

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 03:41:54 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	293089	47.564	ug/l	95
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	298904	46.836	ug/l	99
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	320123	39.329	ug/l	94
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	116051	31.897	ug/l	94
21) trans-1,2-Dichloroethene	2.42	96	111957	35.165	ug/l	92
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	138951	27.766	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	257636	48.713	ug/l	99
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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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	56220	72.408	ug/l #	67
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

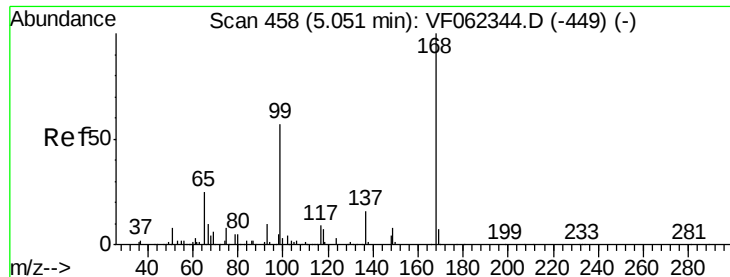
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF050619\
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Quant Title : SW846 8260
QLast Update : Tue May 07 03:35:09 2019
Response via : Initial Calibration

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 :

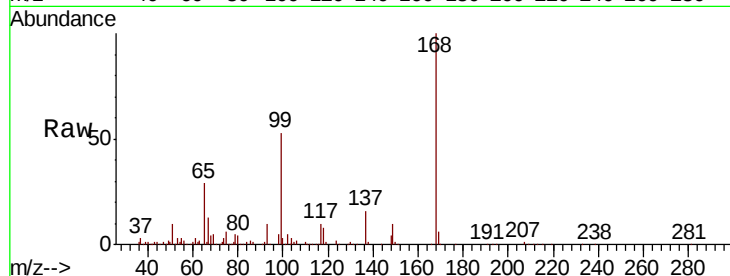
VSTDIC075

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

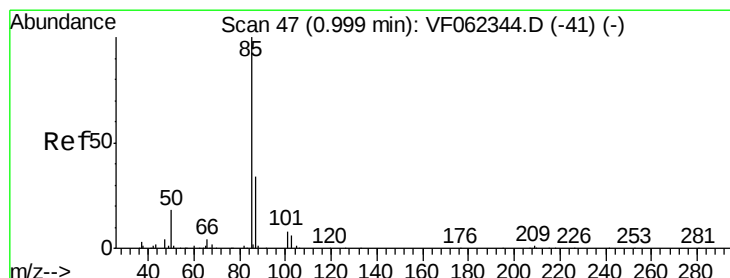
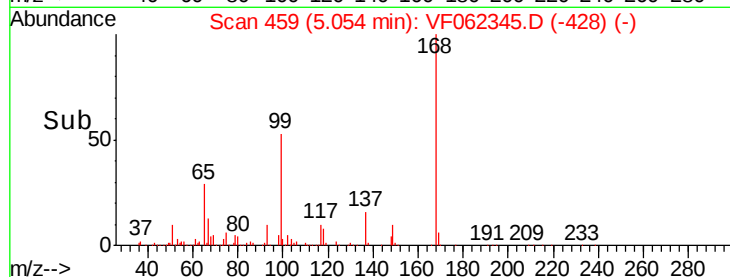
40000

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

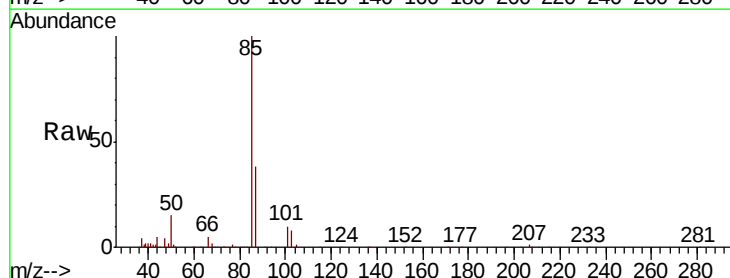
Acq: 6 May 2019 19:36

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

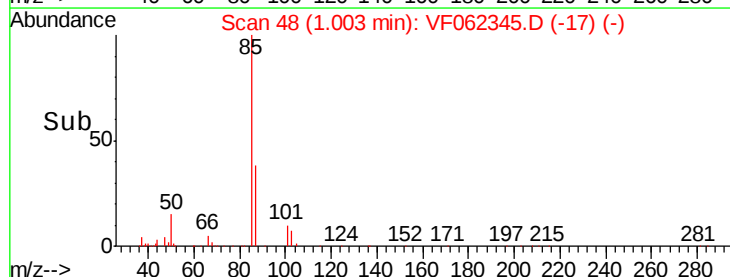
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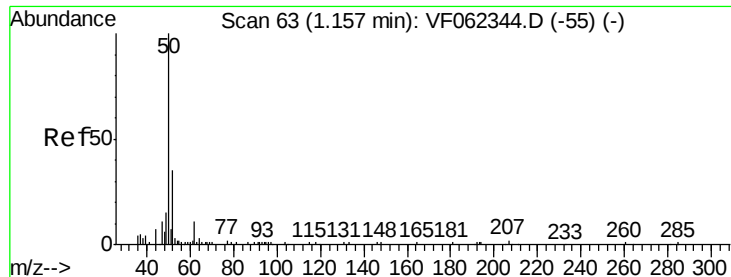
20000

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 :

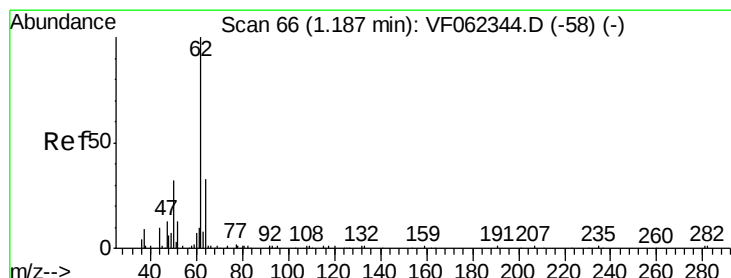
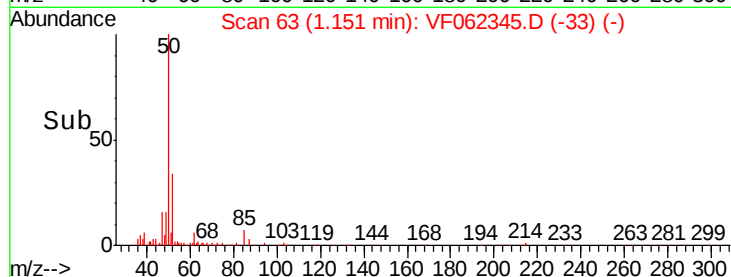
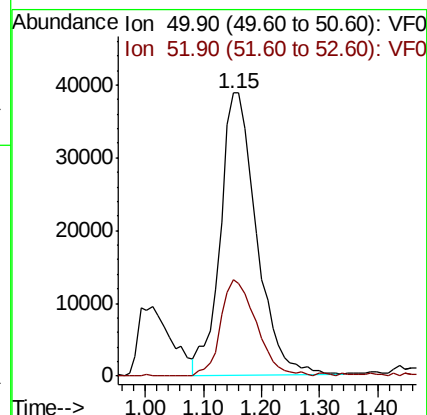
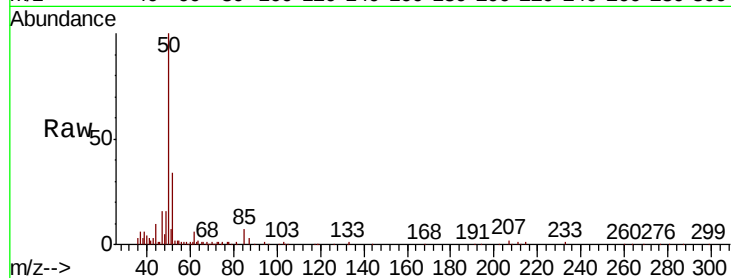
VSTDIC075

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

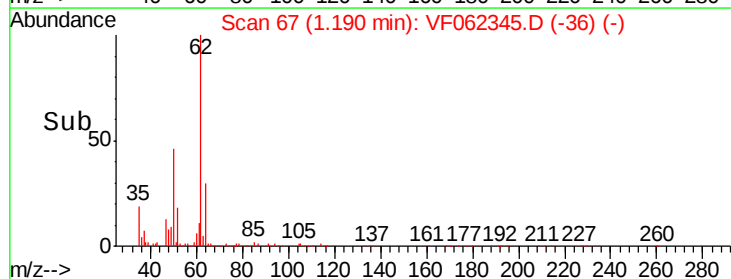
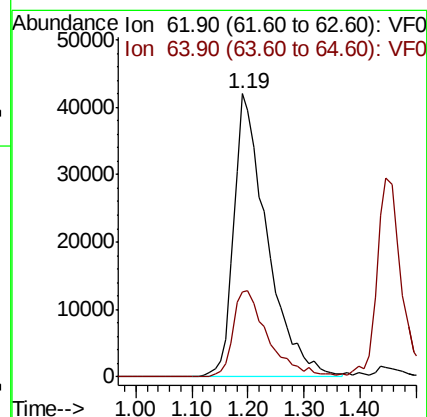
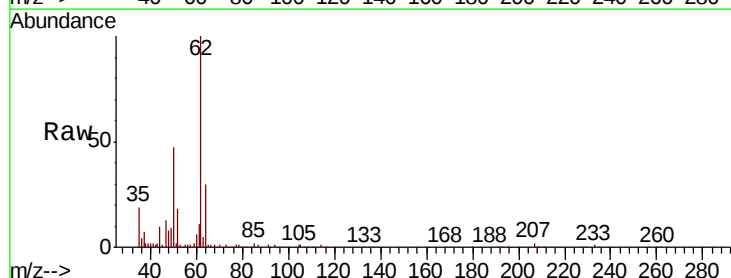
Acq: 6 May 2019 19:36

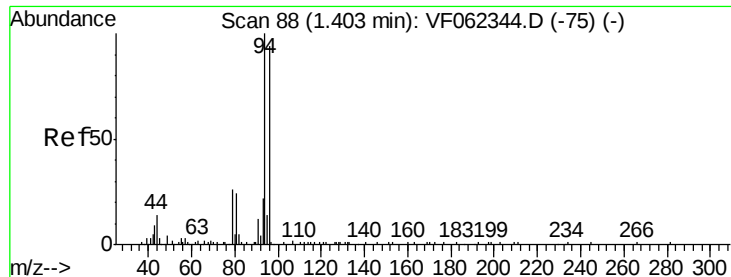
Tgt Ion: 62 Resp: 172834

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 :

