

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050619\
 Data File : VF062345.D
 Acq On : 6 May 2019 19:36
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: May 07 04:25:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 03:35:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	325324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	440156	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	356699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	202124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	231961	63.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.98%	
35) Dibromofluoromethane	4.31	113	260448	61.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.04%	
50) Toluene-d8	7.71	98	642700	62.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.26%	
62) 4-Bromofluorobenzene	11.49	95	272212	64.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	247935	54.193	ug/l	92
3) Chloromethane	1.15	50	166993	46.430	ug/l	97
4) Vinyl Chloride	1.19	62	172834	49.595	ug/l	95
5) Bromomethane	1.41	94	140338	55.319	ug/l	97
6) Chloroethane	1.45	64	86068	52.973	ug/l	93
7) Trichlorofluoromethane	1.55	101	367825m	59.692	ug/l	
8) Diethyl Ether	1.71	74	50290	48.926	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.92	101	213011	57.324	ug/l	98
10) Methyl Iodide	1.99	142	343693m	53.854	ug/l	
11) Tert butyl alcohol	2.70	59	60727	303.325	ug/l	97
12) 1,1-Dichloroethene	1.88	96	170750	52.475	ug/l	94
13) Acrolein	2.10	56	36415	242.016	ug/l	86
14) Allyl chloride	2.20	41	153117	46.272	ug/l	99
15) Acrylonitrile	3.09	53	118334	234.718	ug/l	98
16) Acetone	2.34	43	229593	305.957	ug/l	100
17) Carbon Disulfide	1.92	76	385398m	47.348	ug/l	
18) Methyl Acetate	2.46	43	82095	54.433	ug/l	93
19) Methyl tert-butyl Ether	2.55	73	367434	57.265	ug/l	98
20) Methylene Chloride	2.35	84	154046m	42.340	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	160865m	50.527	ug/l	
22) Diisopropyl ether	2.93	45	489382	50.789	ug/l	99
23) Vinyl Acetate	3.34	43	1117996	259.494	ug/l	100
24) 1,1-Dichloroethane	3.00	63	304240	54.460	ug/l	98
25) 2-Butanone	4.53	43	259137	235.180	ug/l	96
26) 2,2-Dichloropropane	3.77	77	160554	54.981	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	213274	52.167	ug/l	97
28) Bromochloromethane	3.90	49	140693	57.113	ug/l	96
29) Tetrahydrofuran	4.27	42	119226	248.071	ug/l	97
30) Chloroform	4.05	83	412419	57.264	ug/l	97
31) Cyclohexane	3.87	56	228687m	45.698	ug/l	
32) 1,1,1-Trichloroethane	4.29	97	338432m	63.989	ug/l	
36) 1,1-Dichloropropene	4.46	75	260750	53.331	ug/l	99
37) Ethyl Acetate	4.31	43	105167	51.358	ug/l #	97
38) Carbon Tetrachloride	4.18	117	279567	55.658	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	264157	47.914	ug/l	97
40) Benzene	4.82	78	572022	50.268	ug/l	96
41) Methacrylonitrile	4.93	41	58658	51.755	ug/l #	93
42) 1,2-Dichloroethane	5.12	62	245860	61.192	ug/l	99
43) Isopropyl Acetate	7.10	43	113153	51.326	ug/l #	98
44) Trichloroethene	5.68	130	207111	52.247	ug/l	95
45) 1,2-Dichloropropane	6.40	63	136595	52.551	ug/l	99
46) Dibromomethane	6.26	93	113498	57.927	ug/l	86
47) Bromodichloromethane	6.55	83	292565	62.103	ug/l	98
48) Methyl methacrylate	6.88	41	82785	53.496	ug/l	92
49) 1,4-Dioxane	6.87	88	17023	992.214	ug/l	91
51) 4-Methyl-2-Pentanone	8.40	43	442583	269.554	ug/l	100
52) Toluene	7.77	92	357768	53.425	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	201466	57.861	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	241358	55.561	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	115706	57.845	ug/l	95
56) Ethyl methacrylate	8.75	69	113478	52.627	ug/l	99
57) 1,3-Dichloropropane	8.99	76	172526	56.250	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	172692	270.390	ug/l	96
59) 2-Hexanone	9.62	43	288897	254.937	ug/l	99
60) Dibromochloromethane	8.86	129	199090	60.833	ug/l	99
61) 1,2-Dibromoethane	9.13	107	132534	56.757	ug/l	97
64) Tetrachloroethene	8.30	164	207046	57.403	ug/l	99
65) Chlorobenzene	9.93	112	426679	54.852	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	210540	56.058	ug/l	98
67) Ethyl Benzene	10.02	91	708985	52.511	ug/l	99
68) m/p-Xylenes	10.26	106	524395	105.699	ug/l	97
69) o-Xylene	10.81	106	295131	53.143	ug/l	100
70) Styrene	10.89	104	421687	52.355	ug/l	99
71) Bromoform	10.87	173	119834	57.131	ug/l #	98
73) Isopropylbenzene	11.22	105	895221	54.648	ug/l	99
74) N-amyl acetate	11.44	43	184390	51.081	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	143863	55.689	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	101298	53.823	ug/l #	100
77) Bromobenzene	11.58	156	232274	56.078	ug/l	99
78) n-propylbenzene	11.67	91	927819	54.388	ug/l	99
79) 2-Chlorotoluene	11.80	91	571079	54.470	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	740061	53.672	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.93	75	40588m	52.275	ug/l	
82) 4-Chlorotoluene	11.97	91	561640	54.529	ug/l	100
83) tert-Butylbenzene	12.19	119	824222	57.270	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	747309	55.269	ug/l	97
85) sec-Butylbenzene	12.37	105	1021174	57.630	ug/l	97
86) p-Isopropyltoluene	12.52	119	906223	56.647	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	398378	54.657	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	386209	54.796	ug/l	99
89) n-Butylbenzene	12.89	91	774513	53.940	ug/l	99
90) Hexachloroethane	12.97	117	237782	58.507	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	384401	54.617	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	31433	58.281	ug/l	99

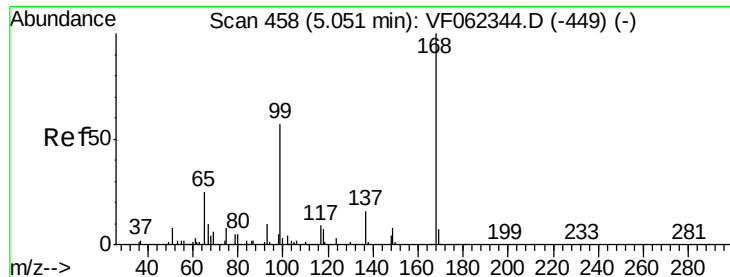
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF050619\
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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 03:35:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	349851	55.928	ug/l	98
94) Hexachlorobutadiene	14.22	225	275917	60.300	ug/l	98
95) Naphthalene	14.49	128	585047	60.025	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	355925	59.236	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

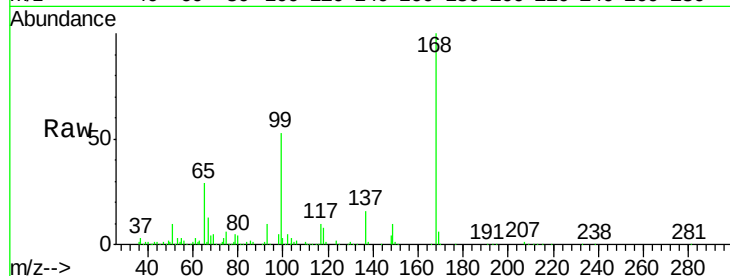
VSTDIC075

Tot Ion:168 Resp: 325324

Ion Ratio Lower Upper

168 100

99 52.6 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.05

120000

100000

80000

60000

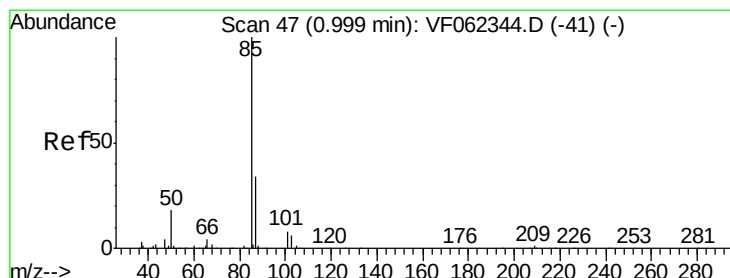
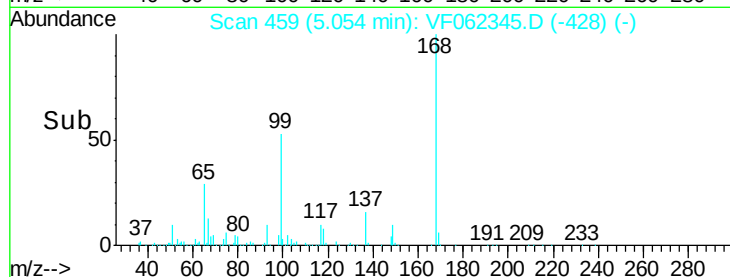
40000

20000

0

Time-->

5.00 5.20



#2

Dichlorodifluoromethane

Concen: 54.193 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062345.D

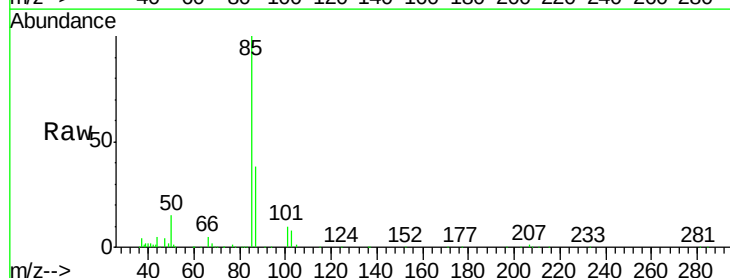
Acq: 6 May 2019 19:36

Tgt Ion: 85 Resp: 247935

Ion Ratio Lower Upper

85 100

87 38.0 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

60000

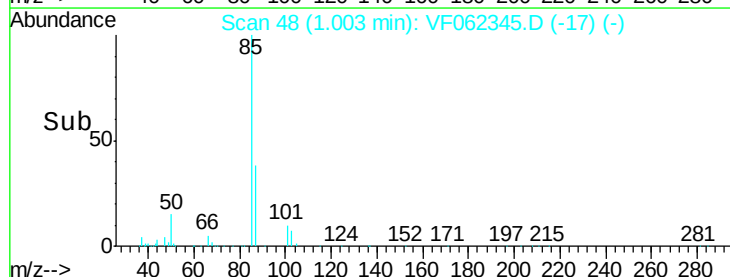
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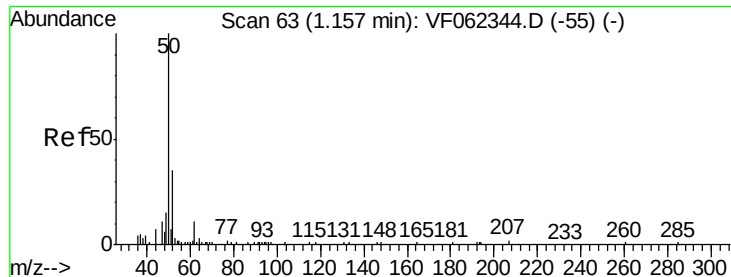
20000

0

Time-->

0.80 1.00 1.20





#3

Chloromethane

Concen: 46.430 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

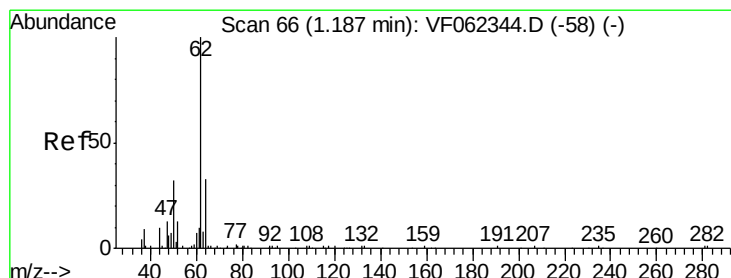
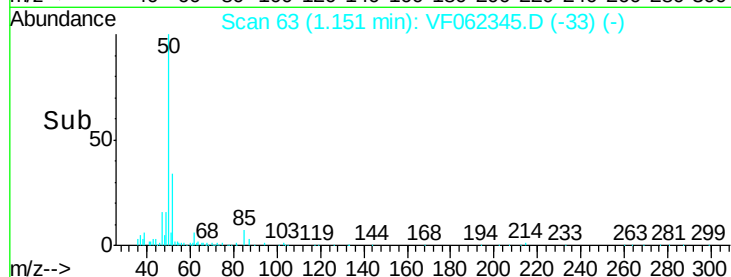
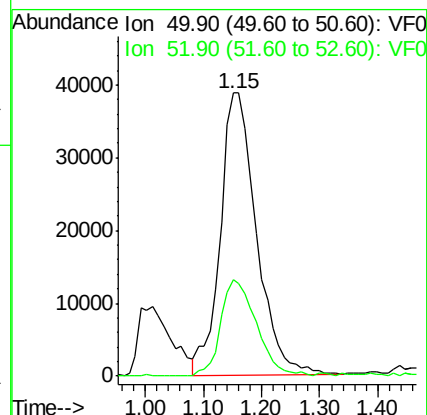
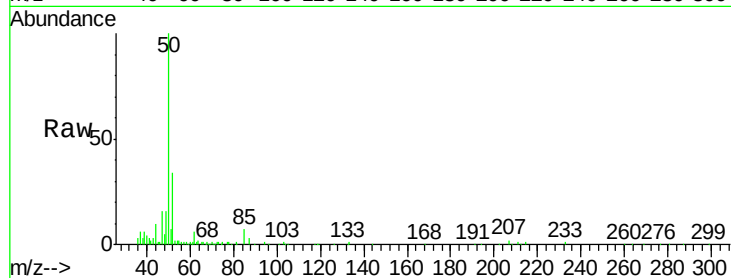
VSTDIC075

Tot Ion: 50 Resp: 166993

Ion Ratio Lower Upper

50 100

52 34.4 26.1 39.1



#4

Vinyl Chloride

Concen: 49.595 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062345.D

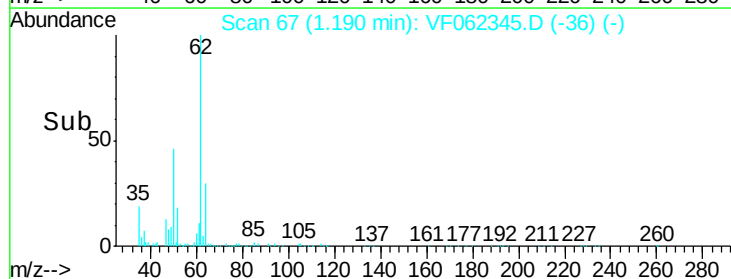
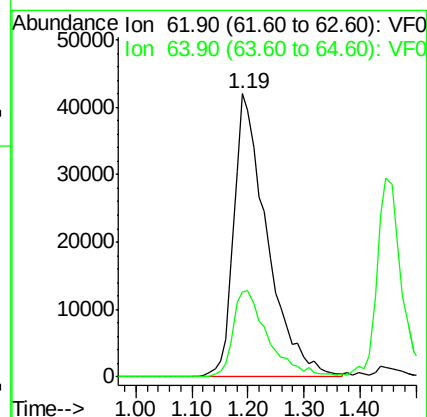
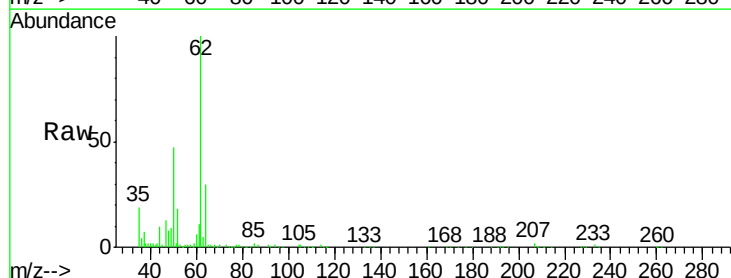
Acq: 6 May 2019 19:36

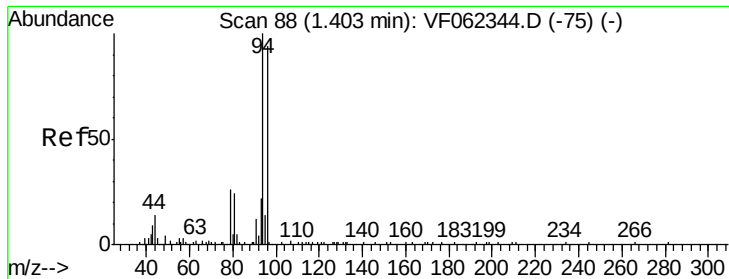
Tgt Ion: 62 Resp: 172834

Ion Ratio Lower Upper

62 100

64 30.0 26.1 39.1





#5

Bromomethane

Concen: 55.319 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

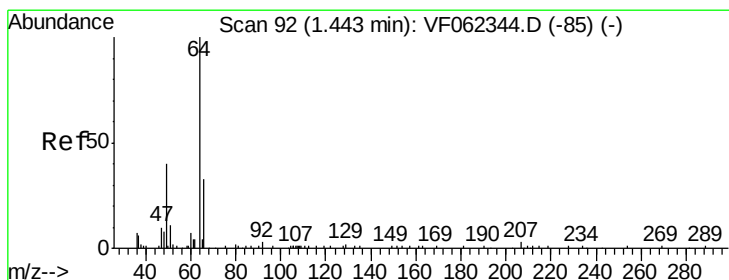
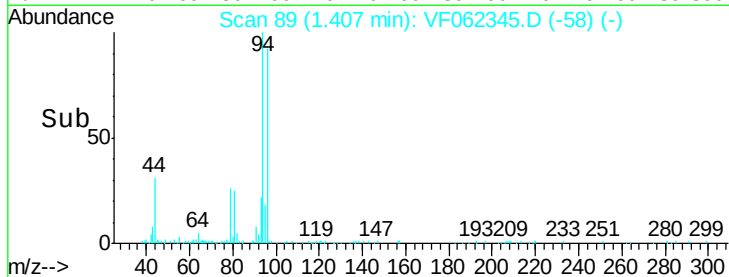
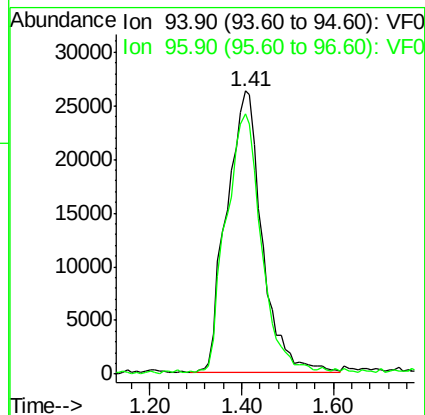
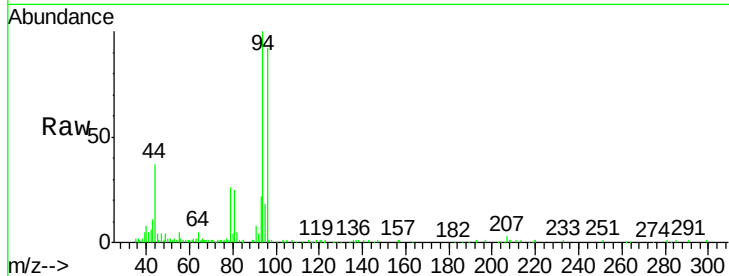
VSTDIC075

Tot Ion: 94 Resp: 140338

Ion Ratio Lower Upper

94 100

96 91.7 75.4 113.2



#6

Chloroethane

Concen: 52.973 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062345.D

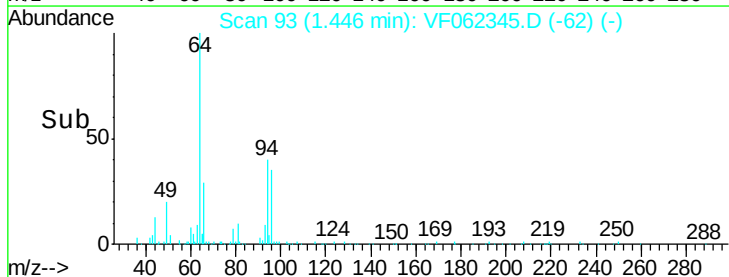
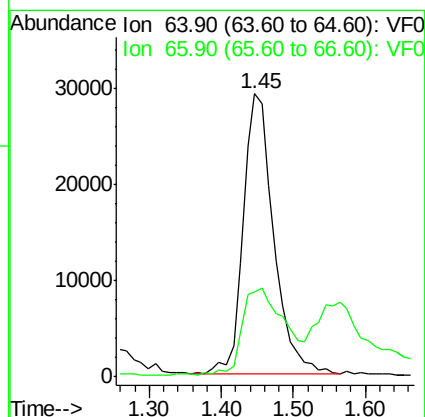
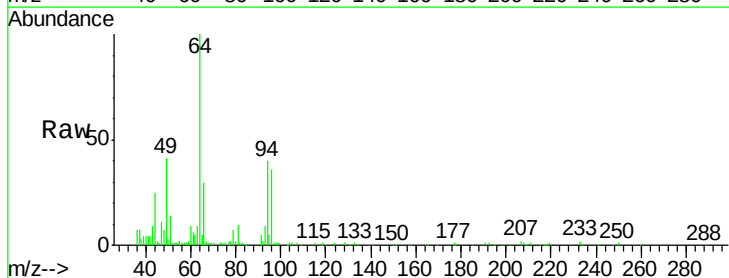
Acq: 6 May 2019 19:36

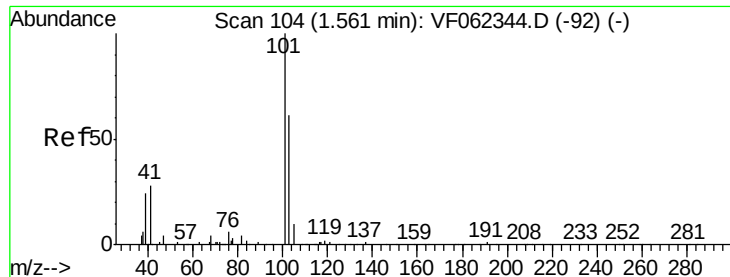
Tgt Ion: 64 Resp: 86068

Ion Ratio Lower Upper

64 100

66 29.3 26.6 39.8



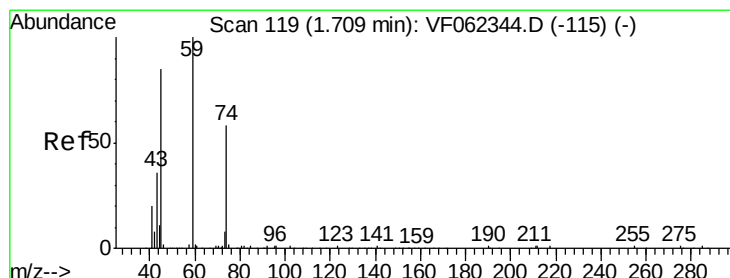
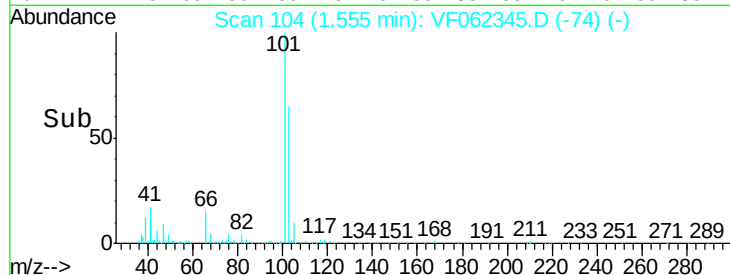
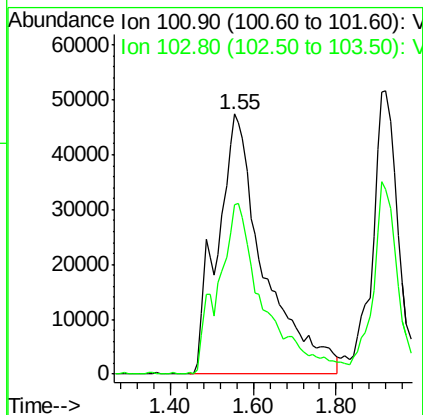
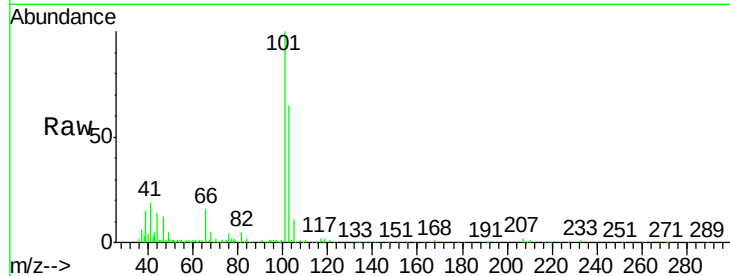


#7

Trichlorofluoromethane
Concen: 59.692 ug/l m
RT: 1.55 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062345.D
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VSTDIC075

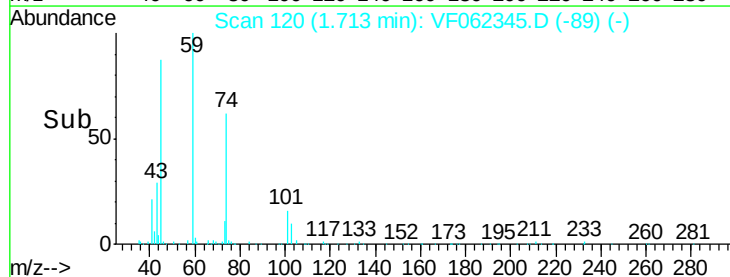
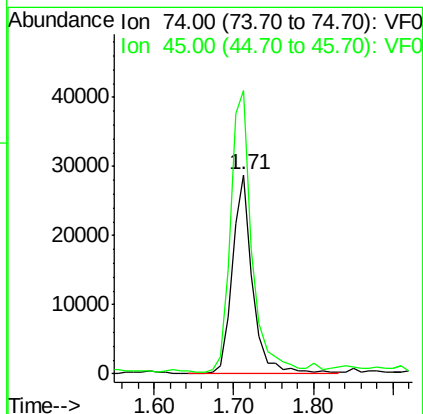
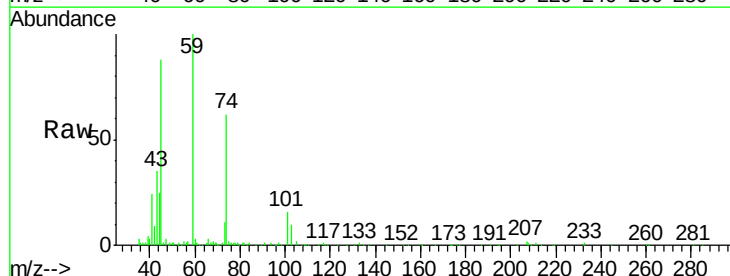
Tot Ion:101 Resp: 367825
Ion Ratio Lower Upper
101 100
103 65.4 48.5 72.7

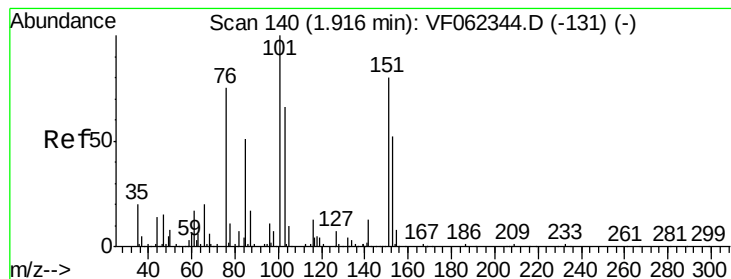


#8

Diethyl Ether
Concen: 48.926 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

Tgt Ion: 74 Resp: 50290
Ion Ratio Lower Upper
74 100
45 150.8 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.324 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

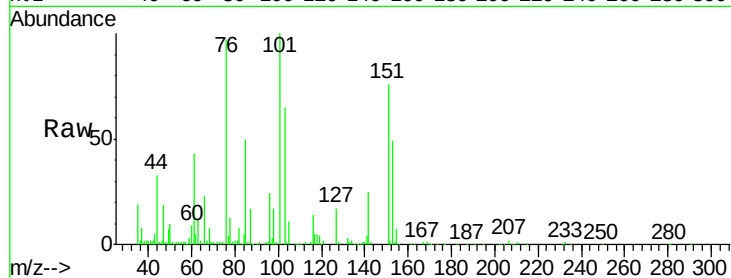
Tot Ion:101 Resp: 213011

Ion Ratio Lower Upper

101 100

85 47.6 39.5 59.3

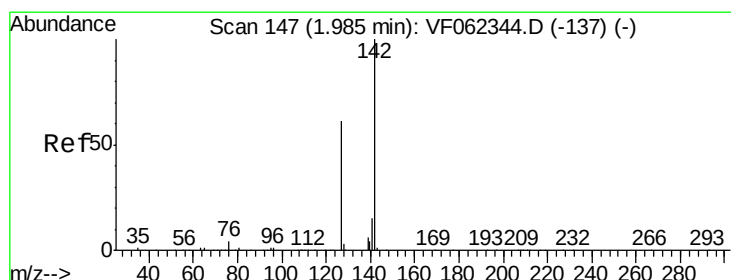
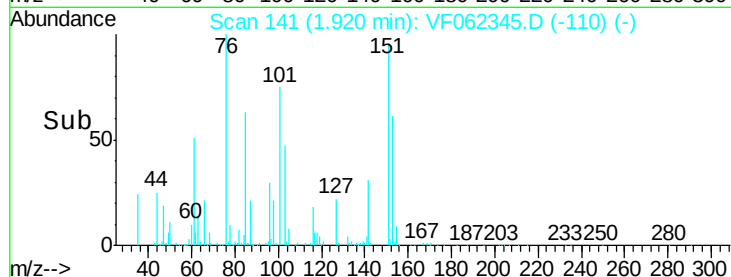
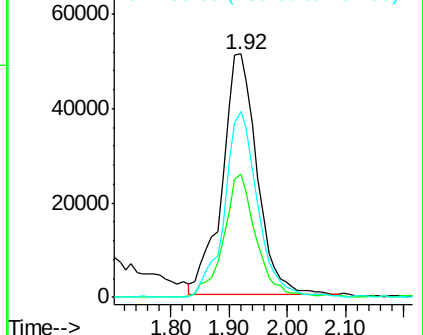
151 73.1 59.9 89.9



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: 53.854 ug/l m

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

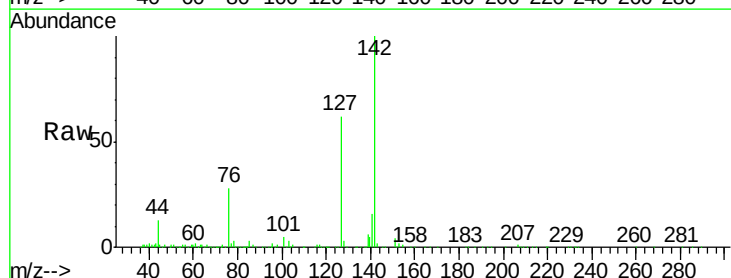
Tgt Ion:142 Resp: 343693

Ion Ratio Lower Upper

142 100

127 52.1 48.4 72.6

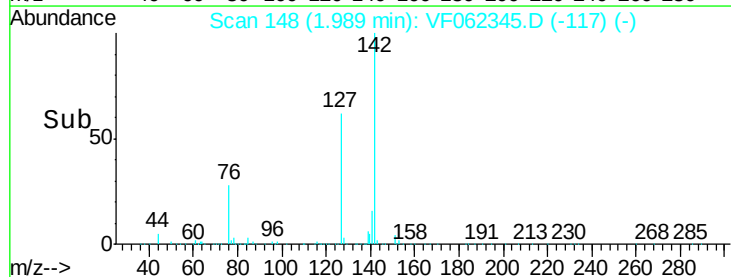
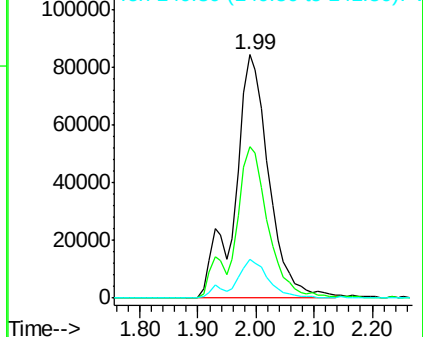
141 13.1 12.2 18.4

