

Data File : VF062079.D
Acq On : 22 Mar 2019 12:53
Operator : VA/AP
Sample : VSTDIC075
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Quant Time: Mar 23 00:48:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 00:41:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	281710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.64	114	425070	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	377906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	196489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.89	65	155072	74.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.02%	
35) Dibromofluoromethane	4.15	113	217230	75.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.10%	
50) Toluene-d8	7.59	98	643010	74.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.82%	
62) 4-Bromofluorobenzene	11.44	95	249043	75.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	263827	73.104	ug/l	96
3) Chloromethane	1.10	50	267963	70.961	ug/l	97
4) Vinyl Chloride	1.15	62	257787	73.803	ug/l	99
5) Bromomethane	1.35	94	185834	74.013	ug/l	93
6) Chloroethane	1.41	64	132304	75.244	ug/l	95
7) Trichlorofluoromethane	1.50	101	308226	76.076	ug/l	99
8) Diethyl Ether	1.65	74	65952	68.442	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.85	101	198416	68.944	ug/l	99
10) Methyl Iodide	1.92	142	305765	56.981	ug/l	96
11) Tert butyl alcohol	2.60	59	41717	361.838	ug/l	94
12) 1,1-Dichloroethene	1.81	96	192308	70.819	ug/l	99
13) Acrolein	2.02	56	50284	361.871	ug/l	90
14) Allyl chloride	2.12	41	210536	72.619	ug/l	96
15) Acrylonitrile	2.97	53	150303	370.733	ug/l	94
16) Acetone	2.26	43	163527	370.804	ug/l	97
17) Carbon Disulfide	1.85	76	598136	73.691	ug/l	100
18) Methyl Acetate	2.37	43	68156	65.240	ug/l	97
19) Methyl tert-butyl Ether	2.45	73	318995	74.327	ug/l	97
20) Methylene Chloride	2.21	84	62221	21.120	ug/l	98
21) trans-1,2-Dichloroethene	2.33	96	201772	79.952	ug/l	96
22) Diisopropyl ether	2.83	45	568314	74.767	ug/l	99
23) Vinyl Acetate	3.22	43	1222468	392.805	ug/l	97
24) 1,1-Dichloroethane	2.90	63	333728	73.214	ug/l	100
25) 2-Butanone	4.38	43	325523	353.576	ug/l	96
26) 2,2-Dichloropropane	3.64	77	133031	71.980	ug/l	96
27) cis-1,2-Dichloroethene	3.51	96	249676	72.115	ug/l	95
28) Bromochloromethane	3.75	49	131218	70.456	ug/l	99
29) Tetrahydrofuran	4.11	42	146483	365.944	ug/l	97
30) Chloroform	3.90	83	349547	72.561	ug/l	96
31) Cyclohexane	3.72	56	202835	45.343	ug/l	95
32) 1,1,1-Trichloroethane	4.14	97	246351	84.068	ug/l	96
36) 1,1-Dichloropropene	4.32	75	290183	71.671	ug/l	95
37) Ethyl Acetate	4.15	43	133468	75.430	ug/l	93
38) Carbon Tetrachloride	4.03	117	208704	75.630	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	373367	79.456	ug/l	98
40) Benzene	4.67	78	789854	72.771	ug/l	99
41) Methacrylonitrile	4.79	41	69493	74.227	ug/l #	89
42) 1,2-Dichloroethane	4.98	62	188198	73.323	ug/l	99
43) Isopropyl Acetate	6.99	43	161158	75.206	ug/l #	97
44) Trichloroethene	5.54	130	231053	69.627	ug/l	97
45) 1,2-Dichloropropane	6.27	63	191139	73.833	ug/l	99
46) Dibromomethane	6.12	93	118658	74.964	ug/l	94
47) Bromodichloromethane	6.42	83	262501	74.871	ug/l	97
48) Methyl methacrylate	6.75	41	92539	75.845	ug/l	96
49) 1,4-Dioxane	6.74	88	15247	1424.164	ug/l	92
51) 4-Methyl-2-Pentanone	8.29	43	518917	361.803	ug/l	99
52) Toluene	7.66	92	463234	73.685	ug/l	96
53) t-1,3-Dichloropropene	8.31	75	208197	75.644	ug/l	95
54) cis-1,3-Dichloropropene	7.33	75	300855	76.396	ug/l	96
55) 1,1,2-Trichloroethane	8.53	97	133825	74.942	ug/l	94
56) Ethyl methacrylate	8.65	69	160142	75.196	ug/l	95
57) 1,3-Dichloropropane	8.89	76	229385	77.397	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.33	63	130623	404.204	ug/l	98
59) 2-Hexanone	9.52	43	374121	355.907	ug/l	99
60) Dibromochloromethane	8.75	129	193142	77.803	ug/l	96
61) 1,2-Dibromoethane	9.02	107	148901	78.157	ug/l	93
64) Tetrachloroethene	8.19	164	199736	68.411	ug/l	94
65) Chlorobenzene	9.83	112	501283	70.894	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.97	131	198116	69.753	ug/l	96
67) Ethyl Benzene	9.94	91	878328	71.427	ug/l	96
68) m/p-Xylenes	10.16	106	645812	140.514	ug/l	95
69) o-Xylene	10.75	106	349101	72.522	ug/l	97
70) Styrene	10.81	104	524663	71.936	ug/l	99
71) Bromoform	10.80	173	105394	72.547	ug/l	97
73) Isopropylbenzene	11.15	105	964418	69.753	ug/l	99
74) N-amyl acetate	11.40	43	242980	73.754	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.72	83	167411	70.519	ug/l	98
76) 1,2,3-Trichloropropane	11.82	75	117390	70.263	ug/l	99
77) Bromobenzene	11.52	156	234189	69.329	ug/l	94
78) n-propylbenzene	11.62	91	1091422	67.981	ug/l	96
79) 2-Chlorotoluene	11.74	91	600774	67.324	ug/l	97
80) 1,3,5-Trimethylbenzene	11.85	105	783390	68.884	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.89	75	63569	70.548	ug/l	92
82) 4-Chlorotoluene	11.92	91	639509	69.895	ug/l	98
83) tert-Butylbenzene	12.16	119	790423	66.394	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	774187	69.441	ug/l	99
85) sec-Butylbenzene	12.33	105	1049952	68.174	ug/l	95
86) p-Isopropyltoluene	12.48	119	915860	68.639	ug/l	100
87) 1,3-Dichlorobenzene	12.50	146	432812	68.965	ug/l	97
88) 1,4-Dichlorobenzene	12.59	146	434535	70.957	ug/l	98
89) n-Butylbenzene	12.87	91	869800	68.326	ug/l	98
90) Hexachloroethane	12.93	117	223766	70.429	ug/l	98
91) 1,2-Dichlorobenzene	12.96	146	397997	67.538	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	28245	78.523	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032219\
Quantitation Report (Not Reviewed)

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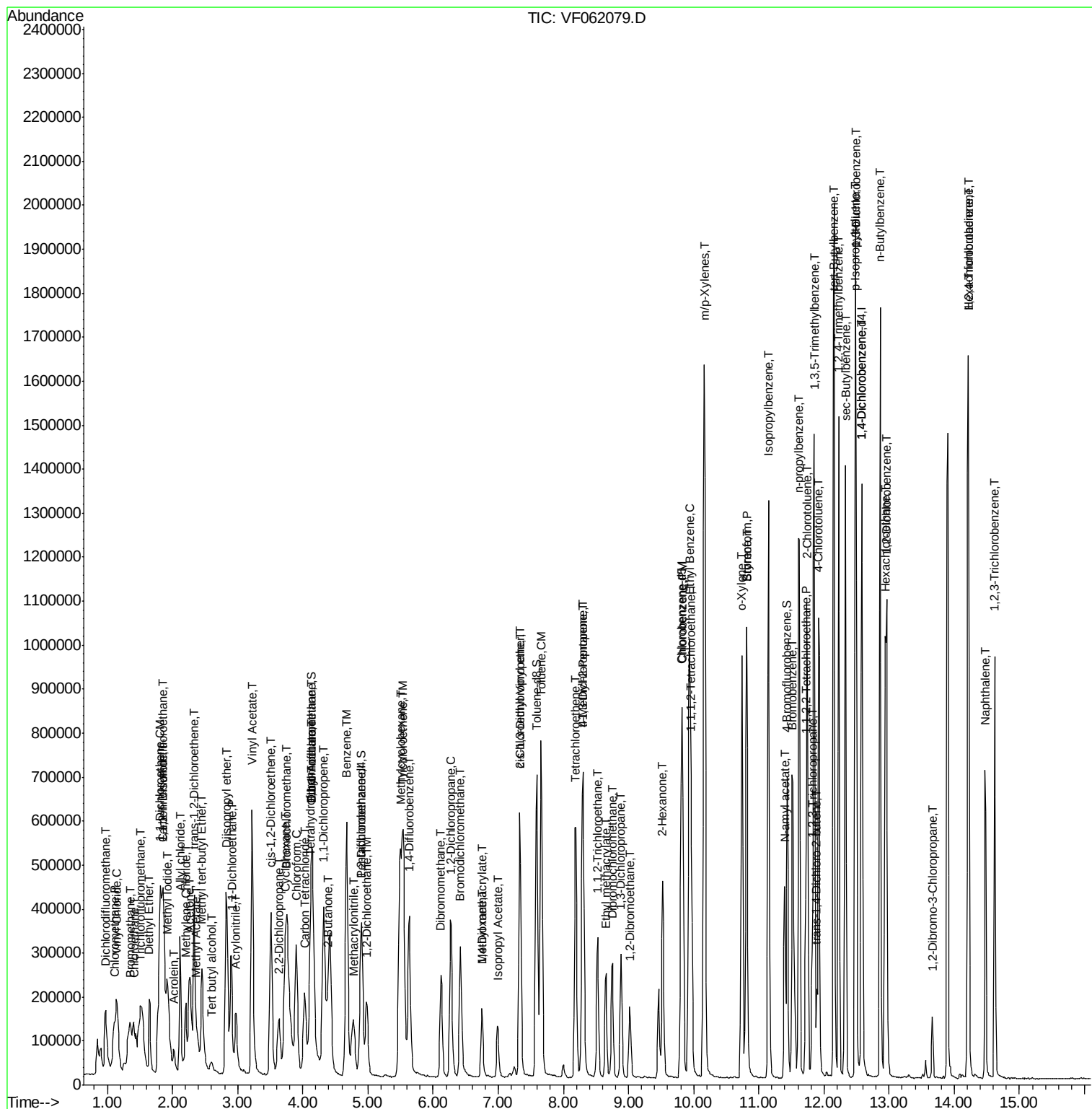
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	279416	68.033	ug/l	97
94) Hexachlorobutadiene	14.21	225	188557	69.048	ug/l	96
95) Naphthalene	14.47	128	547656	76.092	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	284235	73.934	ug/l	99

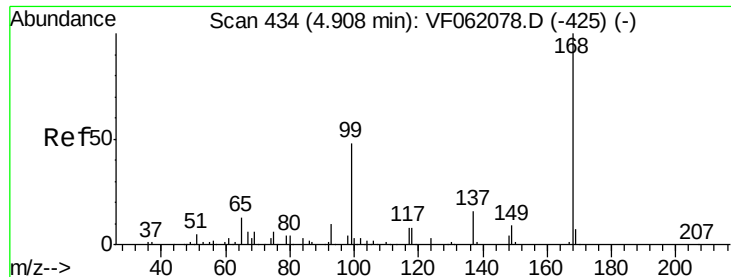
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

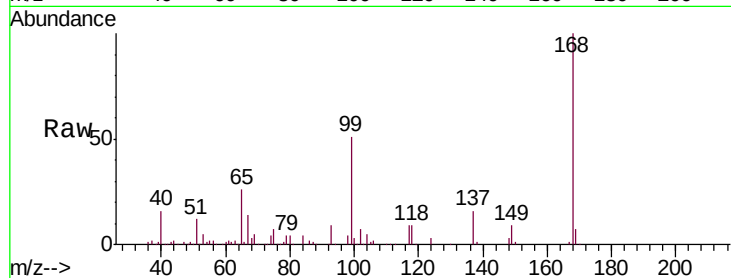
VSTDIC075

Tgt Ion:168 Resp: 281710

Ion Ratio Lower Upper

168 100

99 50.8 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.91

100000

80000

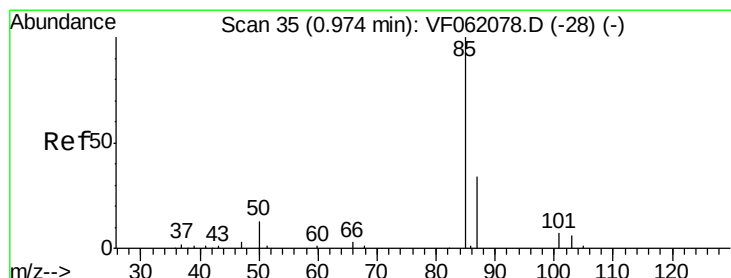
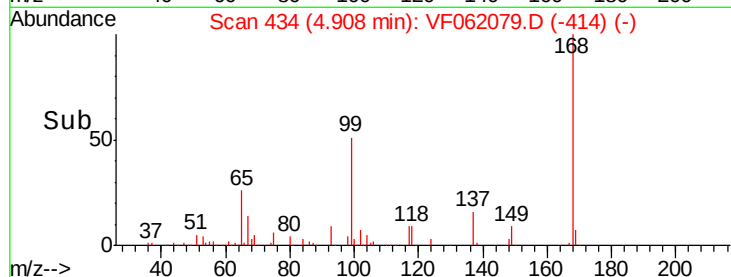
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 73.104 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF062079.D

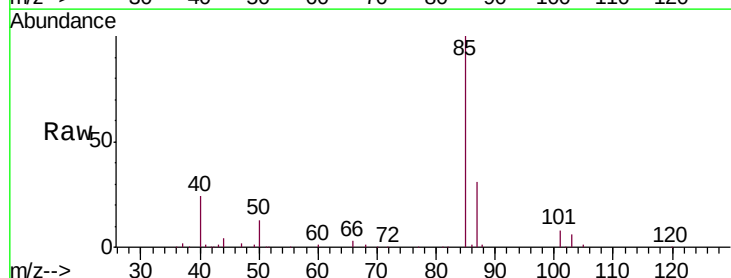
Acq: 22 Mar 2019 12:53

Tgt Ion: 85 Resp: 263827

Ion Ratio Lower Upper

85 100

87 31.5 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

80000

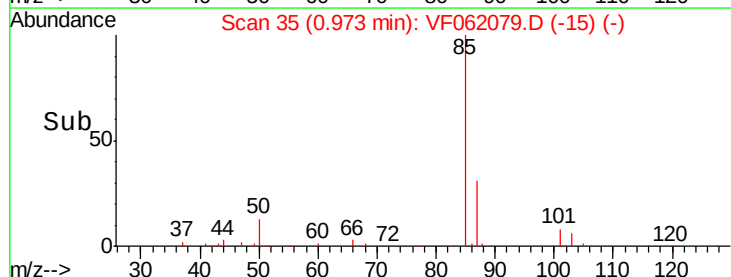
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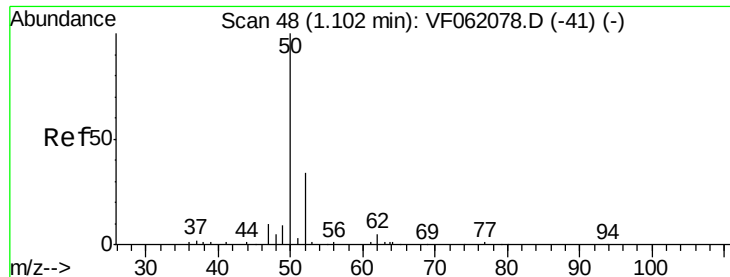
40000

20000

0

Time-->





#3

Chloromethane

Concen: 70.961 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

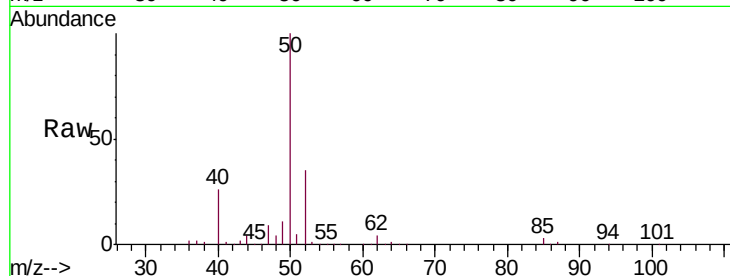
VSTDIC075

Tgt Ion: 50 Resp: 267963

Ion Ratio Lower Upper

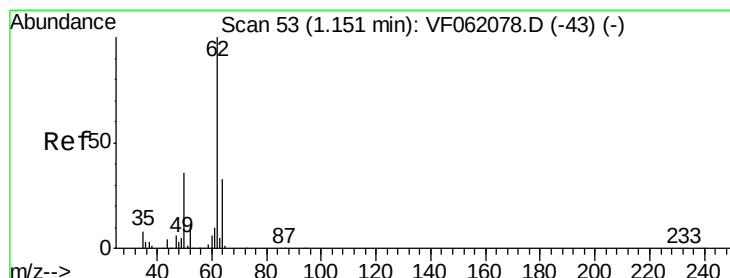
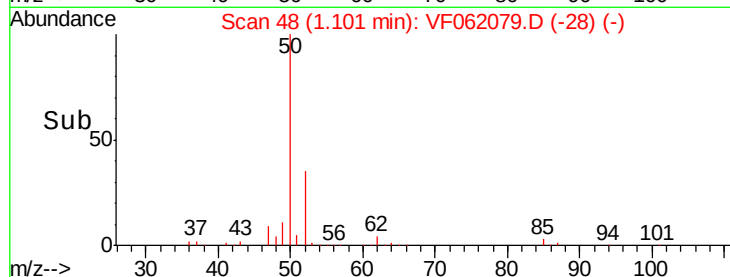
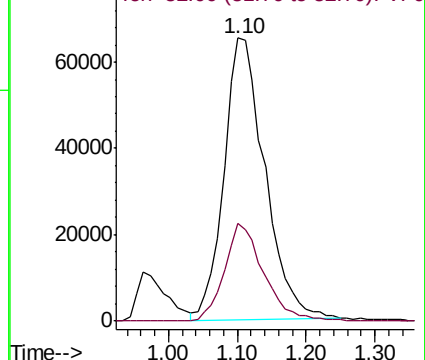
50 100

52 34.5 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 73.803 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF062079.D

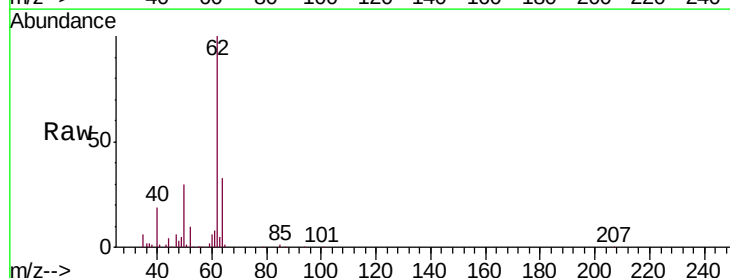
Acq: 22 Mar 2019 12:53

Tgt Ion: 62 Resp: 257787

Ion Ratio Lower Upper

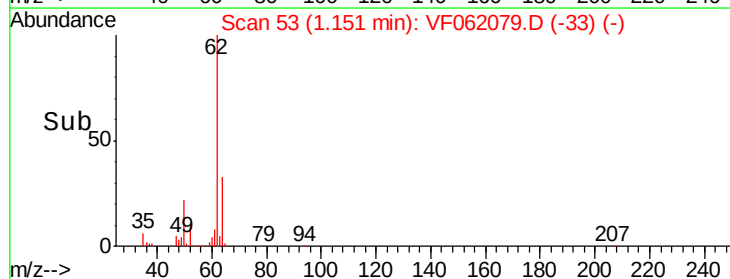
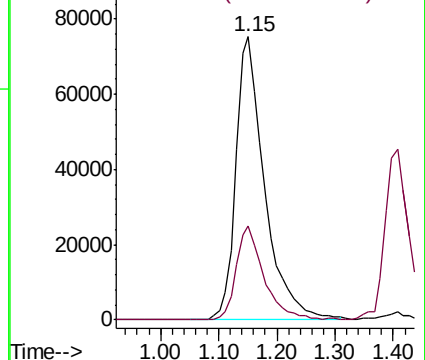
62 100

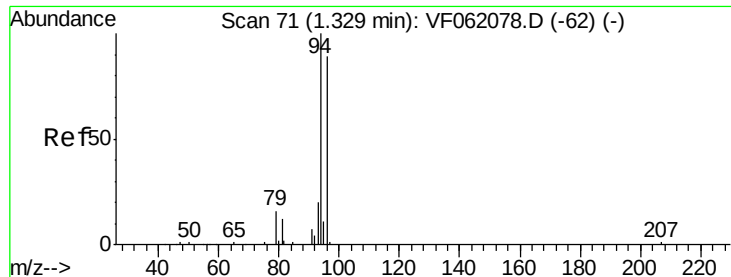
64 33.2 26.2 39.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 74.013 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.02 min

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Acq: 22 Mar 2019 12:53

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ClientSampleId :

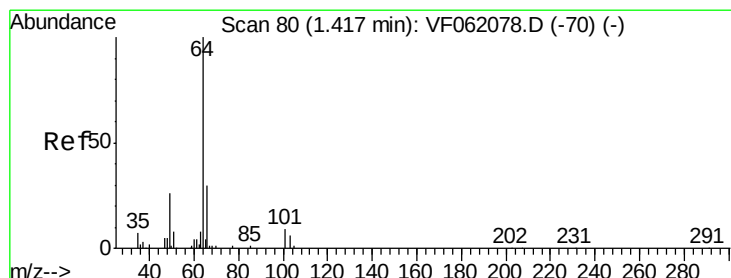
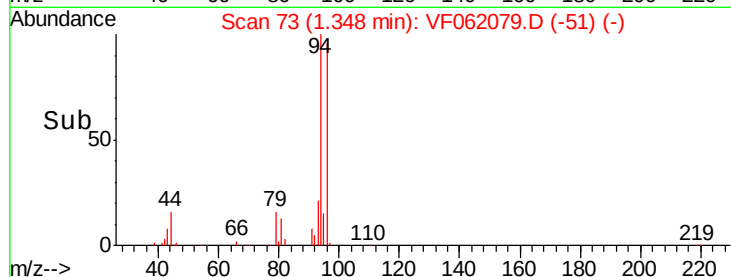
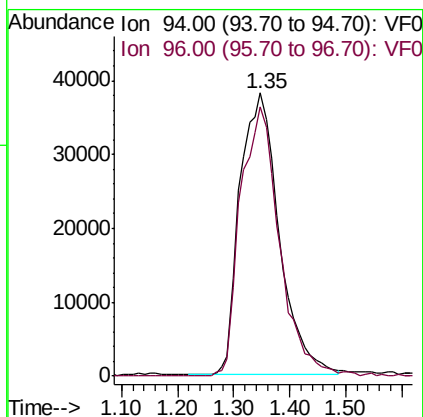
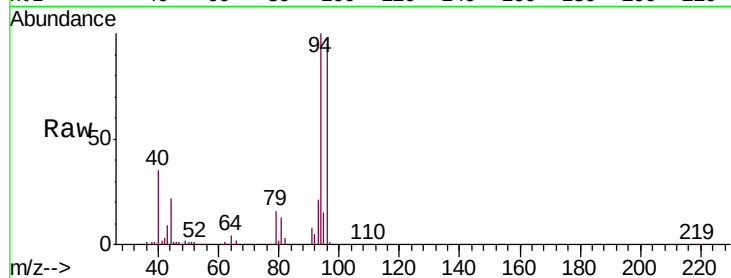
VSTDIC075

Tgt Ion: 94 Resp: 185834

Ion Ratio Lower Upper

94 100

96 95.2 70.9 106.3



#6

Chloroethane

Concen: 75.244 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF062079.D

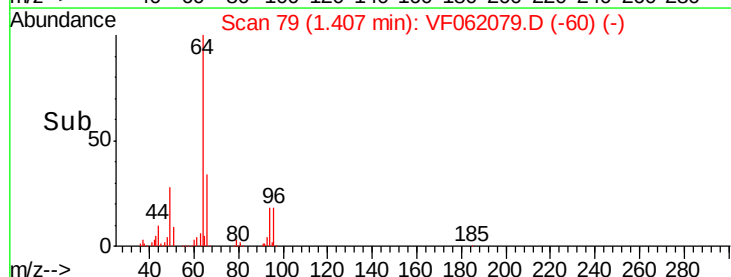
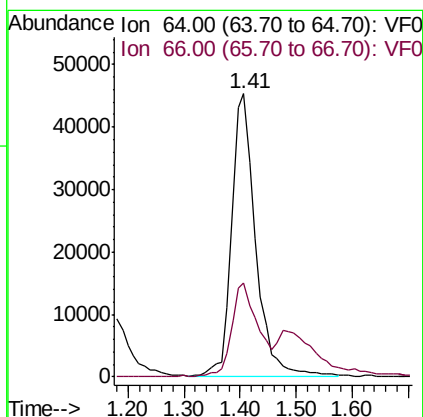
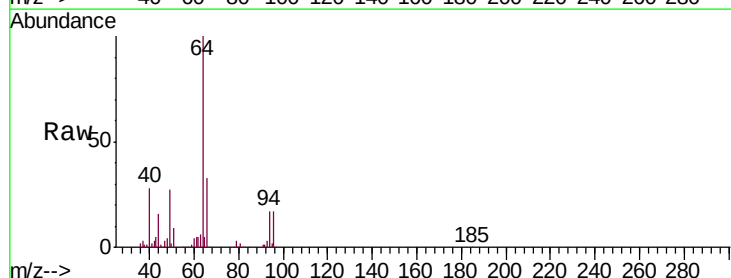
Acq: 22 Mar 2019 12:53

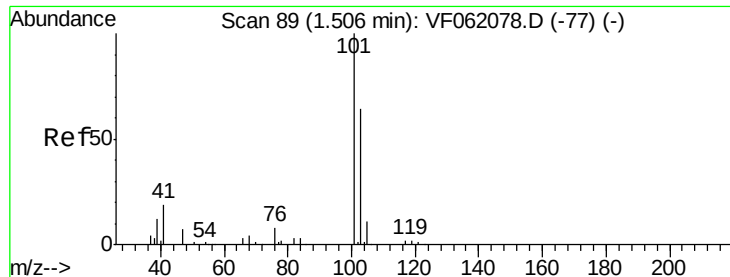
Tgt Ion: 64 Resp: 132304

Ion Ratio Lower Upper

64 100

66 33.2 24.5 36.7



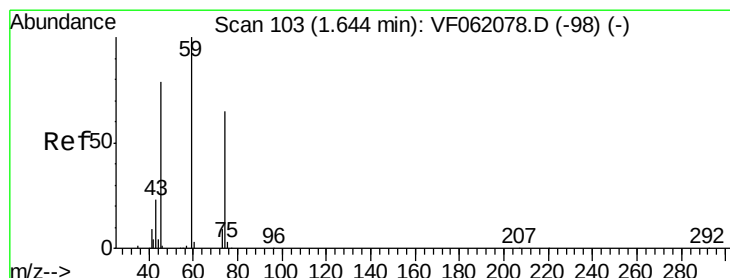
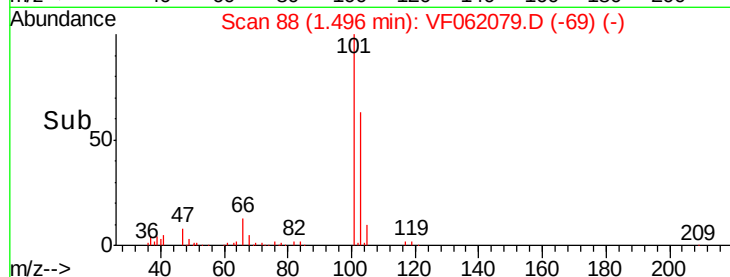
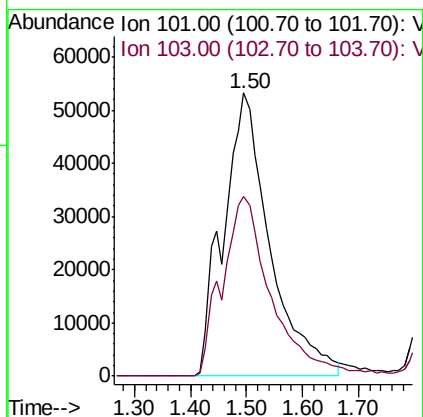
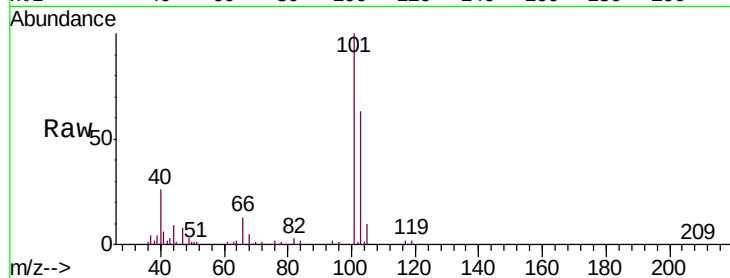


#7

Trichlorofluoromethane
 Concen: 76.076 ug/l
 RT: 1.50 min Scan# 88
 Delta R.T. -0.01 min
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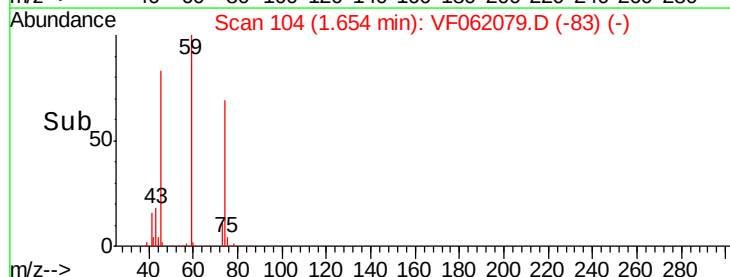
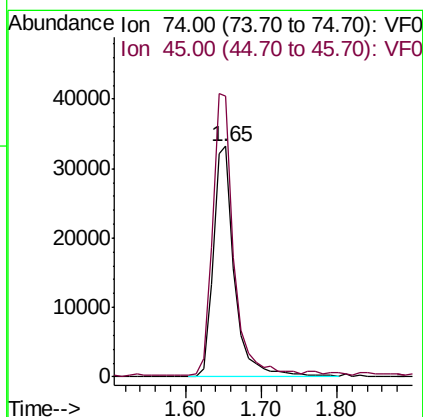
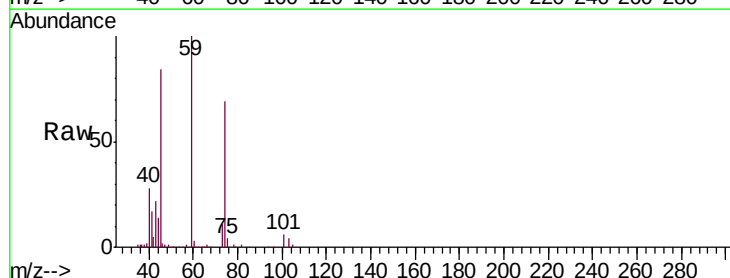
Tgt Ion:101 Resp: 308226
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.5 77.3

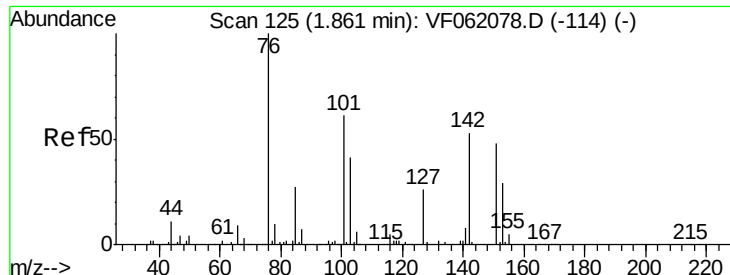


#8

Diethyl Ether
 Concen: 68.442 ug/l
 RT: 1.65 min Scan# 104
 Delta R.T. 0.01 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Tgt Ion: 74 Resp: 65952
 Ion Ratio Lower Upper
 74 100
 45 121.9 61.4 184.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 68.944 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.01 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

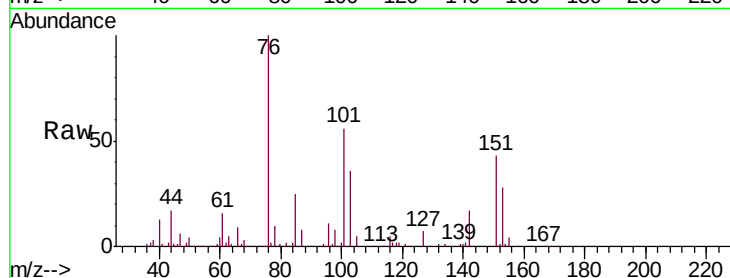
Tgt Ion:101 Resp: 198416

Ion Ratio Lower Upper

101 100

85 43.7 34.6 52.0

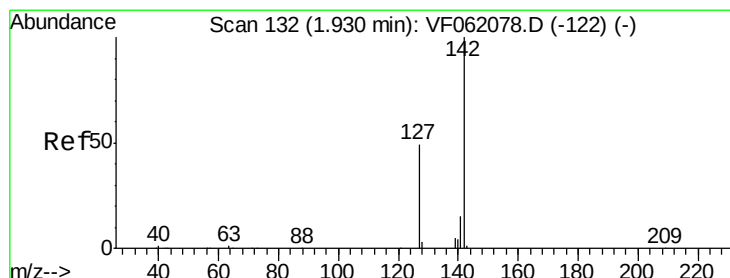
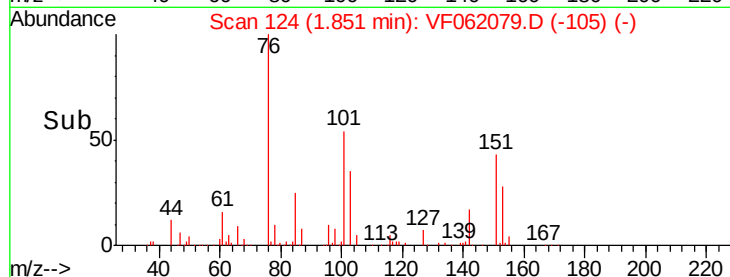
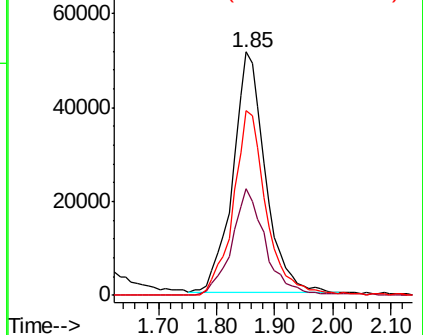
151 75.7 61.7 92.5