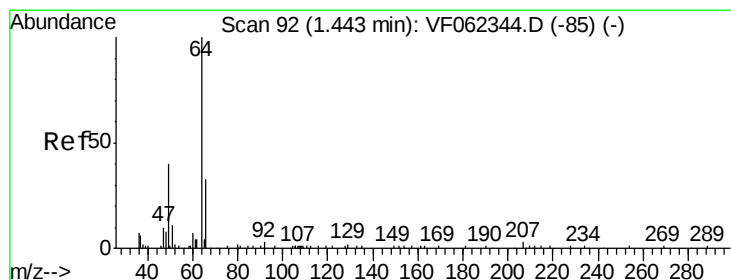
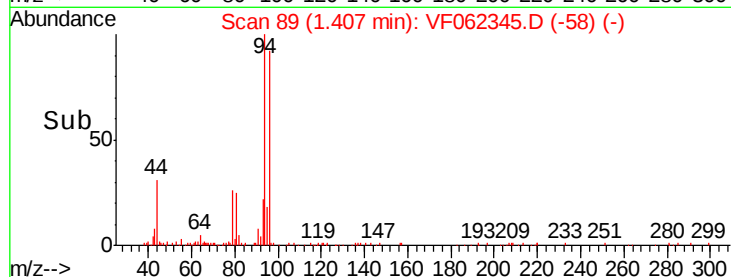
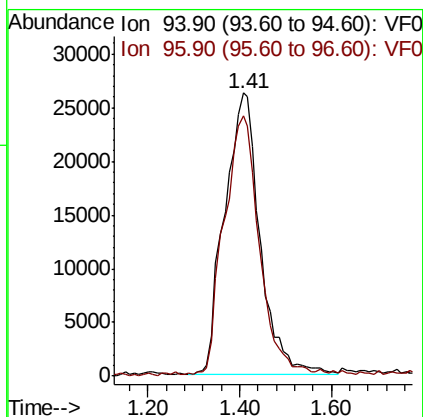
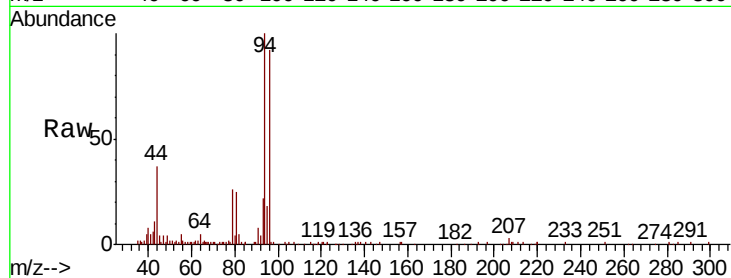
VSTDIC075

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

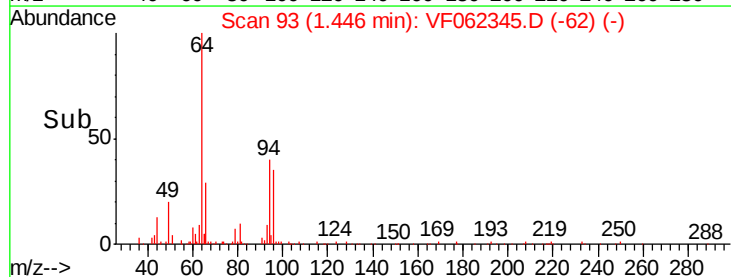
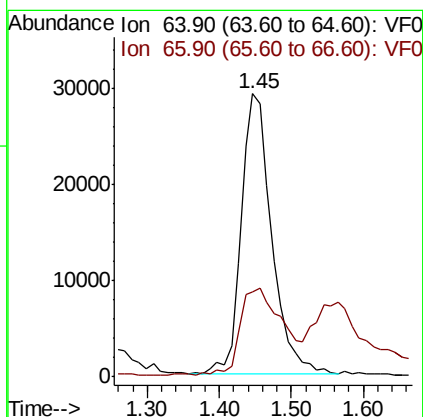
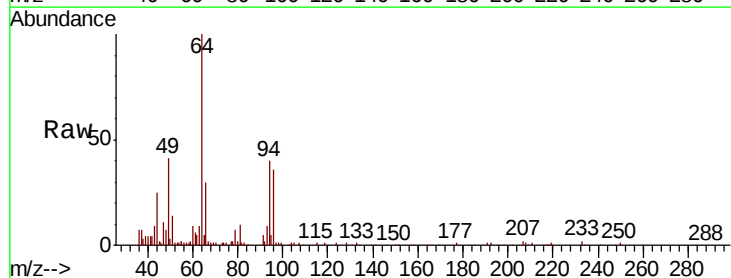
Acq: 6 May 2019 19:36

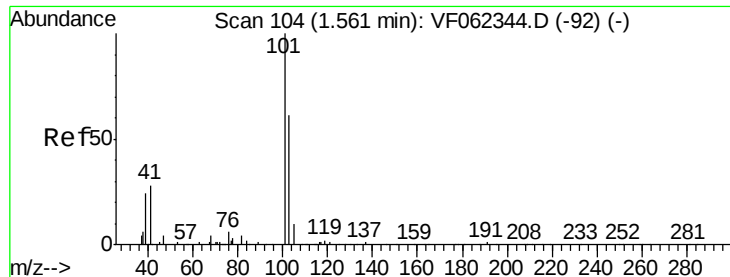
Tgt Ion: 64 Resp: 86068

Ion Ratio Lower Upper

64 100

66 29.3 26.6 39.8



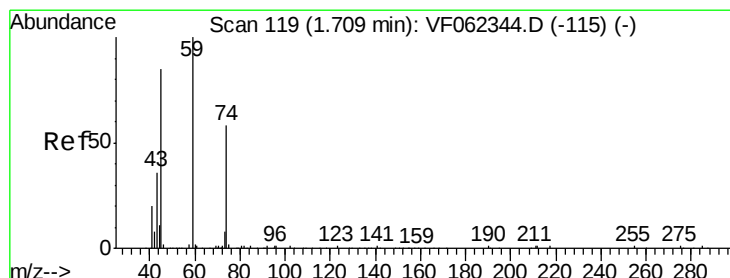
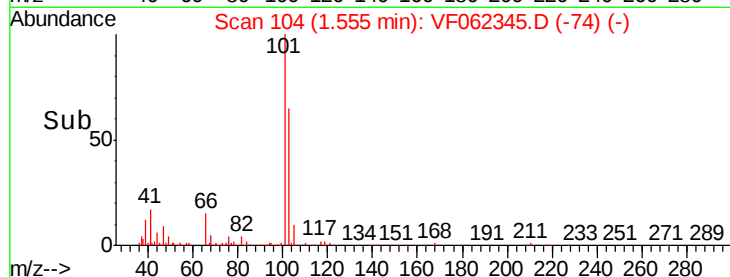
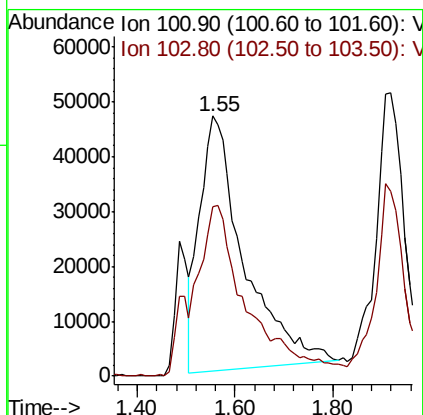
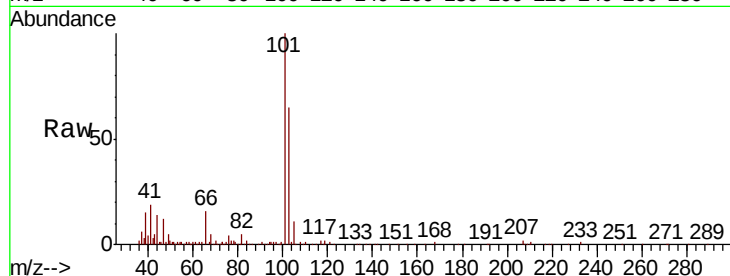


#7

Trichlorofluoromethane
Concen: 47.564 ug/l
RT: 1.55 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

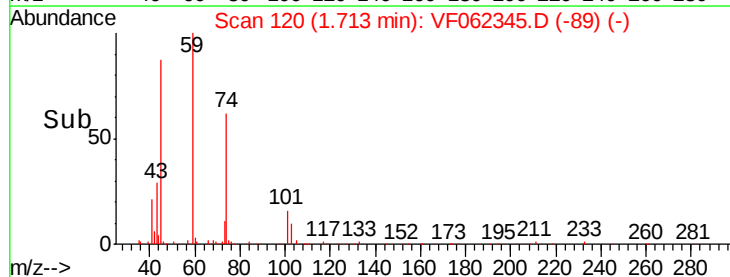
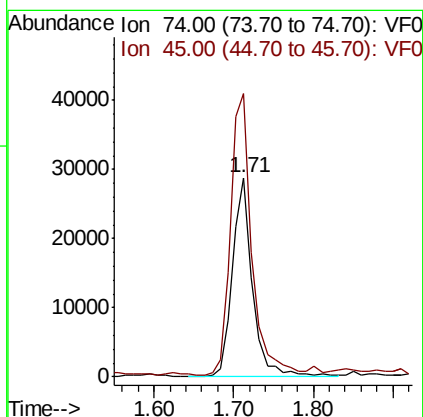
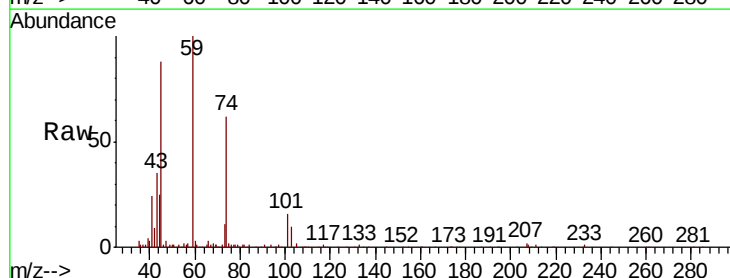
Tot Ion:101 Resp: 293089
Ion Ratio Lower Upper
101 100
103 64.5 48.5 72.7

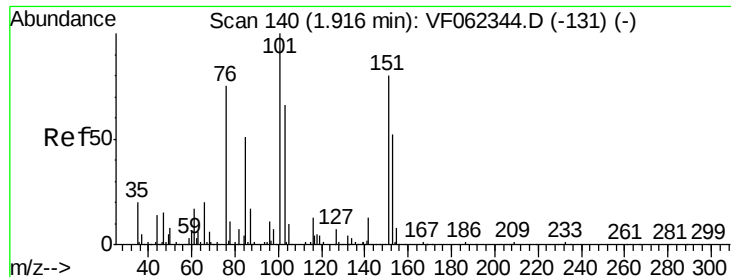


#8

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

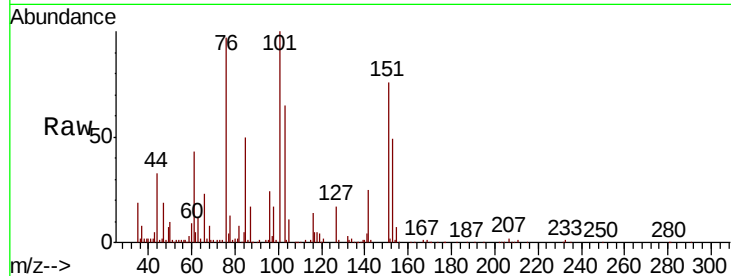
Tot Ion:101 Resp: 213011

Ion Ratio Lower Upper

101 100

85 47.6 39.5 59.3

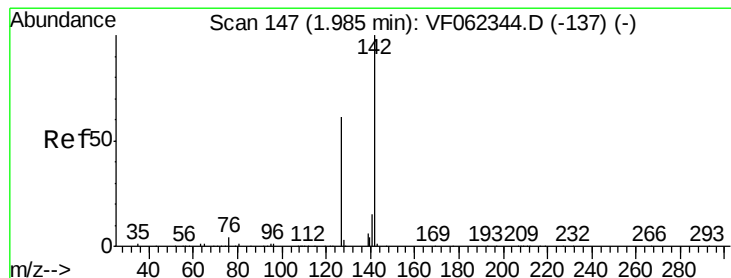
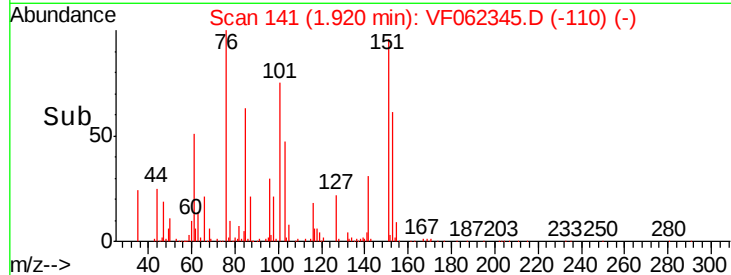
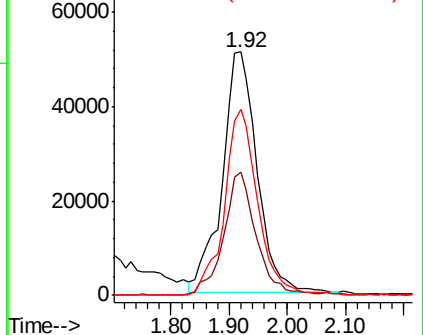
151 73.1 59.9 89.9