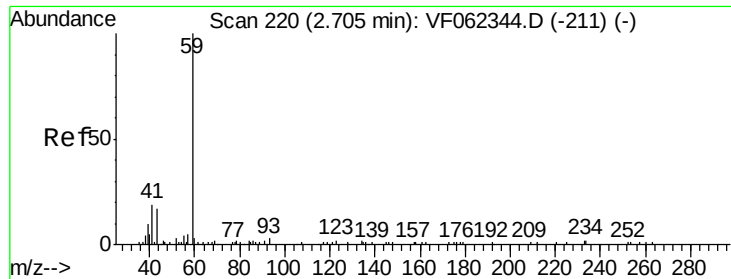


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



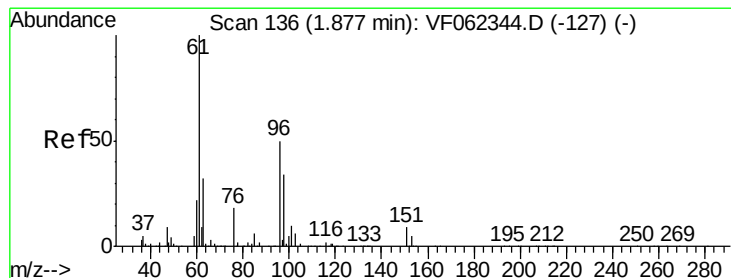
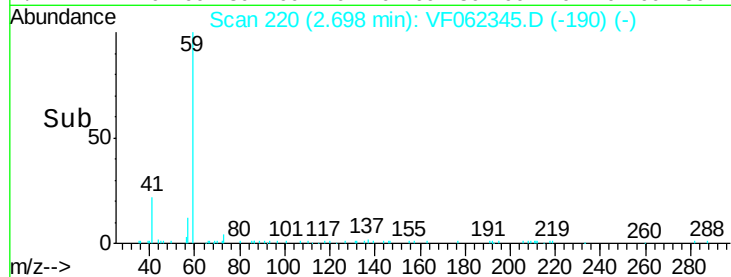
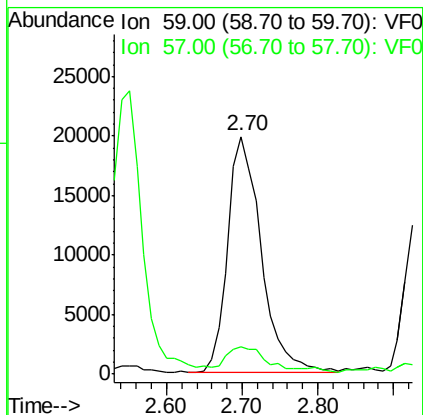
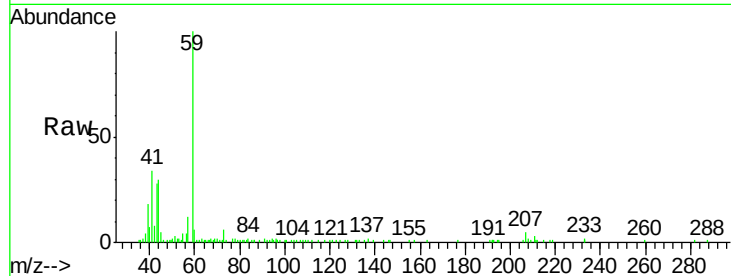


#11

Tert butyl alcohol
 Concen: 303.325 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

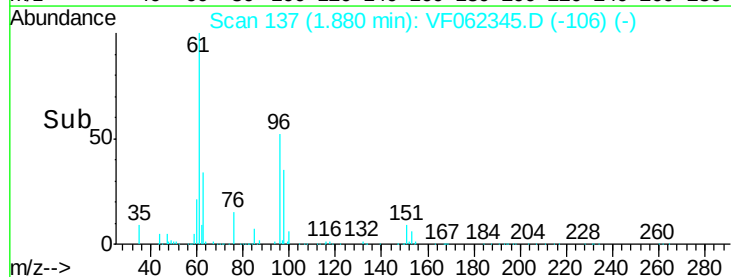
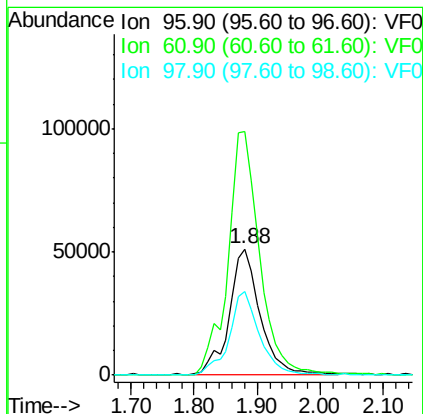
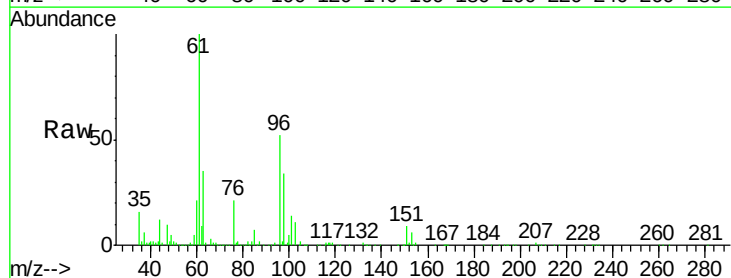
Tot Ion: 59 Resp: 60727
 Ion Ratio Lower Upper
 59 100
 57 10.3 9.3 13.9

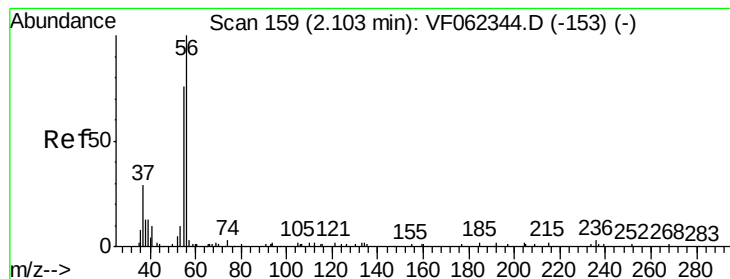


#12

1,1-Dichloroethene
 Concen: 52.475 ug/l
 RT: 1.88 min Scan# 137
 Delta R.T. 0.00 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

Tgt Ion: 96 Resp: 170750
 Ion Ratio Lower Upper
 96 100
 61 193.8 163.2 244.8
 98 66.8 55.2 82.8





#13

Acrolein

Concen: 242.016 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

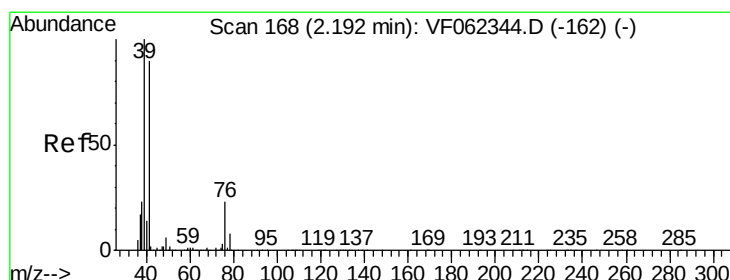
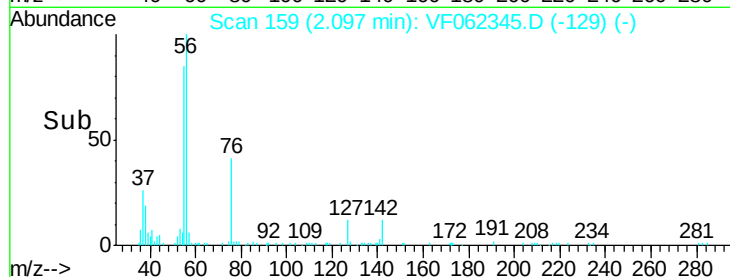
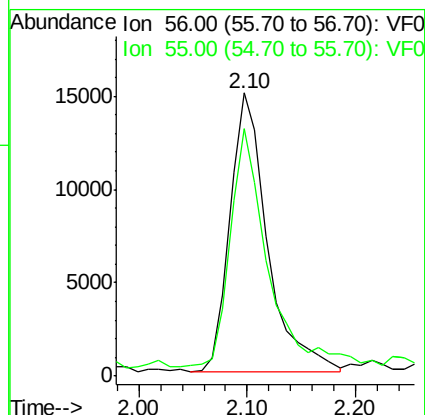
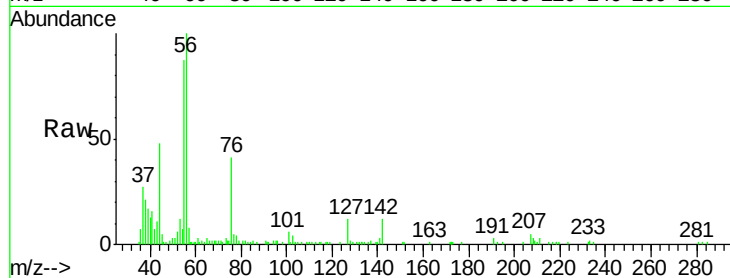
VSTDIC075

Tot Ion: 56 Resp: 36415

Ion Ratio Lower Upper

56 100

55 84.8 58.4 87.6



#14

Allyl chloride

Concen: 46.272 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

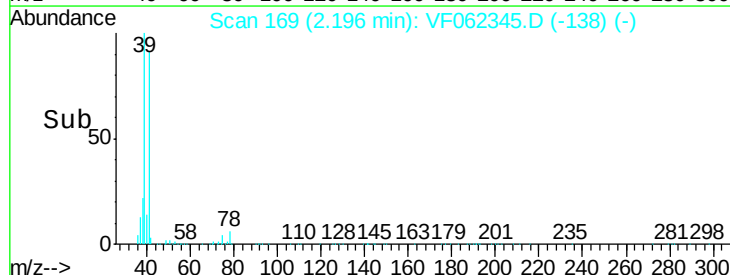
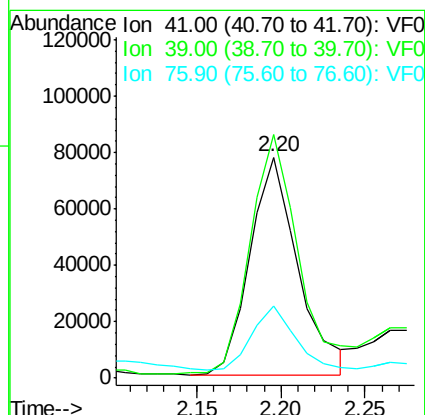
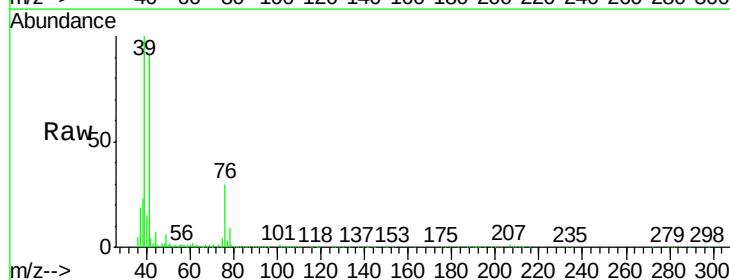
Tgt Ion: 41 Resp: 153117

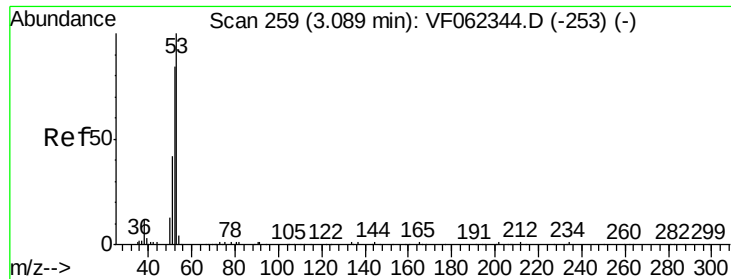
Ion Ratio Lower Upper

41 100

39 114.6 90.8 136.2

76 27.6 22.2 33.4





#15

Acrylonitrile

Concen: 234.718 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

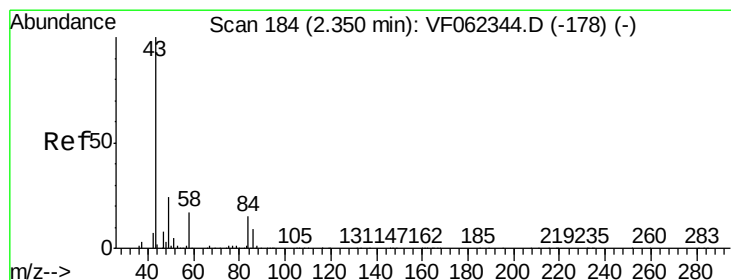
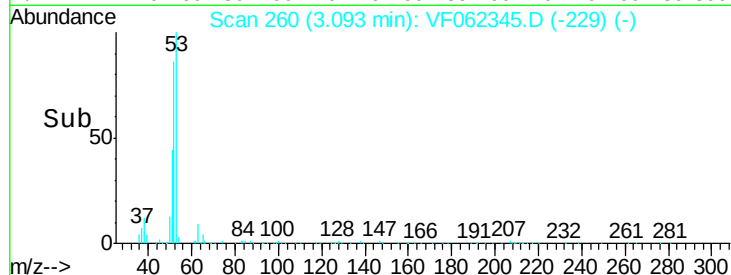
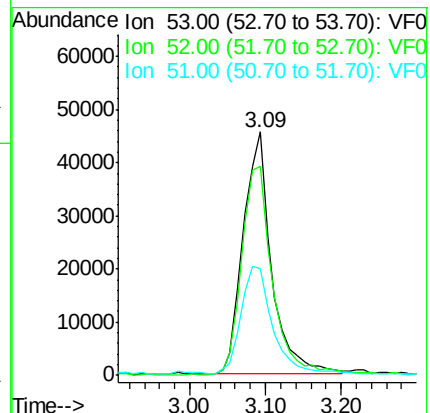
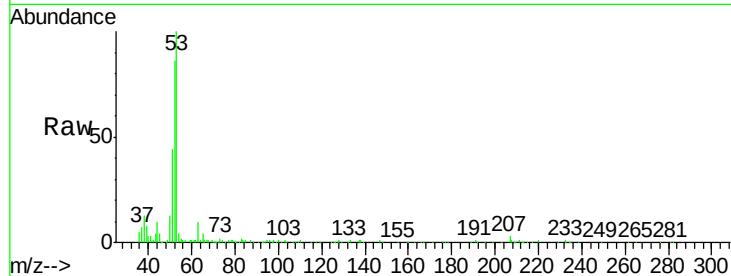
MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 53 Resp: 118334

Ion	Ratio	Lower	Upper
53	100		
52	93.8	77.2	115.8
51	49.8	40.6	61.0



#16

Acetone

Concen: 305.957 ug/l

RT: 2.34 min Scan# 184

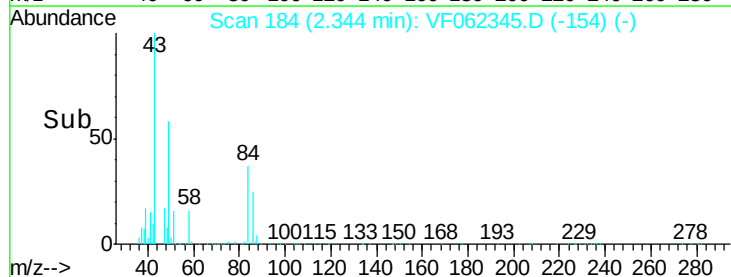
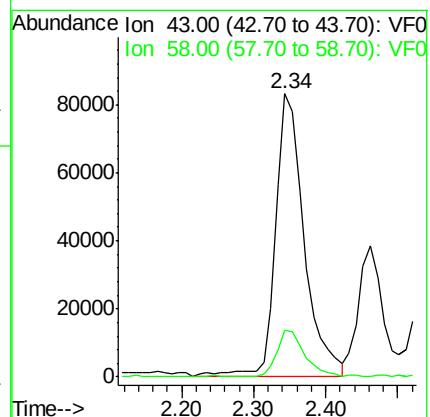
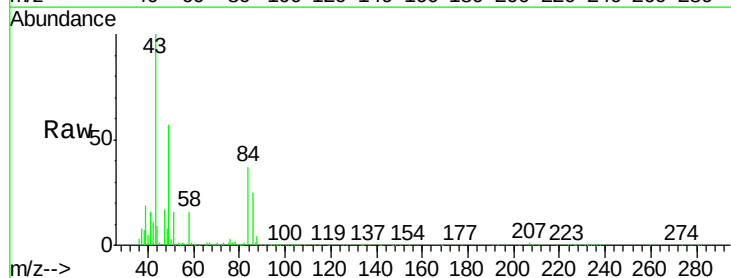
Delta R.T. -0.01 min

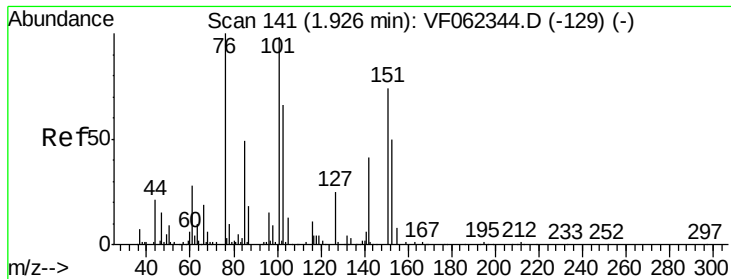
Lab File: VF062345.D

Acq: 6 May 2019 19:36

Tgt Ion: 43 Resp: 229593

Ion	Ratio	Lower	Upper
43	100		
58	16.2	13.1	19.7





#17

Carbon Disulfide

Concen: 47.348 ug/l m

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

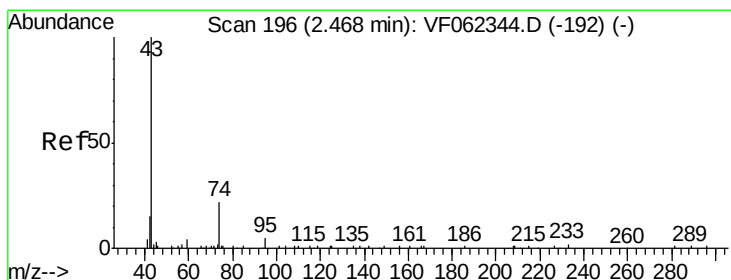
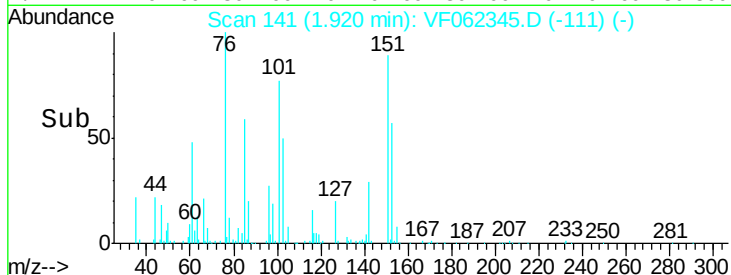
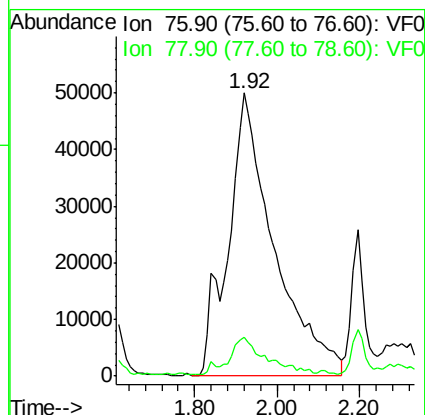
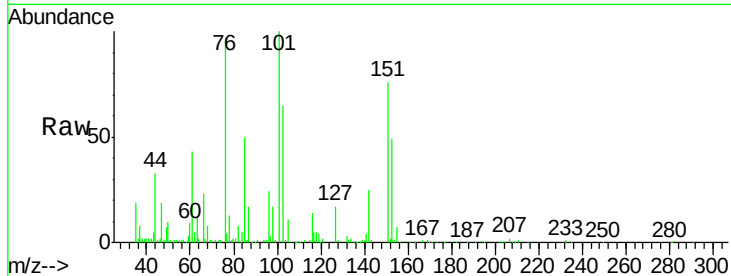
VSTDIC075

Tot Ion: 76 Resp: 385398

Ion Ratio Lower Upper

76 100

78 13.8 9.0 13.4#



#18

Methyl Acetate

Concen: 54.433 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.01 min

Lab File: VF062345.D

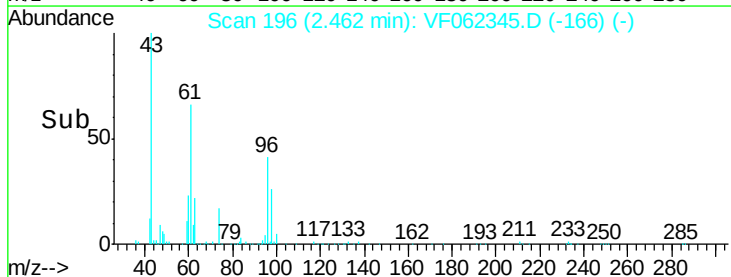
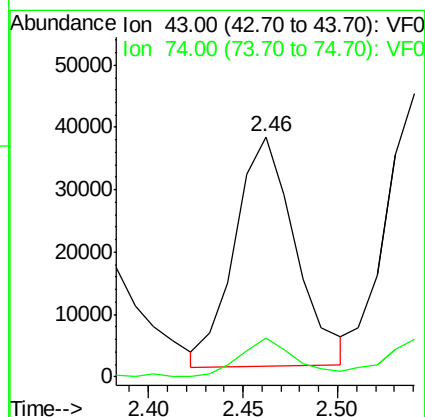
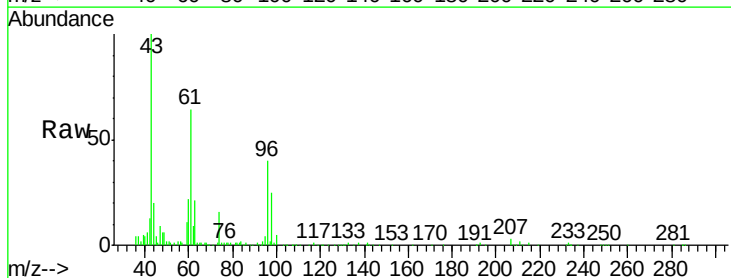
Acq: 6 May 2019 19:36

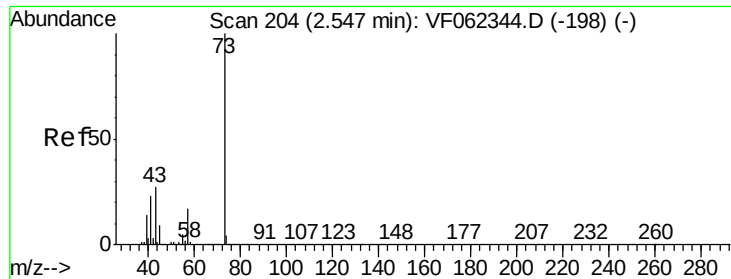
Tgt Ion: 43 Resp: 82095

Ion Ratio Lower Upper

43 100

74 15.5 15.0 22.4



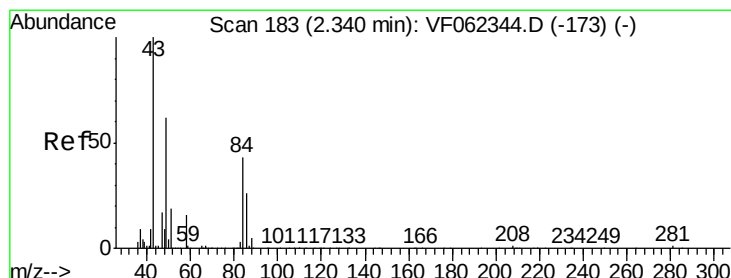
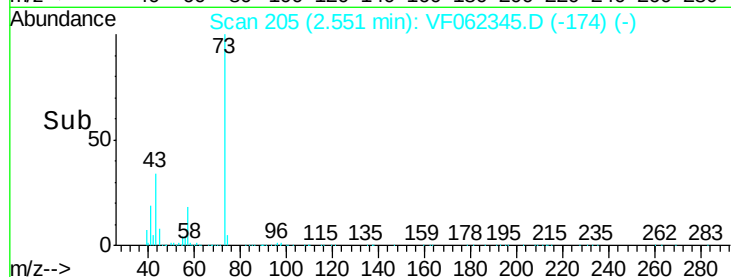
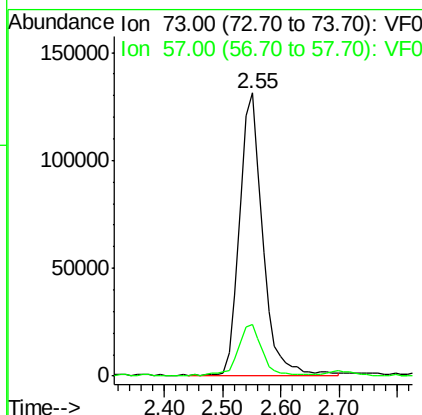
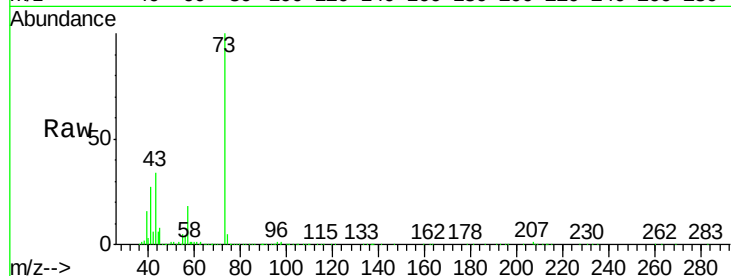


#19

Methyl tert-butyl Ether
 Concen: 57.265 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

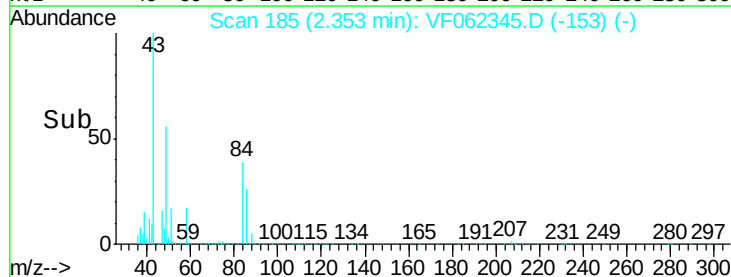
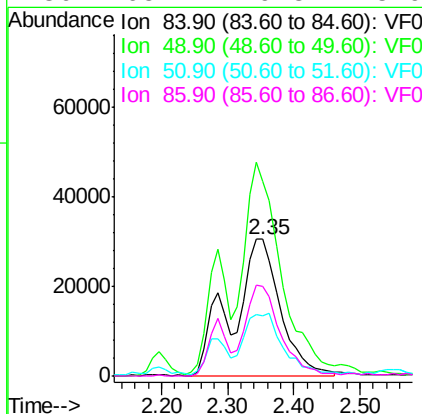
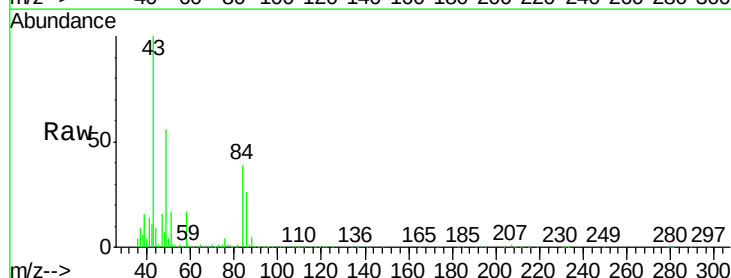
Tot Ion: 73 Resp: 367434
 Ion Ratio Lower Upper
 73 100
 57 17.9 13.7 20.5

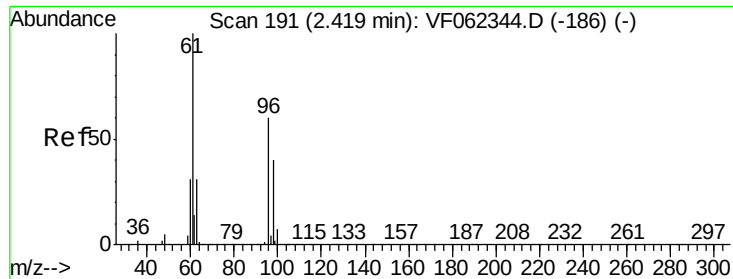


#20

Methylene Chloride
 Concen: 42.340 ug/l m
 RT: 2.35 min Scan# 185
 Delta R.T. 0.01 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

Tgt Ion: 84 Resp: 154046
 Ion Ratio Lower Upper
 84 100
 49 142.2 117.5 176.3
 51 43.8 37.0 55.4
 86 65.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 50.527 ug/l m

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

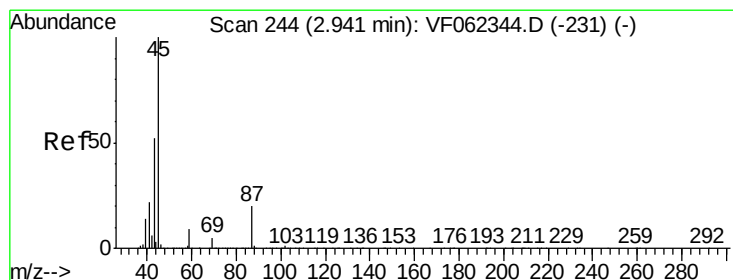
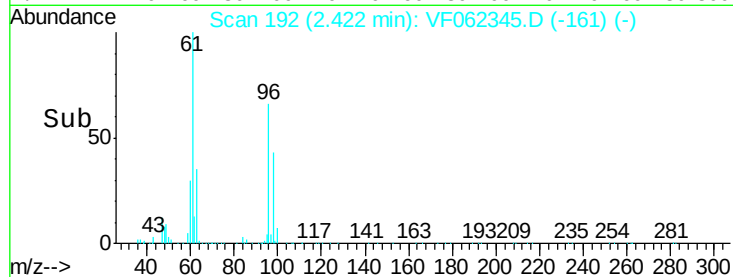
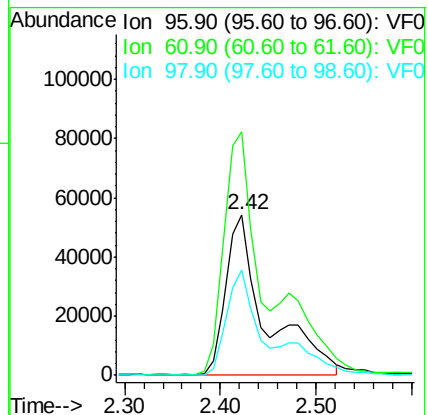
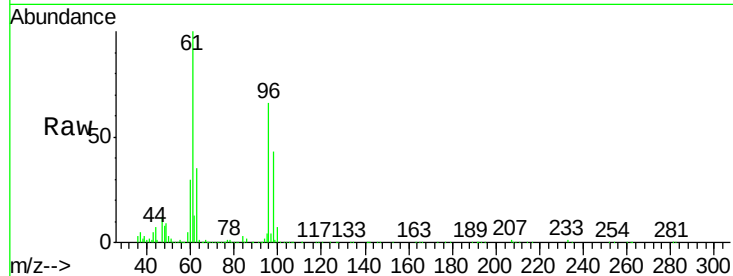
Tot Ion: 96 Resp: 160865

Ion Ratio Lower Upper

96 100

61 151.5 133.2 199.8

98 65.2 53.1 79.7



#22

Diisopropyl ether

Concen: 50.789 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Tgt Ion: 45 Resp: 489382

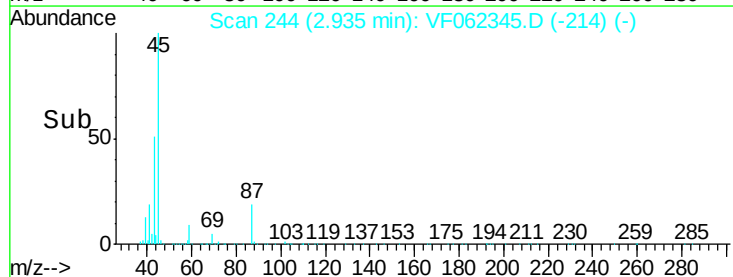
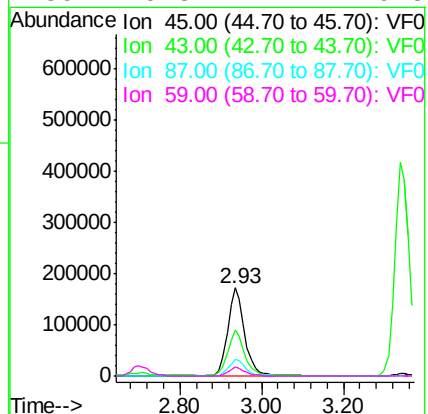
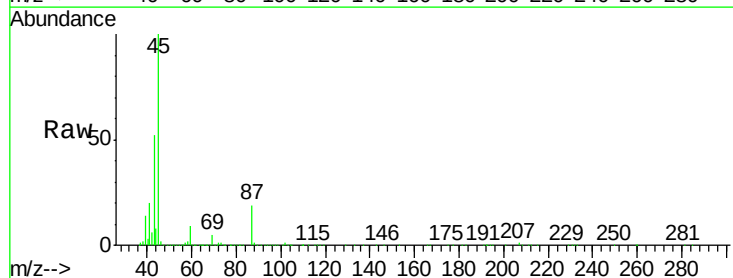
Ion Ratio Lower Upper