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: 56.981 ug/l

RT: 1.92 min Scan# 131

Delta R.T. -0.01 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

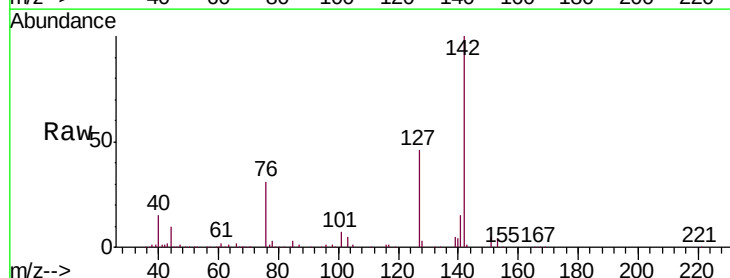
Tgt Ion:142 Resp: 305765

Ion Ratio Lower Upper

142 100

127 45.9 39.1 58.7

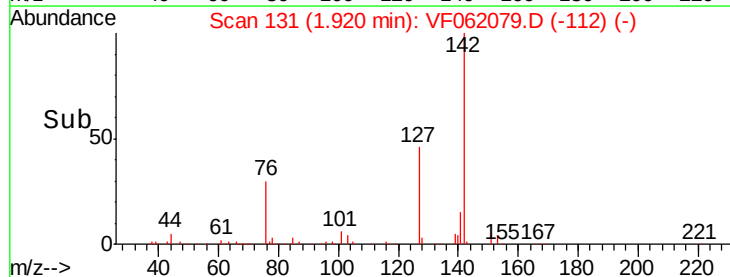
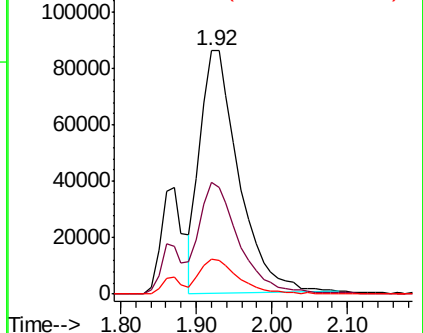
141 14.5 12.2 18.4

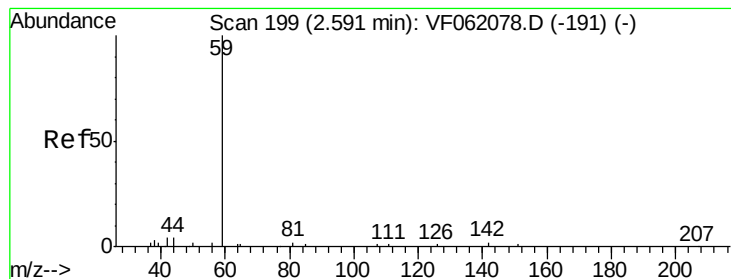


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



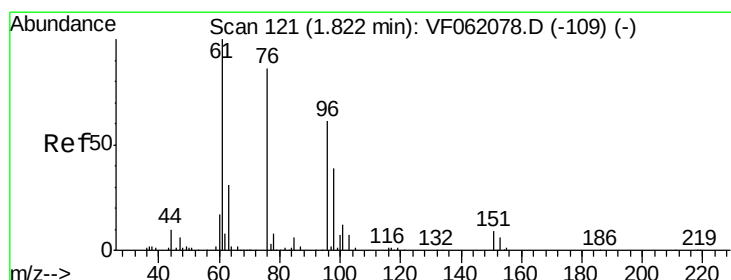
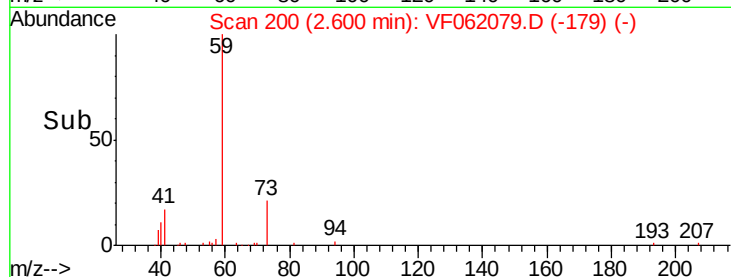
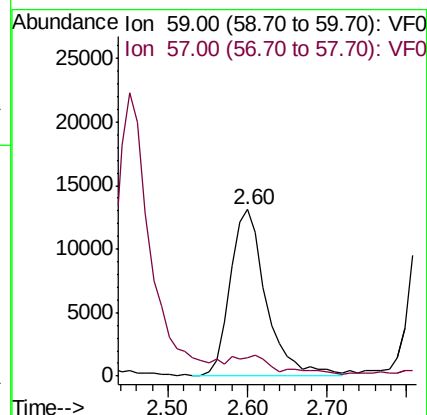
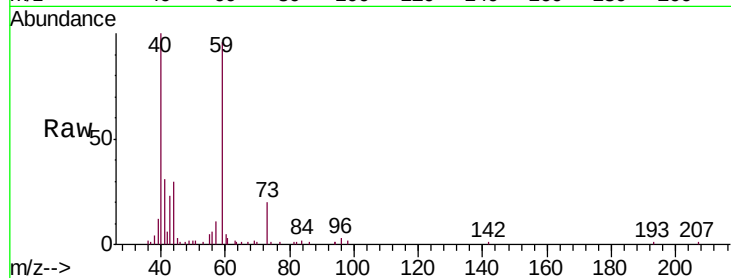


#11

Tert butyl alcohol
Concen: 361.838 ug/l
RT: 2.60 min Scan# 200
Delta R.T. 0.01 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

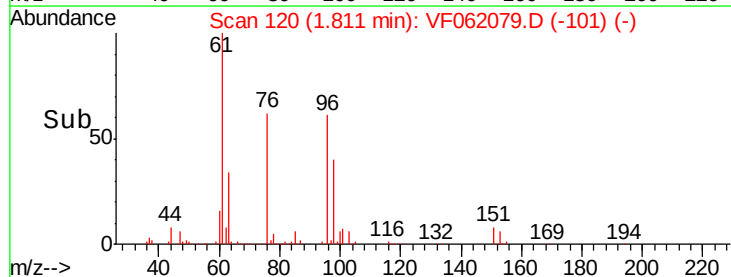
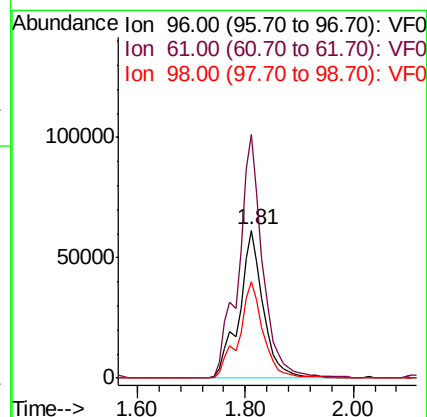
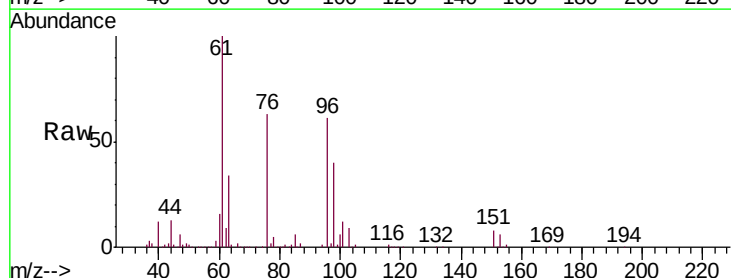
Tgt Ion: 59 Resp: 41717
Ion Ratio Lower Upper
59 100
57 11.3 11.0 16.4

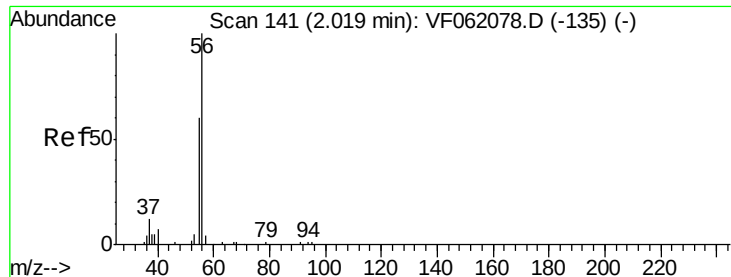


#12

1,1-Dichloroethene
Concen: 70.819 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

Tgt Ion: 96 Resp: 192308
Ion Ratio Lower Upper
96 100
61 164.6 131.0 196.6
98 65.3 51.5 77.3

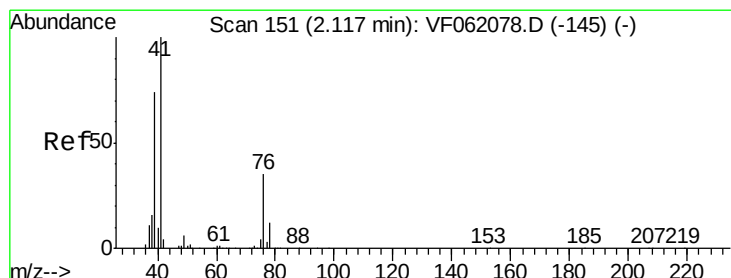
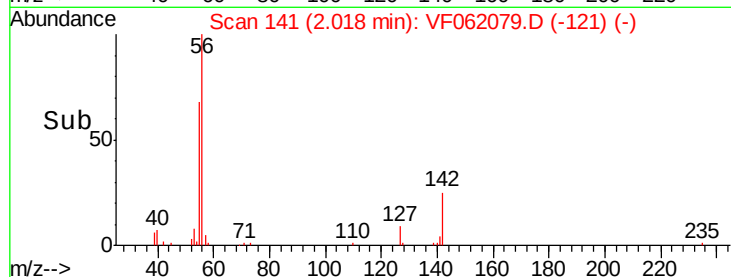
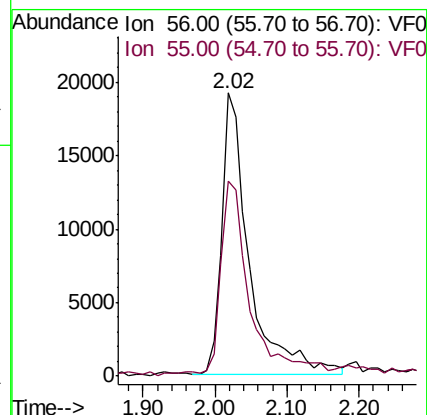
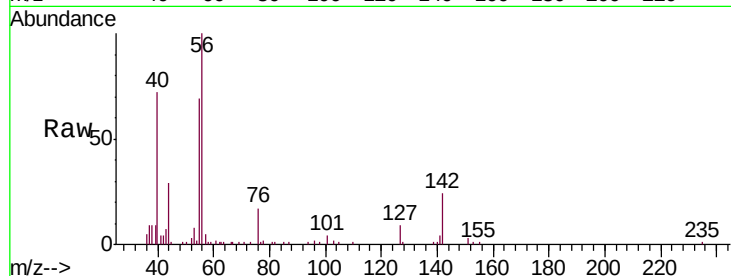




#13
 Acrolein
 Concen: 361.871 ug/l
 RT: 2.02 min Scan# 141
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

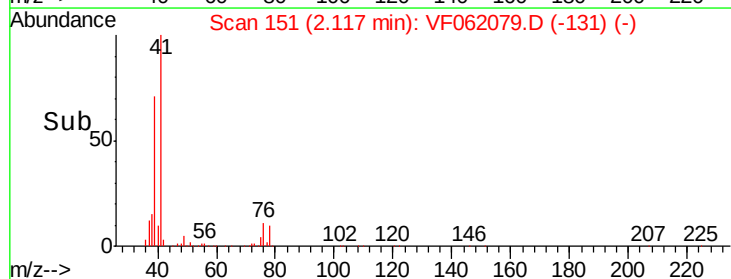
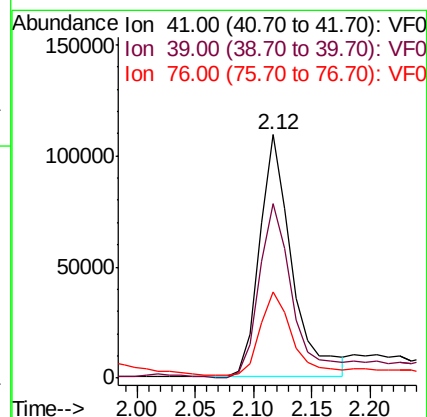
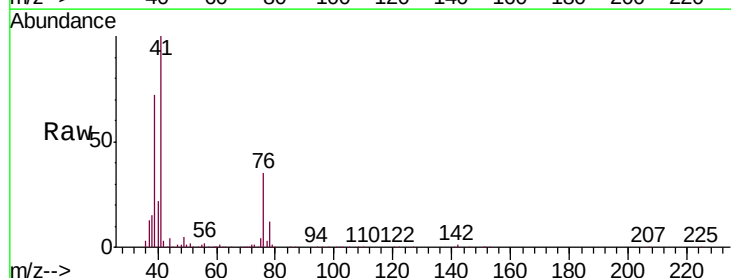
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

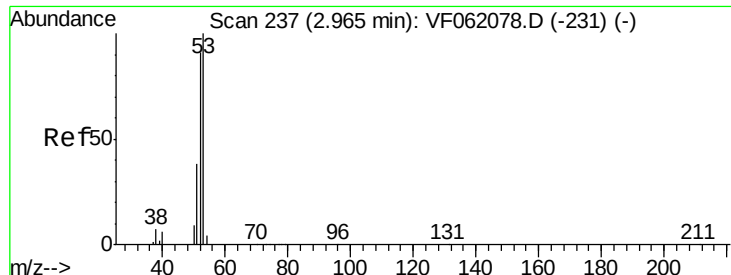
Tgt Ion: 56 Resp: 50284
 Ion Ratio Lower Upper
 56 100
 55 68.7 49.0 73.4



#14
 Allyl chloride
 Concen: 72.619 ug/l
 RT: 2.12 min Scan# 151
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Tgt Ion: 41 Resp: 210536
 Ion Ratio Lower Upper
 41 100
 39 71.5 59.8 89.8
 76 35.2 30.0 45.0





#15

Acrylonitrile

Concen: 370.733 ug/l

RT: 2.97 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

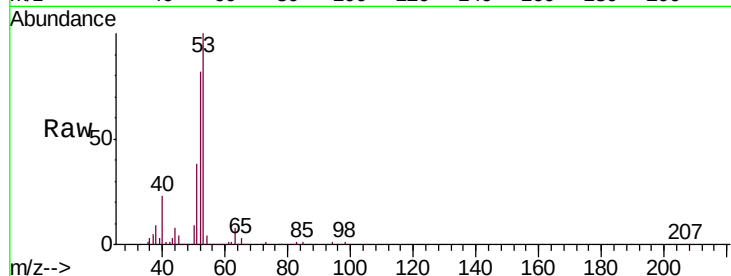
Tgt Ion: 53 Resp: 150303

Ion Ratio Lower Upper

53 100

52 82.0 72.3 108.5

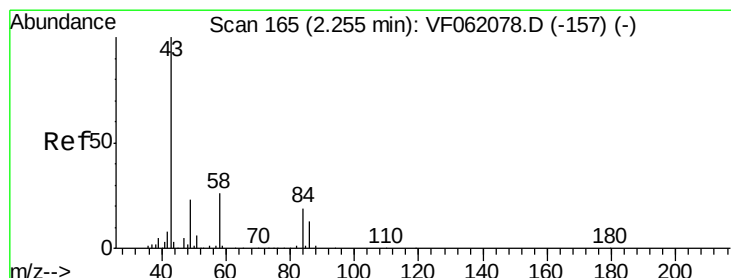
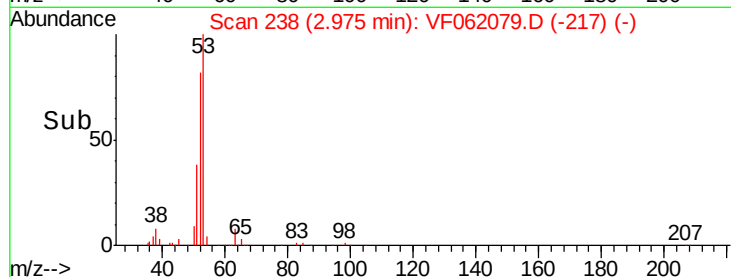
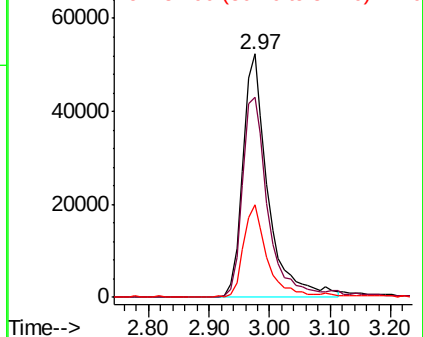
51 37.8 30.4 45.6



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: 370.804 ug/l

RT: 2.26 min Scan# 166

Delta R.T. 0.01 min

Lab File: VF062079.D

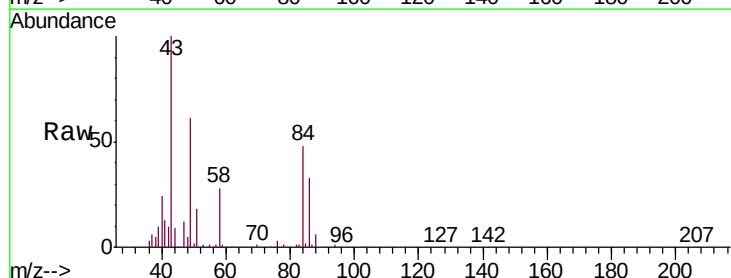
Acq: 22 Mar 2019 12:53

Tgt Ion: 43 Resp: 163527

Ion Ratio Lower Upper

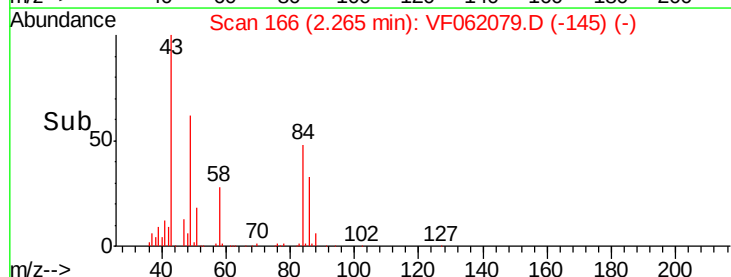
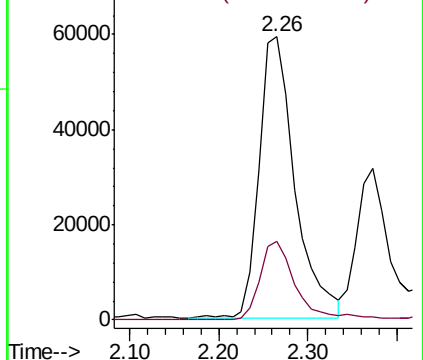
43 100

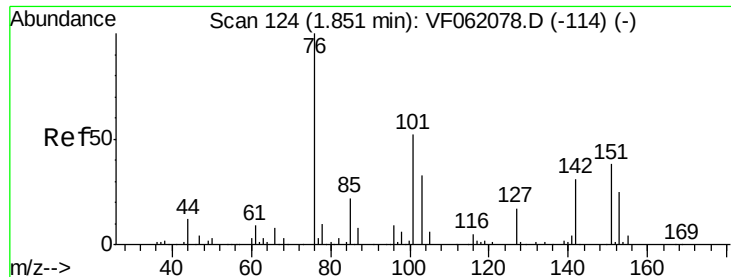
58 27.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 73.691 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

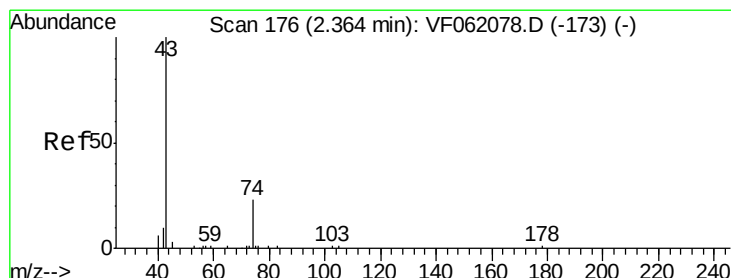
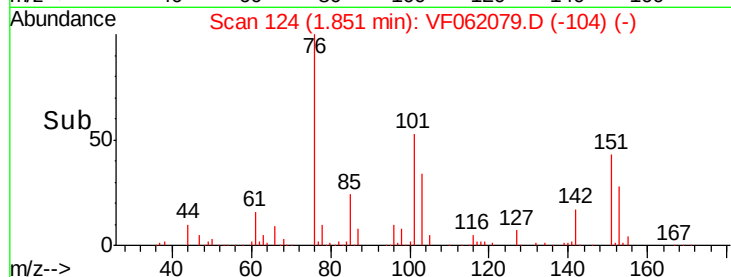
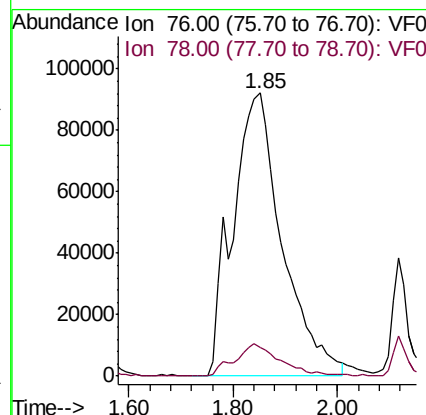
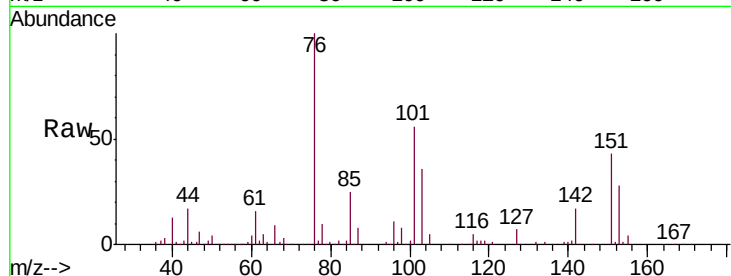
VSTDIC075

Tgt Ion: 76 Resp: 598136

Ion Ratio Lower Upper

76 100

78 10.1 7.9 11.9



#18

Methyl Acetate

Concen: 65.240 ug/l

RT: 2.37 min Scan# 177

Delta R.T. 0.01 min

Lab File: VF062079.D

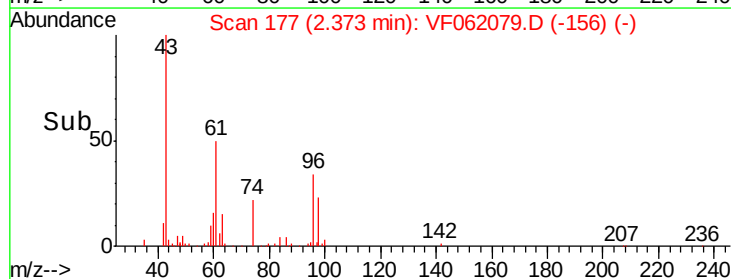
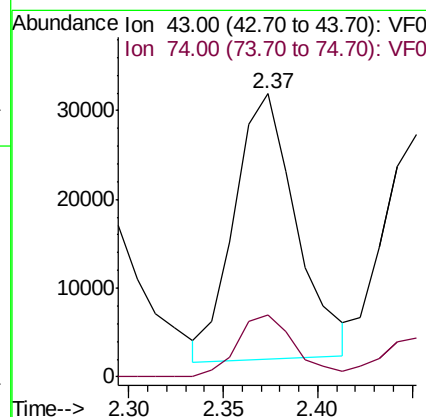
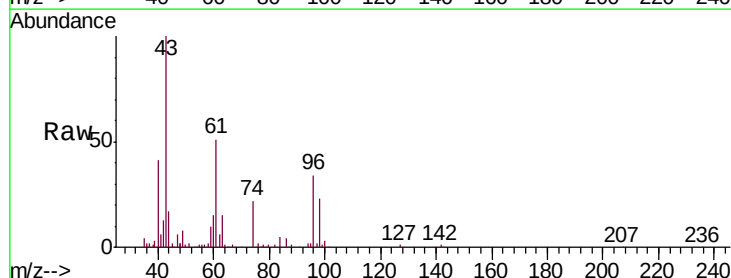
Acq: 22 Mar 2019 12:53

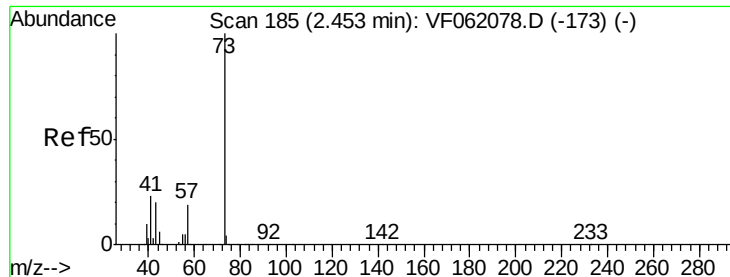
Tgt Ion: 43 Resp: 68156

Ion Ratio Lower Upper

43 100

74 21.8 16.3 24.5



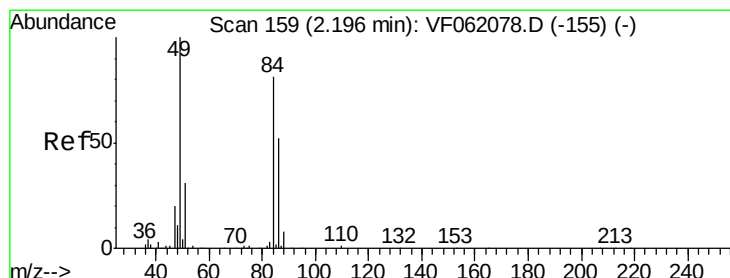
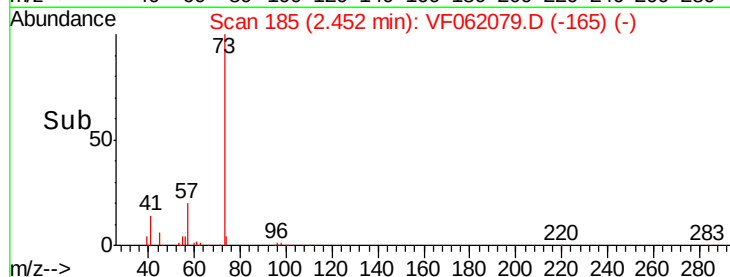
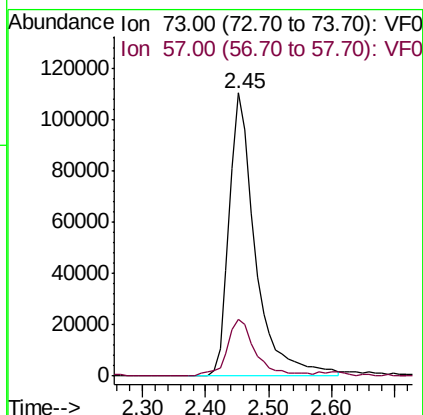
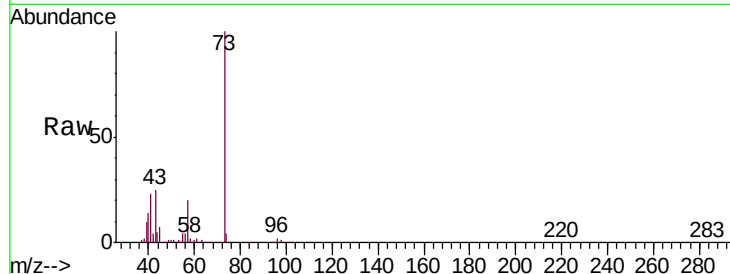


#19

Methyl tert-butyl Ether
 Concen: 74.327 ug/l
 RT: 2.45 min Scan# 185
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

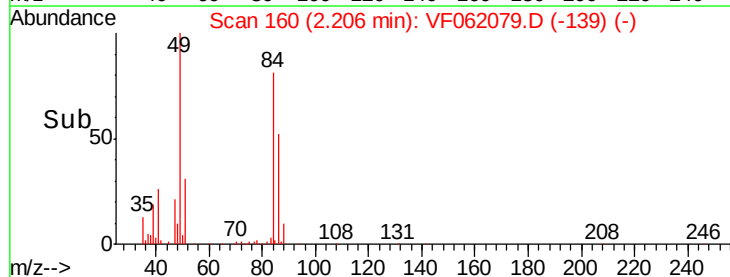
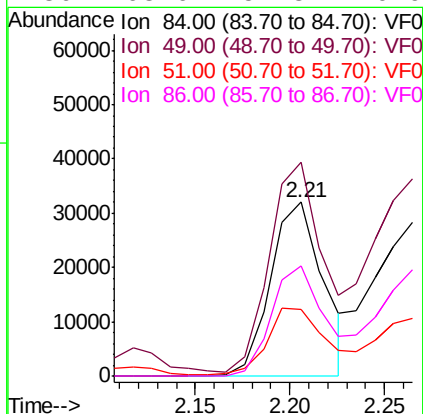
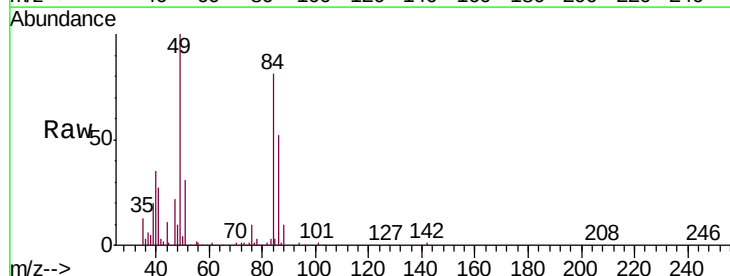
Tgt Ion: 73 Resp: 318995
 Ion Ratio Lower Upper
 73 100
 57 20.2 15.1 22.7

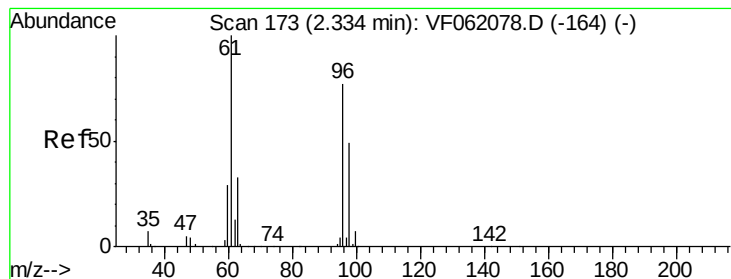


#20

Methylene Chloride
 Concen: 21.120 ug/l
 RT: 2.21 min Scan# 160
 Delta R.T. 0.01 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Tgt Ion: 84 Resp: 62221
 Ion Ratio Lower Upper
 84 100
 49 122.9 100.4 150.6
 51 38.2 31.0 46.6
 86 63.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 79.952 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

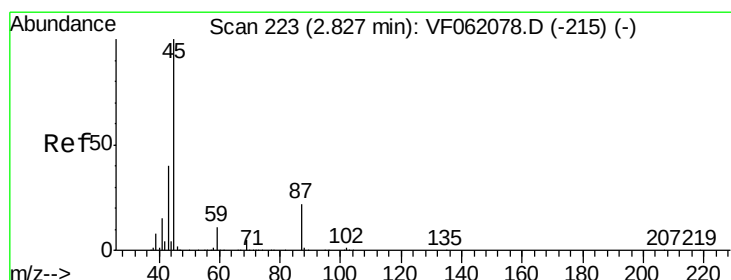
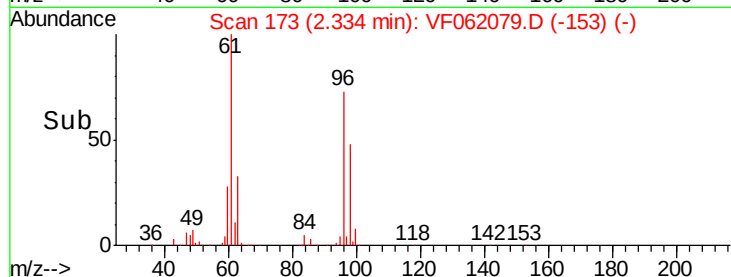
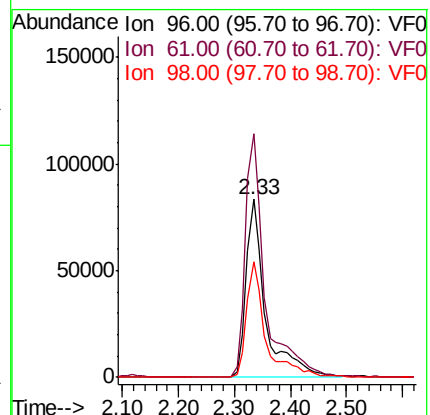
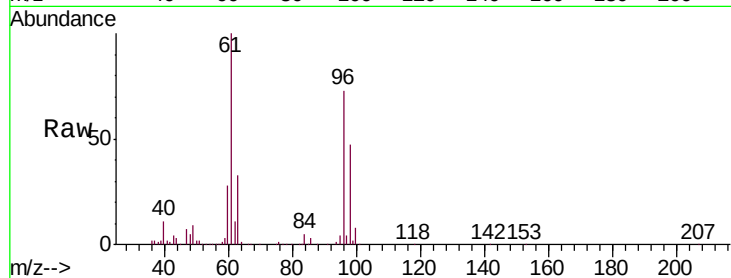
Tgt Ion: 96 Resp: 201772