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: 46.836 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

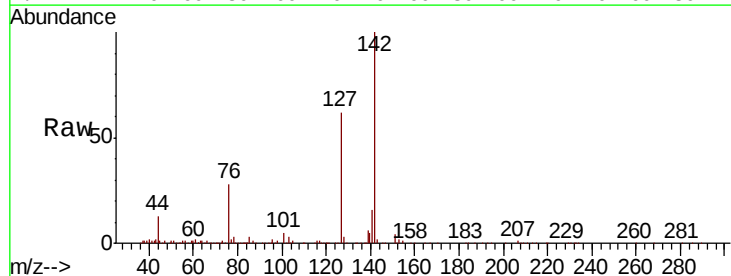
Tgt Ion:142 Resp: 298904

Ion Ratio Lower Upper

142 100

127 60.0 48.4 72.6

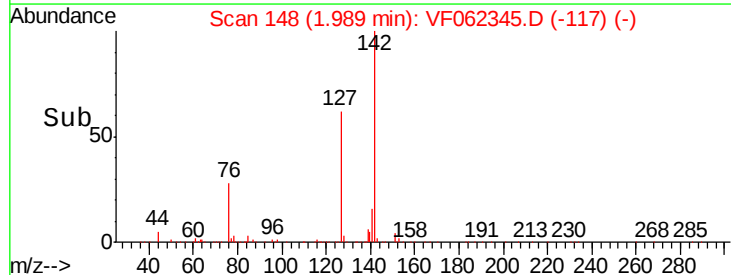
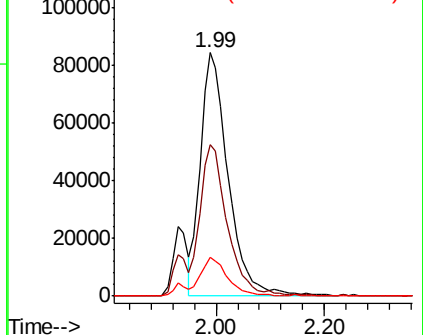
141 15.1 12.2 18.4

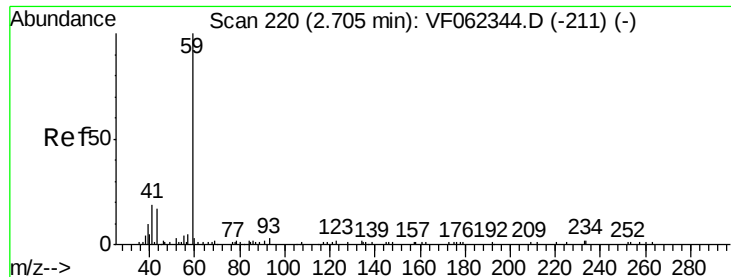


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



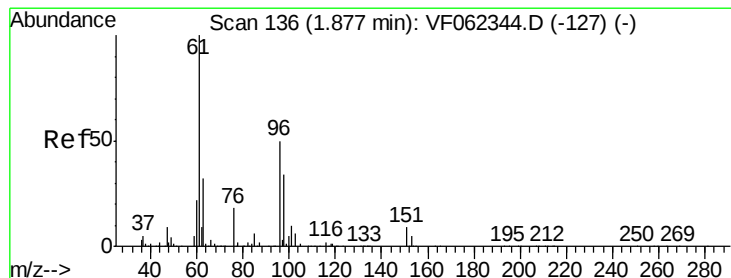
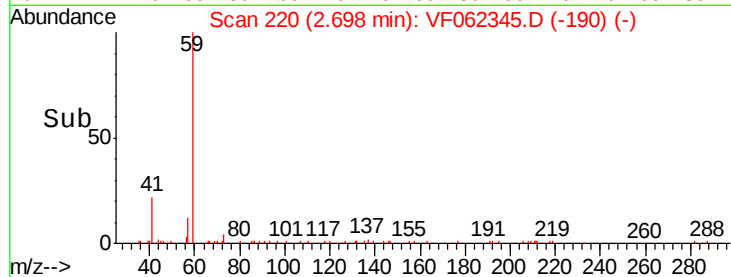
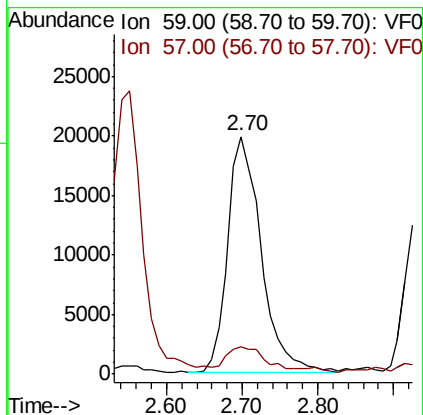
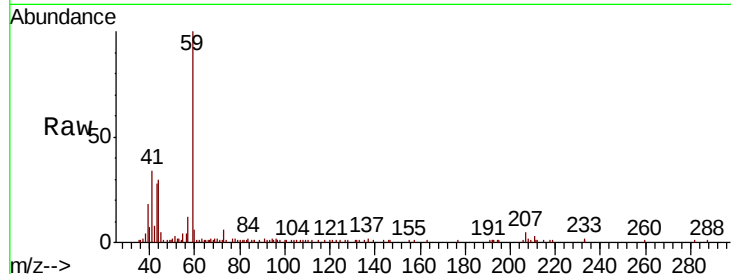


#11

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

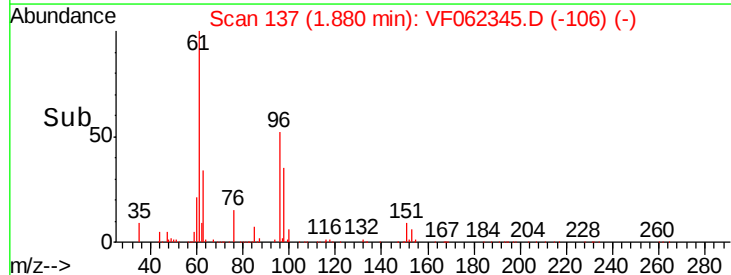
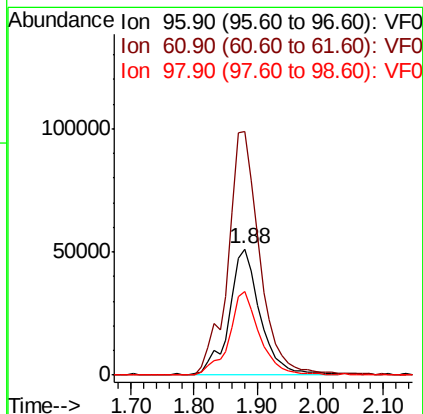
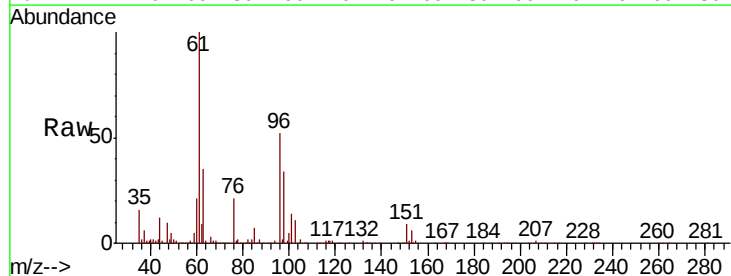
Tot Ion: 59 Resp: 60727
 Ion Ratio Lower Upper
 59 100
 57 10.3 9.3 13.9

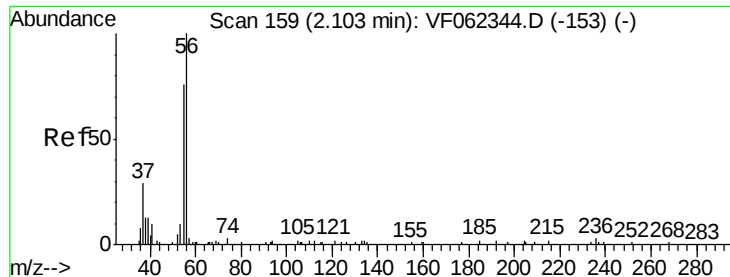


#12

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

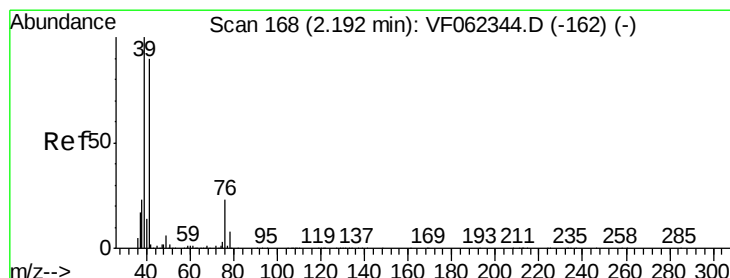
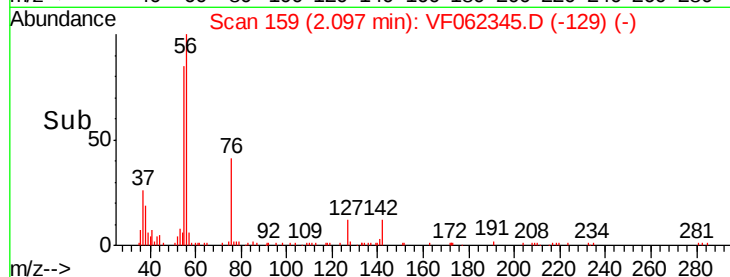
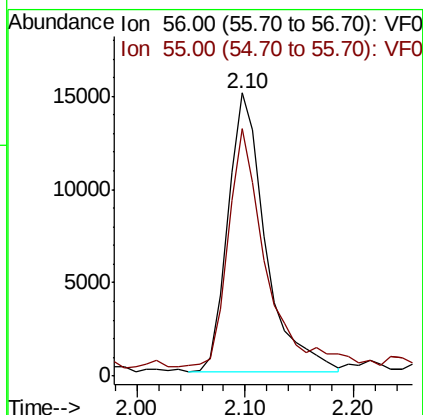
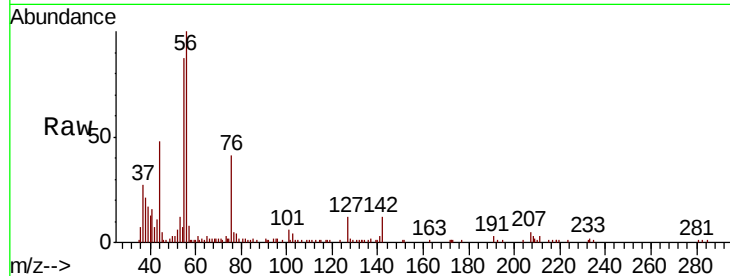




#13
Acrolein
Concen: 242.016 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

