

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062195.D
 Acq On : 17 Apr 2019 19:35
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 18 06:54:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	421407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	622444	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	527746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	262783	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	376010	66.99	ug/l	0.00
Spiked Amount			Recovery	=	133.98%	
35) Dibromofluoromethane	4.30	113	489008	114.56	ug/l	0.00
Spiked Amount			Recovery	=	229.12%	
50) Toluene-d8	7.70	98	1288314	82.78	ug/l	0.00
Spiked Amount			Recovery	=	165.56%	
62) 4-Bromofluorobenzene	11.48	95	507499	91.88	ug/l	0.00
Spiked Amount			Recovery	=	183.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	609268	120.547	ug/l	97
3) Chloromethane	1.15	50	643949	105.727	ug/l	99
4) Vinyl Chloride	1.19	62	564007	97.356	ug/l	100
5) Bromomethane	1.39	94	310063	81.336	ug/l	96
6) Chloroethane	1.43	64	207080	63.325	ug/l	99
7) Trichlorofluoromethane	1.56	101	697286	101.331	ug/l	92
8) Diethyl Ether	1.70	74	143811	50.103	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	486140	108.976	ug/l	99
10) Methyl Iodide	1.97	142	869504	168.597	ug/l	91
11) Tert butyl alcohol	2.69	59	133289	119.209	ug/l	98
12) 1,1-Dichloroethene	1.86	96	441782	96.603	ug/l	98
13) Acrolein	2.10	56	61934	66.455	ug/l	97
14) Allyl chloride	2.19	41	758932	83.485	ug/l	97
15) Acrylonitrile	3.07	53	375709	127.546	ug/l	98
16) Acetone	2.34	43	417234	152.657	ug/l	100
17) Carbon Disulfide	1.92	76	1077421	76.143	ug/l	97
18) Methyl Acetate	2.45	43	189706	27.620	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	818563	54.960	ug/l	98
20) Methylene Chloride	2.31	84	430271	81.914	ug/l	99
21) trans-1,2-Dichloroethene	2.41	96	443487	91.543	ug/l	97
22) Diisopropyl ether	2.93	45	1330775	72.584	ug/l	98
23) Vinyl Acetate	3.33	43	3127269	205.776	ug/l	99
24) 1,1-Dichloroethane	3.00	63	744544	80.125	ug/l	99
25) 2-Butanone	4.51	43	876173	198.309	ug/l	98
26) 2,2-Dichloropropane	3.76	77	364267	54.755	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	582255	103.344	ug/l	97
28) Bromochloromethane	3.89	49	342519	78.837	ug/l #	97
29) Tetrahydrofuran	4.26	42	392962	135.117	ug/l	98
30) Chloroform	4.04	83	882979	100.655	ug/l	95
31) Cyclohexane	3.86	56	857633	91.014	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	685018	99.753	ug/l #	89
36) 1,1-Dichloropropene	4.45	75	695758	104.259	ug/l	100
37) Ethyl Acetate	4.29	43	320448	42.934	ug/l #	98
38) Carbon Tetrachloride	4.17	117	808231	144.952	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	839896	104.227	ug/l	96
40) Benzene	4.81	78	1833806	95.824	ug/l	99
41) Methacrylonitrile	4.92	41	188661	43.713	ug/l	93
42) 1,2-Dichloroethane	5.11	62	514463	78.965	ug/l	98
43) Isopropyl Acetate	7.10	43	387351	32.941	ug/l	99
44) Trichloroethene	5.67	130	488314	101.715	ug/l	100
45) 1,2-Dichloropropane	6.40	63	443627	86.694	ug/l	100
46) Dibromomethane	6.25	93	281427	91.752	ug/l	98
47) Bromodichloromethane	6.53	83	637374	104.690	ug/l	99
48) Methyl methacrylate	6.86	41	243796	41.321	ug/l	98
49) 1,4-Dioxane	6.86	88	53370	488.025	ug/l	98
51) 4-Methyl-2-Pentanone	8.39	43	1280459	169.477	ug/l	97
52) Toluene	7.77	92	1026814	90.829	ug/l	95
53) t-1,3-Dichloropropene	8.41	75	490700	74.914	ug/l	93
54) cis-1,3-Dichloropropene	7.44	75	644734	85.426	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	299510	70.300	ug/l	97
56) Ethyl methacrylate	8.74	69	355819	48.908	ug/l	99
57) 1,3-Dichloropropane	8.98	76	492664	65.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.43	63	496129	130.605	ug/l	97
59) 2-Hexanone	9.61	43	898221	155.826	ug/l	96
60) Dibromochloromethane	8.84	129	444489	103.210	ug/l	97
61) 1,2-Dibromoethane	9.12	107	346180	78.097	ug/l	98
64) Tetrachloroethene	8.29	164	439657	105.549	ug/l	99
65) Chlorobenzene	9.91	112	1092492	96.194	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	461447	110.811	ug/l	99
67) Ethyl Benzene	10.01	91	1848421	90.394	ug/l	97
68) m/p-Xylenes	10.25	106	1409443	189.436	ug/l	88
69) o-Xylene	10.80	106	757884	101.591	ug/l	91
70) Styrene	10.88	104	1081279	87.479	ug/l	99
71) Bromoform	10.86	173	254462	83.082	ug/l #	100
73) Isopropylbenzene	11.21	105	1976863	96.374	ug/l	97
74) N-amyl acetate	11.43	43	531643	50.851	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	365176	53.850	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	255076	43.533	ug/l #	64
77) Bromobenzene	11.57	156	468532	92.916	ug/l	98
78) n-propylbenzene	11.66	91	2089518	90.963	ug/l	96
79) 2-Chlorotoluene	11.79	91	1299795	93.060	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	1605149	93.632	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	149260	65.080	ug/l #	91
82) 4-Chlorotoluene	11.96	91	1263718	80.466	ug/l	95
83) tert-Butylbenzene	12.19	119	1671460	99.845	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	1559903	90.468	ug/l	95
85) sec-Butylbenzene	12.36	105	2120430	104.554	ug/l	96
86) p-Isopropyltoluene	12.51	119	1773484	96.934	ug/l	97
87) 1,3-Dichlorobenzene	12.53	146	799104	90.334	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	804722	89.935	ug/l	99
89) n-Butylbenzene	12.89	91	1617819	96.306	ug/l	95
90) Hexachloroethane	12.96	117	494522	147.410	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	757805	86.833	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	69237	45.372	ug/l	92

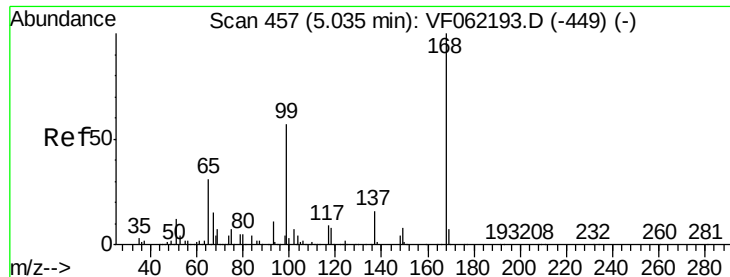
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041719\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	630144	97.736	ug/l	99
94) Hexachlorobutadiene	14.22	225	455628	131.461	ug/l	99
95) Naphthalene	14.49	128	1207530	63.635	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	628940	98.246	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

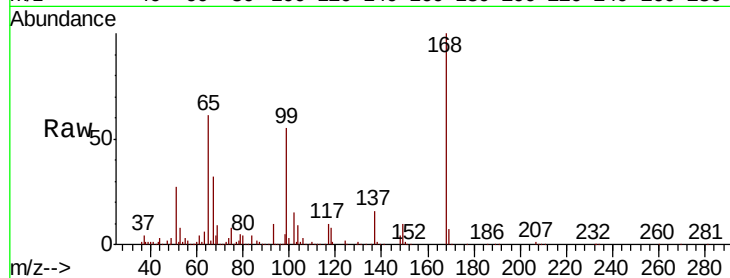
VSTDIC100

Tot Ion:168 Resp: 421407

Ion Ratio Lower Upper

168 100

99 55.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.04

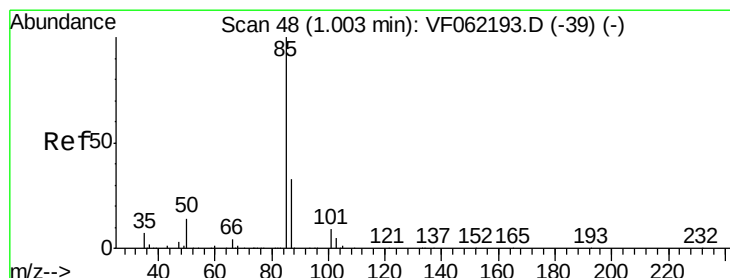
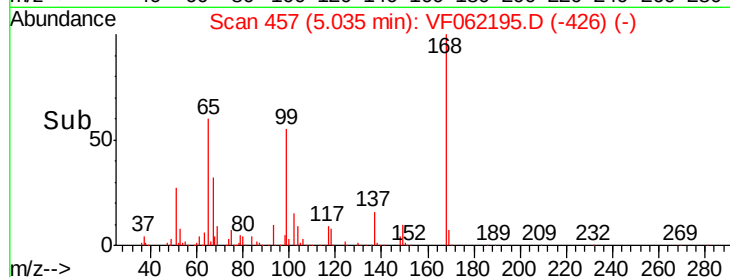
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 120.547 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062195.D

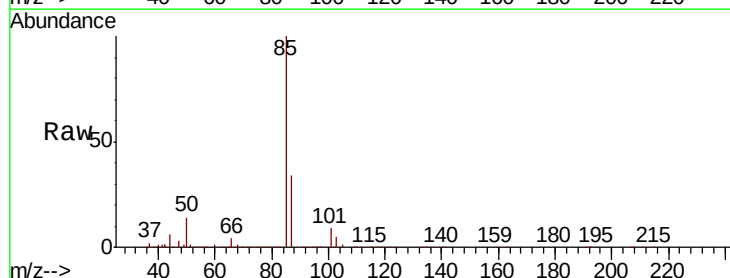
Acq: 17 Apr 2019 19:35

Tgt Ion: 85 Resp: 609268

Ion Ratio Lower Upper

85 100

87 34.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

200000

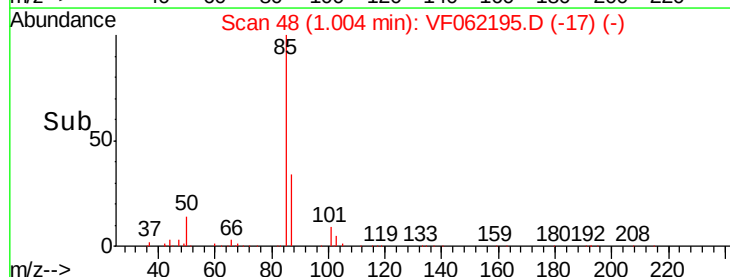
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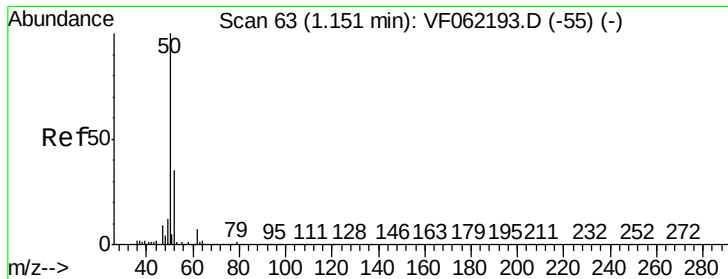
100000

50000

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Time-->





#3

Chloromethane

Concen: 105.727 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

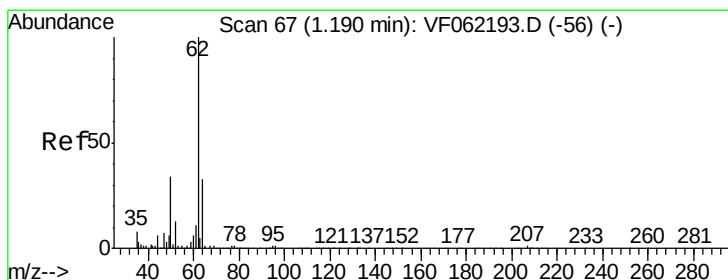
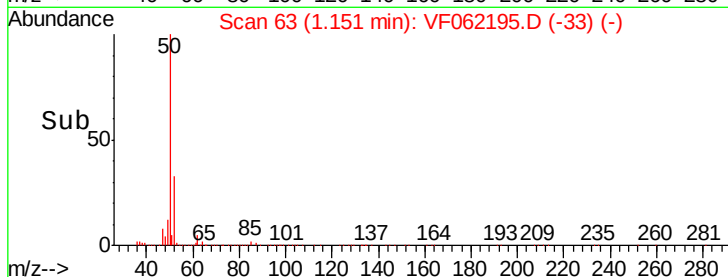
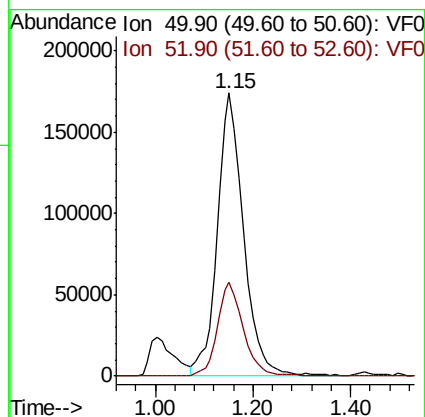
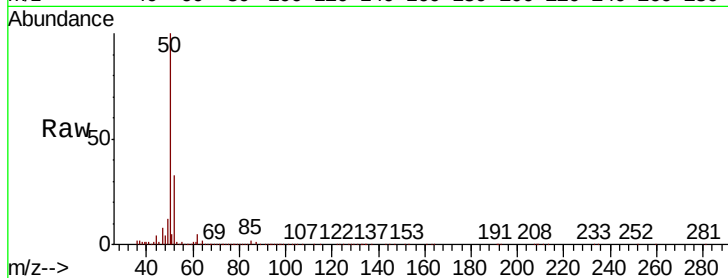
VSTDIC100

Tot Ion: 50 Resp: 643949

Ion Ratio Lower Upper

50 100

52 33.0 27.0 40.4



#4

Vinyl Chloride

Concen: 97.356 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062195.D

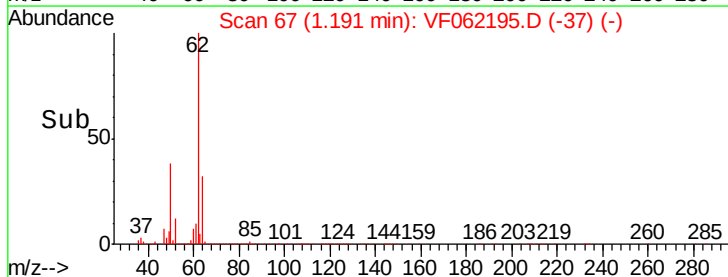
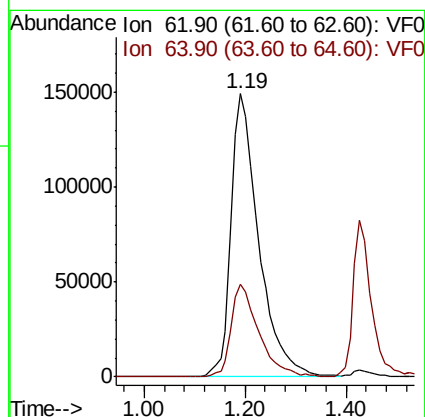
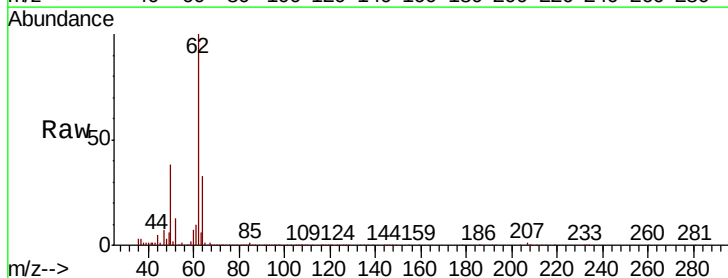
Acq: 17 Apr 2019 19:35

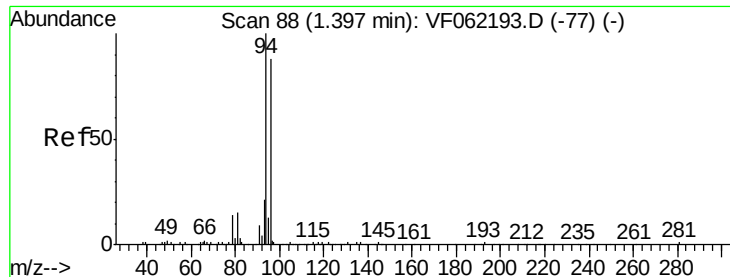
Tgt Ion: 62 Resp: 564007

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.4





#5

Bromomethane

Concen: 81.336 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

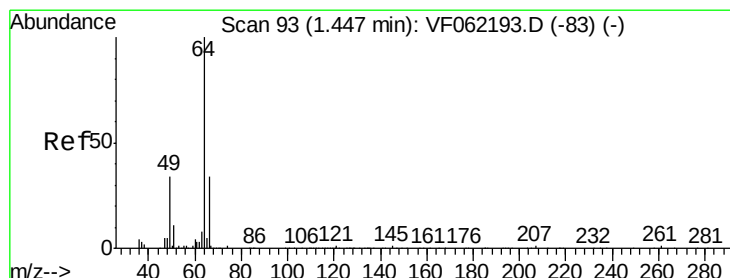
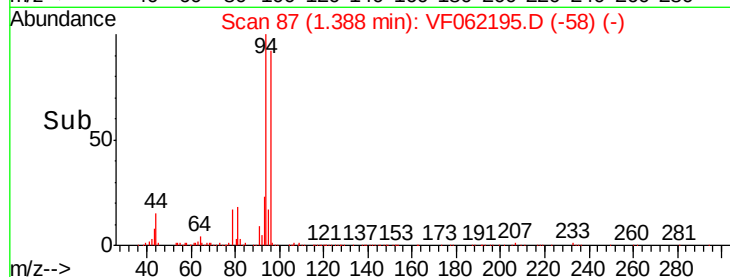
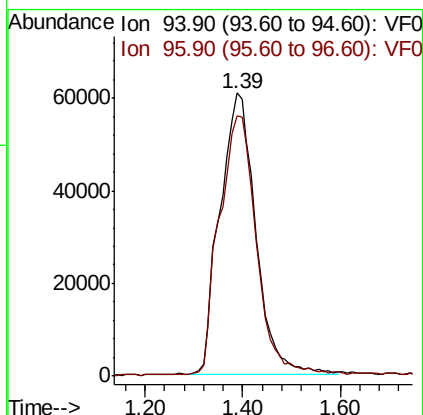
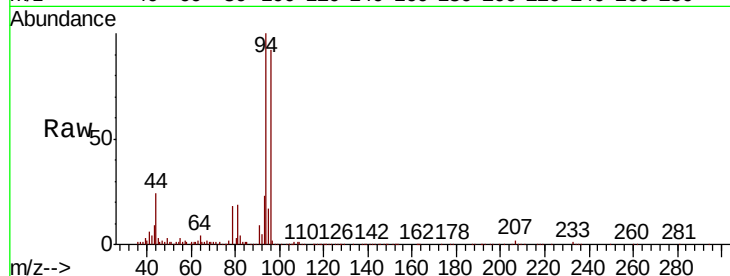
VSTDIC100

Tot Ion: 94 Resp: 310063

Ion Ratio Lower Upper

94 100

96 92.0 70.2 105.4



#6

Chloroethane

Concen: 63.325 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.02 min

Lab File: VF062195.D

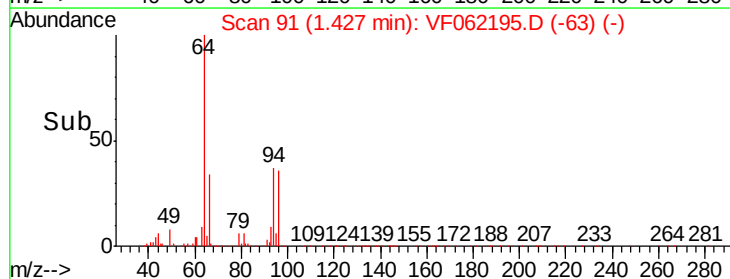
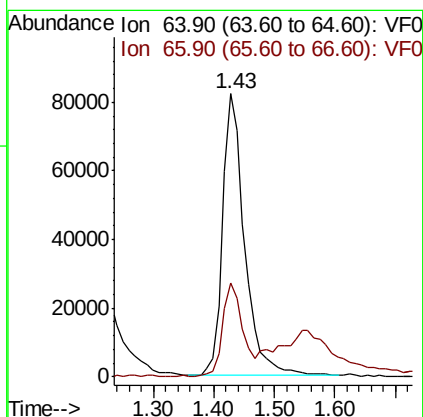
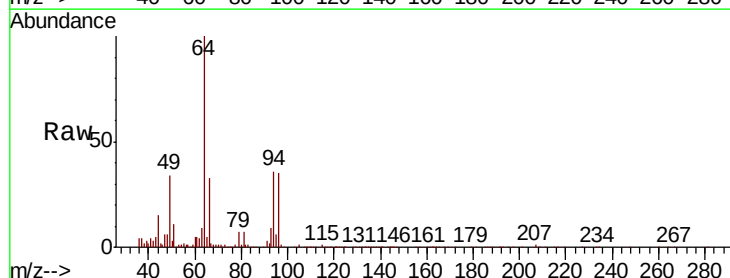
Acq: 17 Apr 2019 19:35

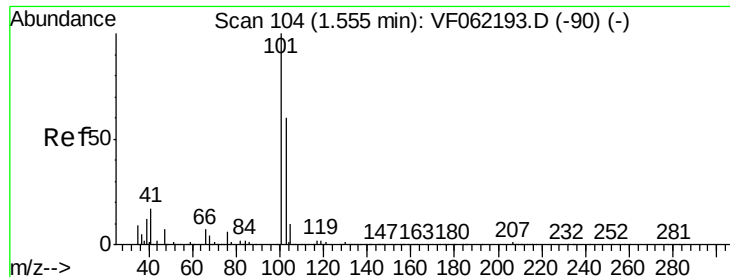
Tgt Ion: 64 Resp: 207080

Ion Ratio Lower Upper

64 100

66 33.0 27.0 40.4



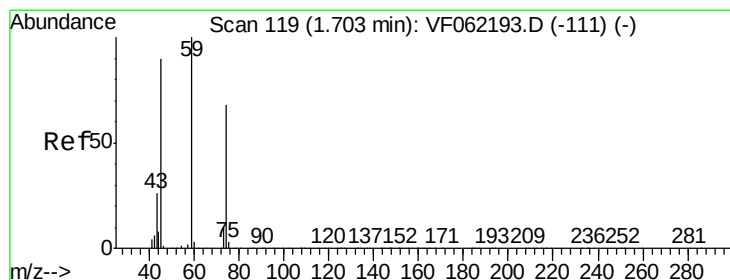
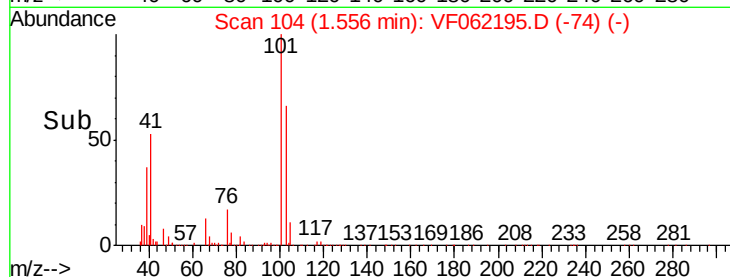
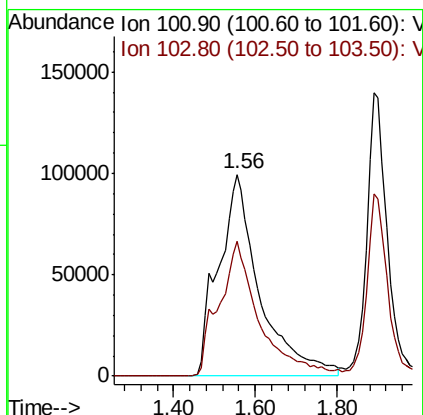
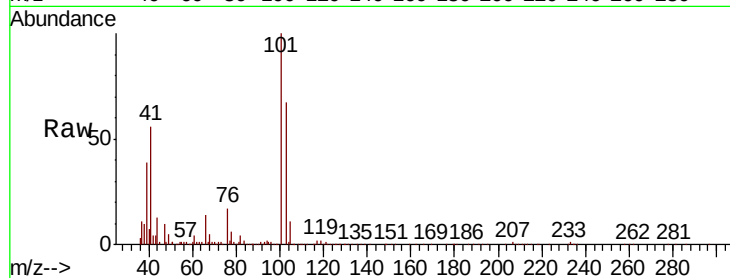


#7

Trichlorofluoromethane
 Concen: 101.331 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Instrument :
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 ClientSampleId :
 VSTDIC100

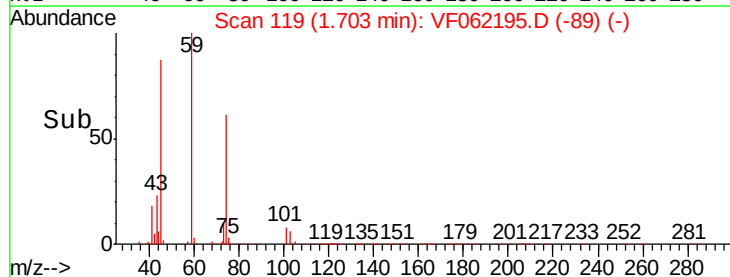
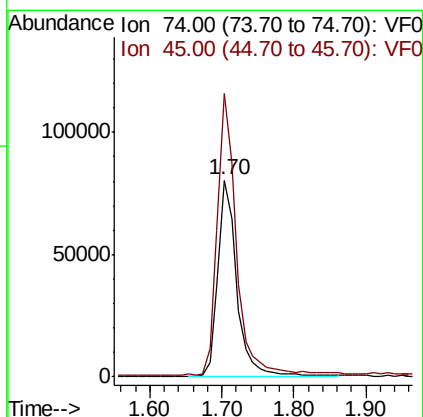
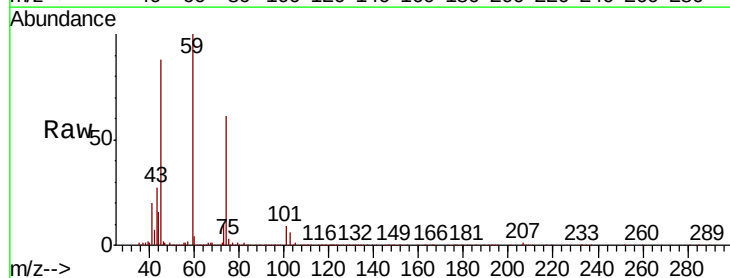
Tot Ion:101 Resp: 697286
 Ion Ratio Lower Upper
 101 100
 103 66.5 48.2 72.4

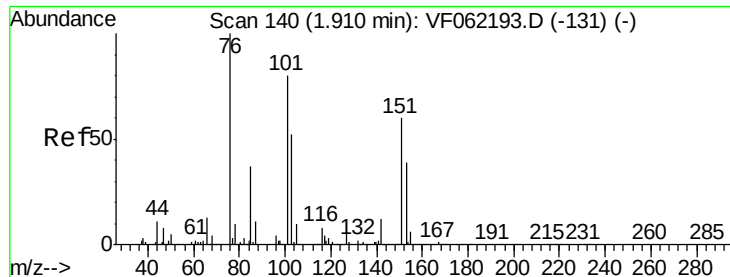


#8

Diethyl Ether
 Concen: 50.103 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion: 74 Resp: 143811
 Ion Ratio Lower Upper
 74 100
 45 145.5 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 108.976 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

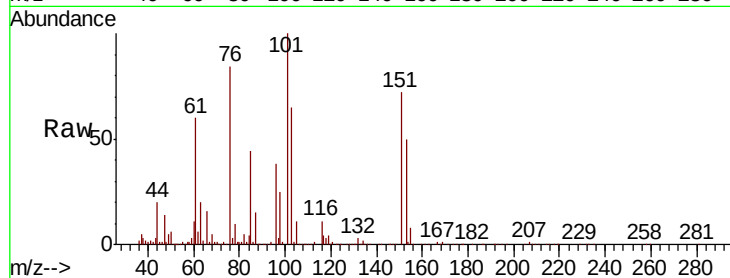
Tot Ion:101 Resp: 486140

Ion Ratio Lower Upper

101 100

85 42.8 35.3 52.9

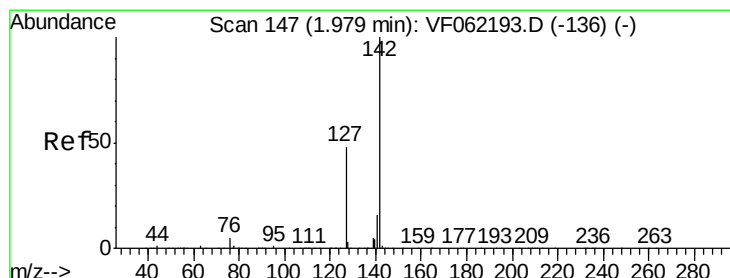
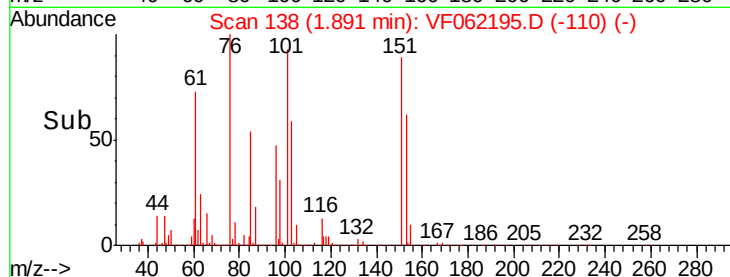
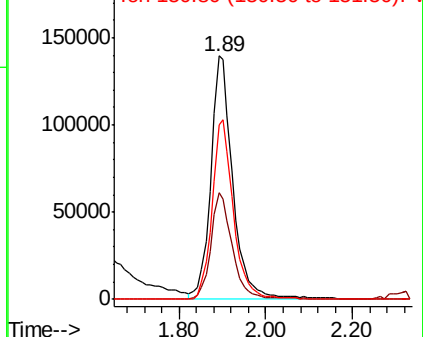
151 72.6 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 168.597 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

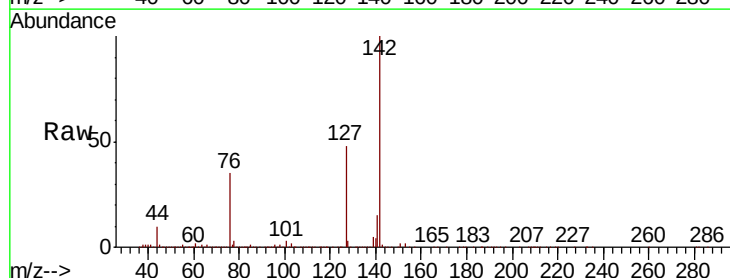
Tgt Ion:142 Resp: 869504

Ion Ratio Lower Upper

142 100

127 48.6 33.0 49.4

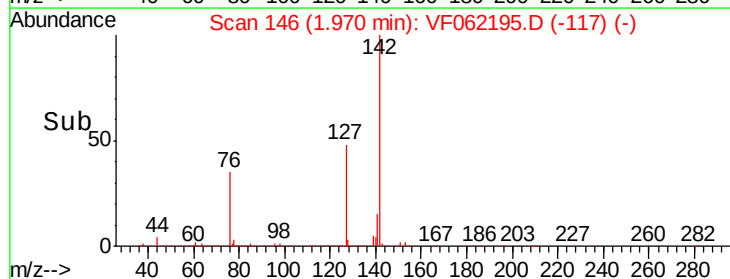
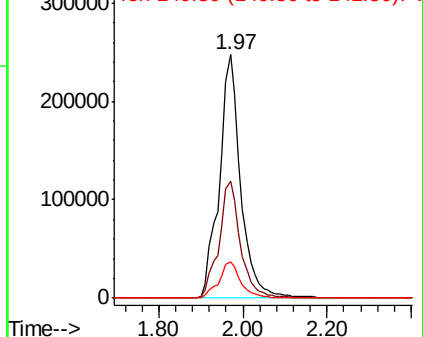
141 15.1 12.7 19.1