Ion Ratio Lower Upper

96 100

61 136.7 104.5 156.7

98 64.9 51.2 76.8



#22

Diisopropyl ether

Concen: 74.767 ug/l

RT: 2.83 min Scan# 223

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Tgt Ion: 45 Resp: 568314

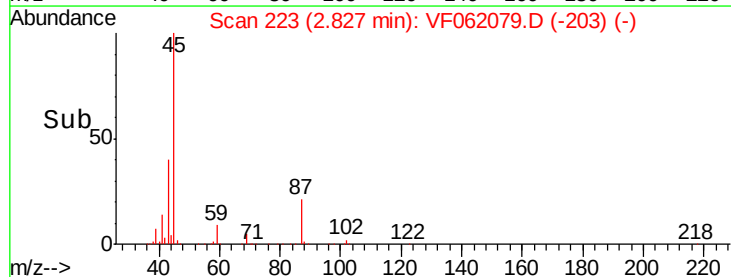
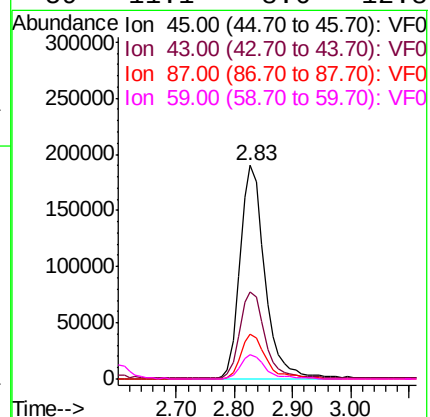
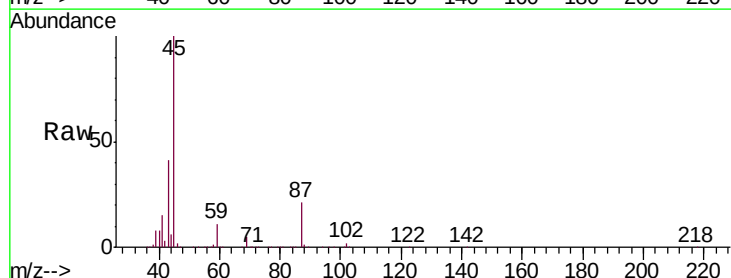
Ion Ratio Lower Upper

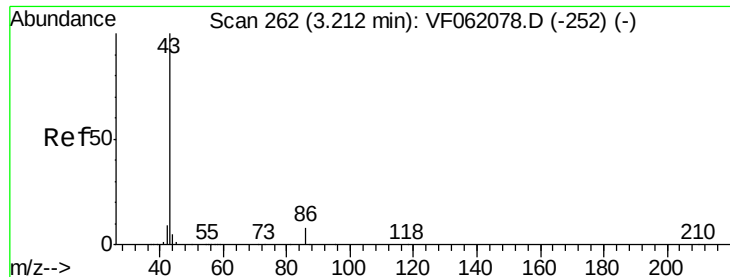
45 100

43 41.0 32.5 48.7

87 21.0 17.4 26.2

59 11.1 8.6 12.8





#23

Vinyl Acetate

Concen: 392.805 ug/l

RT: 3.22 min Scan# 263

Delta R.T. 0.01 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

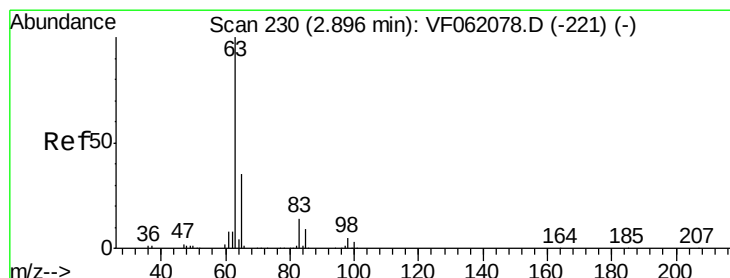
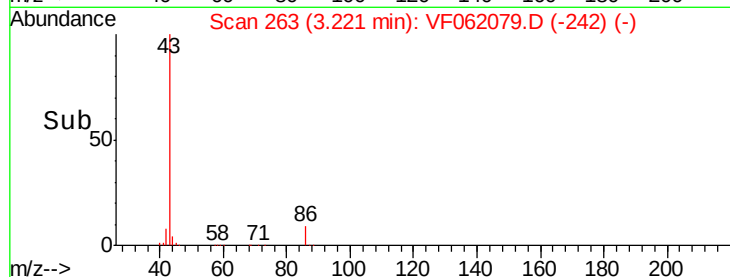
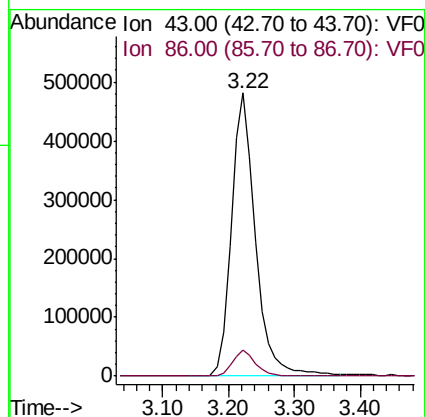
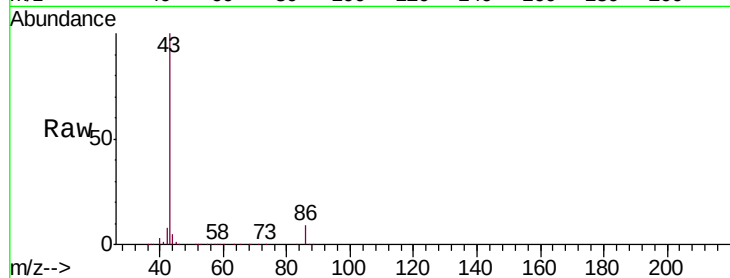
VSTDIC075

Tgt Ion: 43 Resp: 1222468

Ion Ratio Lower Upper

43 100

86 9.5 6.8 10.2



#24

1,1-Dichloroethane

Concen: 73.214 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

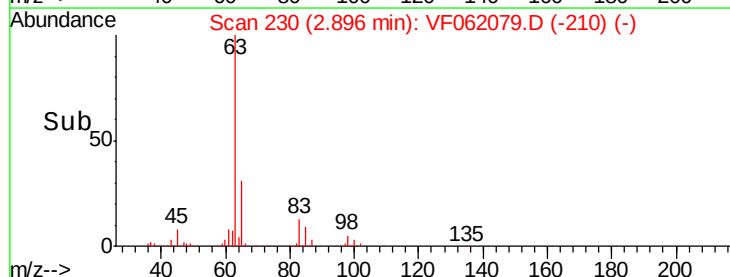
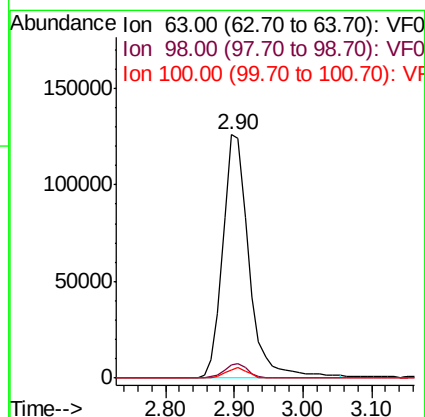
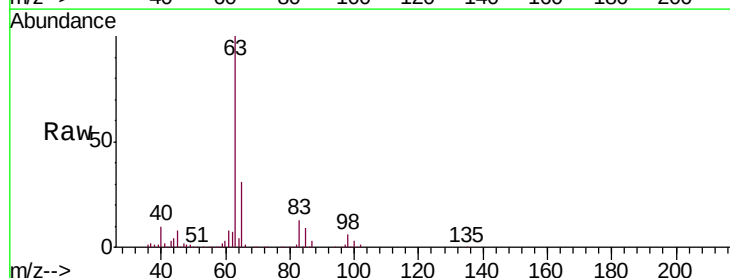
Tgt Ion: 63 Resp: 333728

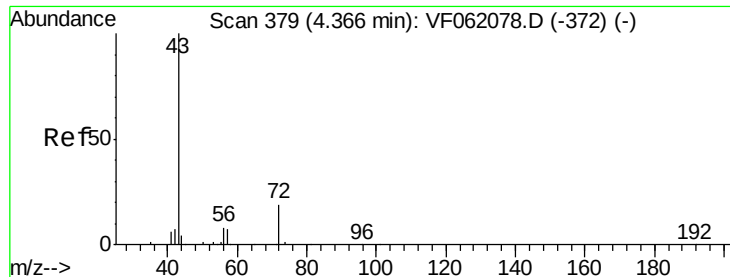
Ion Ratio Lower Upper

63 100

98 5.6 2.7 8.1

100 3.3 1.7 5.1





#25

2-Butanone

Concen: 353.576 ug/l

RT: 4.38 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

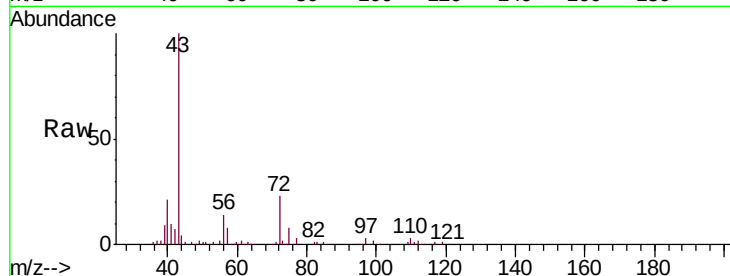
VSTDIC075

Tgt Ion: 43 Resp: 325523

Ion Ratio Lower Upper

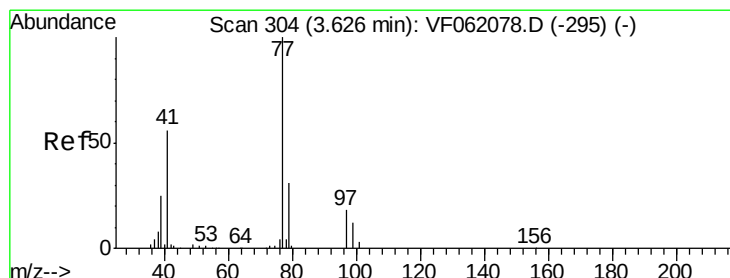
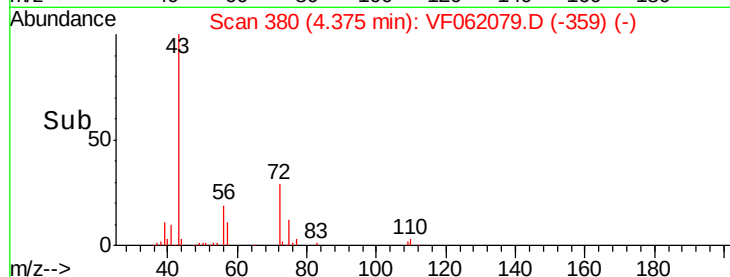
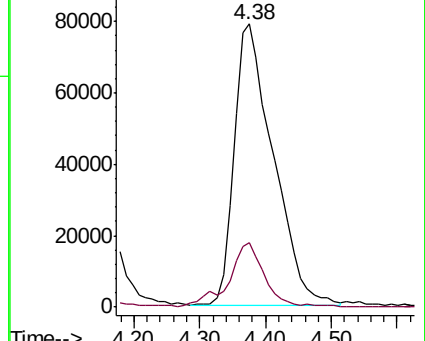
43 100

72 22.8 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 71.980 ug/l

RT: 3.64 min Scan# 305

Delta R.T. 0.01 min

Lab File: VF062079.D

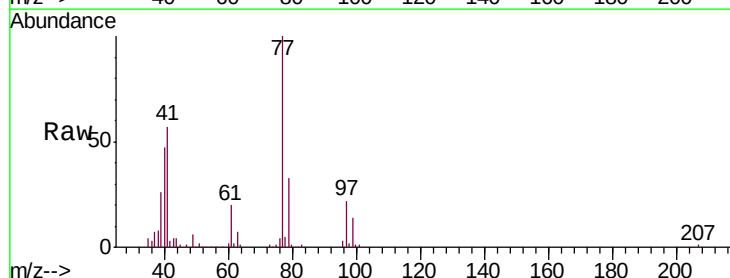
Acq: 22 Mar 2019 12:53

Tgt Ion: 77 Resp: 133031

Ion Ratio Lower Upper

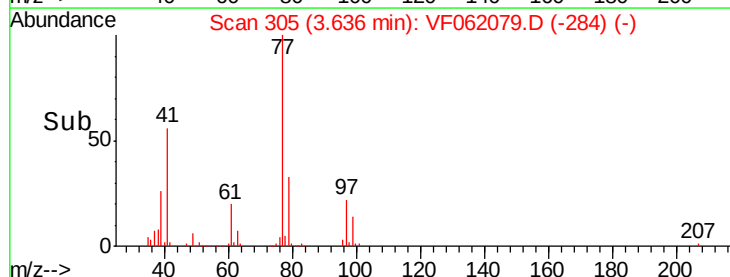
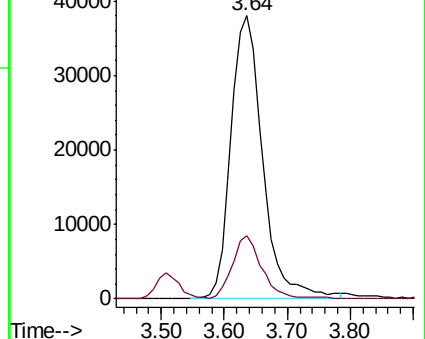
77 100

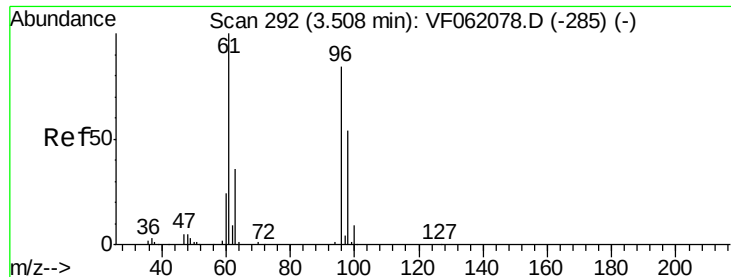
97 22.5 10.3 30.9



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



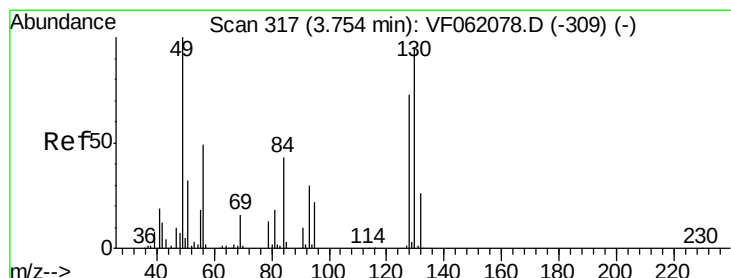
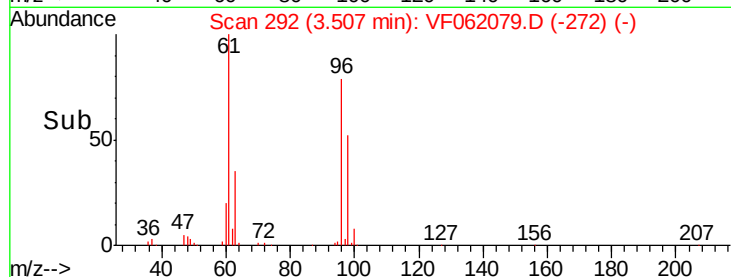
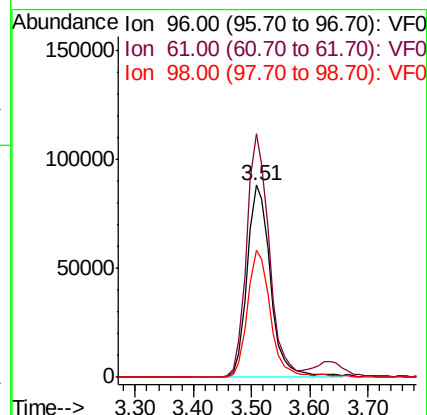
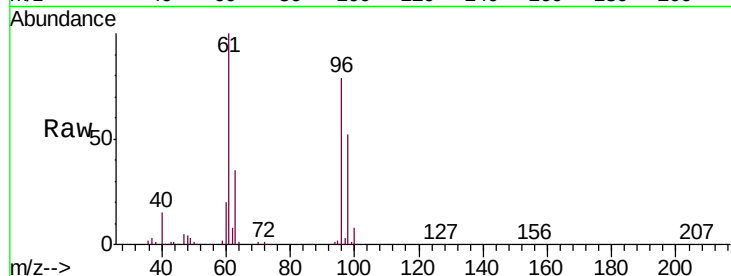


#27

cis-1,2-Dichloroethene
 Concen: 72.115 ug/l
 RT: 3.51 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

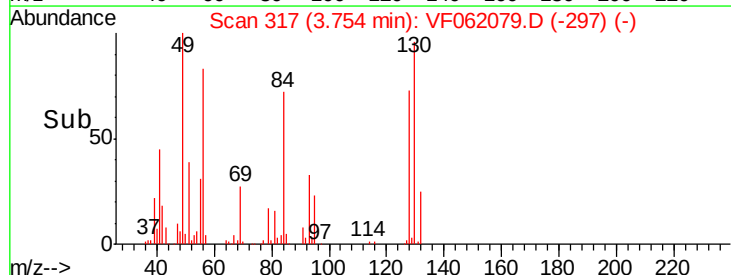
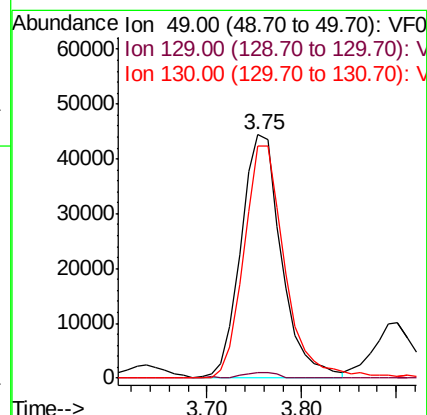
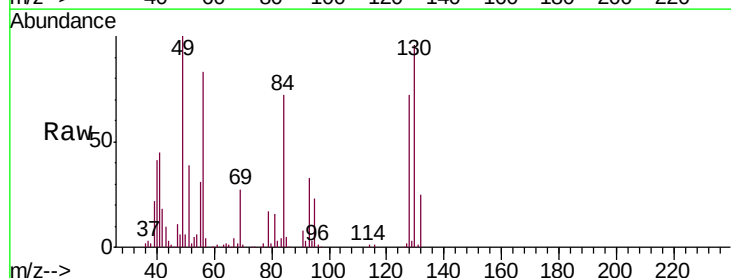
Tgt Ion: 96 Resp: 249676
 Ion Ratio Lower Upper
 96 100
 61 126.9 0.0 239.0
 98 66.2 0.0 128.2

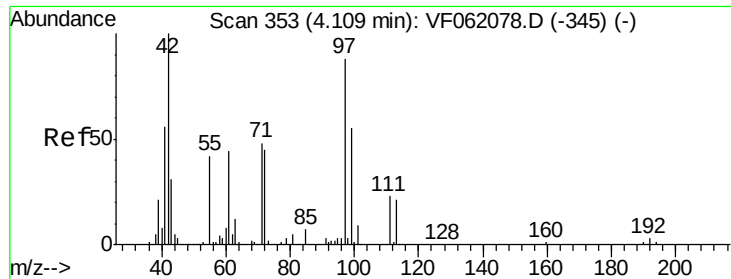


#28

Bromochloromethane
 Concen: 70.456 ug/l
 RT: 3.75 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Tgt Ion: 49 Resp: 131218
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 5.6
 130 95.6 75.5 113.3

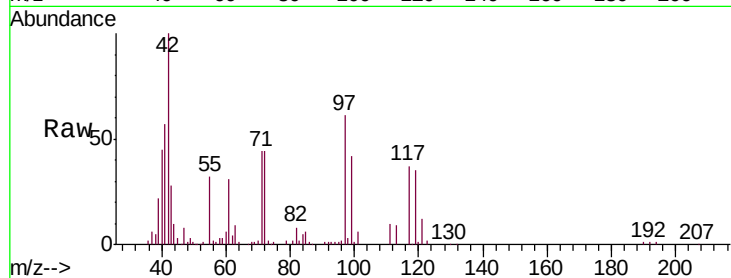




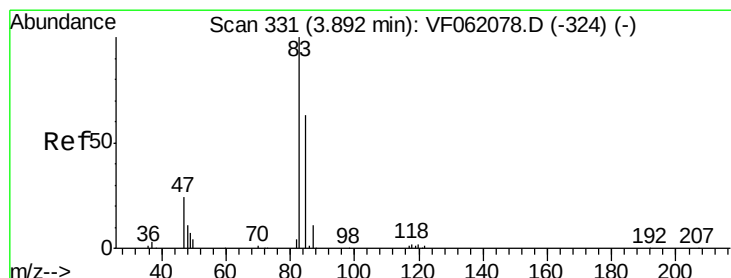
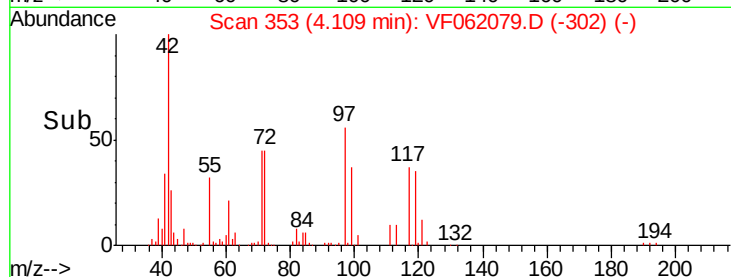
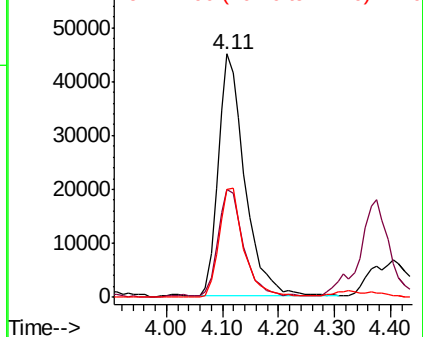
#29
Tetrahydrofuran
Concen: 365.944 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion: 42 Resp: 146483
Ion Ratio Lower Upper
42 100
72 44.5 33.3 49.9
71 42.8 35.0 52.4

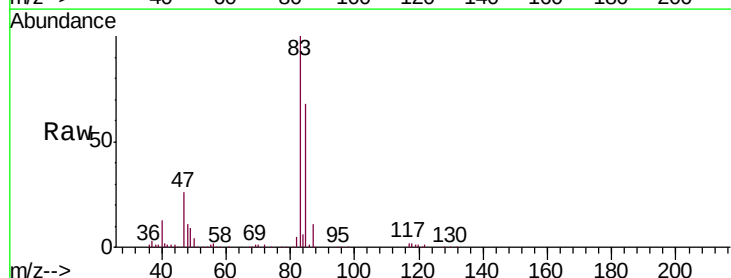


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

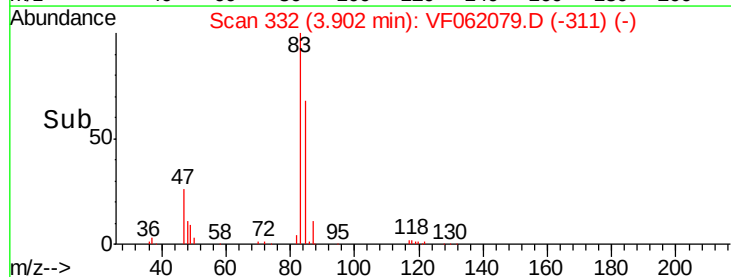
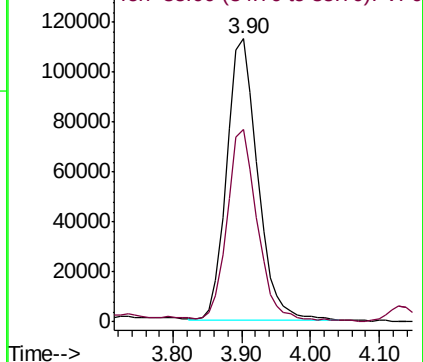


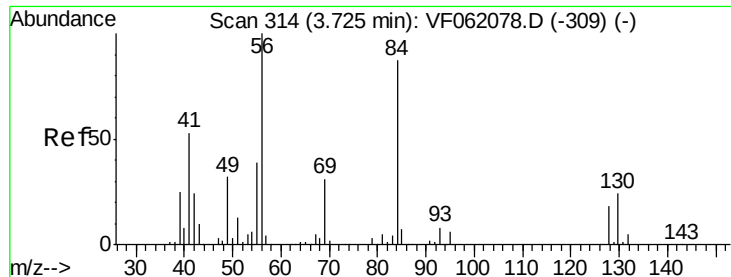
#30
Chloroform
Concen: 72.561 ug/l
RT: 3.90 min Scan# 332
Delta R.T. 0.01 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

Tgt Ion: 83 Resp: 349547
Ion Ratio Lower Upper
83 100
85 67.8 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

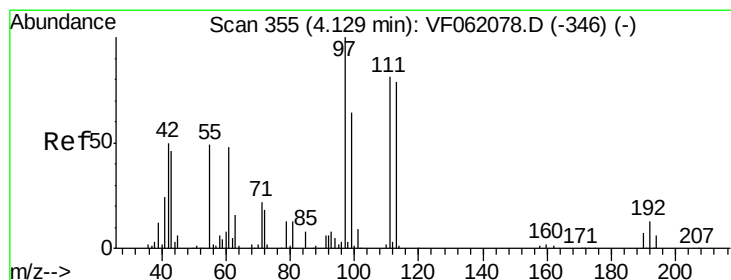
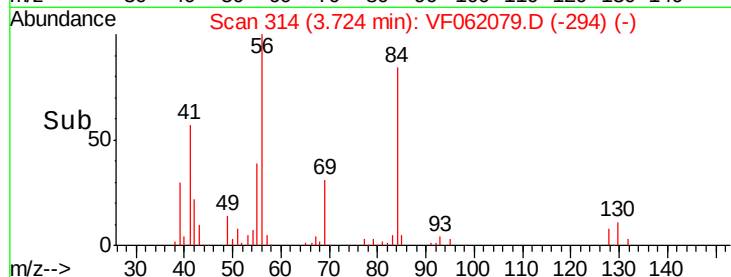
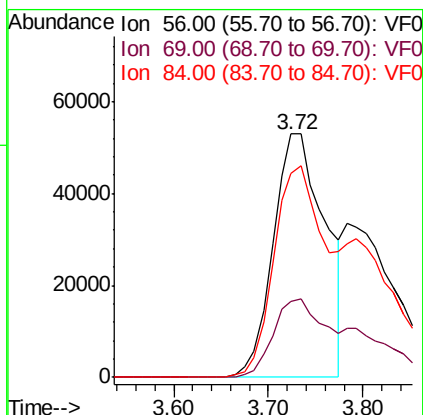
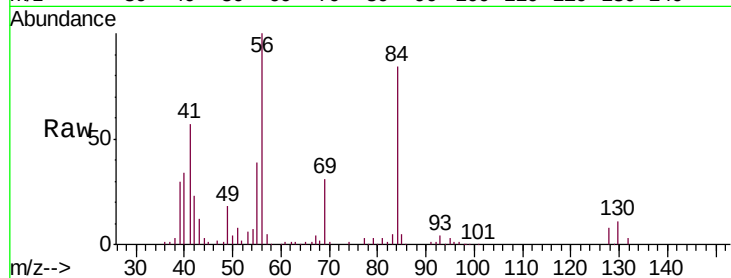




#31
Cyclohexane
Concen: 45.343 ug/l
RT: 3.72 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

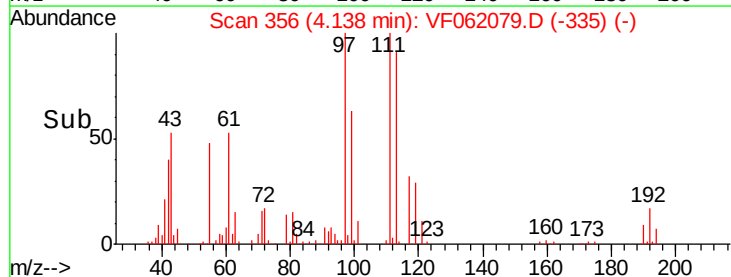
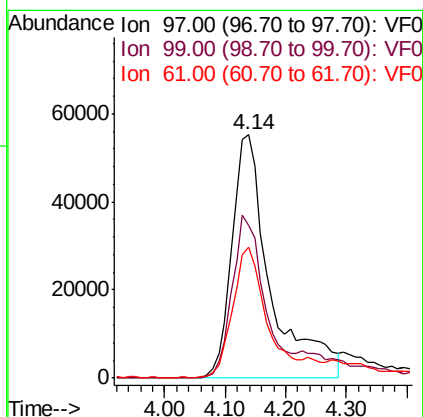
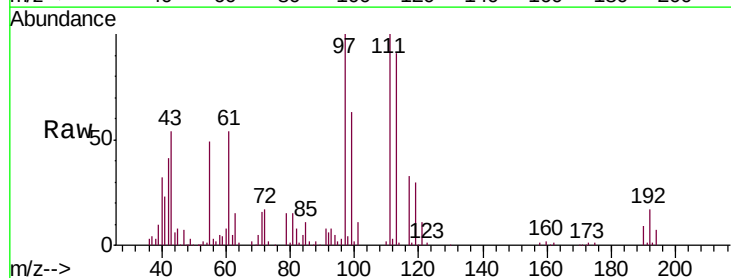
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

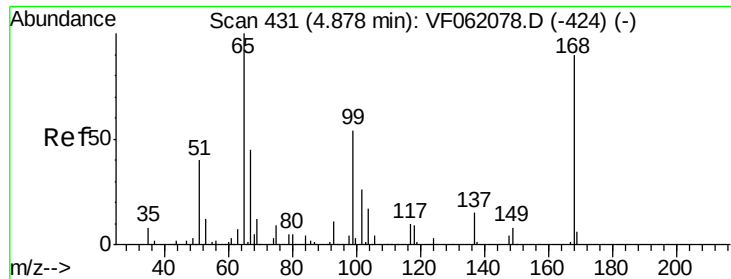
Tgt Ion: 56 Resp: 202835
Ion Ratio Lower Upper
56 100
69 31.3 25.9 38.9
84 83.6 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 84.068 ug/l
RT: 4.14 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

Tgt Ion: 97 Resp: 246351
Ion Ratio Lower Upper
97 100
99 62.9 51.3 76.9
61 53.6 39.0 58.6





#33

1,2-Dichloroethane-d4

Concen: 74.007 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.01 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

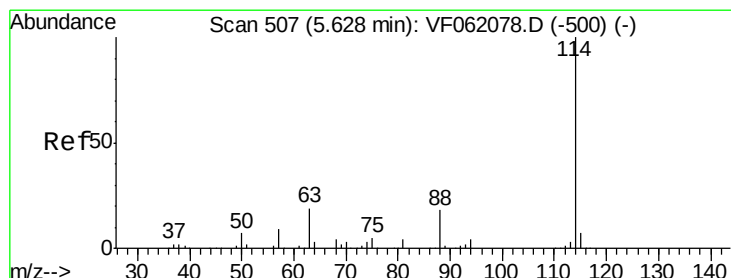
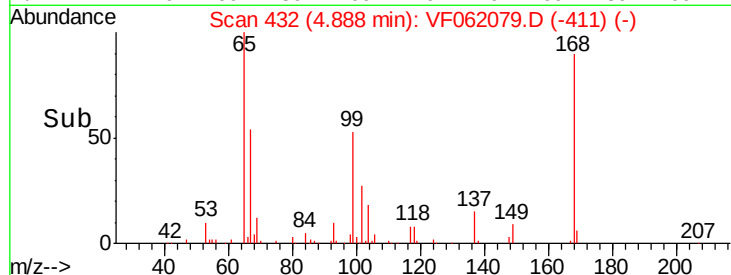
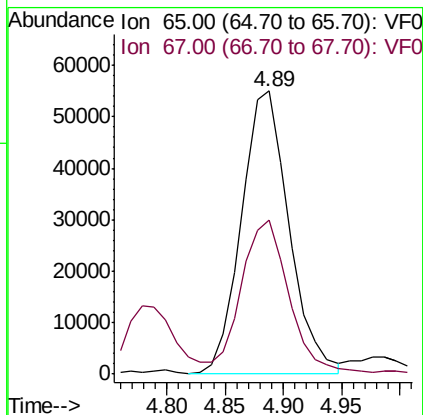
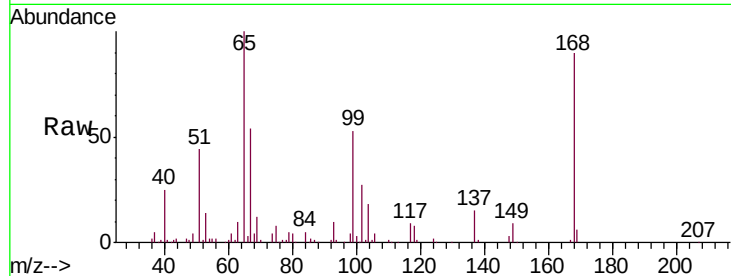
VSTDIC075