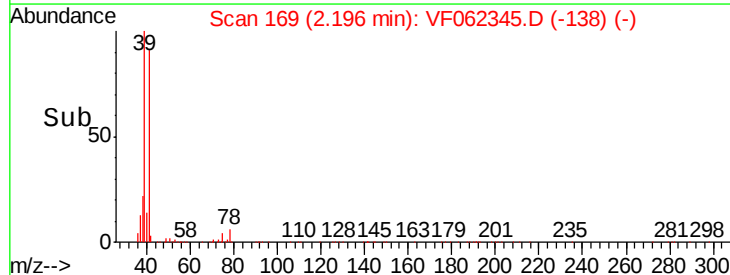
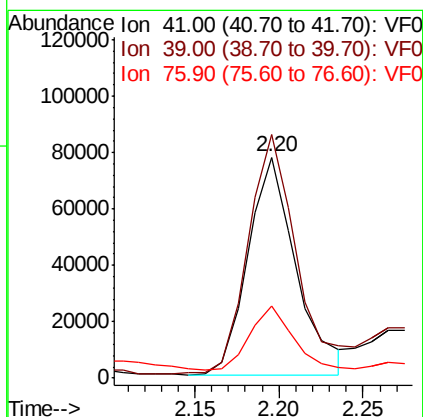
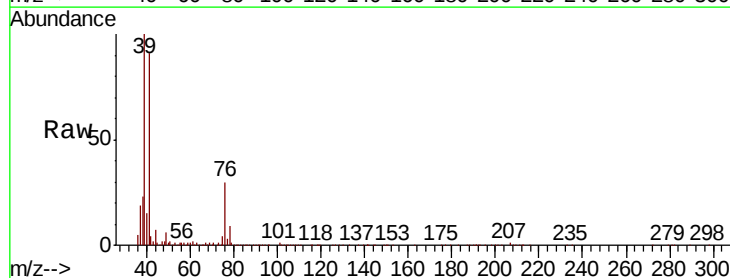
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

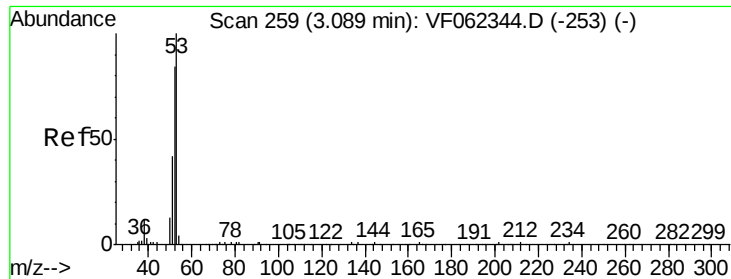
Tot Ion: 56 Resp: 36415
Ion Ratio Lower Upper
56 100
55 84.8 58.4 87.6



#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 :

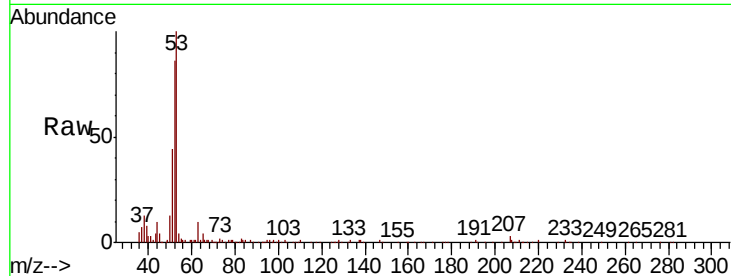
MSVOA_F

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

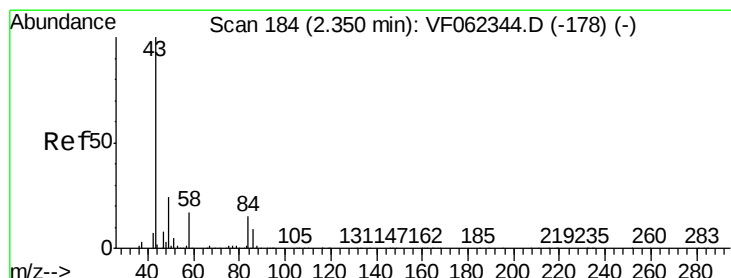
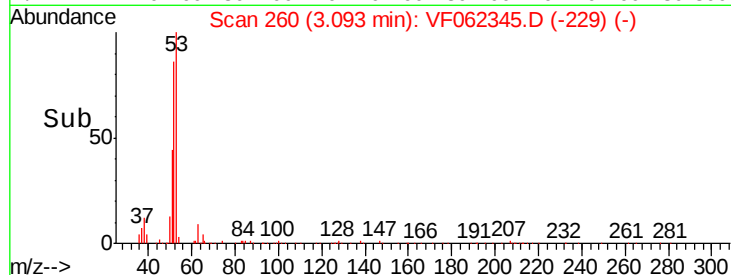
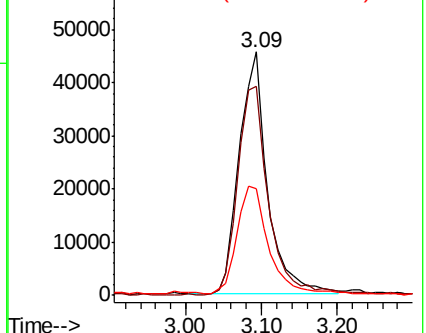


Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 305.957 ug/l

RT: 2.34 min Scan# 184

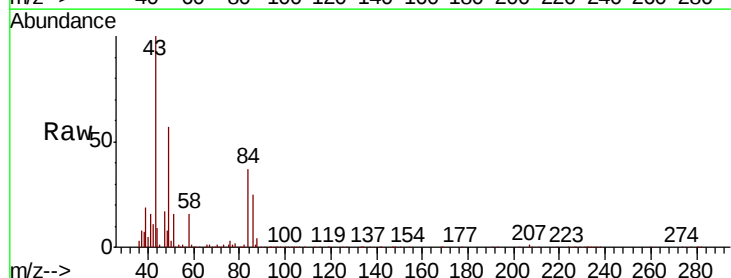
Delta R.T. -0.01 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

Tgt Ion: 43 Resp: 229593

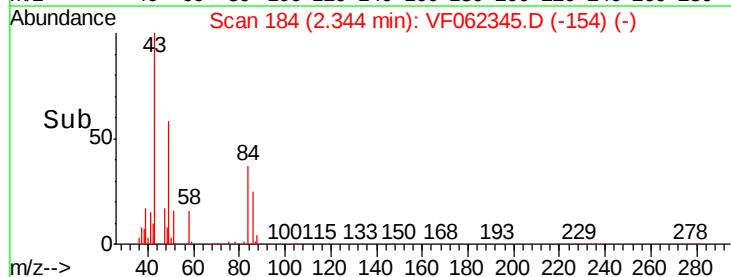
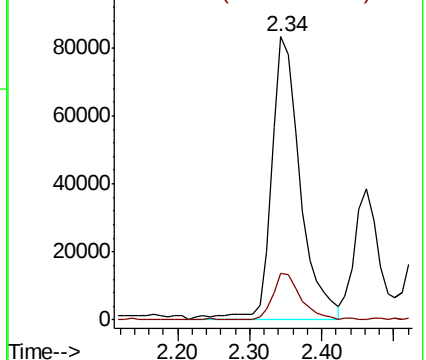
Ion	Ratio	Lower	Upper
43	100		
58	16.2	13.1	19.7

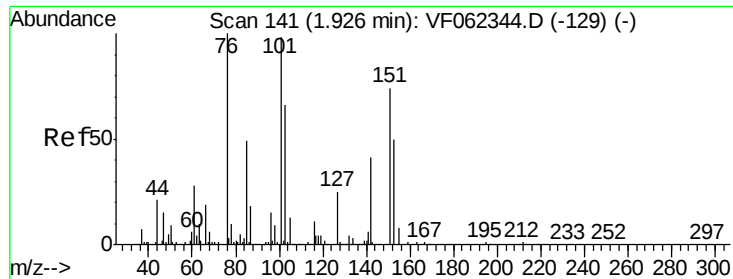


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

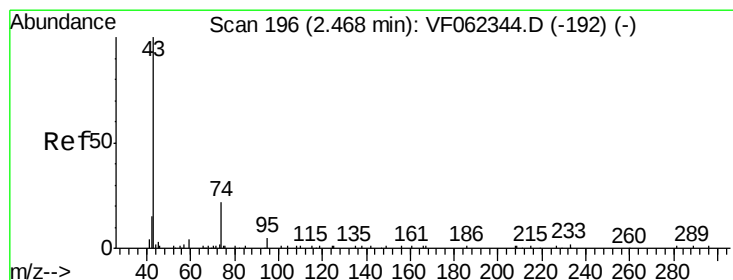
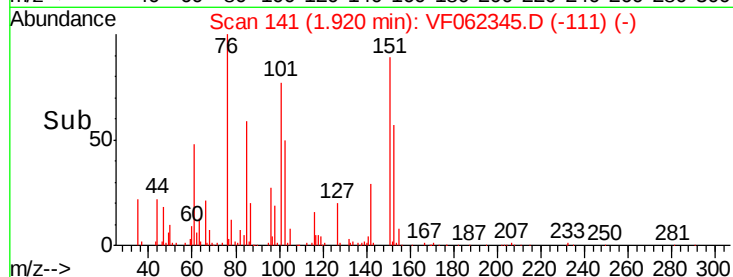
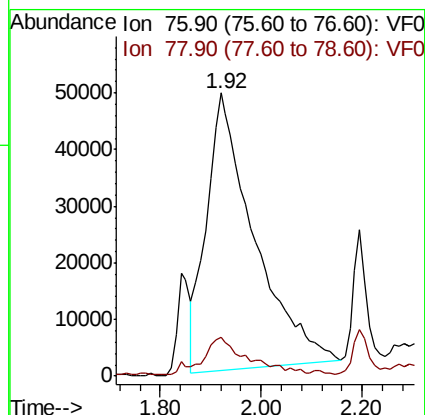
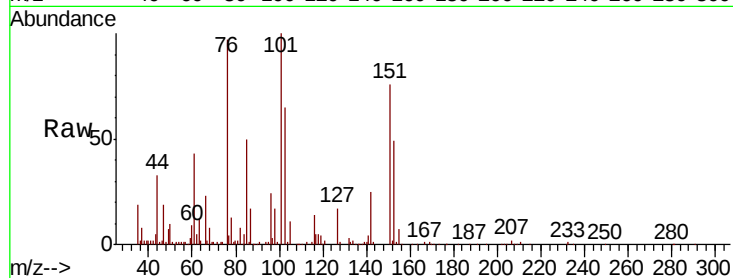




#17
Carbon Disulfide
Concen: 39.329 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

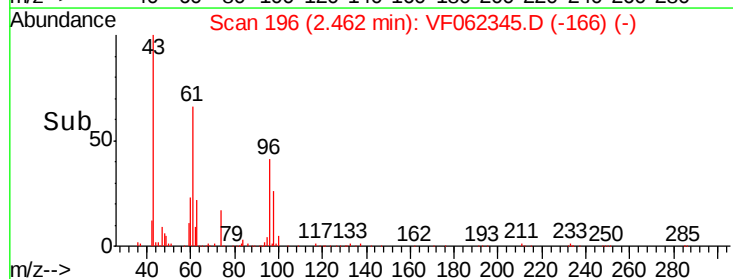
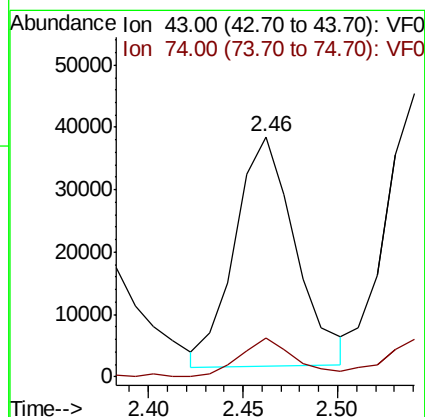
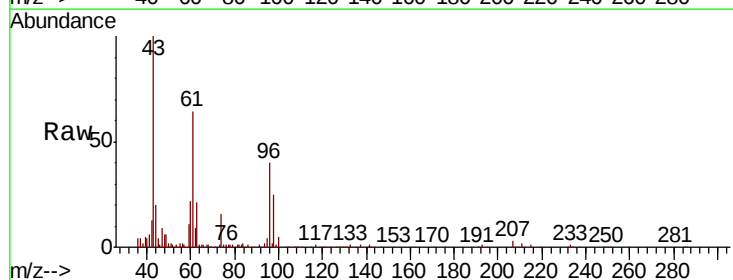
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