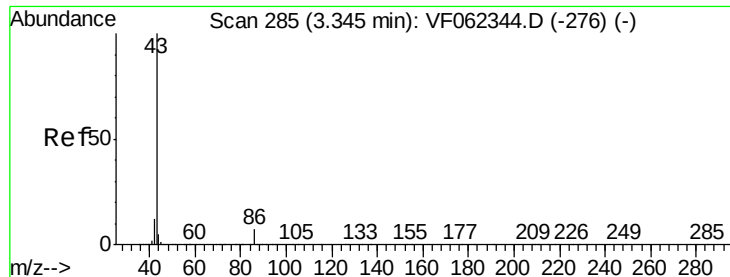
45 100

43 51.3 41.4 62.0

87 18.9 15.8 23.6

59 9.3 7.2 10.8





#23

Vinyl Acetate

Concen: 259.494 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

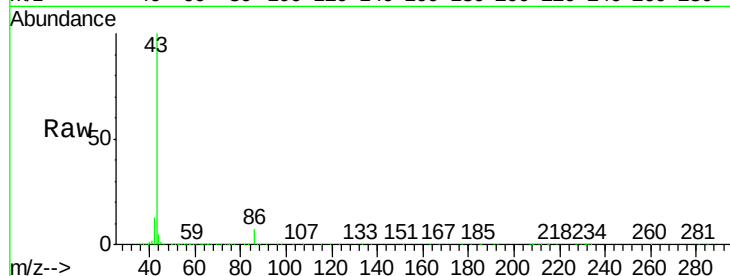
VSTDIC075

Tot Ion: 43 Resp: 1117996

Ion Ratio Lower Upper

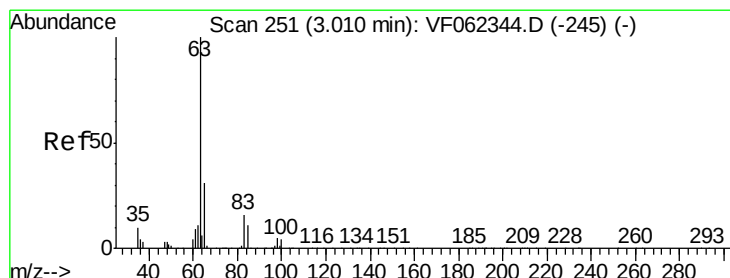
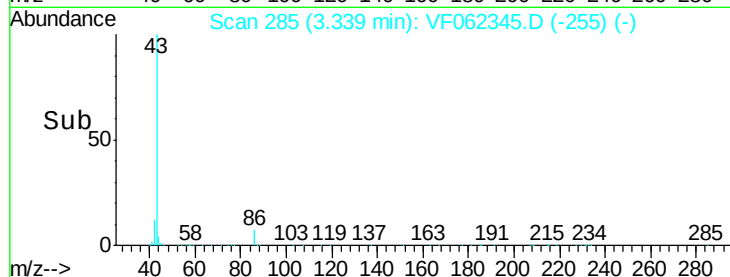
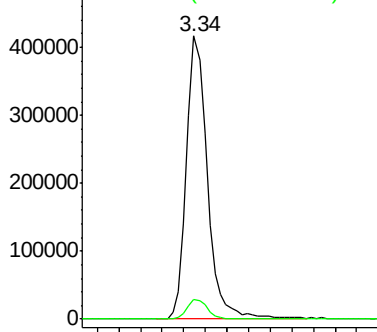
43 100

86 7.2 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 54.460 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

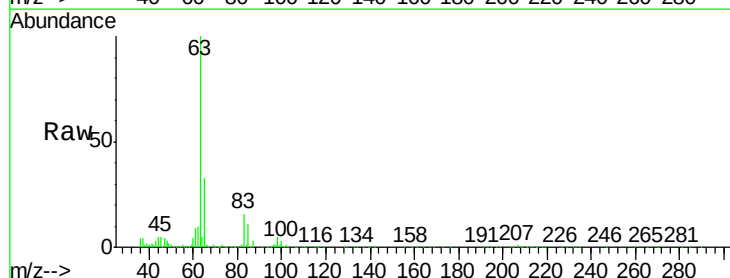
Tgt Ion: 63 Resp: 304240

Ion Ratio Lower Upper

63 100

98 4.5 2.6 8.0

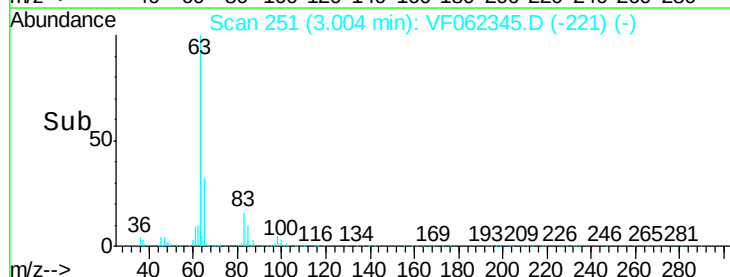
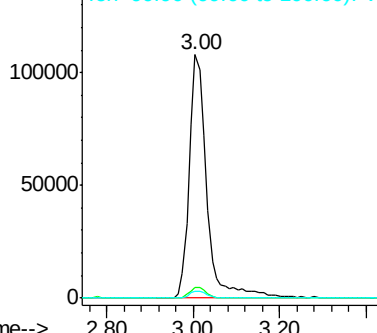
100 3.0 1.8 5.4

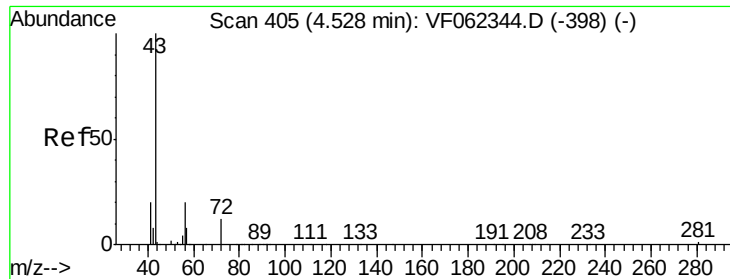


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 235.180 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

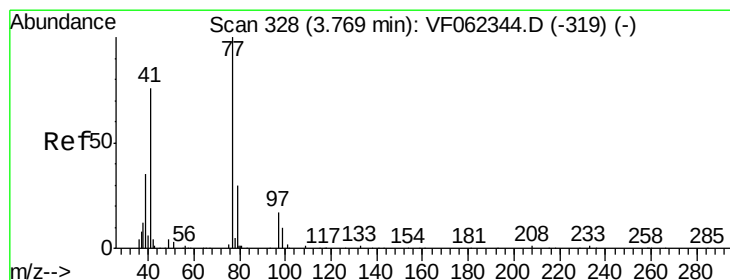
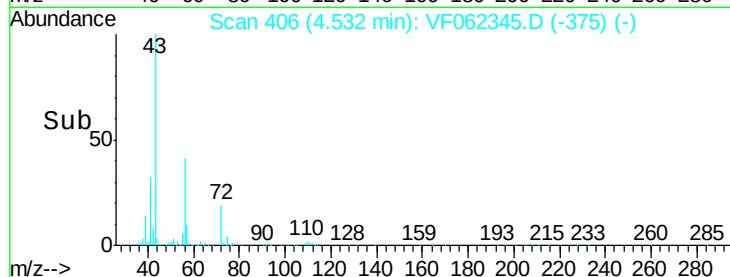
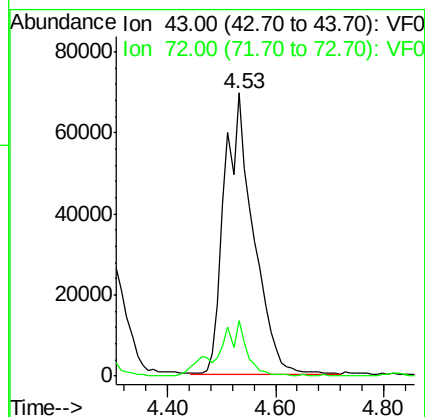
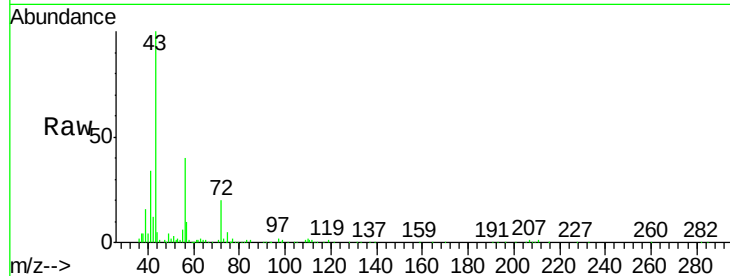
VSTDIC075

Tot Ion: 43 Resp: 259137

Ion Ratio Lower Upper

43 100

72 19.7 14.2 21.4



#26

2,2-Dichloropropane

Concen: 54.981 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF062345.D

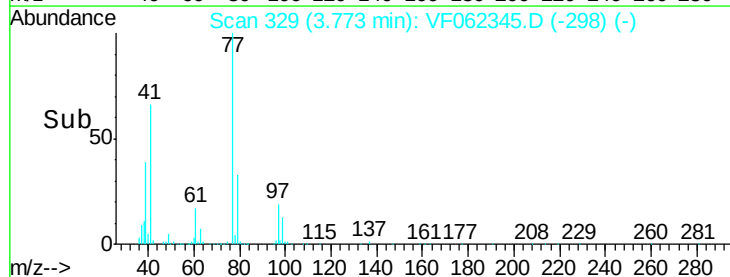
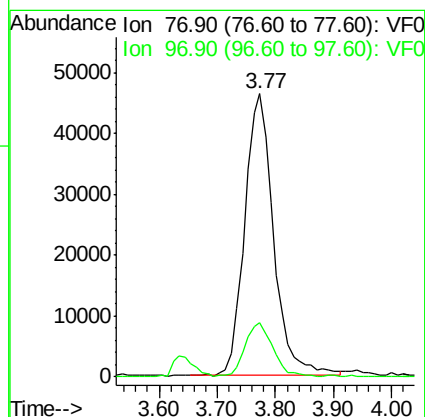
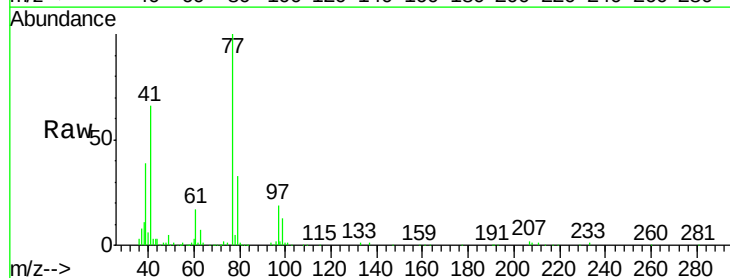
Acq: 6 May 2019 19:36

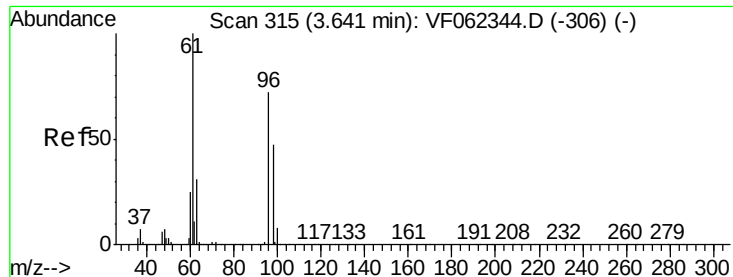
Tgt Ion: 77 Resp: 160554

Ion Ratio Lower Upper

77 100

97 19.0 9.5 28.5



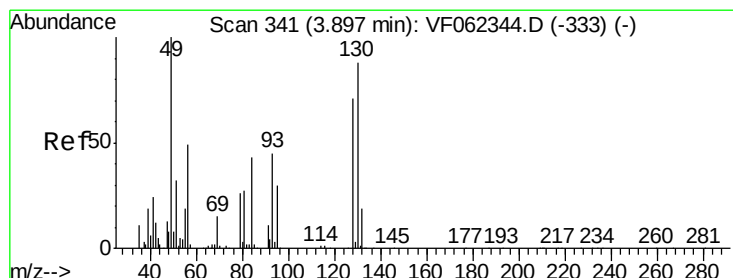
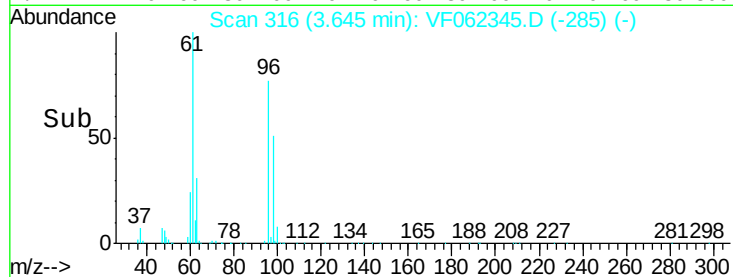
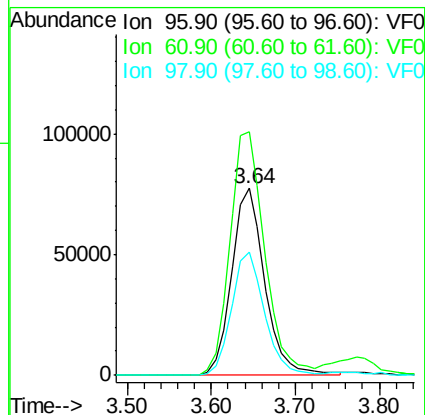
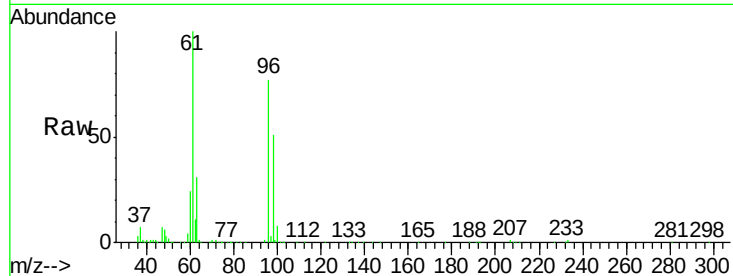


#27

cis-1,2-Dichloroethene
Concen: 52.167 ug/l
RT: 3.64 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

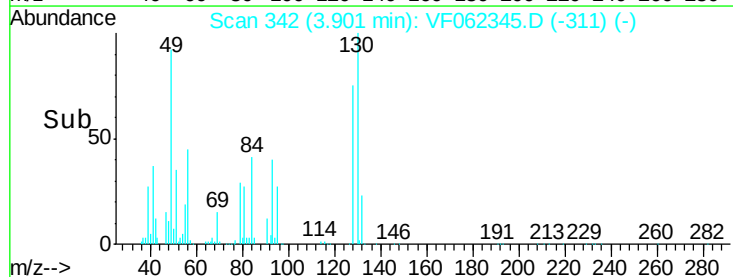
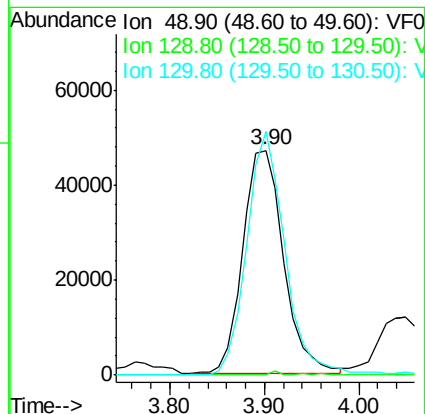
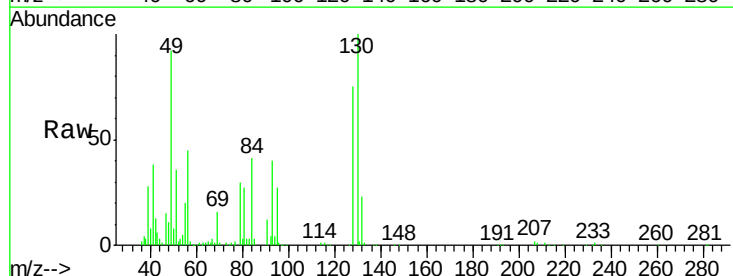
Tot Ion: 96 Resp: 213274
Ion Ratio Lower Upper
96 100
61 136.2 0.0 263.0
98 65.4 0.0 130.8

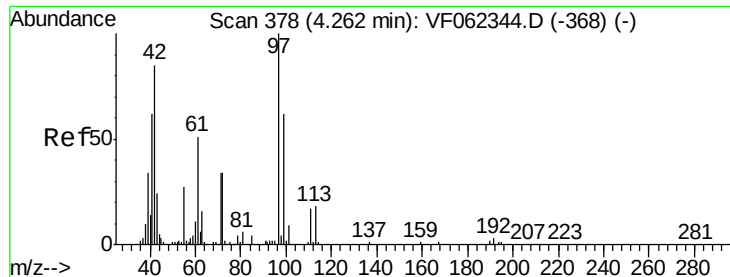


#28

Bromochloromethane
Concen: 57.113 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

Tgt Ion: 49 Resp: 140693
Ion Ratio Lower Upper
49 100
129 0.4 0.0 2.2
130 102.9 79.4 119.0





#29

Tetrahydrofuran

Concen: 248.071 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

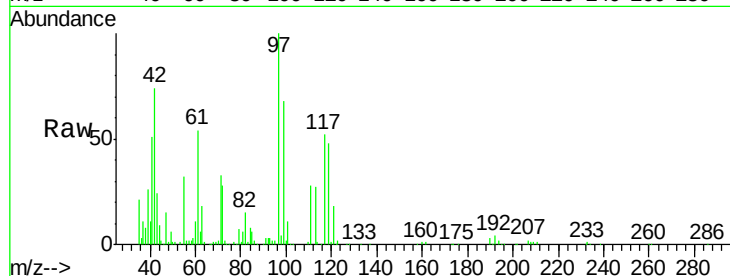
Tot Ion: 42 Resp: 119226

Ion Ratio Lower Upper

42 100

72 37.4 31.4 47.0

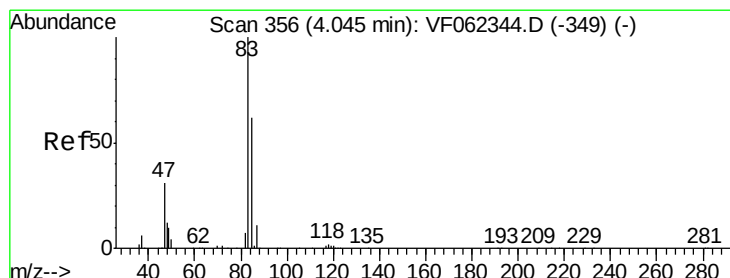
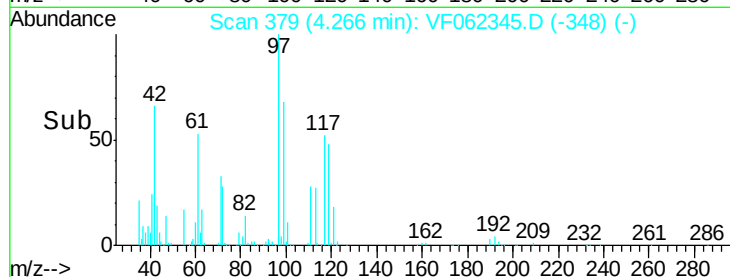
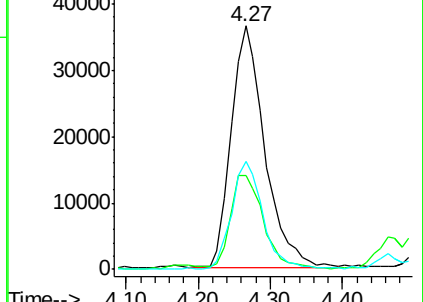
71 41.7 31.7 47.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 57.264 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.00 min

Lab File: VF062345.D

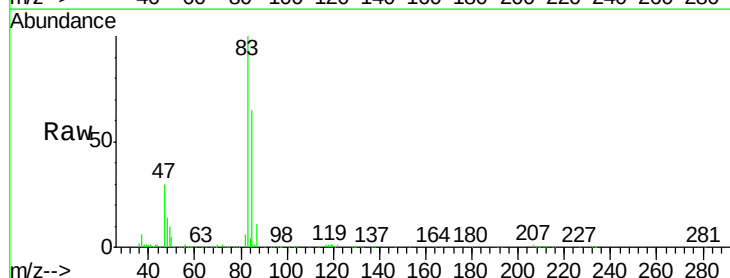
Acq: 6 May 2019 19:36

Tgt Ion: 83 Resp: 412419

Ion Ratio Lower Upper

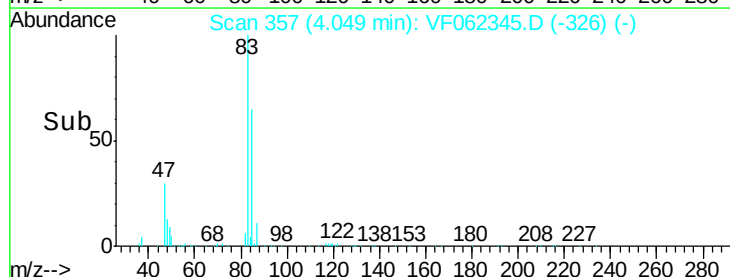
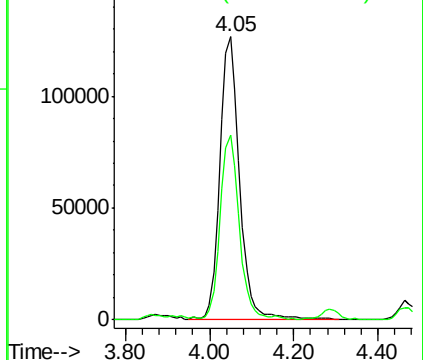
83 100

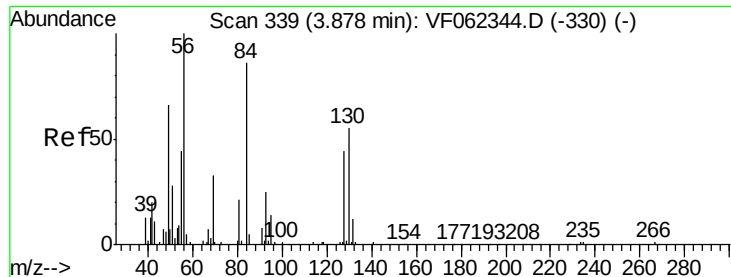
85 64.3 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0





#31

Cyclohexane

Concen: 45.698 ug/l m

RT: 3.87 min Scan# 339

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

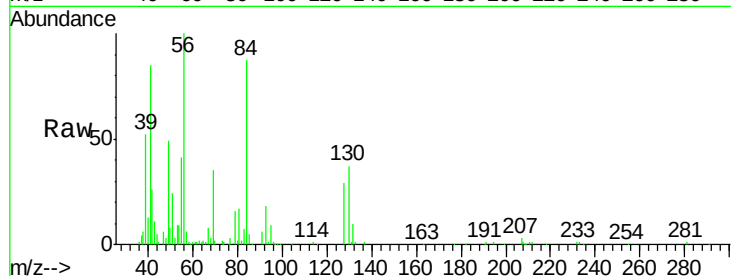
Tot Ion: 56 Resp: 228687

Ion Ratio Lower Upper

56 100

69 34.9 26.4 39.6

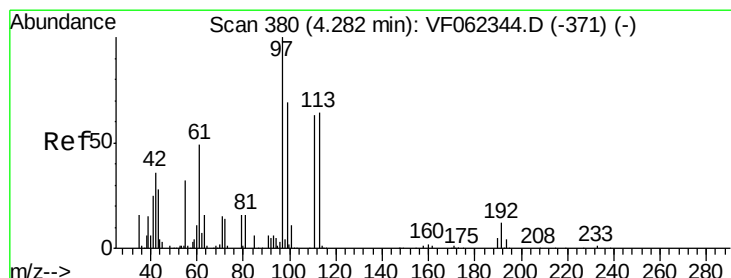
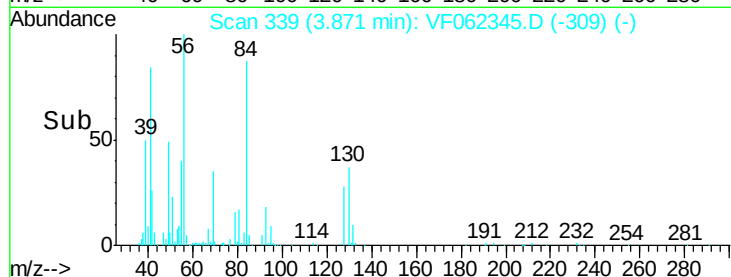
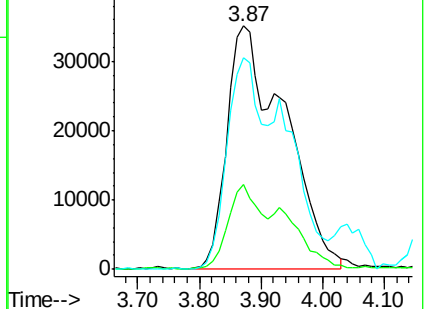
84 87.2 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 63.989 ug/l m

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

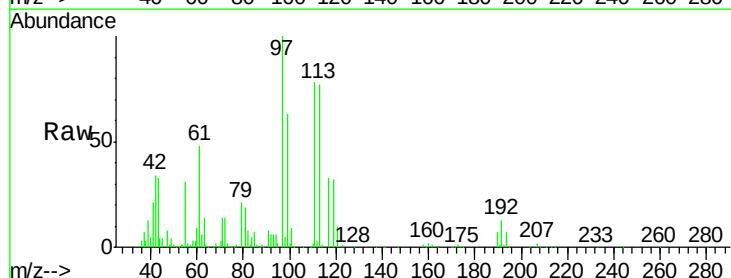
Tgt Ion: 97 Resp: 338432

Ion Ratio Lower Upper

97 100

99 50.7 52.6 78.8#

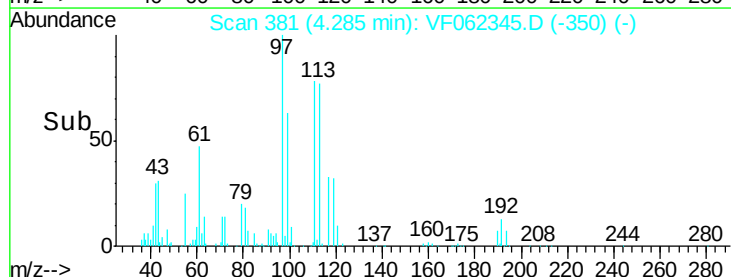
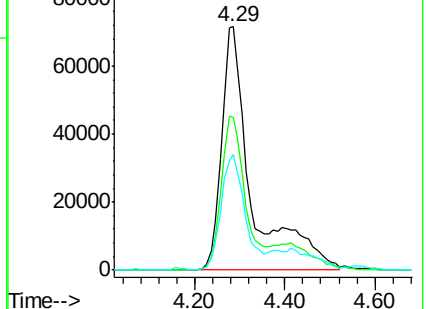
61 37.5 39.4 59.0#

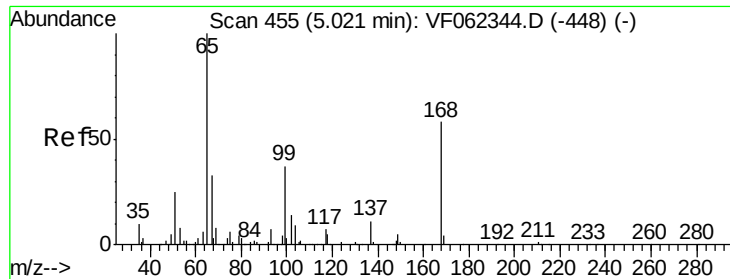


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

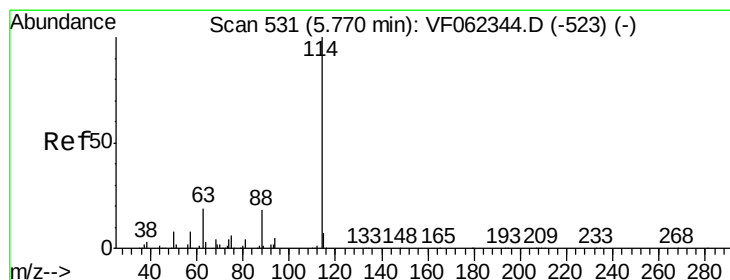
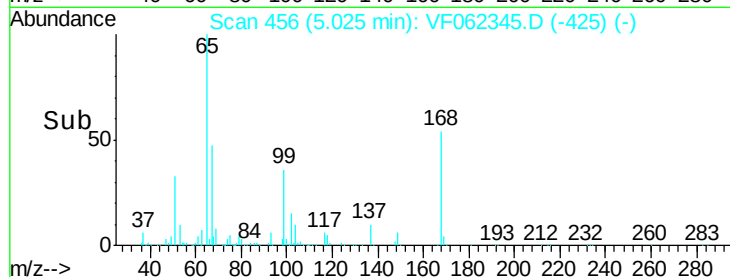
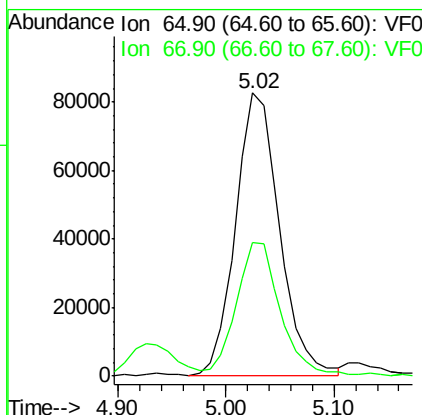
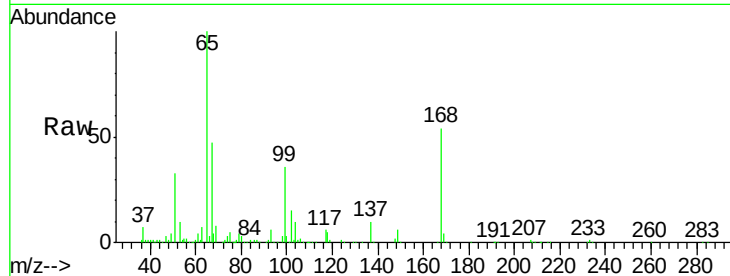




#33
 1,2-Dichloroethane-d4
 Concen: 63.992 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

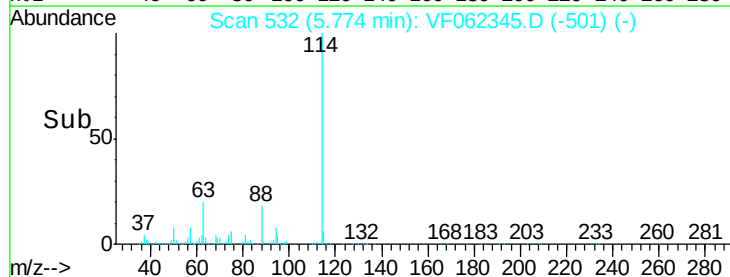
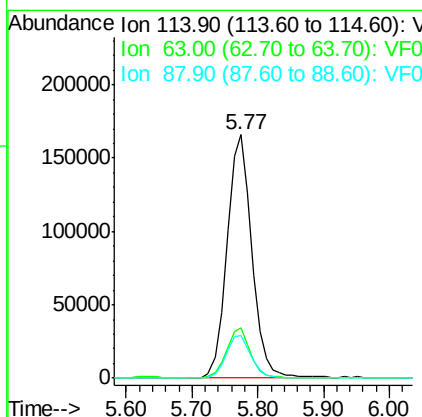
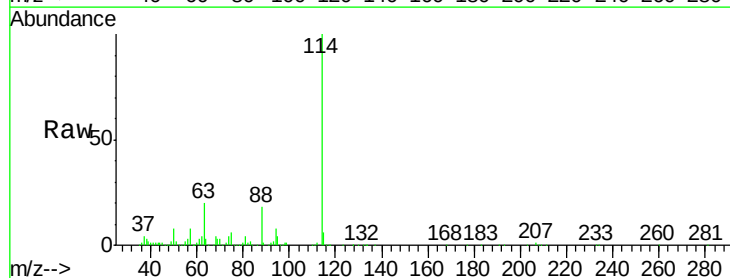
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