Tgt Ion: 65 Resp: 155072

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 508

Delta R.T. 0.01 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

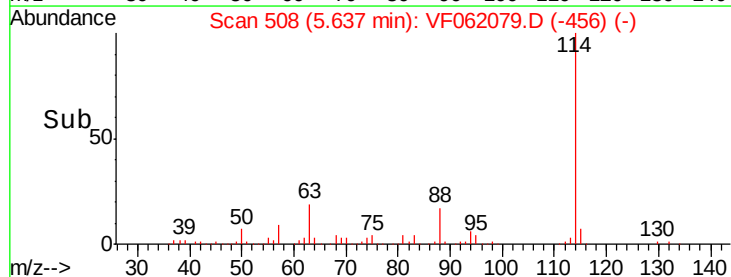
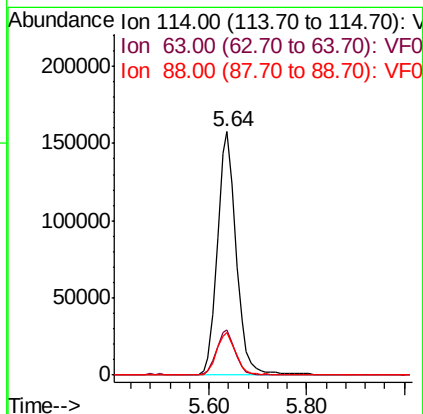
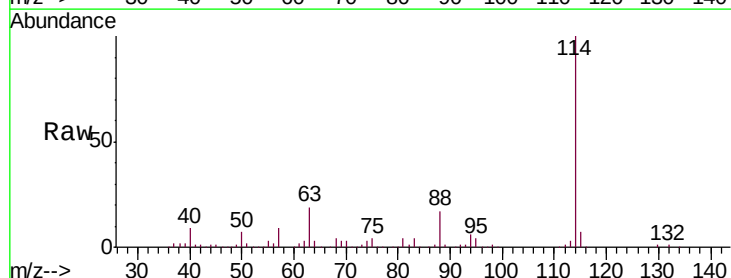
Tgt Ion: 114 Resp: 425070

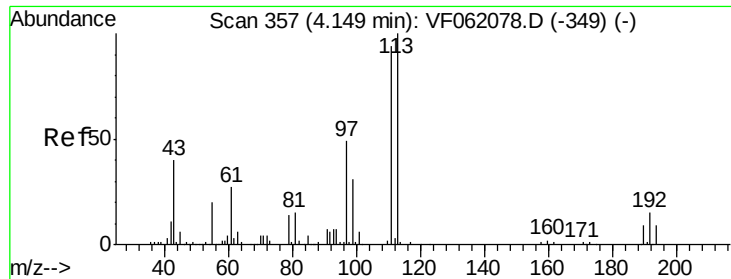
Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.8

88 17.4 0.0 36.4

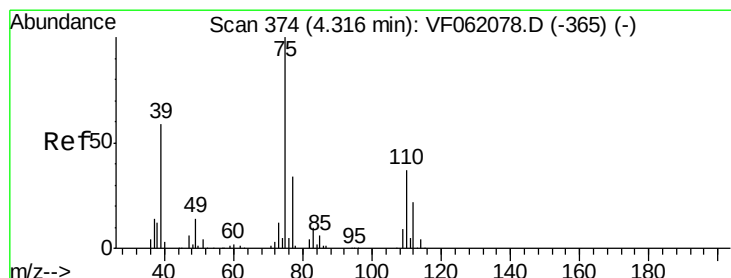
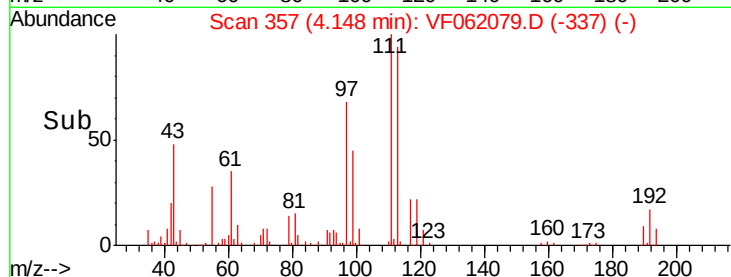
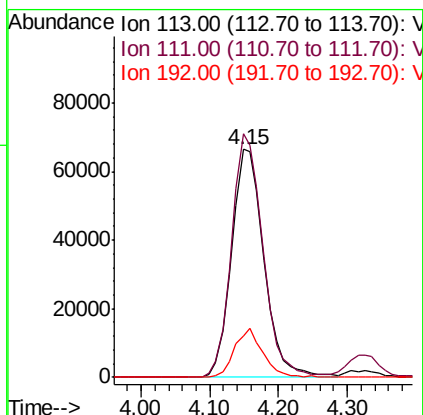
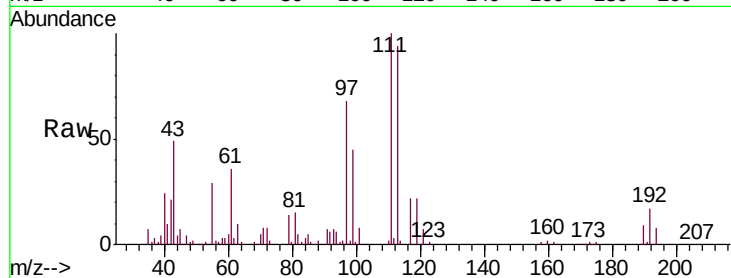




#35
 Dibromofluoromethane
 Concen: 75.547 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

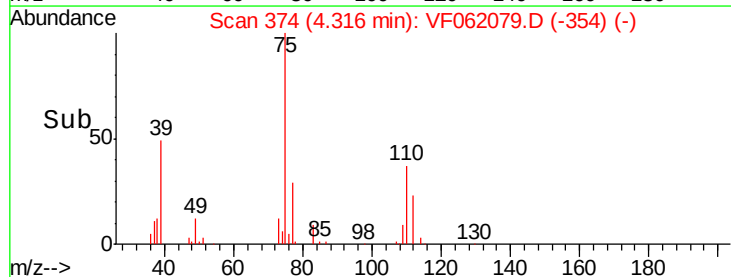
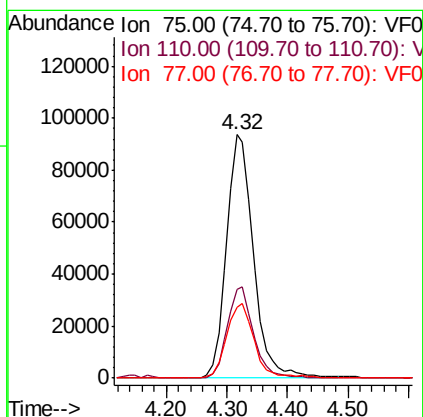
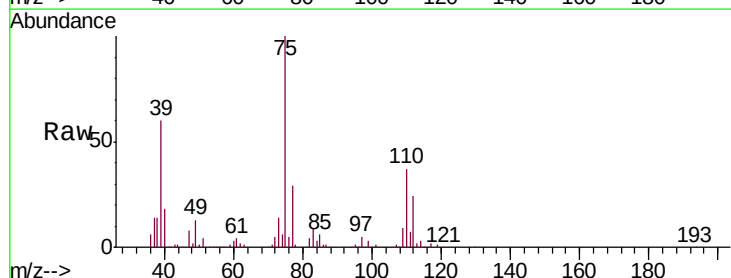
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

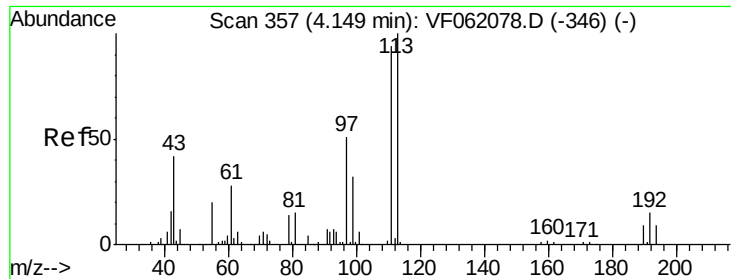
Tgt Ion: 113 Resp: 217230
 Ion Ratio Lower Upper
 113 100
 111 106.8 75.4 113.0
 192 18.4 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 71.671 ug/l
 RT: 4.32 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Tgt Ion: 75 Resp: 290183
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.5 55.5
 77 29.2 27.4 41.0

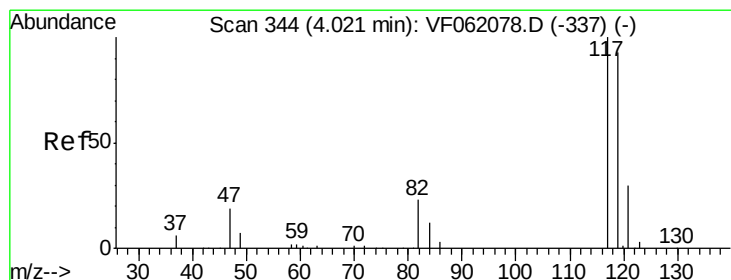
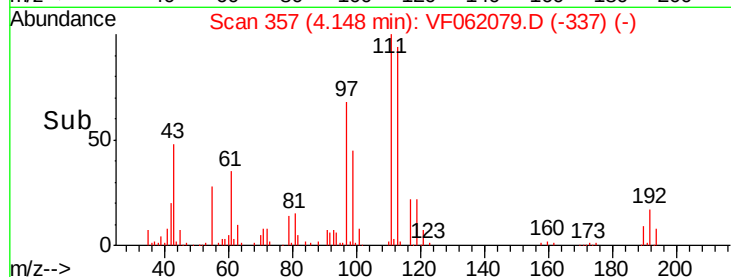
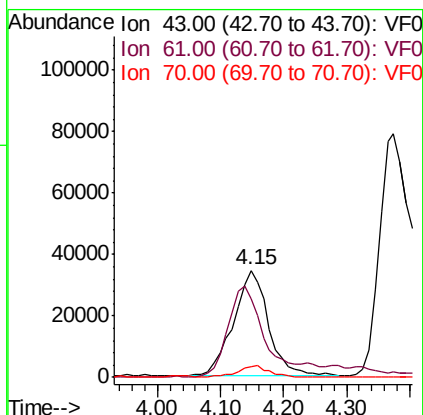
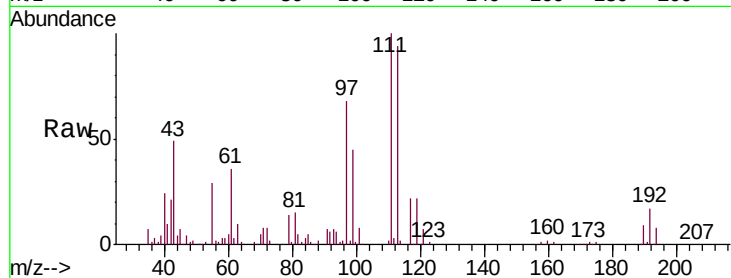




#37
Ethyl Acetate
Concen: 75.430 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

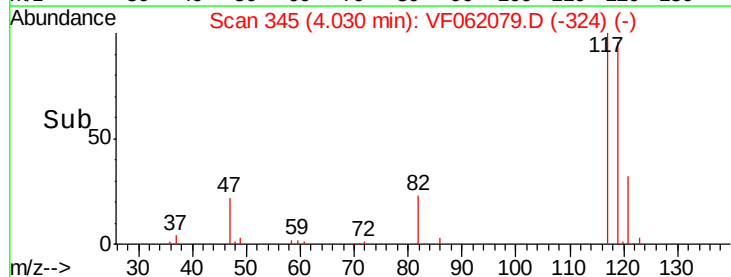
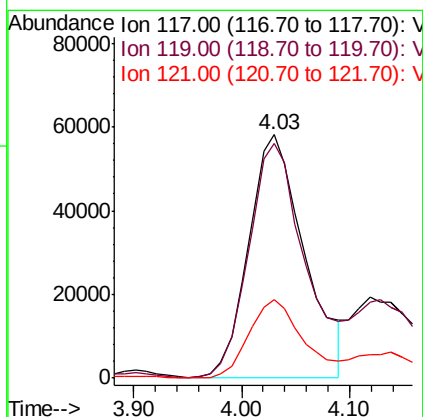
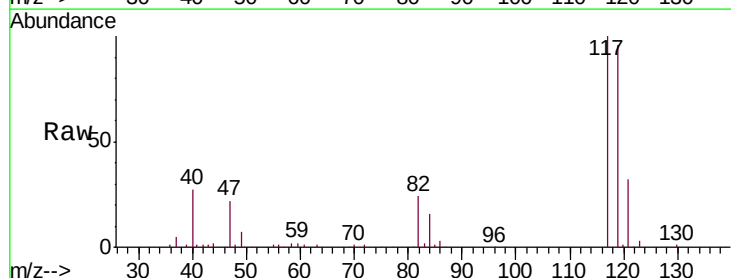
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

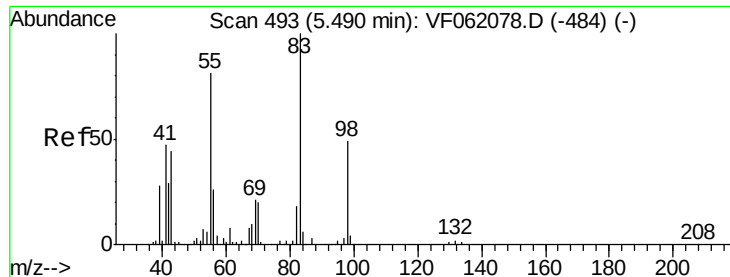
Tgt Ion: 43 Resp: 133468
Ion Ratio Lower Upper
43 100
61 73.1 53.6 80.4
70 10.4 9.0 13.6



#38
Carbon Tetrachloride
Concen: 75.630 ug/l
RT: 4.03 min Scan# 345
Delta R.T. 0.01 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

Tgt Ion: 117 Resp: 208704
Ion Ratio Lower Upper
117 100
119 96.3 74.7 112.1
121 32.3 23.6 35.4

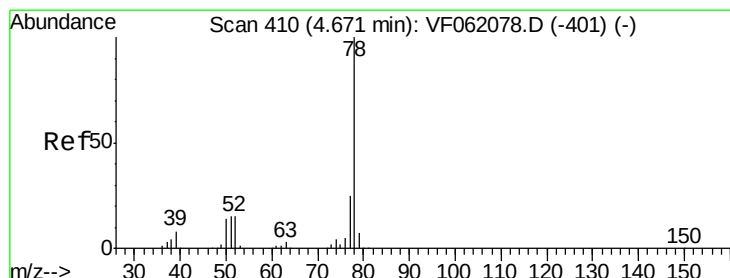
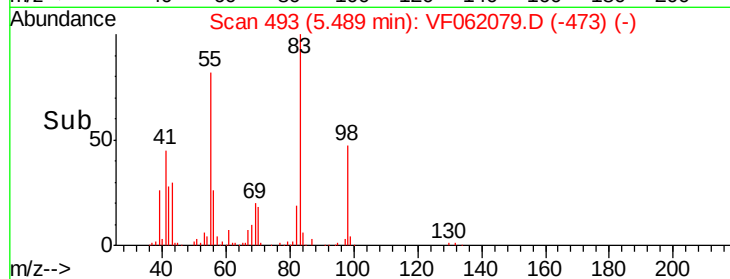
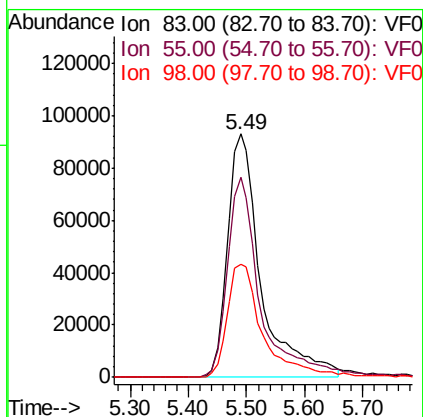
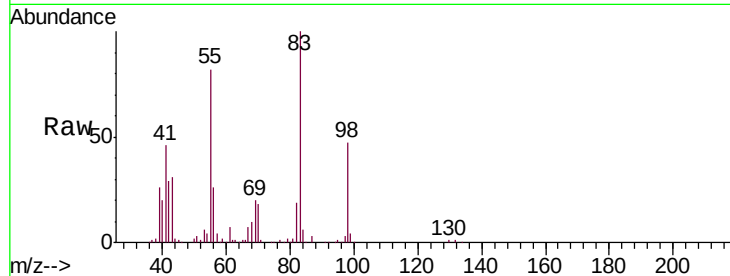




#39
Methylcyclohexane
Concen: 79.456 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

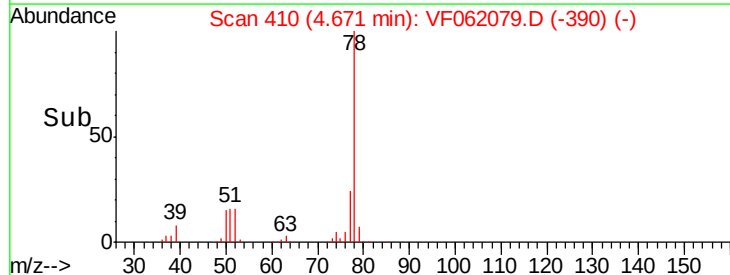
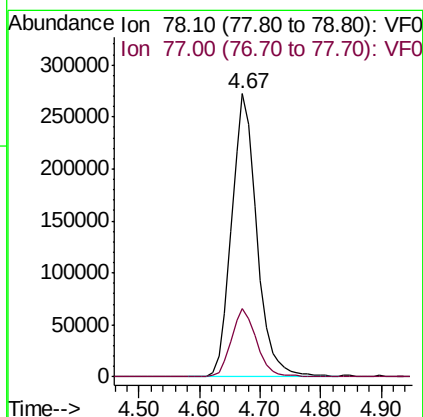
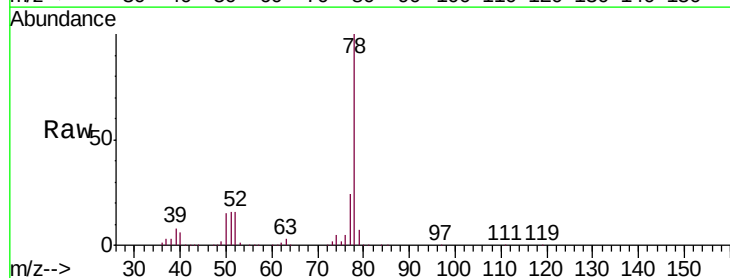
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

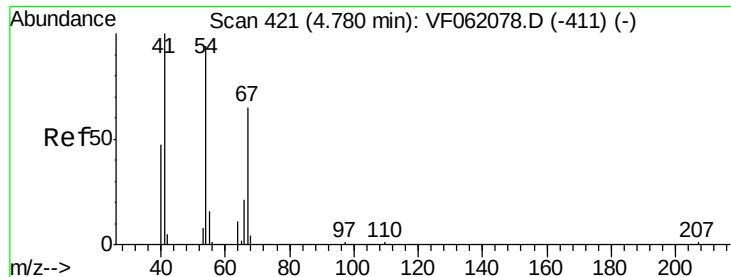
Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.1	64.5	96.7
98	46.6	39.1	58.7



#40
Benzene
Concen: 72.771 ug/l
RT: 4.67 min Scan# 410
Delta R.T. -0.00 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.8	29.6





#41

Methacrylonitrile

Concen: 74.227 ug/l

RT: 4.79 min Scan# 422

Delta R.T. 0.01 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 41 Resp: 69493

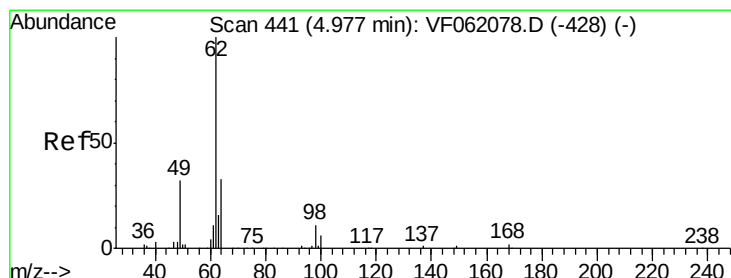
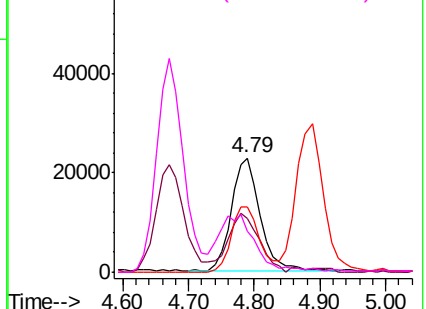
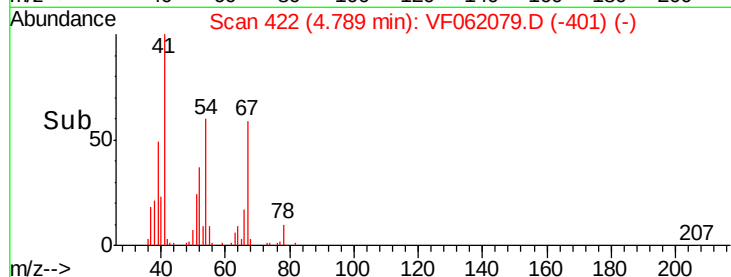
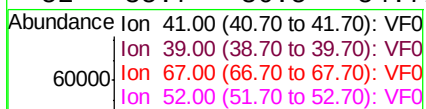
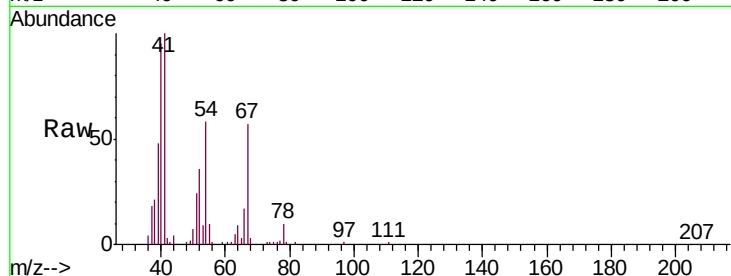
Ion Ratio Lower Upper

41 100

39 47.7 43.5 65.3

67 57.2 51.6 77.4

52 35.7 36.5 54.7#



#42

1,2-Dichloroethane

Concen: 73.323 ug/l

RT: 4.98 min Scan# 441

Delta R.T. -0.00 min

Lab File: VF062079.D

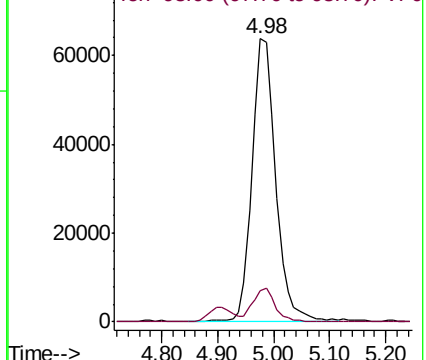
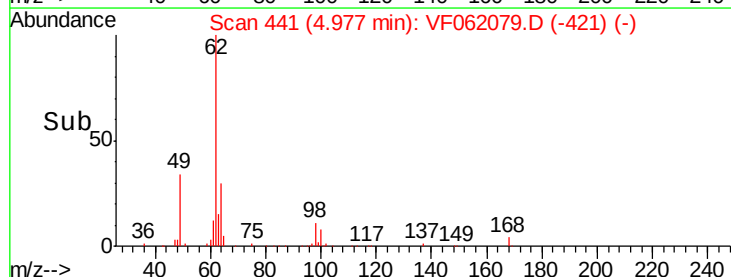
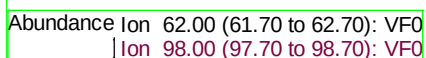
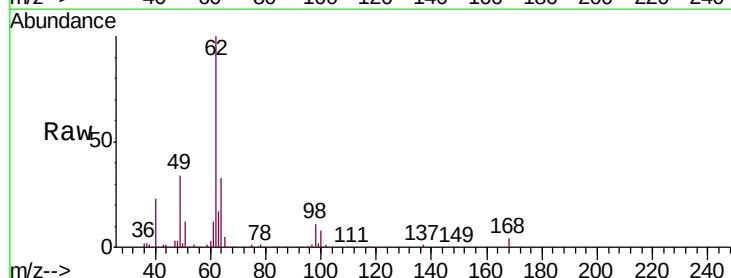
Acq: 22 Mar 2019 12:53

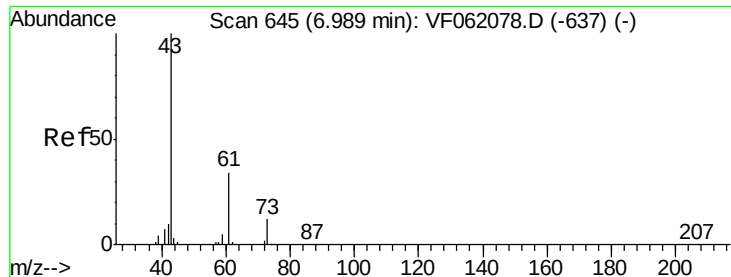
Tgt Ion: 62 Resp: 188198

Ion Ratio Lower Upper

62 100

98 11.1 0.0 23.2





#43

Isopropyl Acetate

Concen: 75.206 ug/l

RT: 6.99 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

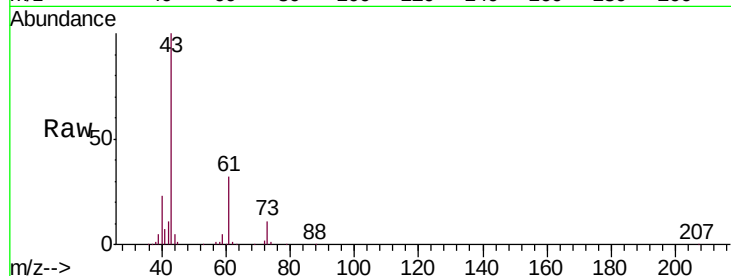
Tgt Ion: 43 Resp: 161158

Ion Ratio Lower Upper

43 100

61 32.0 27.0 40.4

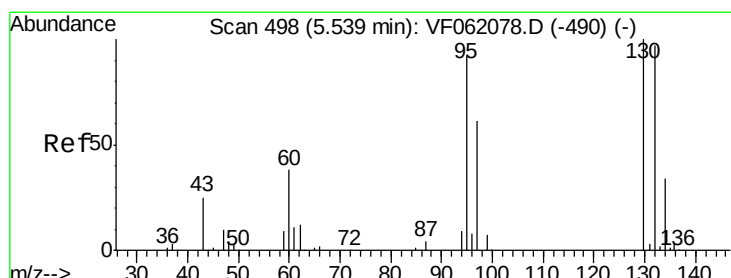
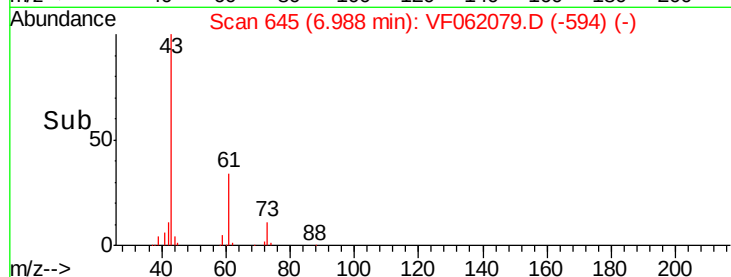
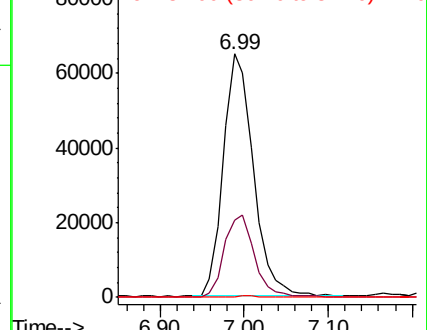
87 0.0 0.4 0.6#



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: 69.627 ug/l

RT: 5.54 min Scan# 498

Delta R.T. -0.00 min

Lab File: VF062079.D

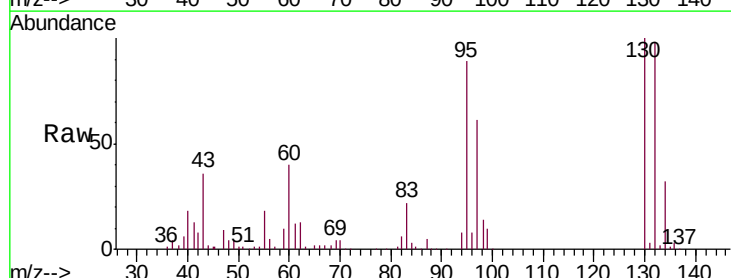
Acq: 22 Mar 2019 12:53

Tgt Ion: 130 Resp: 231053

Ion Ratio Lower Upper

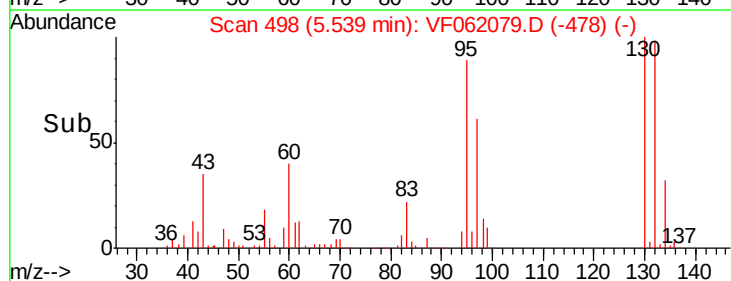
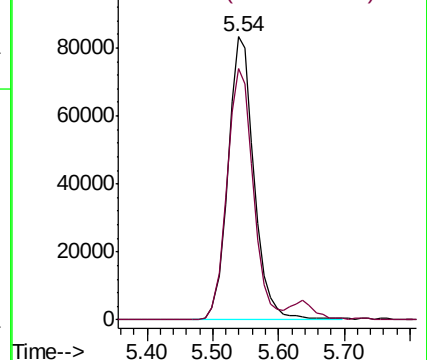
130 100

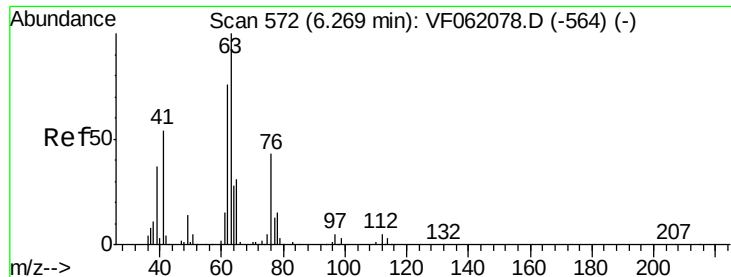
95 88.9 0.0 183.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

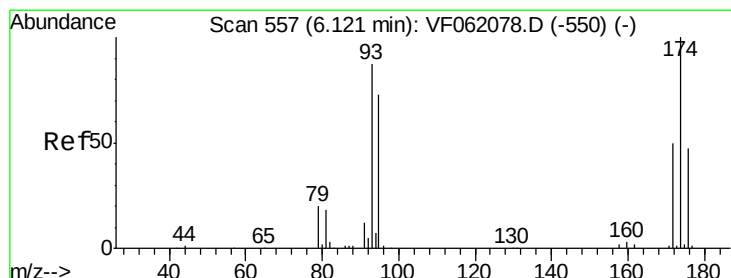
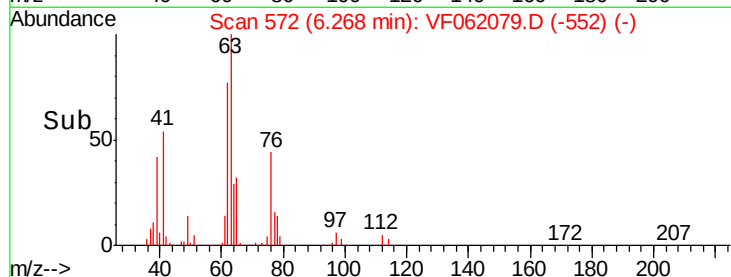
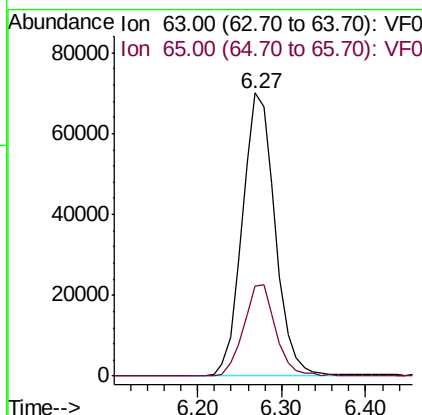
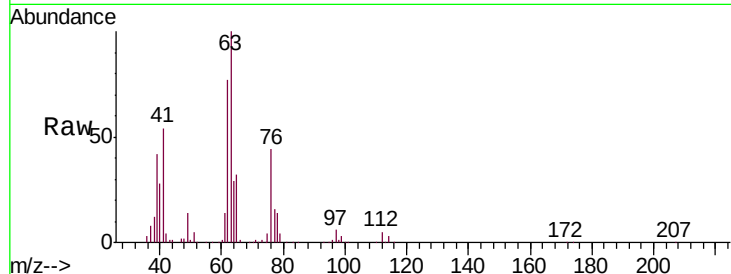




#45
 1,2-Dichloropropane
 Concen: 73.833 ug/l
 RT: 6.27 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

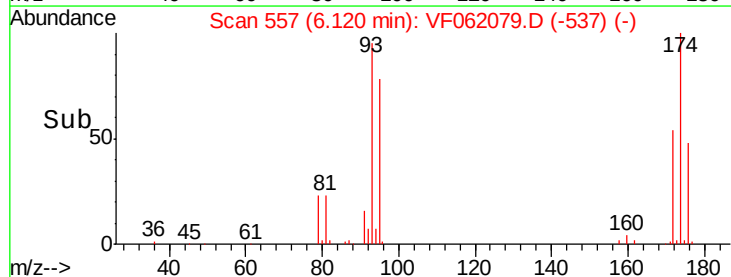
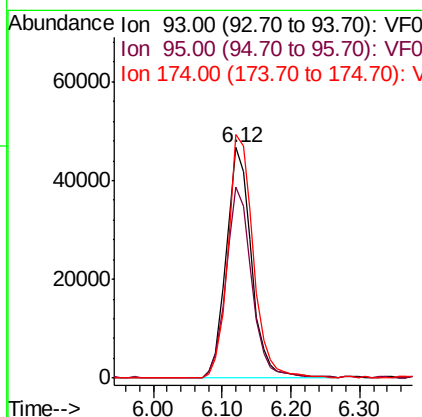
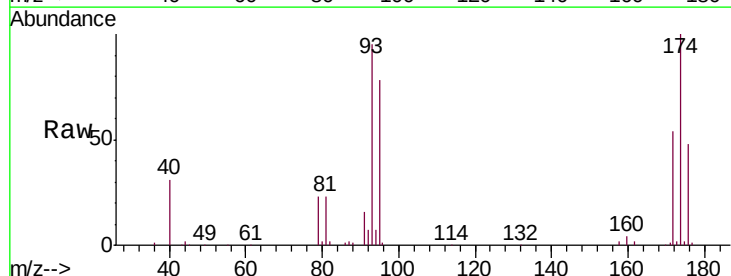
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