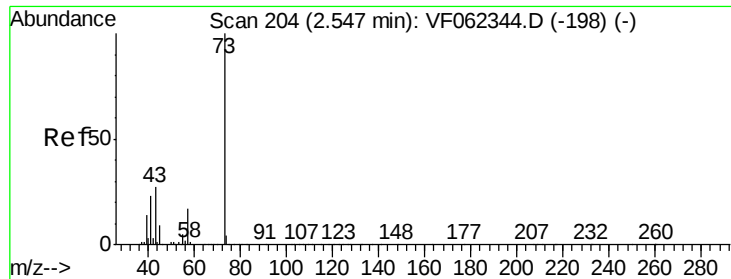
Tot Ion: 76 Resp: 320123
Ion Ratio Lower Upper
76 100
78 13.4 9.0 13.4



#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



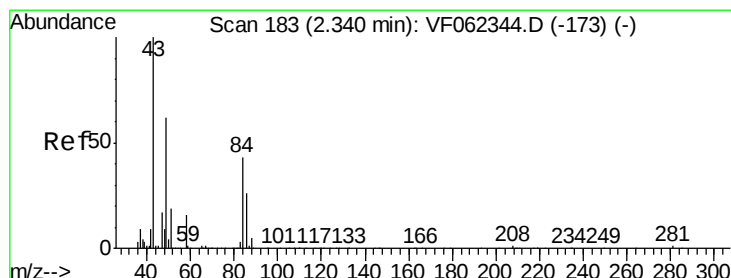
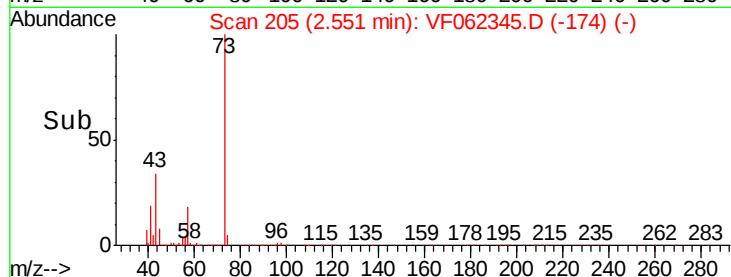
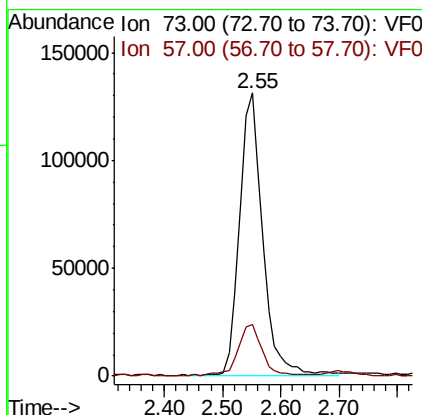
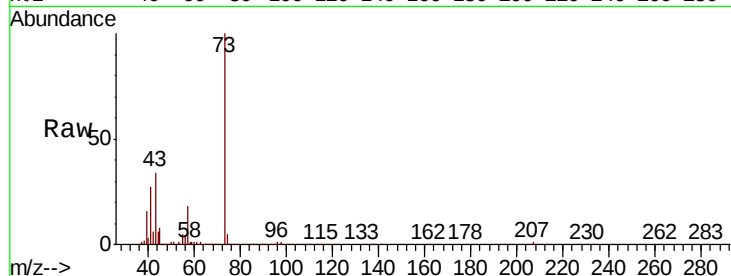


#19

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

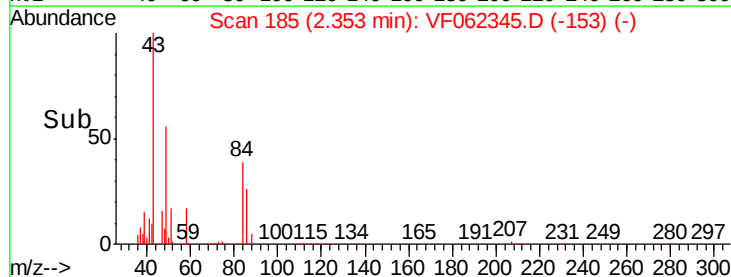
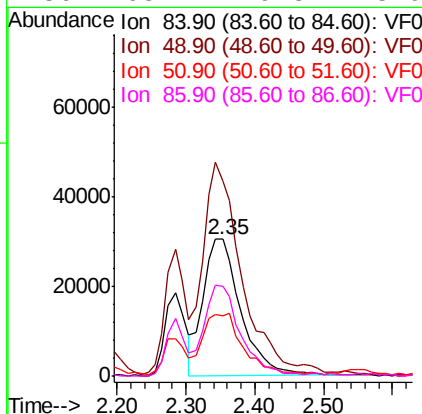
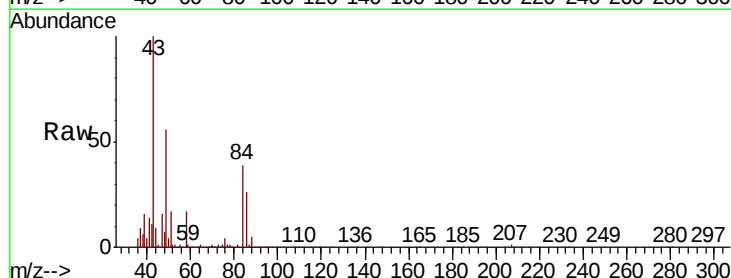
Tot Ion: 73 Resp: 367434
Ion Ratio Lower Upper
73 100
57 17.9 13.7 20.5

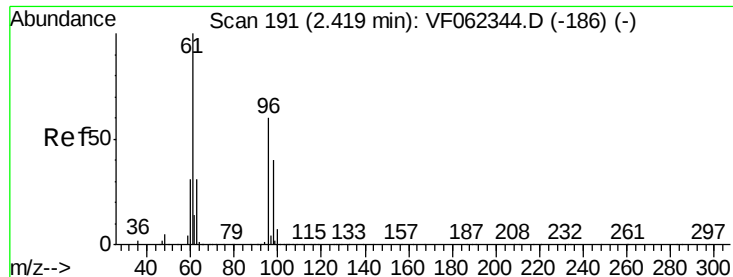


#20

Methylene Chloride
Concen: 31.897 ug/l
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: 116051
Ion Ratio Lower Upper
84 100
49 139.9 117.5 176.3
51 41.9 37.0 55.4
86 65.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 35.165 ug/l

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

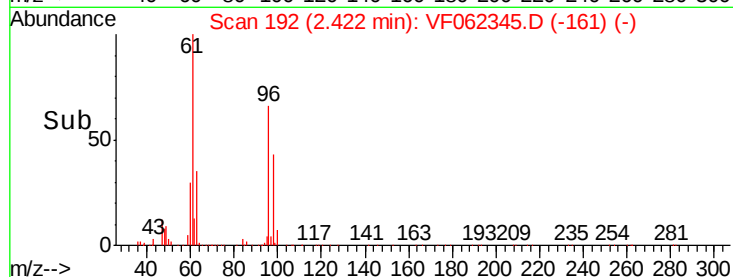
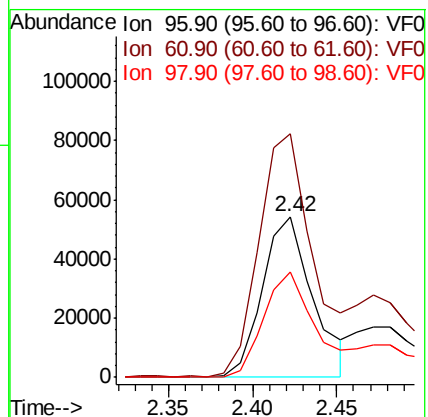
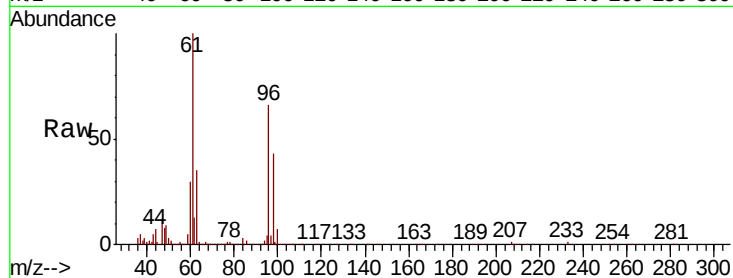
Tot Ion: 96 Resp: 111957

Ion Ratio Lower Upper

96 100

61 151.3 133.2 199.8

98 65.1 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

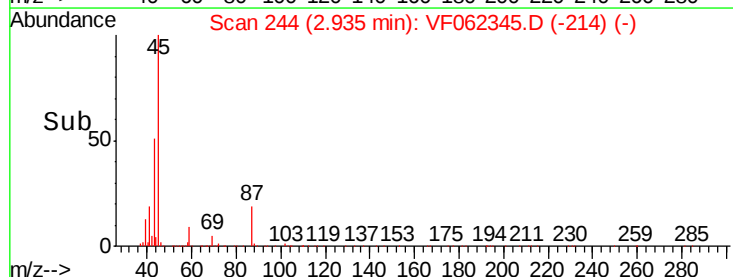
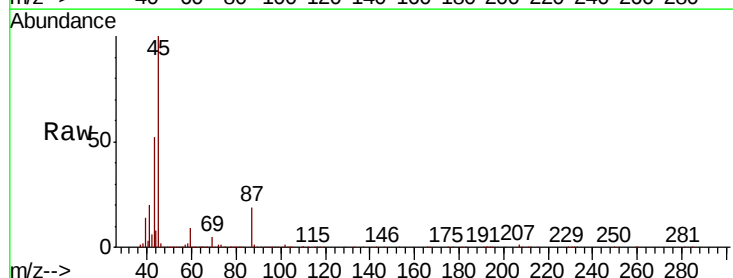
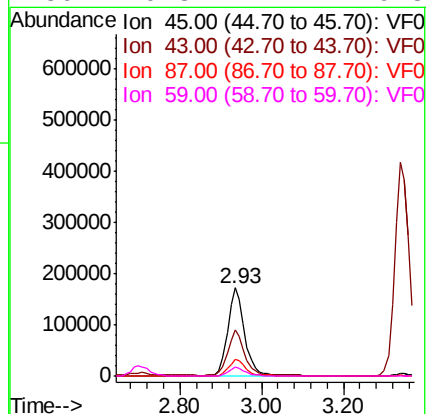
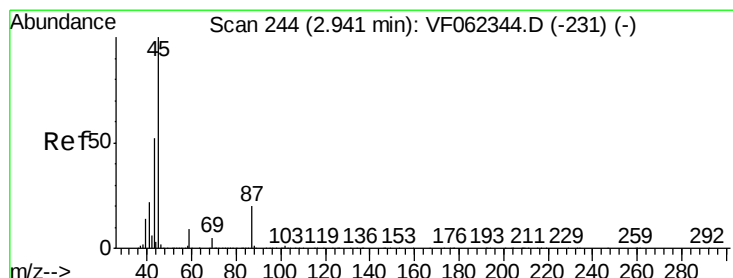
Ion Ratio Lower Upper

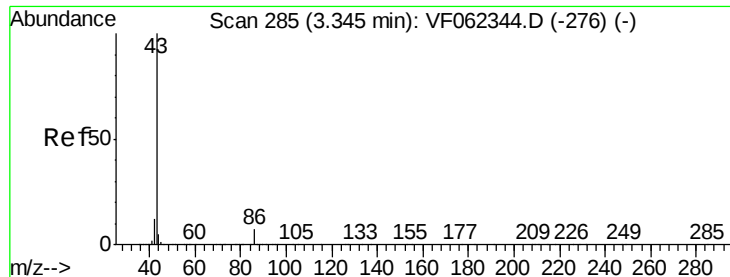
45 100

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 :