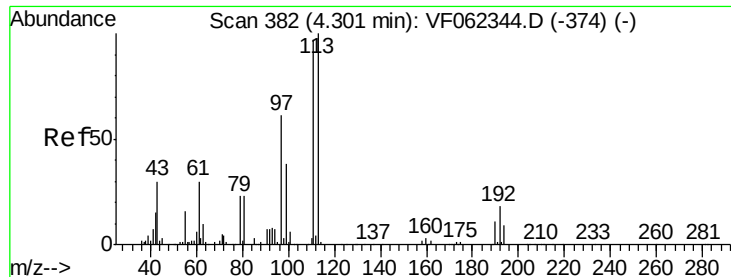
Tot Ion: 65 Resp: 231961
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

Tgt Ion: 114 Resp: 440156
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 37.4
 88 17.6 0.0 36.4





#35

Dibromofluoromethane

Concen: 61.519 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

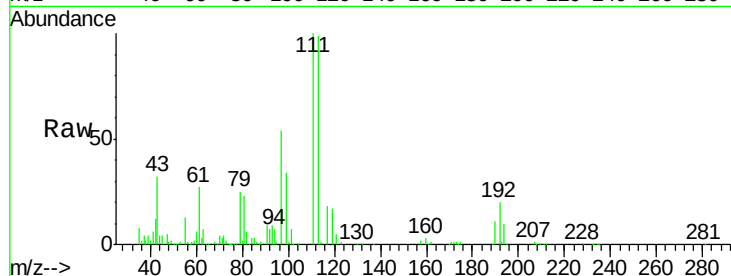
Tot Ion:113 Resp: 260448

Ion Ratio Lower Upper

113 100

111 100.7 79.4 119.0

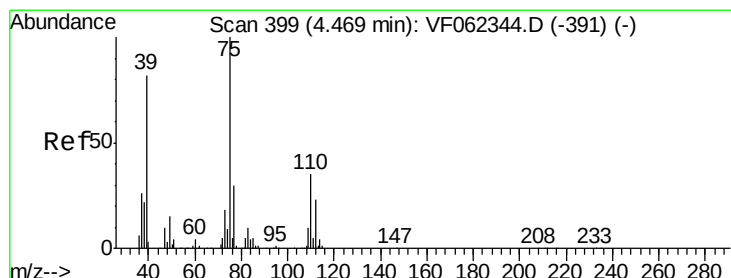
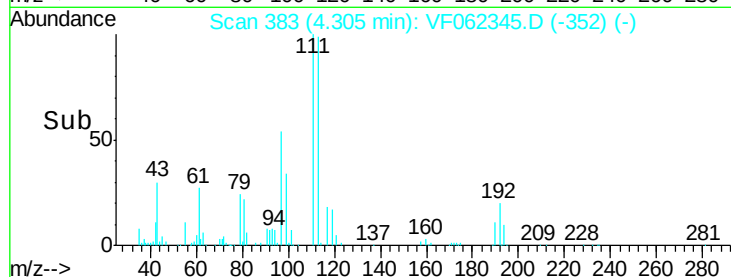
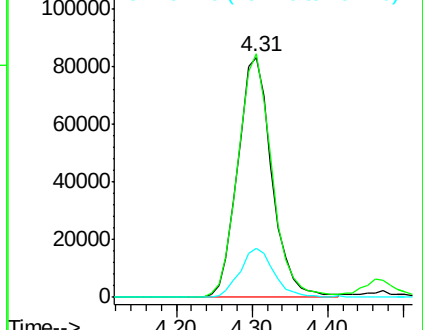
192 20.6 16.0 24.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.331 ug/l

RT: 4.46 min Scan# 399

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

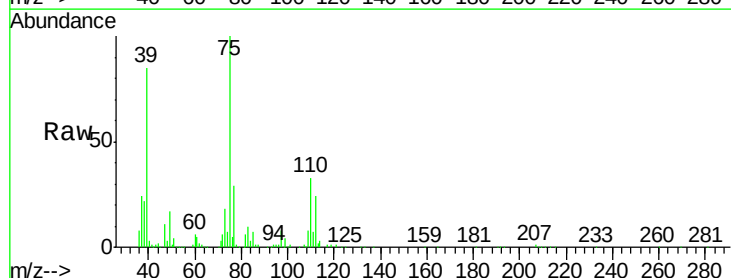
Tgt Ion: 75 Resp: 260750

Ion Ratio Lower Upper

75 100

110 33.9 17.2 51.5

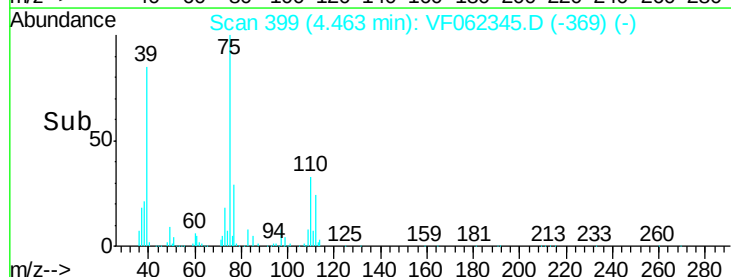
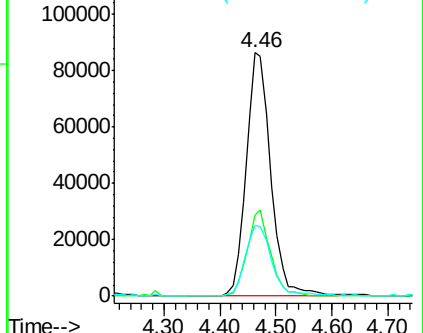
77 31.1 25.2 37.8

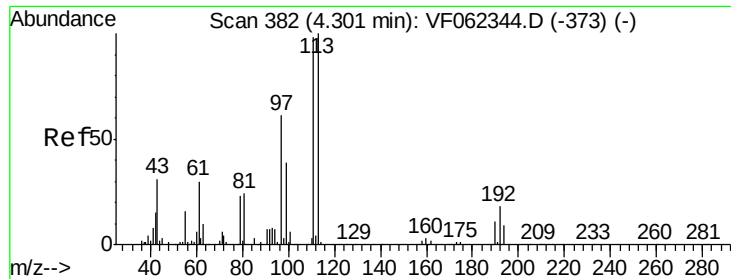


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0





#37

Ethyl Acetate

Concen: 51.358 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

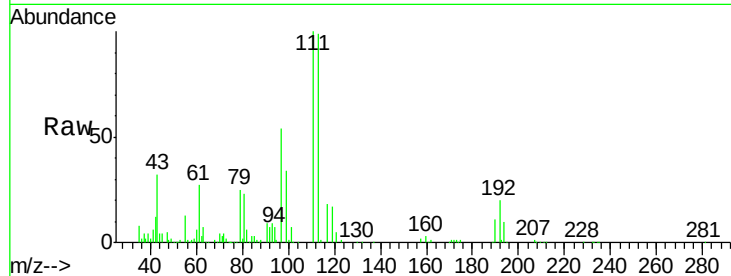
Tot Ion: 43 Resp: 105167

Ion Ratio Lower Upper

43 100

61 120.7 0.0 0.0#

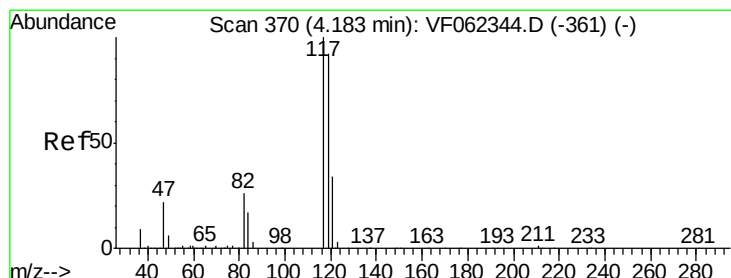
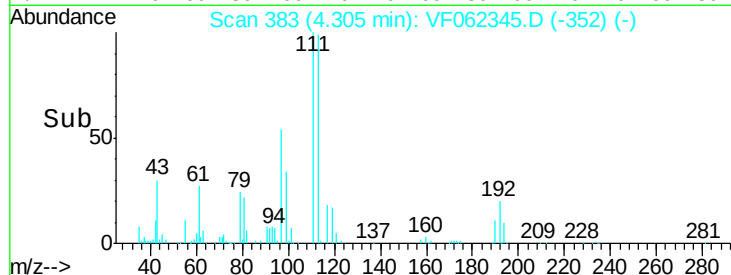
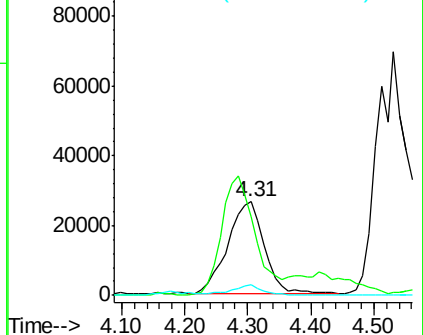
70 9.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 55.658 ug/l

RT: 4.18 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

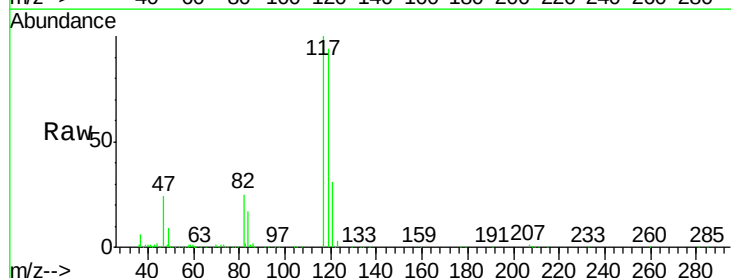
Tgt Ion: 117 Resp: 279567

Ion Ratio Lower Upper

117 100

119 93.5 73.4 110.2

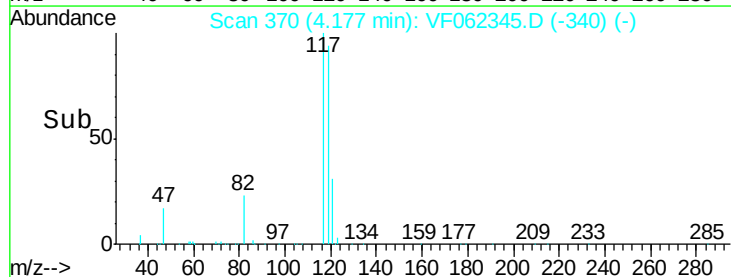
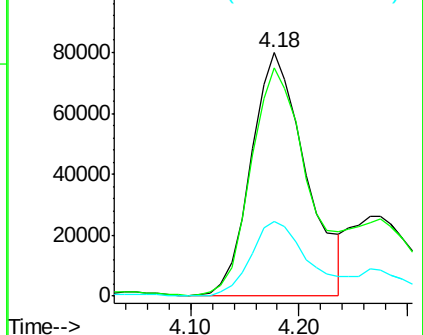
121 31.0 27.4 41.0

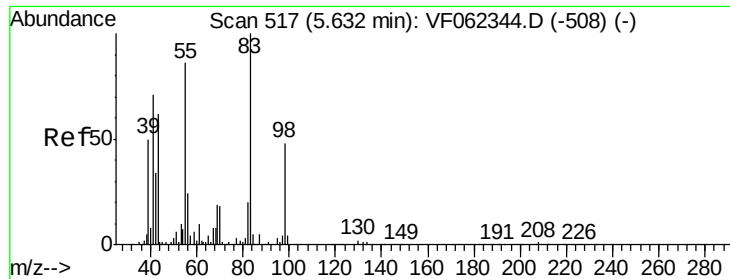


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

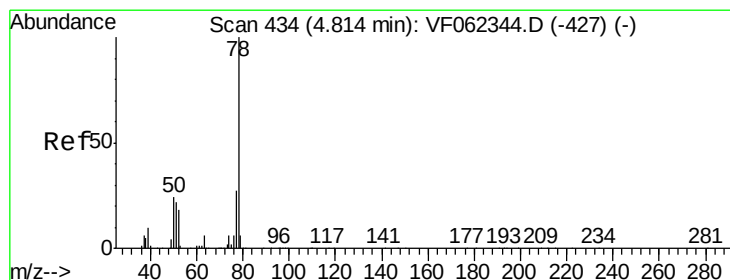
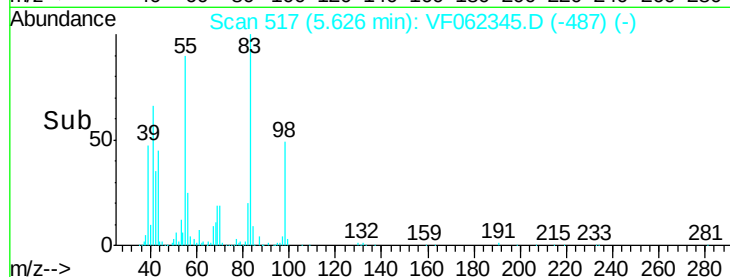
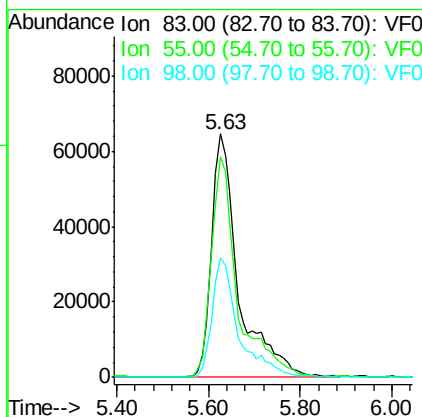
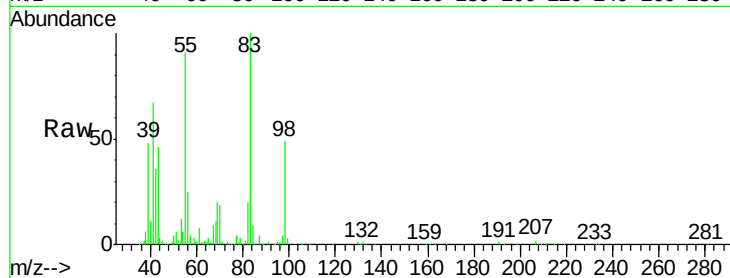




#39
Methylvlcyclohexane
Concen: 47.914 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

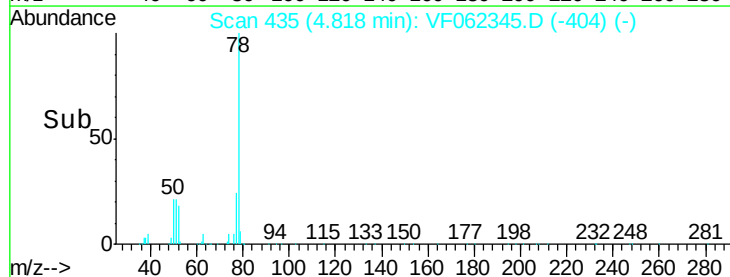
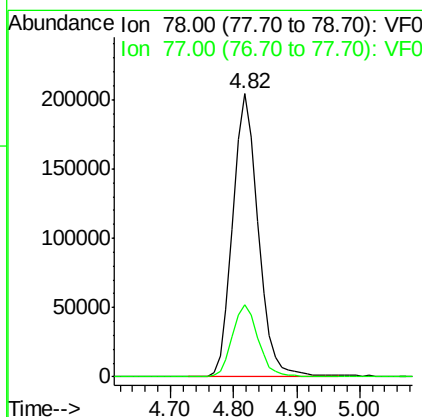
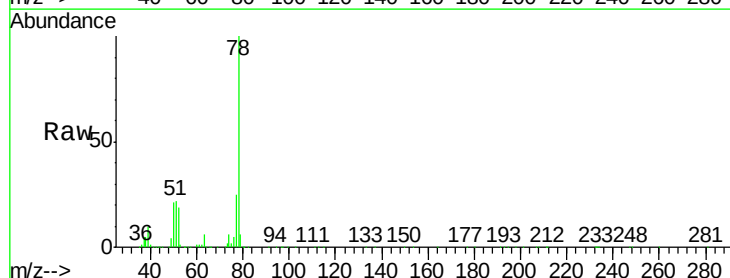
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

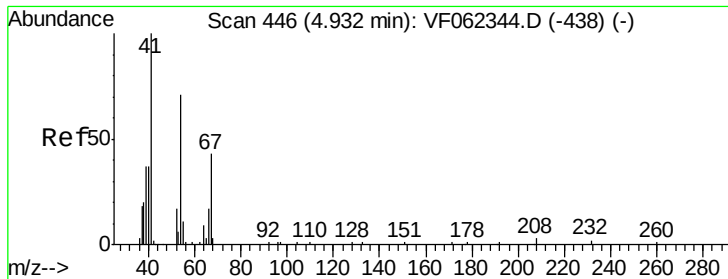
Tot Ion	83	Resp	264157
Ion	Ratio	Lower	Upper
83	100		
55	90.2	69.0	103.6
98	48.9	38.6	58.0



#40
Benzene
Concen: 50.268 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

Tgt Ion	78	Resp	572022
Ion	Ratio	Lower	Upper
78	100		
77	25.2	21.6	32.4





#41

Methacrylonitrile

Concen: 51.755 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 58658

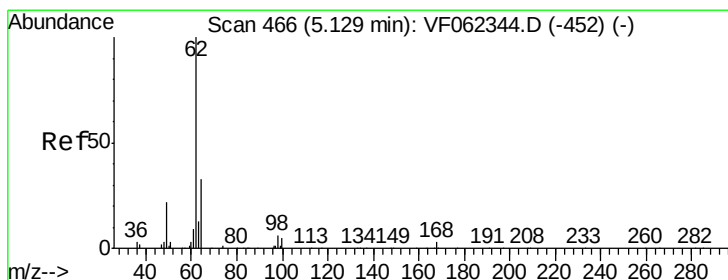
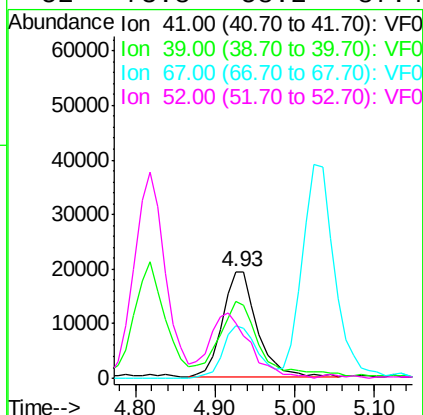
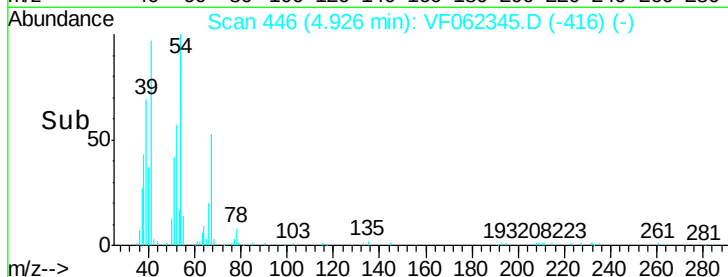
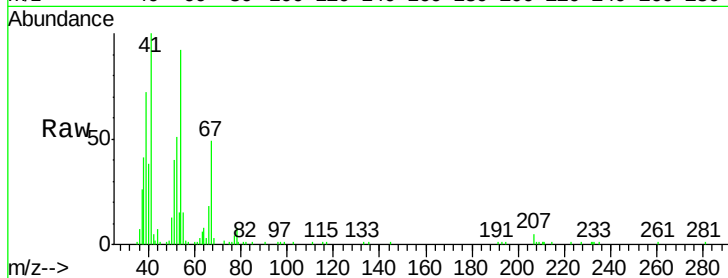
Ion Ratio Lower Upper

41 100

39 82.1 54.3 81.5#

67 49.0 37.8 56.8

52 73.8 58.2 87.4



#42

1,2-Dichloroethane

Concen: 61.192 ug/l

RT: 5.12 min Scan# 466

Delta R.T. -0.01 min

Lab File: VF062345.D

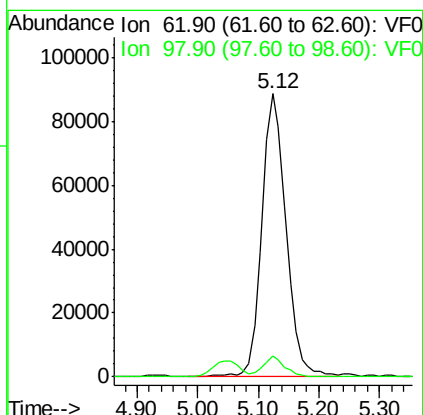
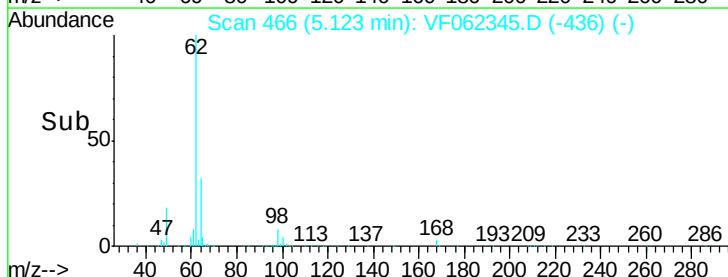
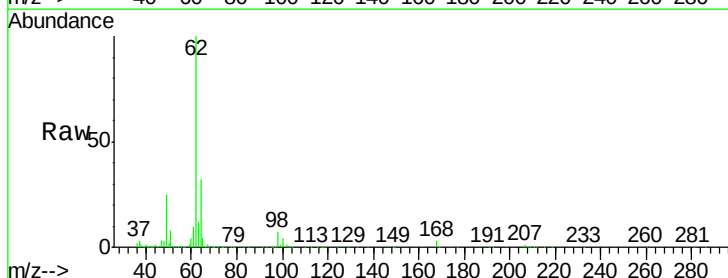
Acq: 6 May 2019 19:36

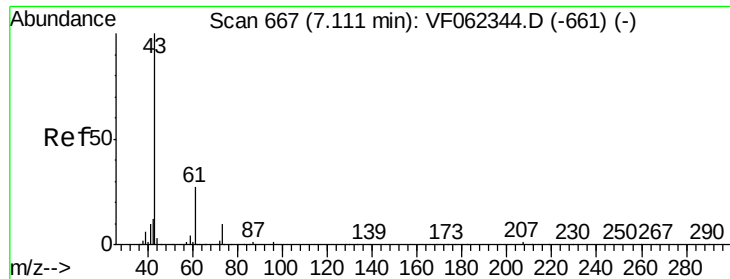
Tgt Ion: 62 Resp: 245860

Ion Ratio Lower Upper

62 100

98 6.6 0.0 12.4





#43

Isopropyl Acetate

Concen: 51.326 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

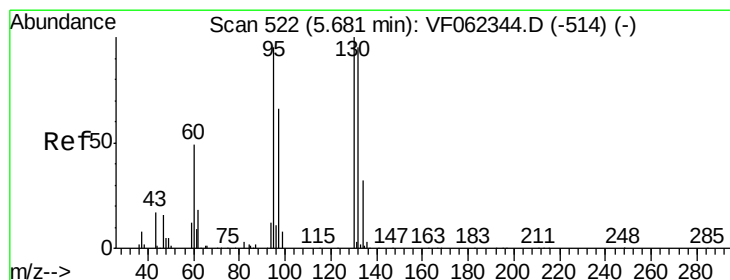
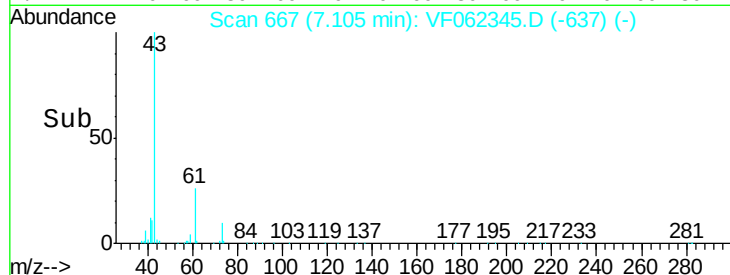
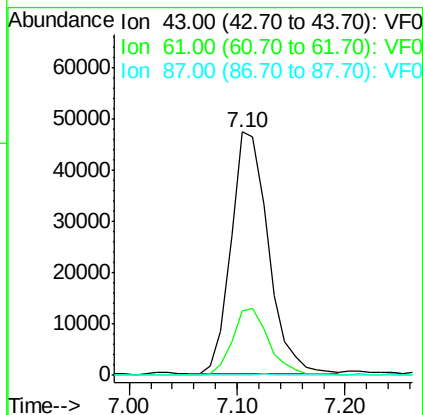
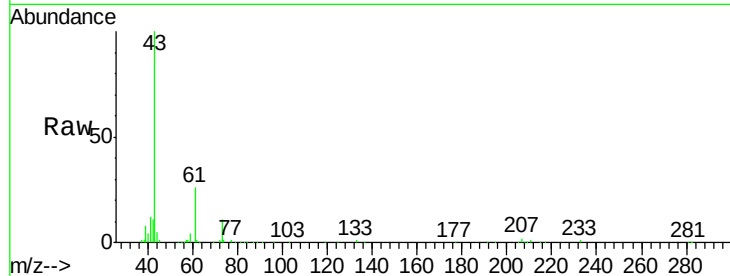
Tot Ion: 43 Resp: 113153

Ion Ratio Lower Upper

43 100

61 27.3 22.8 34.2

87 0.3 0.6 1.0#



#44

Trichloroethene

Concen: 52.247 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.01 min

Lab File: VF062345.D

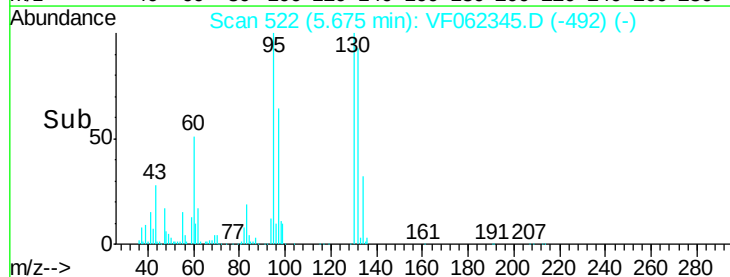
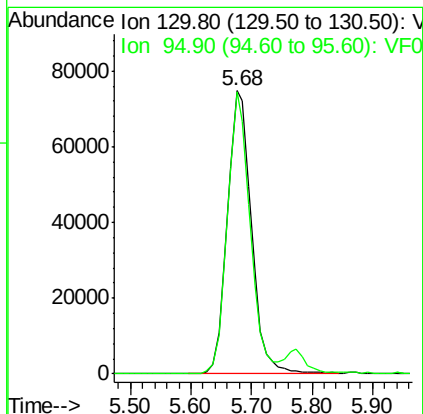
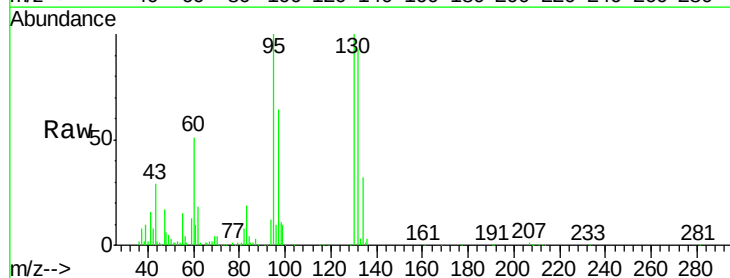
Acq: 6 May 2019 19:36

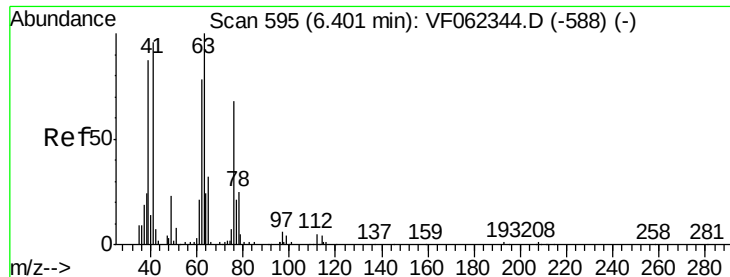
Tgt Ion:130 Resp: 207111

Ion Ratio Lower Upper

130 100

95 99.6 0.0 189.0





#45

1,2-Dichloropropane

Concen: 52.551 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

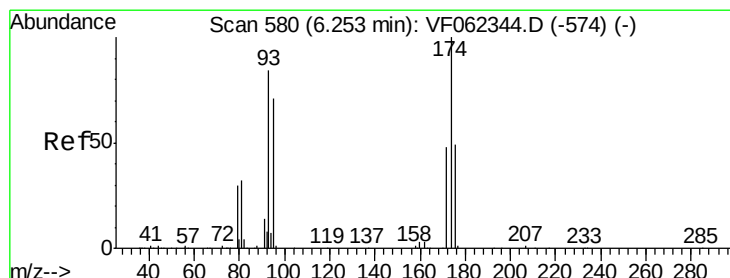
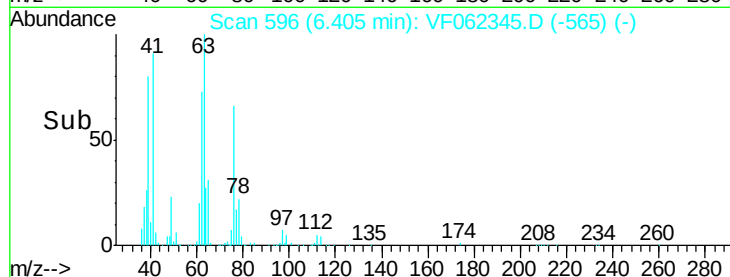
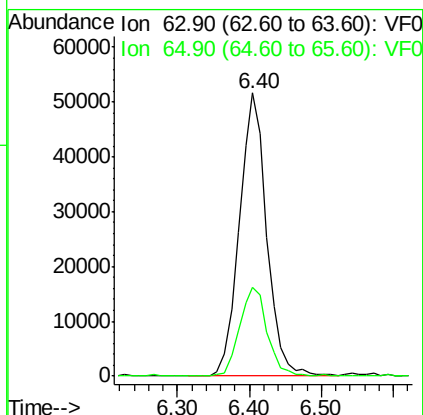
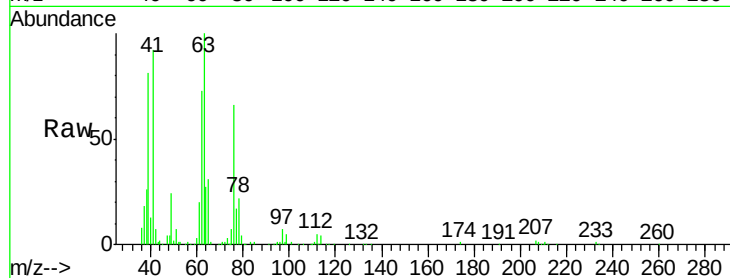
VSTDIC075

Tot Ion: 63 Resp: 136595

Ion Ratio Lower Upper

63 100

65 31.2 25.6 38.4



#46

Dibromomethane

Concen: 57.927 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

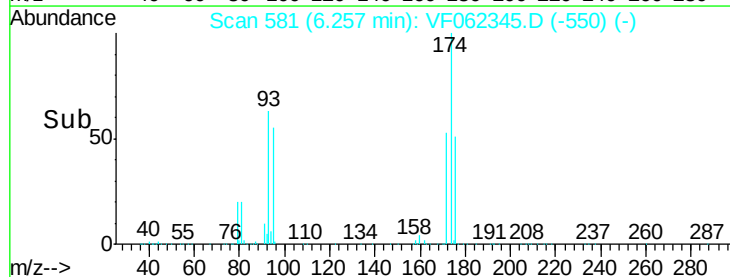
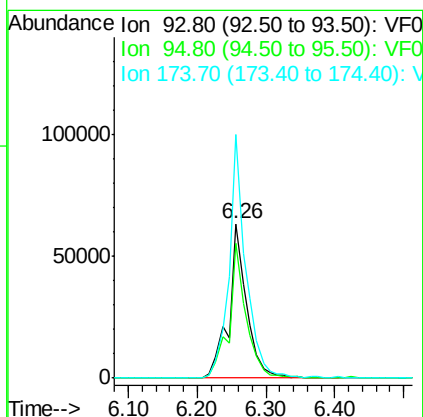
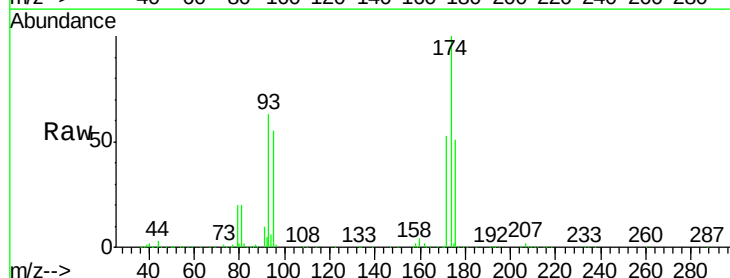
Tgt Ion: 93 Resp: 113498