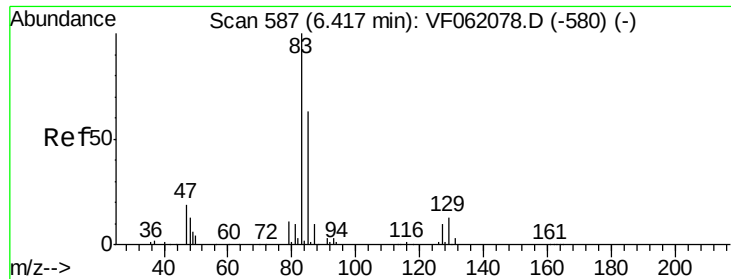
Tgt Ion: 63 Resp: 191139
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.9 37.3



#46
 Dibromomethane
 Concen: 74.964 ug/l
 RT: 6.12 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Tgt Ion: 93 Resp: 118658
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.4 101.2
 174 105.7 92.0 138.0





#47

Bromodichloromethane

Concen: 74.871 ug/l

RT: 6.42 min Scan# 587

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

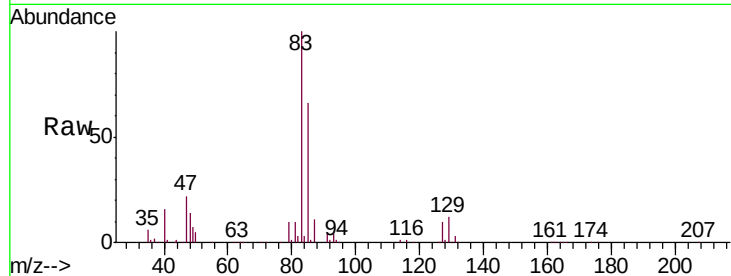
Tgt Ion: 83 Resp: 262501

Ion Ratio Lower Upper

83 100

85 66.2 50.7 76.1

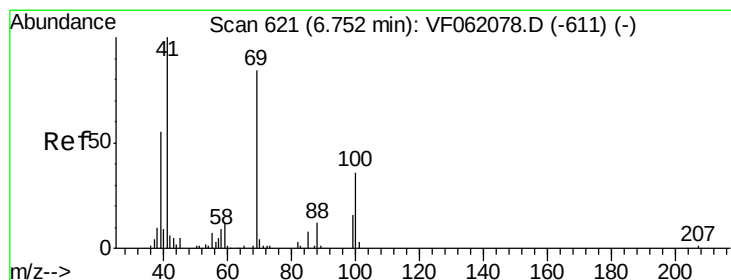
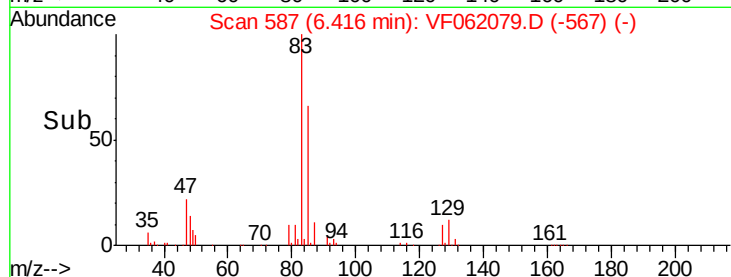
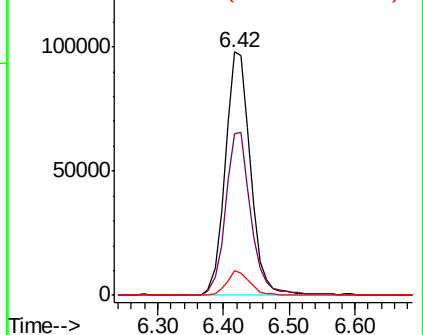
127 9.9 7.8 11.6



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: 75.845 ug/l

RT: 6.75 min Scan# 621

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

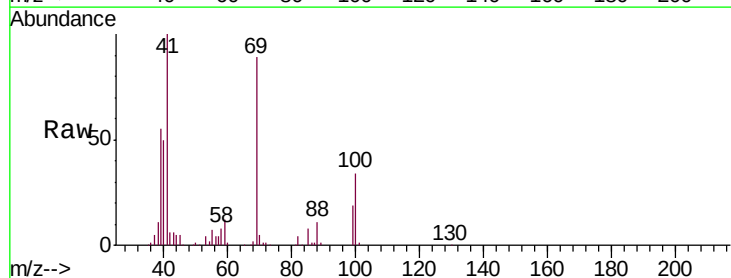
Tgt Ion: 41 Resp: 92539

Ion Ratio Lower Upper

41 100

69 89.0 66.6 100.0

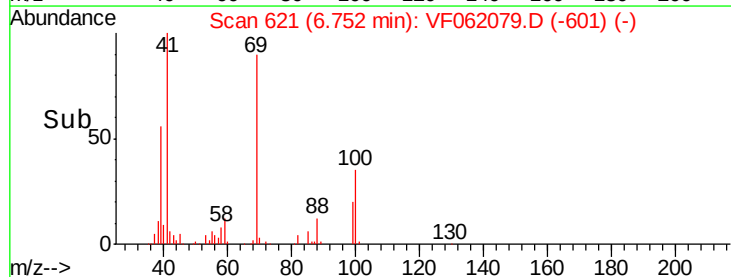
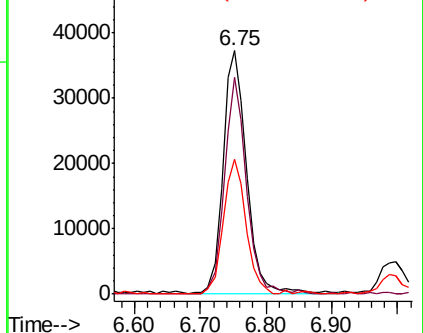
39 55.2 43.6 65.4

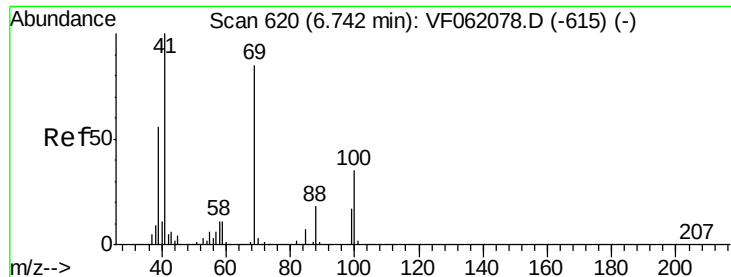


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1424.164 ug/l

RT: 6.74 min Scan# 620

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

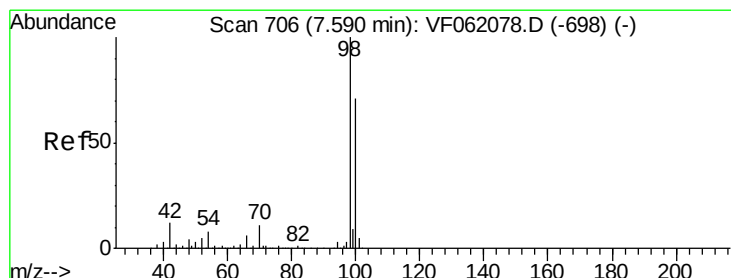
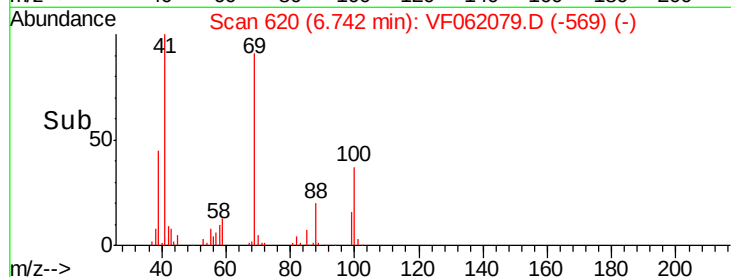
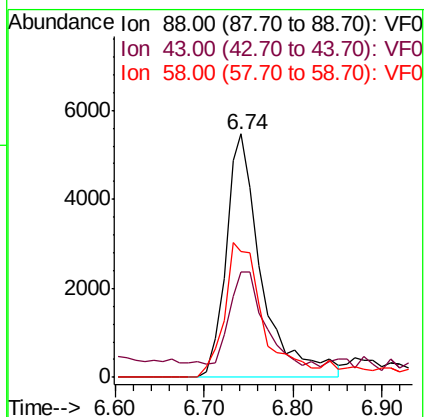
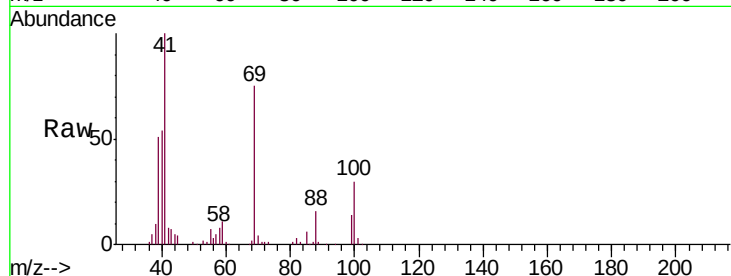
Tgt Ion: 88 Resp: 15247

Ion Ratio Lower Upper

88 100

43 43.5 35.0 52.4

58 51.6 49.9 74.9



#50

Toluene-d8

Concen: 74.915 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.00 min

Lab File: VF062079.D

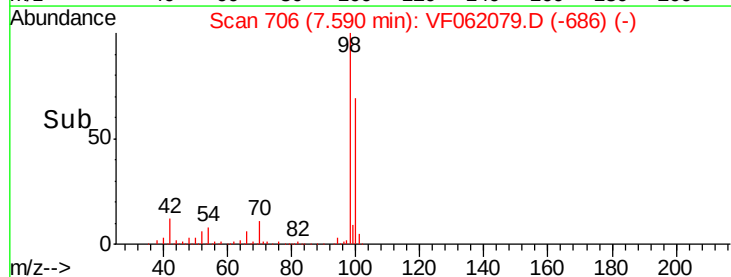
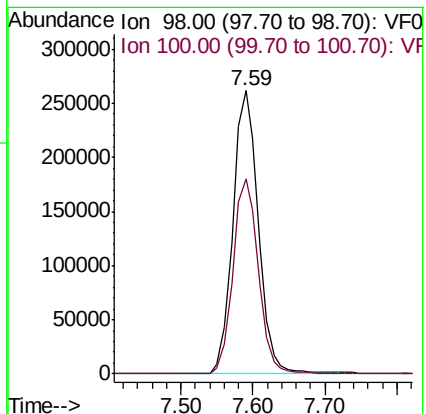
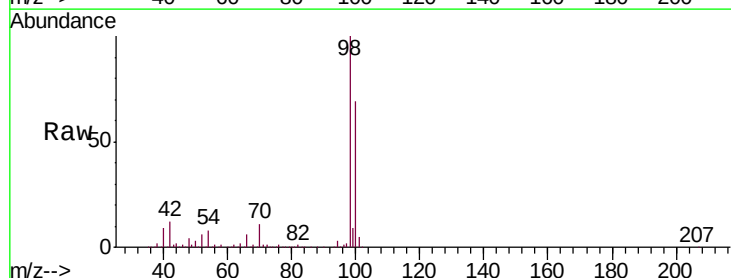
Acq: 22 Mar 2019 12:53

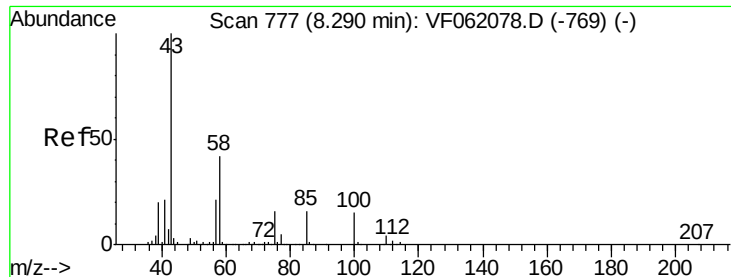
Tgt Ion: 98 Resp: 643010

Ion Ratio Lower Upper

98 100

100 68.7 57.0 85.6





#51

4-Methyl-2-Pentanone

Concen: 361.803 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

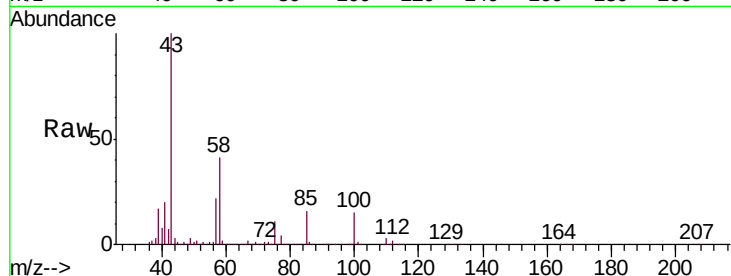
VSTDIC075

Tgt Ion: 43 Resp: 518917

Ion Ratio Lower Upper

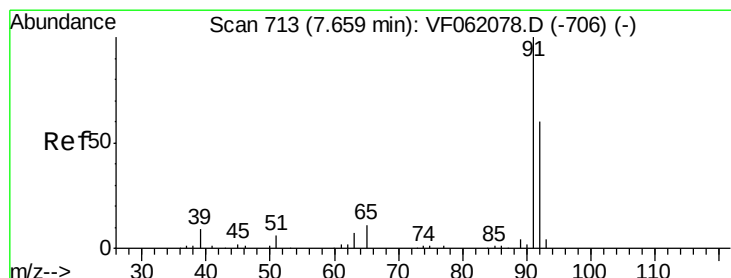
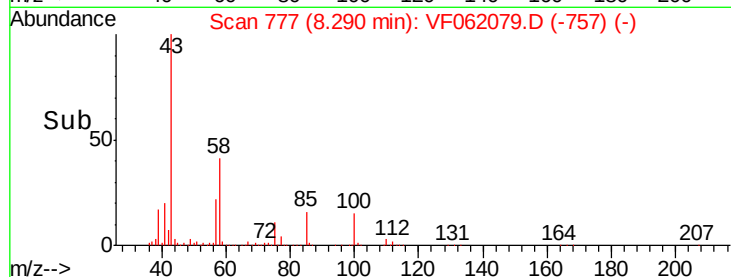
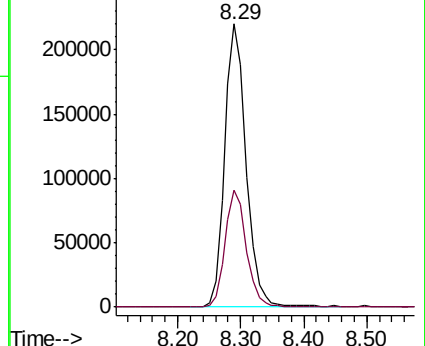
43 100

58 41.4 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 73.685 ug/l

RT: 7.66 min Scan# 713

Delta R.T. -0.00 min

Lab File: VF062079.D

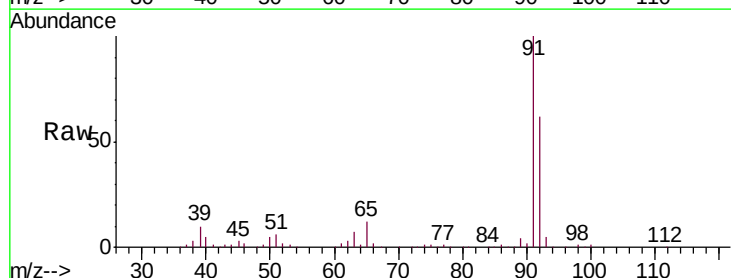
Acq: 22 Mar 2019 12:53

Tgt Ion: 92 Resp: 463234

Ion Ratio Lower Upper

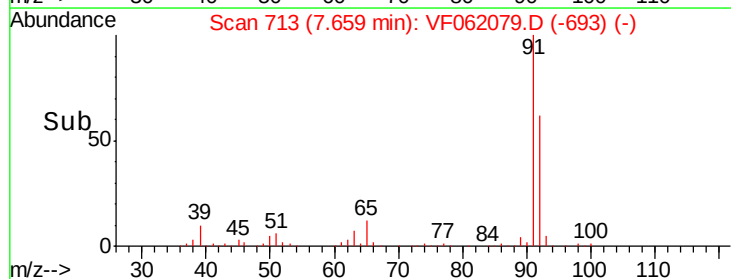
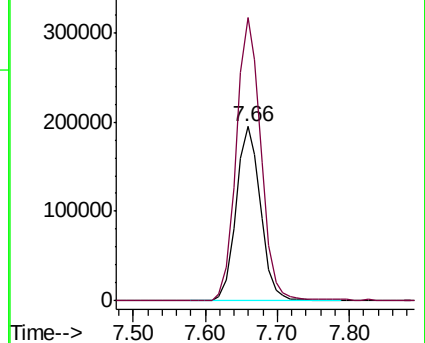
92 100

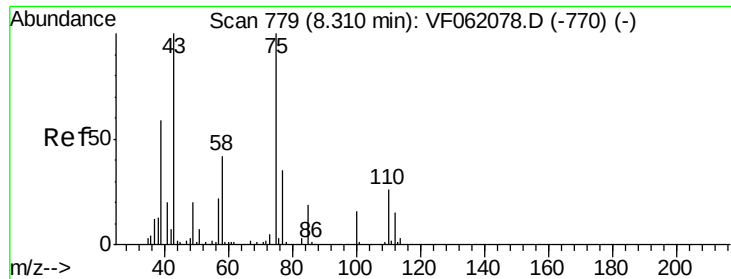
91 162.2 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

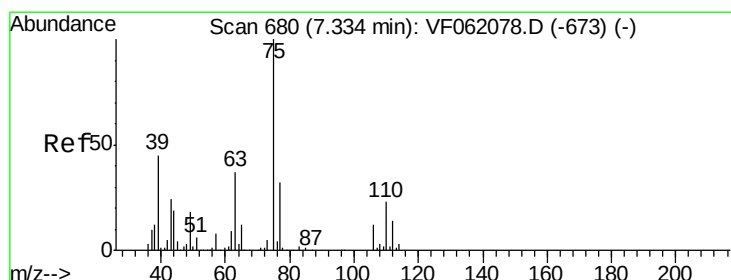
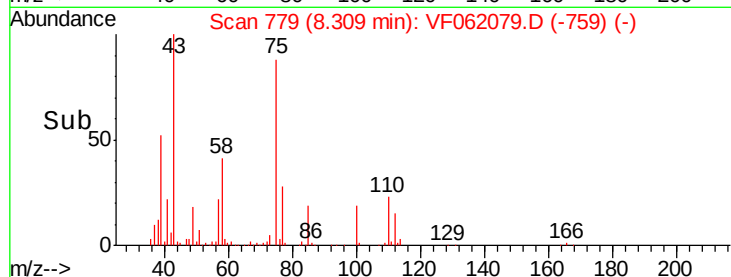
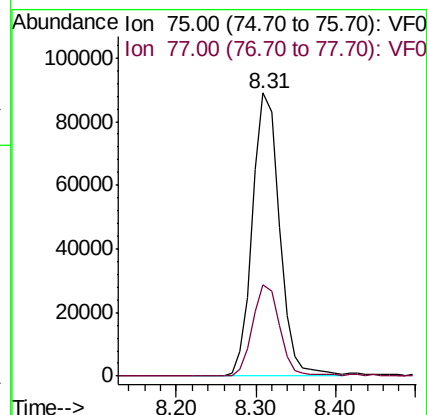
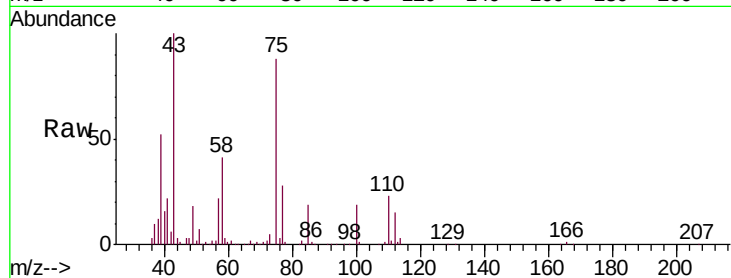




#53
 t-1,3-Dichloropropene
 Concen: 75.644 ug/l
 RT: 8.31 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

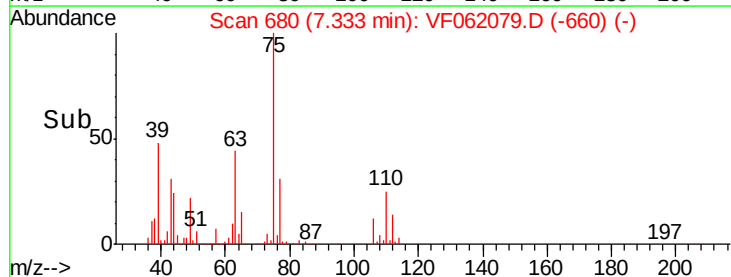
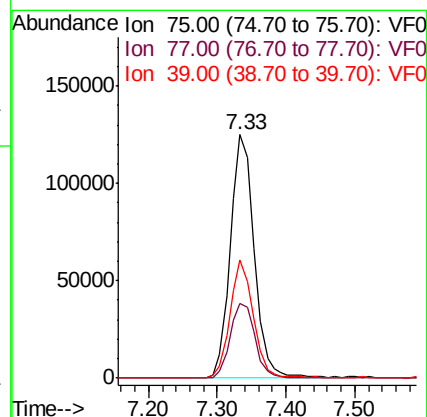
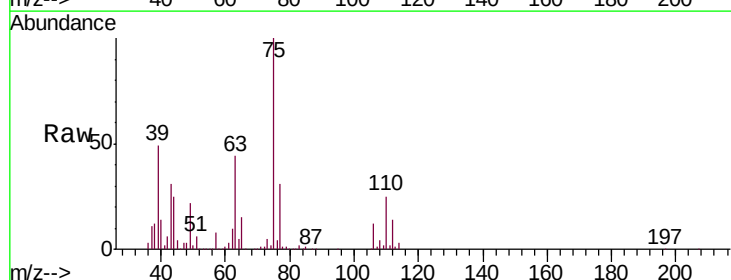
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

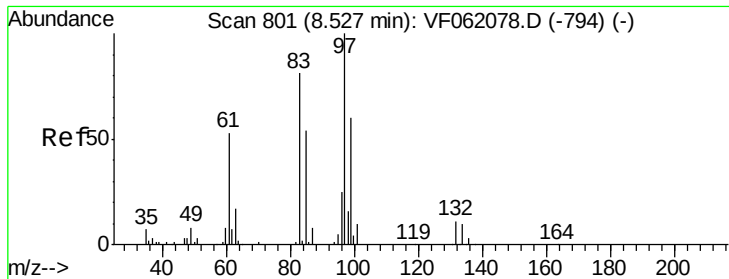
Tgt Ion: 75 Resp: 208197
 Ion Ratio Lower Upper
 75 100
 77 32.3 28.0 42.0



#54
 cis-1,3-Dichloropropene
 Concen: 76.396 ug/l
 RT: 7.33 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Tgt Ion: 75 Resp: 300855
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.8 38.6
 39 48.7 35.9 53.9





#55

1,1,2-Trichloroethane

Concen: 74.942 ug/l

RT: 8.53 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 133825

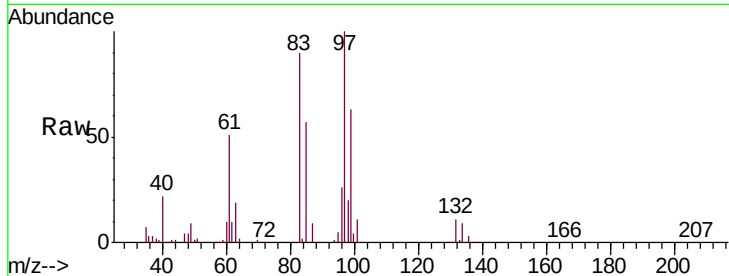
Ion Ratio Lower Upper

97 100

83 89.7 64.6 97.0

85 56.6 43.6 65.4

99 63.0 48.2 72.2

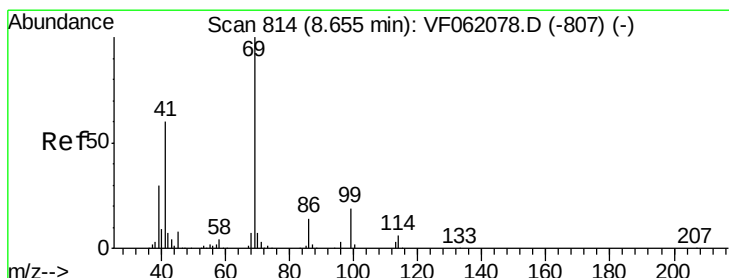
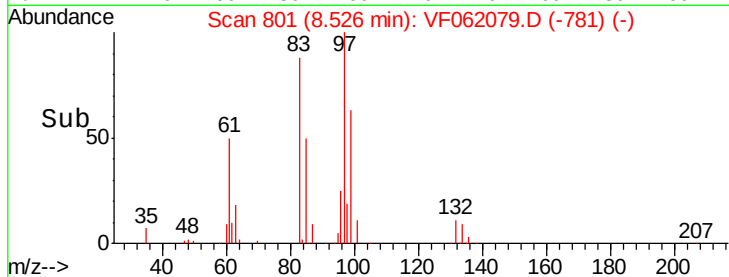
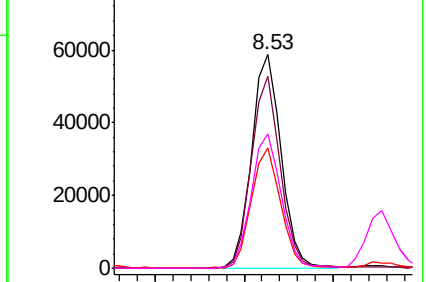


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 75.196 ug/l

RT: 8.65 min Scan# 814

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

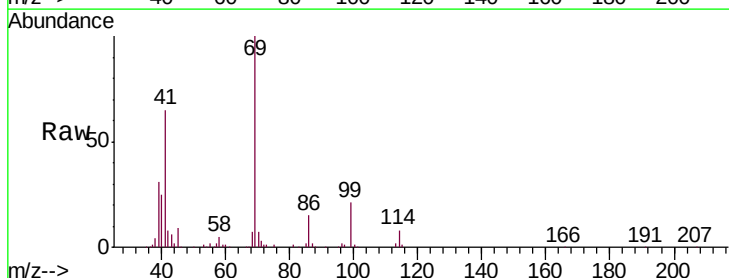
Tgt Ion: 69 Resp: 160142

Ion Ratio Lower Upper

69 100

41 65.3 48.2 72.2

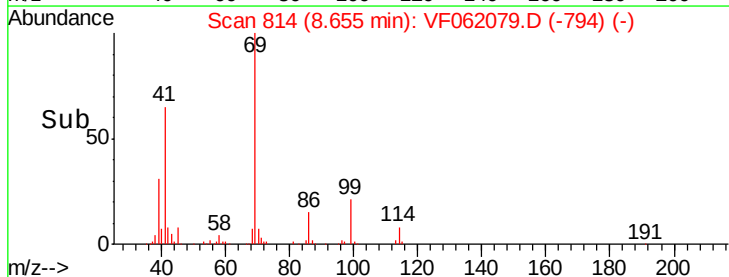
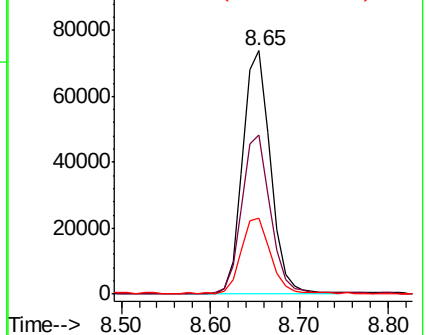
39 31.2 24.0 36.0

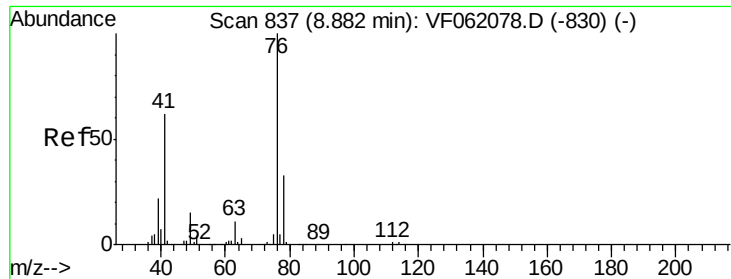


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

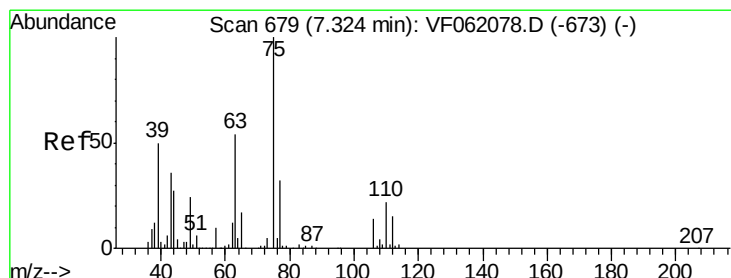
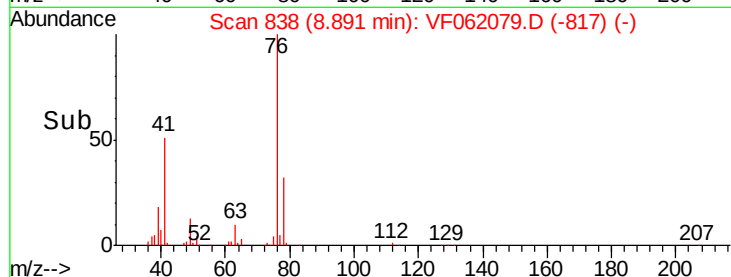
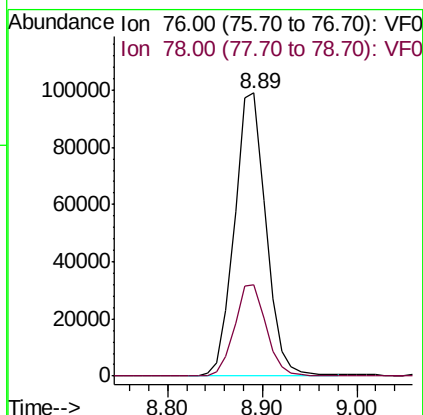
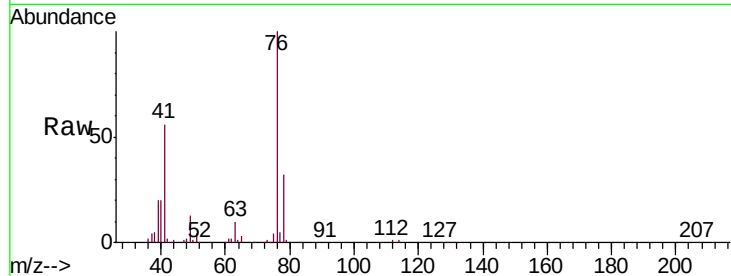




#57
 1,3-Dichloropropane
 Concen: 77.397 ug/l
 RT: 8.89 min Scan# 838
 Delta R.T. 0.01 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

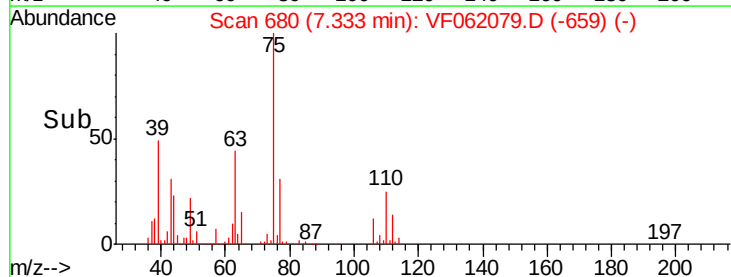
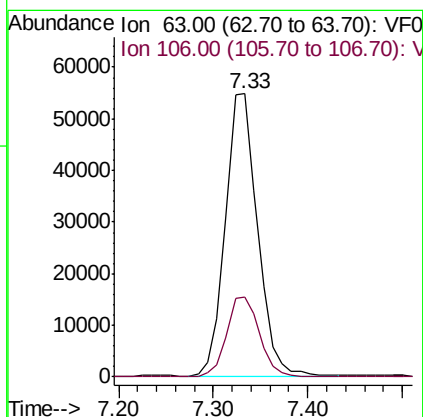
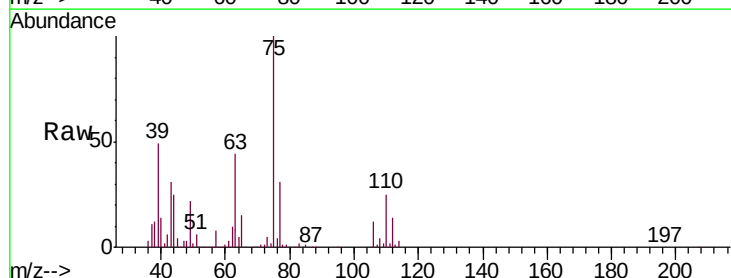
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

