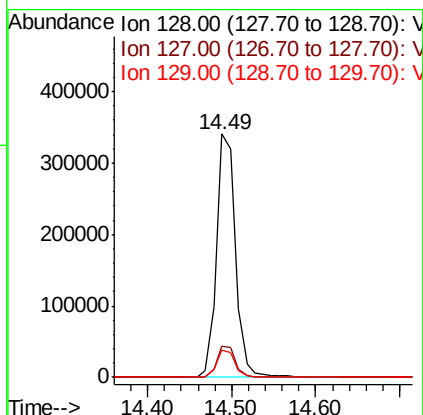
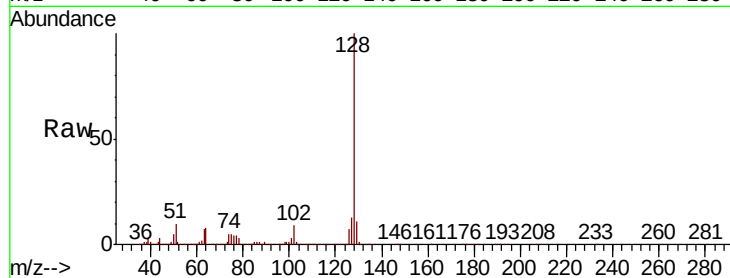




#95
Naphthalene
Concen: 50.680 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

Tot Ion:128 Resp: 533108
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.1 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 50.352 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion:180 Resp: 282450
Ion Ratio Lower Upper
180 100
182 97.7 49.0 147.2
145 34.4 15.4 46.2