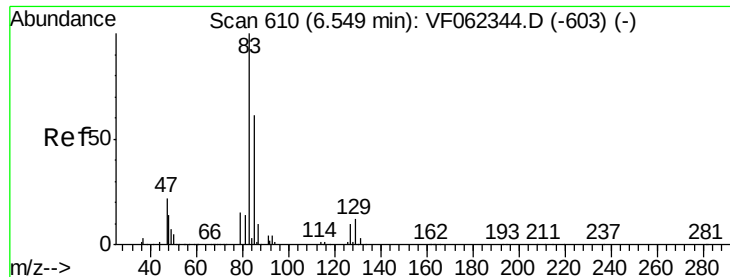
Ion Ratio Lower Upper

93 100

95 83.4 68.4 102.6

174 148.9 99.6 149.4





#47

Bromodichloromethane

Concen: 62.103 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

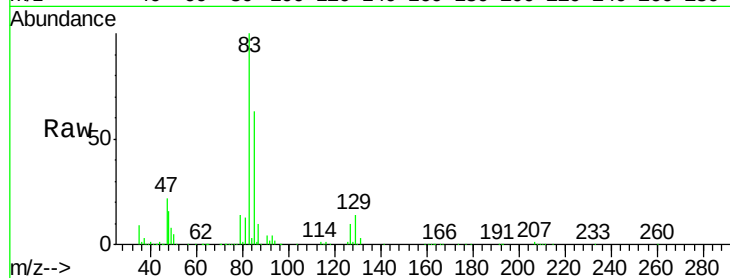
Tot Ion: 83 Resp: 292565

Ion Ratio Lower Upper

83 100

85 63.4 49.1 73.7

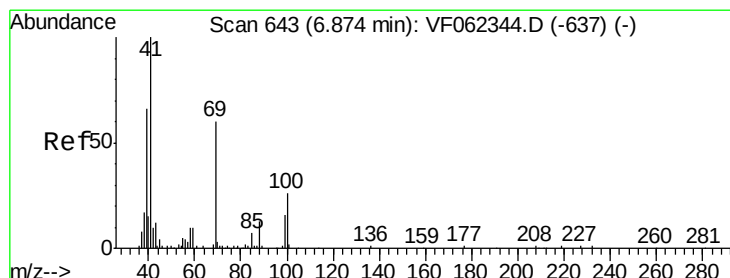
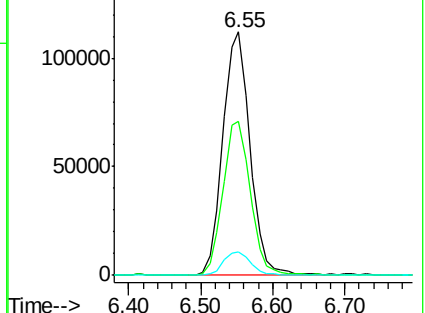
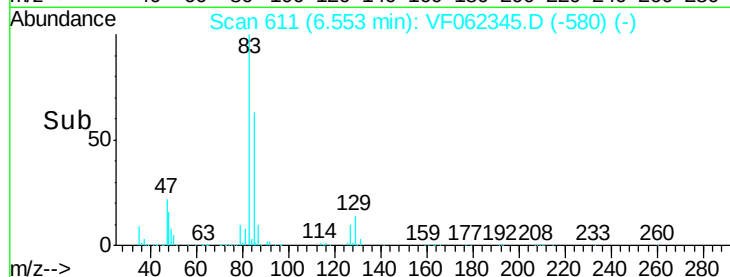
127 9.8 7.8 11.8



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: 53.496 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

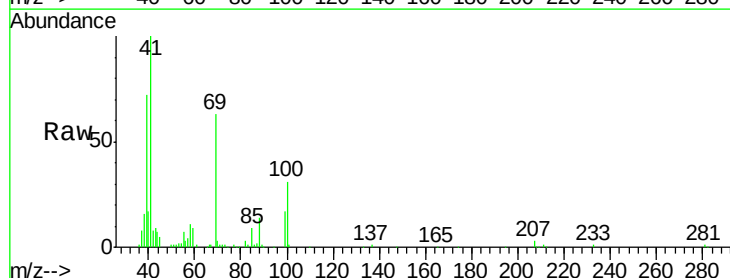
Tgt Ion: 41 Resp: 82785

Ion Ratio Lower Upper

41 100

69 65.6 48.6 72.8

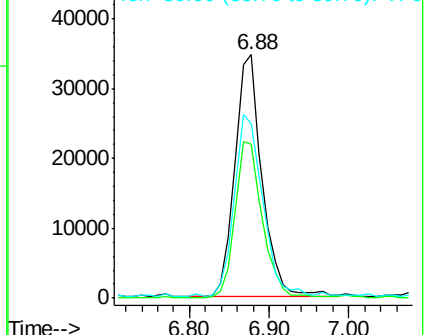
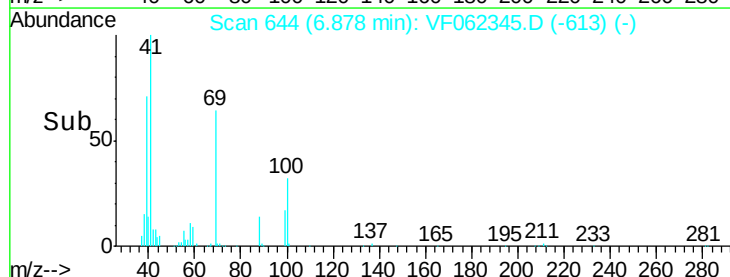
39 77.2 56.1 84.1

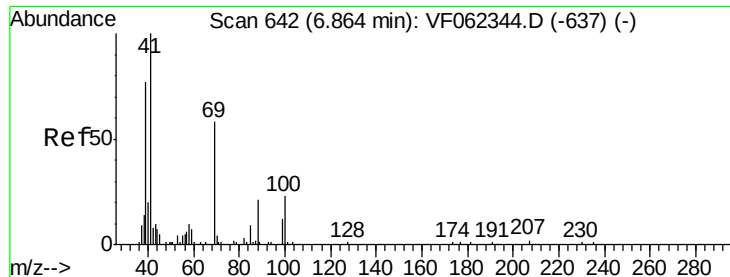


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

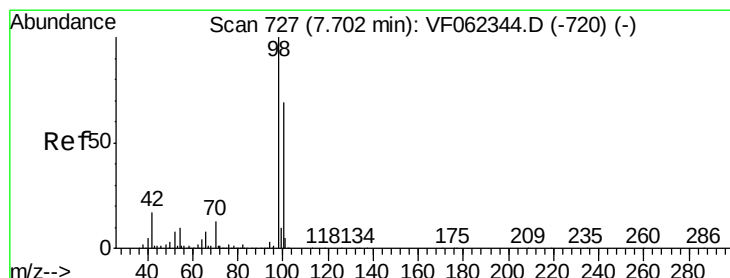
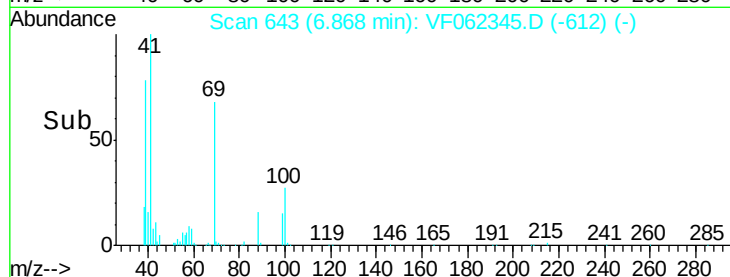
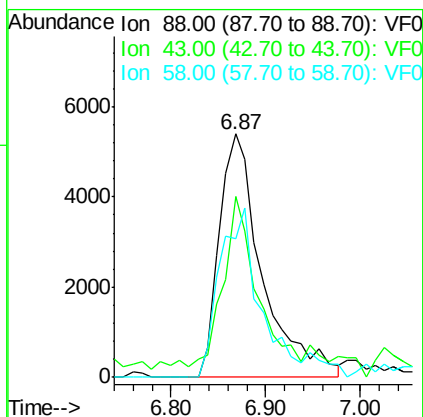
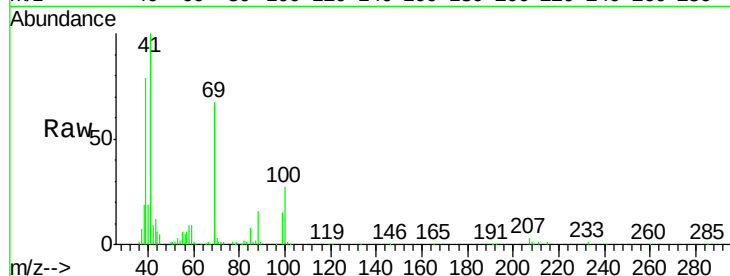




#49
1,4-Dioxane
Concen: 992.214 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

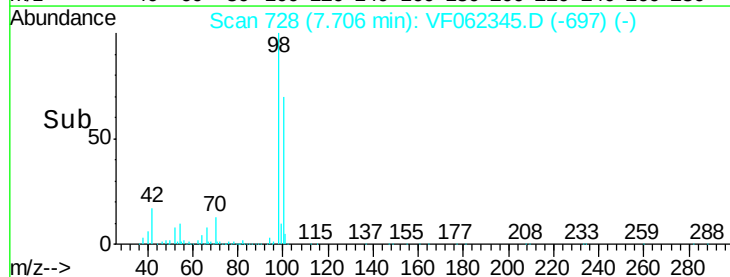
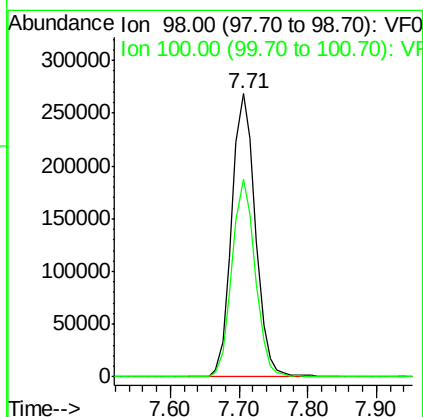
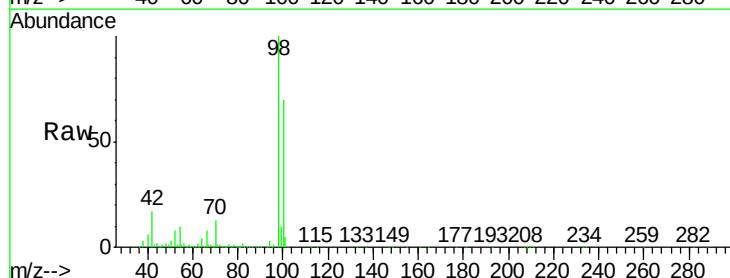
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

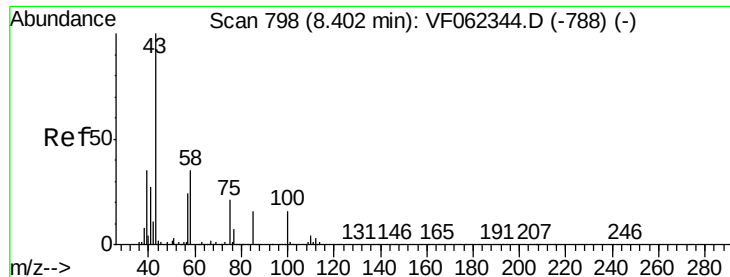
Tot Ion: 88 Resp: 17023
Ion Ratio Lower Upper
88 100
43 57.5 55.6 83.4
58 64.1 52.8 79.2



#50
Toluene-d8
Concen: 62.629 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

Tgt Ion: 98 Resp: 642700
Ion Ratio Lower Upper
98 100
100 68.5 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 269.554 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

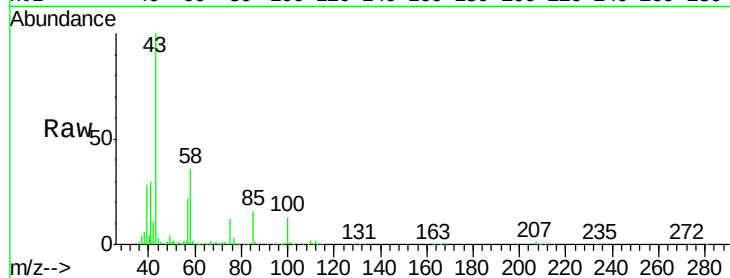
VSTDIC075

Tot Ion: 43 Resp: 442583

Ion Ratio Lower Upper

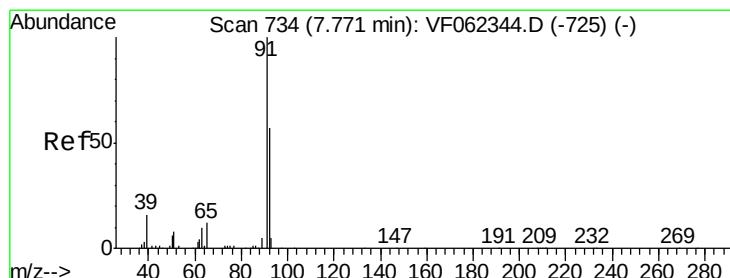
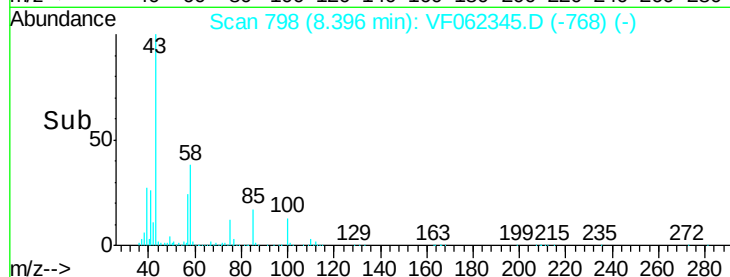
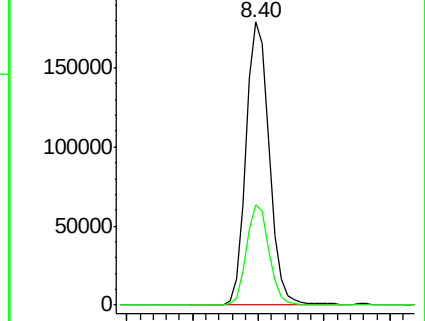
43 100

58 34.6 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 53.425 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF062345.D

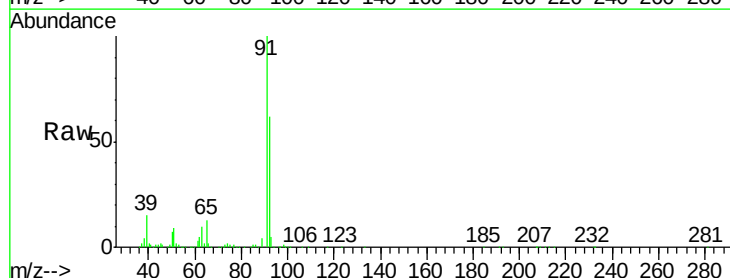
Acq: 6 May 2019 19:36

Tgt Ion: 92 Resp: 357768

Ion Ratio Lower Upper

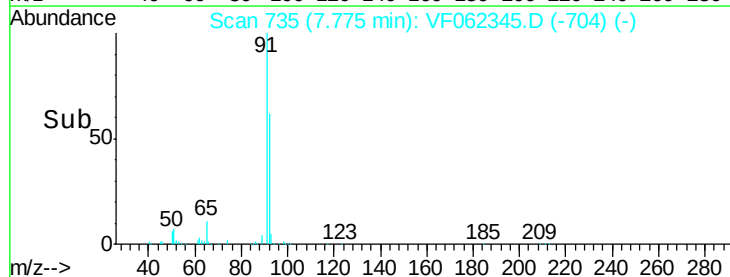
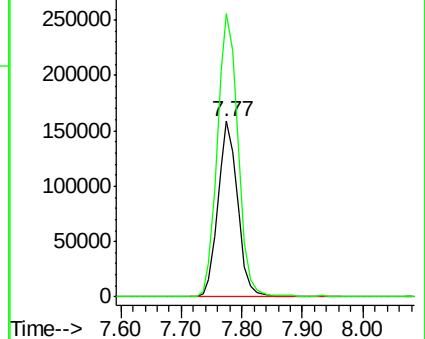
92 100

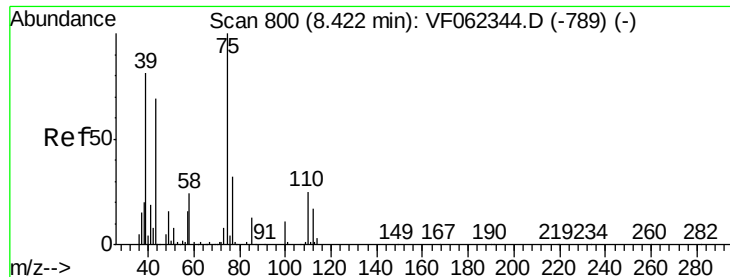
91 169.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 57.861 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

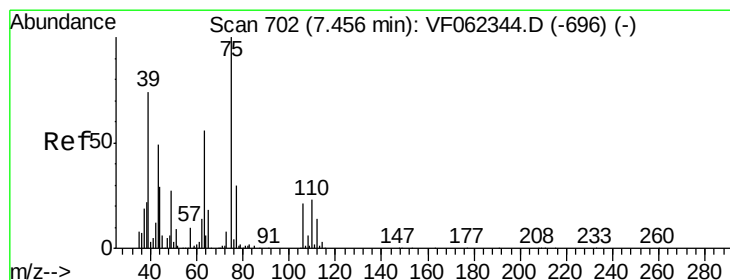
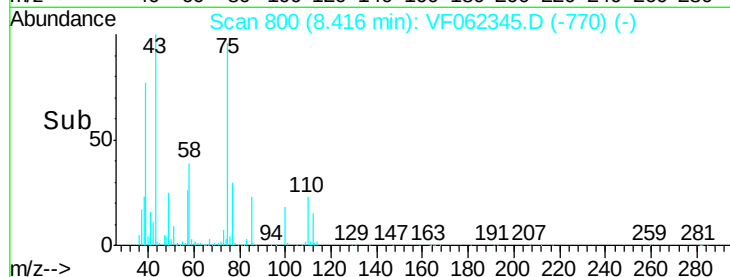
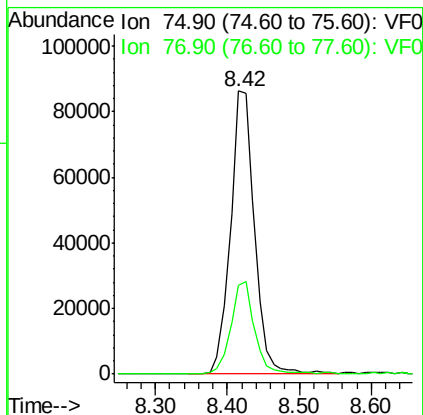
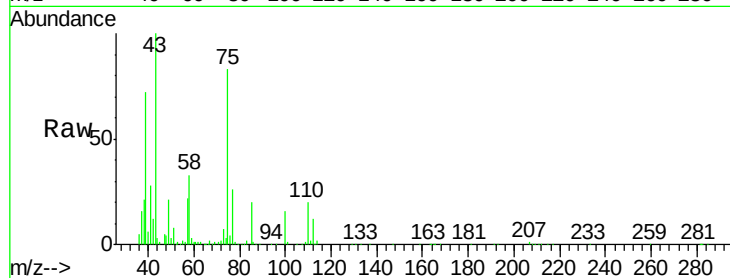
VSTDIC075

Tot Ion: 75 Resp: 201466

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 55.561 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

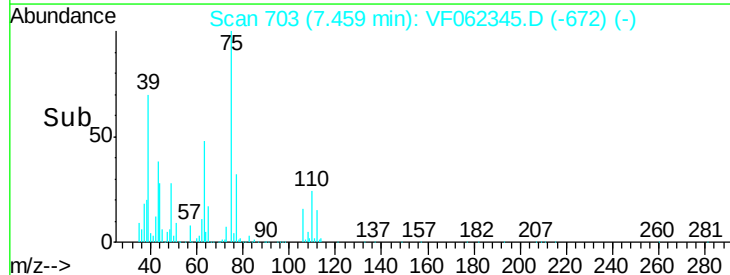
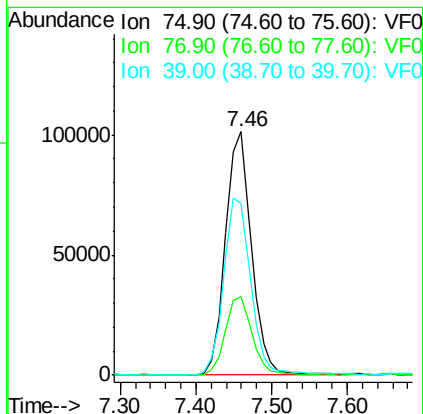
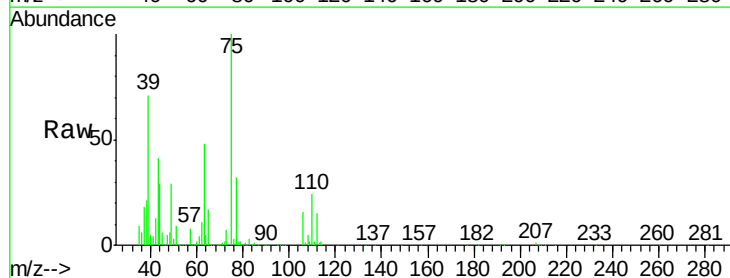
Tgt Ion: 75 Resp: 241358

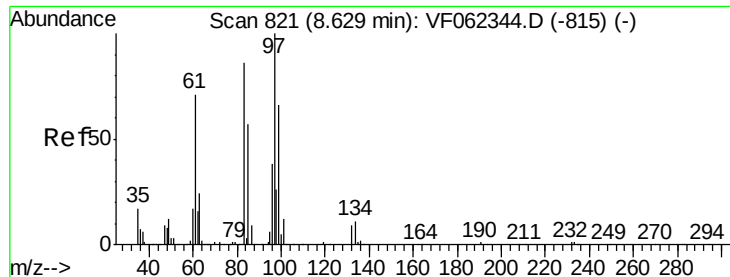
Ion Ratio Lower Upper

75 100

77 31.9 24.0 36.0

39 70.6 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 57.845 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 115706

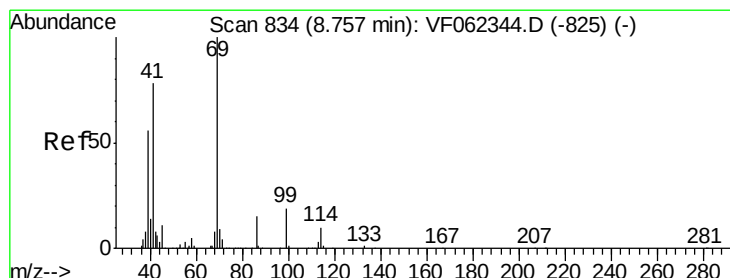
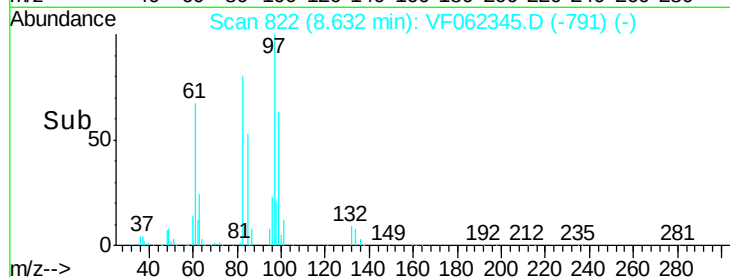
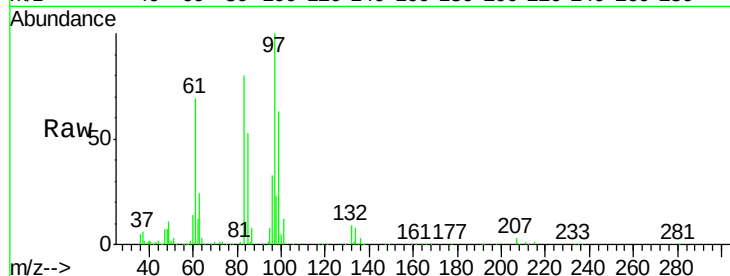
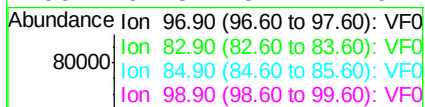
Ion	Ratio	Lower	Upper
97	100		
83	80.4	68.5	102.7
85	52.3	45.4	68.2
99	62.8	52.7	79.1

97 100

83 80.4 68.5 102.7

85 52.3 45.4 68.2

99 62.8 52.7 79.1



#56

Ethyl methacrylate

Concen: 52.627 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

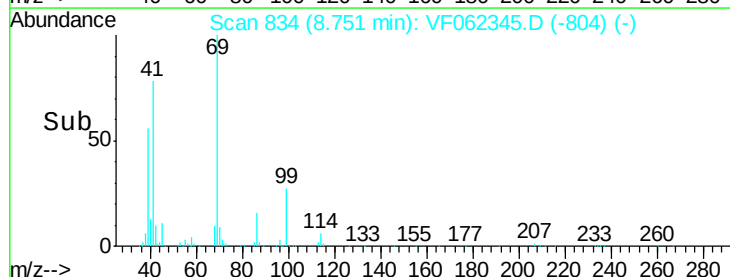
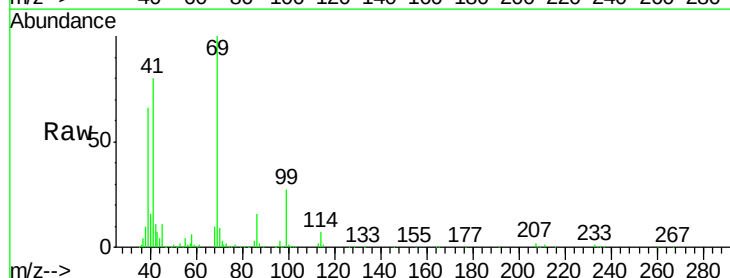
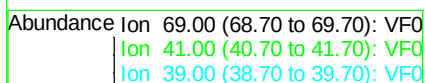
Tgt Ion: 69 Resp: 113478

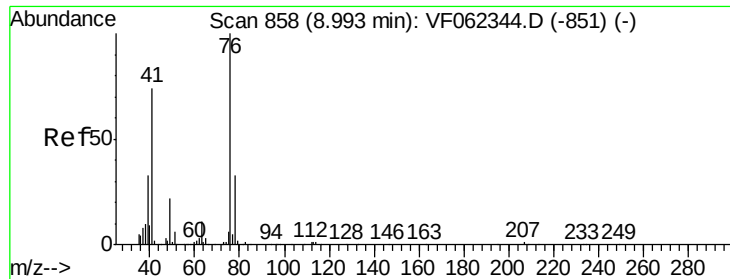
Ion	Ratio	Lower	Upper
69	100		
41	83.9	66.3	99.5
39	63.0	50.1	75.1

69 100

41 83.9 66.3 99.5

39 63.0 50.1 75.1





#57

1,3-Dichloropropane

Concen: 56.250 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

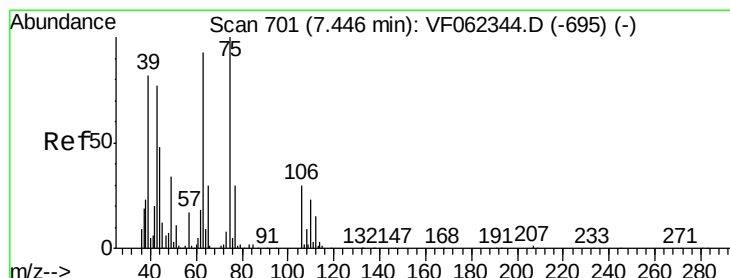
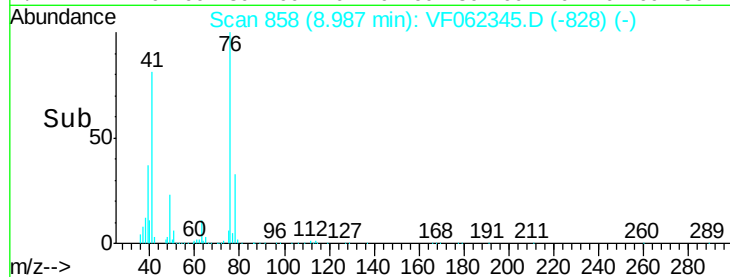
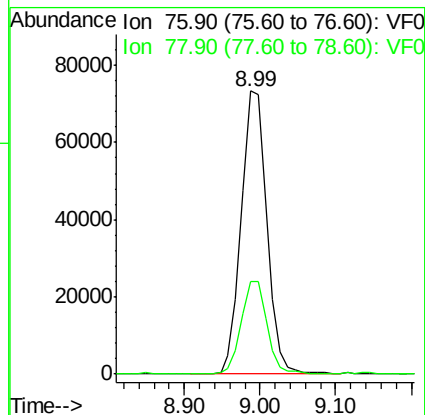
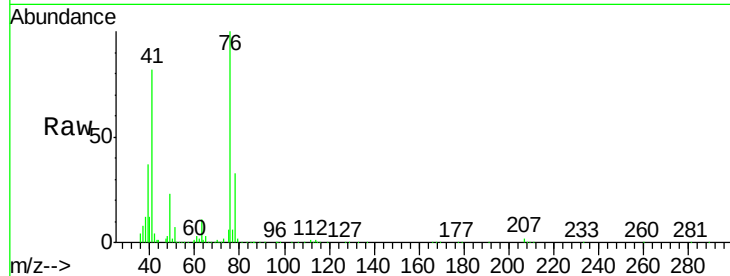
VSTDIC075

Tot Ion: 76 Resp: 172526

Ion Ratio Lower Upper

76 100

78 33.2 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 270.390 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062345.D

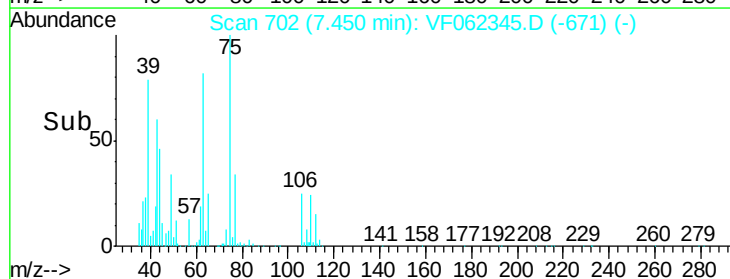
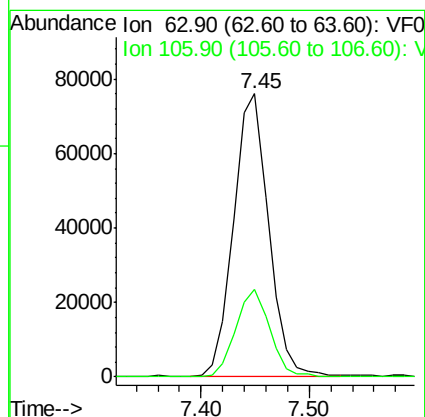
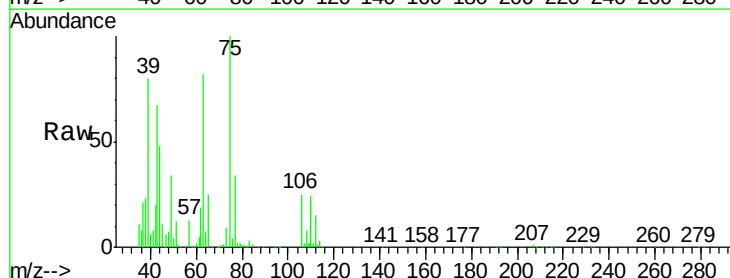
Acq: 6 May 2019 19:36