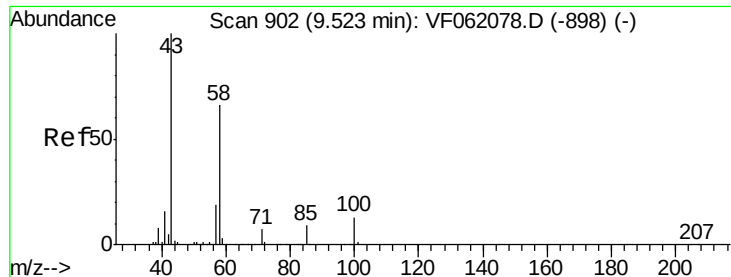
Tgt Ion: 76 Resp: 229385
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 404.204 ug/l
 RT: 7.33 min Scan# 680
 Delta R.T. 0.01 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Tgt Ion: 63 Resp: 130623
 Ion Ratio Lower Upper
 63 100
 106 28.2 21.5 32.3

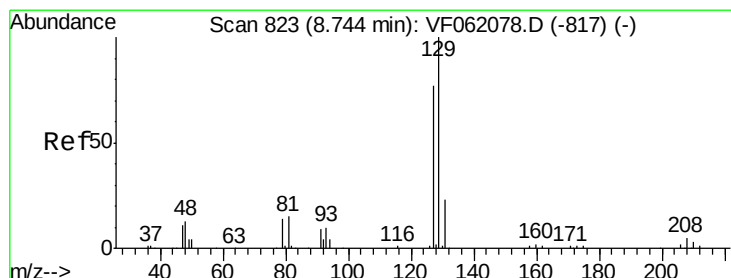
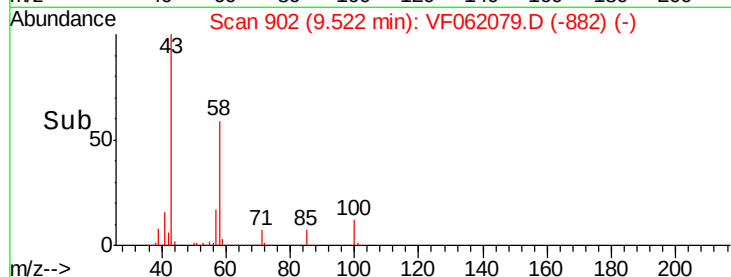
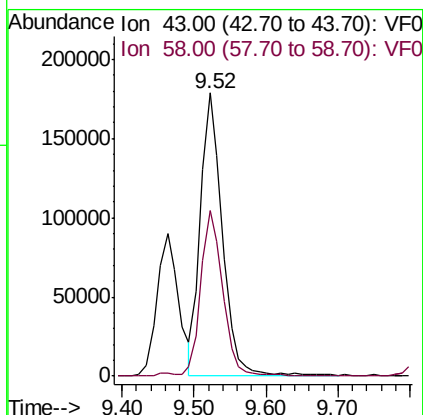
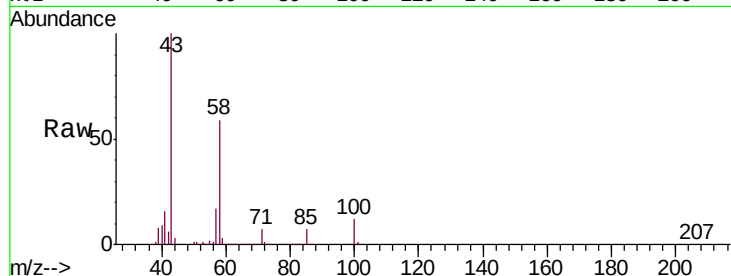




#59
2-Hexanone
Concen: 355.907 ug/l
RT: 9.52 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

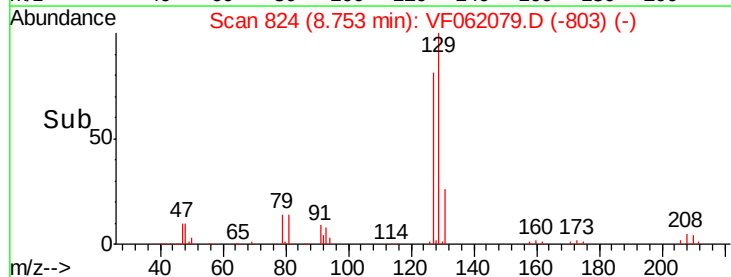
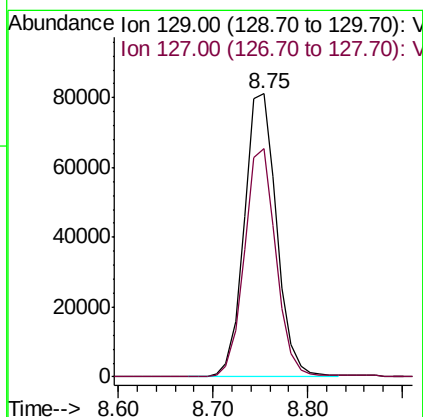
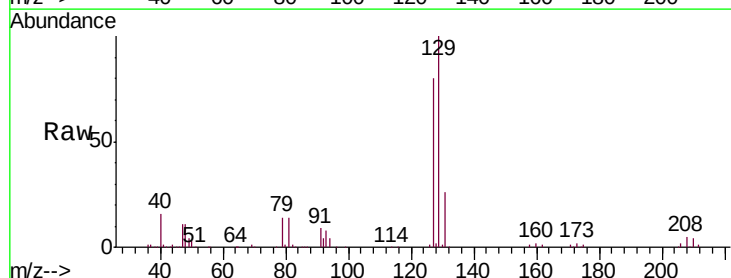
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

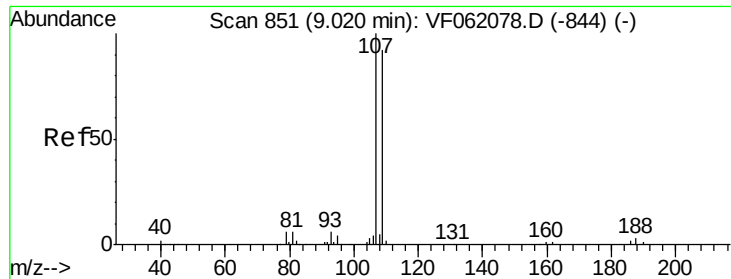
Tgt Ion: 43 Resp: 374121
Ion Ratio Lower Upper
43 100
58 58.6 28.8 86.4



#60
Dibromochloromethane
Concen: 77.803 ug/l
RT: 8.75 min Scan# 824
Delta R.T. 0.01 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

Tgt Ion: 129 Resp: 193142
Ion Ratio Lower Upper
129 100
127 80.5 38.7 116.1

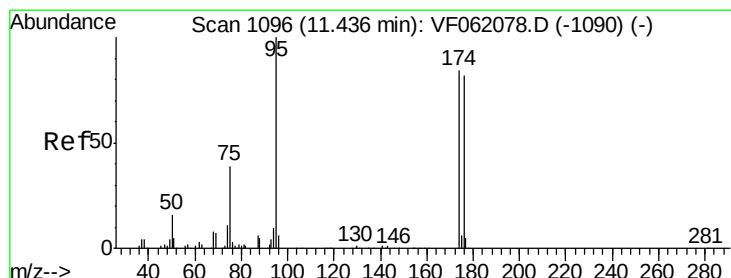
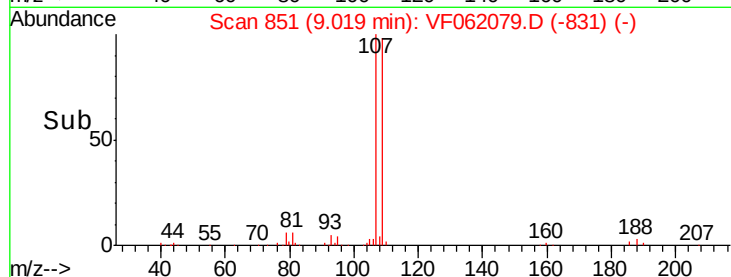
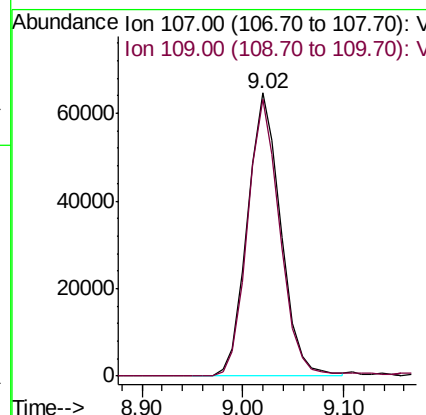
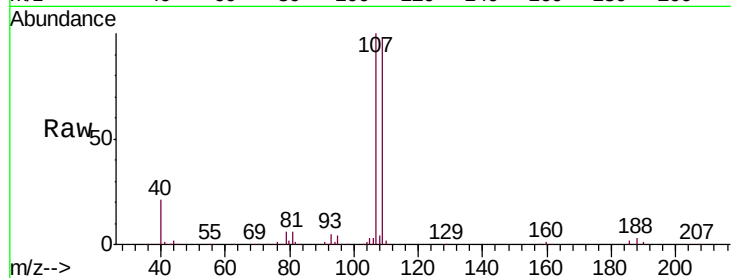




#61
 1,2-Dibromoethane
 Concen: 78.157 ug/l
 RT: 9.02 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

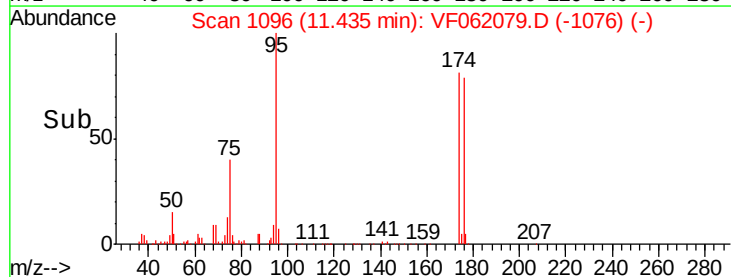
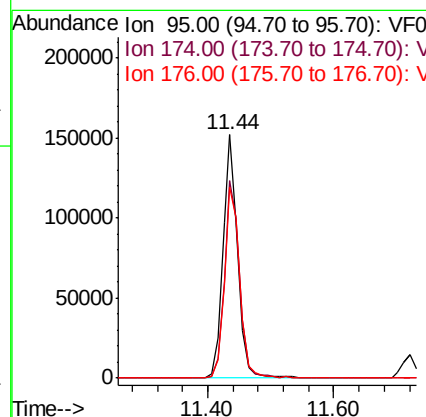
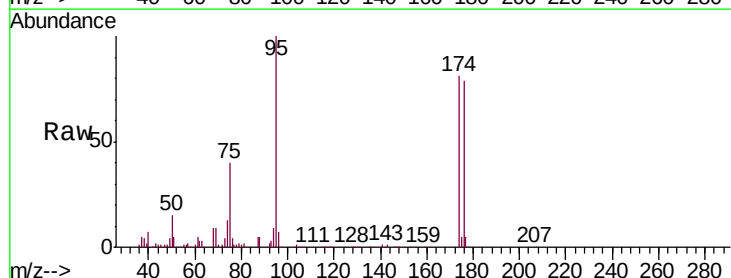
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

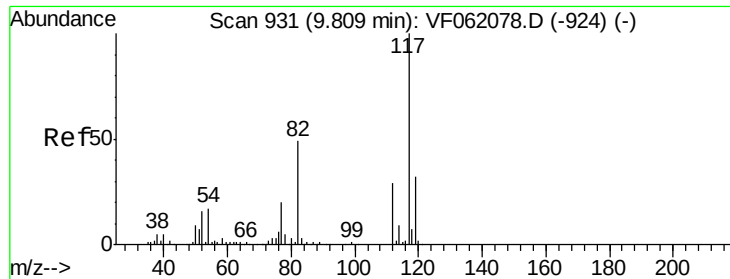
Tgt Ion: 107 Resp: 148901
 Ion Ratio Lower Upper
 107 100
 109 98.0 73.4 110.0



#62
 4-Bromofluorobenzene
 Concen: 75.158 ug/l
 RT: 11.44 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Tgt Ion: 95 Resp: 249043
 Ion Ratio Lower Upper
 95 100
 174 80.9 0.0 168.2
 176 78.5 0.0 164.2

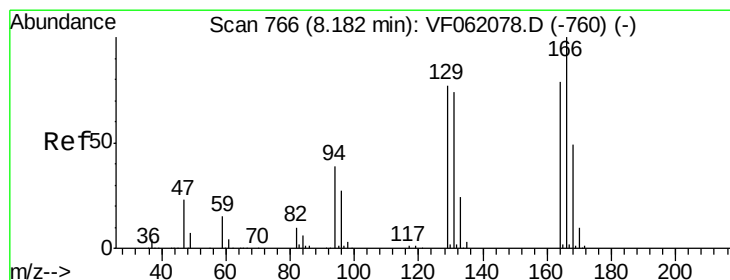
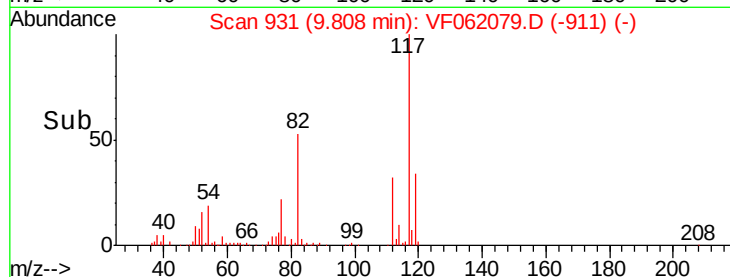
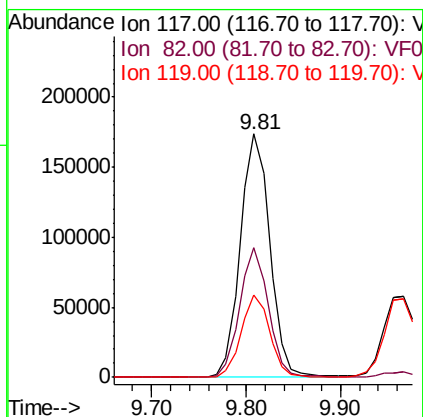
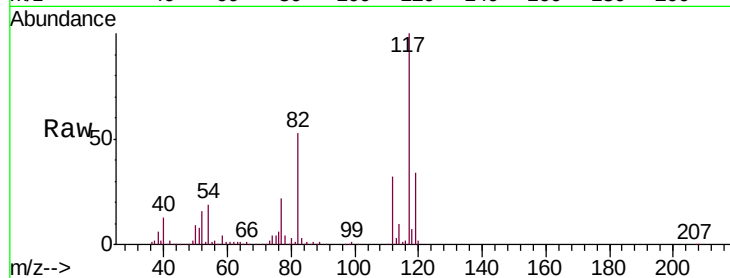




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

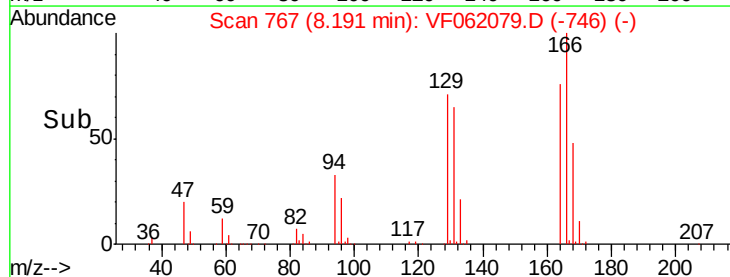
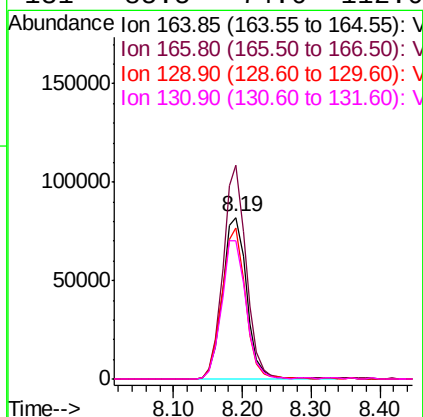
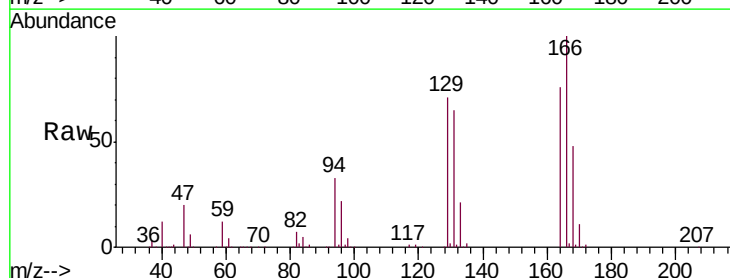
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

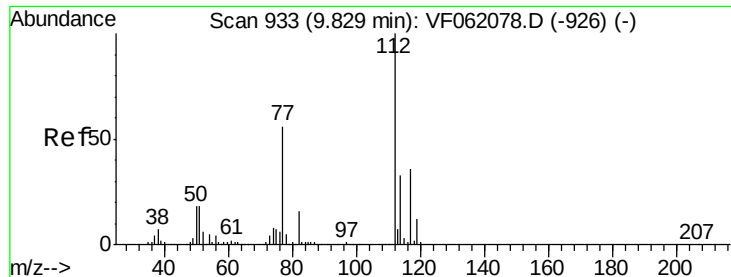
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	39.2	58.8
119	34.0	25.4	38.2



#64
Tetrachloroethene
Concen: 68.411 ug/l
RT: 8.19 min Scan# 767
Delta R.T. 0.01 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.3	100.9	151.3
129	93.2	77.9	116.9
131	85.5	74.6	112.0

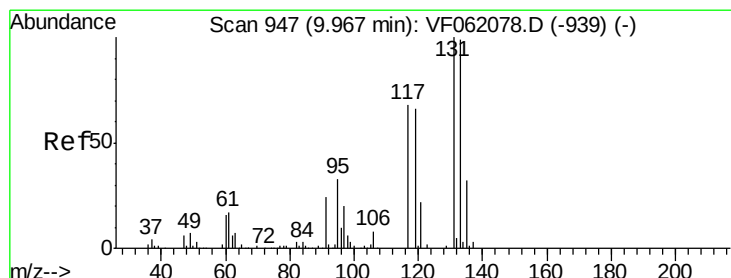
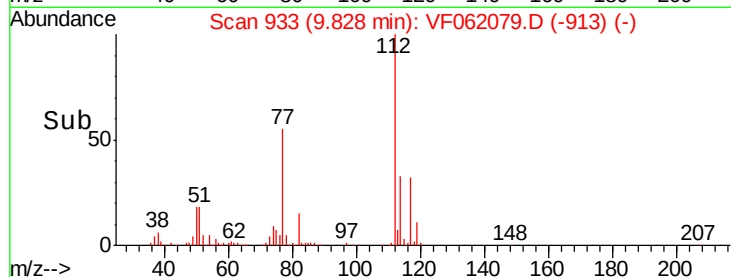
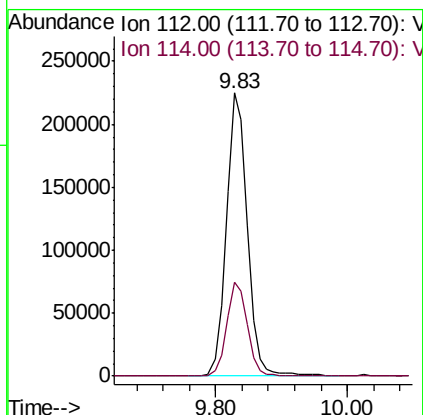
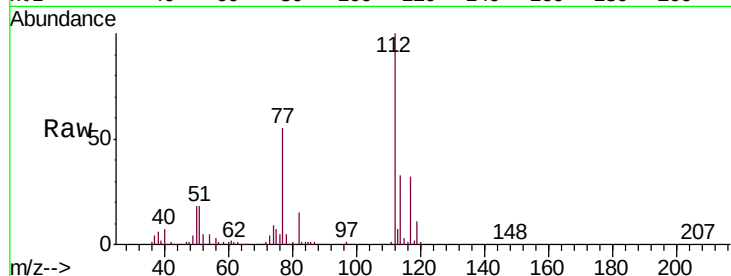




#65
Chlorobenzene
Concen: 70.894 ug/l
RT: 9.83 min Scan# 933
Delta R.T. -0.00 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

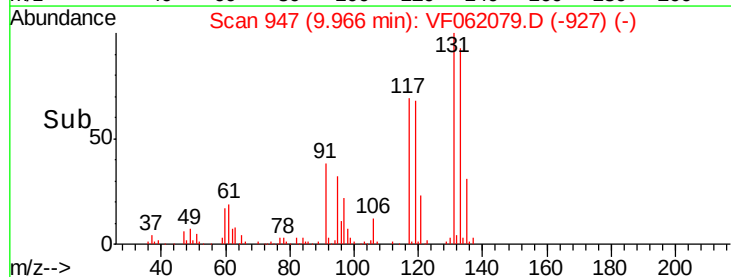
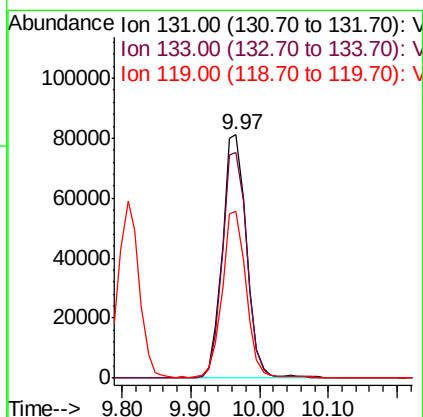
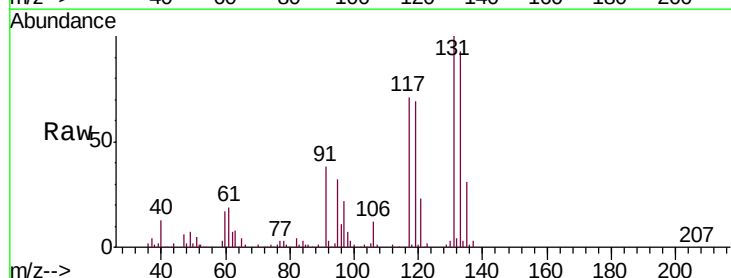
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

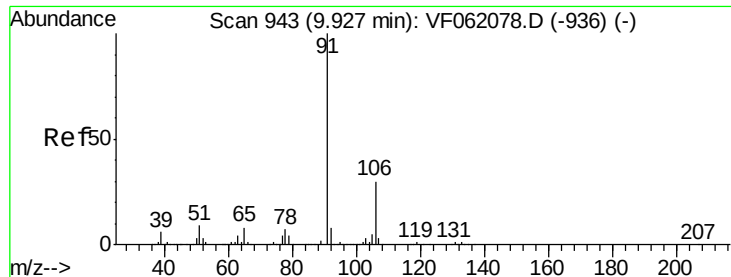
Tgt Ion:112 Resp: 501283
Ion Ratio Lower Upper
112 100
114 33.1 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 69.753 ug/l
RT: 9.97 min Scan# 947
Delta R.T. -0.00 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

Tgt Ion:131 Resp: 198116
Ion Ratio Lower Upper
131 100
133 92.5 49.3 147.8
119 68.6 33.5 100.4

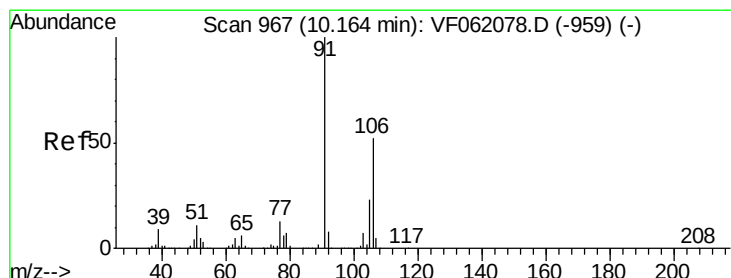
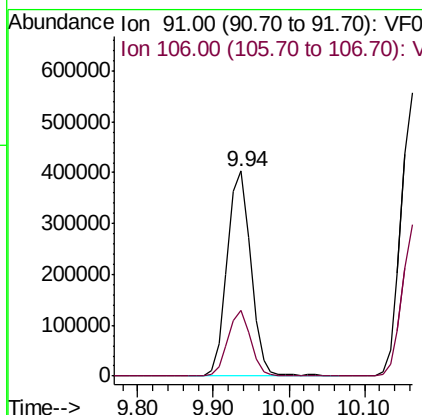
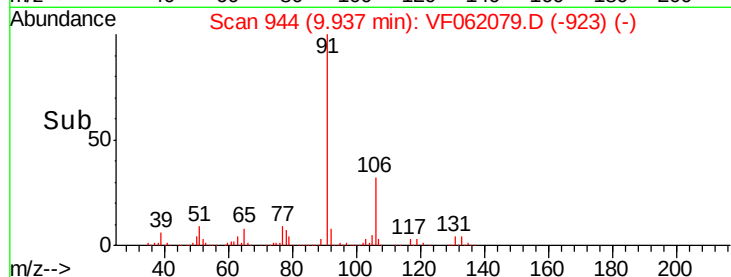
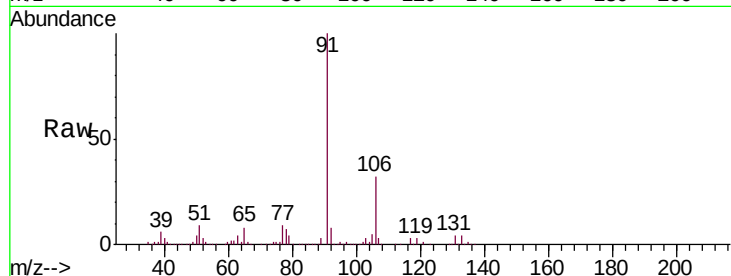




#67
Ethyl Benzene
Concen: 71.427 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.01 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

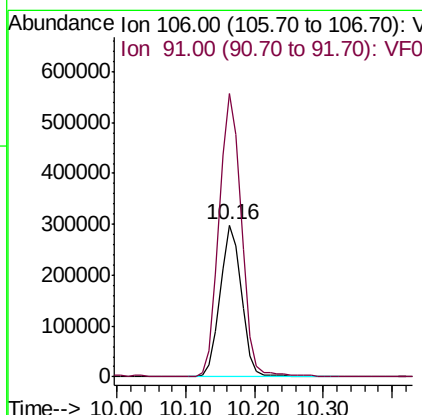
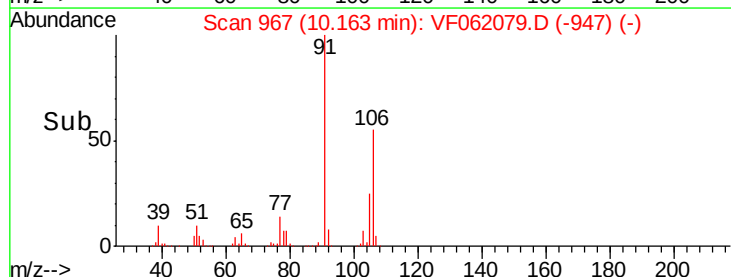
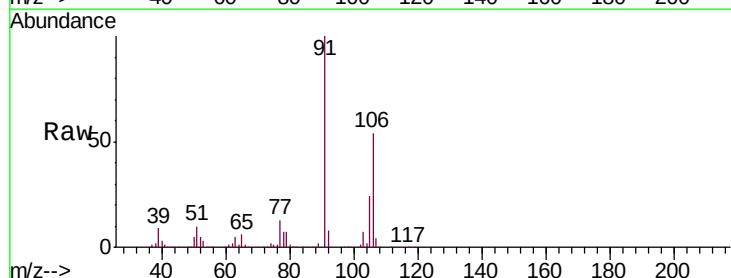
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

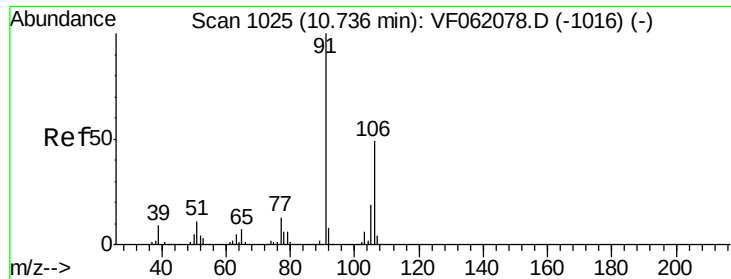
Tgt Ion: 91 Resp: 878328
Ion Ratio Lower Upper
91 100
106 32.0 24.0 36.0



#68
m/p-Xylenes
Concen: 140.514 ug/l
RT: 10.16 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

Tgt Ion: 106 Resp: 645812
Ion Ratio Lower Upper
106 100
91 186.2 154.4 231.6

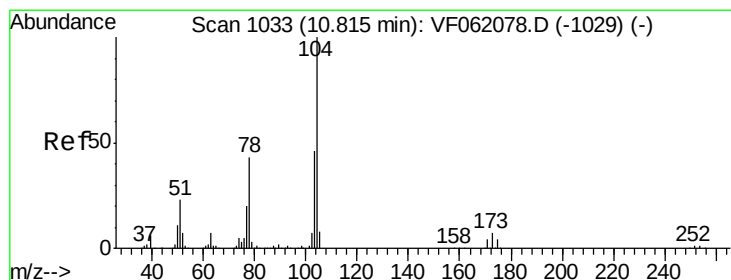
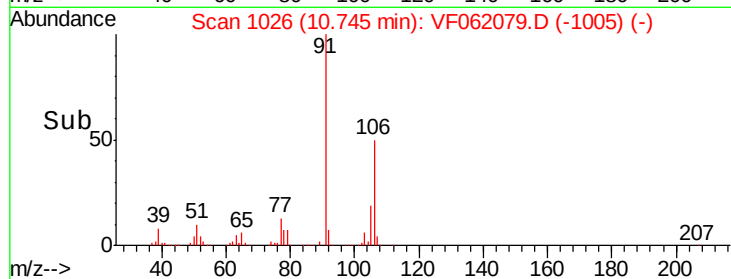
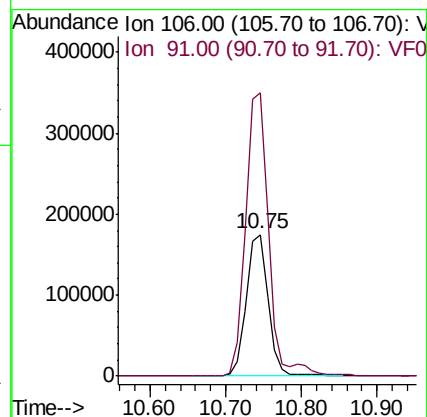
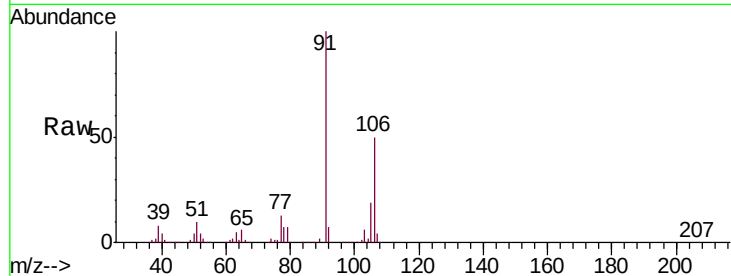




#69
o-Xylene
Concen: 72.522 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

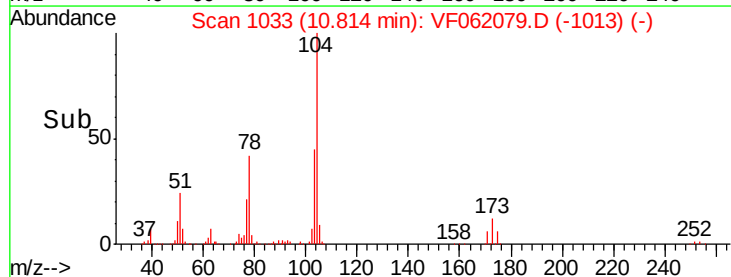
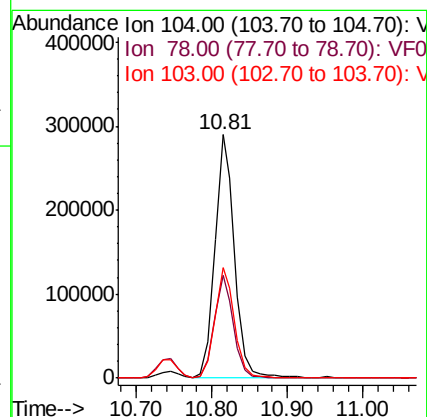
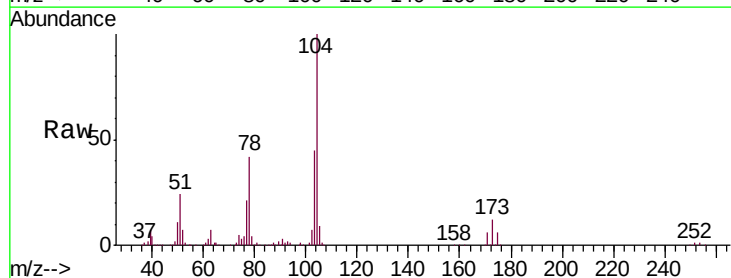
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

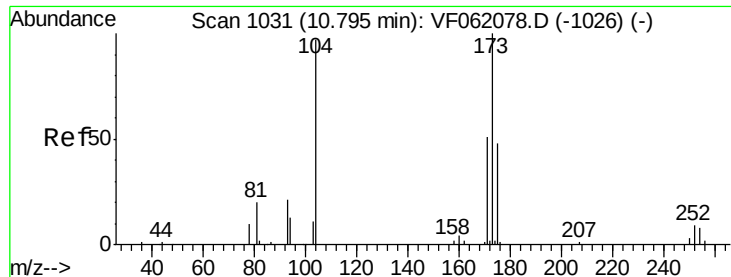
Tgt Ion:106 Resp: 349101
Ion Ratio Lower Upper
106 100
91 200.1 102.6 307.8



#70
Styrene
Concen: 71.936 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VF062079.D
Acq: 22 Mar 2019 12:53

Tgt Ion:104 Resp: 524663
Ion Ratio Lower Upper
104 100
78 42.1 34.3 51.5
103 45.4 36.9 55.3