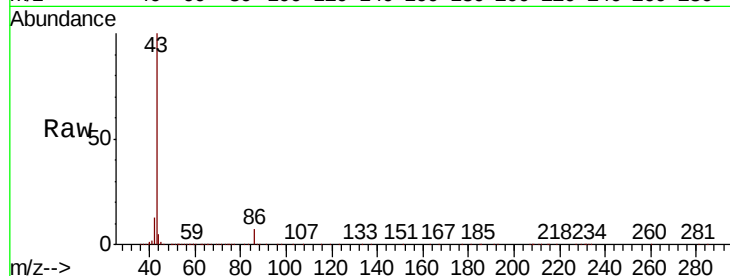
VSTDIC075

Tot Ion: 43 Resp: 1117996

Ion Ratio Lower Upper

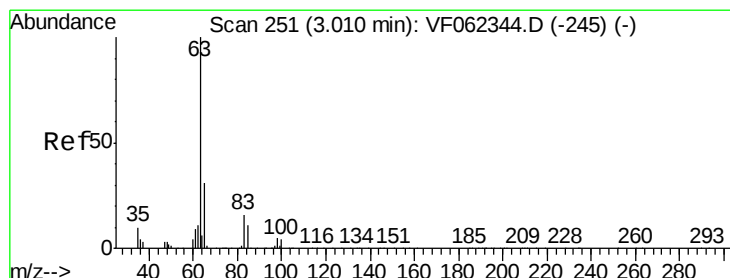
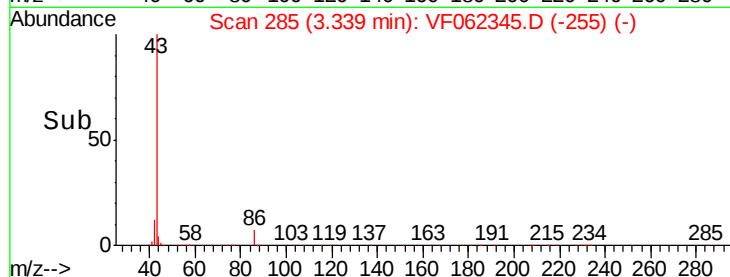
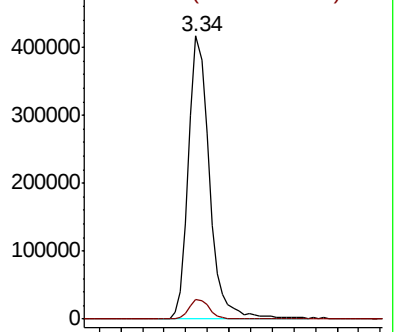
43 100

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

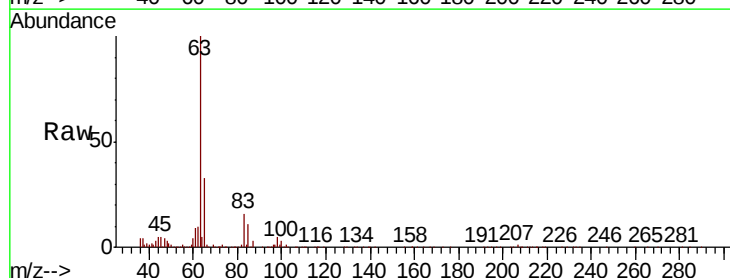
Tgt Ion: 63 Resp: 304240

Ion Ratio Lower Upper

63 100

98 4.5 2.6 8.0

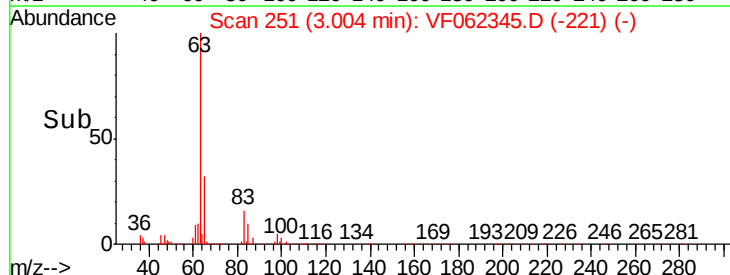
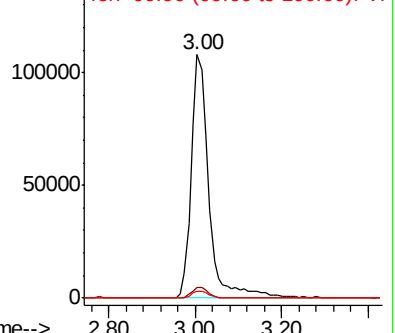
100 3.0 1.8 5.4

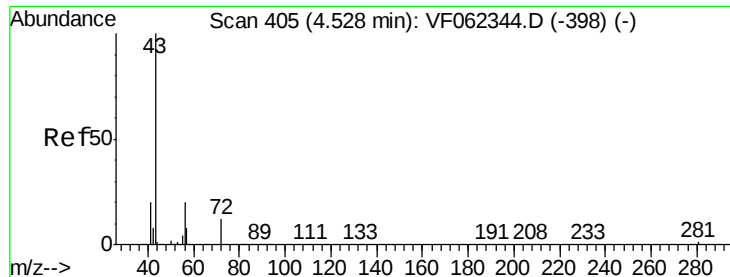


Abundance Ion 62.90 (62.60 to 63.60): VF0

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 :

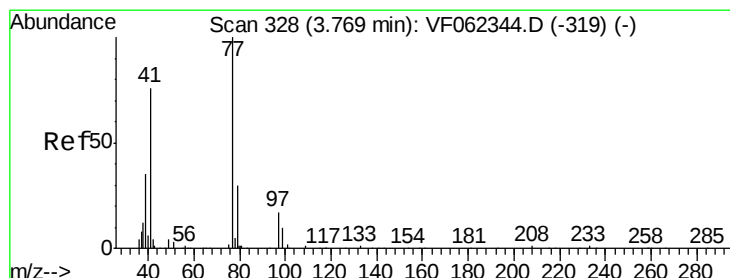
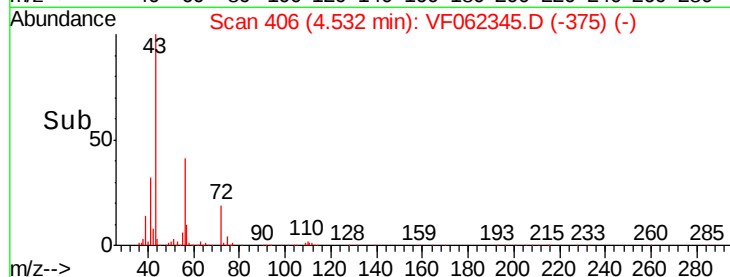
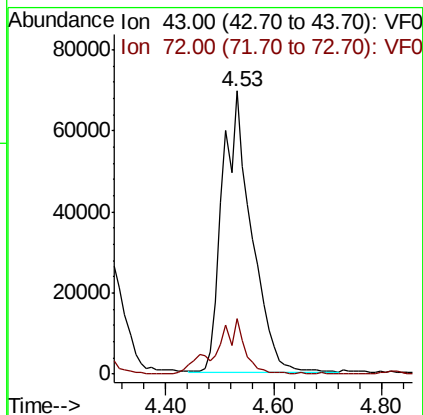
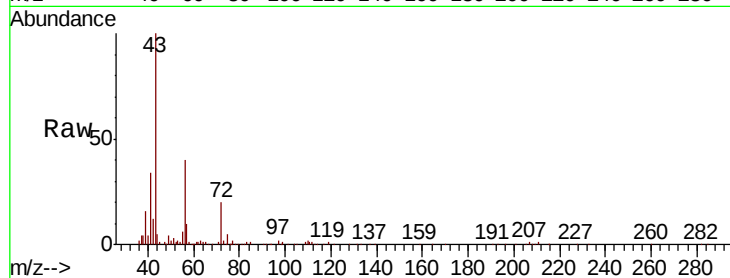
VSTDIC075

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

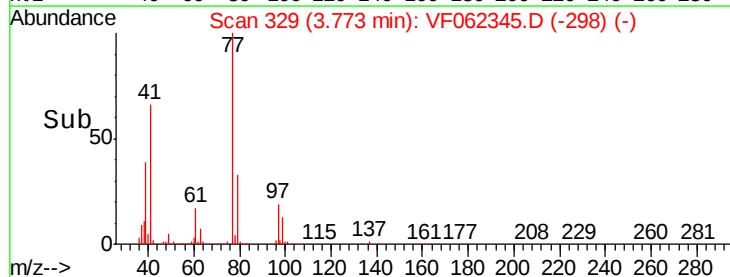
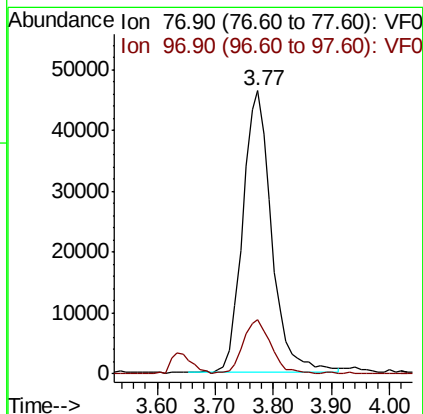
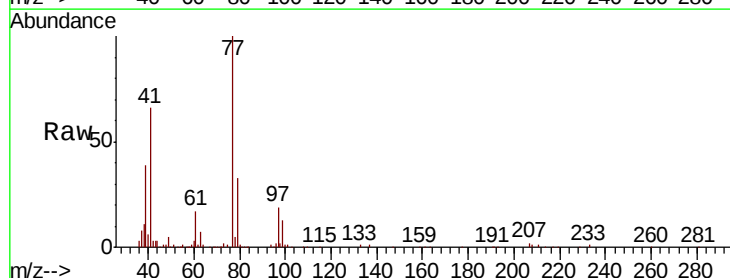
Acq: 6 May 2019 19:36

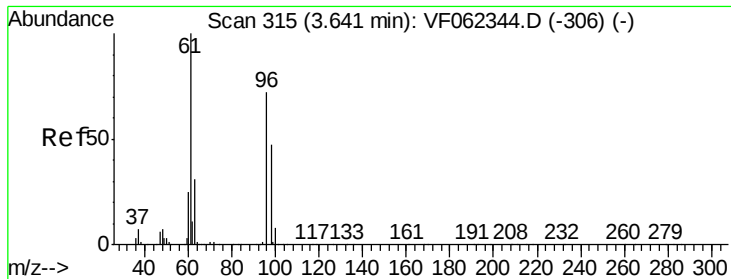
Tgt Ion: 77 Resp: 160554

Ion Ratio Lower Upper

77 100

97 19.0 9.5 28.5



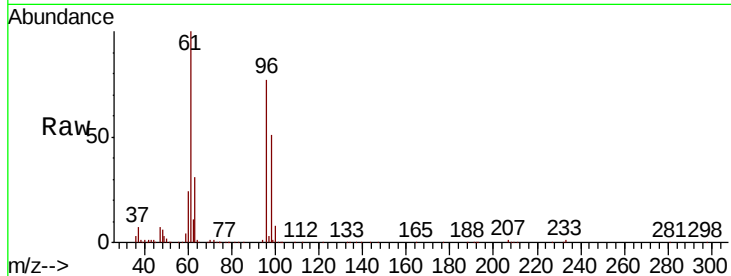


#27

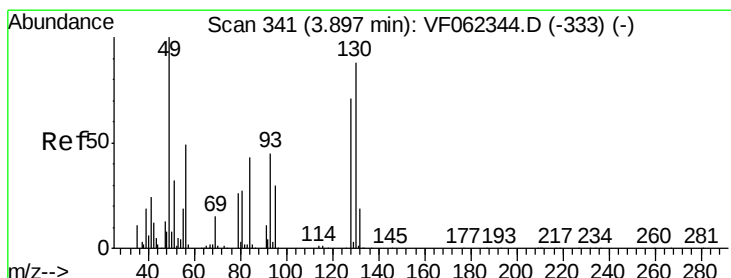
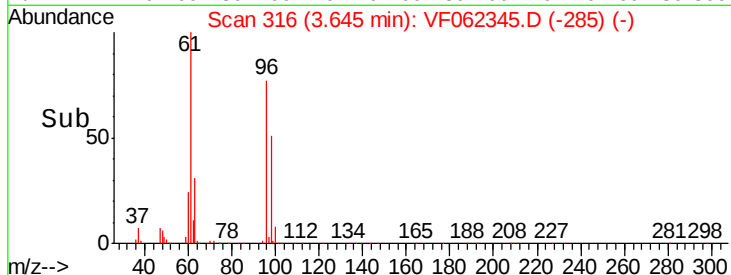
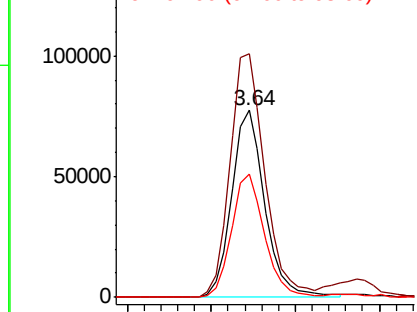
cis-1,2-Dichloroethene
 Concen: 52.167 ug/l
 RT: 3.64 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