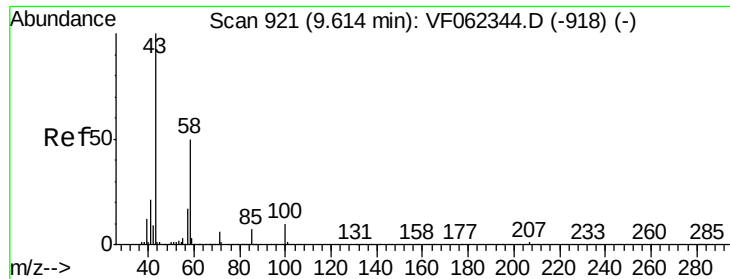
Tgt Ion: 63 Resp: 172692

Ion Ratio Lower Upper

63 100

106 29.8 25.8 38.8

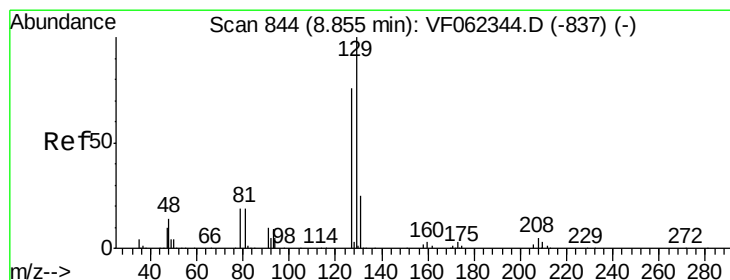
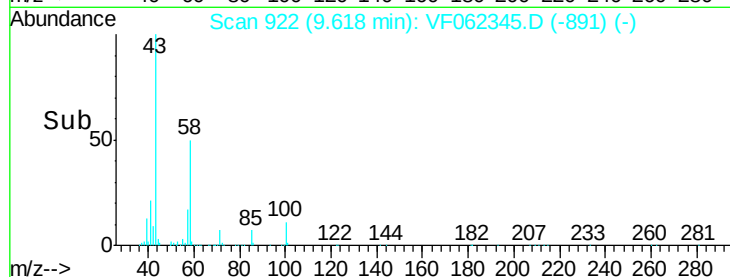
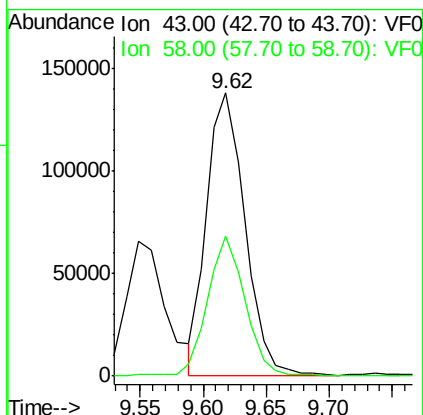
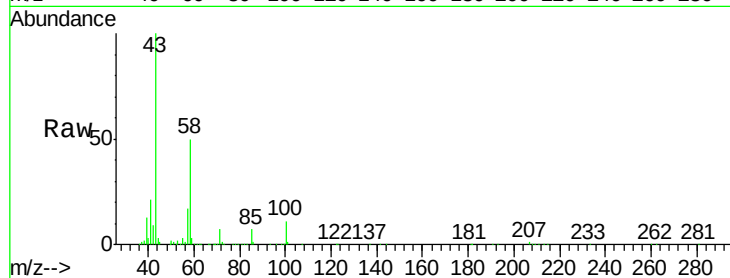




#59
2-Hexanone
Concen: 254.937 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

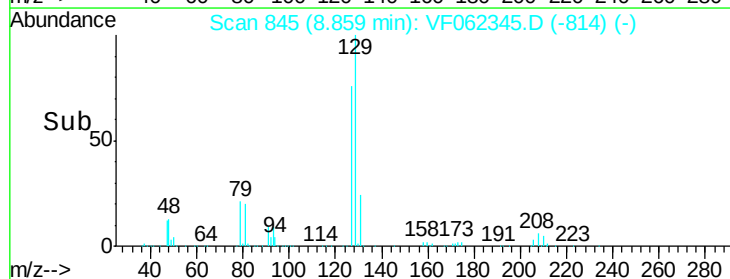
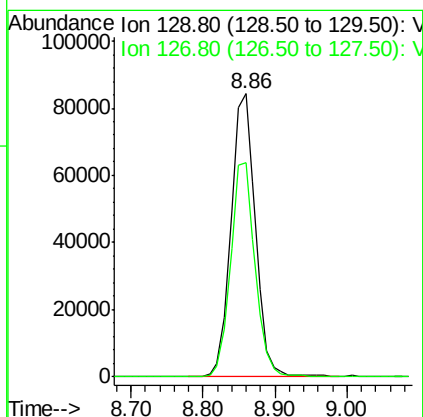
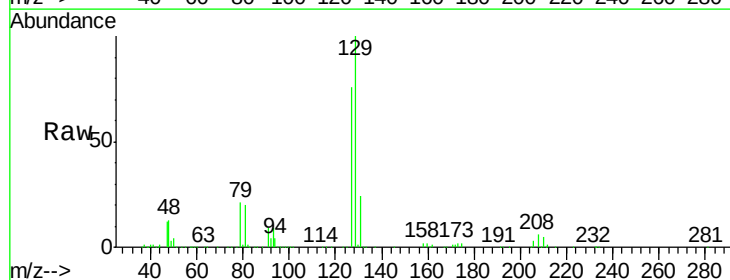
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

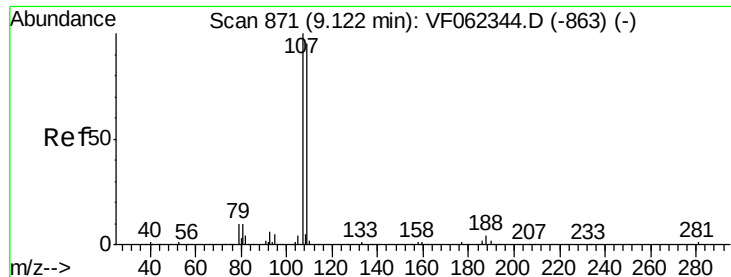
Tot Ion: 43 Resp: 288897
Ion Ratio Lower Upper
43 100
58 49.7 24.3 73.0



#60
Dibromochloromethane
Concen: 60.833 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

Tgt Ion: 129 Resp: 199090
Ion Ratio Lower Upper
129 100
127 75.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 56.757 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

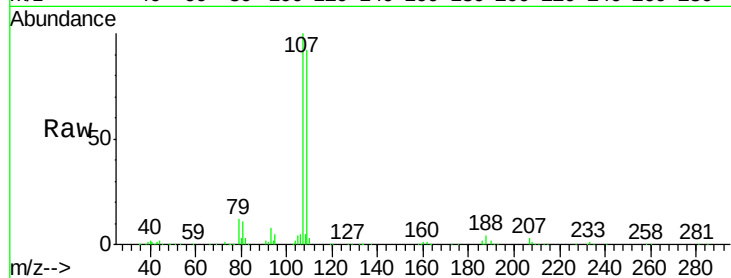
VSTDIC075

Tot Ion:107 Resp: 132534

Ion Ratio Lower Upper

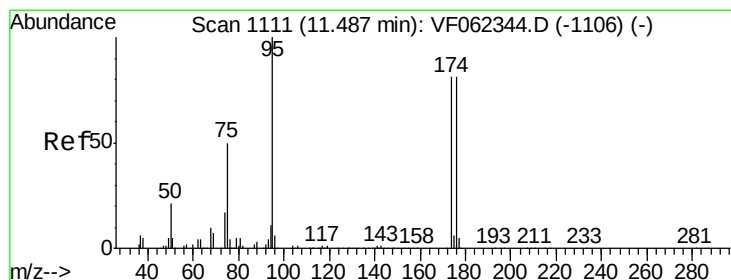
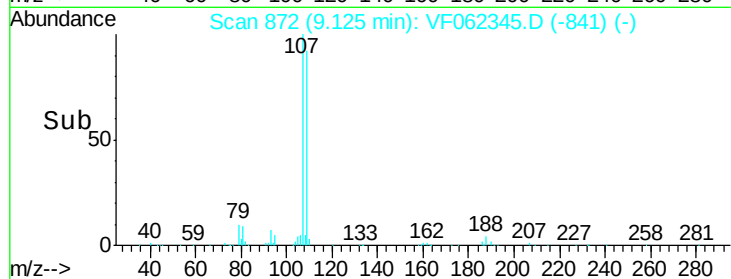
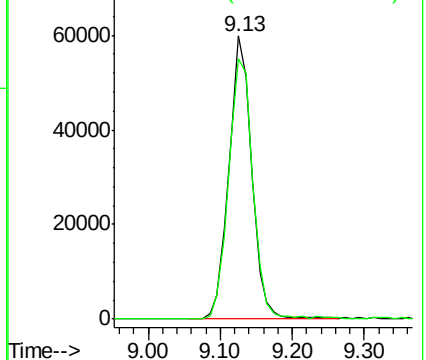
107 100

109 97.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 64.198 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

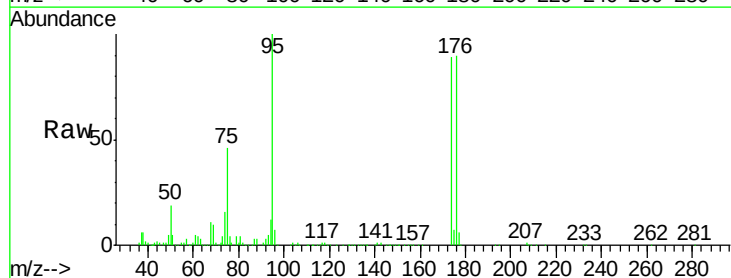
Tgt Ion: 95 Resp: 272212

Ion Ratio Lower Upper

95 100

174 92.7 0.0 191.8

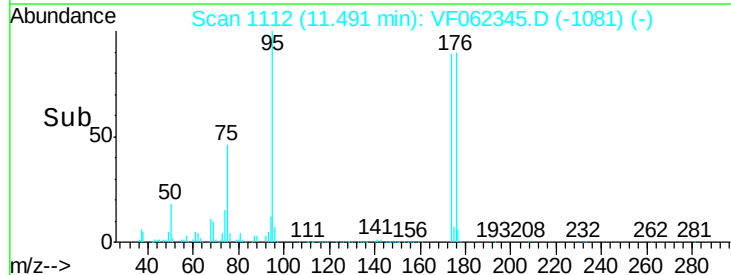
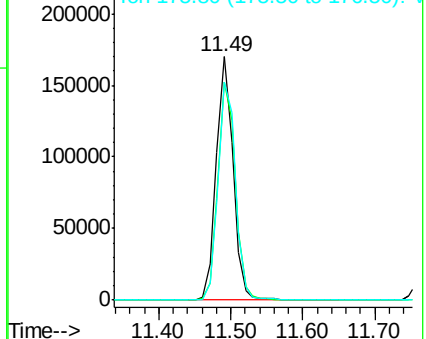
176 92.8 0.0 193.2

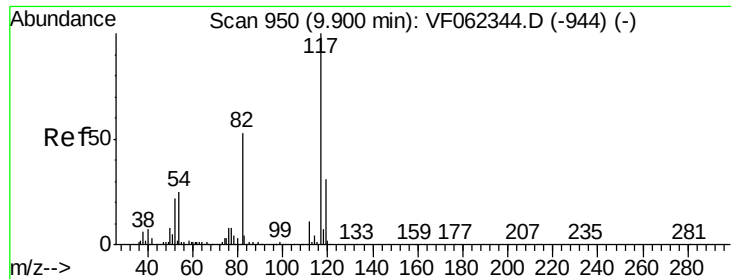


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

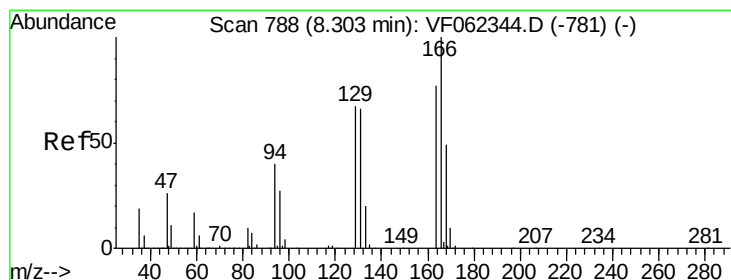
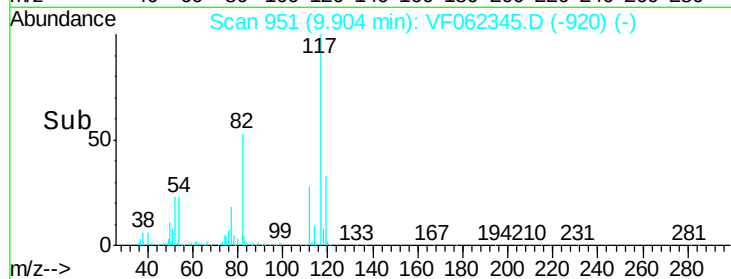
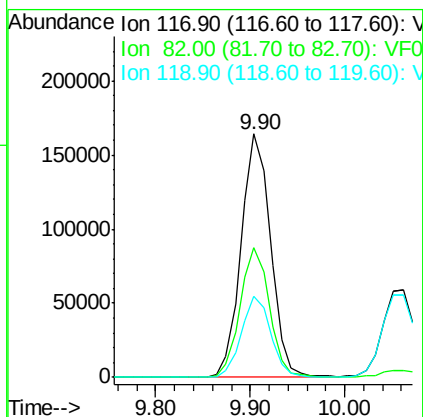
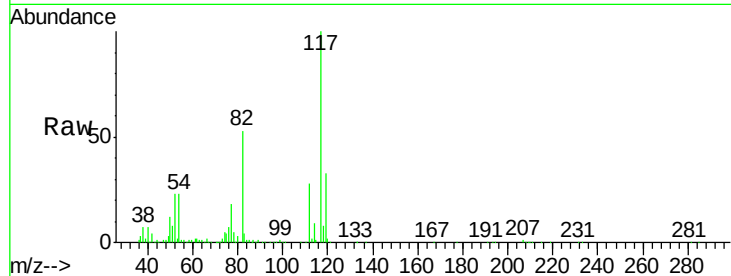




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. 0.00 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

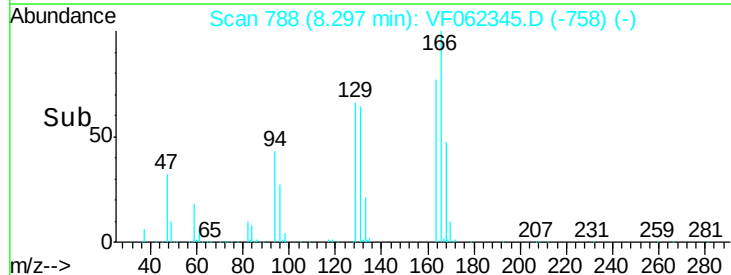
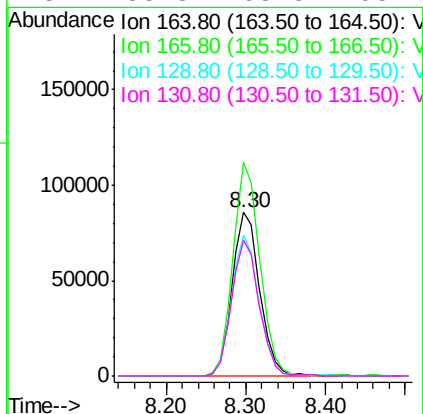
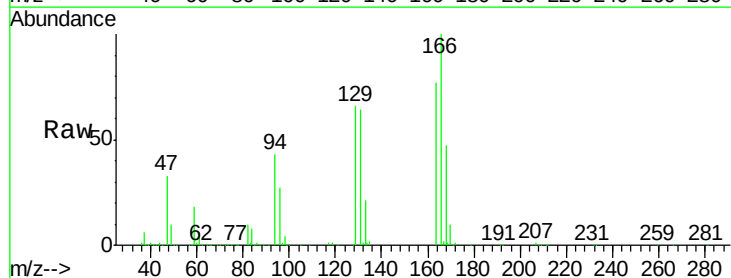
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

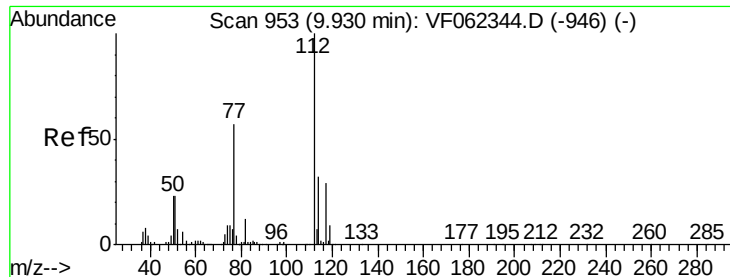
Tot Ion:117 Resp: 356699
Ion Ratio Lower Upper
117 100
82 53.0 42.2 63.2
119 33.4 25.0 37.4



#64
Tetrachloroethene
Concen: 57.403 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

Tgt Ion:164 Resp: 207046
Ion Ratio Lower Upper
164 100
166 130.5 104.2 156.4
129 85.9 69.6 104.4
131 83.3 68.8 103.2





#65

Chlorobenzene

Concen: 54.852 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

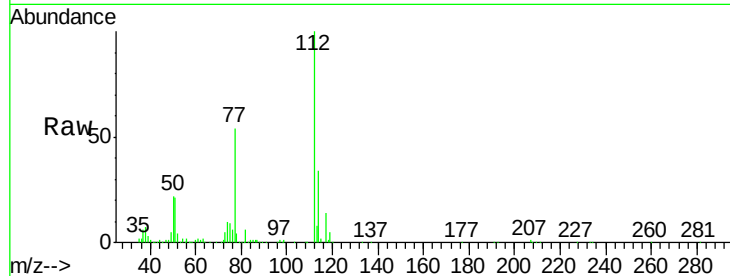
VSTDIC075

Tot Ion:112 Resp: 426679

Ion Ratio Lower Upper

112 100

114 33.9 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.93

200000

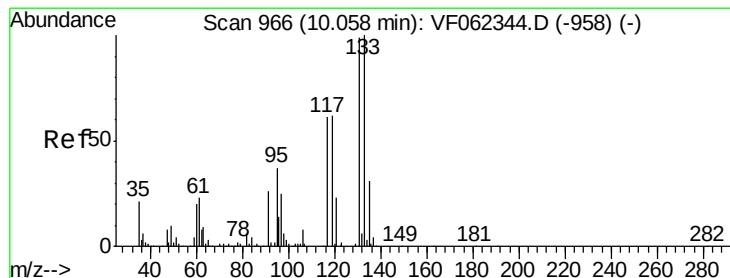
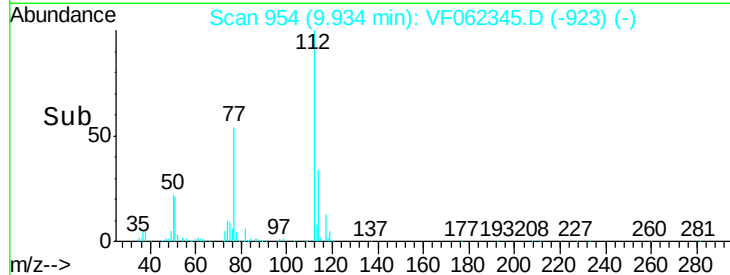
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 56.058 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

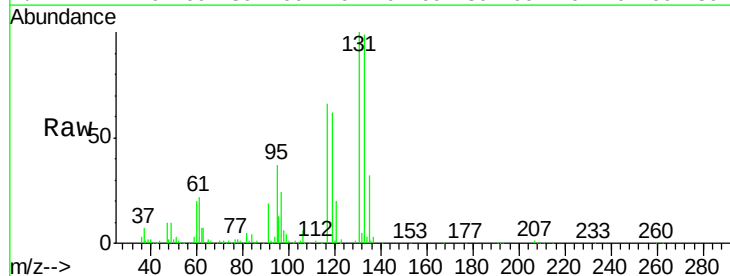
Tgt Ion:131 Resp: 210540

Ion Ratio Lower Upper

131 100

133 97.6 50.2 150.7

119 63.5 31.6 95.0



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

10.06

120000

100000

80000

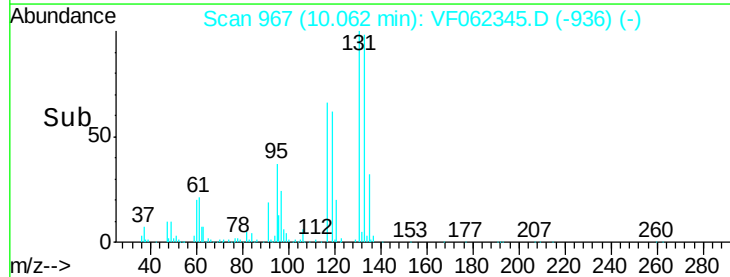
60000

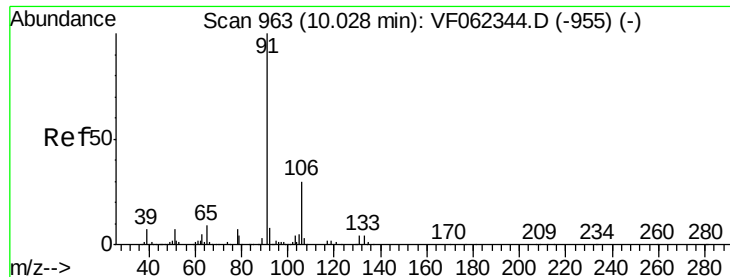
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 52.511 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

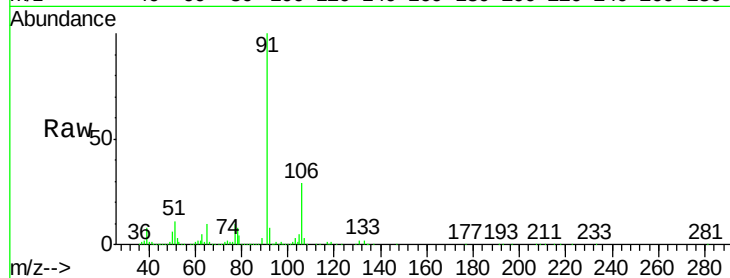
VSTDIC075

Tot Ion: 91 Resp: 708985

Ion Ratio Lower Upper

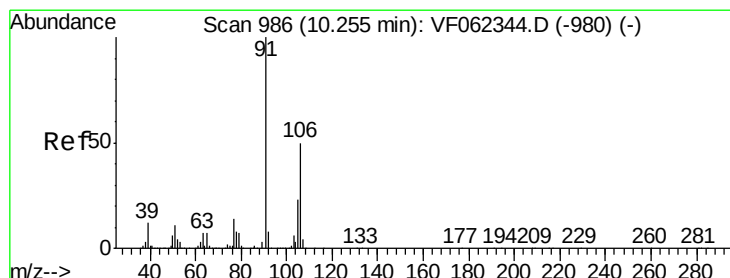
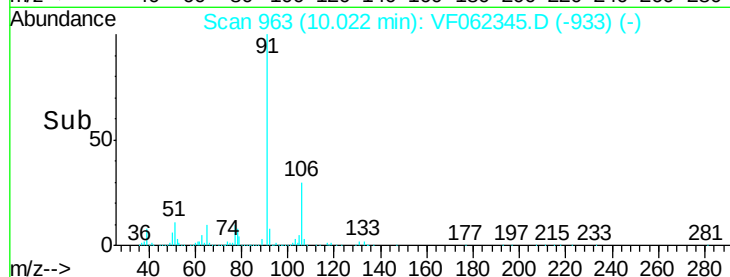
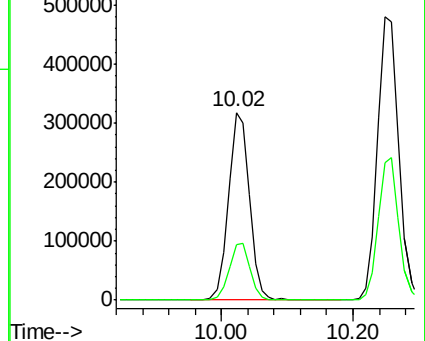
91 100

106 29.5 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 105.699 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF062345.D

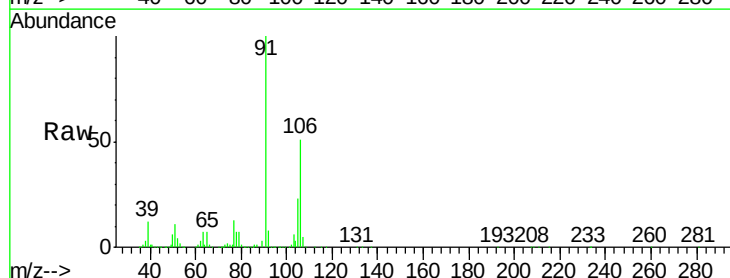
Acq: 6 May 2019 19:36

Tgt Ion:106 Resp: 524395

Ion Ratio Lower Upper

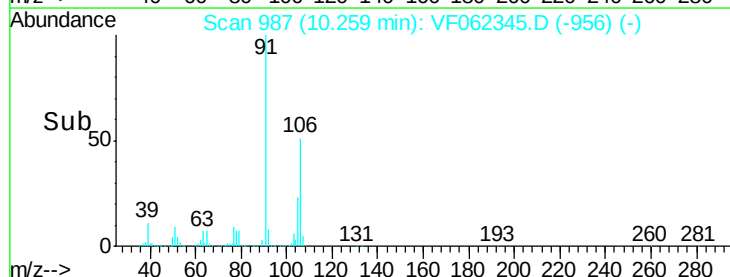
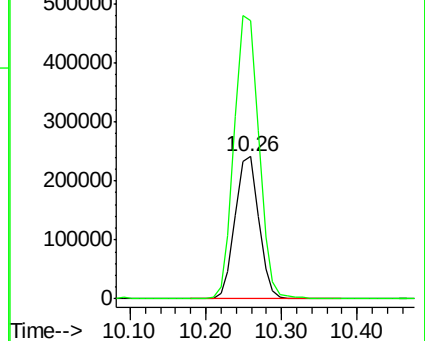
106 100

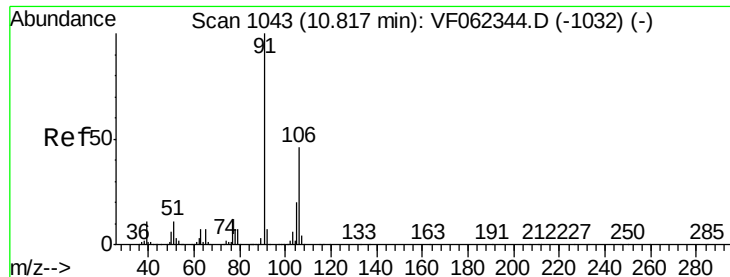
91 204.9 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

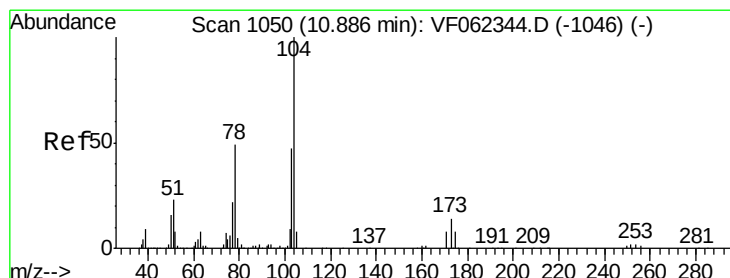
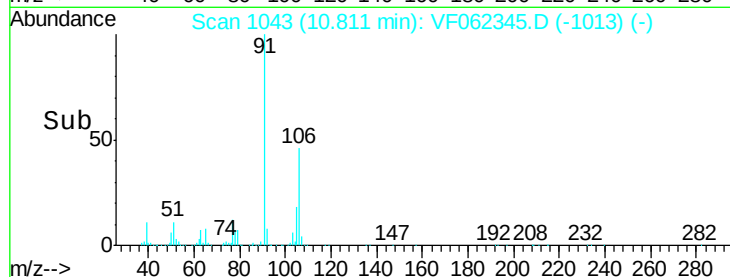
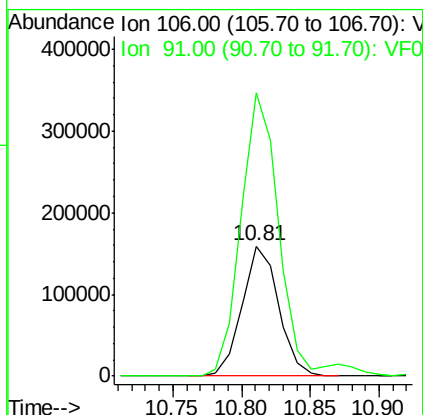
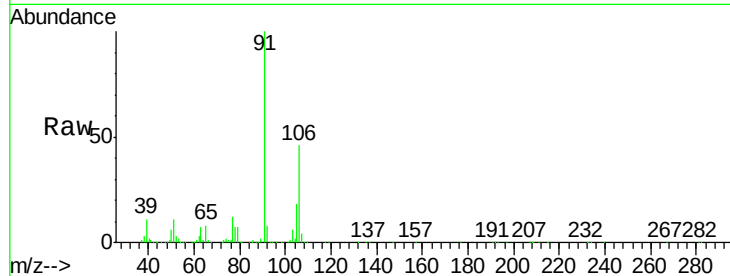




#69
o-Xylene
Concen: 53.143 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

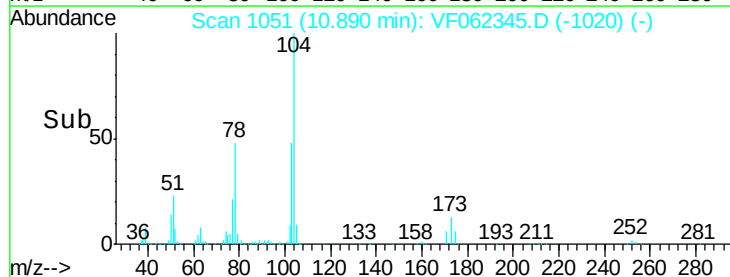
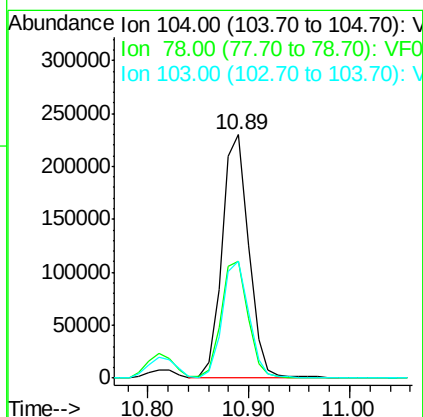
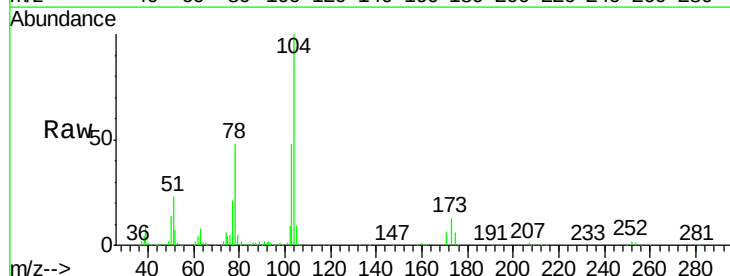
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

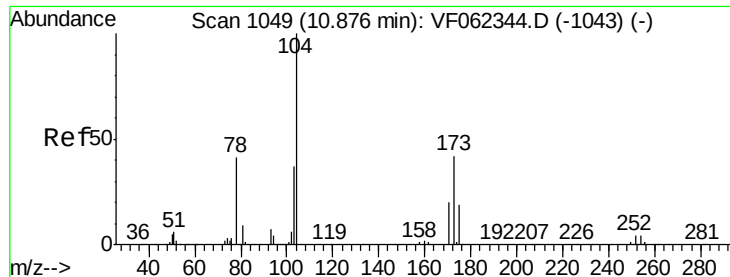
Tot Ion:106 Resp: 295131
Ion Ratio Lower Upper
106 100
91 222.9 111.3 333.8



#70
Styrene
Concen: 52.355 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

Tgt Ion:104 Resp: 421687
Ion Ratio Lower Upper
104 100
78 48.8 39.5 59.3
103 48.3 38.4 57.6





#71

Bromoform

Concen: 57.131 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

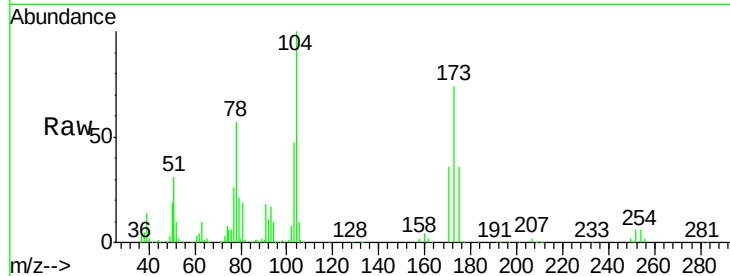
Tot Ion:173 Resp: 119834

Ion Ratio Lower Upper

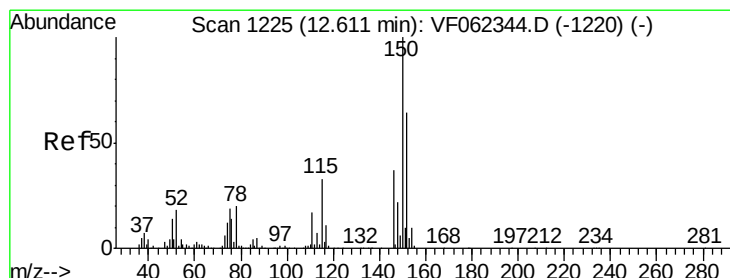
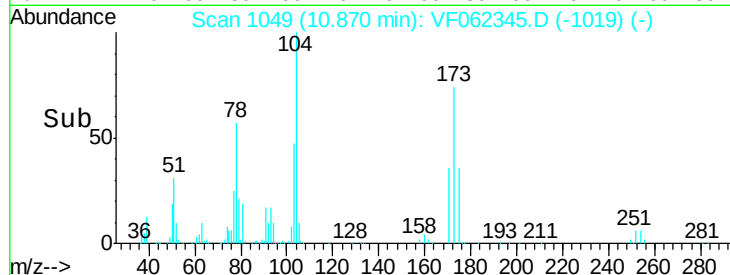
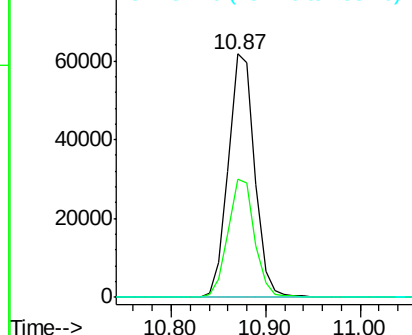
173 100