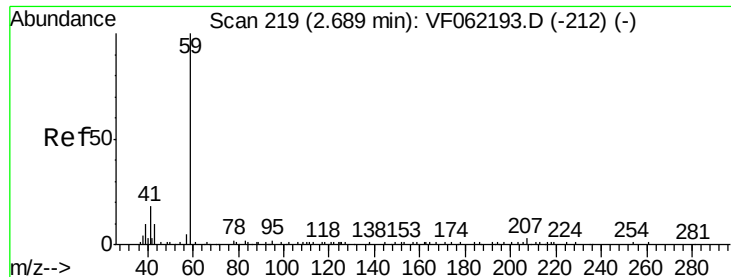


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



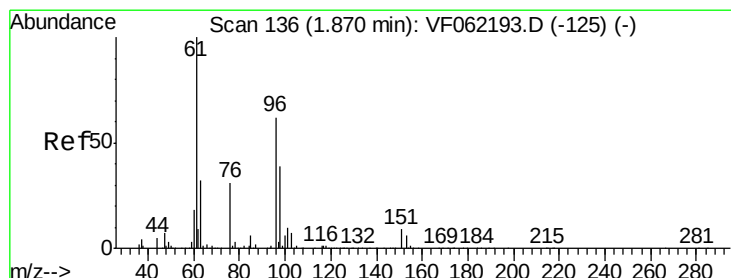
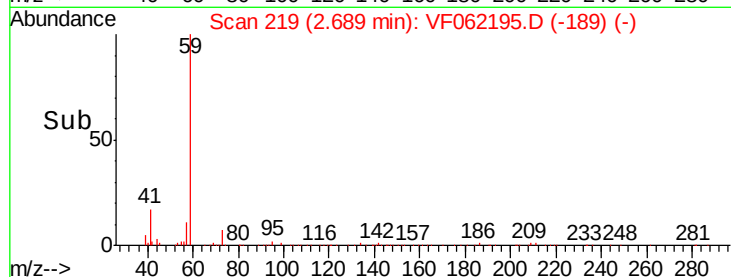
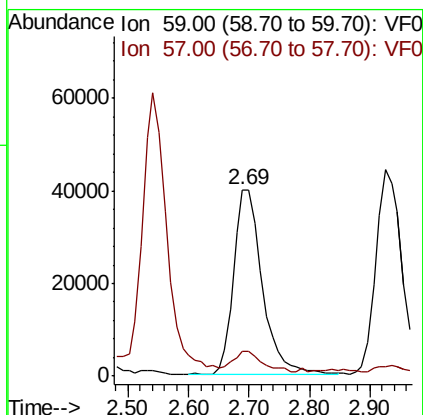
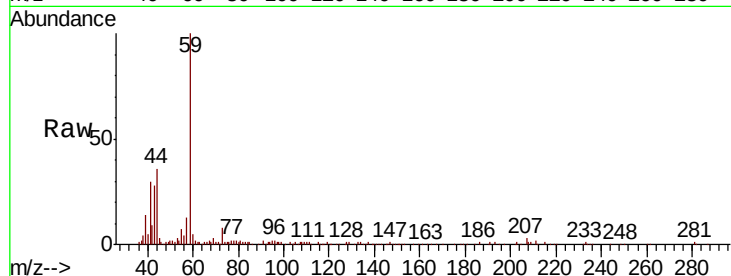


#11

Tert butyl alcohol
 Concen: 119.209 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

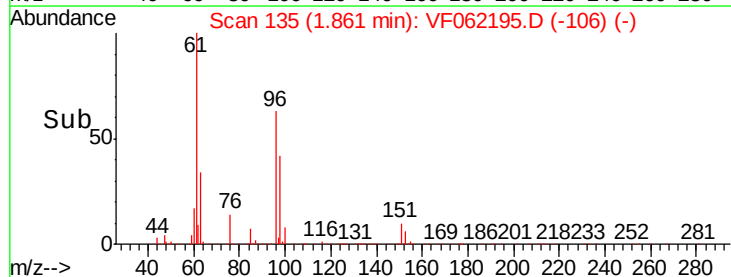
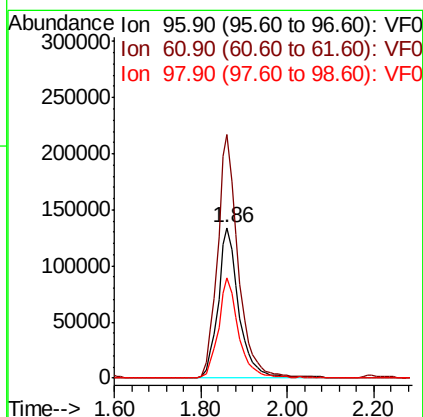
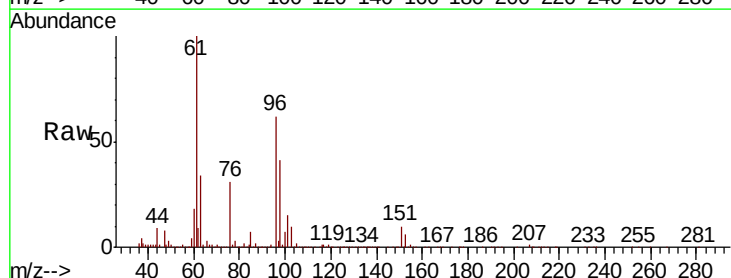
Tot Ion: 59 Resp: 133289
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.3 13.9

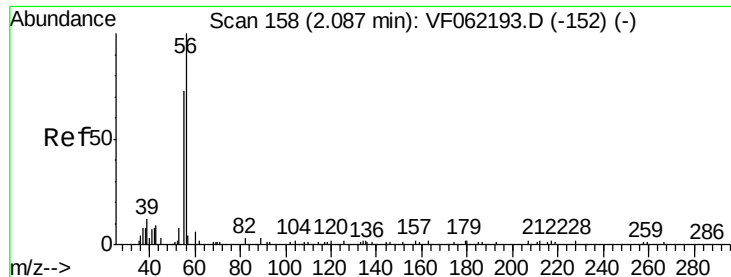


#12

1,1-Dichloroethene
 Concen: 96.603 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion: 96 Resp: 441782
 Ion Ratio Lower Upper
 96 100
 61 161.7 129.1 193.7
 98 66.4 50.0 75.0

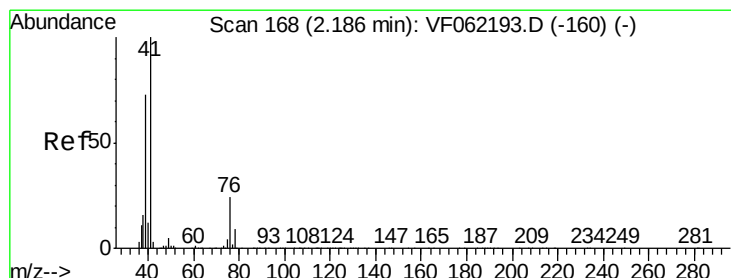
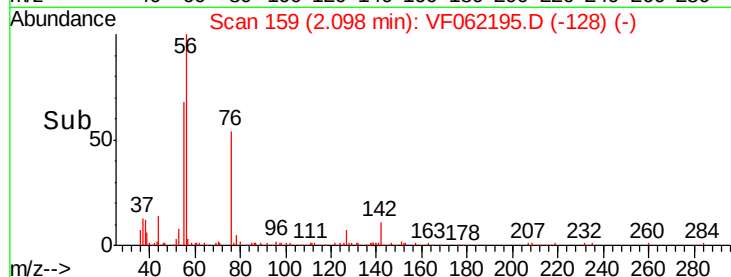
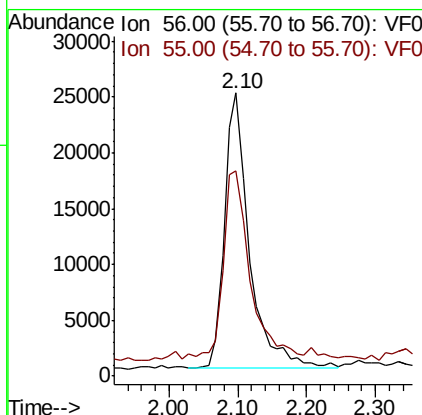
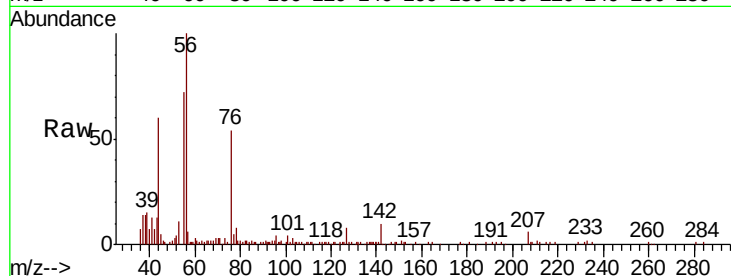




#13
Acrolein
Concen: 66.455 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

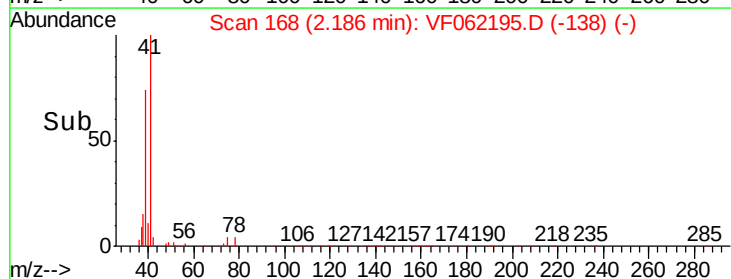
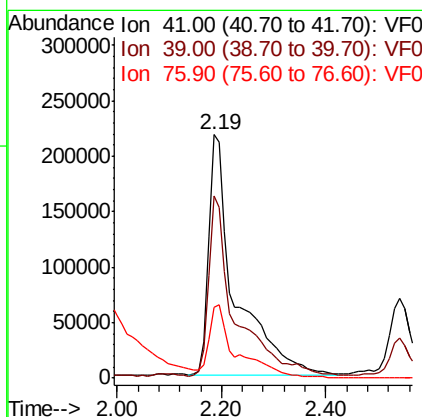
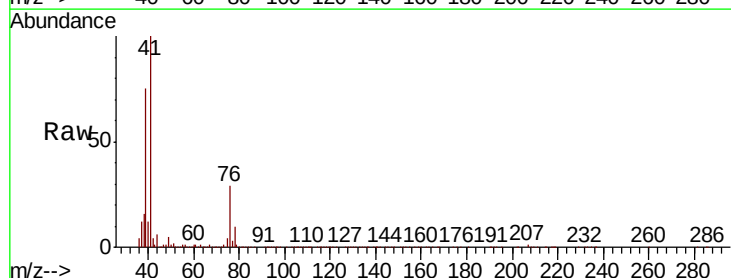
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

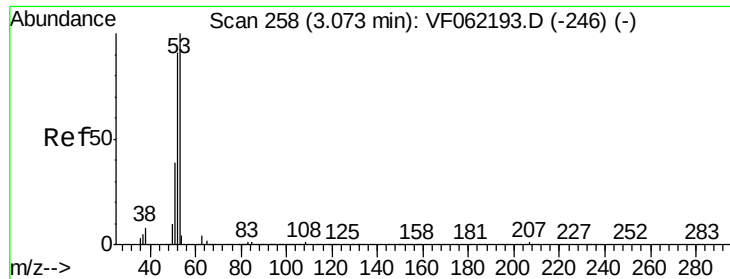
Tot Ion: 56 Resp: 61934
Ion Ratio Lower Upper
56 100
55 73.8 57.4 86.0



#14
Allyl chloride
Concen: 83.485 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion: 41 Resp: 758932
Ion Ratio Lower Upper
41 100
39 74.4 60.0 90.0
76 30.2 20.6 30.8

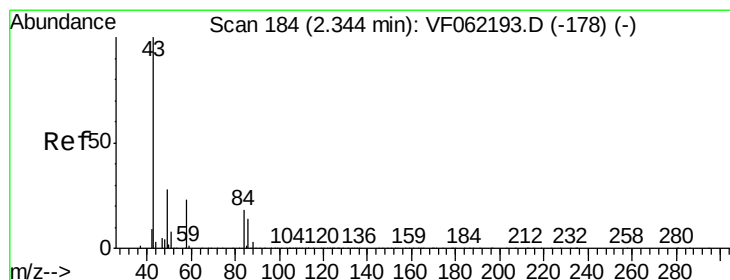
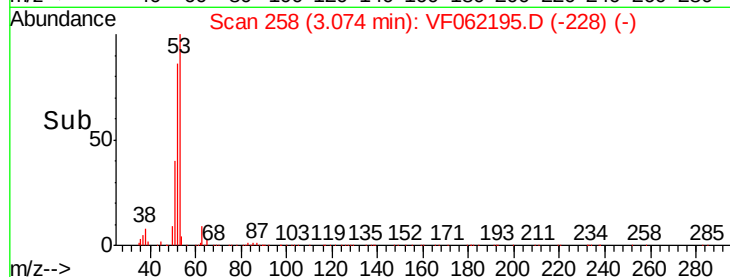
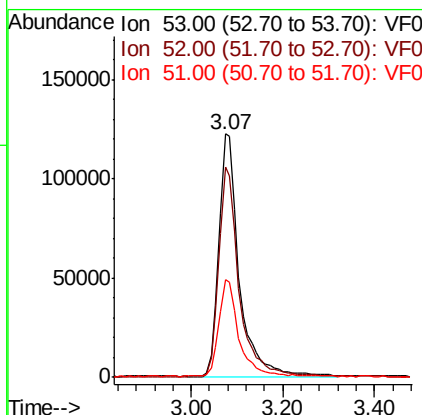
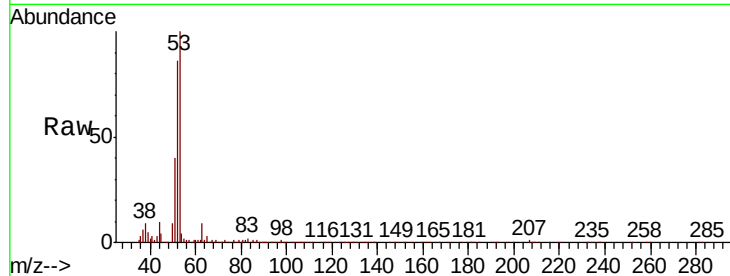




#15
 Acrylonitrile
 Concen: 127.546 ug/l
 RT: 3.07 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

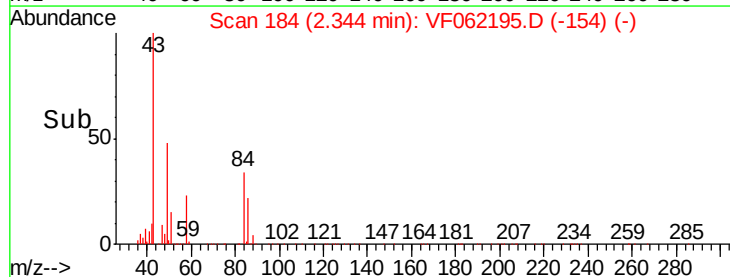
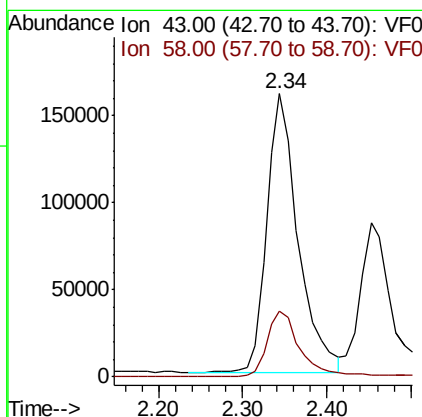
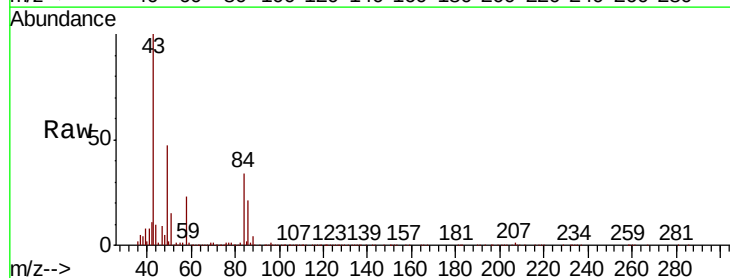
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

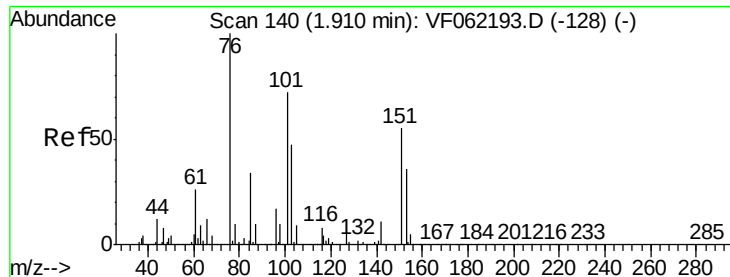
Tot Ion	53	Resp	375709
Ion	Ratio	Lower	Upper
53	100		
52	88.1	69.5	104.3
51	38.2	31.8	47.8



#16
 Acetone
 Concen: 152.657 ug/l
 RT: 2.34 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion	43	Resp	417234
Ion	Ratio	Lower	Upper
43	100		
58	23.3	18.8	28.2





#17

Carbon Disulfide

Concen: 76.143 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

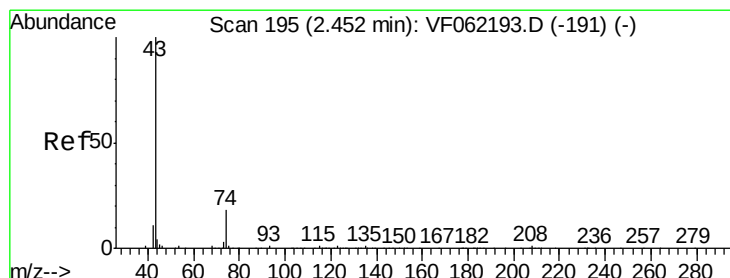
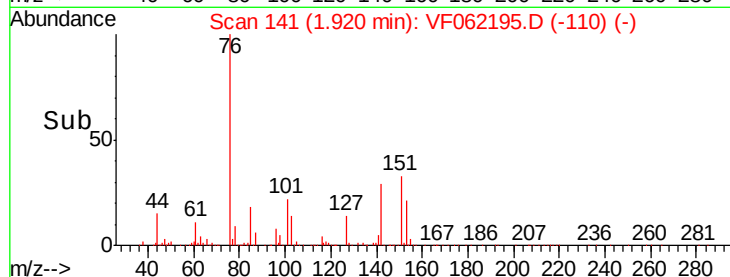
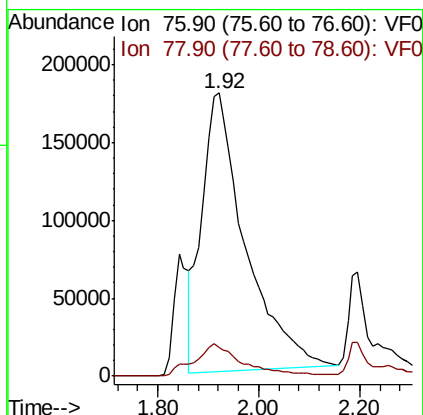
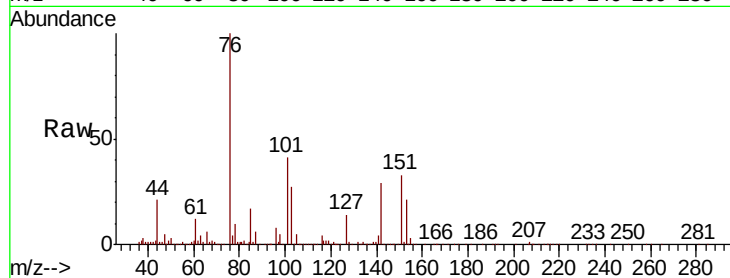
VSTDIC100

Tot Ion: 76 Resp: 1077421

Ion Ratio Lower Upper

76 100

78 9.9 8.7 13.1



#18

Methyl Acetate

Concen: 27.620 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF062195.D

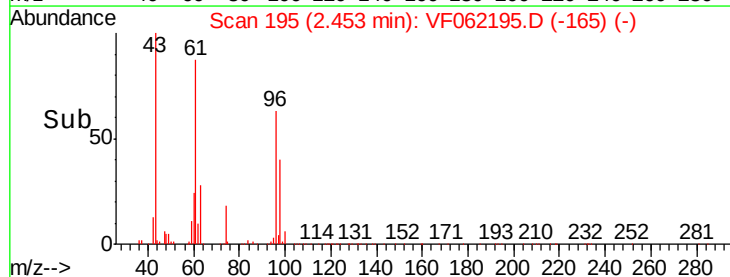
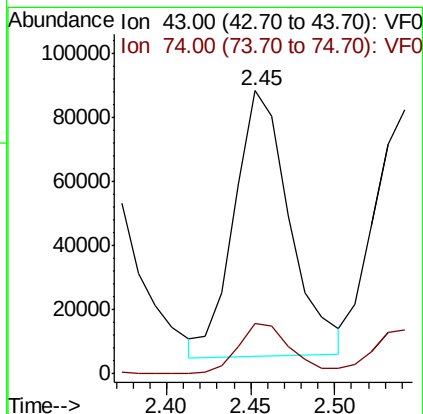
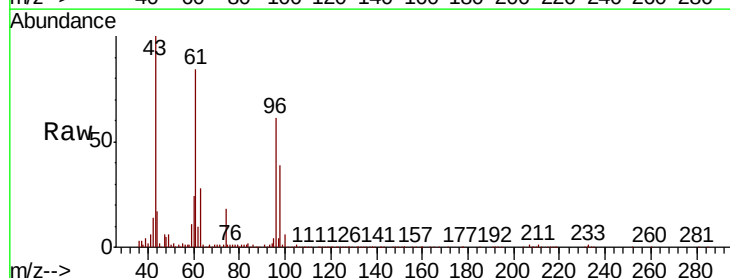
Acq: 17 Apr 2019 19:35

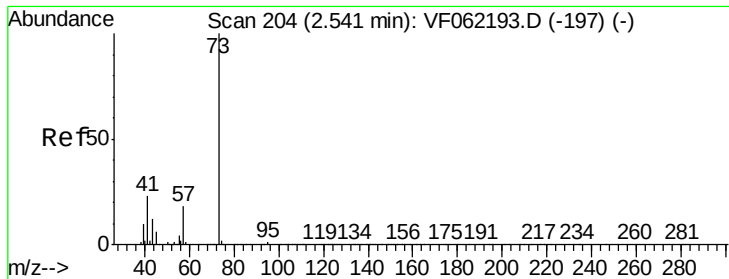
Tgt Ion: 43 Resp: 189706

Ion Ratio Lower Upper

43 100

74 17.6 14.5 21.7

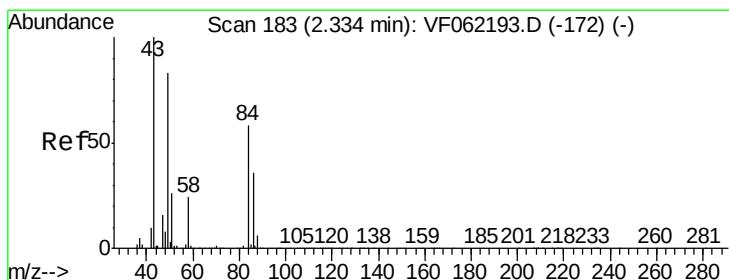
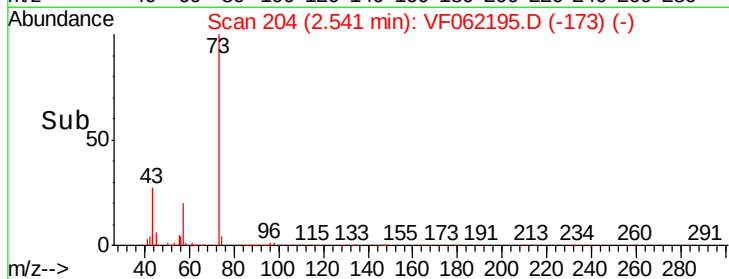
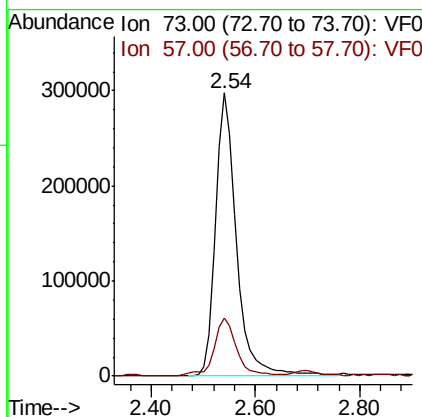
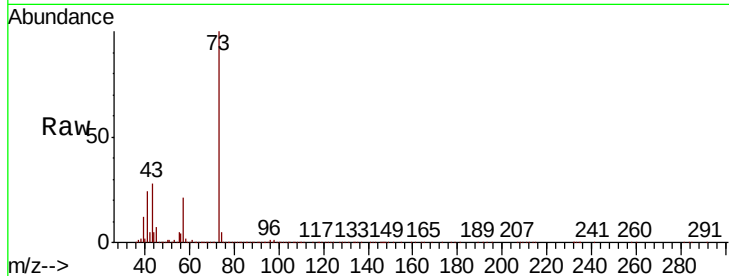




#19
Methyl tert-butyl Ether
Concen: 54.960 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

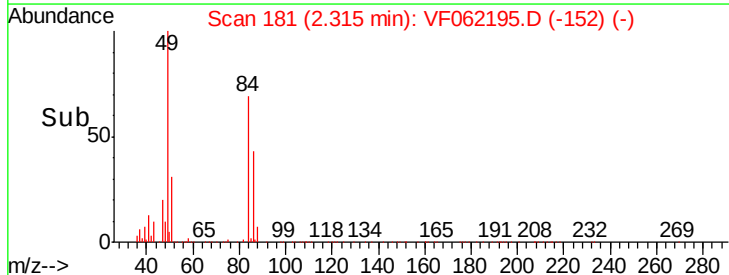
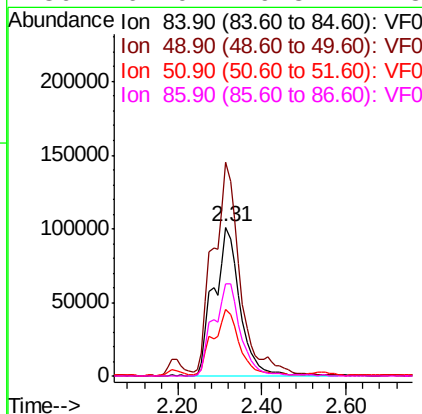
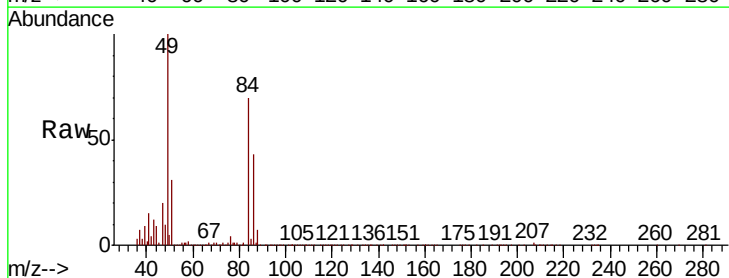
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

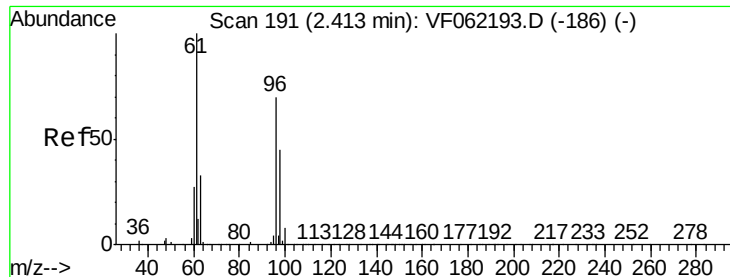
Tot Ion: 73 Resp: 818563
Ion Ratio Lower Upper
73 100
57 20.0 15.1 22.7



#20
Methylene Chloride
Concen: 81.914 ug/l
RT: 2.31 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion: 84 Resp: 430271
Ion Ratio Lower Upper
84 100
49 143.4 114.0 171.0
51 43.8 37.0 55.4
86 62.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 91.543 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

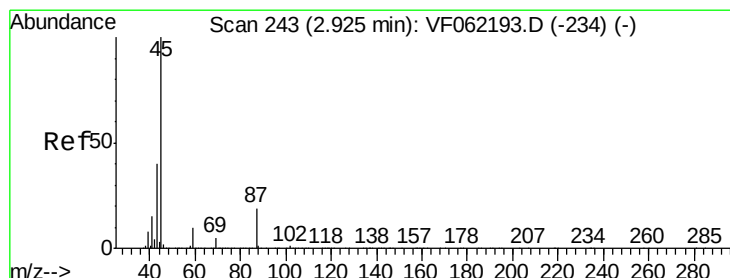
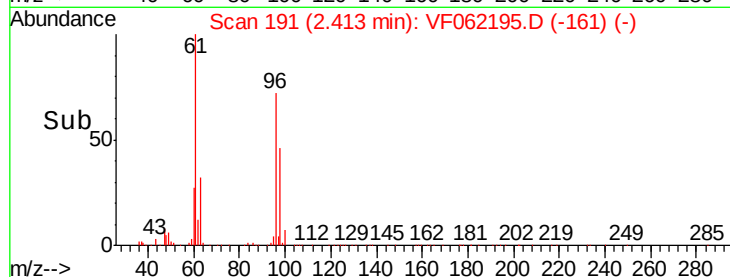
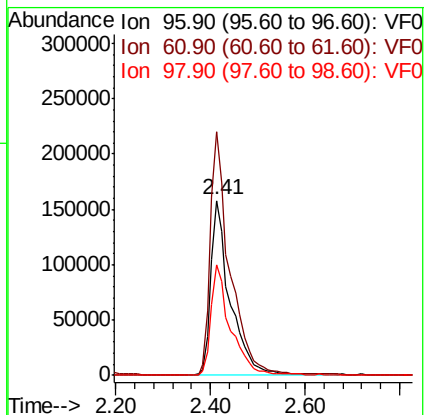
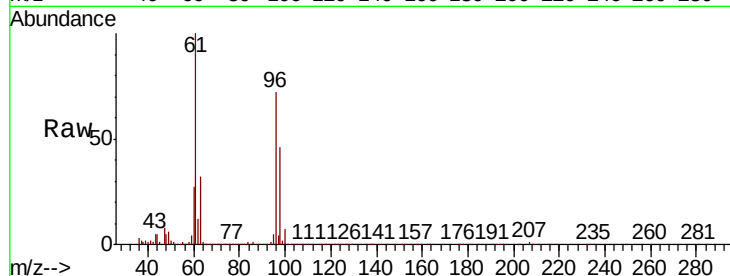
Tot Ion: 96 Resp: 443487

Ion Ratio Lower Upper

96 100

61 139.2 114.6 172.0

98 63.4 51.2 76.8



#22

Diisopropyl ether

Concen: 72.584 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Tgt Ion: 45 Resp: 1330775

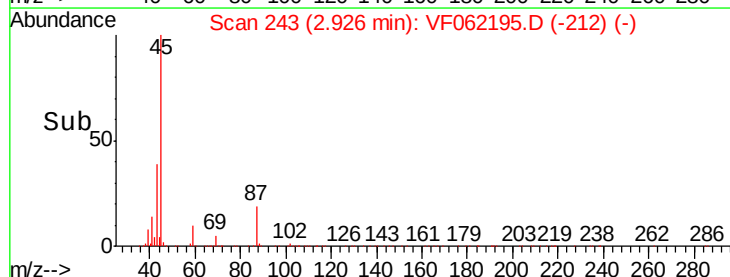
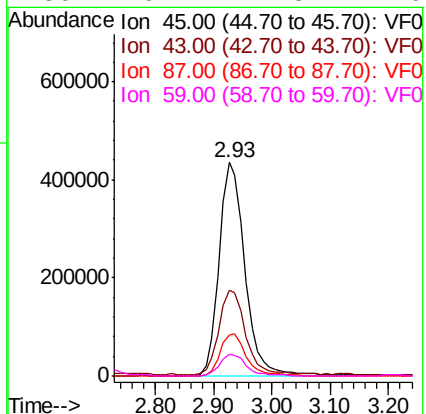
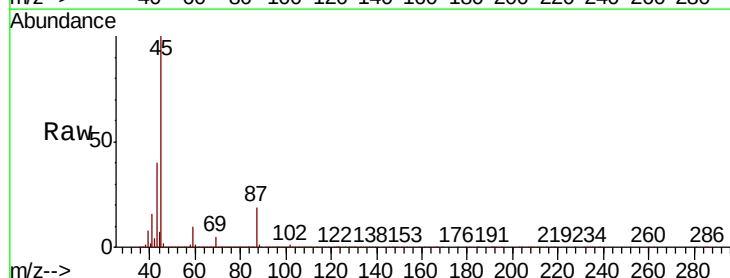
Ion Ratio Lower Upper