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



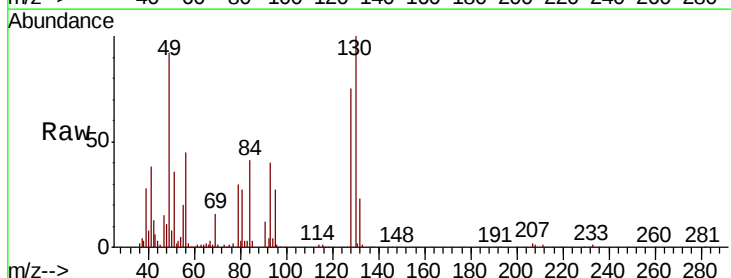
Abundance Ion 95.90 (95.60 to 96.60): VF0
 Ion 60.90 (60.60 to 61.60): VF0
 Ion 97.90 (97.60 to 98.60): VF0



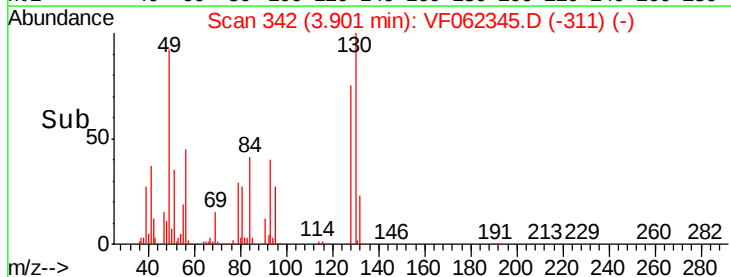
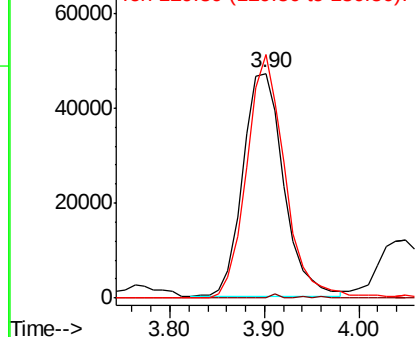
#28

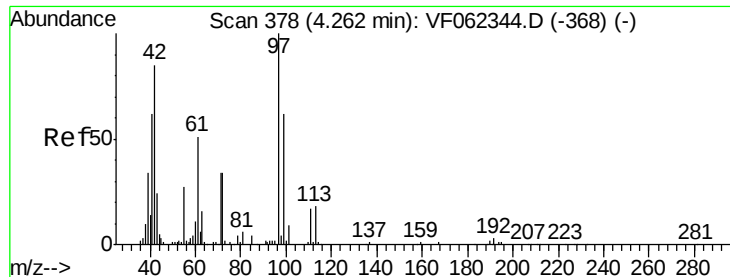
Bromochloromethane
 Concen: 57.113 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

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



Abundance Ion 48.90 (48.60 to 49.60): VF0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#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

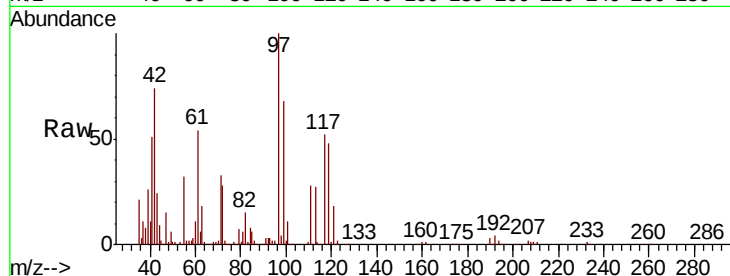
Tot Ion: 42 Resp: 119226

Ion Ratio Lower Upper

42 100

72 37.4 31.4 47.0

71 41.7 31.7 47.5

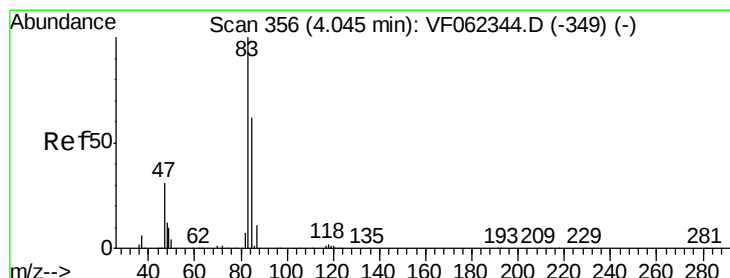
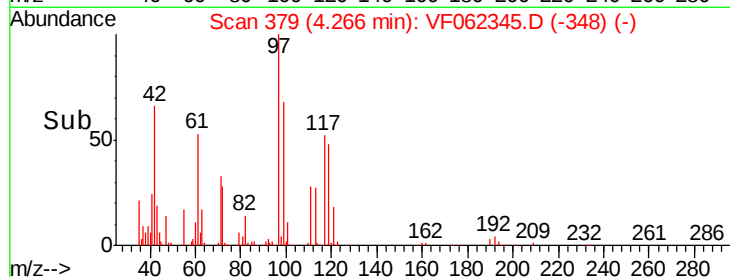
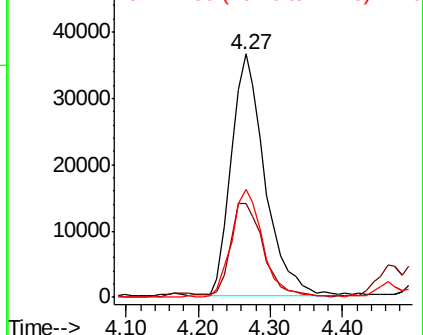


Abundance

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

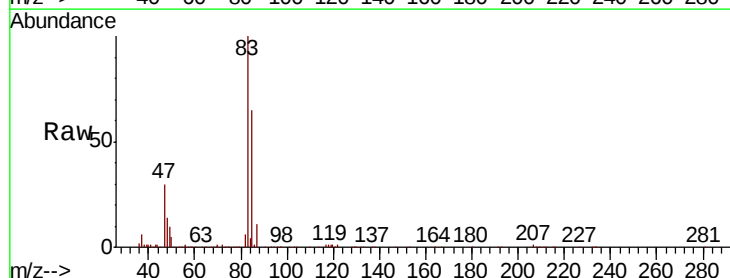
Acq: 6 May 2019 19:36

Tgt Ion: 83 Resp: 412419

Ion Ratio Lower Upper

83 100

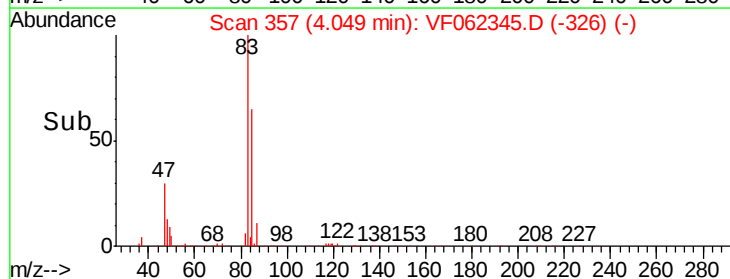
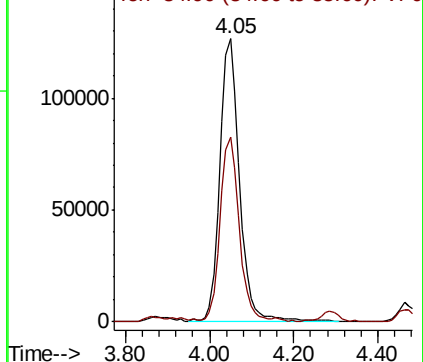
85 64.3 49.6 74.4

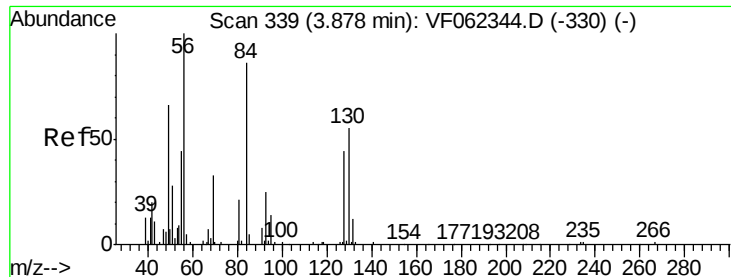


Abundance

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0





#31

Cyclohexane

Concen: 27.766 ug/l

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

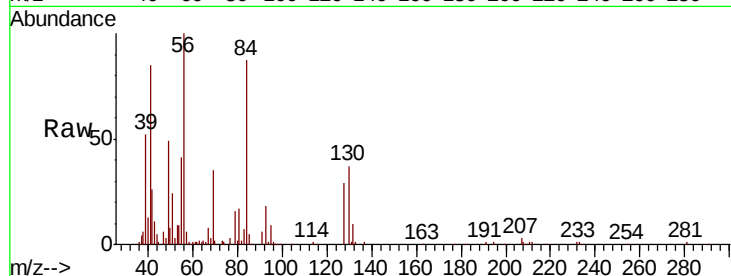
Tot Ion: 56 Resp: 138951

Ion Ratio Lower Upper

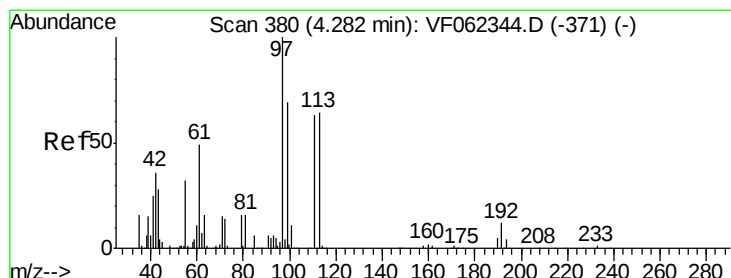
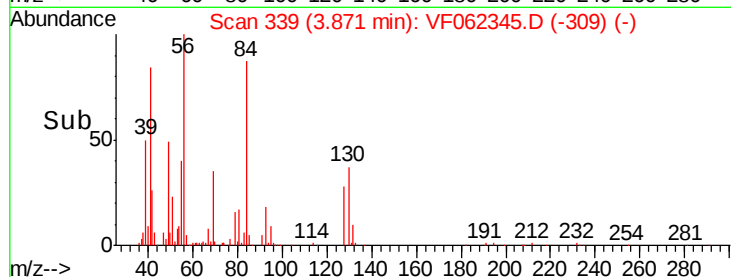
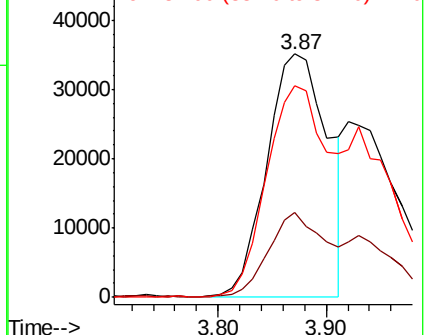
56 100