175 48.8 23.8 71.2

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: 12.60 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

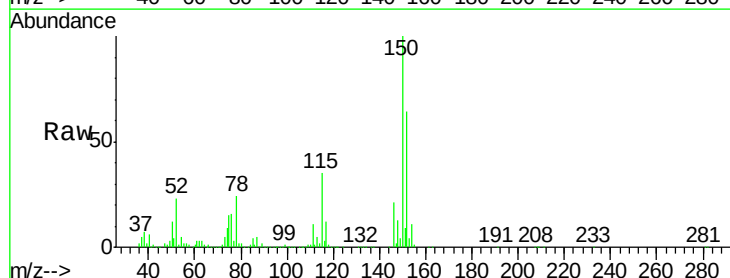
Tgt Ion:152 Resp: 202124

Ion Ratio Lower Upper

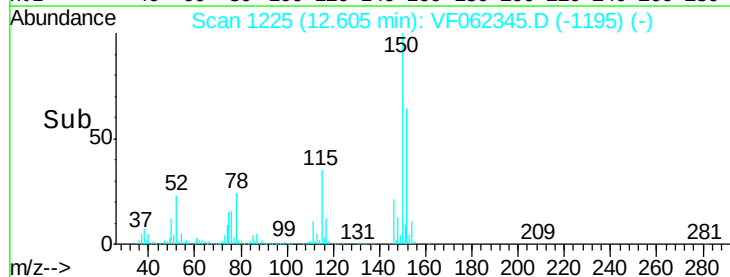
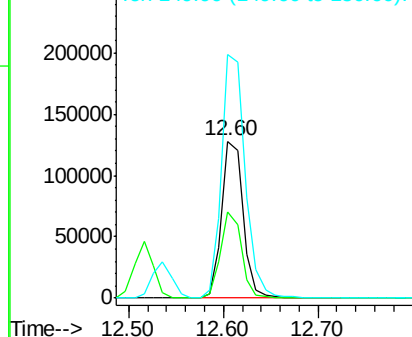
152 100

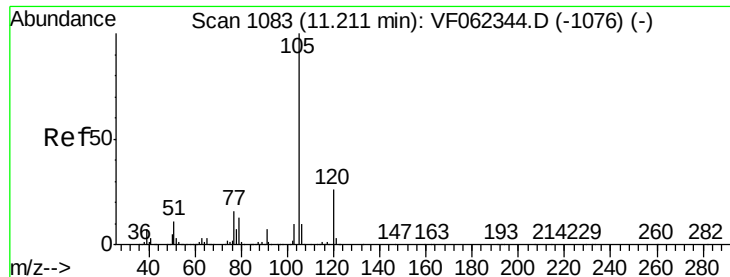
115 53.5 26.4 79.2

150 169.4 0.0 335.0



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: 54.648 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

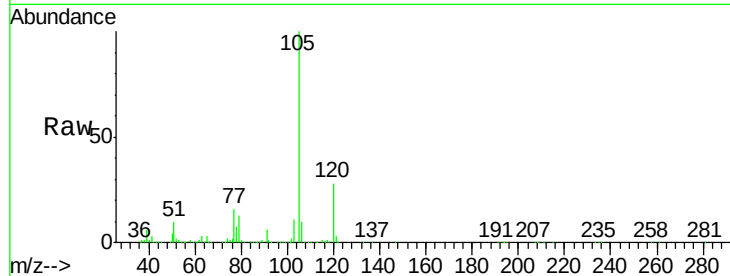
VSTDIC075

Tot Ion:105 Resp: 895221

Ion Ratio Lower Upper

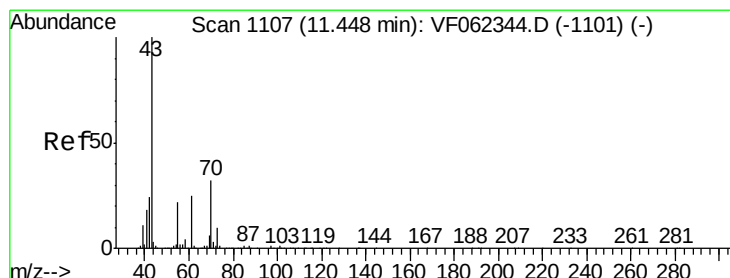
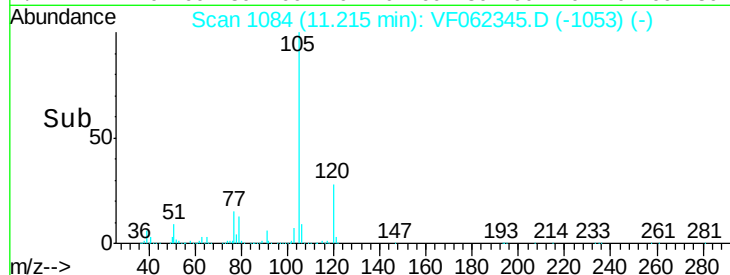
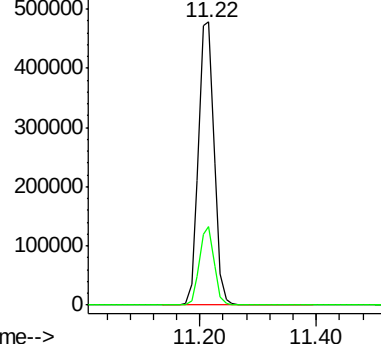
105 100

120 26.0 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.081 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Tgt Ion: 43 Resp: 184390

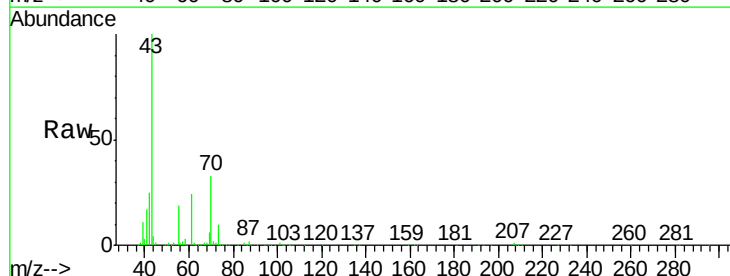
Ion Ratio Lower Upper

43 100

70 33.5 26.5 39.7

55 19.9 17.8 26.6

61 23.2 20.2 30.2

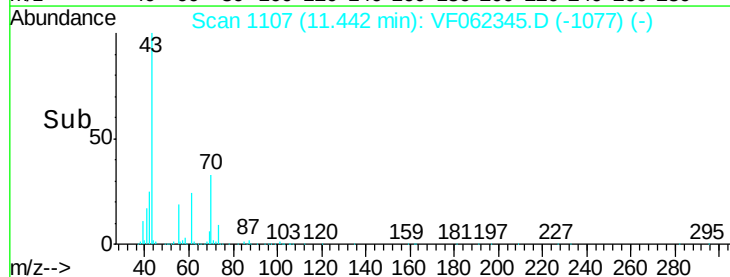
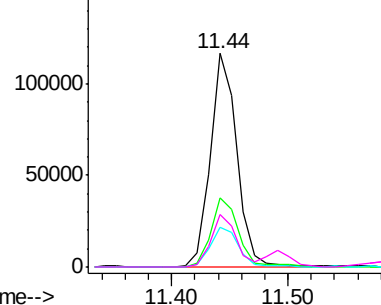


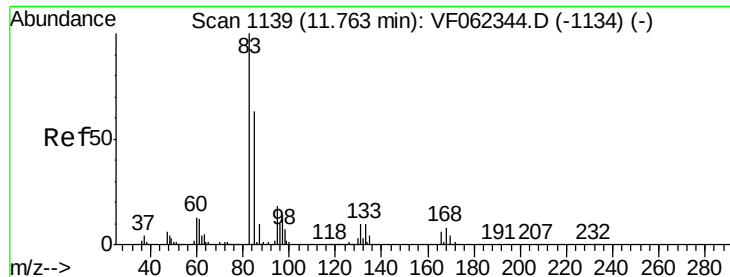
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.689 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

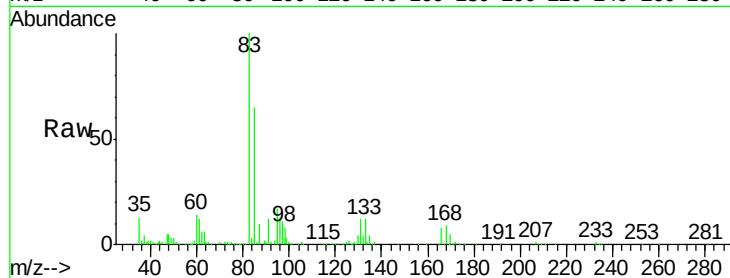
Tot Ion: 83 Resp: 143863

Ion Ratio Lower Upper

83 100

131 12.3 5.8 17.4

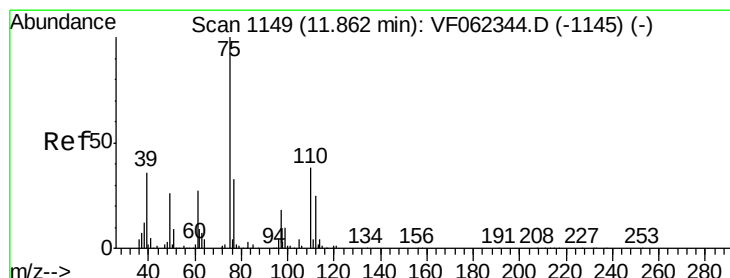
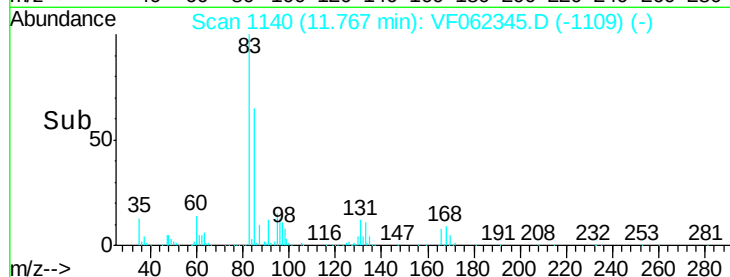
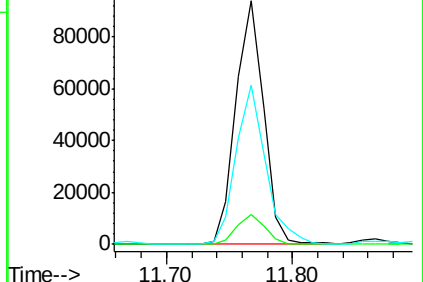
85 70.4 35.3 105.7



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: 53.823 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VF062345.D

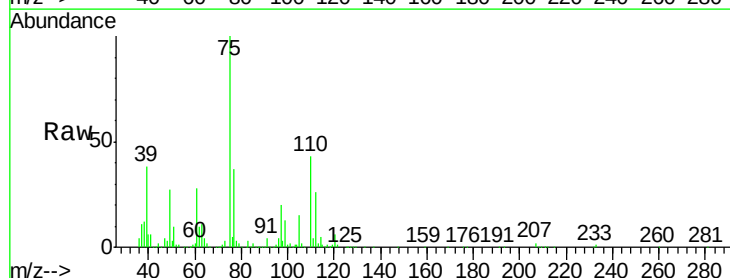
Acq: 6 May 2019 19:36

Tgt Ion: 75 Resp: 101298

Ion Ratio Lower Upper

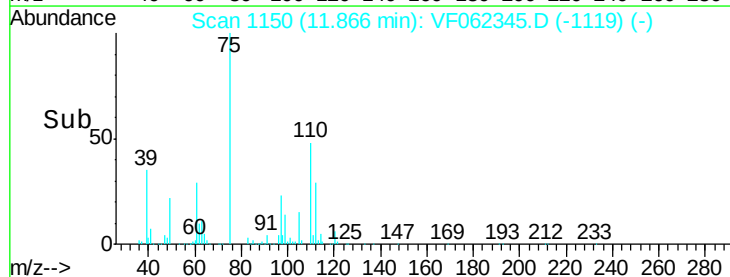
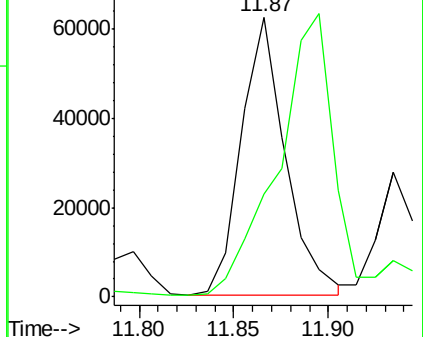
75 100

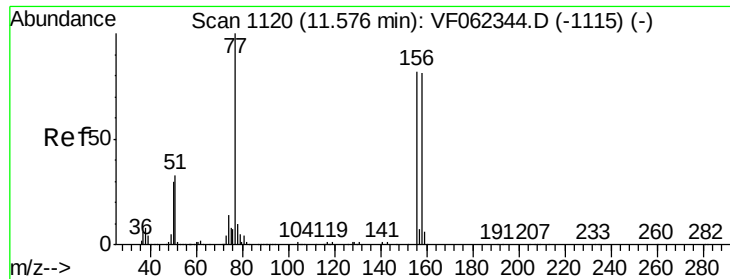
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 56.078 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

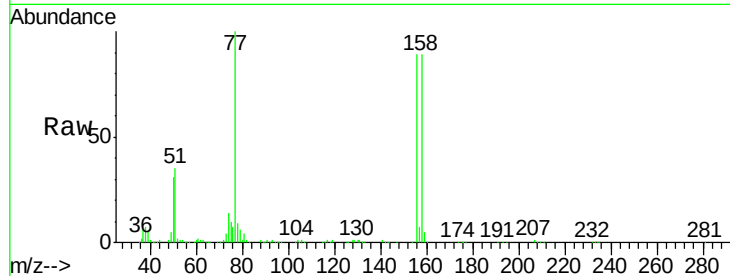
Tot Ion:156 Resp: 232274

Ion Ratio Lower Upper

156 100

77 131.2 64.8 194.3

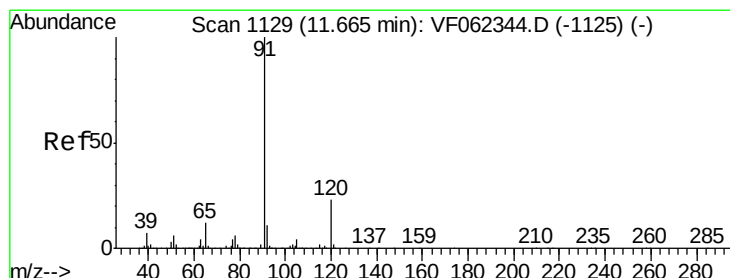
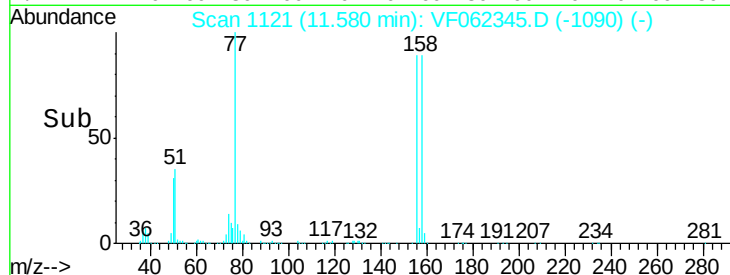
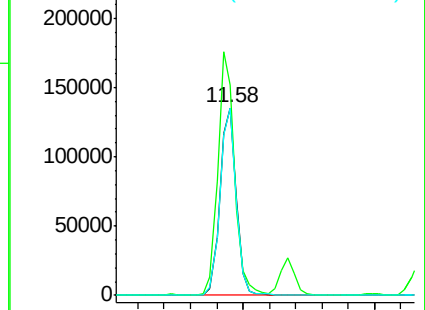
158 99.0 49.1 147.3



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: 54.388 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF062345.D

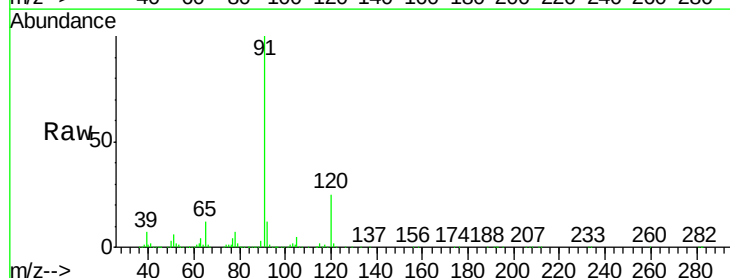
Acq: 6 May 2019 19:36

Tgt Ion: 91 Resp: 927819

Ion Ratio Lower Upper

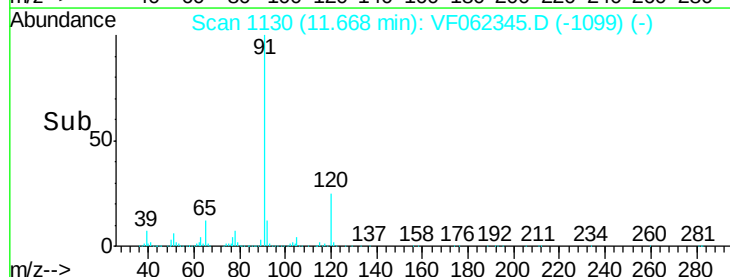
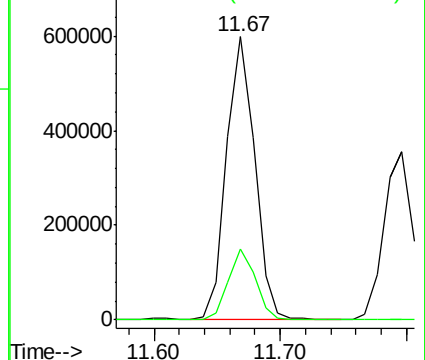
91 100

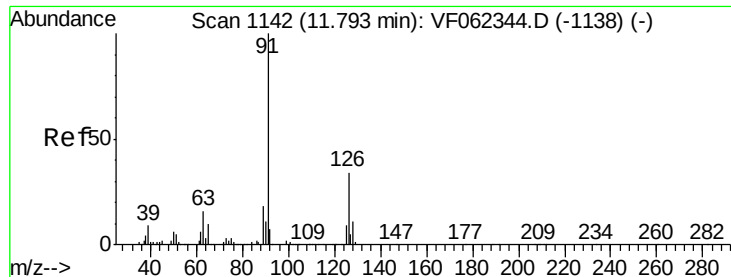
120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.470 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

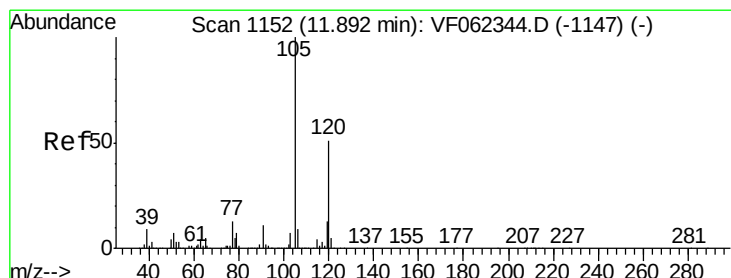
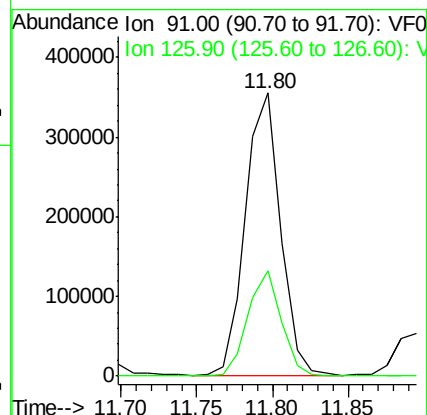
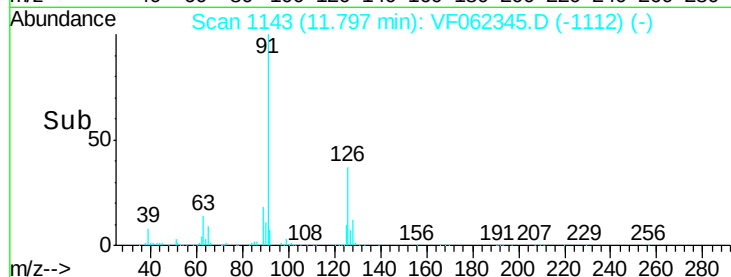
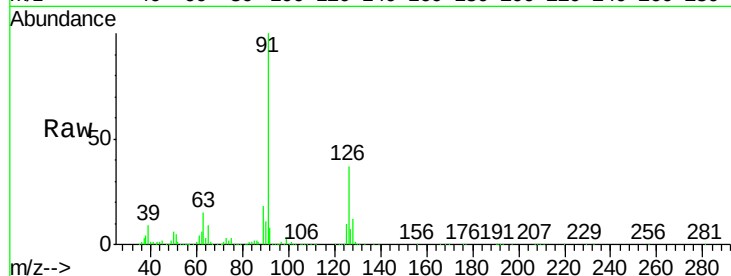
VSTDIC075

Tot Ion: 91 Resp: 571079

Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 53.672 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062345.D

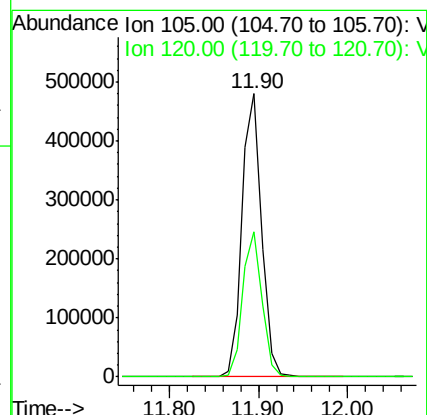
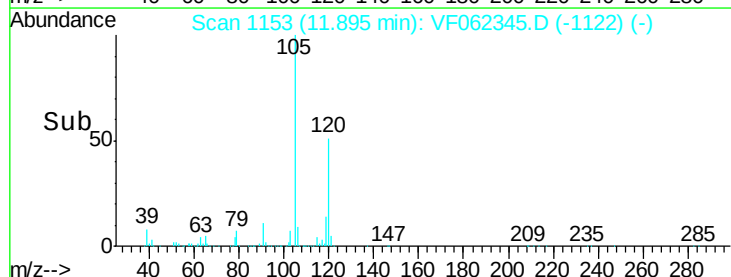
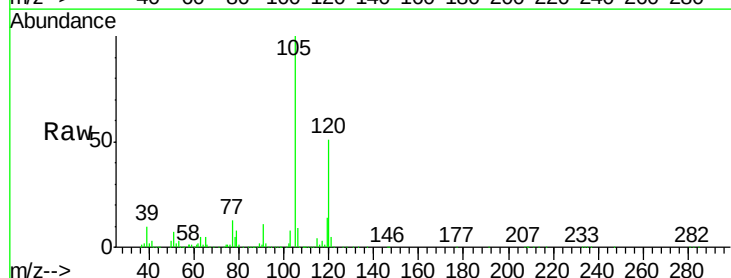
Acq: 6 May 2019 19:36

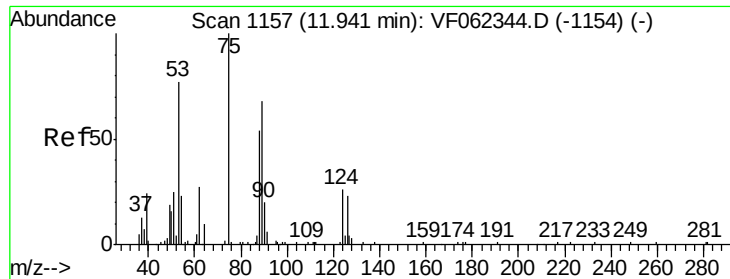
Tgt Ion: 105 Resp: 740061

Ion Ratio Lower Upper

105 100

120 50.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.275 ug/l m

RT: 11.93 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

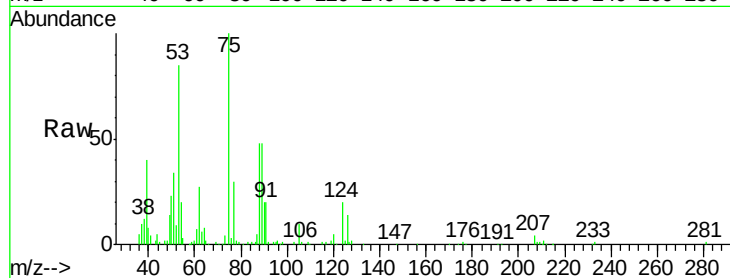
Tot Ion: 75 Resp: 40588

Ion Ratio Lower Upper

75 100

53 80.9 71.9 107.9

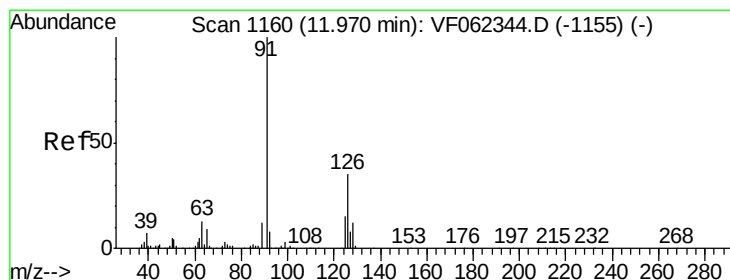
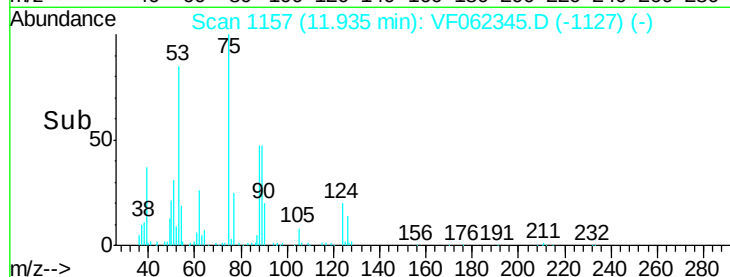
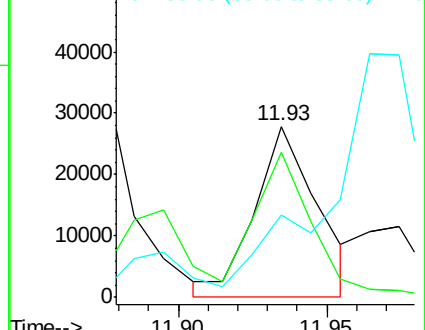
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 54.529 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062345.D

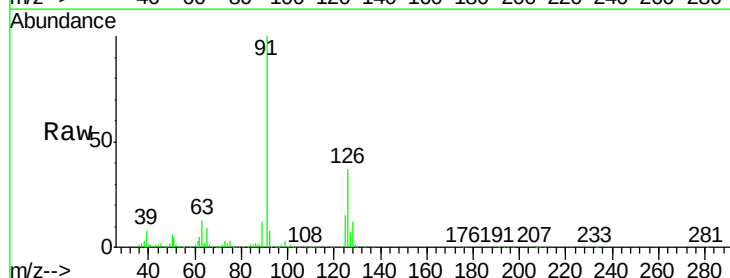
Acq: 6 May 2019 19:36

Tgt Ion: 91 Resp: 561640

Ion Ratio Lower Upper

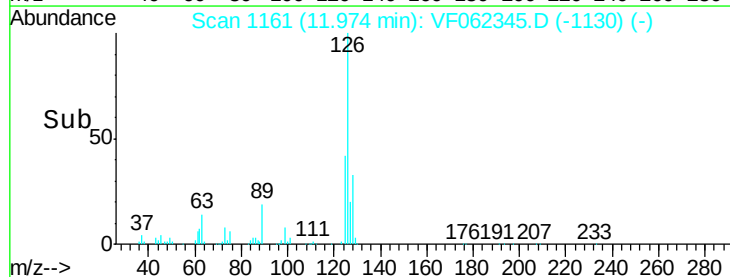
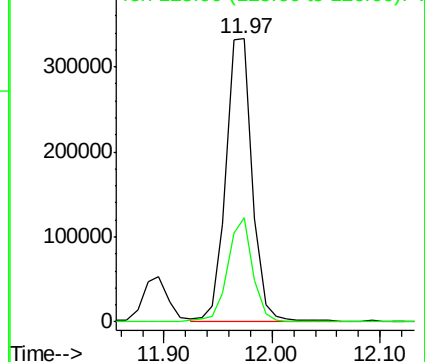
91 100

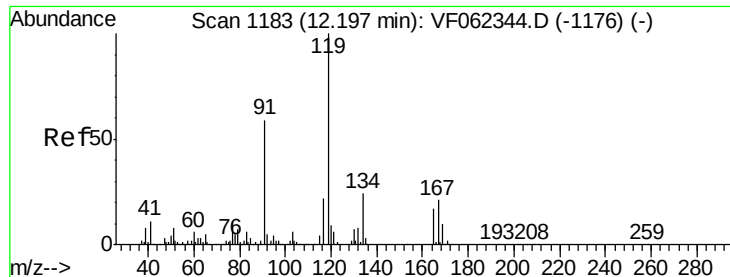
126 35.3 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

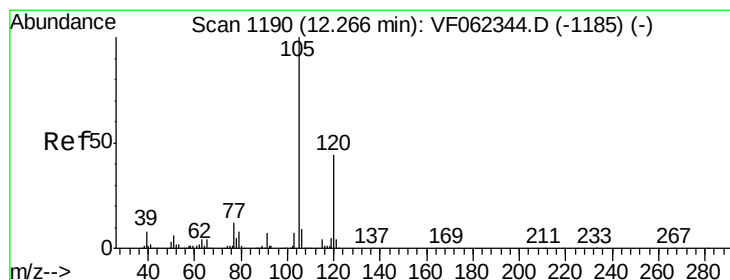
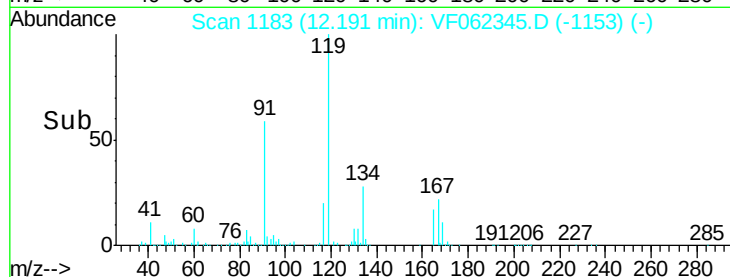
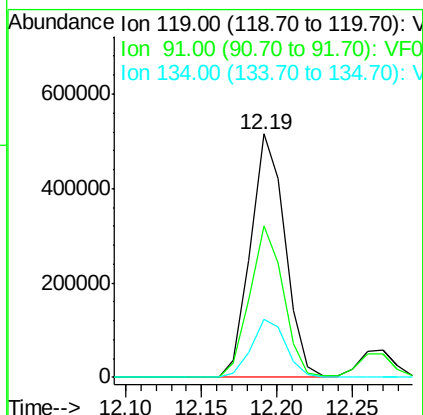
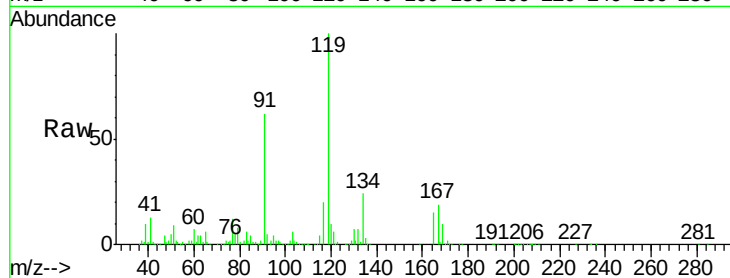




#83
 tert-Butylbenzene
 Concen: 57.270 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