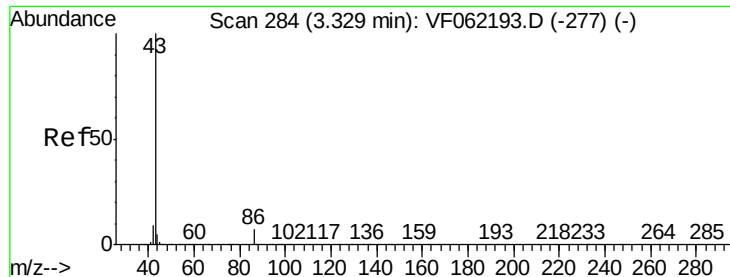
45 100

43 39.5 32.8 49.2

87 19.2 15.2 22.8

59 10.2 7.8 11.6





#23

Vinyl Acetate

Concen: 205.776 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

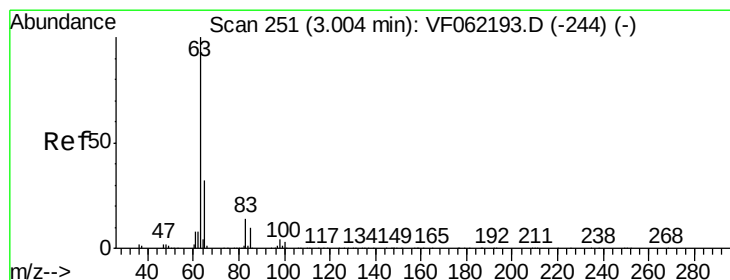
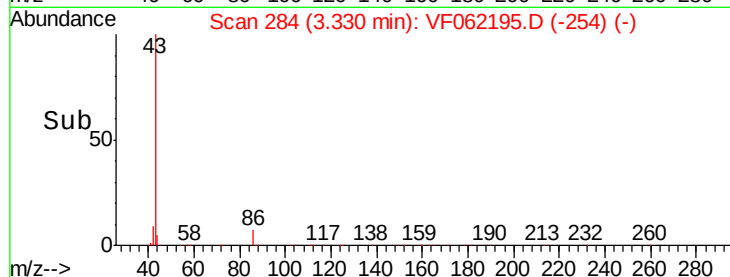
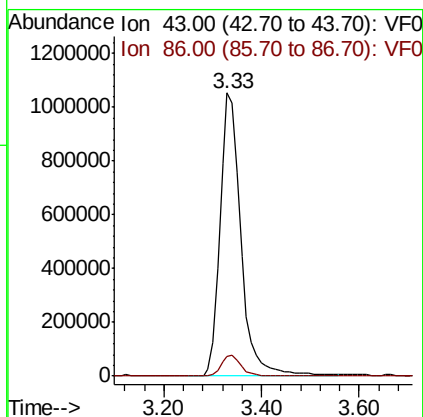
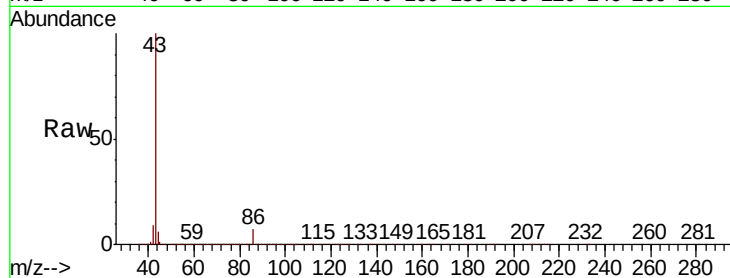
VSTDIC100

Tot Ion: 43 Resp: 3127269

Ion Ratio Lower Upper

43 100

86 7.1 5.9 8.9



#24

1,1-Dichloroethane

Concen: 80.125 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

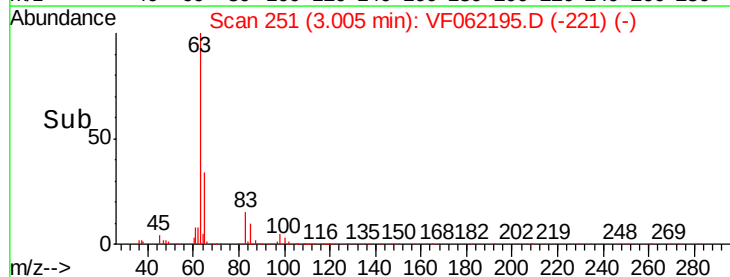
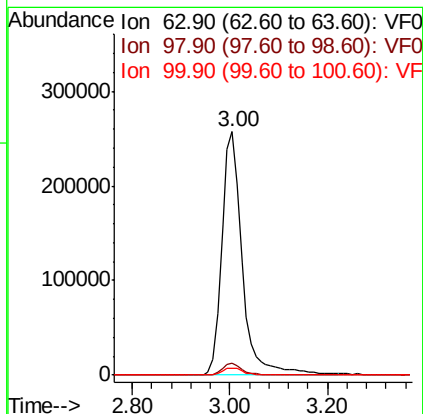
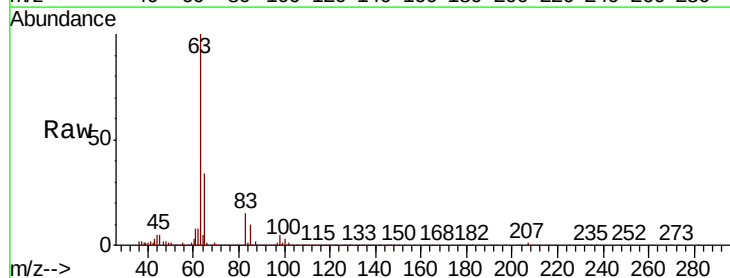
Tgt Ion: 63 Resp: 744544

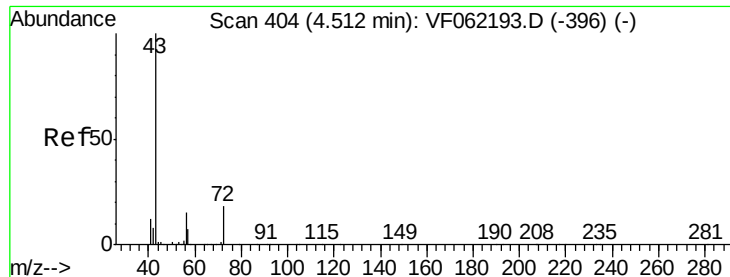
Ion Ratio Lower Upper

63 100

98 5.0 2.3 6.8

100 3.0 1.7 5.0





#25

2-Butanone

Concen: 198.309 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

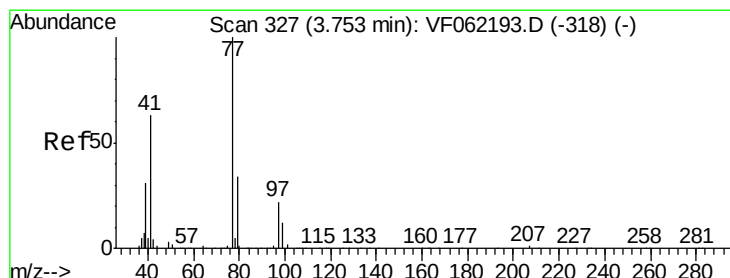
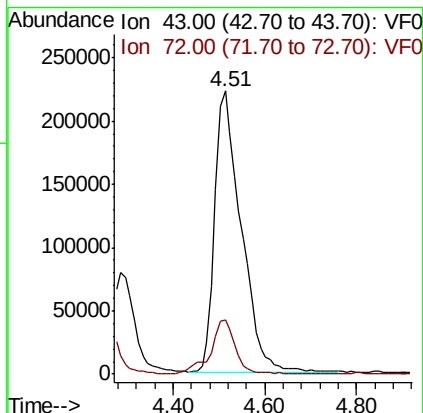
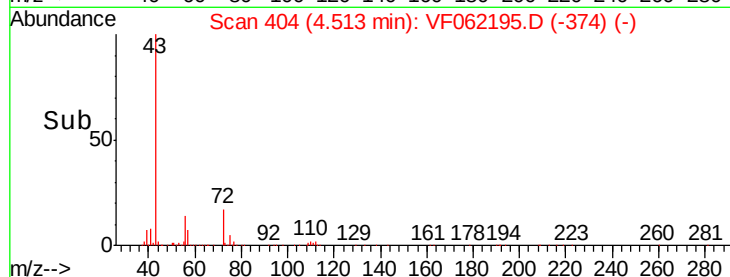
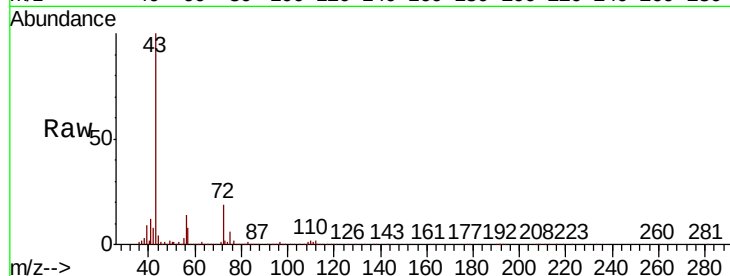
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 876173

Ion Ratio Lower Upper

43 100

72 19.1 16.1 24.1



#26

2,2-Dichloropropane

Concen: 54.755 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF062195.D

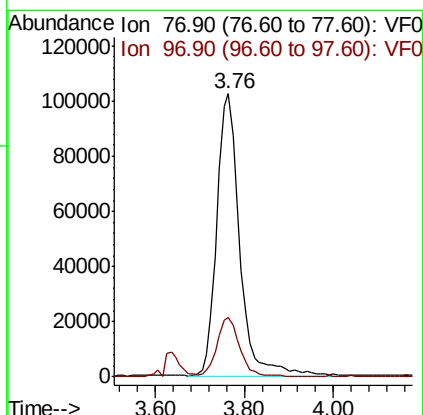
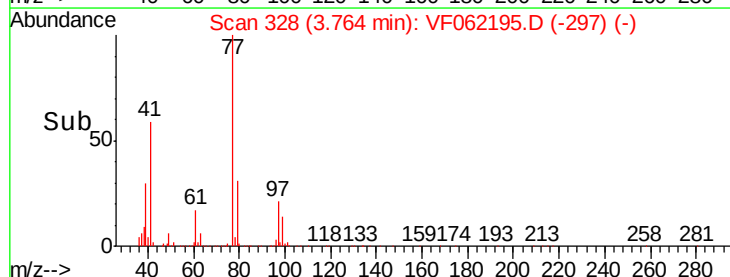
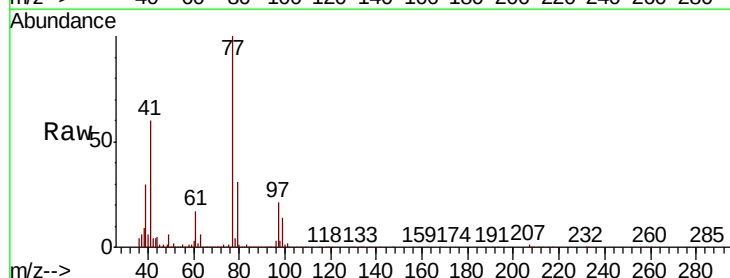
Acq: 17 Apr 2019 19:35

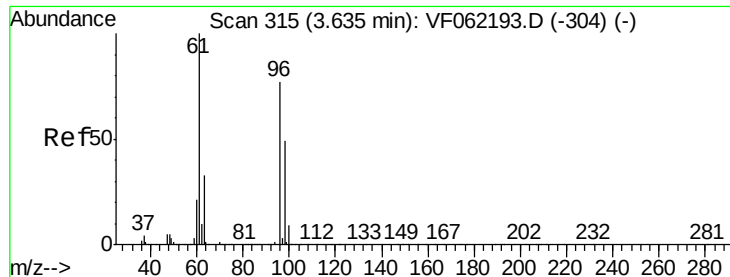
Tgt Ion: 77 Resp: 364267

Ion Ratio Lower Upper

77 100

97 20.7 11.1 33.3



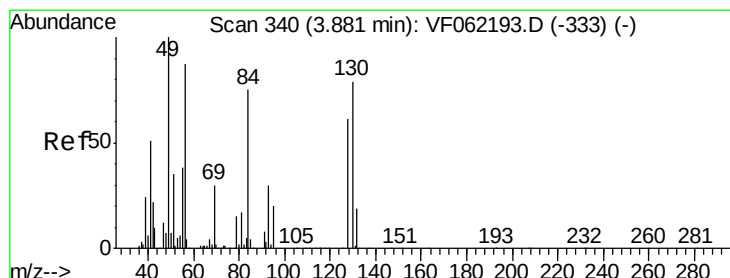
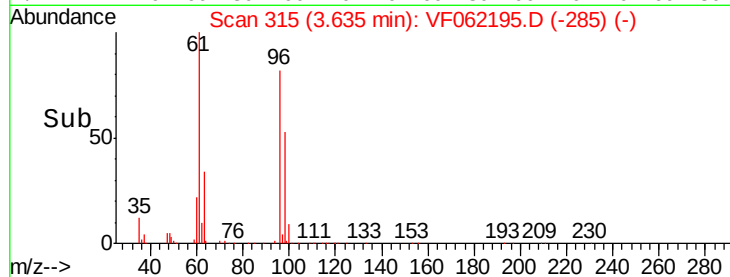
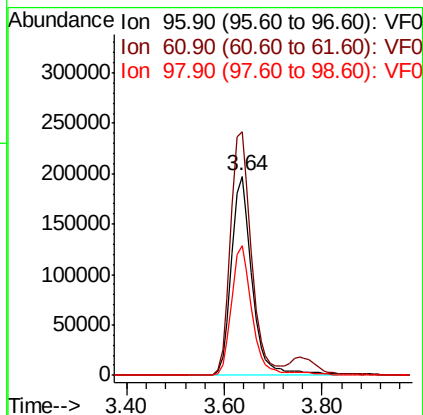
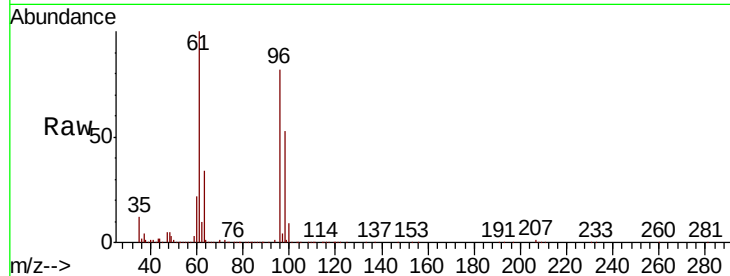


#27

cis-1,2-Dichloroethene
 Concen: 103.344 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

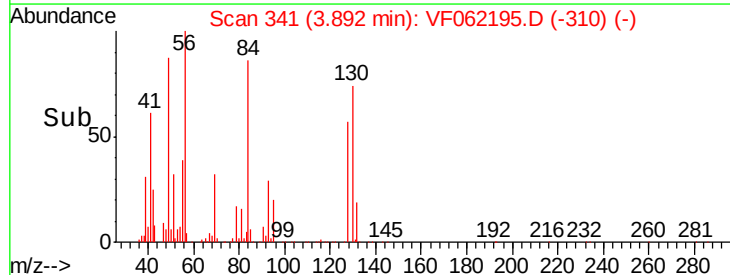
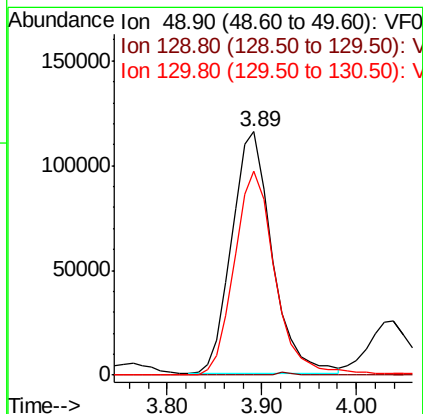
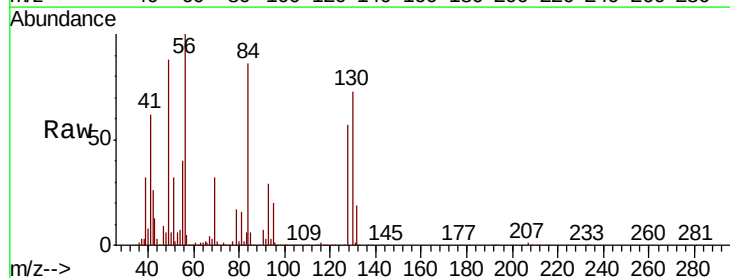
Tot Ion	96	Resp	582255
Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	253.6
98	64.1	0.0	124.8

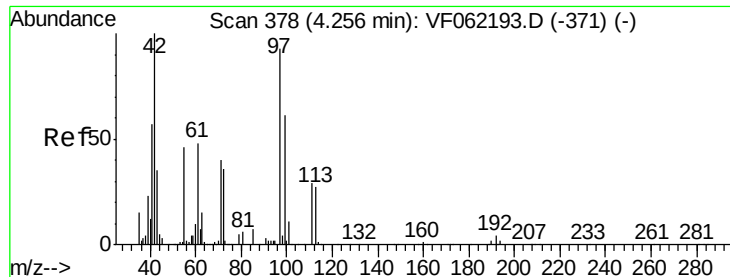


#28

Bromochloromethane
 Concen: 78.837 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion	49	Resp	342519
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	86.2	66.6	100.0





#29

Tetrahydrofuran

Concen: 135.117 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

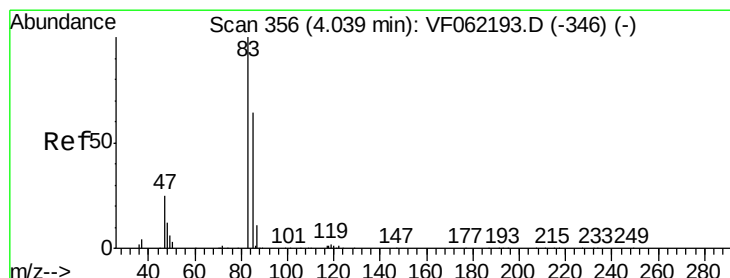
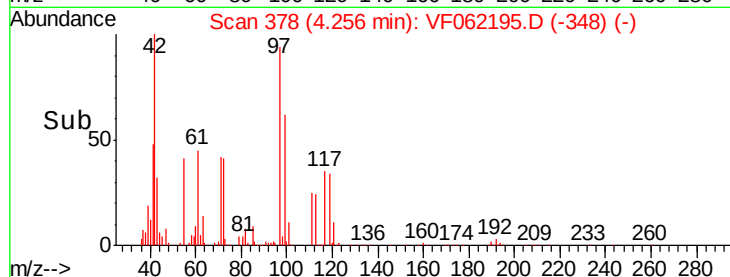
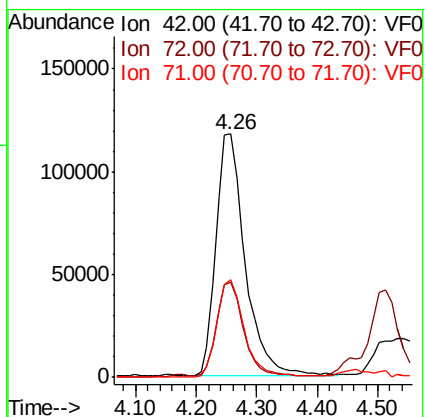
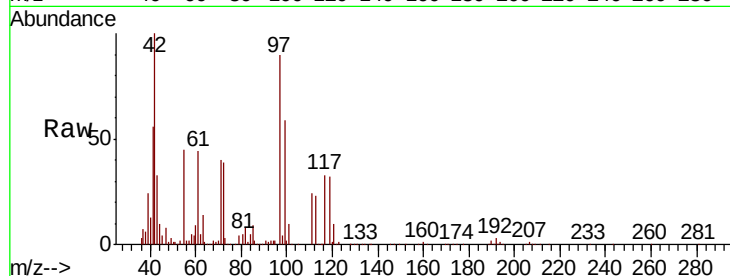
Tot Ion: 42 Resp: 392962

Ion Ratio Lower Upper

42 100

72 36.1 28.6 43.0

71 38.7 29.2 43.8



#30

Chloroform

Concen: 100.655 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.00 min

Lab File: VF062195.D

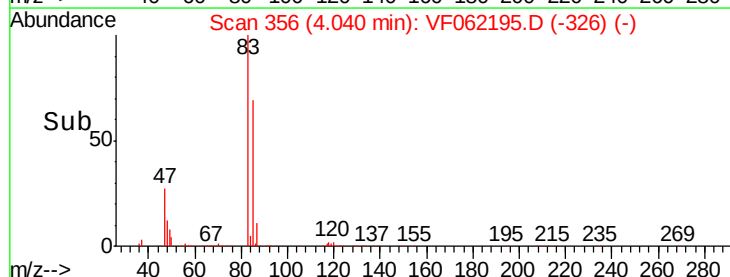
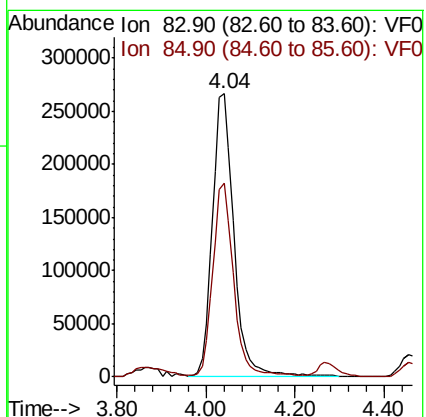
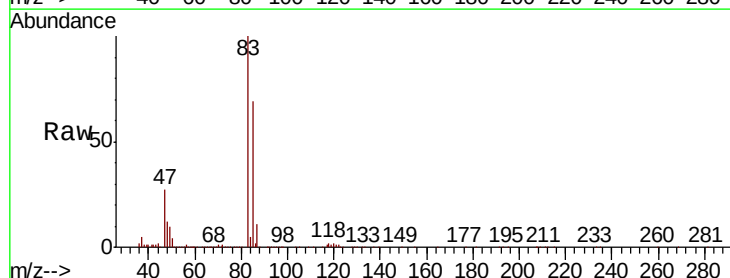
Acq: 17 Apr 2019 19:35

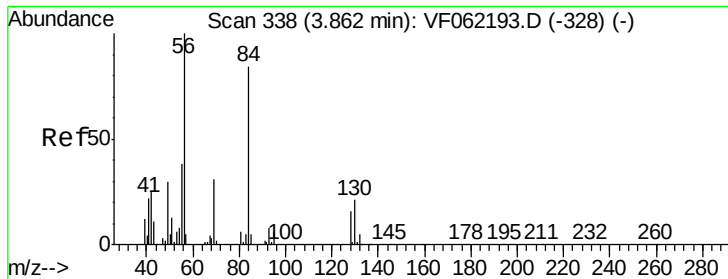
Tgt Ion: 83 Resp: 882979

Ion Ratio Lower Upper

83 100

85 68.5 51.8 77.8

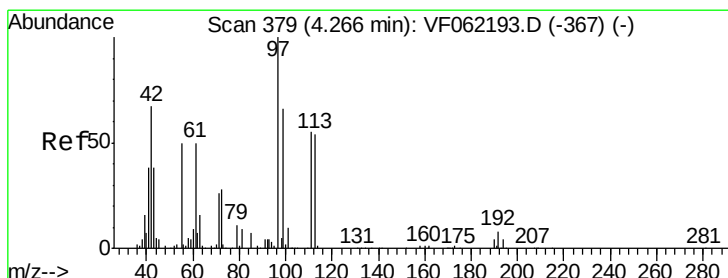
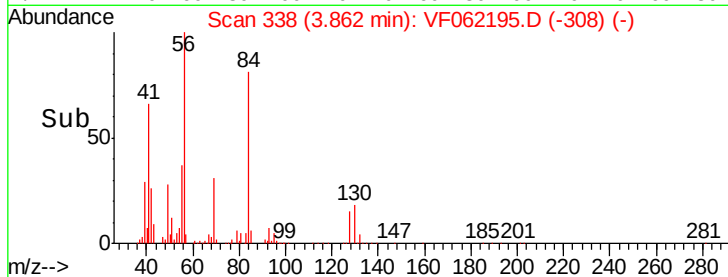
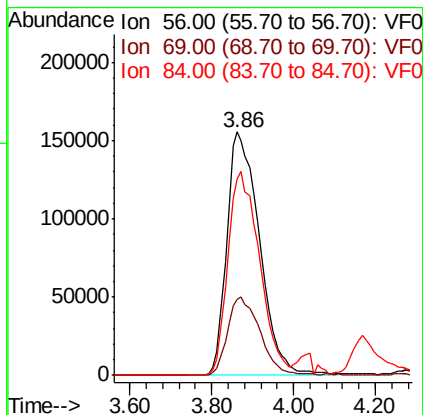
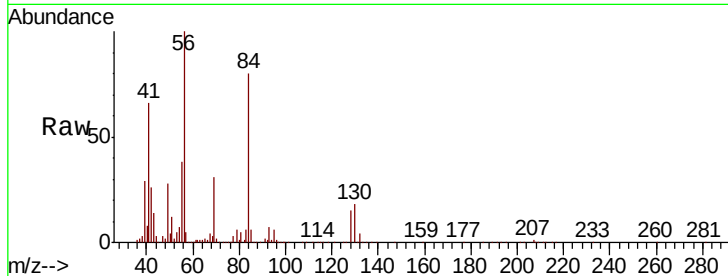




#31
Cyclohexane
Concen: 91.014 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

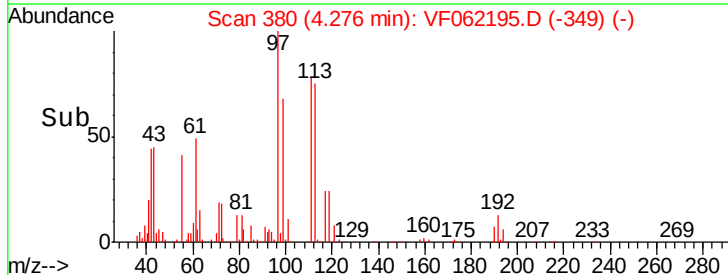
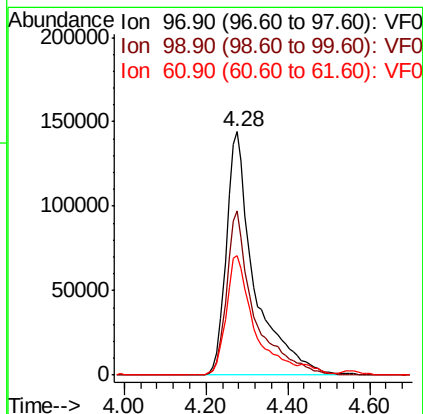
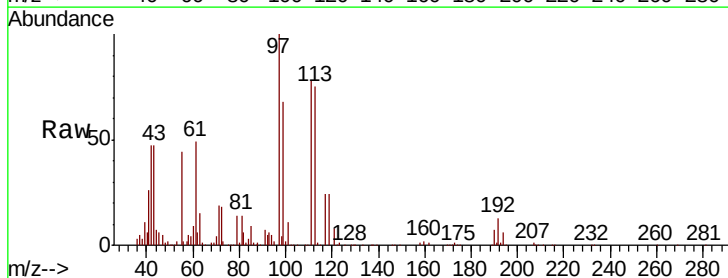
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

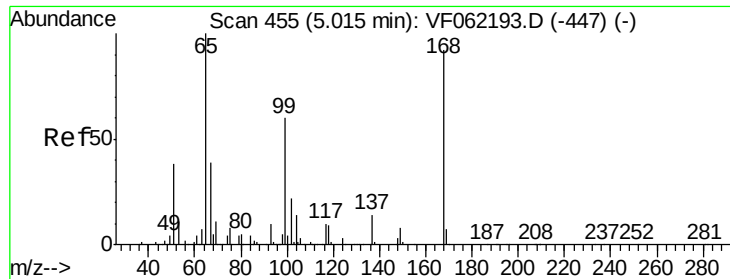
Tot Ion: 56 Resp: 857633
Ion Ratio Lower Upper
56 100
69 31.1 25.1 37.7
84 80.5 67.8 101.6



#32
1,1,1-Trichloroethane
Concen: 99.753 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion: 97 Resp: 685018
Ion Ratio Lower Upper
97 100
99 65.6 52.7 79.1
61 48.7 53.0 79.4#

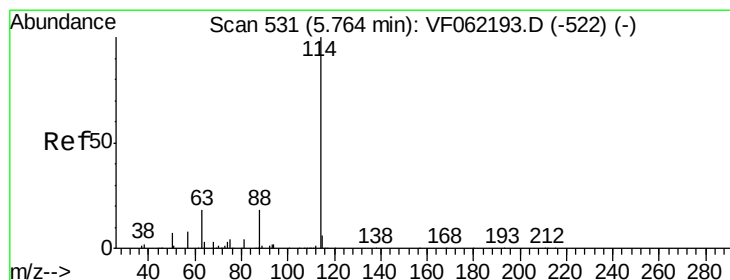
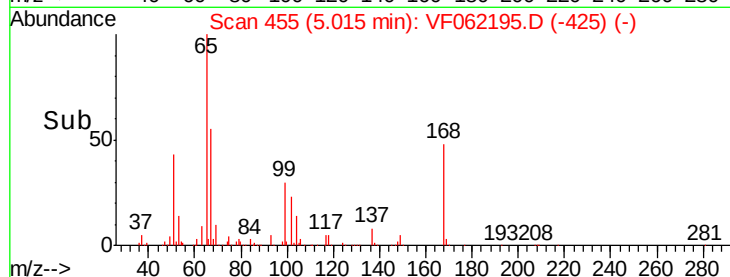
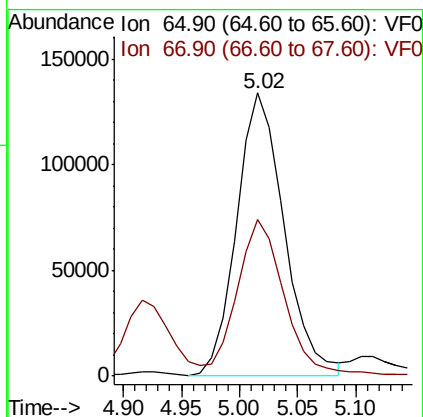
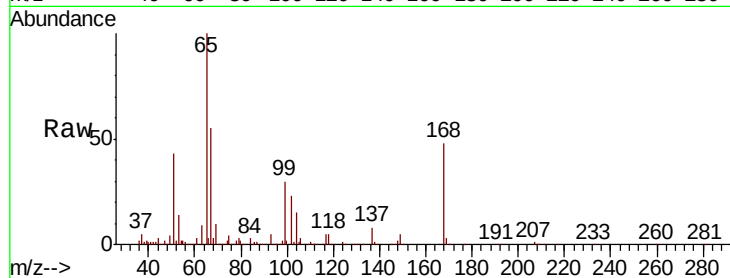




#33
 1,2-Dichloroethane-d4
 Concen: 66.985 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

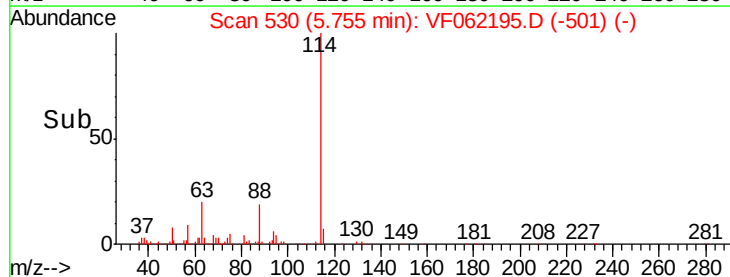
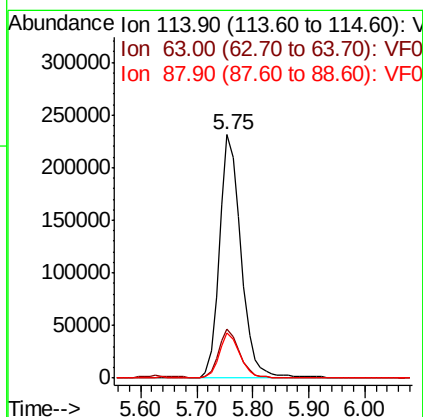
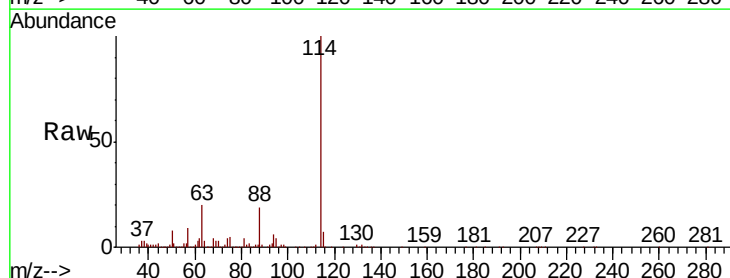
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

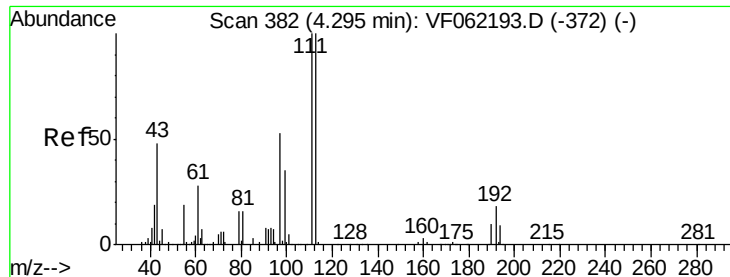
Tot Ion: 65 Resp: 376010
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion: 114 Resp: 622444
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 36.6
 88 18.7 0.0 35.8