#71

Bromoform

Concen: 72.547 ug/l

RT: 10.80 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

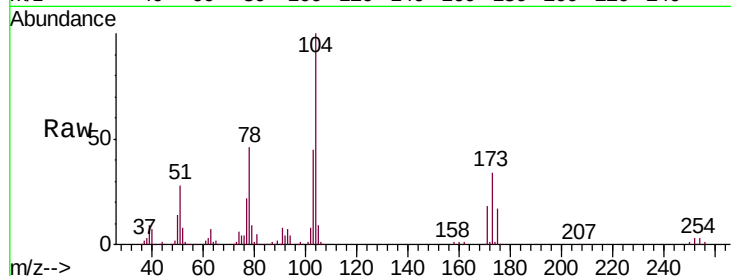
Tgt Ion:173 Resp: 105394

Ion Ratio Lower Upper

173 100

175 50.1 24.1 72.4

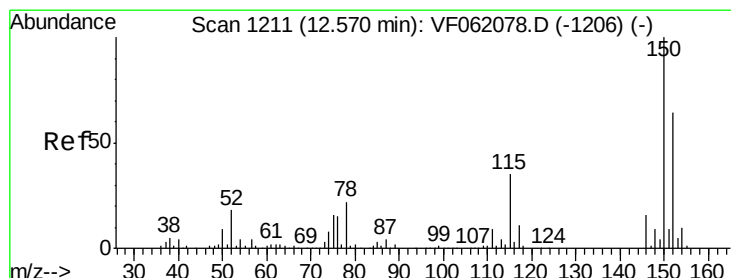
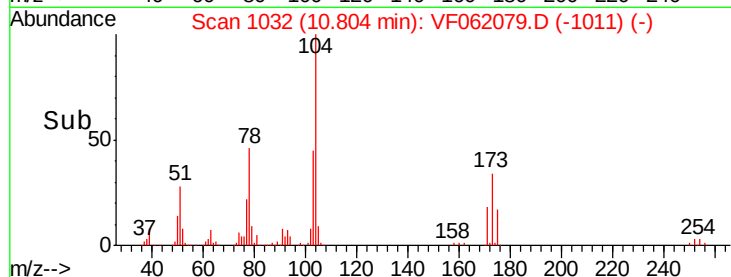
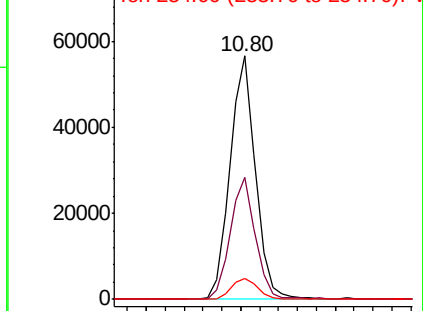
254 8.6 6.2 9.4



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: 12.57 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

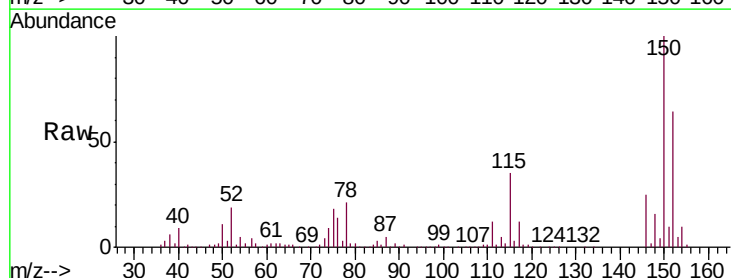
Tgt Ion:152 Resp: 196489

Ion Ratio Lower Upper

152 100

115 54.9 27.7 83.1

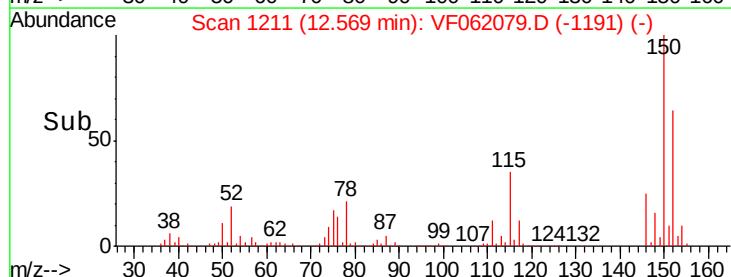
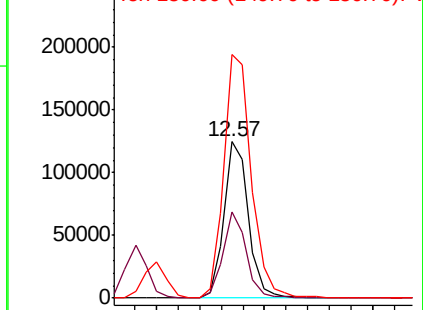
150 155.7 0.0 313.2

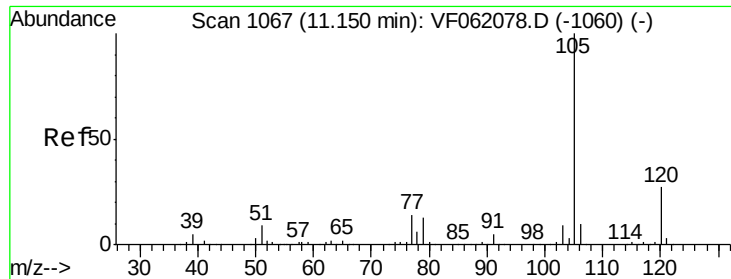


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 69.753 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

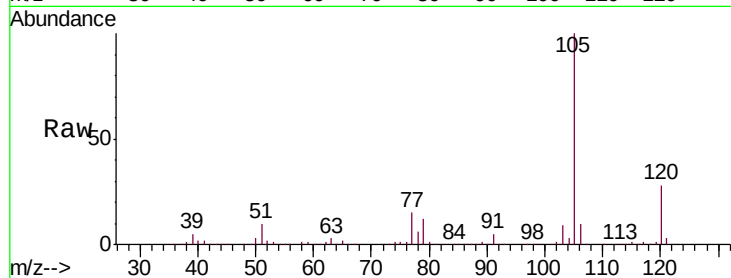
VSTDIC075

Tgt Ion: 105 Resp: 964418

Ion Ratio Lower Upper

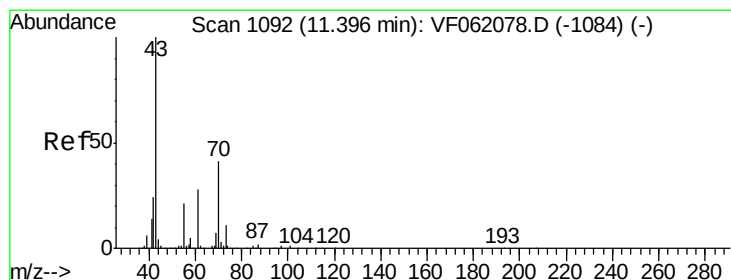
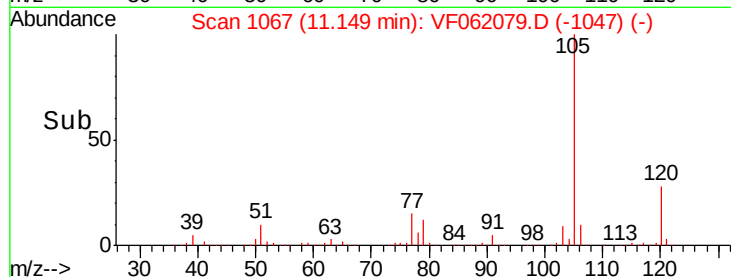
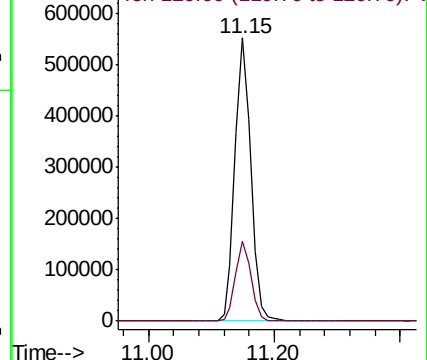
105 100

120 28.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 73.754 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Tgt Ion: 43 Resp: 242980

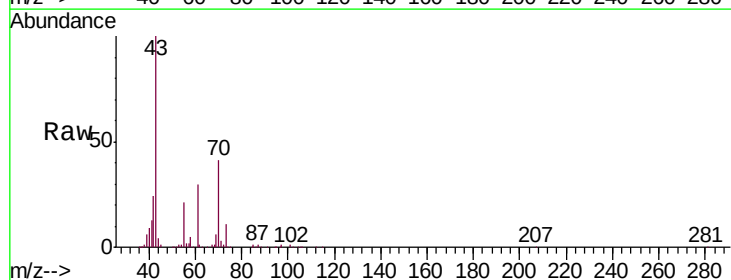
Ion Ratio Lower Upper

43 100

70 40.7 32.9 49.3

55 21.5 17.1 25.7

61 30.0 22.2 33.2

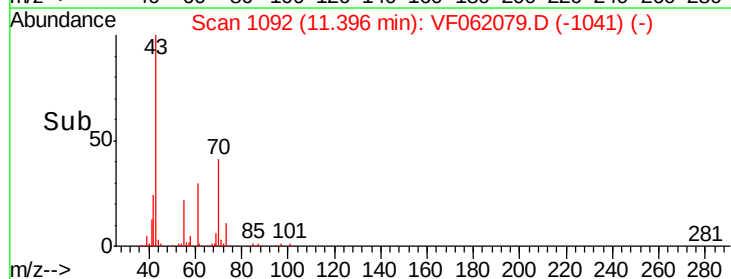
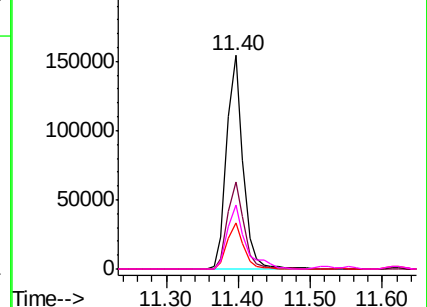


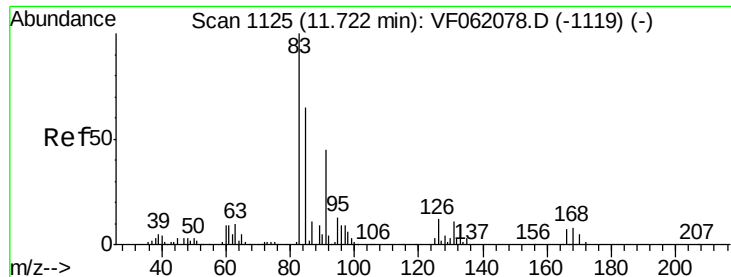
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 70.519 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

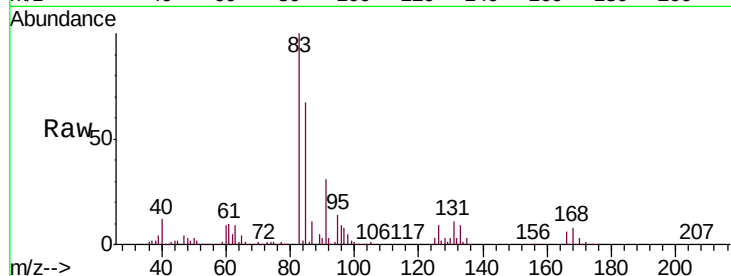
Tgt Ion: 83 Resp: 167411

Ion Ratio Lower Upper

83 100

131 10.8 5.3 15.8

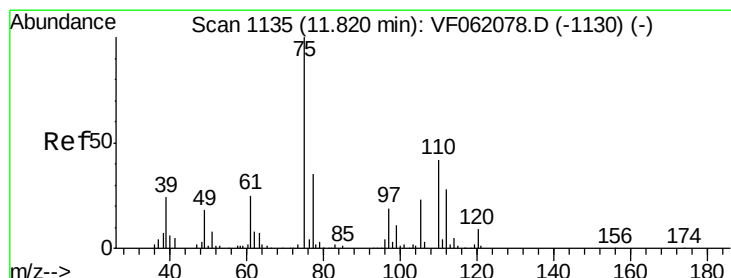
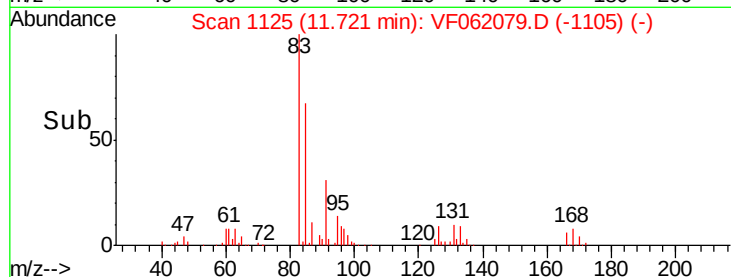
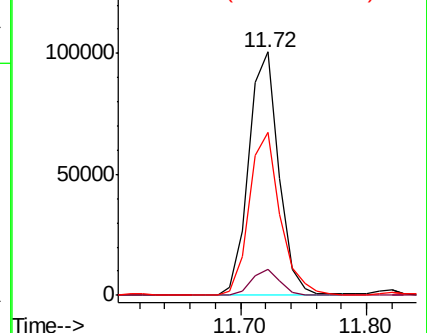
85 66.8 32.6 98.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 70.263 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF062079.D

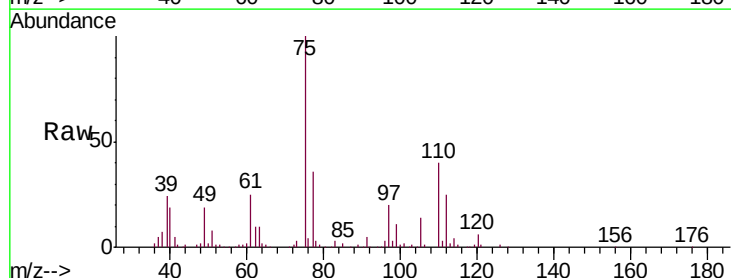
Acq: 22 Mar 2019 12:53

Tgt Ion: 75 Resp: 117390

Ion Ratio Lower Upper

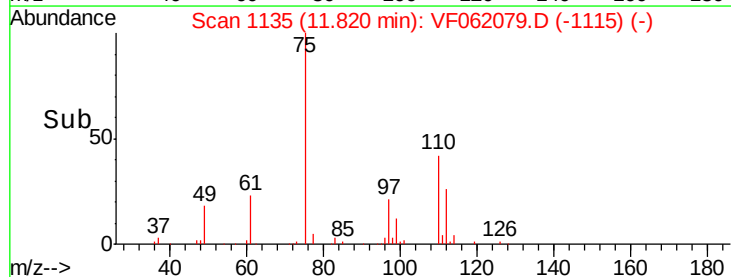
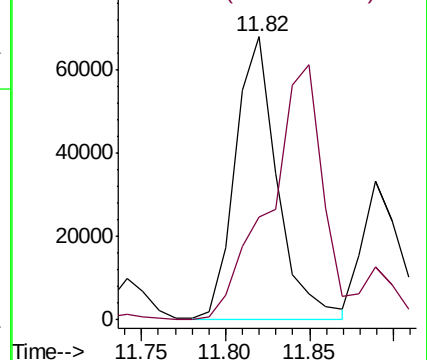
75 100

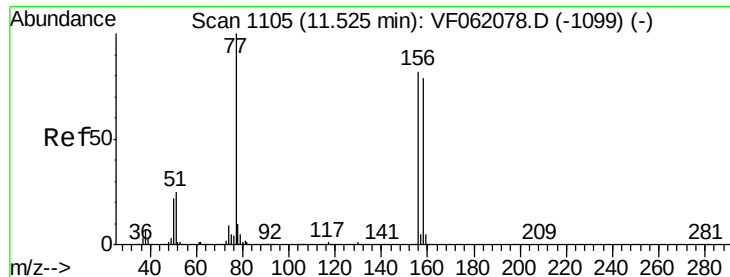
77 36.3 17.8 53.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 69.329 ug/l

RT: 11.52 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

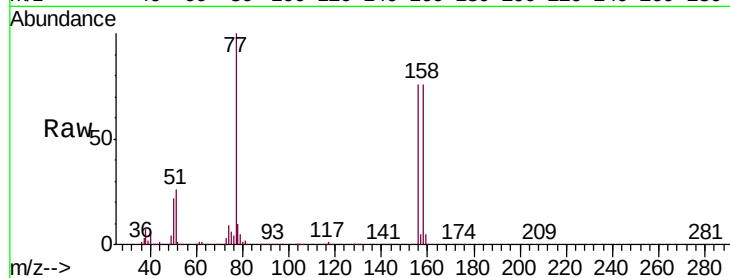
Tgt Ion:156 Resp: 234189

Ion Ratio Lower Upper

156 100

77 132.4 61.3 183.9

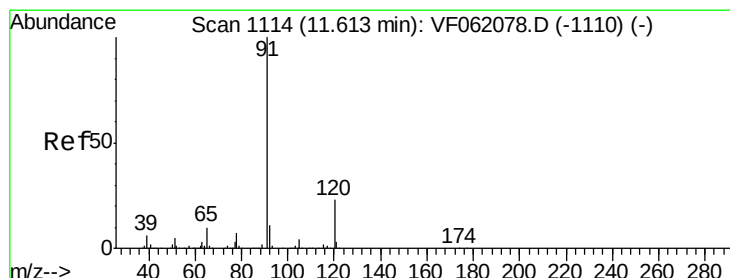
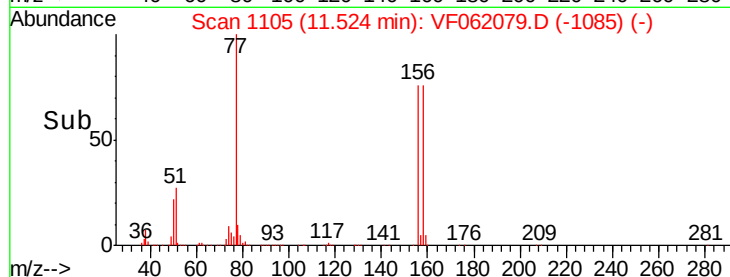
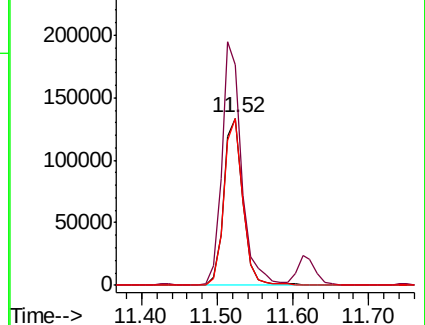
158 100.0 48.6 145.9



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: 67.981 ug/l

RT: 11.62 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF062079.D

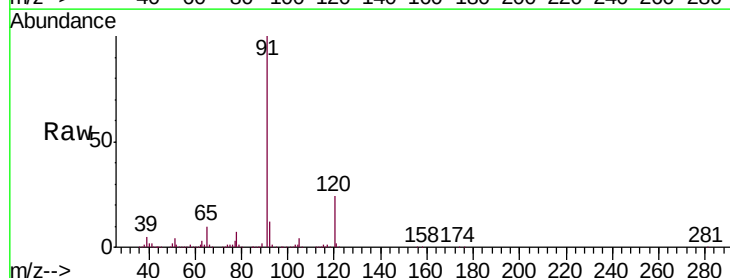
Acq: 22 Mar 2019 12:53

Tgt Ion: 91 Resp: 1091422

Ion Ratio Lower Upper

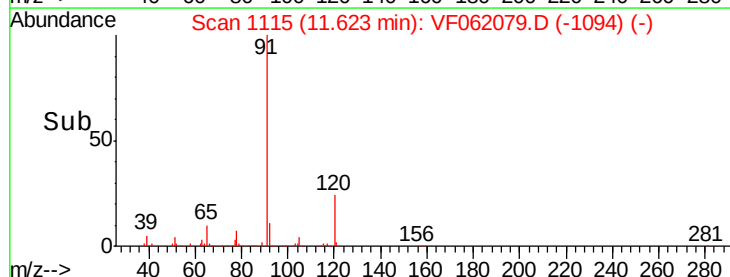
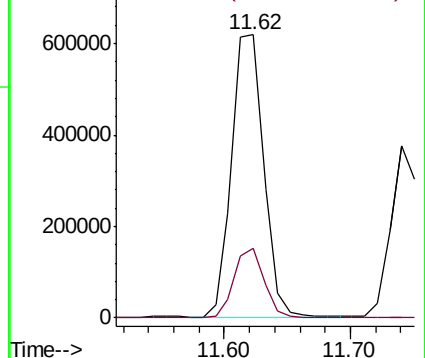
91 100

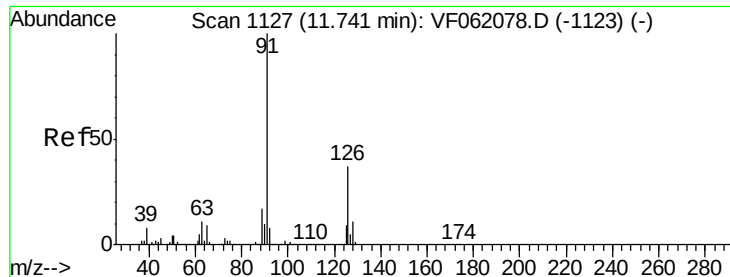
120 24.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 67.324 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

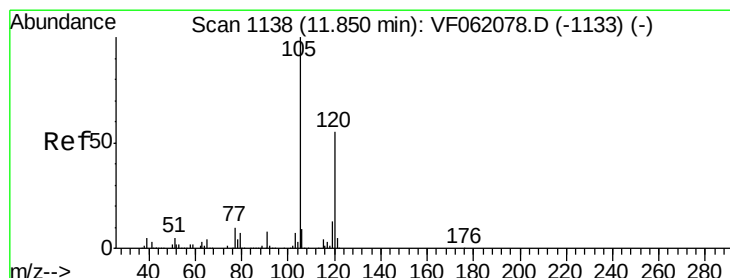
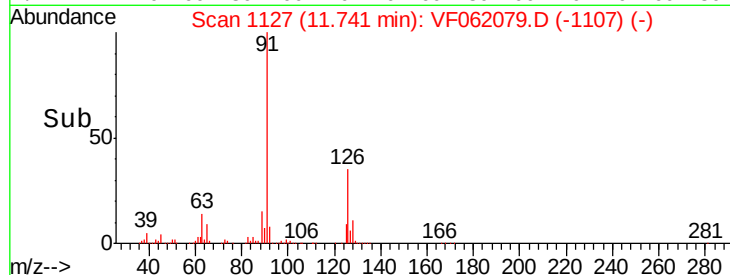
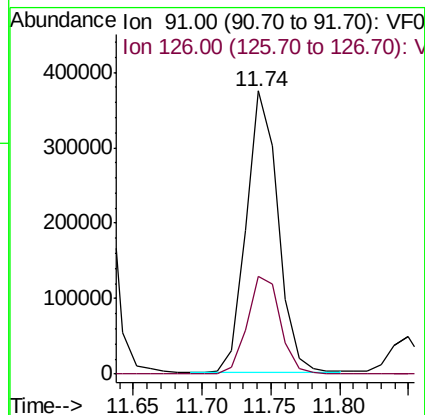
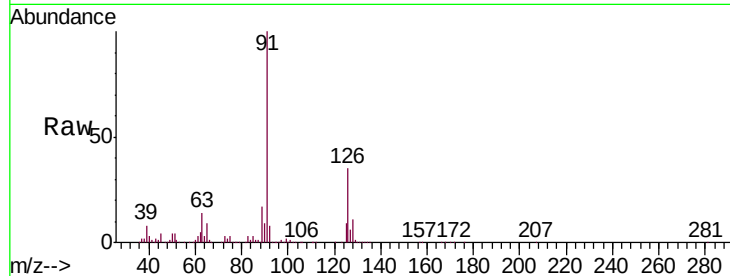
VSTDIC075

Tgt Ion: 91 Resp: 600774

Ion Ratio Lower Upper

91 100

126 34.7 18.3 54.8



#80

1,3,5-Trimethylbenzene

Concen: 68.884 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VF062079.D

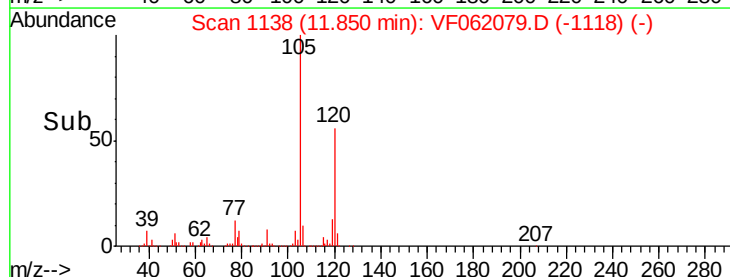
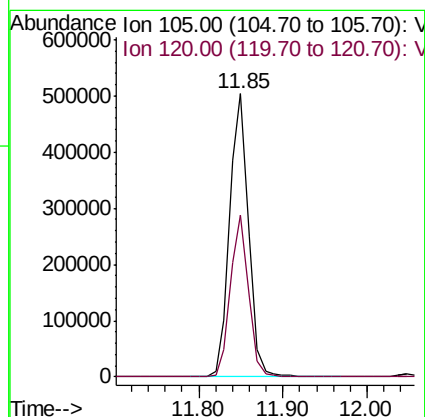
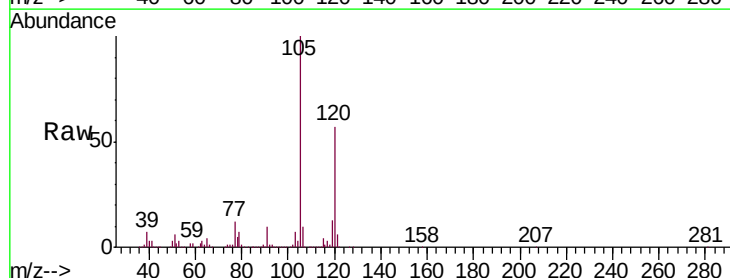
Acq: 22 Mar 2019 12:53

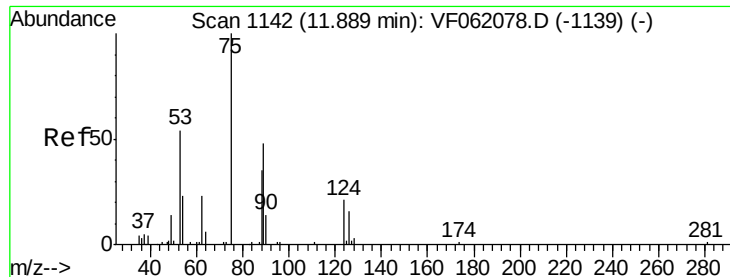
Tgt Ion: 105 Resp: 783390

Ion Ratio Lower Upper

105 100

120 56.9 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 70.548 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

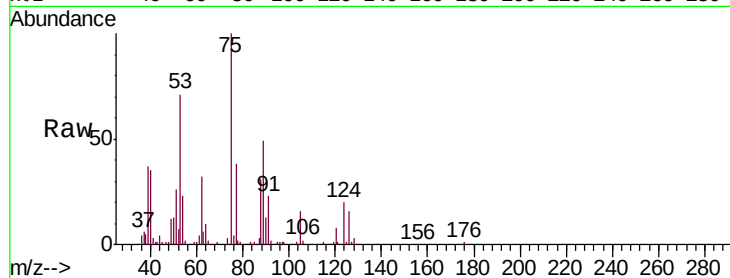
Tgt Ion: 75 Resp: 63569

Ion Ratio Lower Upper

75 100

53 71.0 49.4 74.0

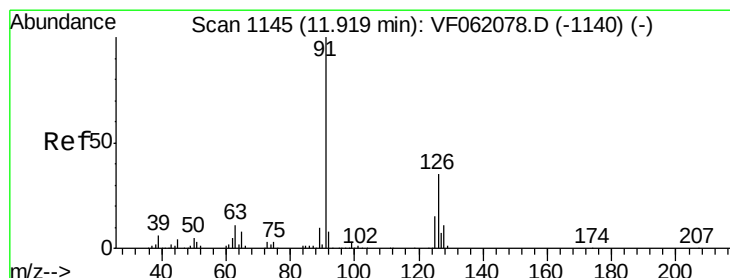
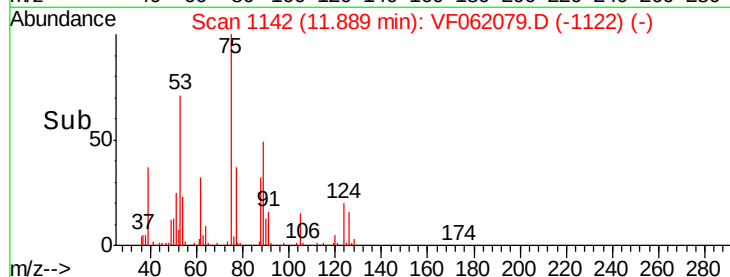
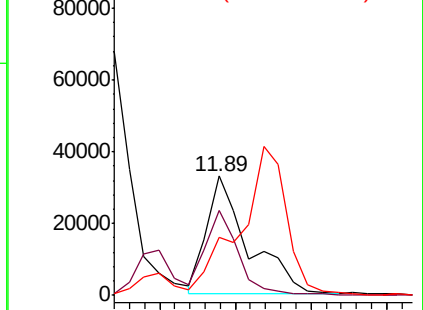
89 48.8 40.6 60.8



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: 69.895 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF062079.D

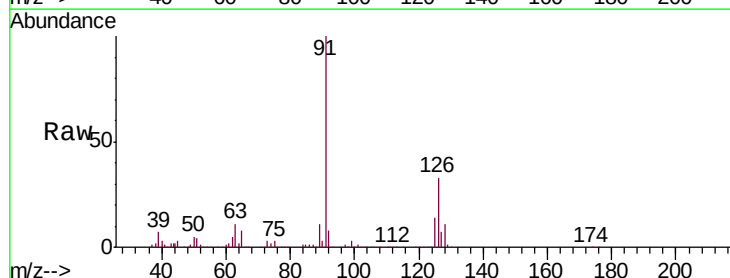
Acq: 22 Mar 2019 12:53

Tgt Ion: 91 Resp: 639509

Ion Ratio Lower Upper

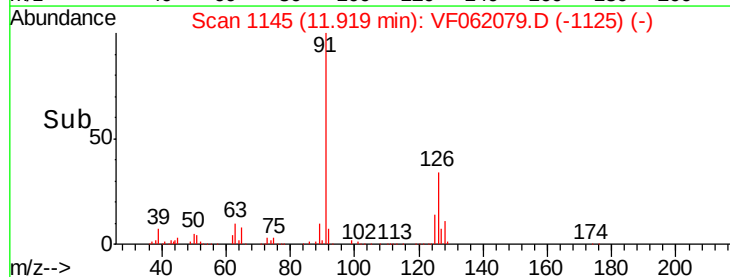
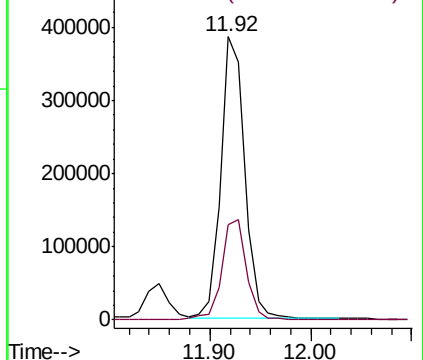
91 100

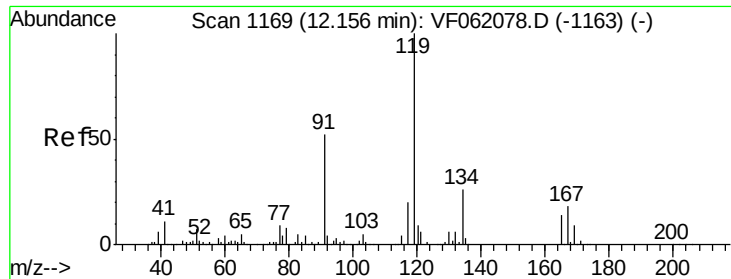
126 33.5 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

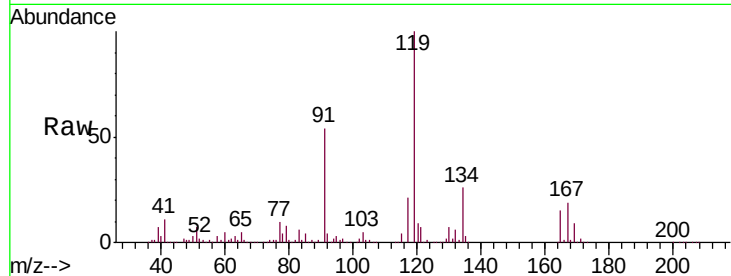




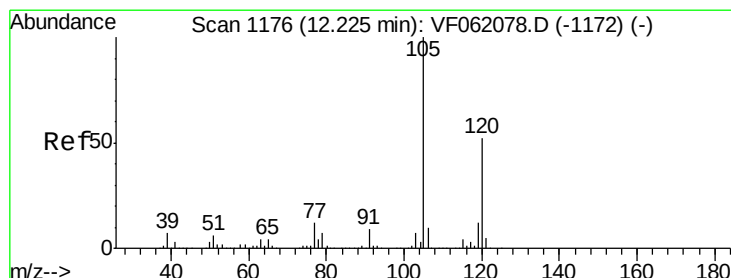
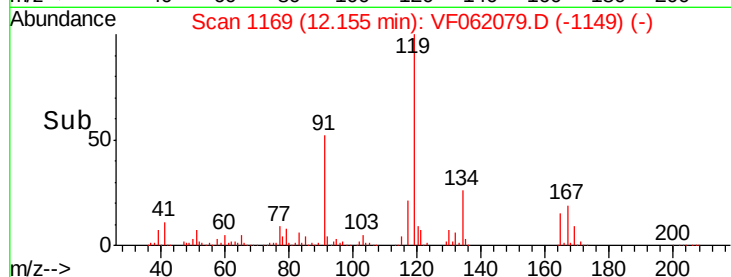
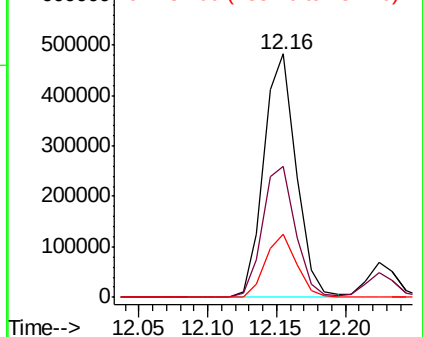
#83
 tert-Butylbenzene
 Concen: 66.394 ug/l
 RT: 12.16 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:119 Resp: 790423
 Ion Ratio Lower Upper
 119 100
 91 53.8 26.1 78.2
 134 26.0 12.8 38.4