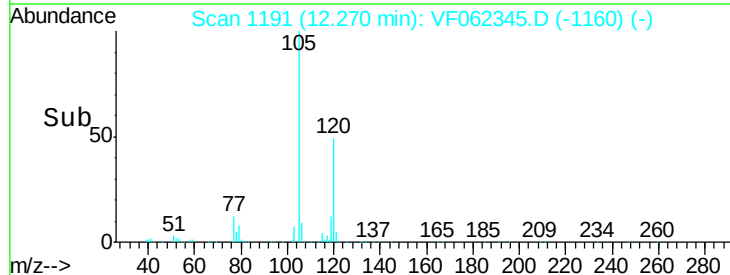
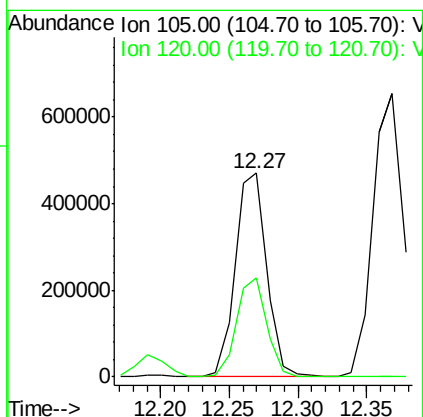
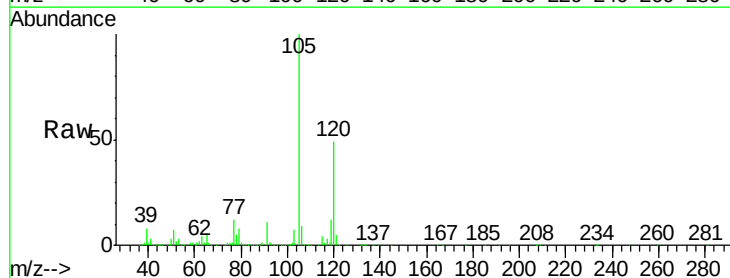
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

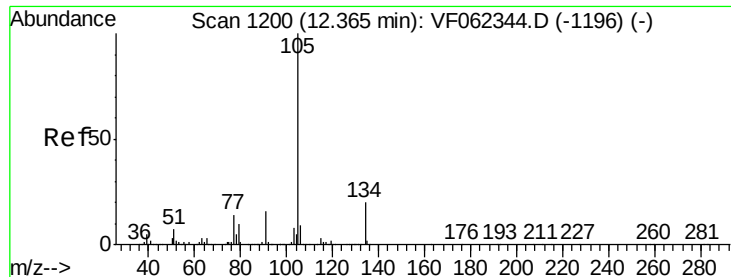
Tot Ion:119 Resp: 824222
 Ion Ratio Lower Upper
 119 100
 91 60.2 30.4 91.3
 134 23.9 11.9 35.7



#84
 1,2,4-Trimethylbenzene
 Concen: 55.269 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

Tgt Ion:105 Resp: 747309
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.6 67.7





#85

sec-Butylbenzene

Concen: 57.630 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

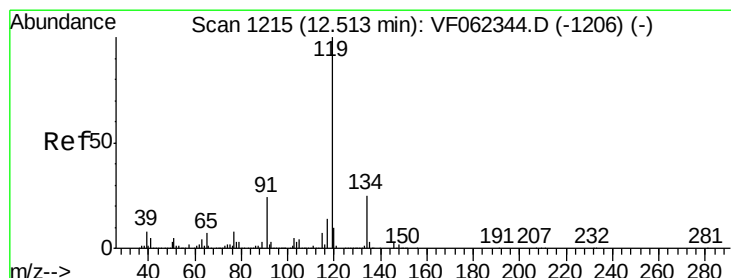
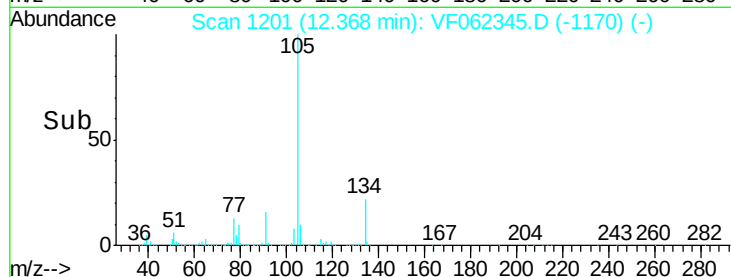
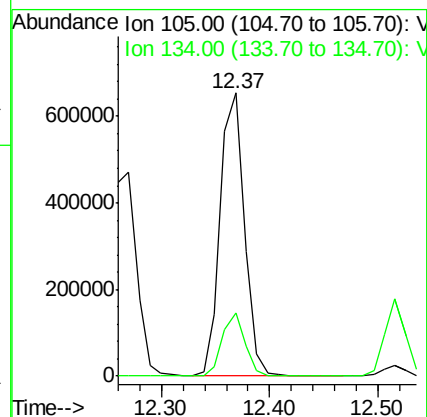
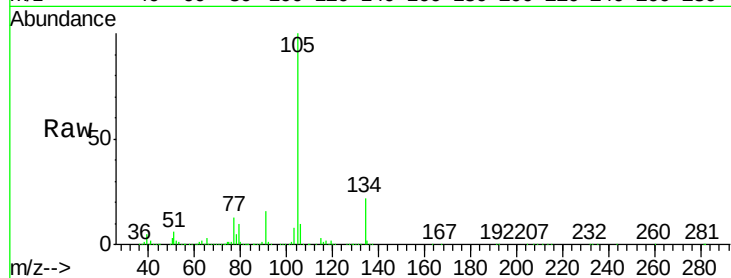
VSTDIC075

Tot Ion:105 Resp: 1021174

Ion Ratio Lower Upper

105 100

134 20.9 9.8 29.5



#86

p-Isopropyltoluene

Concen: 56.647 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

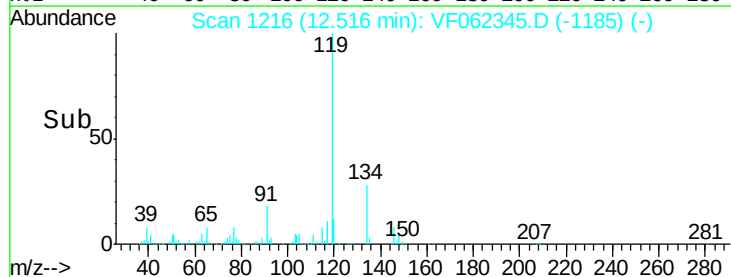
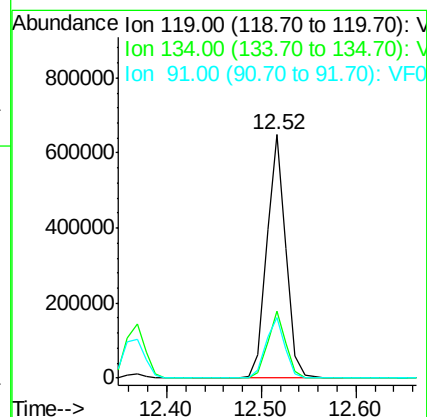
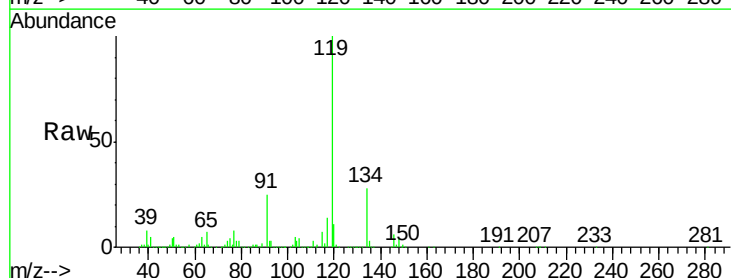
Tgt Ion:119 Resp: 906223

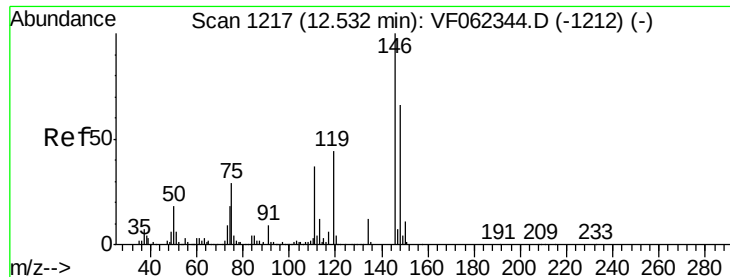
Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.7

91 25.1 12.3 36.8

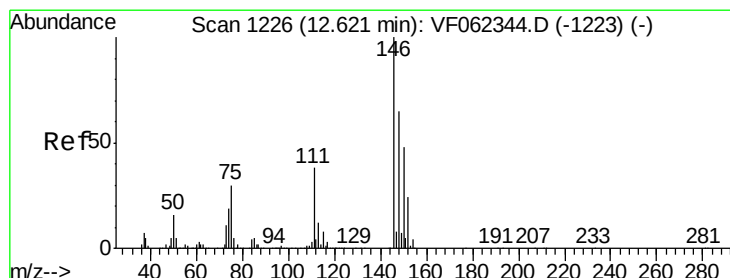
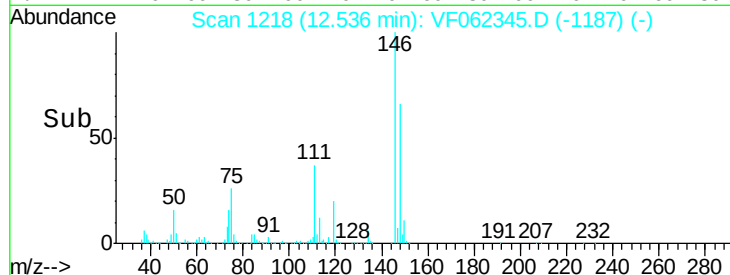
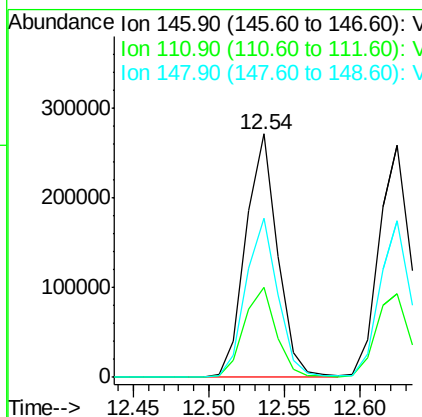
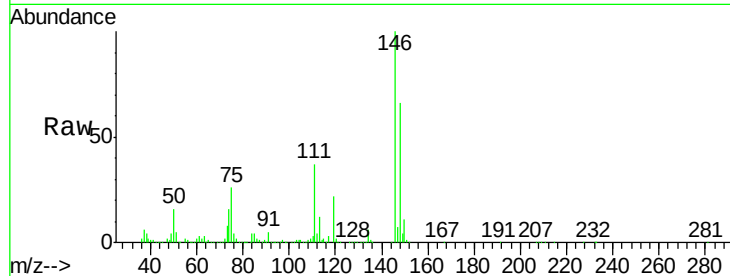




#87
 1,3-Dichlorobenzene
 Concen: 54.657 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

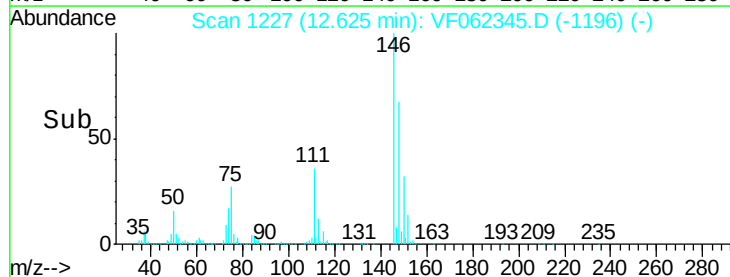
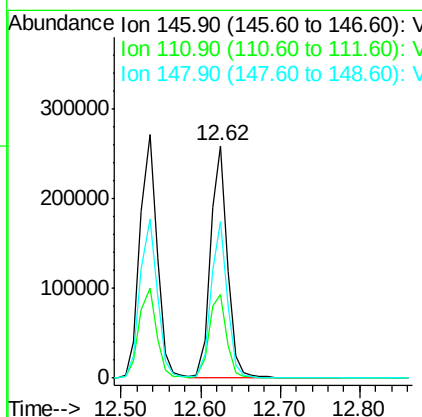
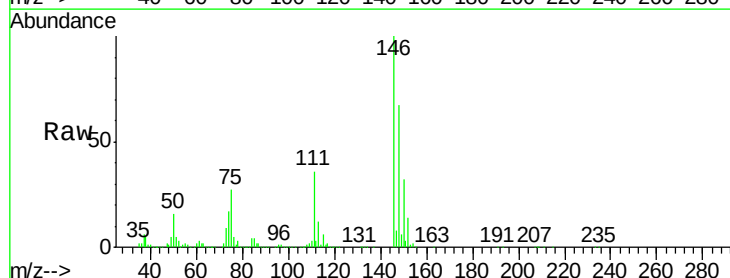
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

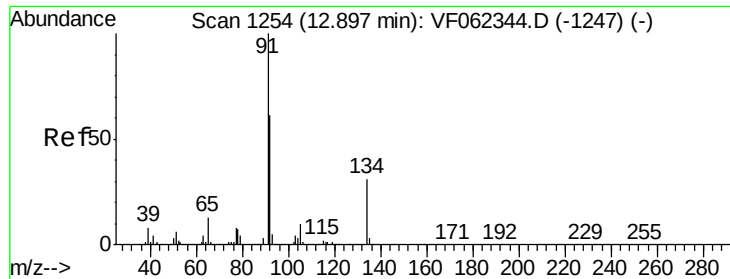
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.3	54.8
148	65.9	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 54.796 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	65.7	32.2	96.6

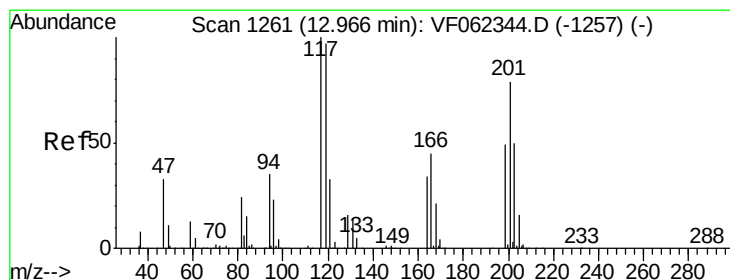
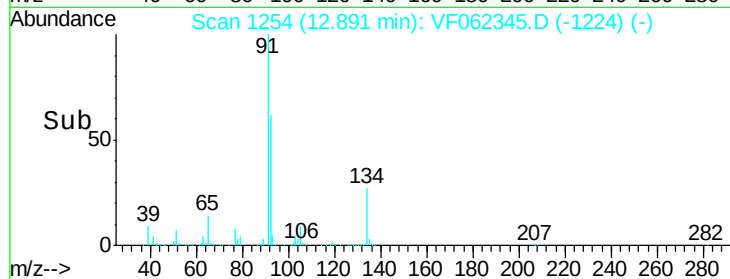
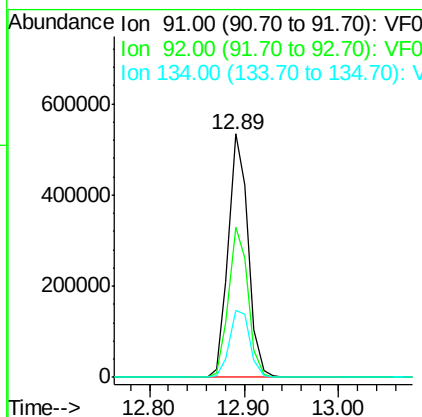
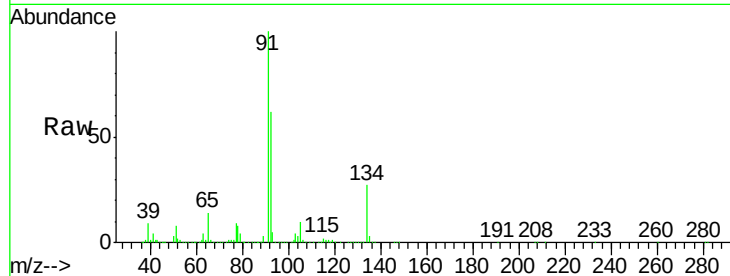




#89
n-Butylbenzene
Concen: 53.940 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

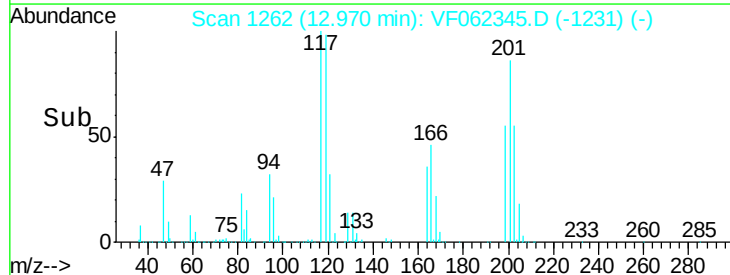
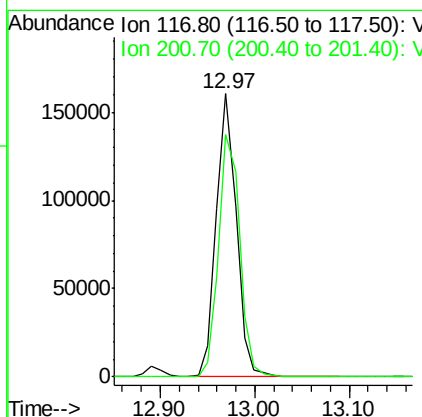
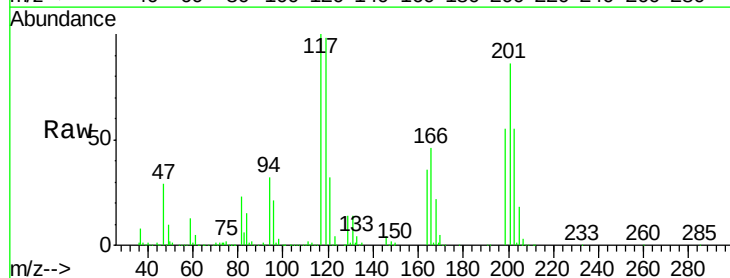
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

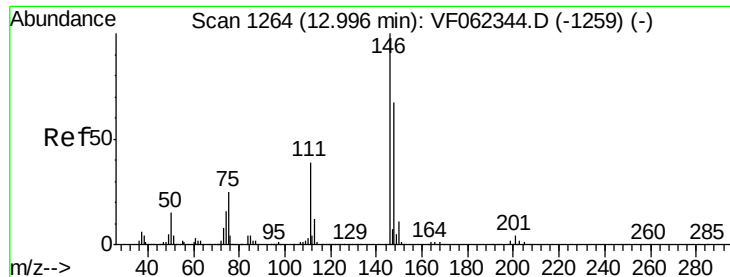
Tot Ion: 91 Resp: 774513
Ion Ratio Lower Upper
91 100
92 60.8 30.0 90.0
134 28.7 14.1 42.4



#90
Hexachloroethane
Concen: 58.507 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

Tgt Ion: 117 Resp: 237782
Ion Ratio Lower Upper
117 100
201 90.2 46.2 138.5

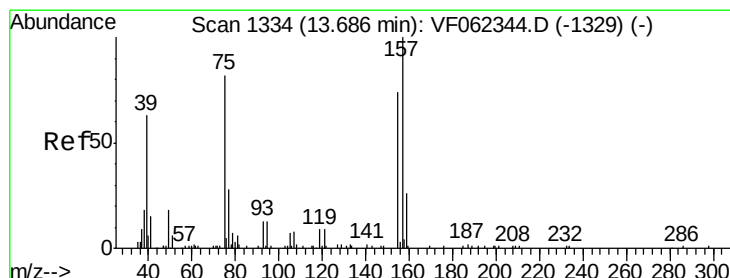
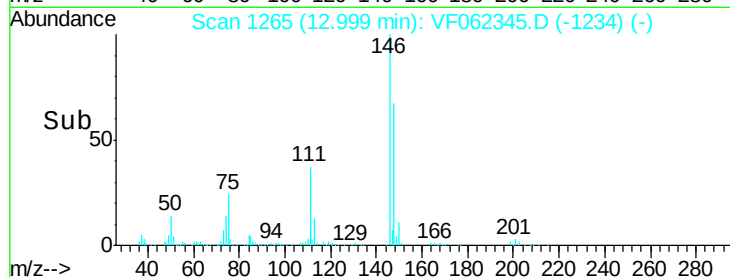
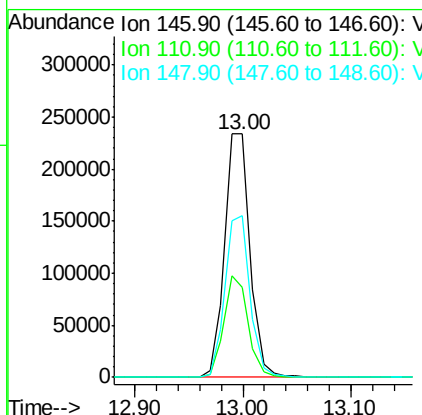
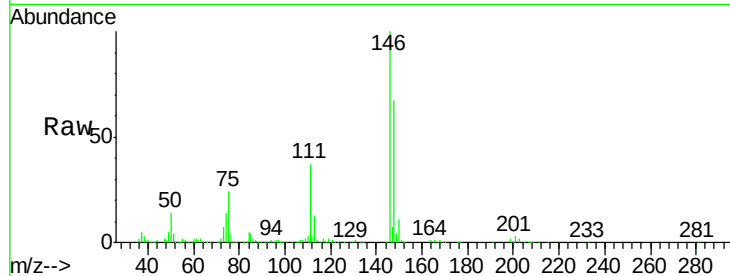




#91
 1,2-Dichlorobenzene
 Concen: 54.617 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

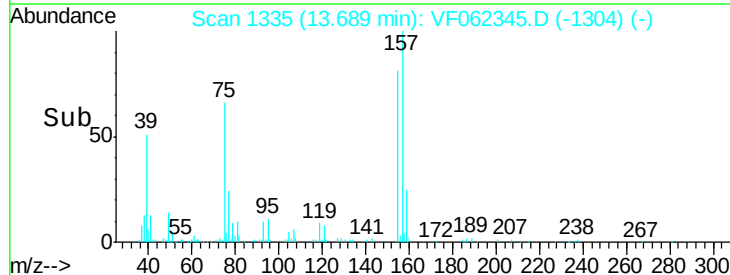
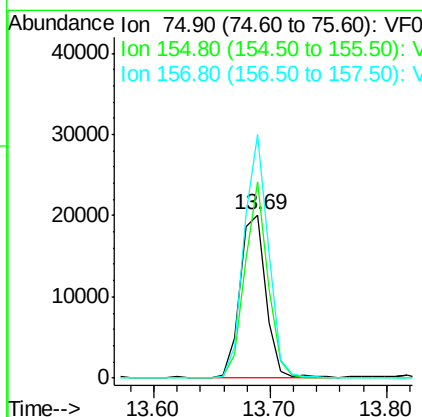
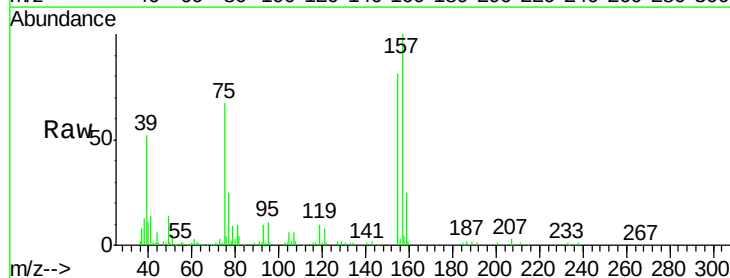
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

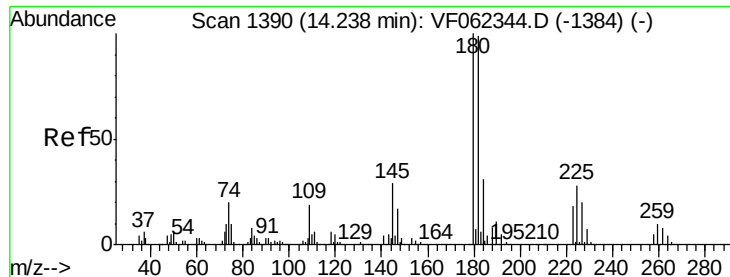
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	65.8	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.281 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.5	51.8	155.4
157	136.7	67.3	201.8

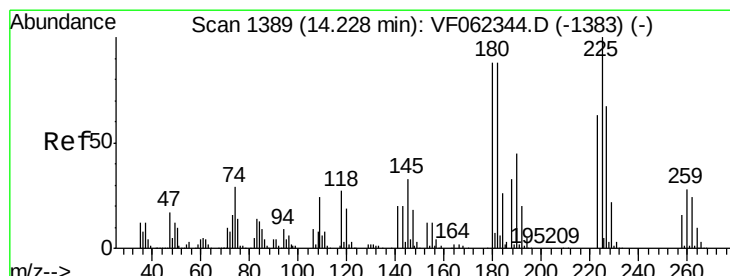
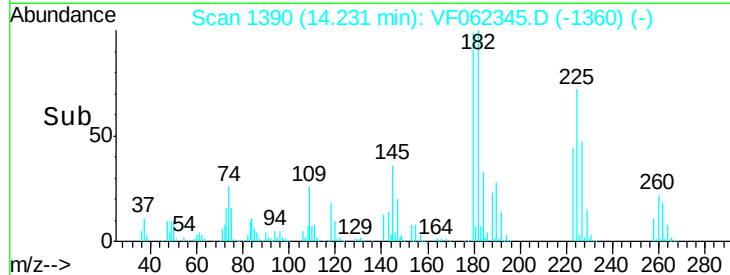
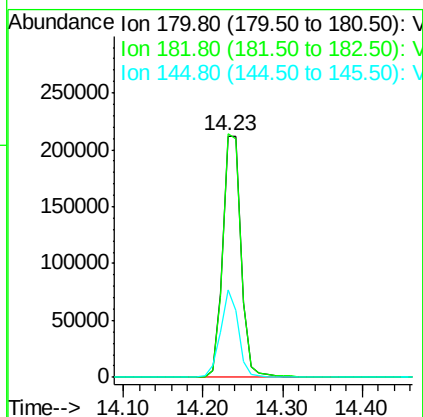
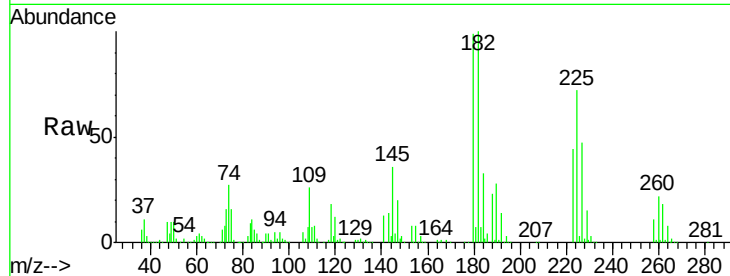




#93
 1,2,4-Trichlorobenzene
 Concen: 55.928 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

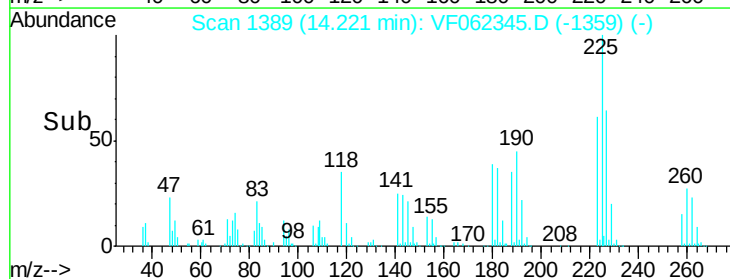
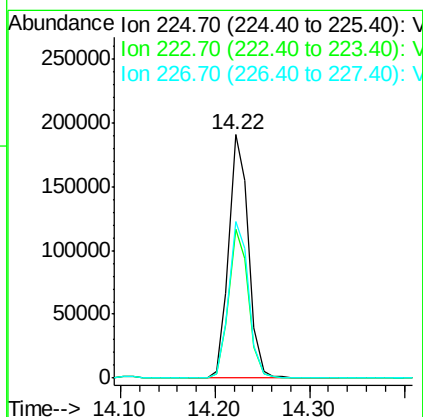
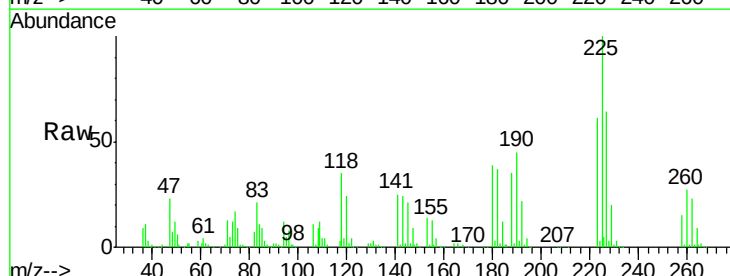
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

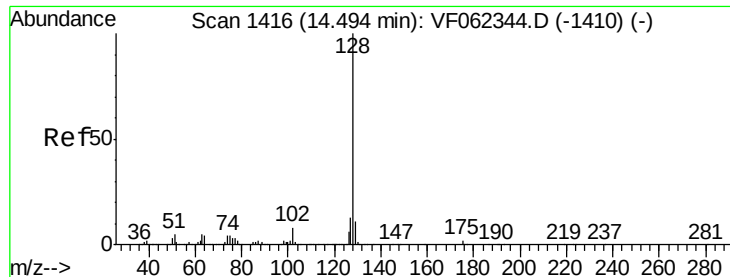
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.8	49.0	147.0
145	34.9	16.7	50.1



#94
 Hexachlorobutadiene
 Concen: 60.300 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.9	95.5
227	64.7	33.1	99.5





#95

Naphthalene

Concen: 60.025 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

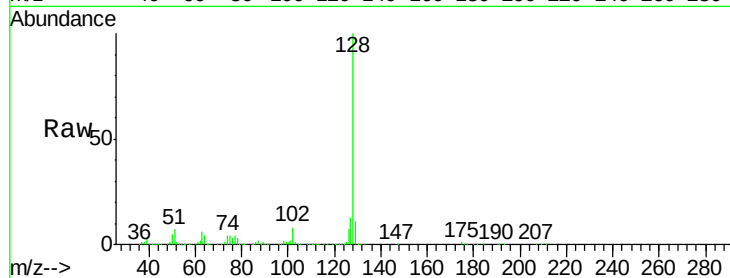
Tot Ion:128 Resp: 585047

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

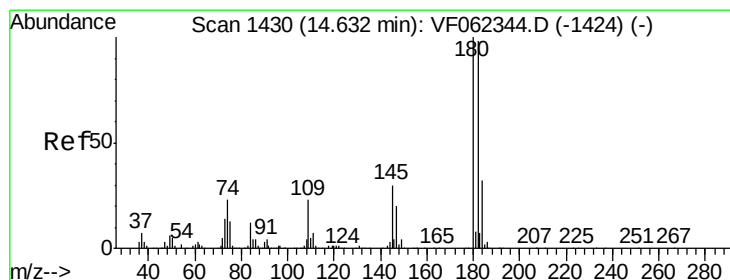
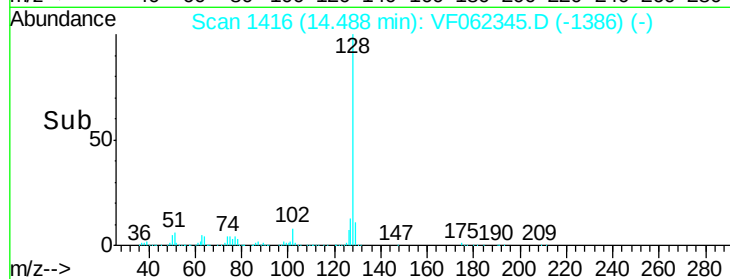
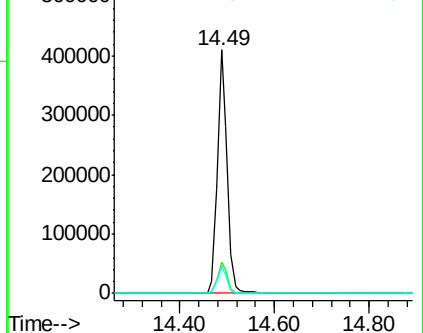
129 10.8 8.6 12.8



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: 59.236 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

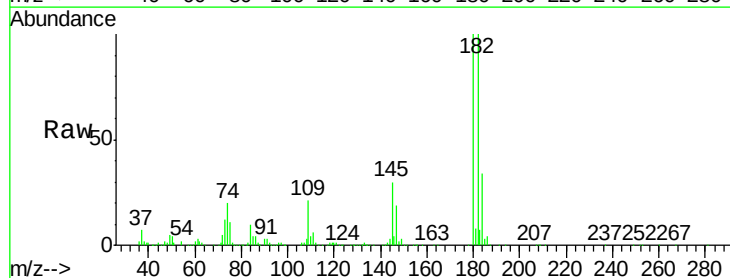
Tgt Ion:180 Resp: 355925

Ion Ratio Lower Upper

180 100

182 98.3 49.4 148.0

145 30.3 14.8 44.3



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