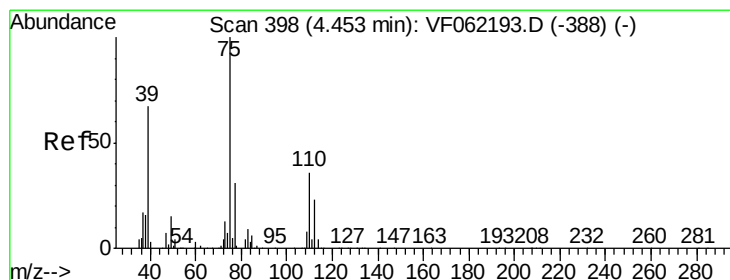
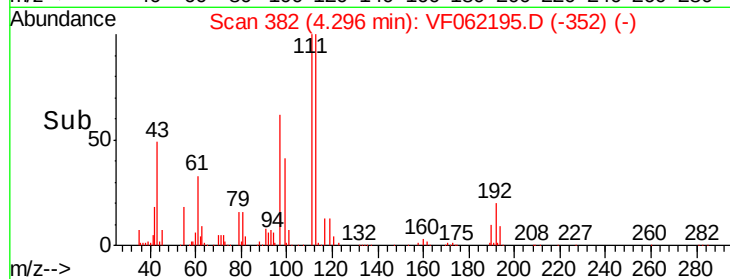
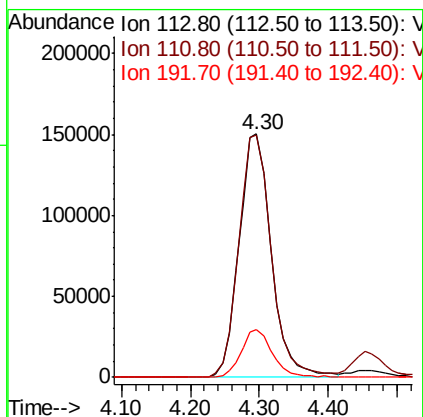
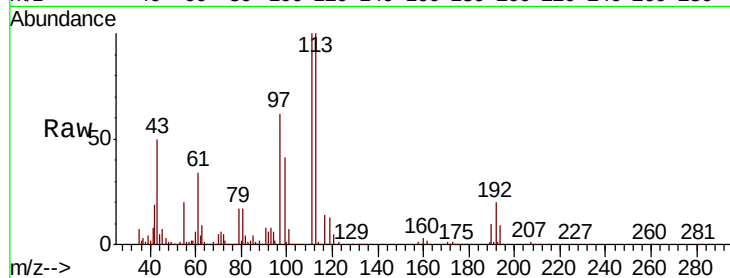




#35
 Dibromofluoromethane
 Concen: 114.556 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

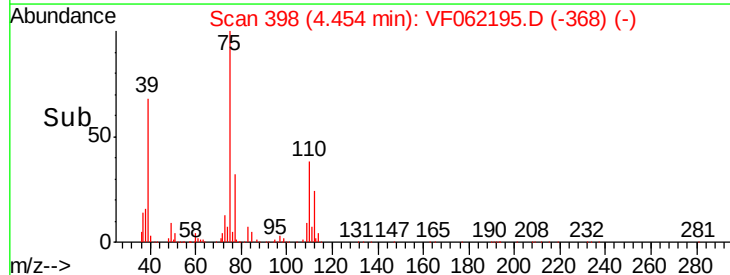
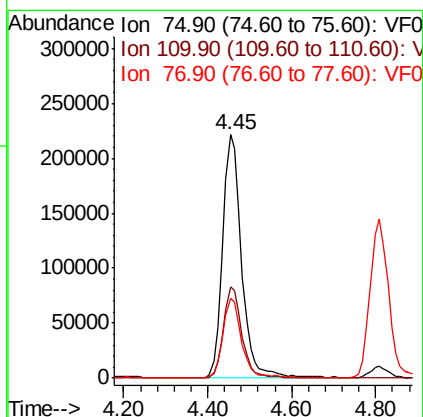
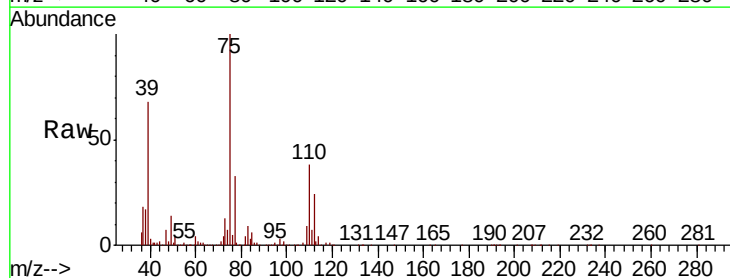
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

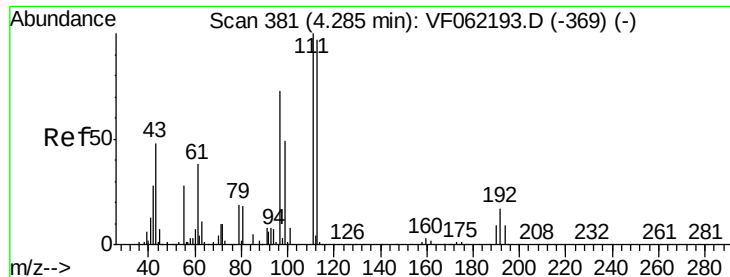
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.1	121.7
192	19.3	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 104.259 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.4	55.2
77	32.0	25.4	38.2

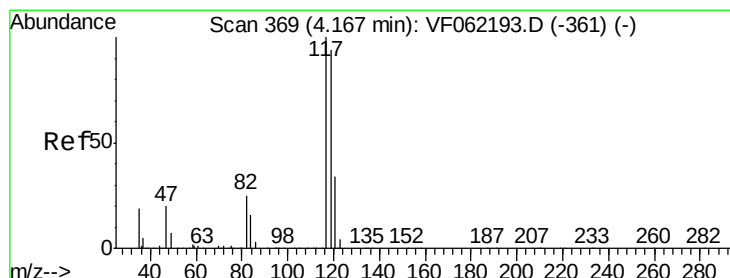
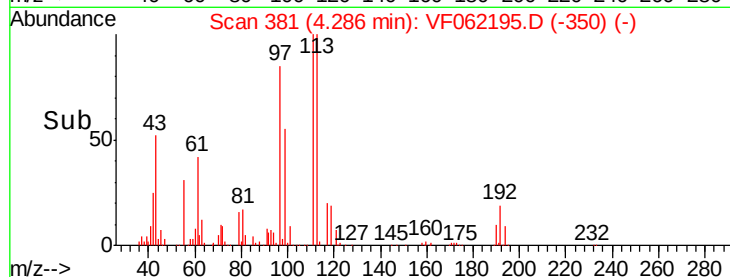
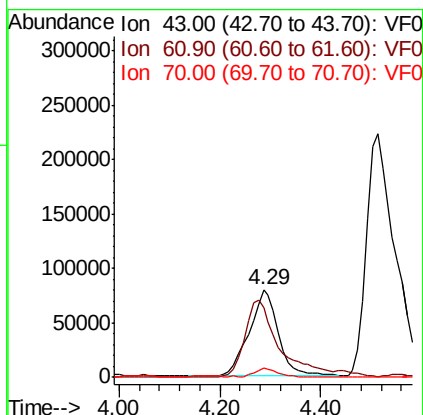
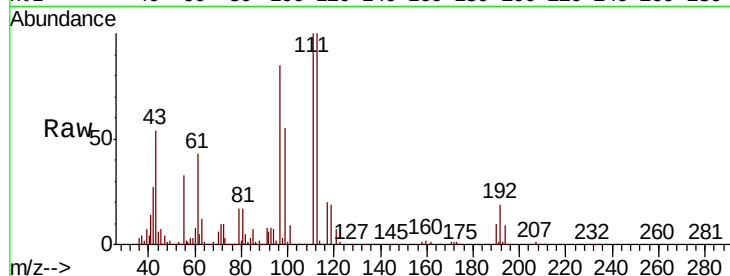




#37
Ethyl Acetate
Concen: 42.934 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

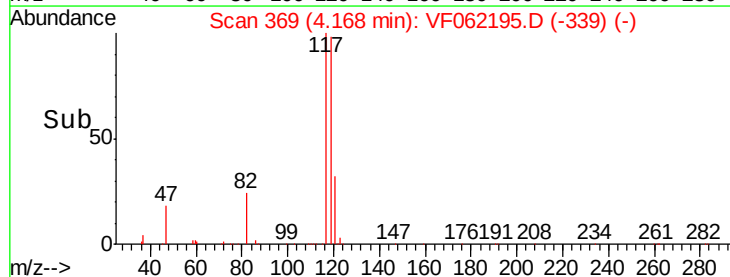
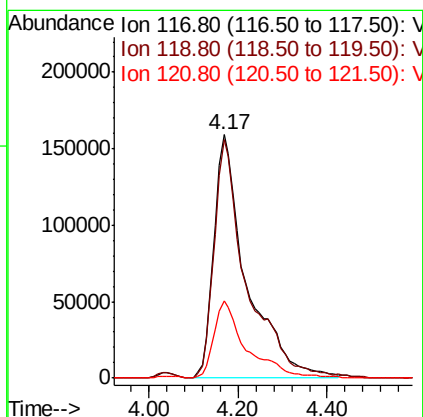
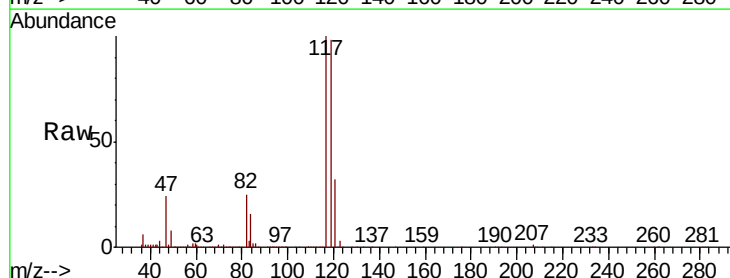
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

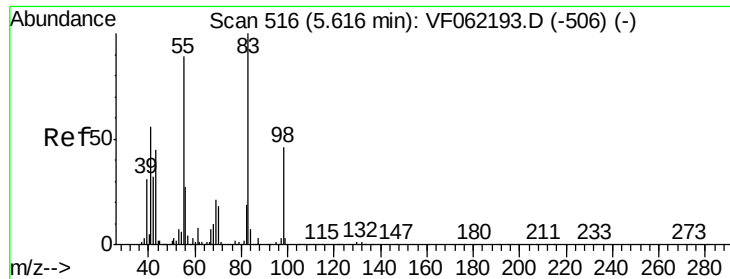
Tot Ion: 43 Resp: 320448
Ion Ratio Lower Upper
43 100
61 104.2 0.0 0.0#
70 8.9 7.8 11.6



#38
Carbon Tetrachloride
Concen: 144.952 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion: 117 Resp: 808231
Ion Ratio Lower Upper
117 100
119 97.7 75.0 112.4
121 31.4 26.9 40.3

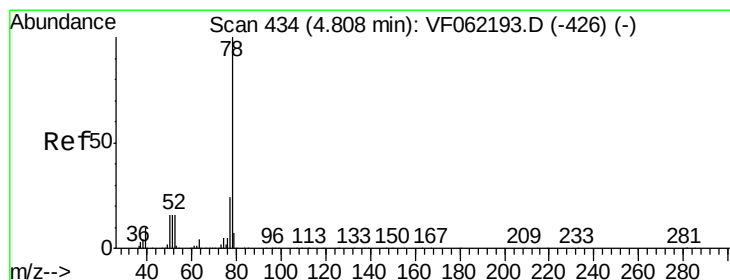
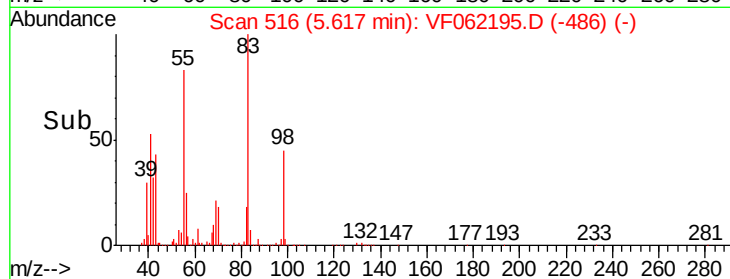
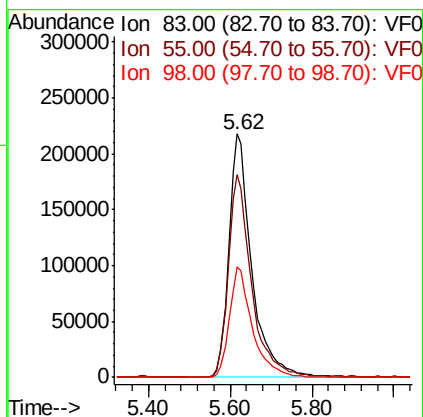
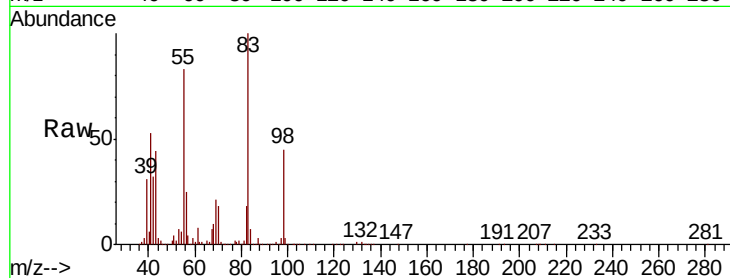




#39
Methylvlcyclohexane
Concen: 104.227 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

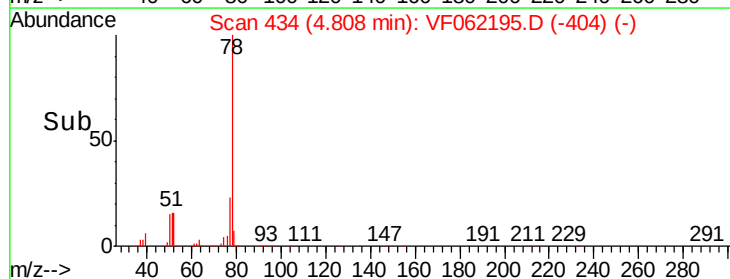
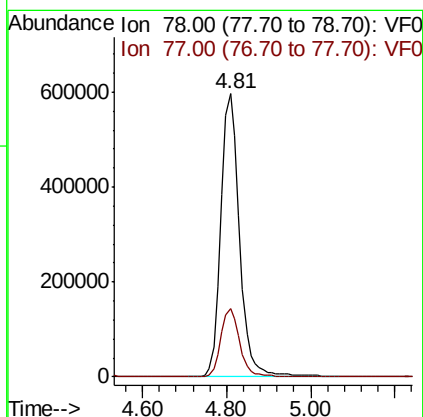
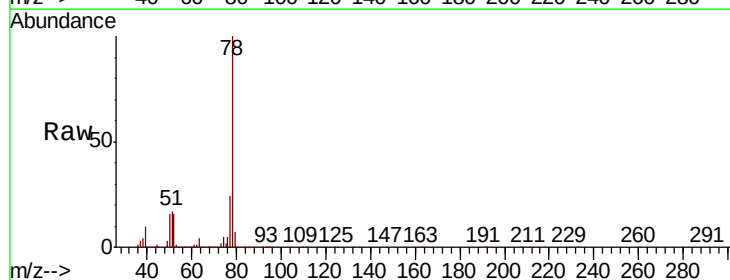
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

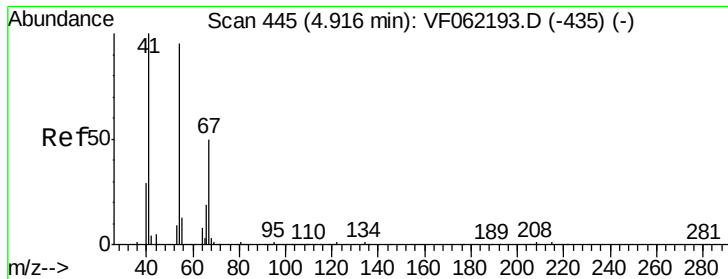
Tot Ion	83	Resp	839896
Ion	Ratio	Lower	Upper
83	100		
55	83.2	71.0	106.6
98	45.3	36.7	55.1



#40
Benzene
Concen: 95.824 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion	78	Resp	1833806
Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.9	28.3





#41

Methacrylonitrile

Concen: 43.713 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

Tot Ion: 41 Resp: 188661

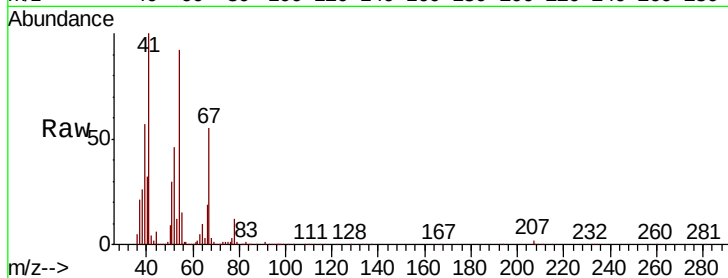
Ion Ratio Lower Upper

41 100

39 64.9 44.7 67.1

67 53.0 39.1 58.7

52 65.1 49.8 74.8

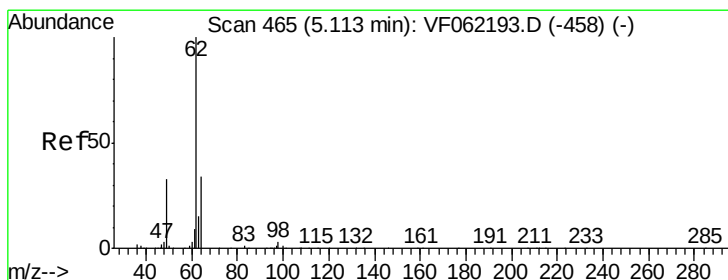
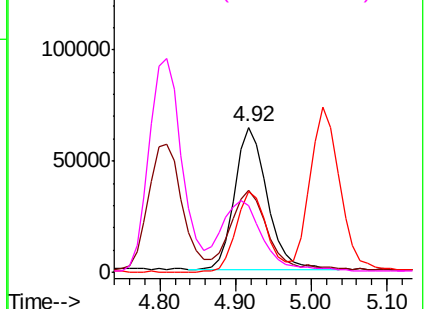
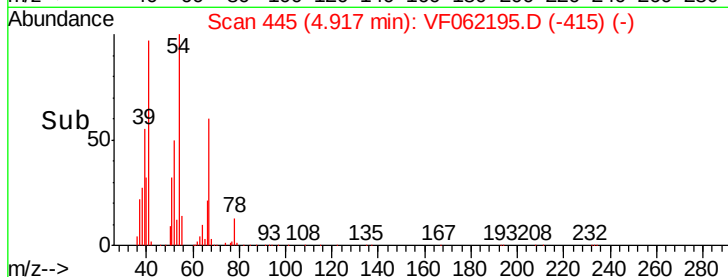


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 78.965 ug/l

RT: 5.11 min Scan# 465

Delta R.T. 0.00 min

Lab File: VF062195.D

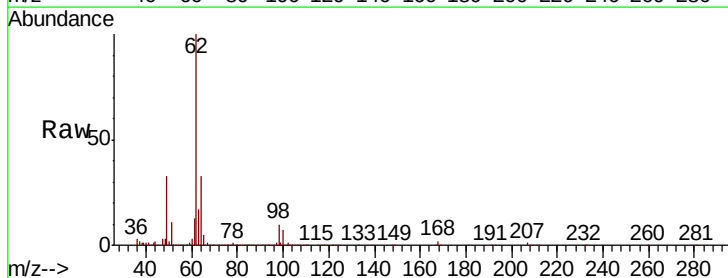
Acq: 17 Apr 2019 19:35

Tgt Ion: 62 Resp: 514463

Ion Ratio Lower Upper

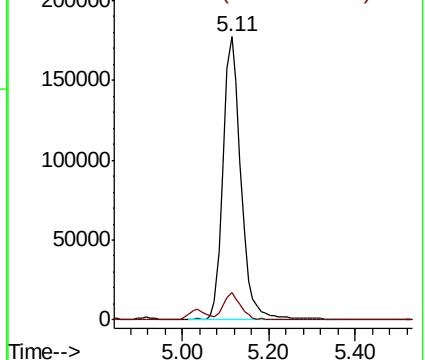
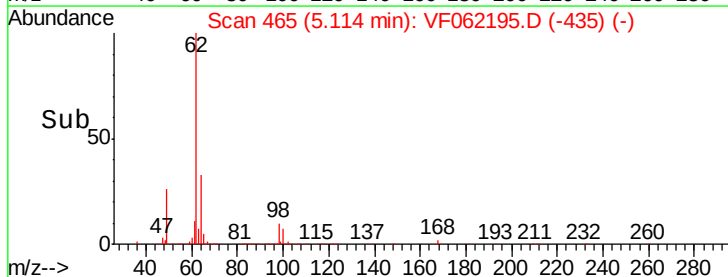
62 100

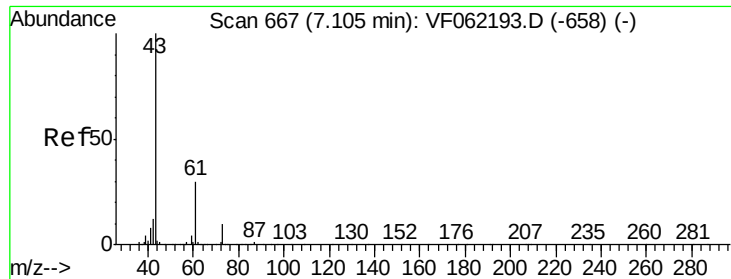
98 8.9 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 32.941 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.01 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

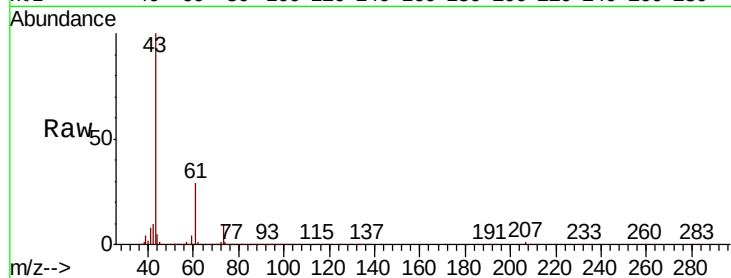
Tot Ion: 43 Resp: 387351

Ion Ratio Lower Upper

43 100

61 29.8 24.4 36.6

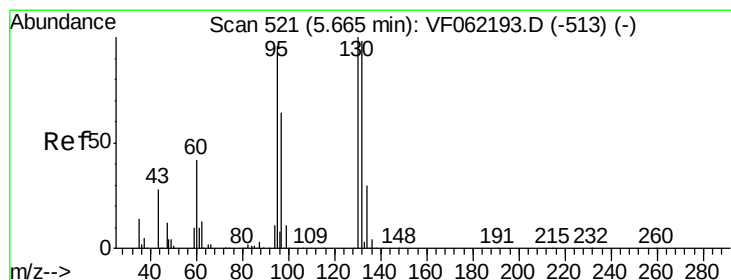
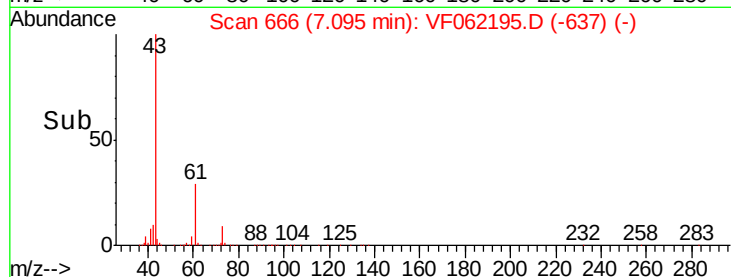
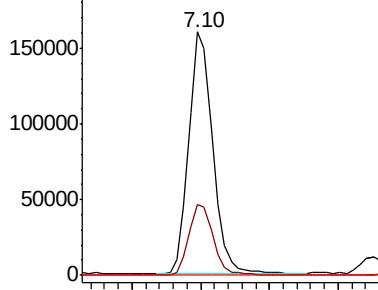
87 0.4 0.4 0.6



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: 101.715 ug/l

RT: 5.67 min Scan# 521

Delta R.T. 0.00 min

Lab File: VF062195.D

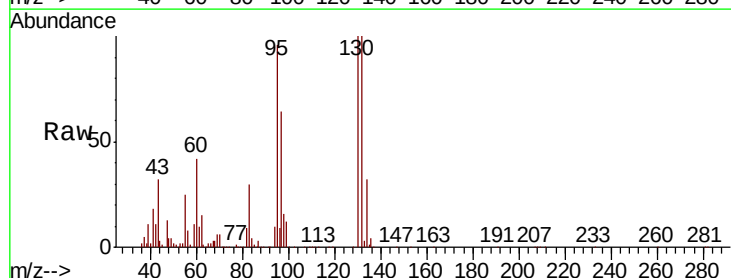
Acq: 17 Apr 2019 19:35

Tgt Ion:130 Resp: 488314

Ion Ratio Lower Upper

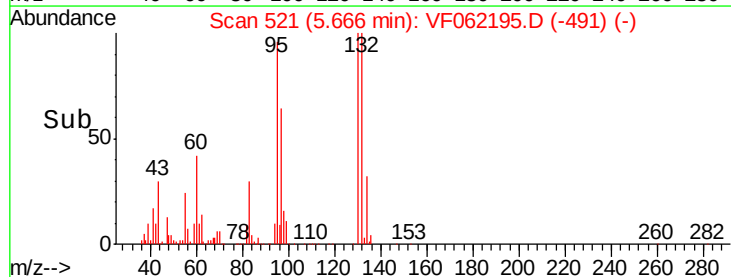
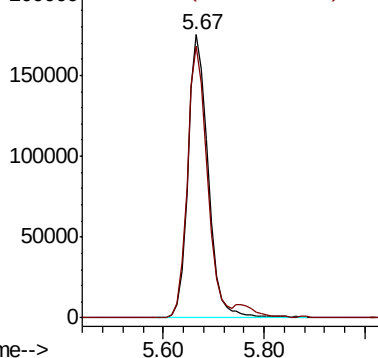
130 100

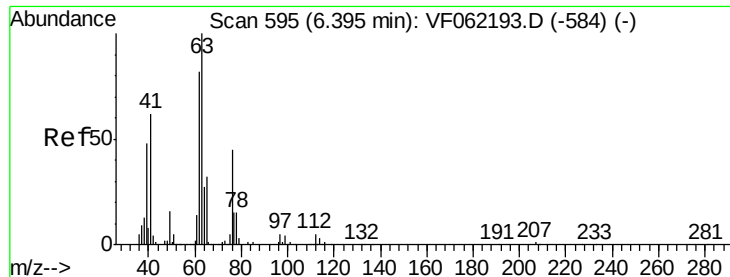
95 96.2 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0

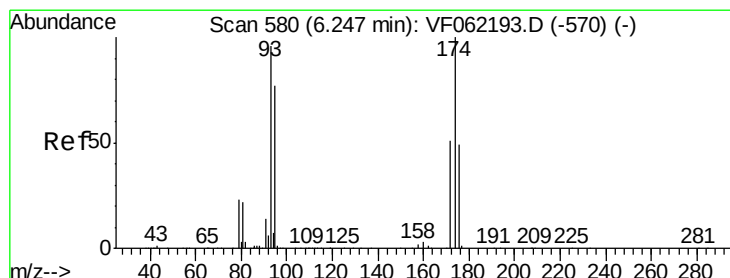
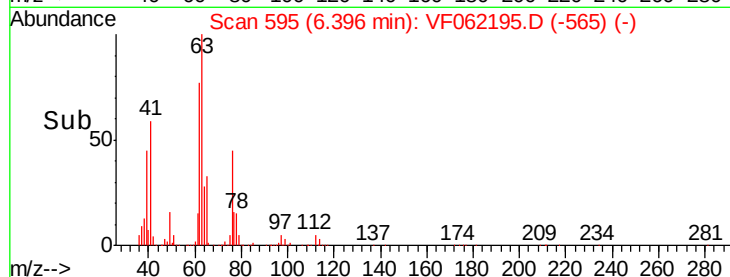
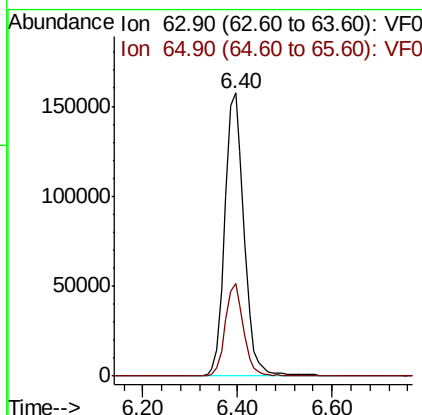
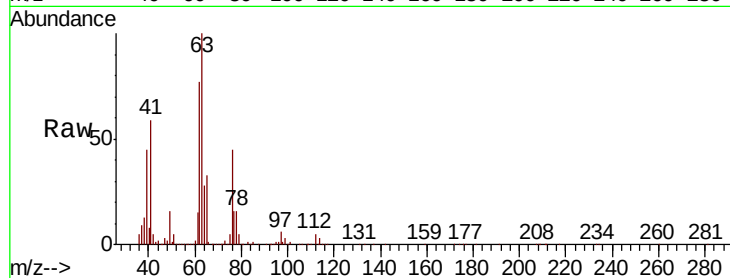




#45
1,2-Dichloropropane
Concen: 86.694 ug/l
RT: 6.40 min Scan# 595
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

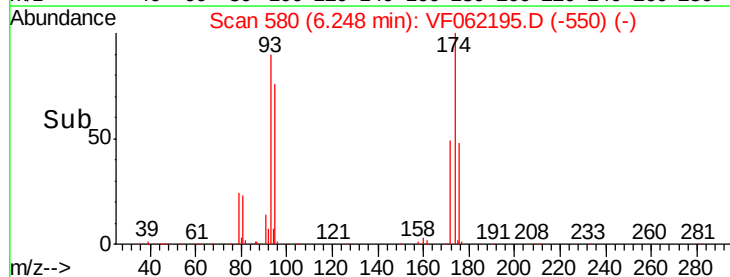
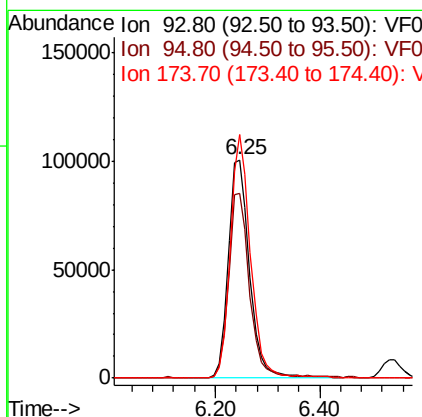
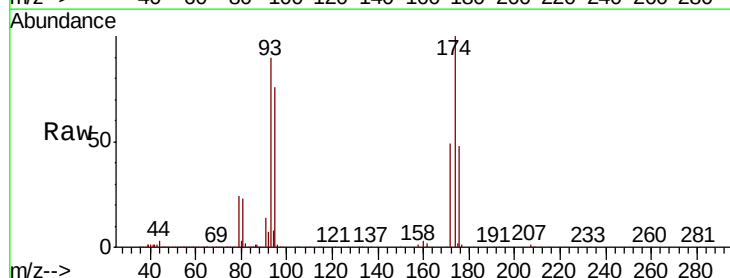
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

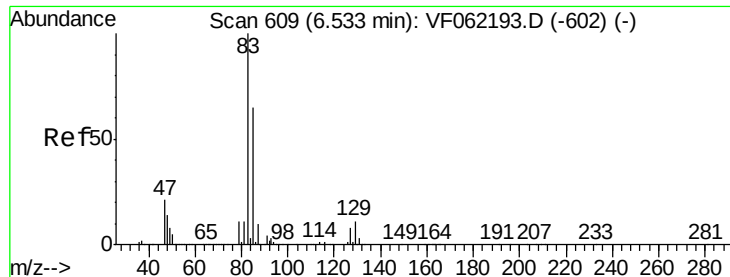
Tot Ion: 63 Resp: 443627
Ion Ratio Lower Upper
63 100
65 32.5 25.9 38.9



#46
Dibromomethane
Concen: 91.752 ug/l
RT: 6.25 min Scan# 580
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion: 93 Resp: 281427
Ion Ratio Lower Upper
93 100
95 81.3 65.1 97.7
174 105.8 81.8 122.6