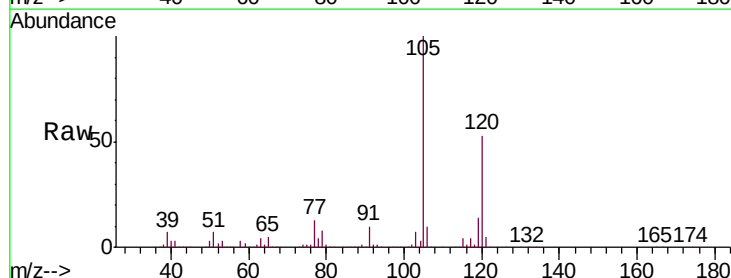


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

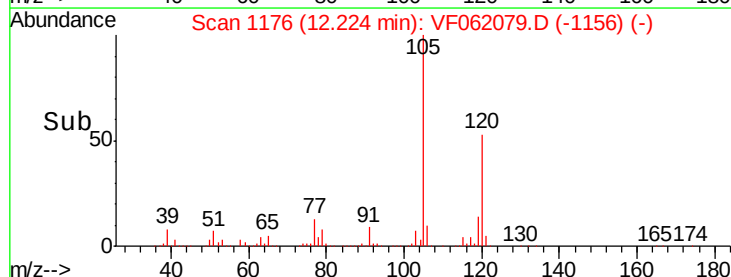
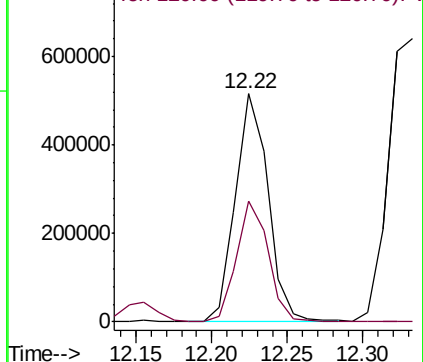


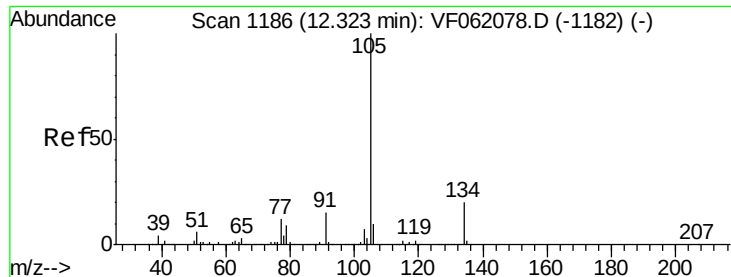
#84
 1,2,4-Trimethylbenzene
 Concen: 69.441 ug/l
 RT: 12.22 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Tgt Ion:105 Resp: 774187
 Ion Ratio Lower Upper
 105 100
 120 52.8 26.1 78.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 68.174 ug/l

RT: 12.33 min Scan# 1187

Delta R.T. 0.01 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

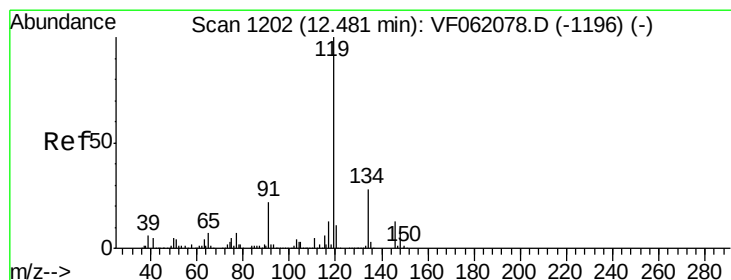
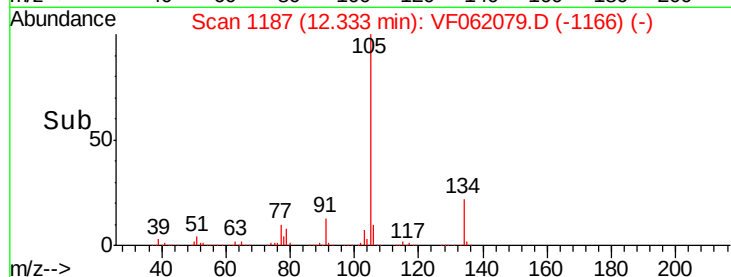
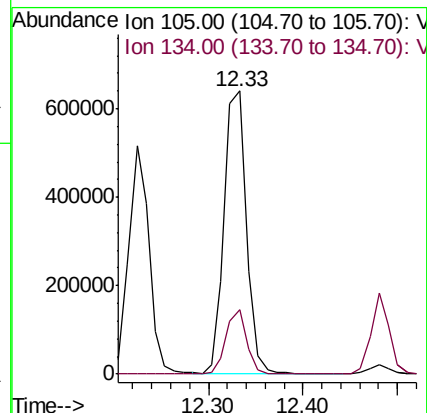
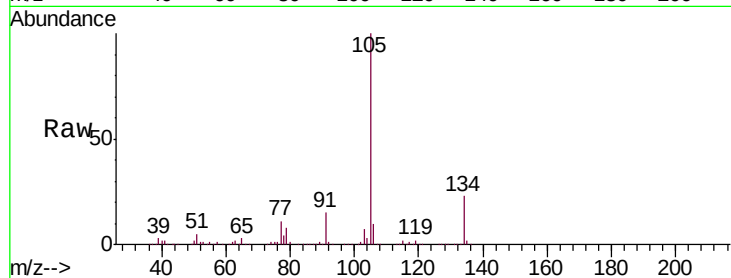
VSTDIC075

Tgt Ion:105 Resp: 1049952

Ion Ratio Lower Upper

105 100

134 22.6 10.2 30.4



#86

p-Isopropyltoluene

Concen: 68.639 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

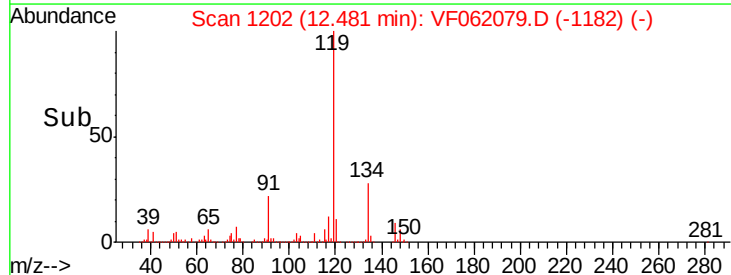
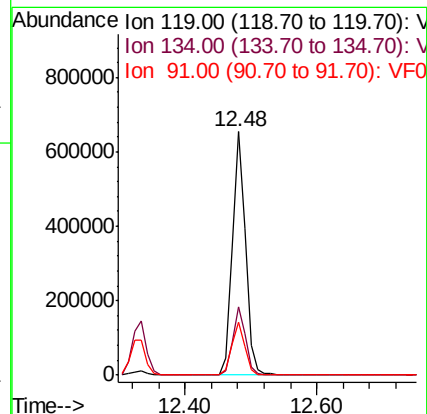
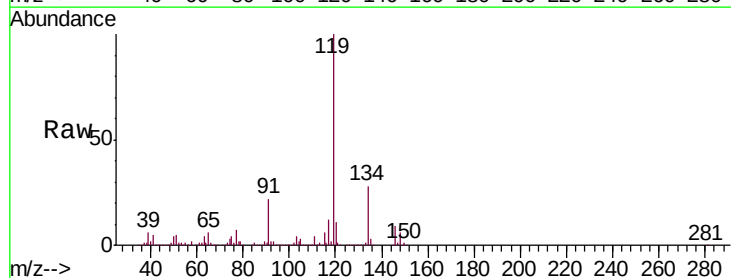
Tgt Ion:119 Resp: 915860

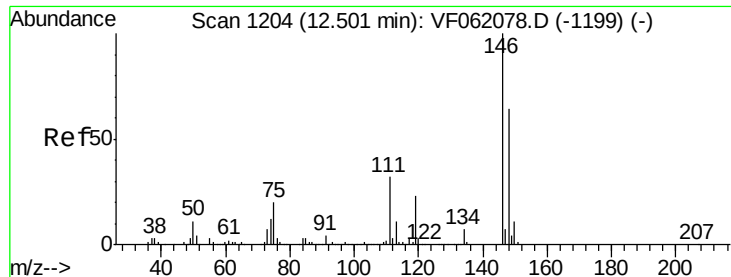
Ion Ratio Lower Upper

119 100

134 28.1 14.0 42.0

91 21.8 10.8 32.4

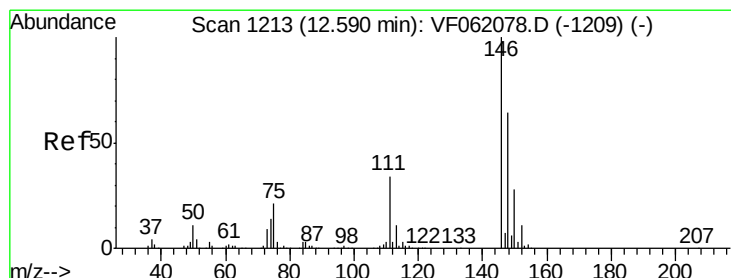
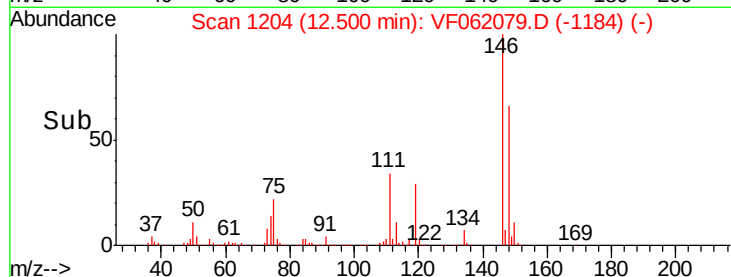
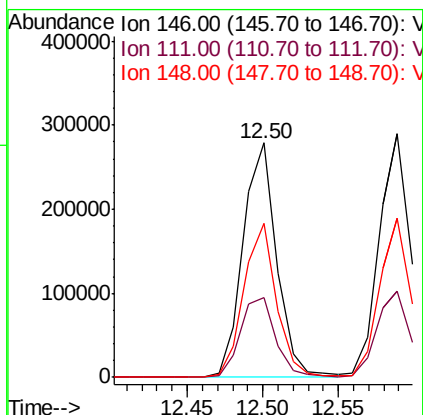
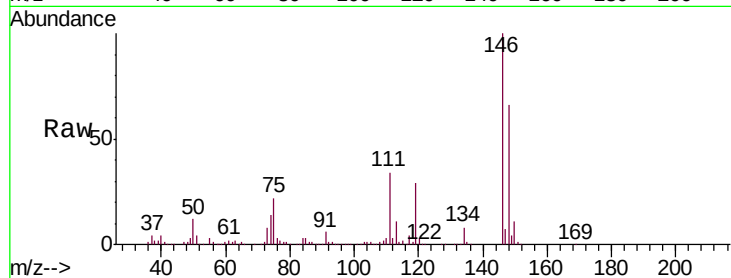




#87
 1,3-Dichlorobenzene
 Concen: 68.965 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

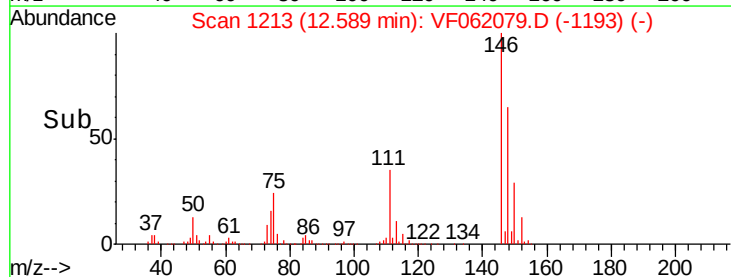
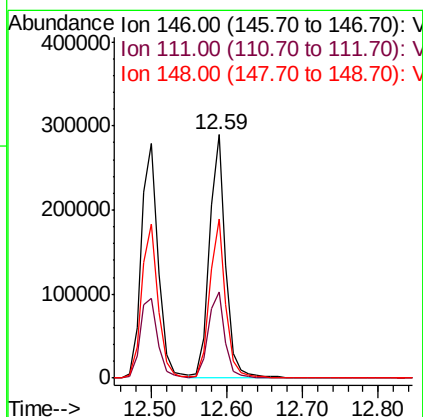
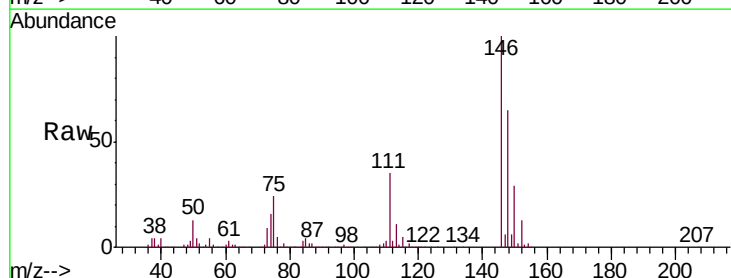
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

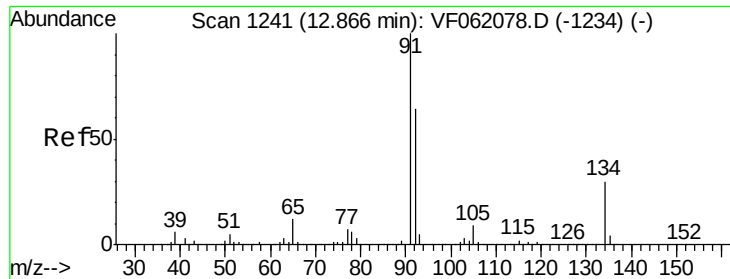
Tgt Ion:146 Resp: 432812
 Ion Ratio Lower Upper
 146 100
 111 34.0 16.1 48.3
 148 65.8 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 70.957 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Tgt Ion:146 Resp: 434535
 Ion Ratio Lower Upper
 146 100
 111 35.4 16.9 50.6
 148 65.4 31.9 95.7





#89

n-Butylbenzene

Concen: 68.326 ug/l

RT: 12.87 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

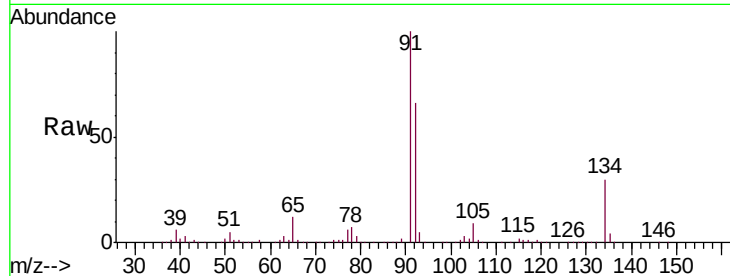
Tgt Ion: 91 Resp: 869800

Ion Ratio Lower Upper

91 100

92 66.1 31.9 95.5

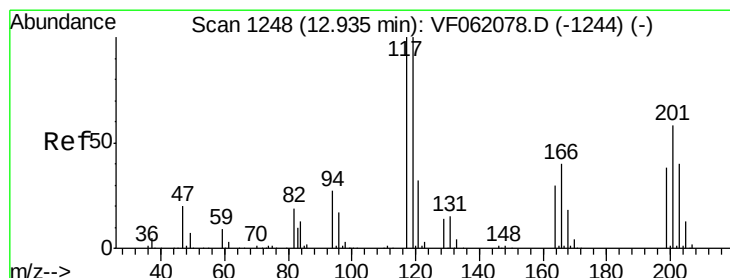
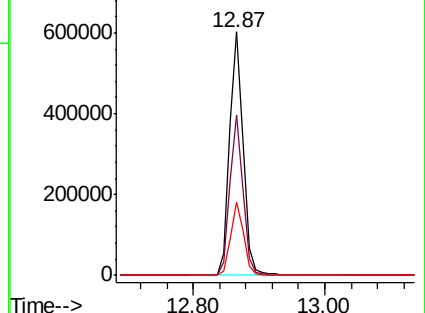
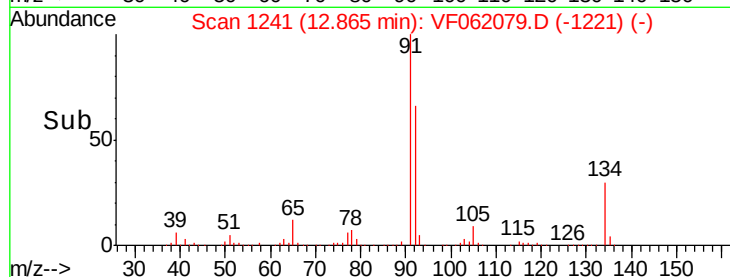
134 30.2 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 70.429 ug/l

RT: 12.93 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VF062079.D

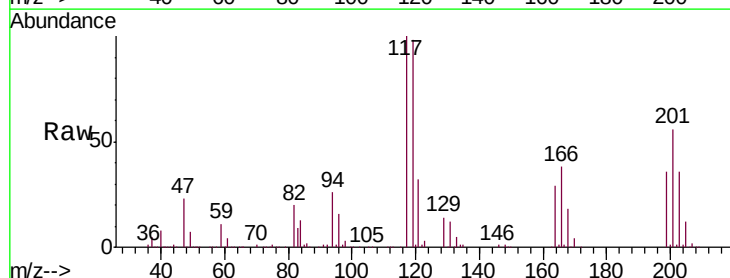
Acq: 22 Mar 2019 12:53

Tgt Ion: 117 Resp: 223766

Ion Ratio Lower Upper

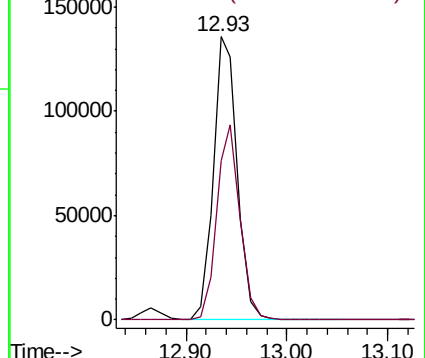
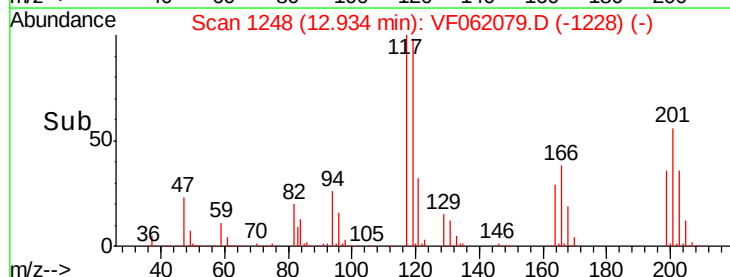
117 100

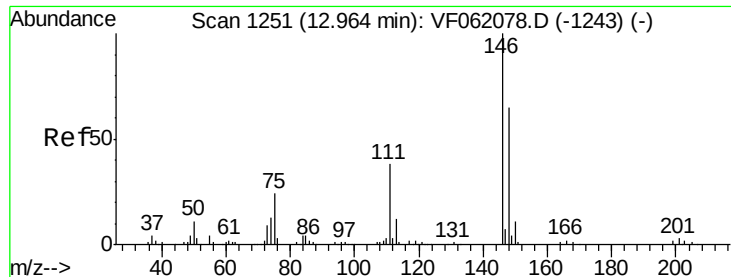
201 56.3 28.7 86.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

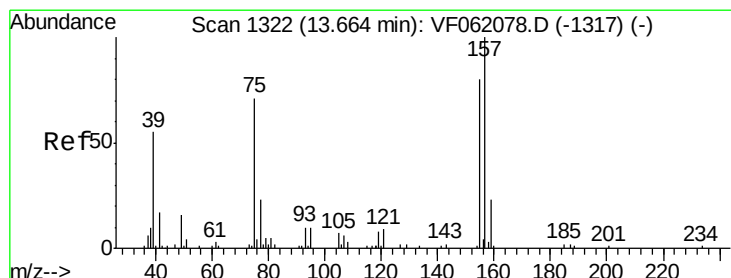
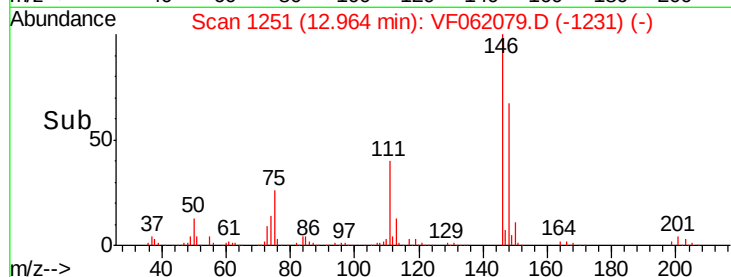
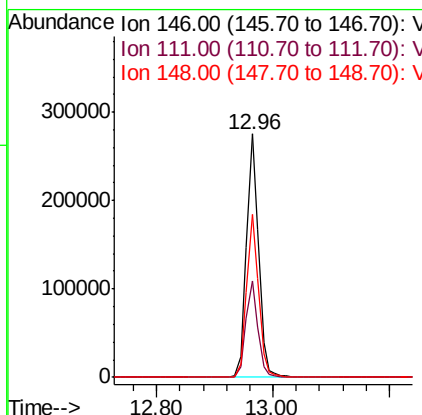
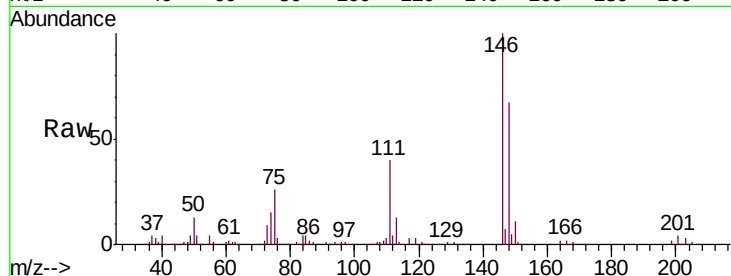




#91
 1,2-Dichlorobenzene
 Concen: 67.538 ug/l
 RT: 12.96 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

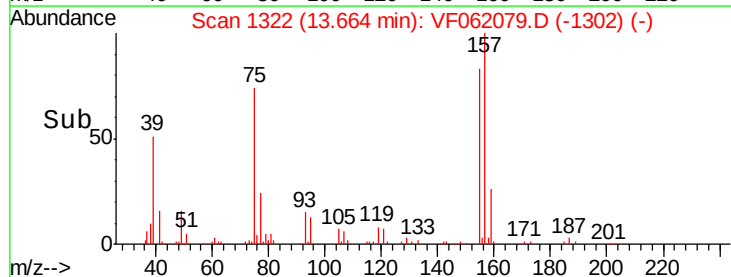
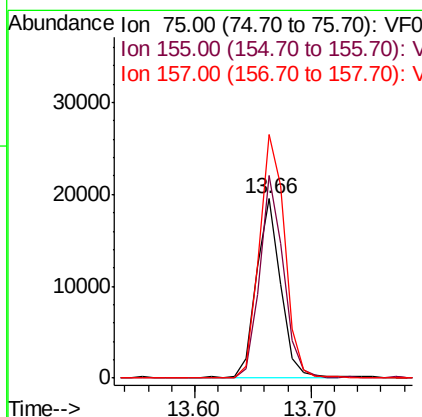
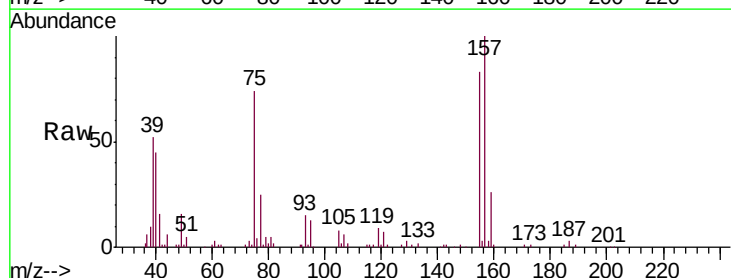
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

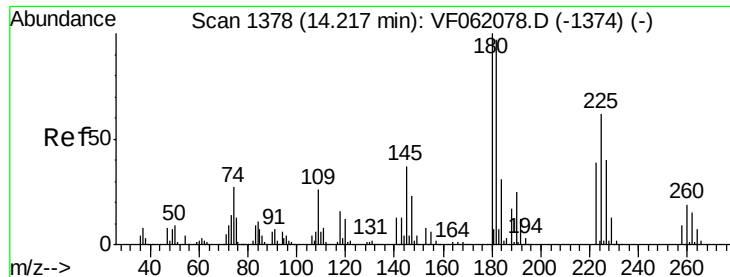
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.3
148	66.8	32.8	98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 78.523 ug/l
 RT: 13.66 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	112.6	56.1	168.4
157	135.6	70.4	211.2

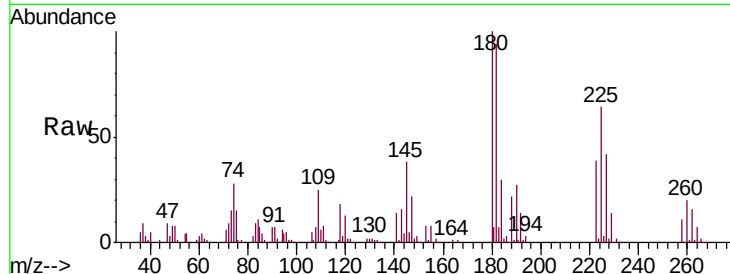




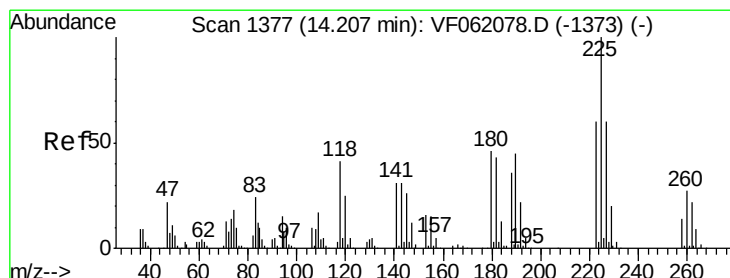
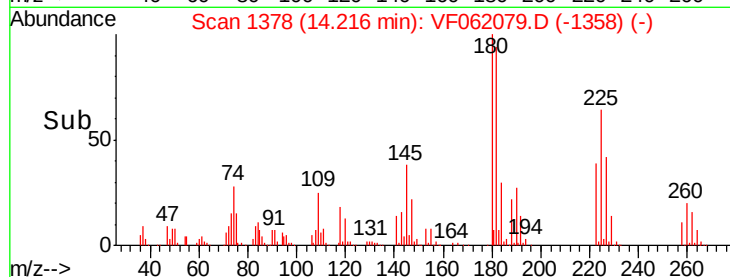
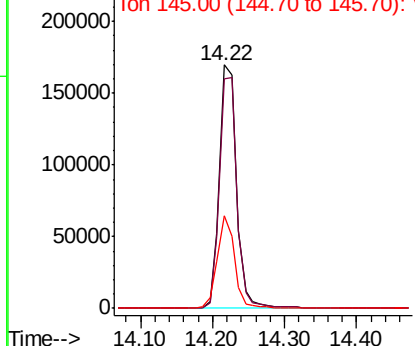
#93
 1,2,4-Trichlorobenzene
 Concen: 68.033 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 279416
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.7 146.1
 145 38.0 18.3 54.8

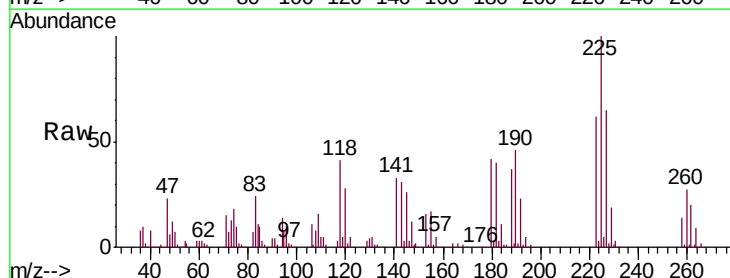


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

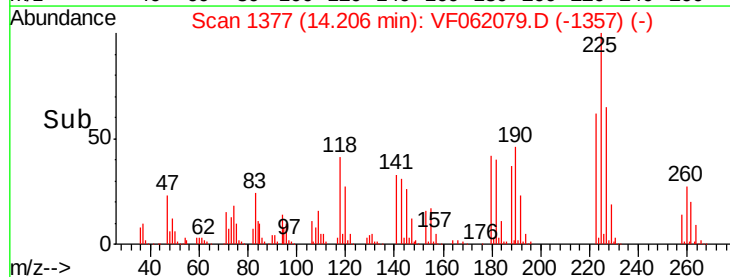
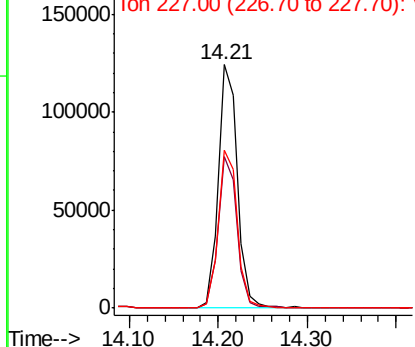


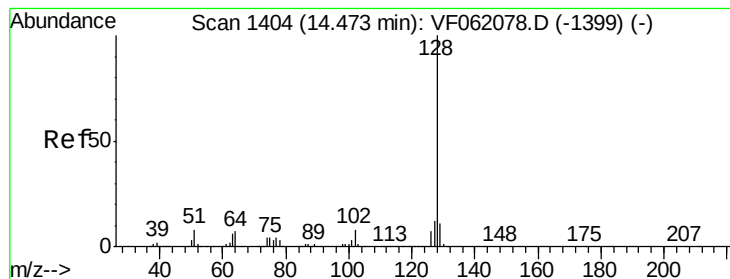
#94
 Hexachlorobutadiene
 Concen: 69.048 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF062079.D
 Acq: 22 Mar 2019 12:53

Tgt Ion:225 Resp: 188557
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.0 90.0
 227 64.7 30.2 90.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 76.092 ug/l

RT: 14.47 min Scan# 1404

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

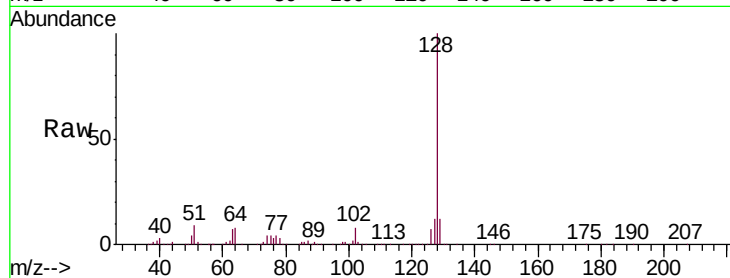
Tgt Ion:128 Resp: 547656

Ion Ratio Lower Upper

128 100

127 12.2 9.5 14.3

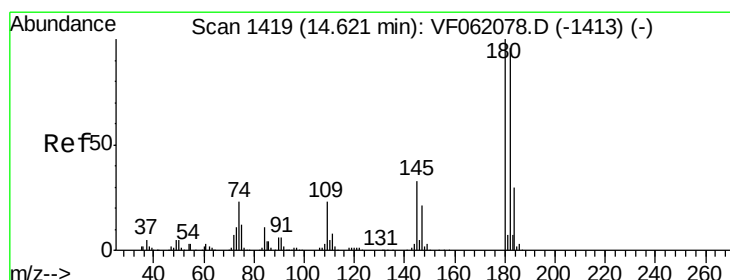
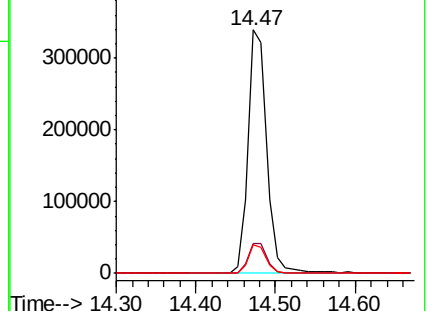
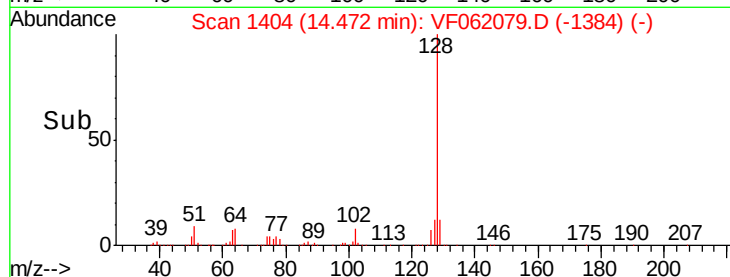
129 11.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 73.934 ug/l

RT: 14.62 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF062079.D

Acq: 22 Mar 2019 12:53

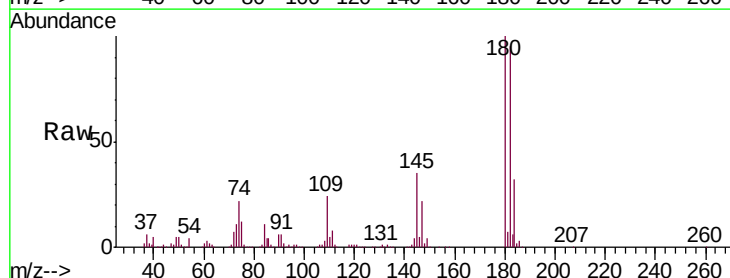
Tgt Ion:180 Resp: 284235

Ion Ratio Lower Upper

180 100

182 94.9 47.9 143.7

145 34.6 16.6 49.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