#47

Bromodichloromethane

Concen: 104.690 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

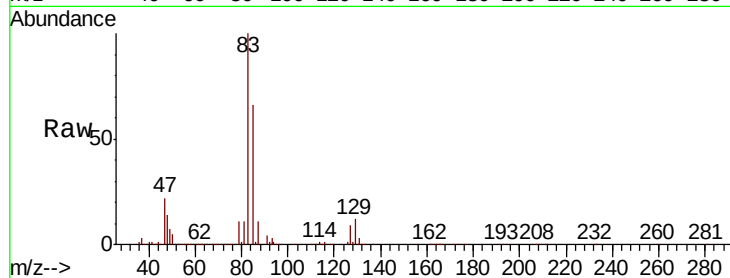
Tot Ion: 83 Resp: 637374

Ion Ratio Lower Upper

83 100

85 65.7 52.2 78.4

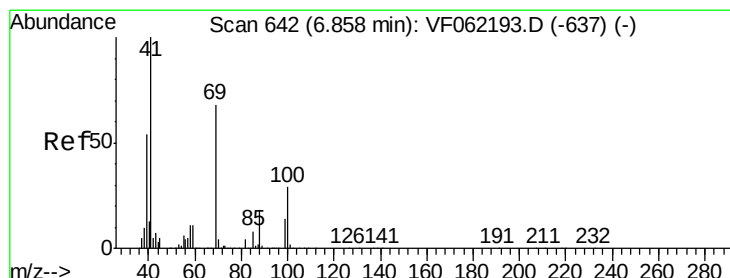
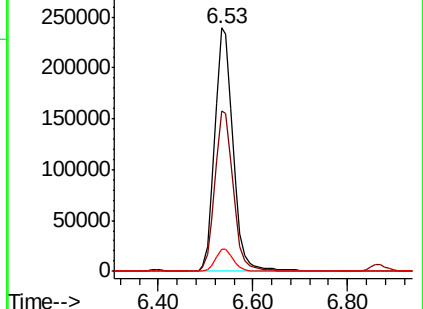
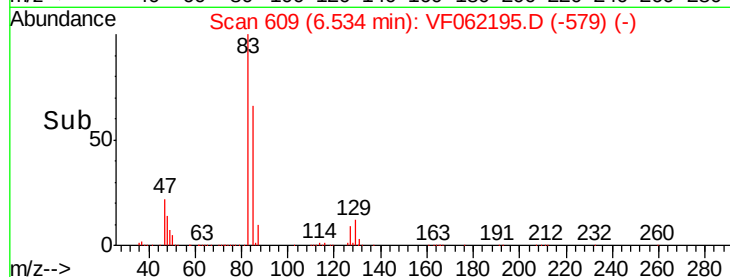
127 9.3 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 41.321 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

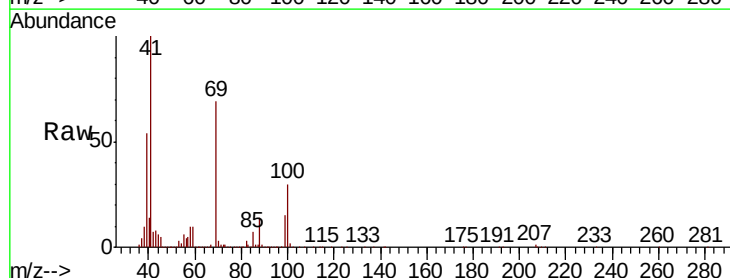
Tgt Ion: 41 Resp: 243796

Ion Ratio Lower Upper

41 100

69 70.9 54.9 82.3

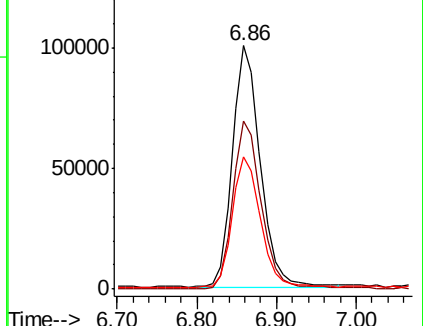
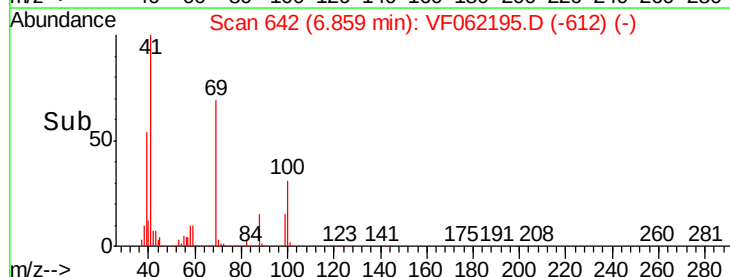
39 55.5 43.6 65.4

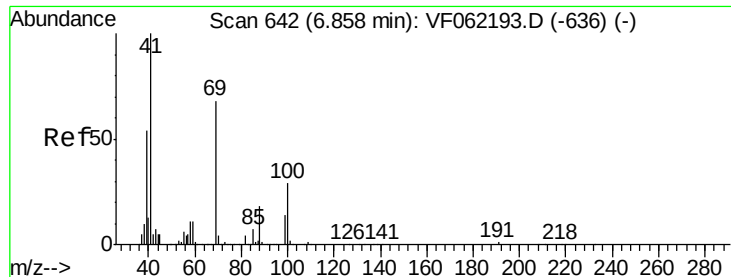


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

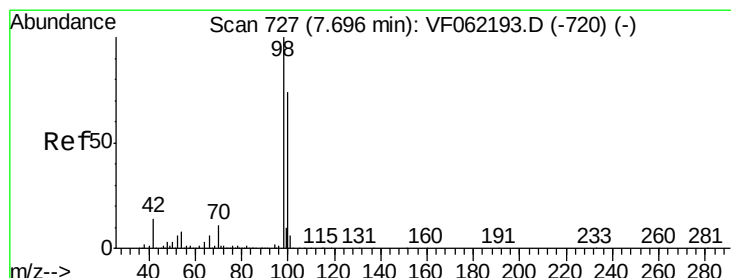
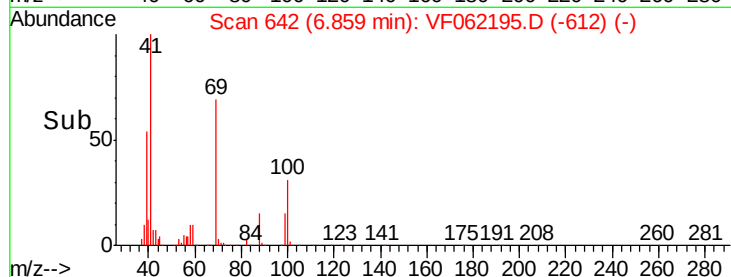
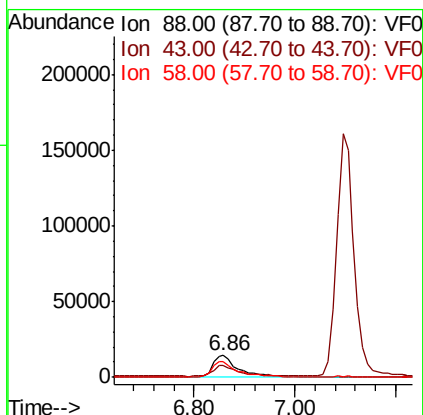
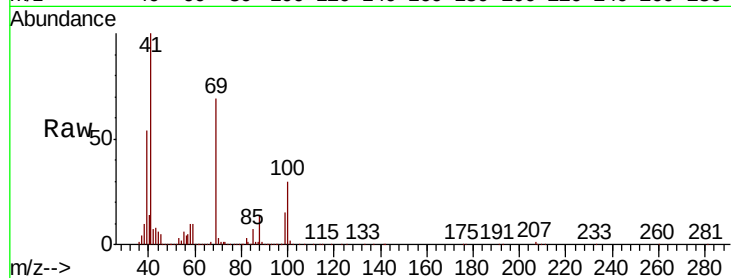




#49
1,4-Dioxane
Concen: 488.025 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

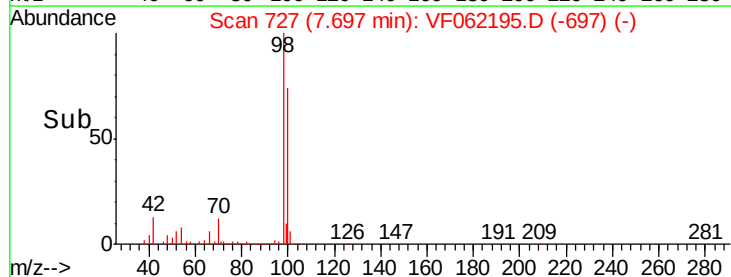
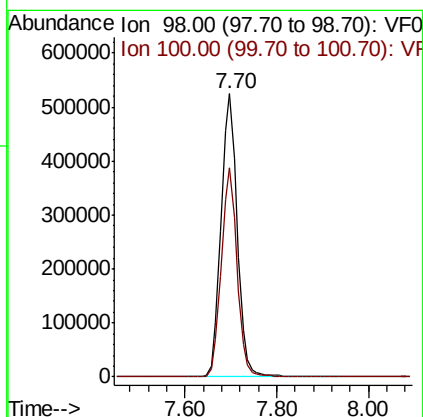
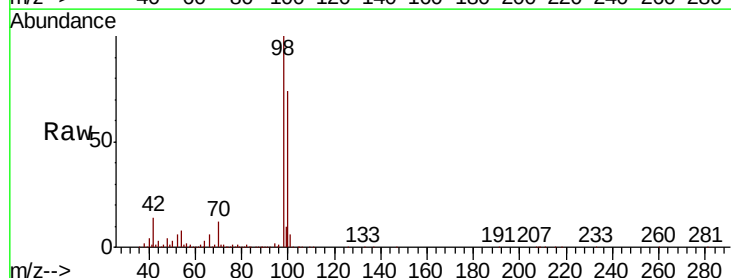
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

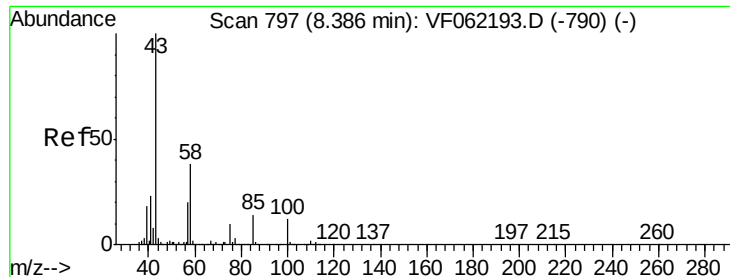
Tot Ion: 88 Resp: 53370
Ion Ratio Lower Upper
88 100
43 45.2 36.9 55.3
58 73.4 56.8 85.2



#50
Toluene-d8
Concen: 82.780 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion: 98 Resp: 1288314
Ion Ratio Lower Upper
98 100
100 71.4 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 169.477 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

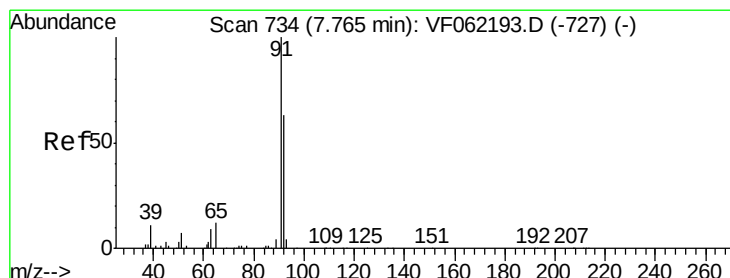
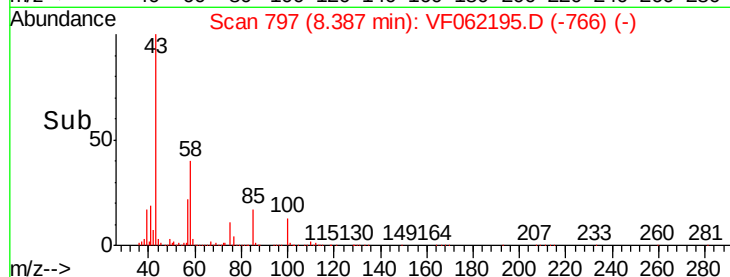
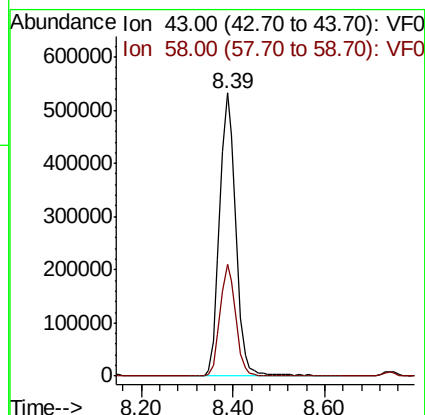
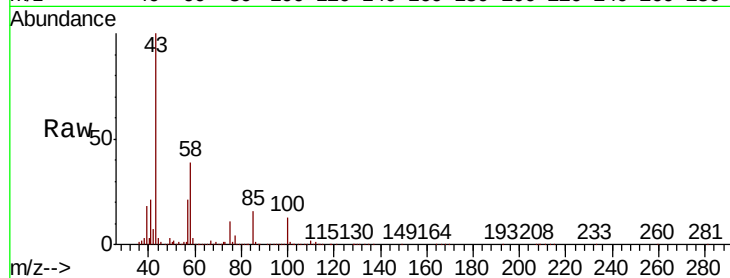
VSTDIC100

Tot Ion: 43 Resp: 1280459

Ion Ratio Lower Upper

43 100

58 38.1 29.3 43.9



#52

Toluene

Concen: 90.829 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF062195.D

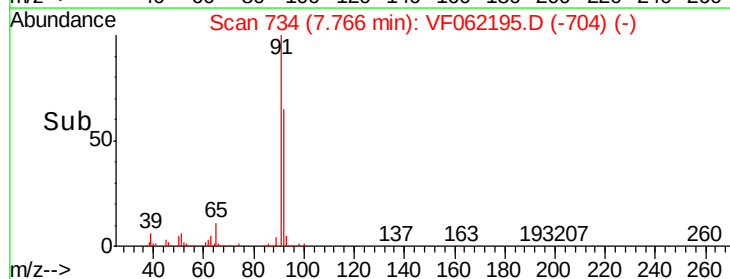
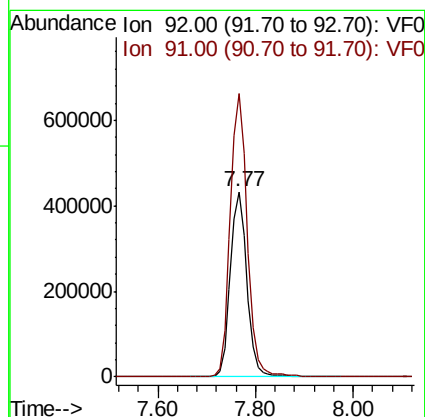
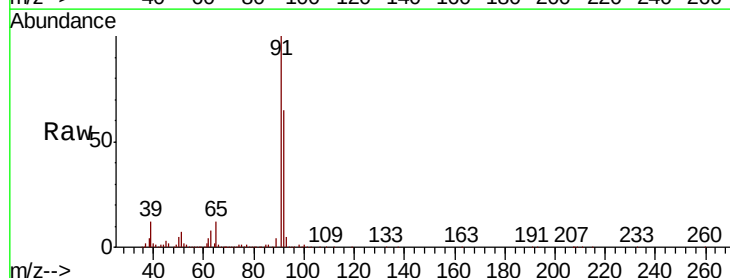
Acq: 17 Apr 2019 19:35

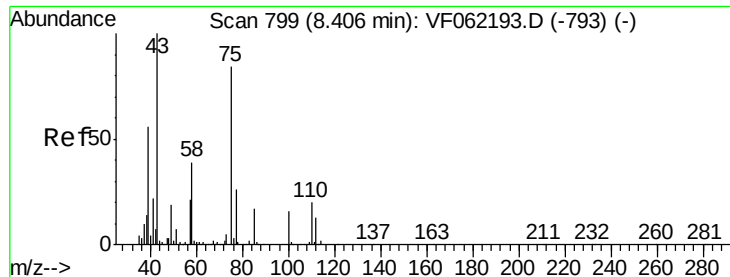
Tgt Ion: 92 Resp: 1026814

Ion Ratio Lower Upper

92 100

91 156.3 130.1 195.1

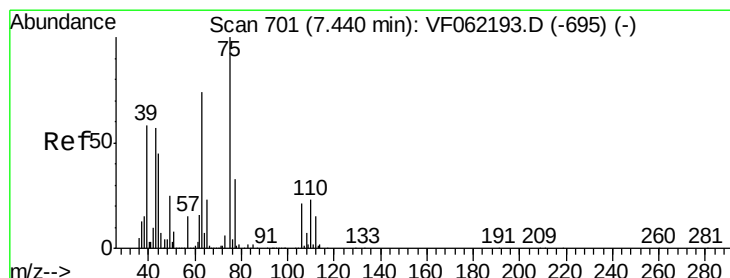
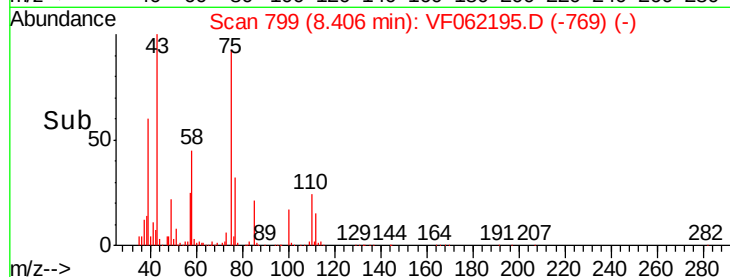
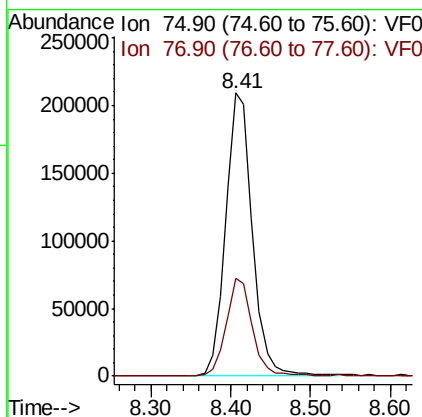
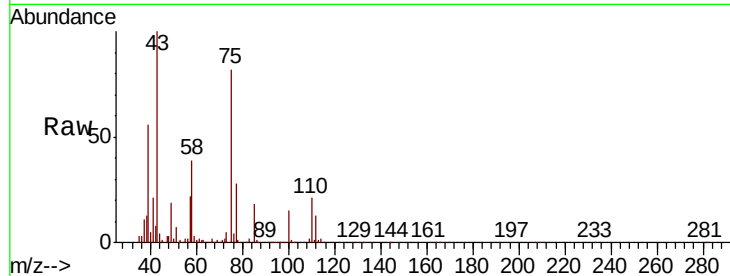




#53
 t-1,3-Dichloropropene
 Concen: 74.914 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

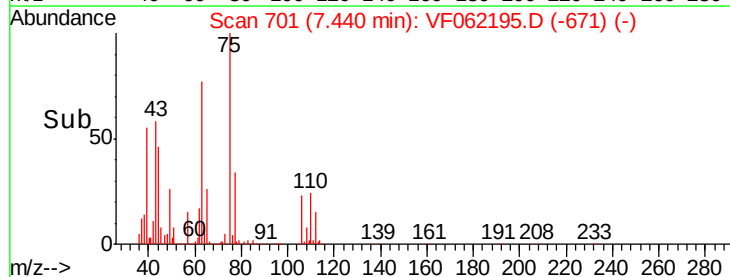
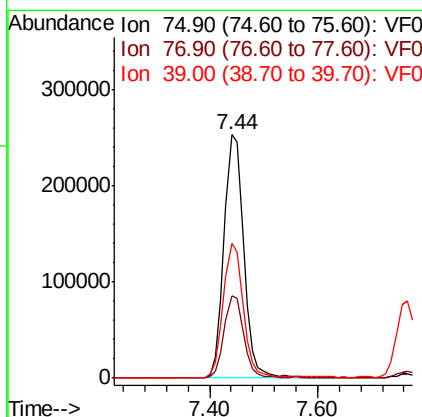
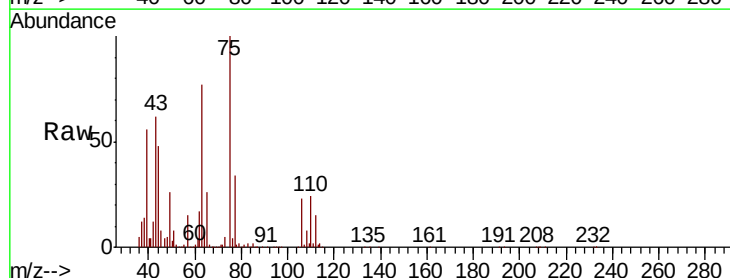
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

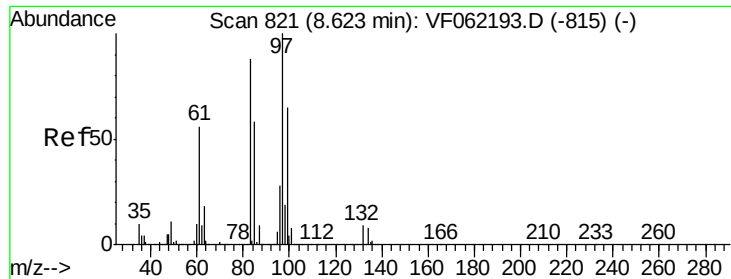
Tot Ion: 75 Resp: 490700
 Ion Ratio Lower Upper
 75 100
 77 34.4 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 85.426 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion: 75 Resp: 644734
 Ion Ratio Lower Upper
 75 100
 77 33.8 26.4 39.6
 39 55.3 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 70.300 ug/l

RT: 8.62 min Scan# 821

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 299510

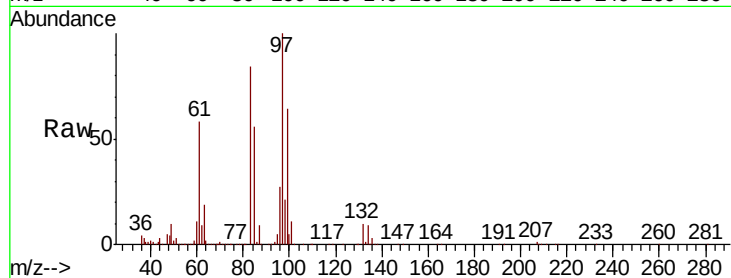
Ion Ratio Lower Upper

97 100

83 84.2 70.2 105.2

85 55.6 46.2 69.4

99 64.1 52.2 78.4

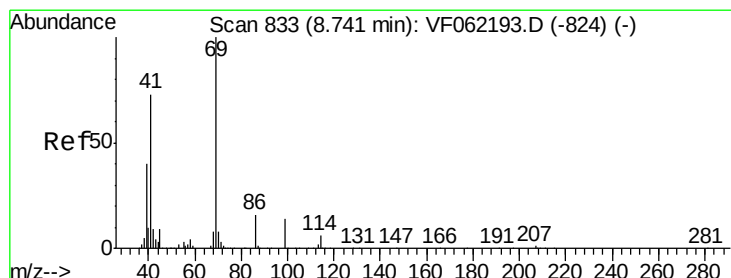
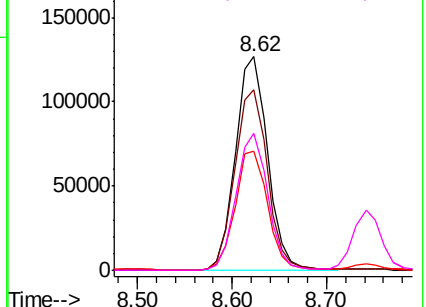
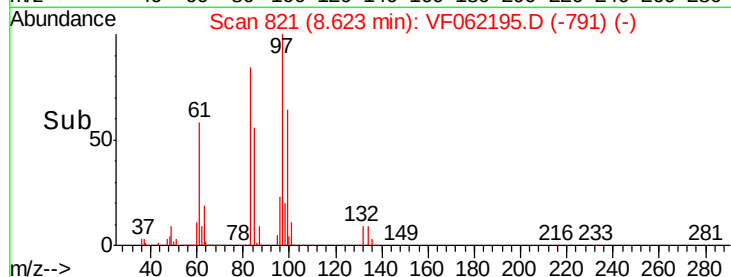


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 48.908 ug/l

RT: 8.74 min Scan# 833

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

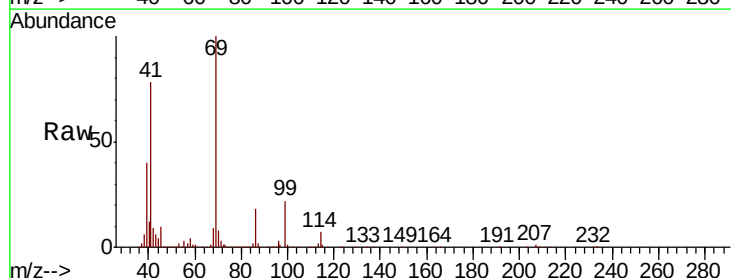
Tgt Ion: 69 Resp: 355819

Ion Ratio Lower Upper

69 100

41 77.7 61.5 92.3

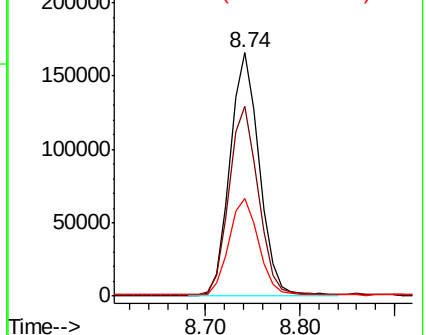
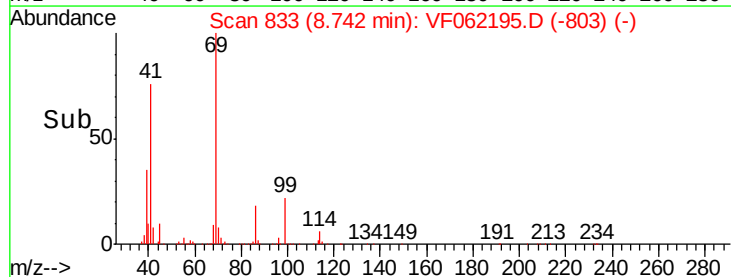
39 40.0 33.3 49.9

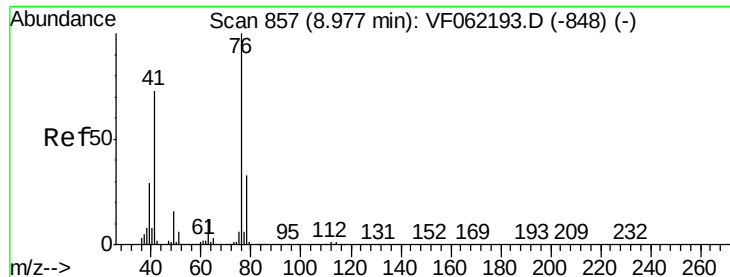


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 65.619 ug/l

RT: 8.98 min Scan# 857

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

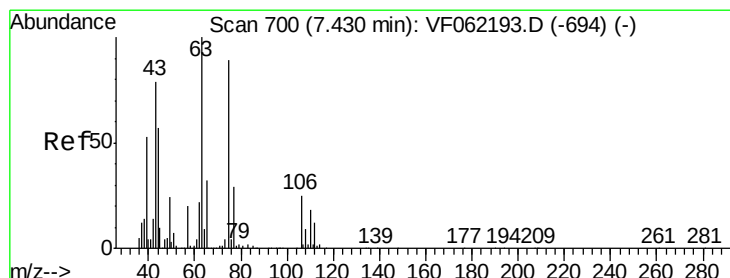
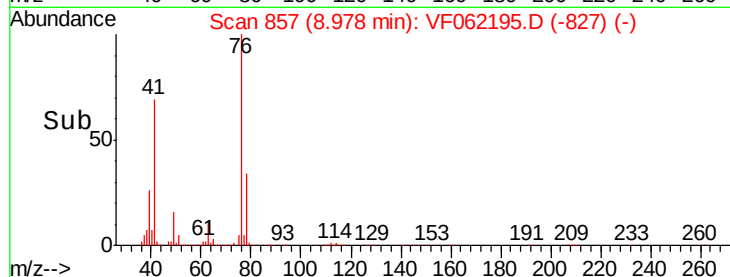
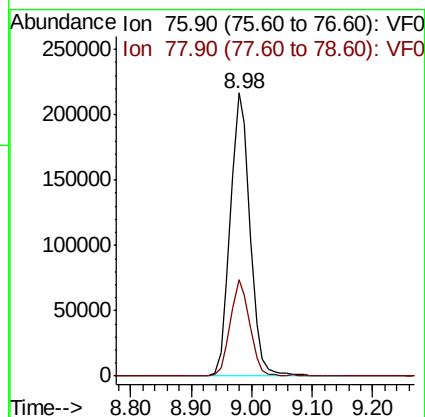
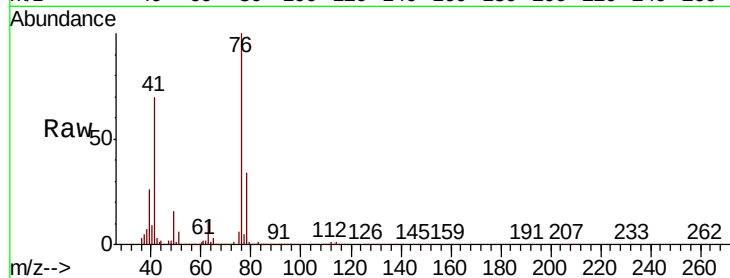
VSTDIC100

Tot Ion: 76 Resp: 492664

Ion Ratio Lower Upper

76 100

78 33.9 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 130.605 ug/l

RT: 7.43 min Scan# 700

Delta R.T. 0.00 min

Lab File: VF062195.D

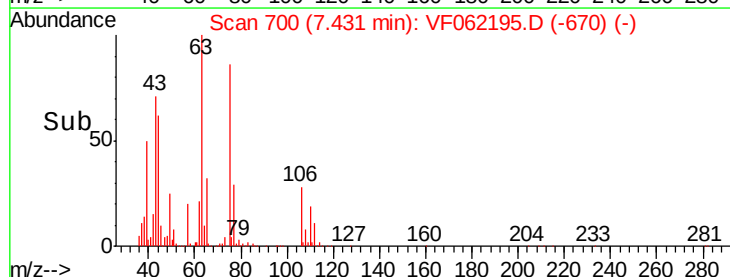
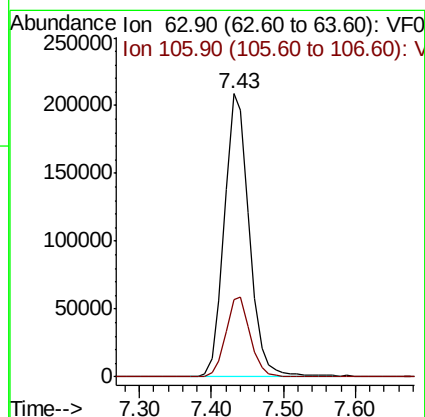
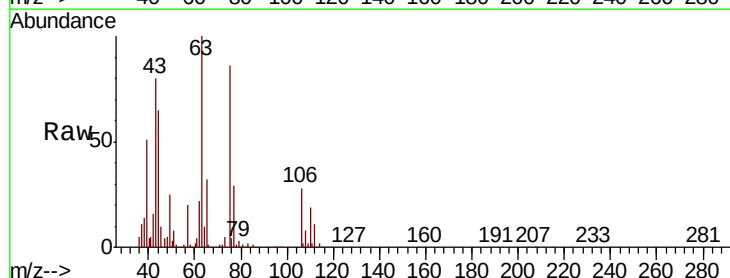
Acq: 17 Apr 2019 19:35

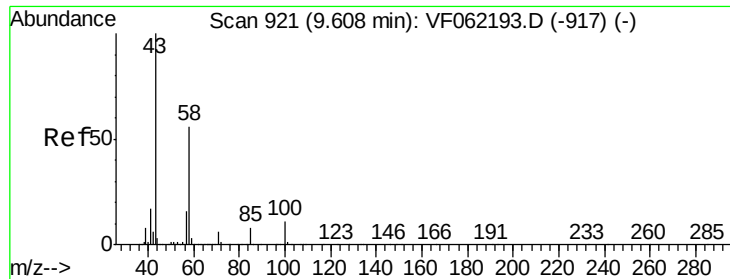
Tgt Ion: 63 Resp: 496129

Ion Ratio Lower Upper

63 100

106 28.1 21.4 32.0

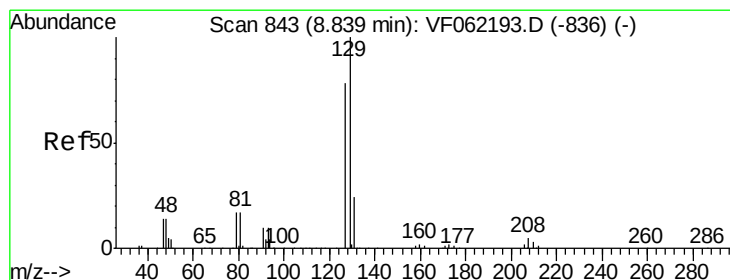
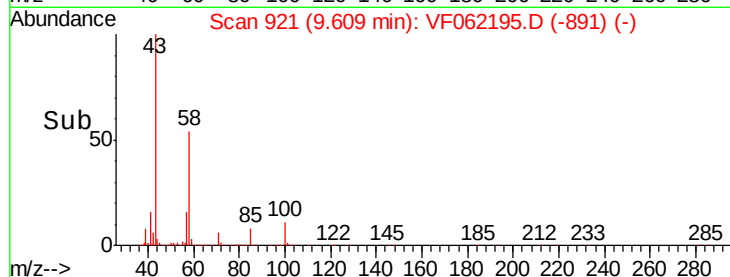
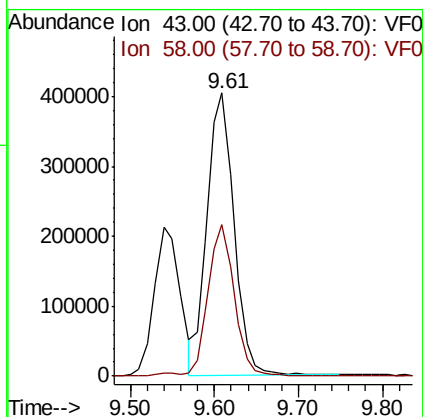
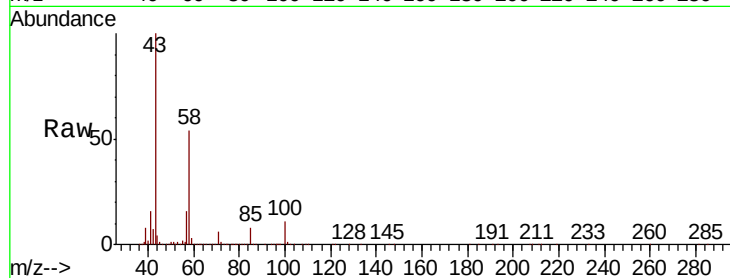




#59
2-Hexanone
Concen: 155.826 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

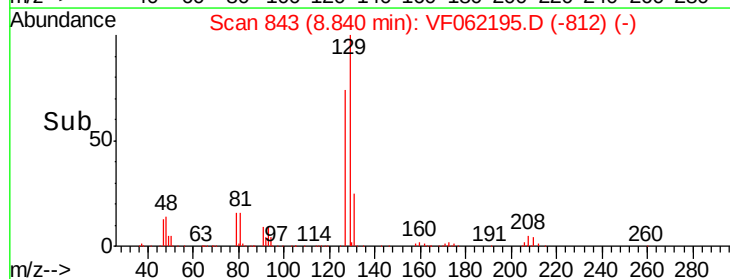
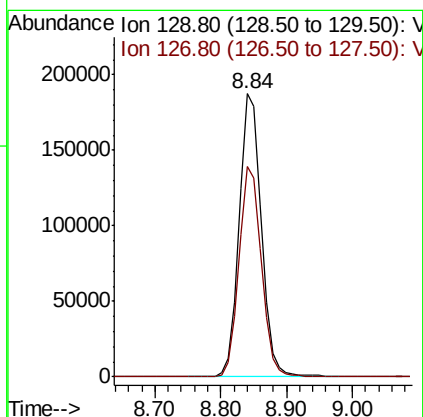
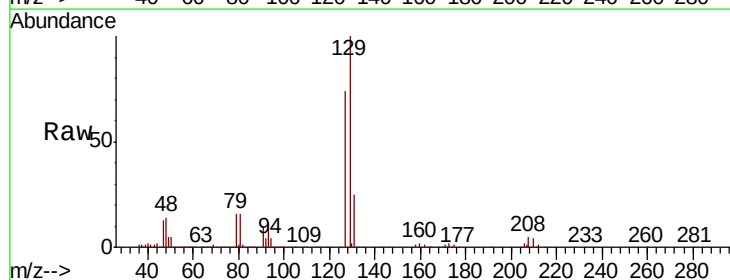
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

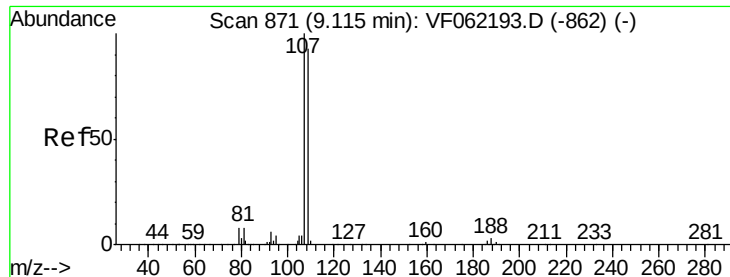
Tot Ion: 43 Resp: 898221
Ion Ratio Lower Upper
43 100
58 52.1 24.6 74.0



#60
Dibromochloromethane
Concen: 103.210 ug/l
RT: 8.84 min Scan# 843
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion: 129 Resp: 444489
Ion Ratio Lower Upper
129 100
127 75.7 39.0 117.0

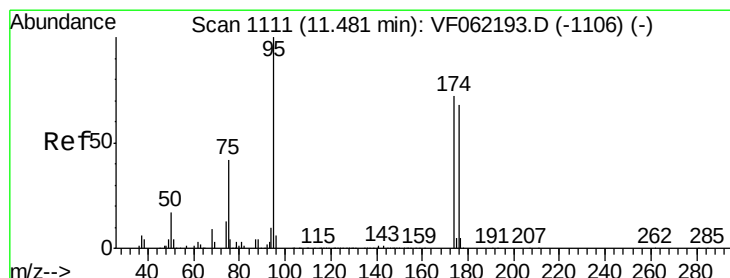
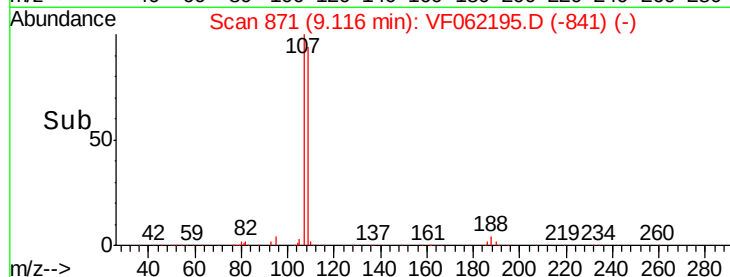
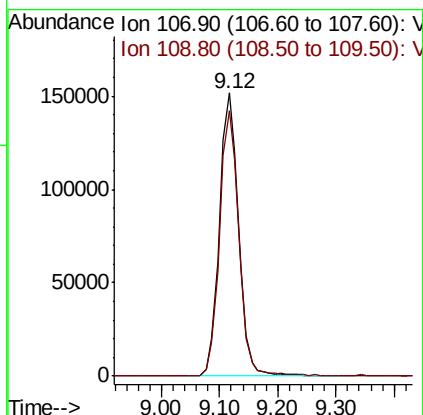
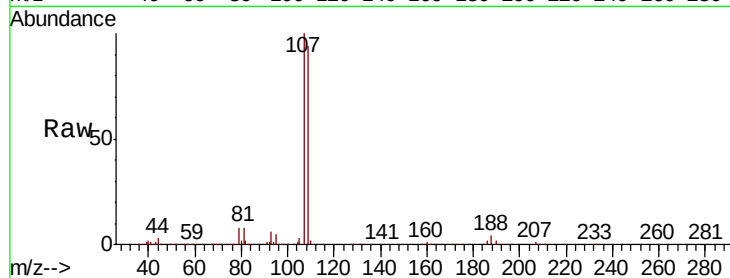




#61
 1,2-Dibromoethane
 Concen: 78.097 ug/l
 RT: 9.12 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

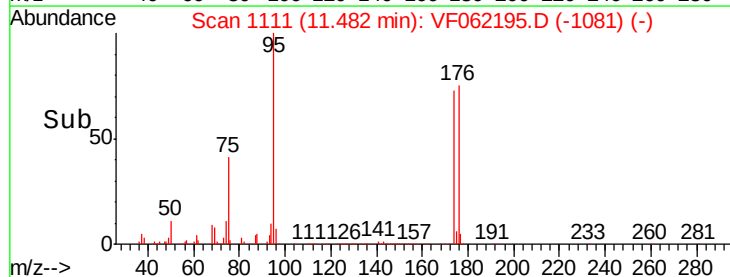
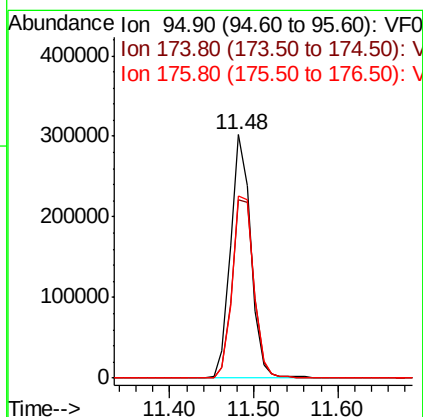
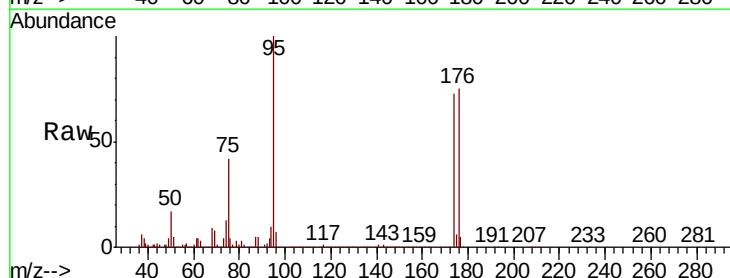
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

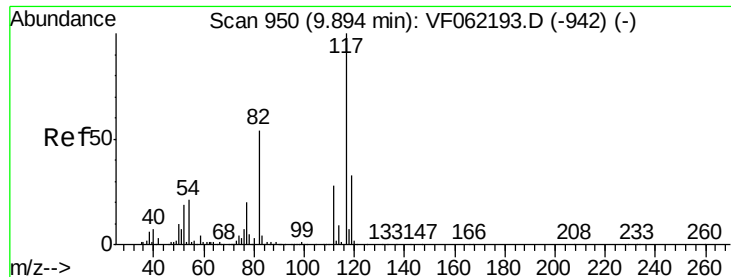
Tot Ion: 107 Resp: 346180
 Ion Ratio Lower Upper
 107 100
 109 94.7 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 91.878 ug/l
 RT: 11.48 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion: 95 Resp: 507499
 Ion Ratio Lower Upper
 95 100
 174 79.1 0.0 159.4
 176 79.8 0.0 155.4

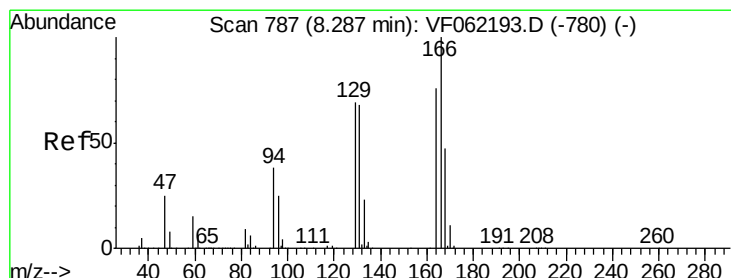
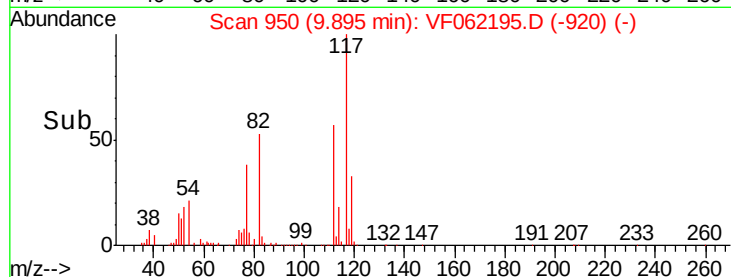
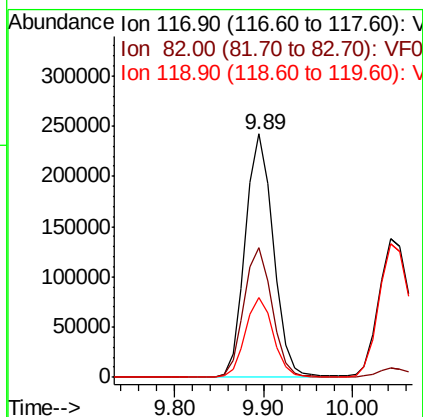
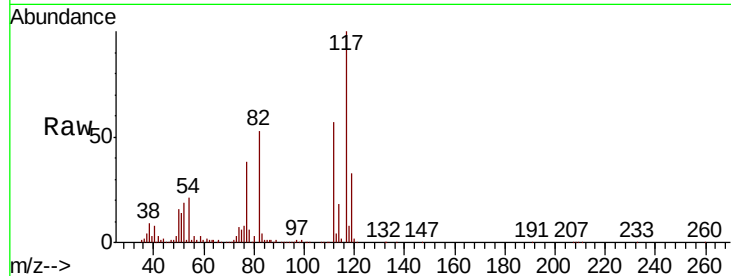




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

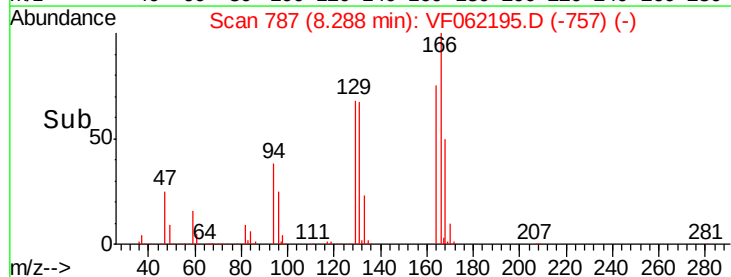
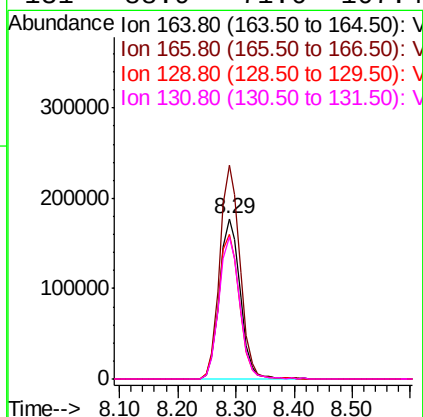
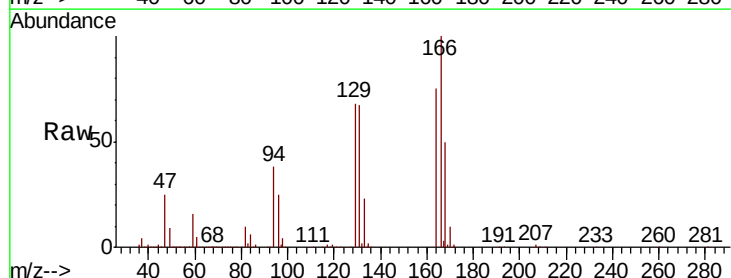
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

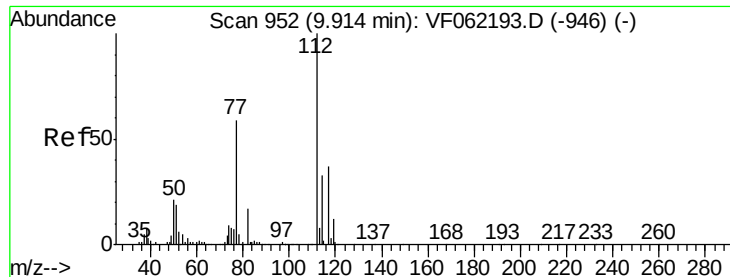
Tot Ion:117 Resp: 527746
Ion Ratio Lower Upper
117 100
82 53.0 43.2 64.8
119 32.8 26.2 39.4



#64
Tetrachloroethene
Concen: 105.549 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion:164 Resp: 439657
Ion Ratio Lower Upper
164 100
166 133.2 104.7 157.1
129 90.2 72.6 109.0
131 88.9 71.6 107.4





#65

Chlorobenzene

Concen: 96.194 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

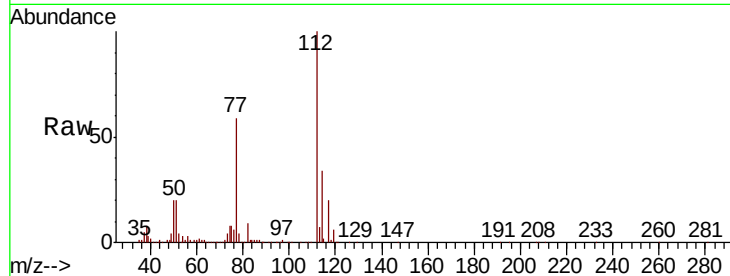
VSTDIC100

Tot Ion:112 Resp: 1092492

Ion Ratio Lower Upper

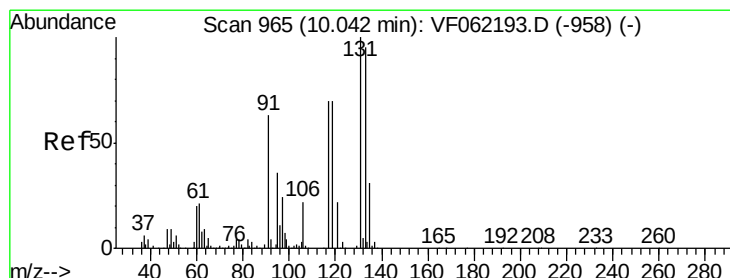
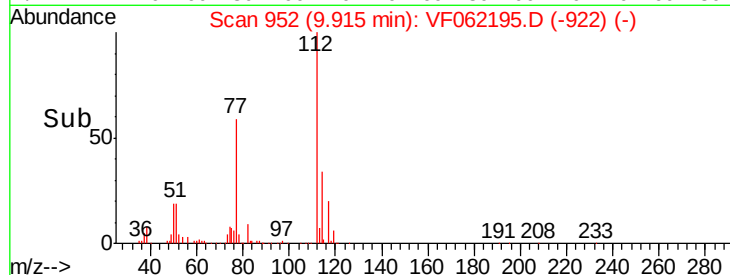
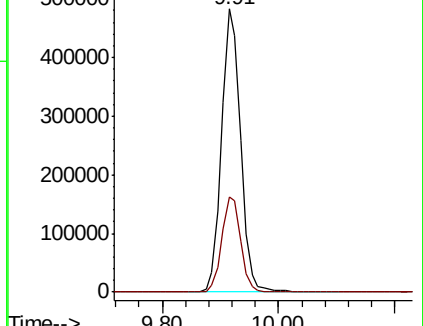
112 100

114 33.8 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 110.811 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

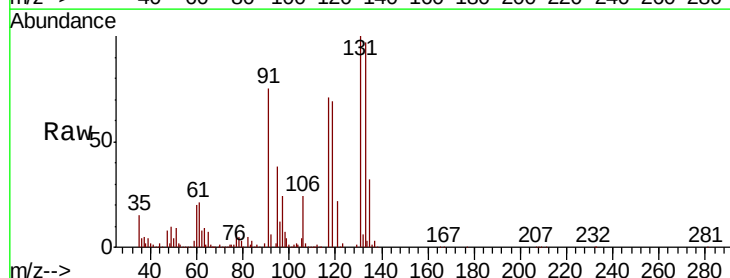
Tgt Ion:131 Resp: 461447

Ion Ratio Lower Upper

131 100

133 97.1 47.7 143.1

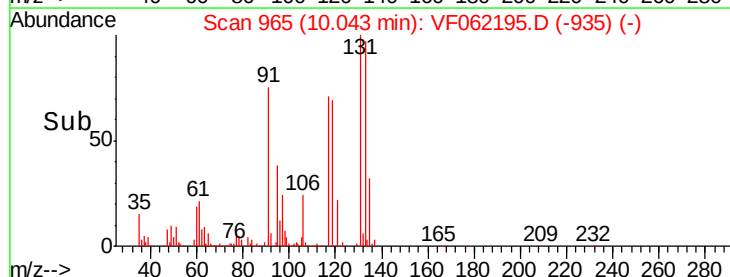
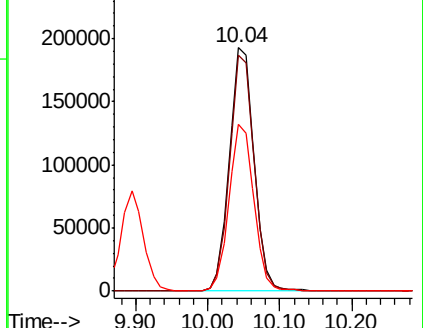
119 68.7 34.6 103.9

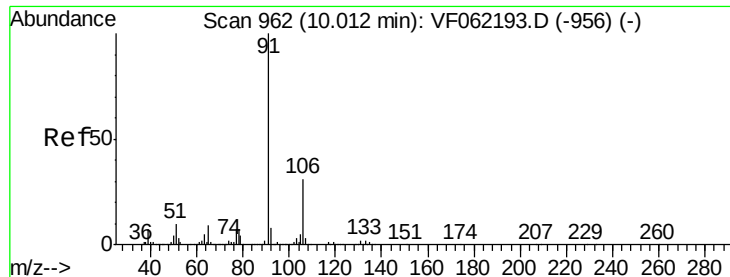


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 90.394 ug/l

RT: 10.01 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

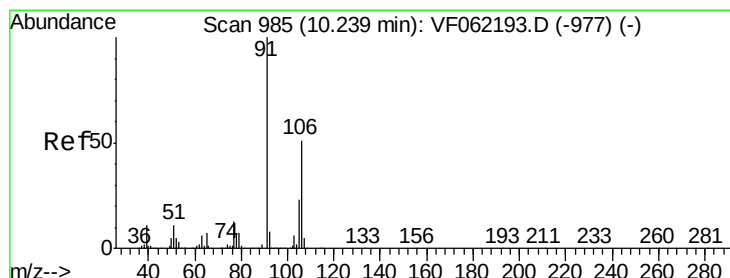
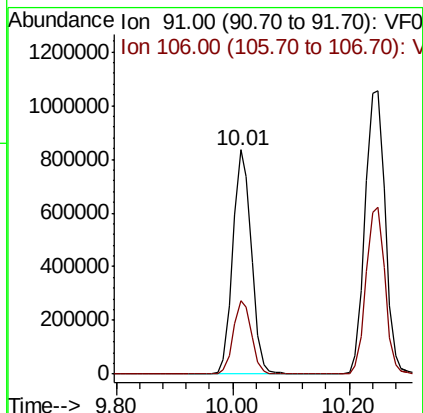
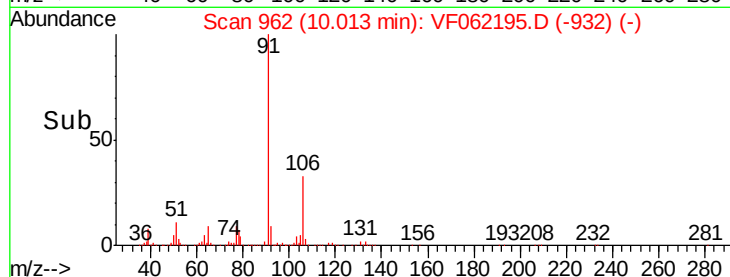
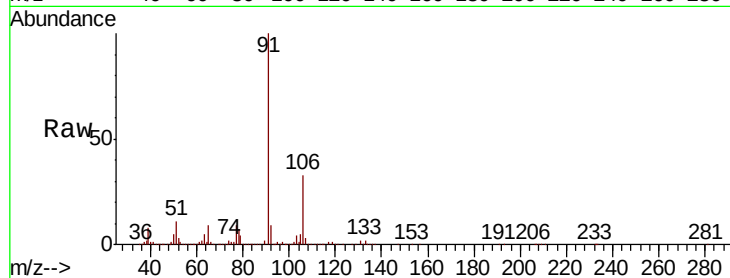
VSTDIC100

Tot Ion: 91 Resp: 1848421

Ion Ratio Lower Upper

91 100

106 32.9 24.9 37.3



#68

m/p-Xylenes

Concen: 189.436 ug/l

RT: 10.25 min Scan# 986

Delta R.T. 0.01 min

Lab File: VF062195.D

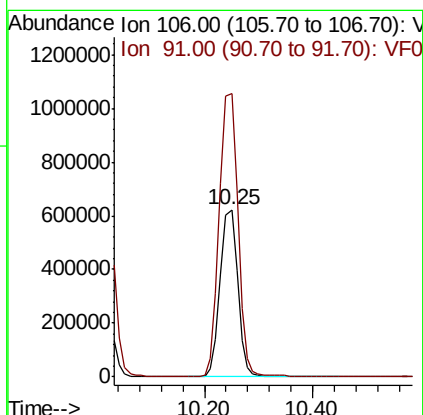
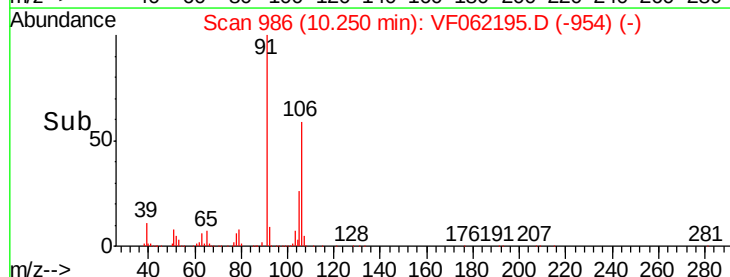
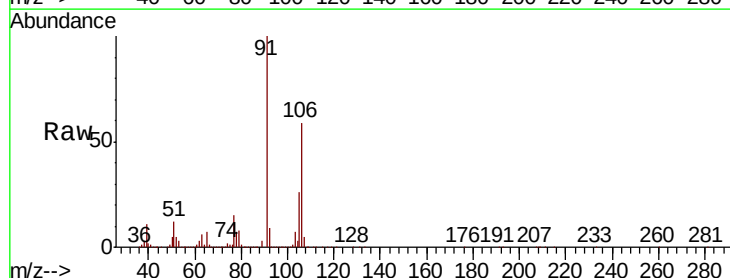
Acq: 17 Apr 2019 19:35

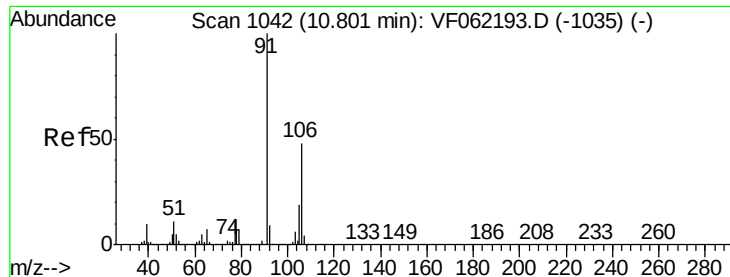
Tgt Ion: 106 Resp: 1409443

Ion Ratio Lower Upper

106 100

91 180.2 159.1 238.7

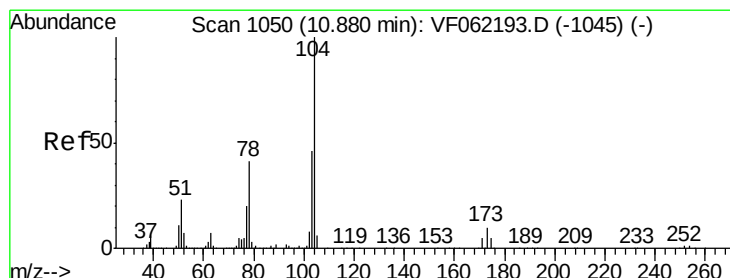
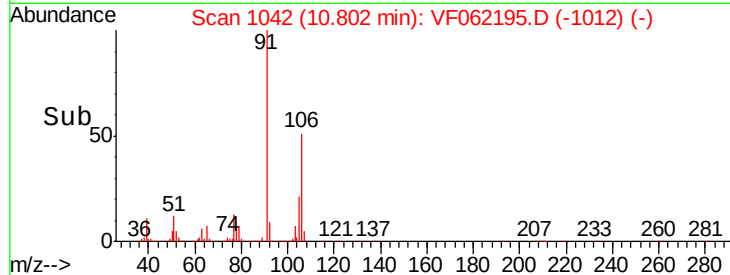
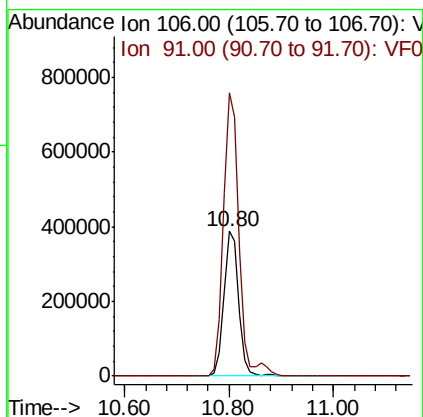
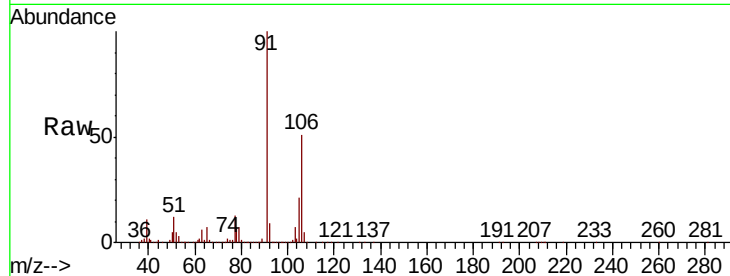




#69
o-Xylene
Concen: 101.591 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

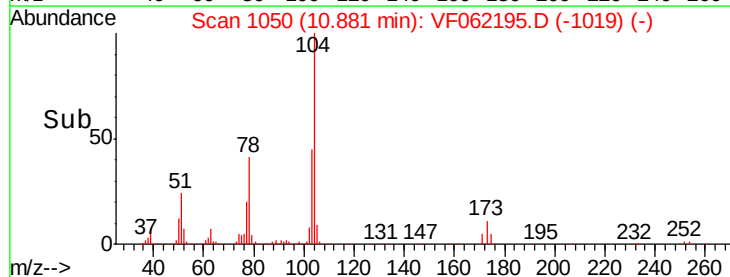
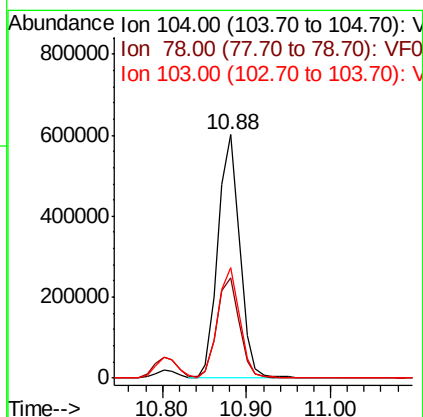
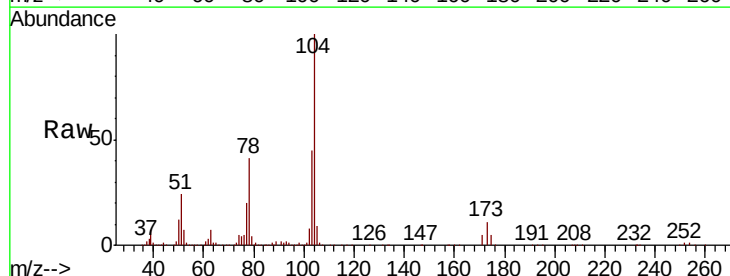
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

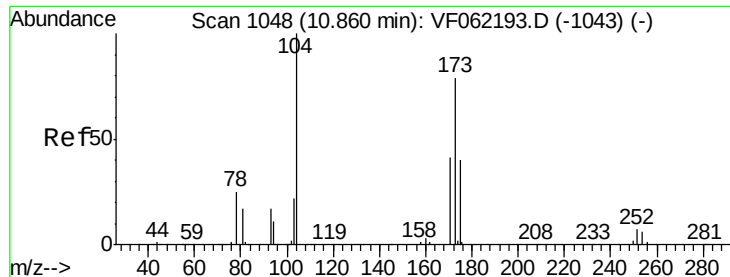
Tot Ion:106 Resp: 757884
Ion Ratio Lower Upper
106 100
91 200.9 107.5 322.4



#70
Styrene
Concen: 87.479 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion:104 Resp: 1081279
Ion Ratio Lower Upper
104 100
78 42.5 34.5 51.7
103 45.9 37.2 55.8





#71

Bromoform

Concen: 83.082 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

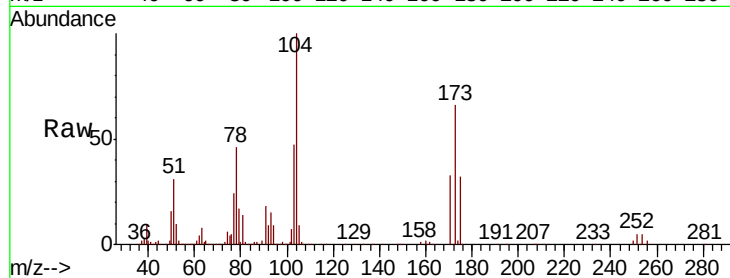
Tot Ion:173 Resp: 254462

Ion Ratio Lower Upper

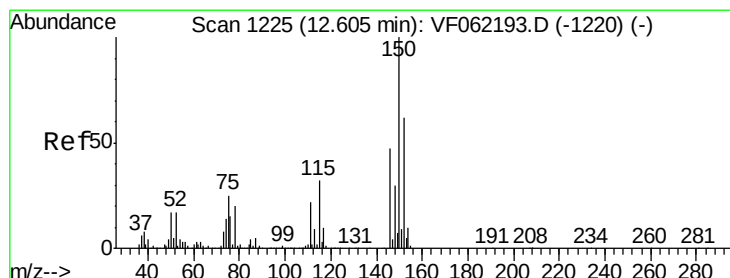
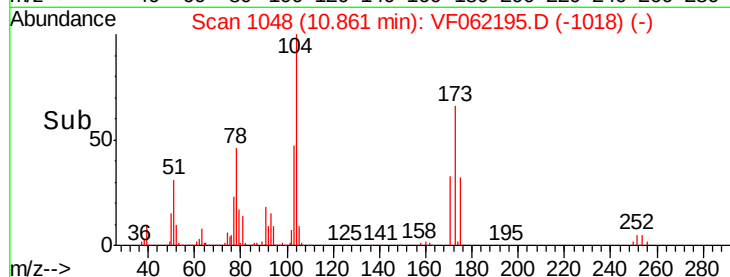
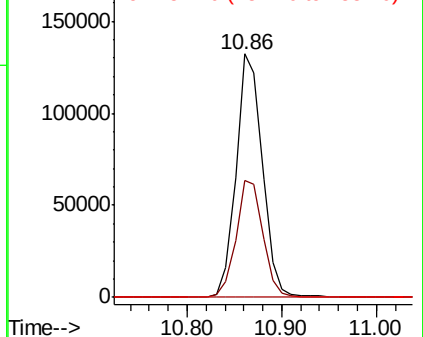
173 100

175 49.1 24.5 73.5

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

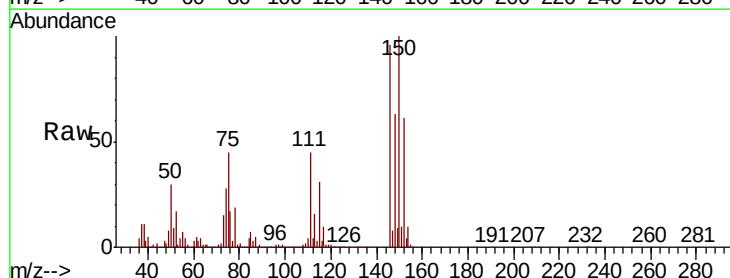
Tgt Ion:152 Resp: 262783

Ion Ratio Lower Upper

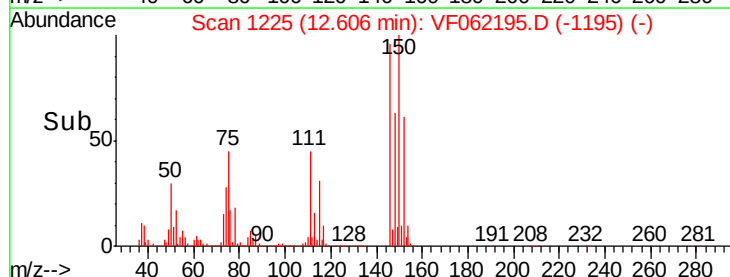
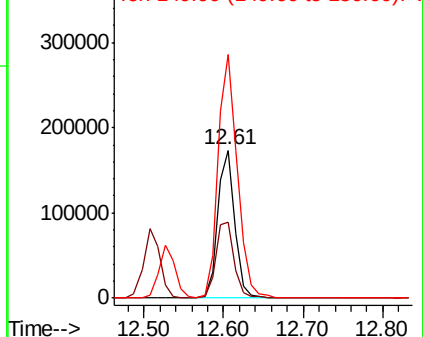
152 100

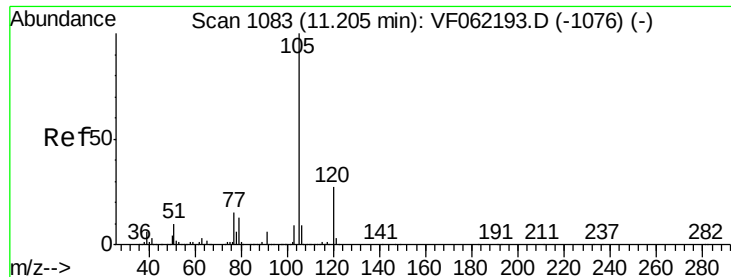
115 55.0 27.8 83.3

150 183.9 0.0 341.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 96.374 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

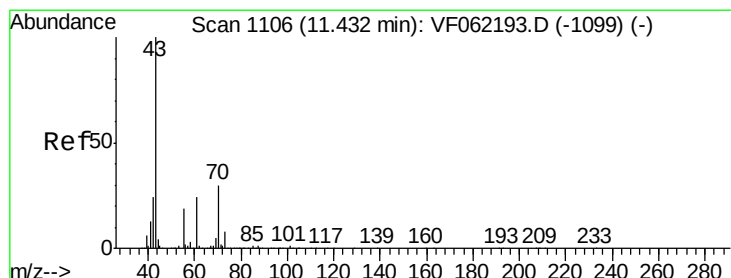
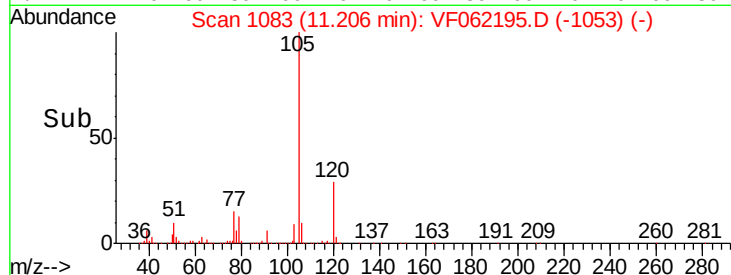
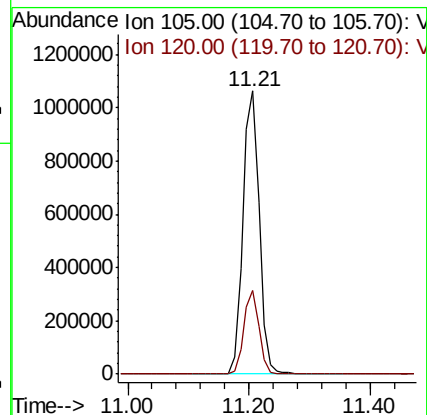
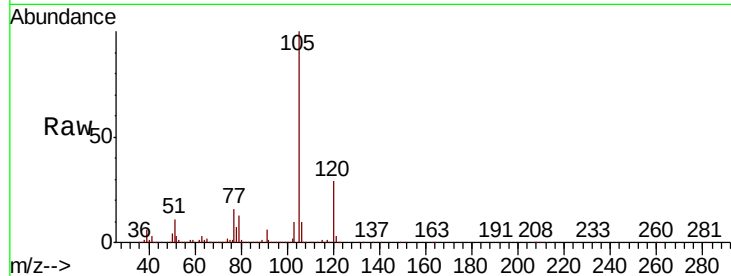
VSTDIC100

Tot Ion:105 Resp: 1976863

Ion Ratio Lower Upper

105 100

120 27.5 13.0 38.9



#74

N-ethyl acetate

Concen: 50.851 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Tgt Ion: 43 Resp: 531643

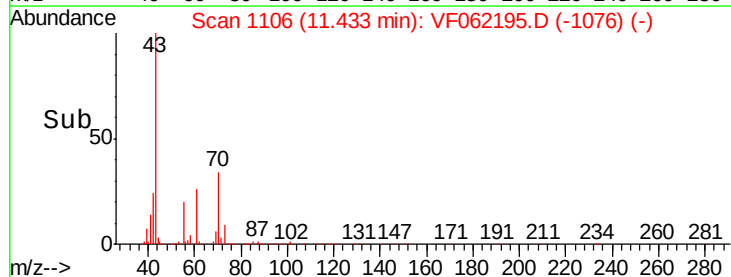
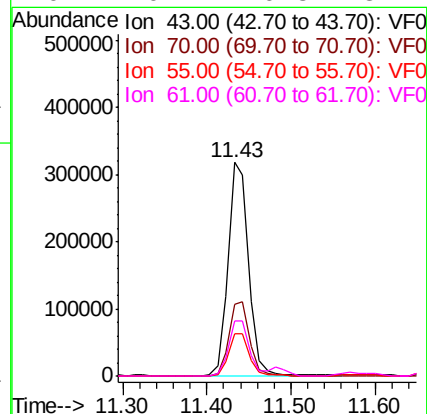
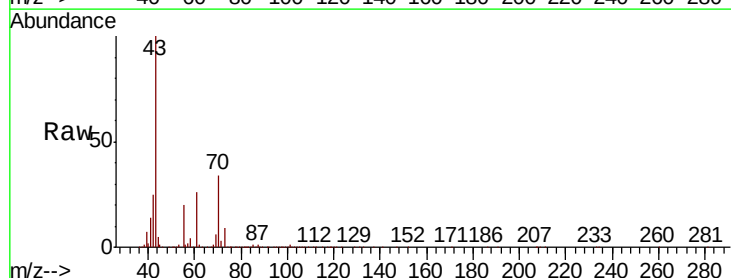
Ion Ratio Lower Upper

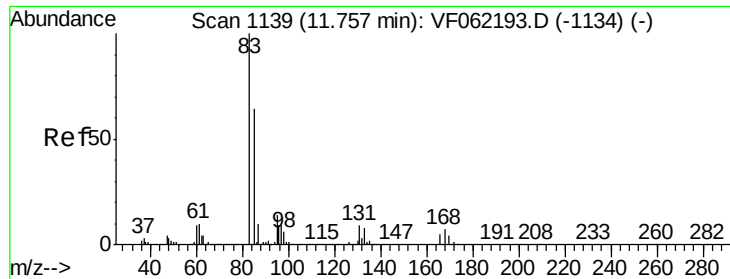
43 100

70 35.2 27.0 40.4

55 20.0 15.7 23.5

61 26.7 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.850 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

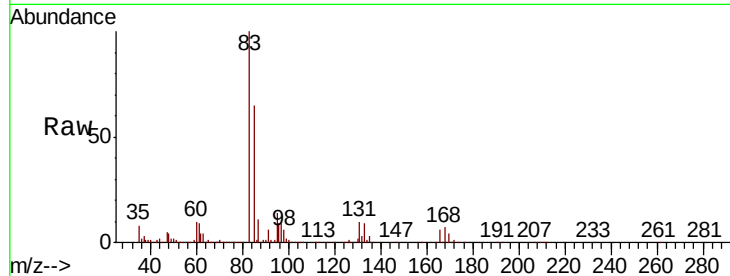
Tot Ion: 83 Resp: 365176

Ion Ratio Lower Upper

83 100

131 10.0 4.5 13.5

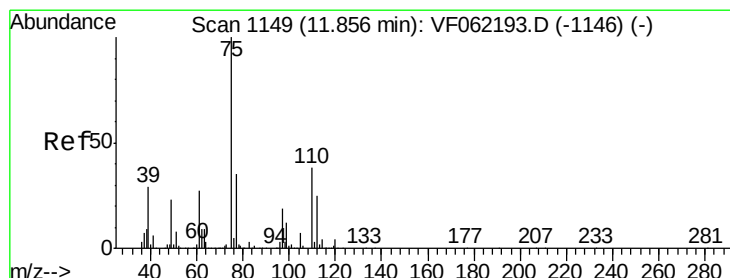
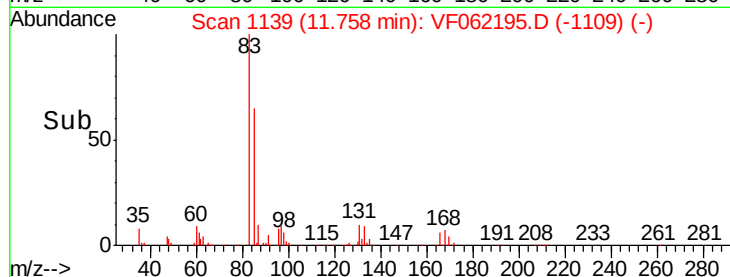
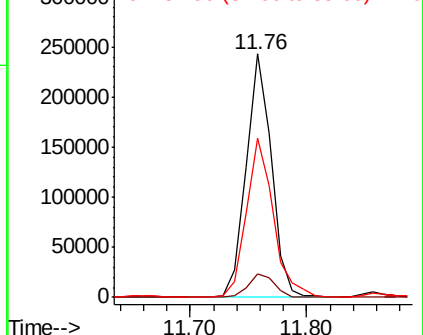
85 69.9 34.7 104.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 43.533 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062195.D

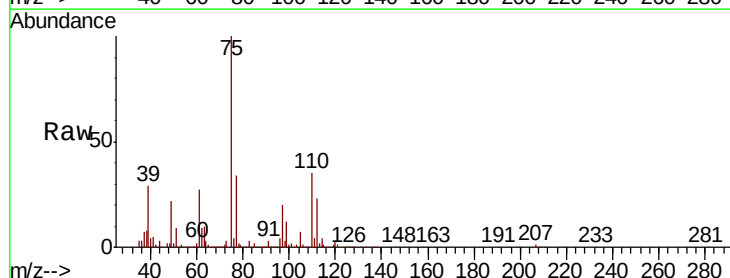
Acq: 17 Apr 2019 19:35

Tgt Ion: 75 Resp: 255076

Ion Ratio Lower Upper

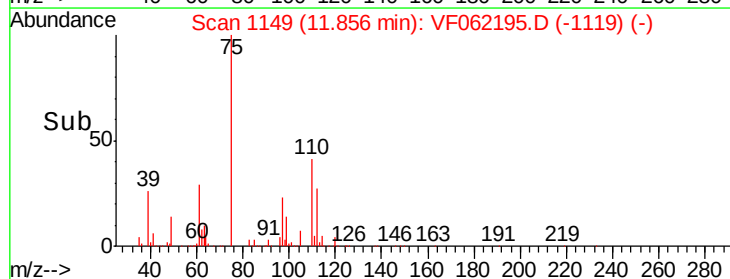
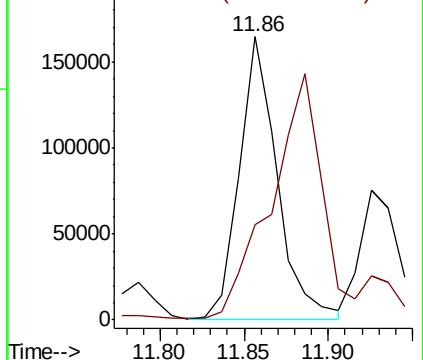
75 100

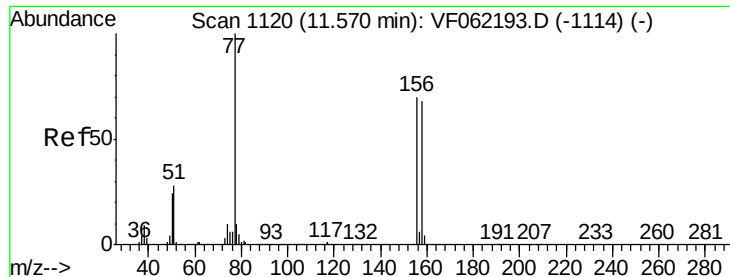
77 0.0 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 92.916 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

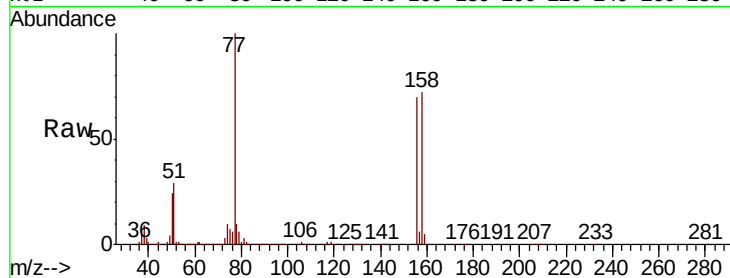
Tot Ion:156 Resp: 468532

Ion Ratio Lower Upper

156 100

77 158.7 80.9 242.7

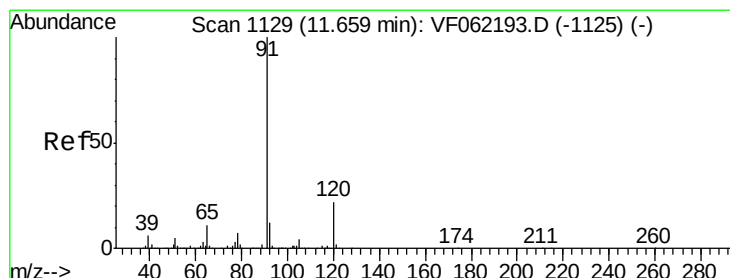
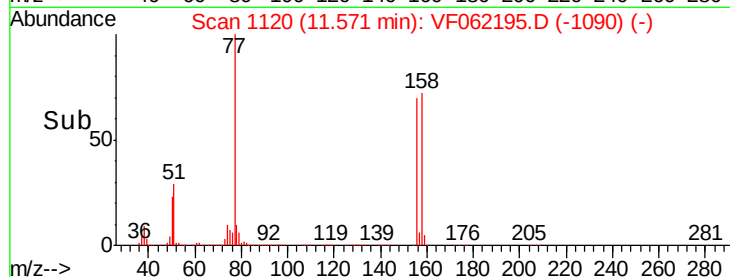
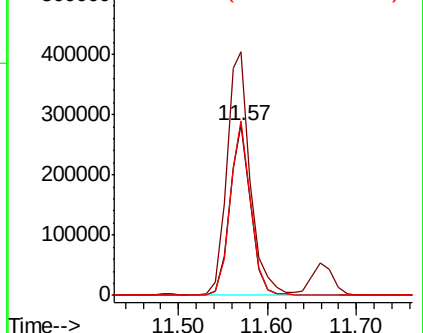
158 100.8 49.8 149.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 90.963 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VF062195.D

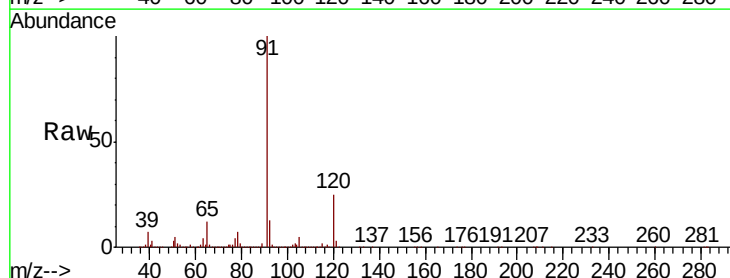
Acq: 17 Apr 2019 19:35

Tgt Ion: 91 Resp: 2089518

Ion Ratio Lower Upper

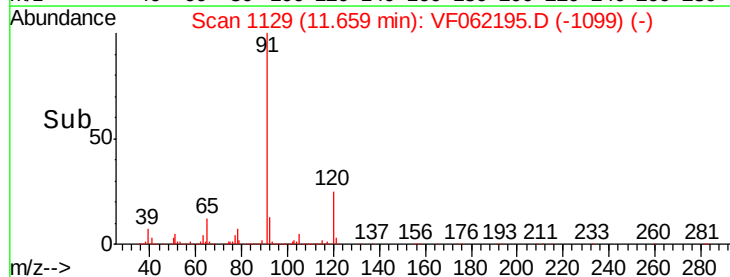
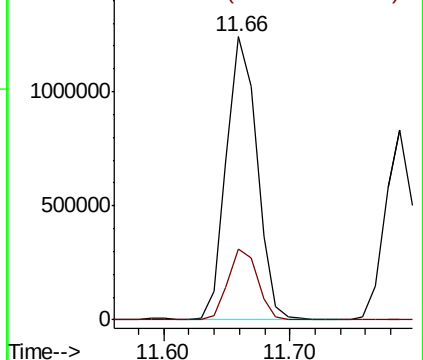
91 100

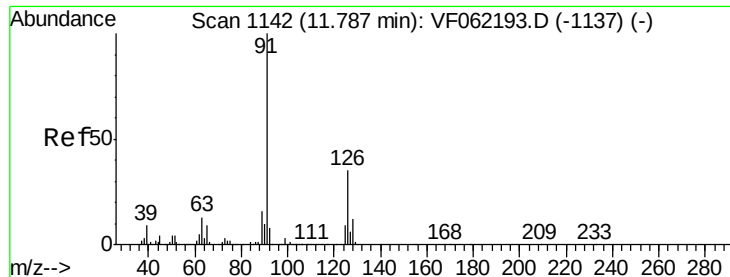
120 24.3 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 93.060 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

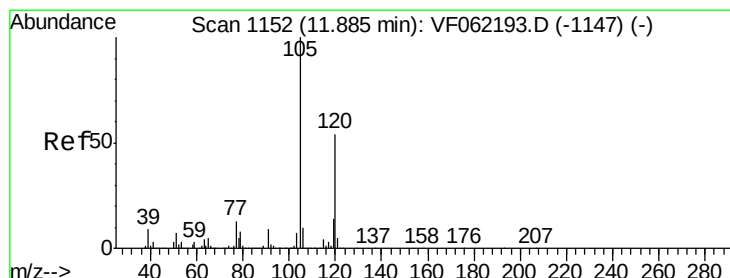
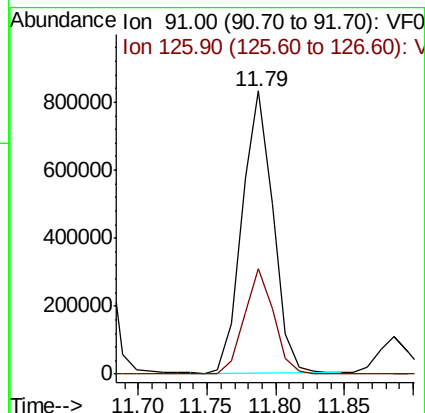
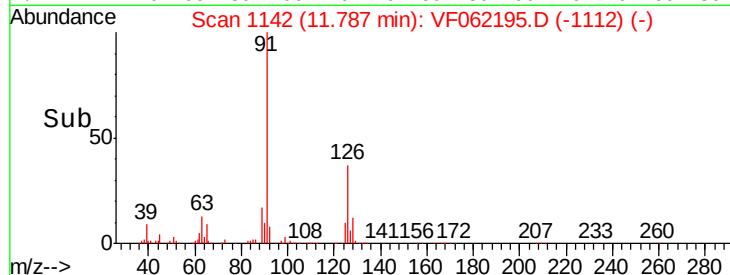
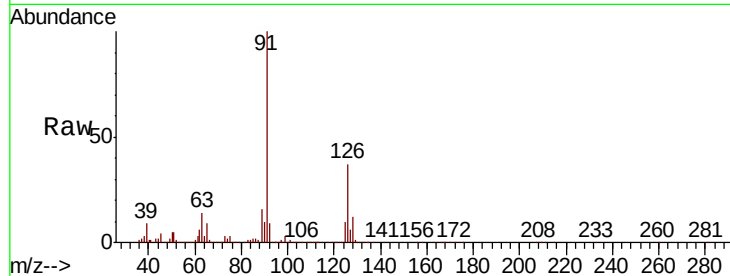
VSTDIC100

Tot Ion: 91 Resp: 1299795

Ion Ratio Lower Upper

91 100

126 36.1 16.9 50.6



#80

1,3,5-Trimethylbenzene

Concen: 93.632 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062195.D

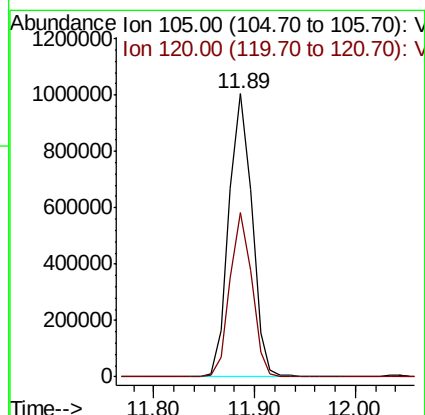
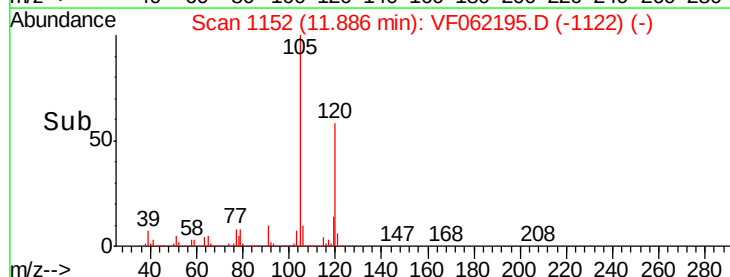
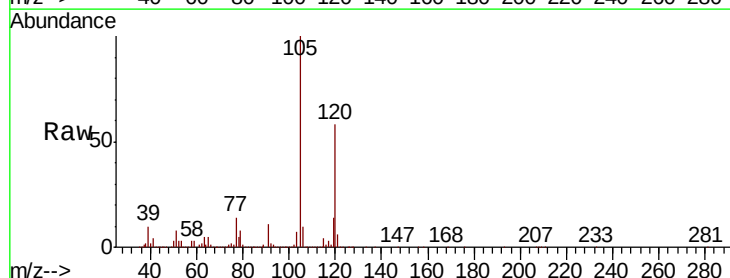
Acq: 17 Apr 2019 19:35

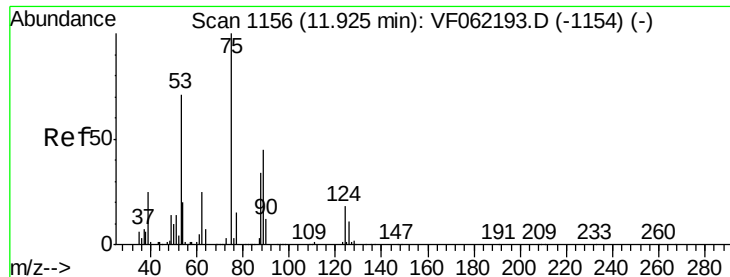
Tgt Ion:105 Resp: 1605149

Ion Ratio Lower Upper

105 100

120 55.4 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 65.080 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

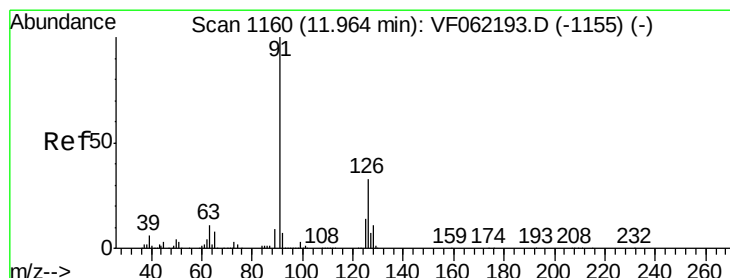
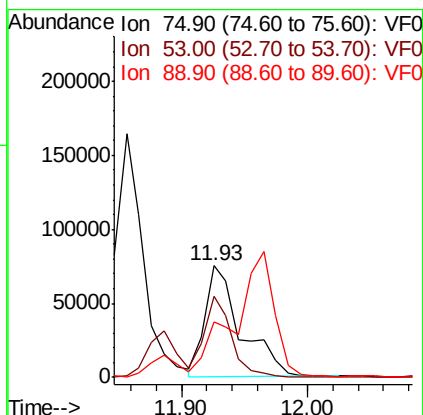
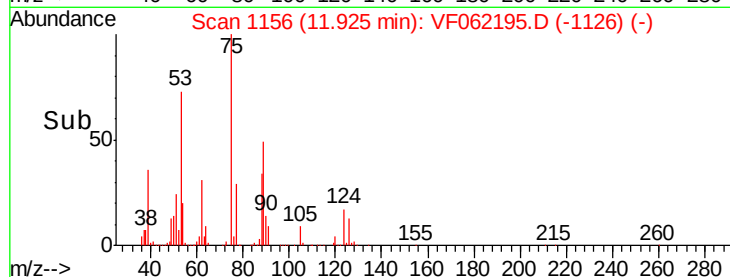
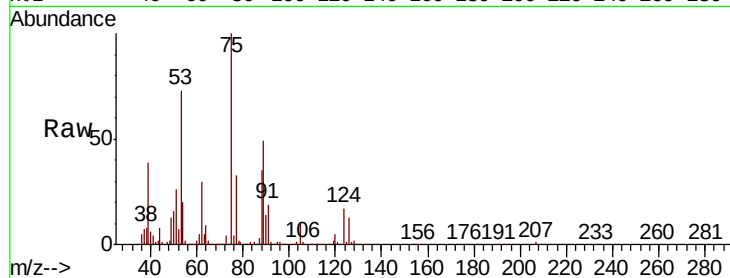
Tot Ion: 75 Resp: 149260

Ion Ratio Lower Upper

75 100

53 55.7 50.2 75.4

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 80.466 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF062195.D

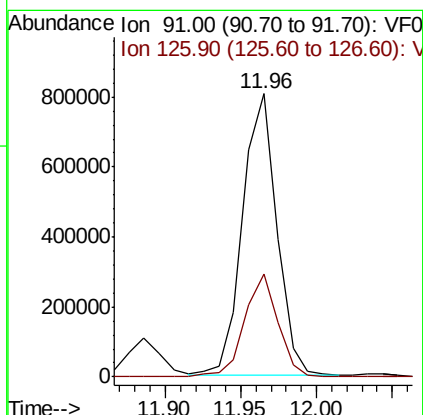
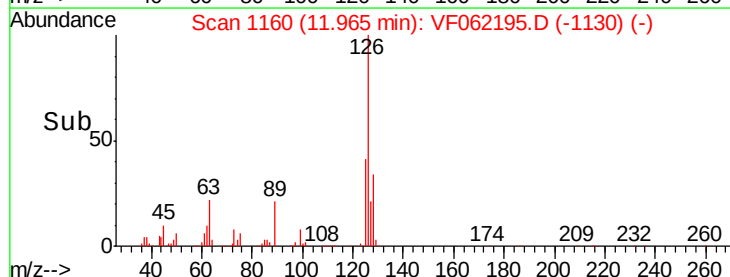
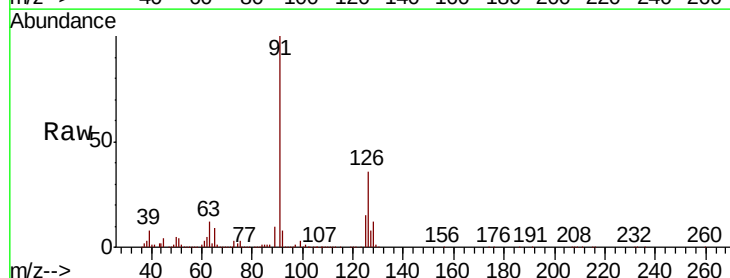
Acq: 17 Apr 2019 19:35

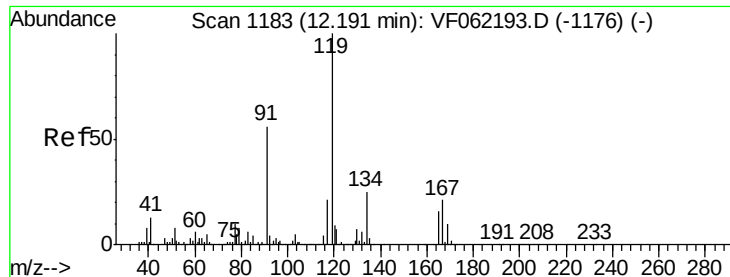
Tgt Ion: 91 Resp: 1263718

Ion Ratio Lower Upper

91 100

126 36.8 16.9 50.6

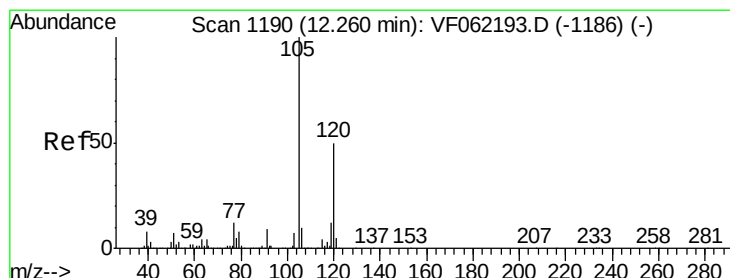
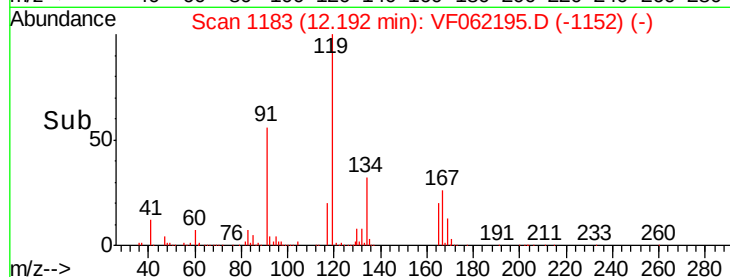
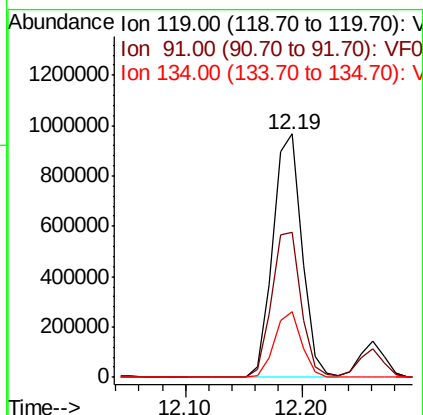
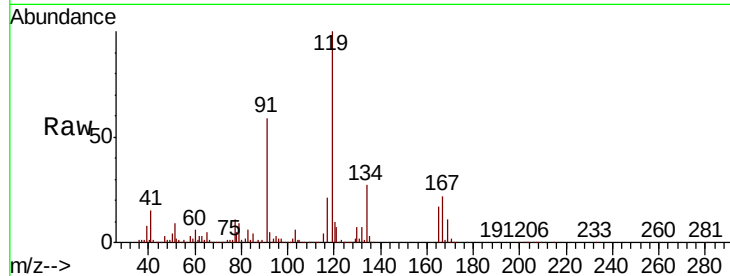




#83
 tert-Butylbenzene
 Concen: 99.845 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

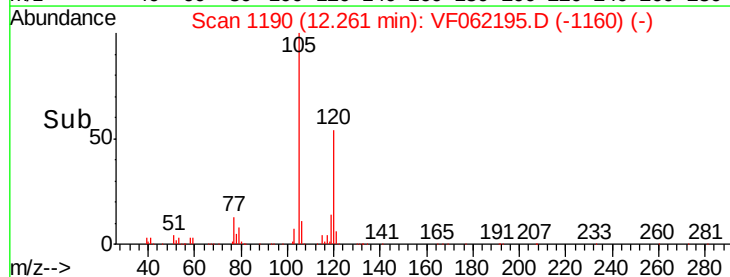
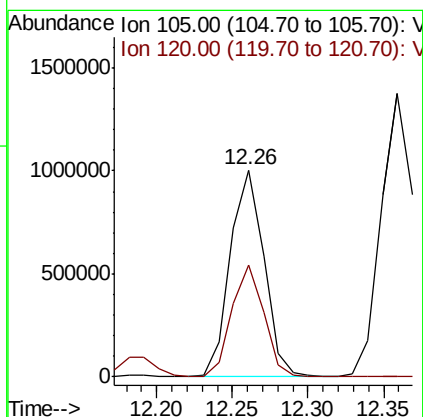
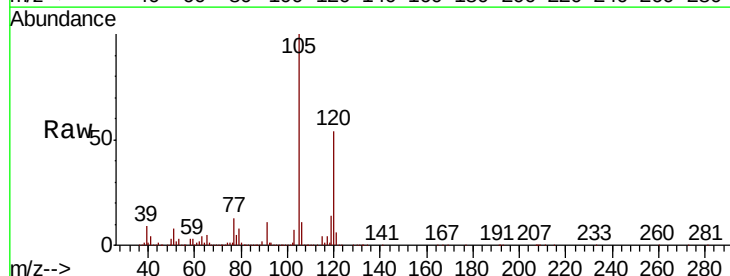
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

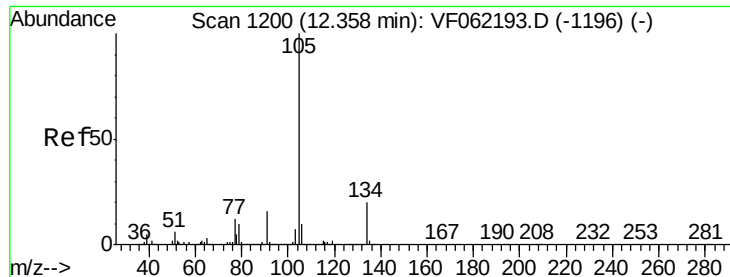
Tot Ion:119 Resp: 1671460
 Ion Ratio Lower Upper
 119 100
 91 59.9 29.4 88.2
 134 25.3 11.8 35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 90.468 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion:105 Resp: 1559903
 Ion Ratio Lower Upper
 105 100
 120 51.3 24.0 72.0





#85

sec-Butylbenzene

Concen: 104.554 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

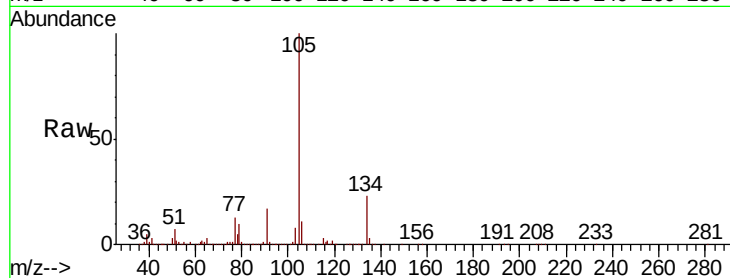
VSTDIC100

Tot Ion:105 Resp: 2120430

Ion Ratio Lower Upper

105 100

134 21.1 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.36

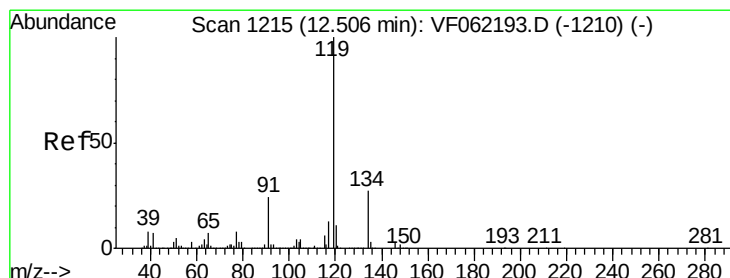
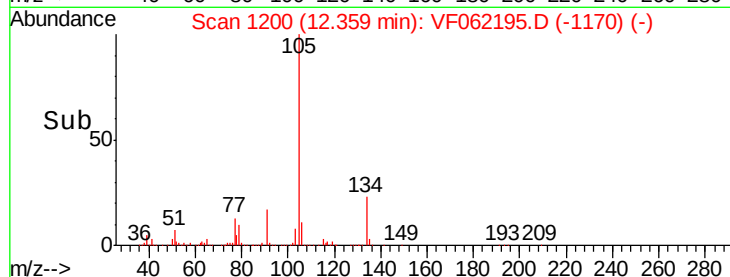
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 96.934 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

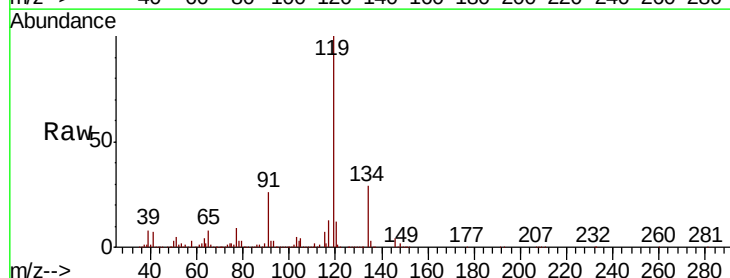
Tgt Ion:119 Resp: 1773484

Ion Ratio Lower Upper

119 100

134 27.5 13.2 39.5

91 24.8 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.51

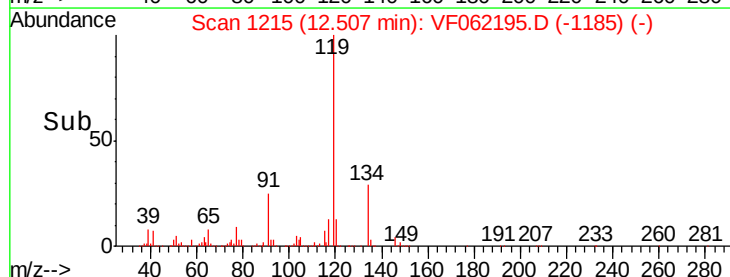
1500000

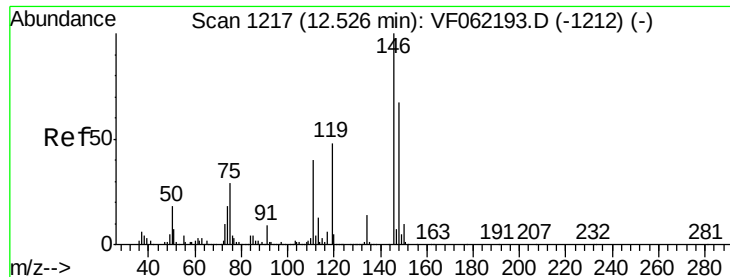
1000000

500000

0

Time-->

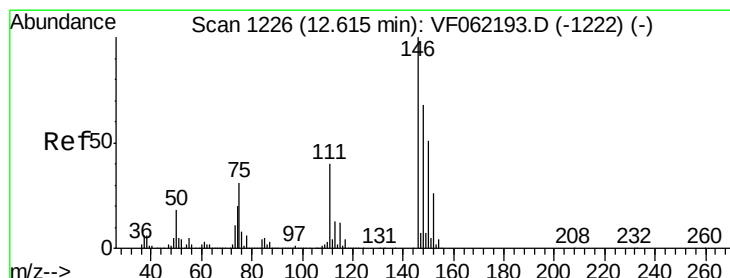
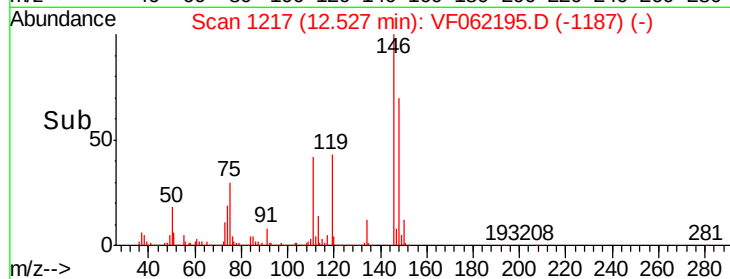
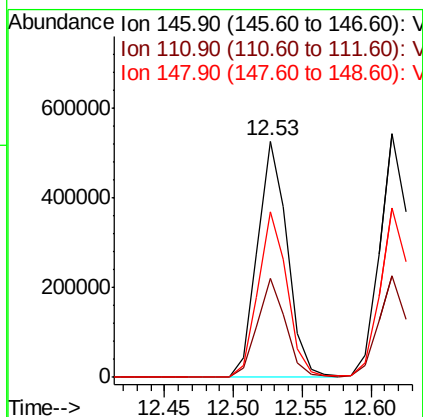
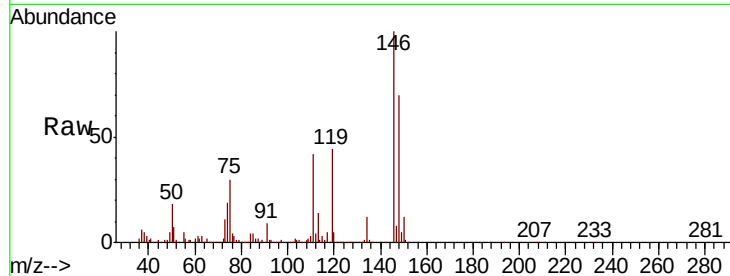




#87
 1,3-Dichlorobenzene
 Concen: 90.334 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

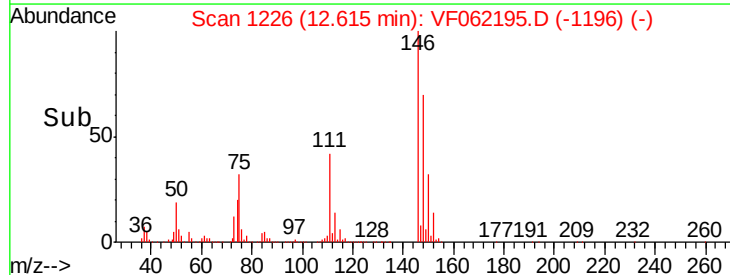
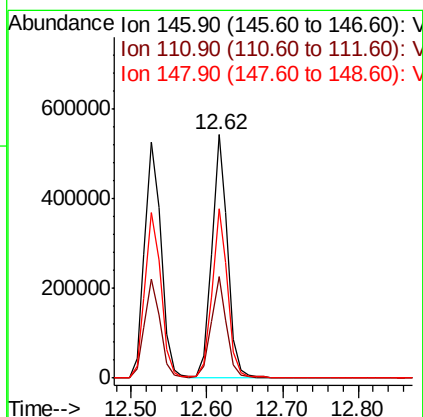
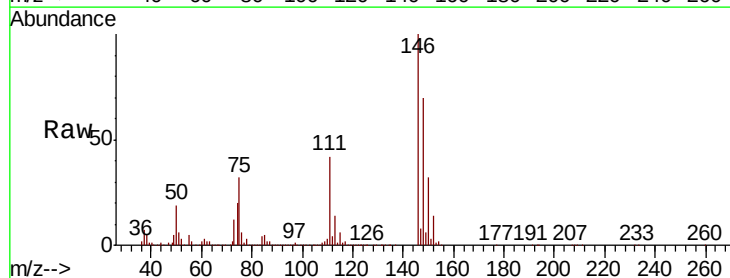
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

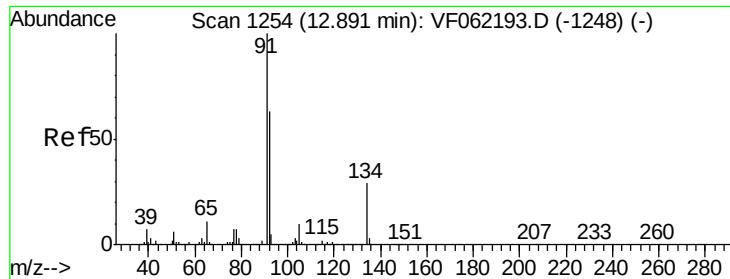
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	68.2	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 89.935 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	60.0
148	68.2	33.6	100.8





#89

n-Butylbenzene

Concen: 96.306 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

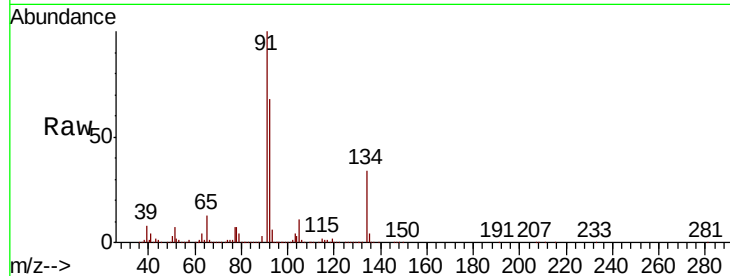
Tot Ion: 91 Resp: 1617819

Ion	Ratio	Lower	Upper
91	100		
92	66.2	31.2	93.6
134	29.6	13.1	39.1

91 100

92 66.2 31.2 93.6

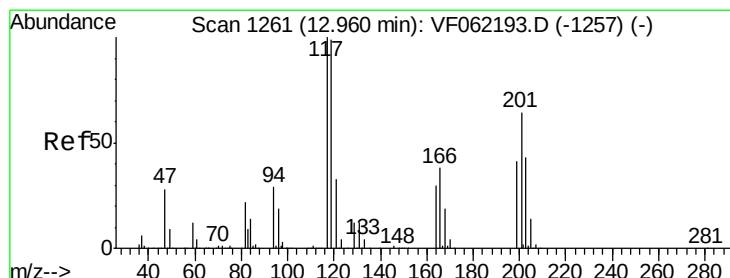
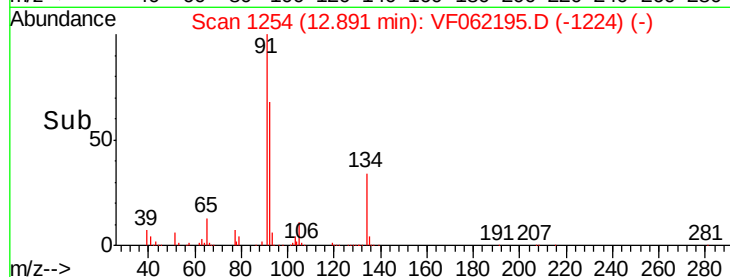
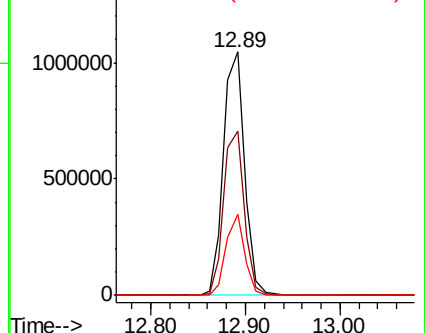
134 29.6 13.1 39.1



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: 147.410 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VF062195.D

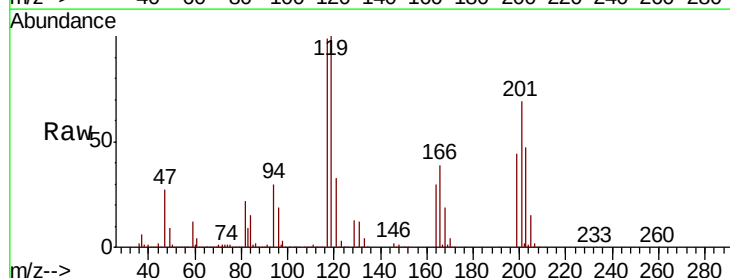
Acq: 17 Apr 2019 19:35

Tgt Ion: 117 Resp: 494522

Ion	Ratio	Lower	Upper
117	100		
201	78.3	37.7	113.1

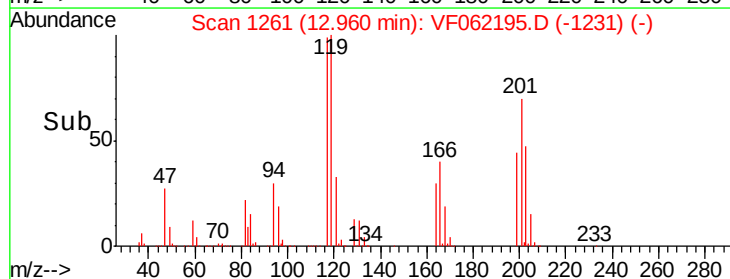
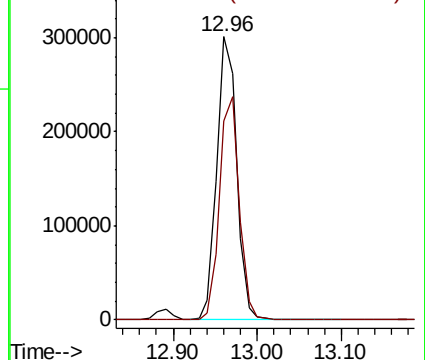
117 100

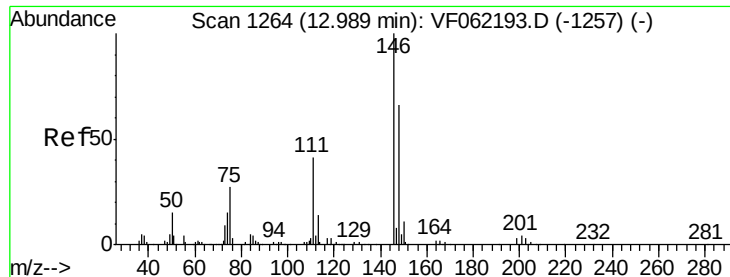
201 78.3 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

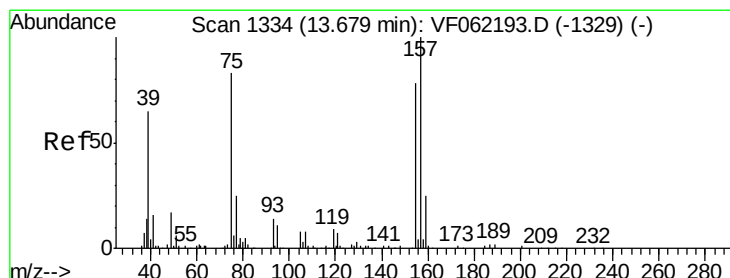
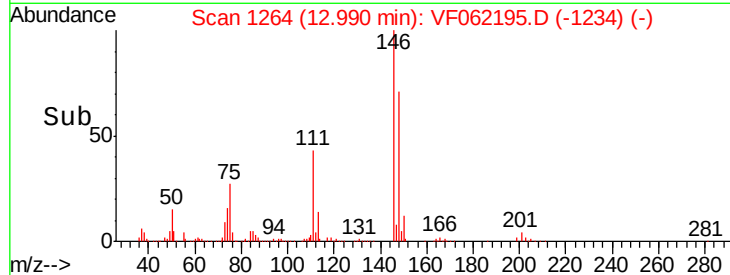
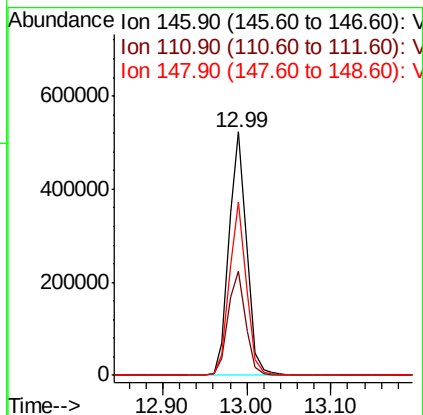
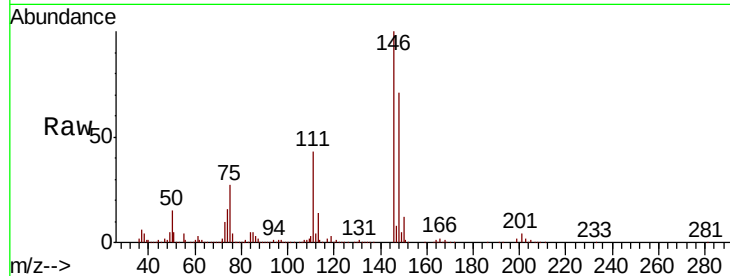




#91
 1,2-Dichlorobenzene
 Concen: 86.833 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

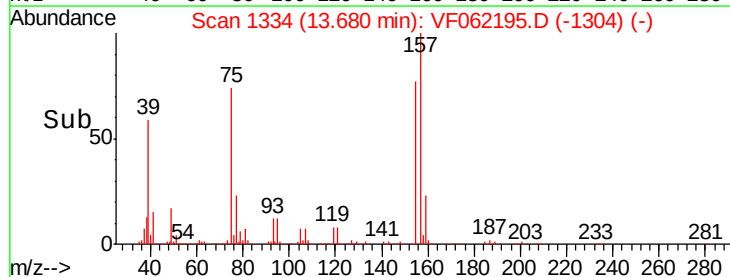
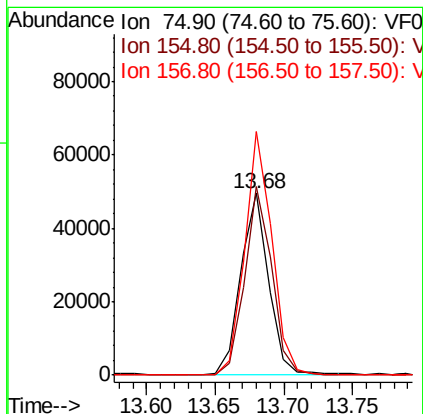
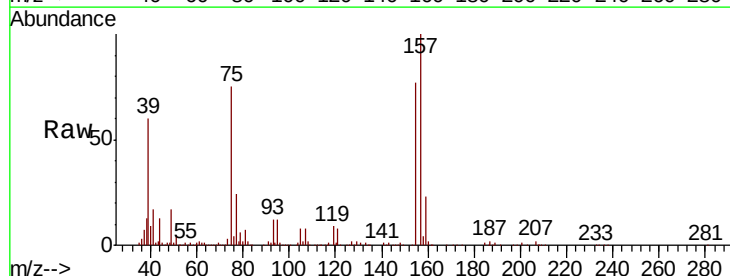
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

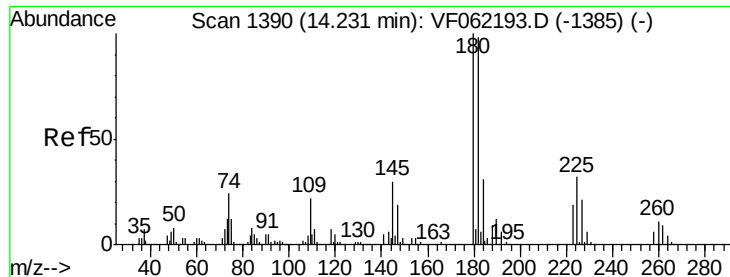
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.8	62.5
148	69.0	33.0	99.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.372 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.6	47.6	142.8
157	132.9	61.3	183.9

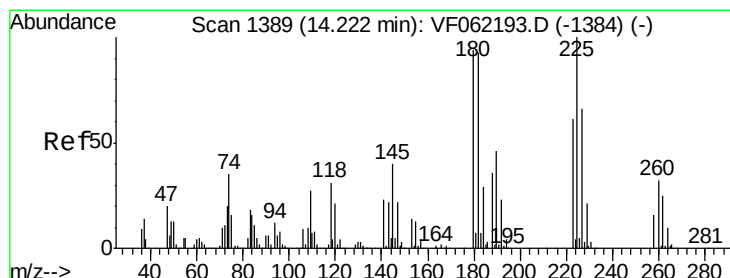
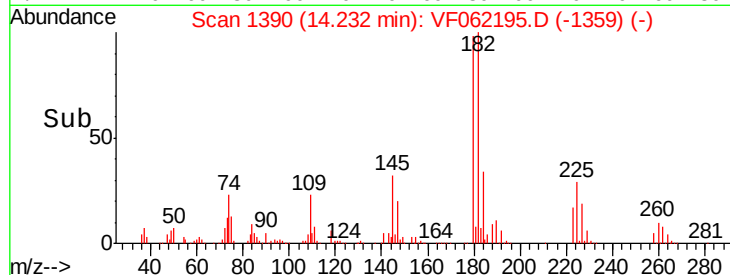
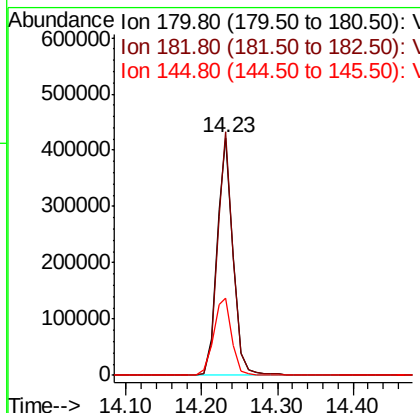
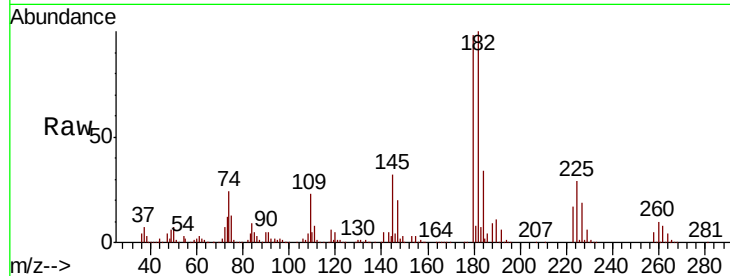




#93
 1,2,4-Trichlorobenzene
 Concen: 97.736 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

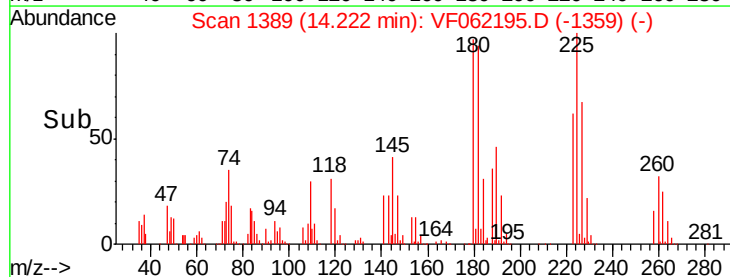
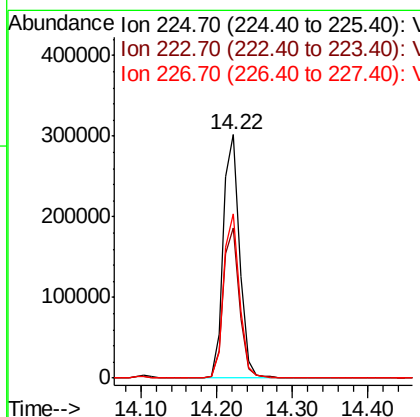
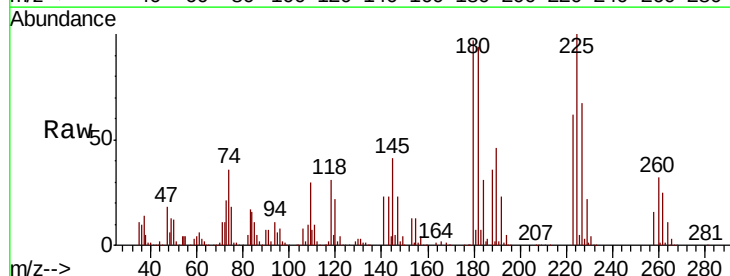
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

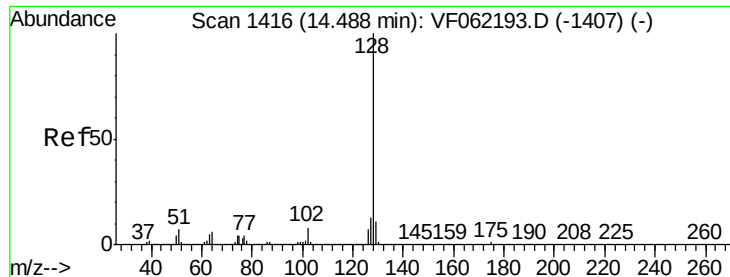
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.1	49.3	147.9
145	37.3	18.1	54.4



#94
 Hexachlorobutadiene
 Concen: 131.461 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.0	93.0
227	65.5	32.4	97.0

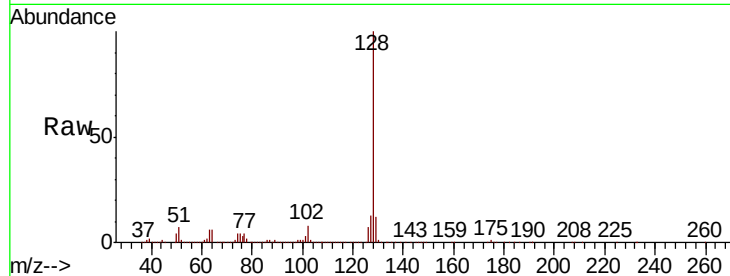




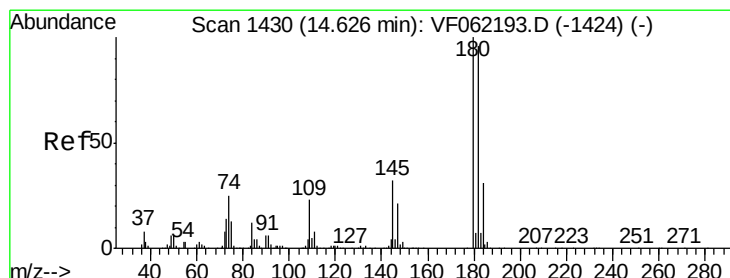
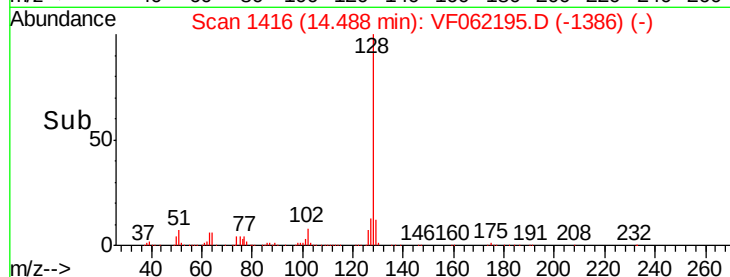
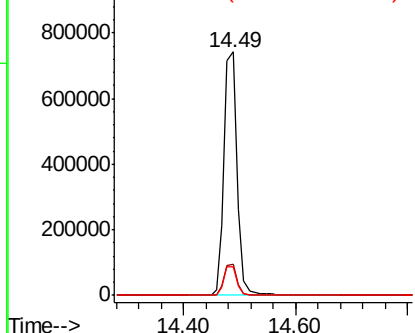
#95
Naphthalene
Concen: 63.635 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 1207530
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 11.7 9.2 13.8

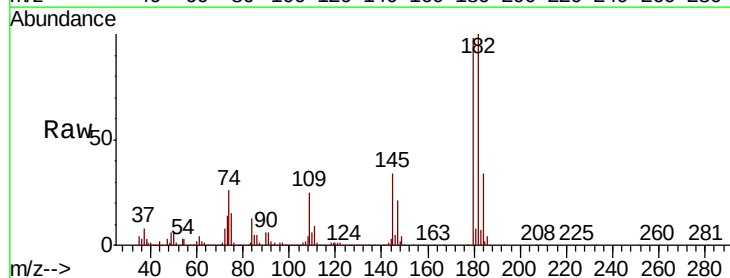


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 98.246 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion:180 Resp: 628940
Ion Ratio Lower Upper
180 100
182 100.3 48.4 145.3
145 32.2 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