69 34.6 26.4 39.6

84 86.8 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: 48.713 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF062345.D

Acq: 6 May 2019 19:36

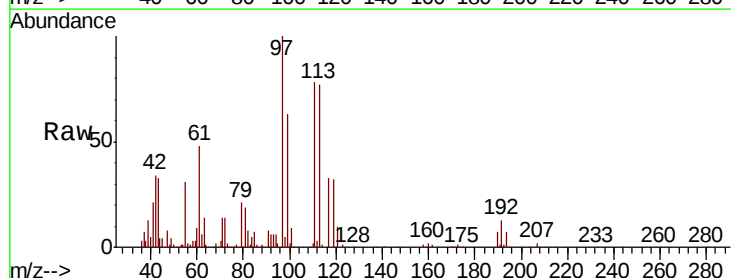
Tgt Ion: 97 Resp: 257636

Ion Ratio Lower Upper

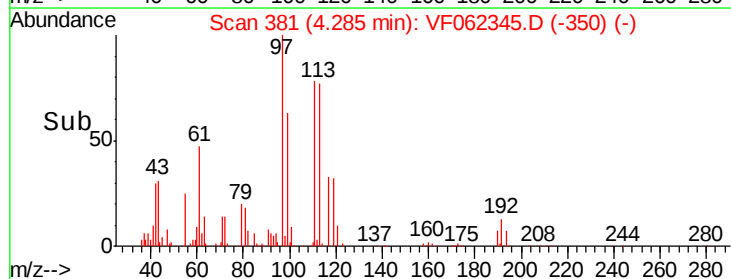
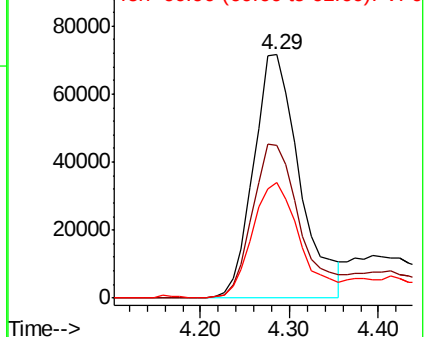
97 100

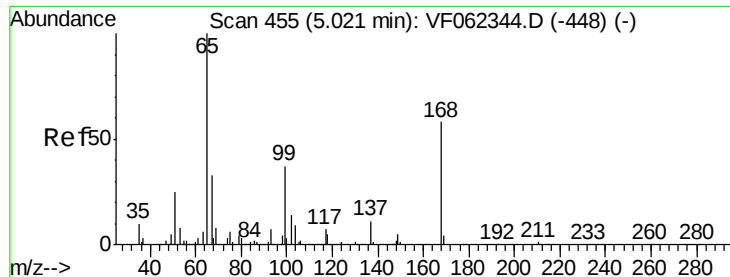
99 66.6 52.6 78.8

61 49.3 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 :

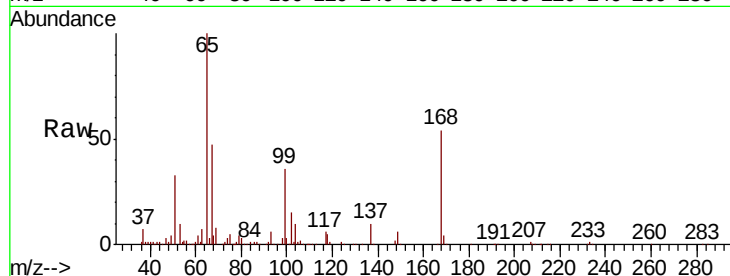
VSTDIC075

Tot Ion: 65 Resp: 231961

Ion Ratio Lower Upper

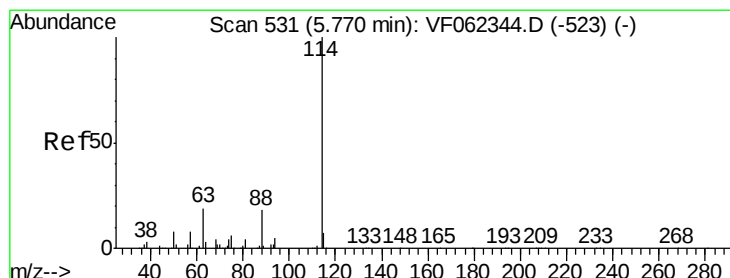
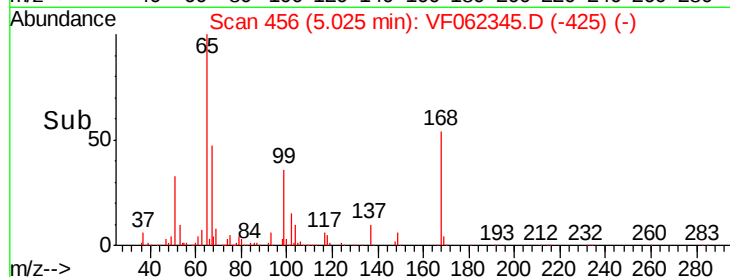
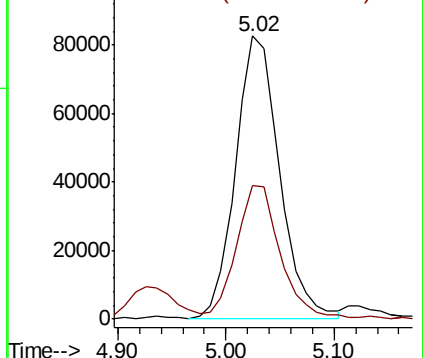
65 100

67 48.2 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#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

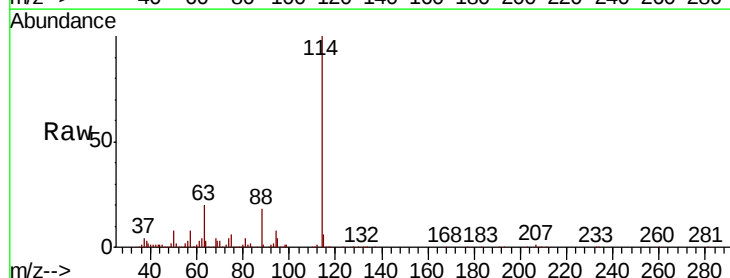
Tgt Ion: 114 Resp: 440156

Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

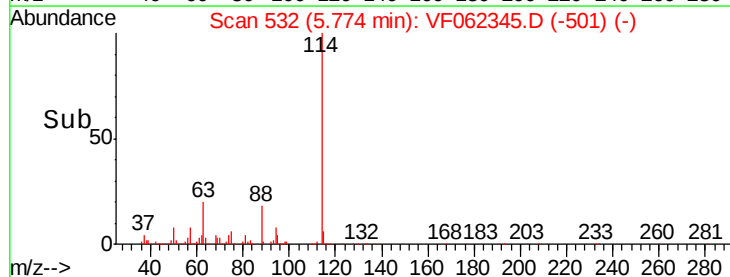
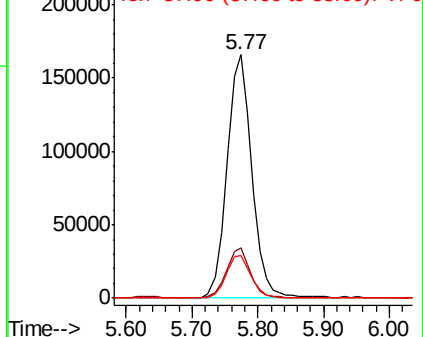
88 17.6 0.0 36.4

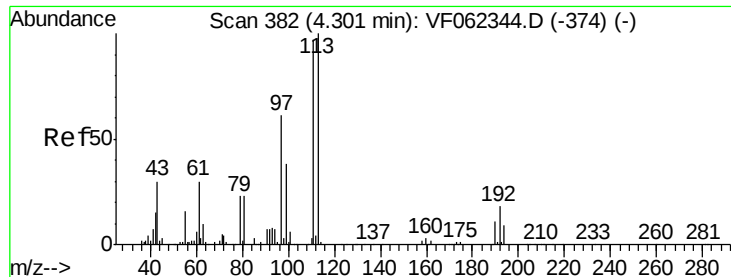


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

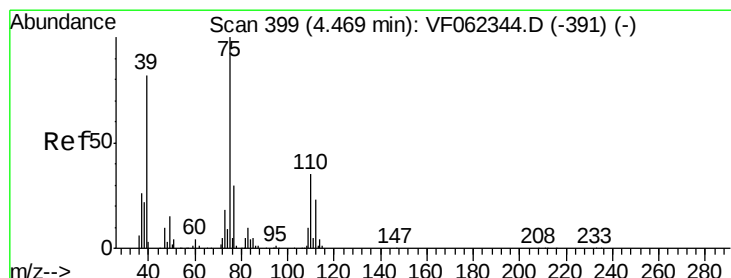
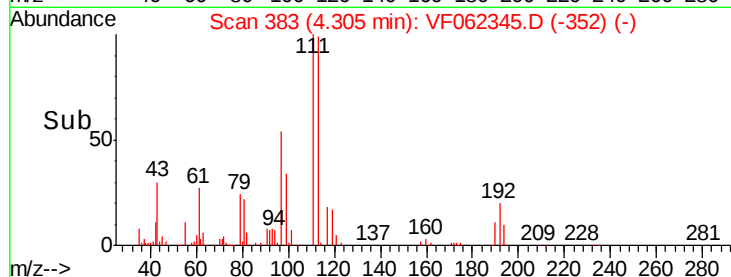
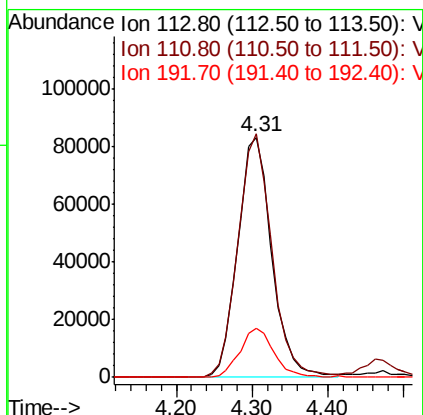
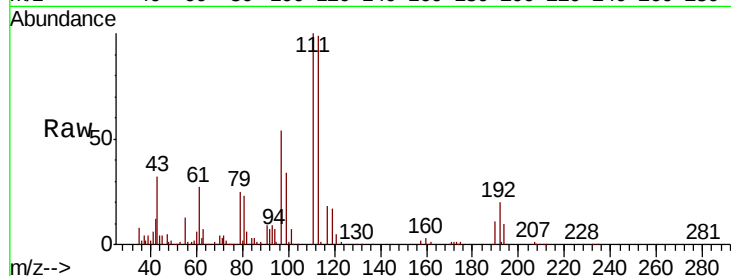




#35
 Dibromofluoromethane
 Concen: 61.519 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

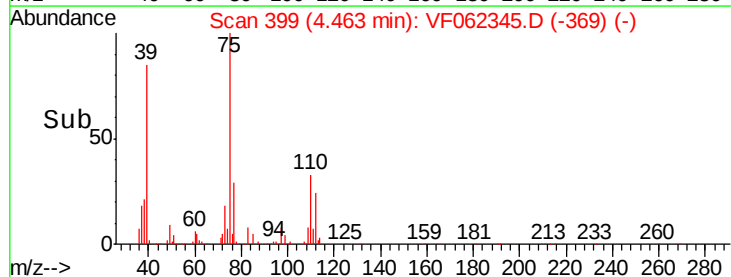
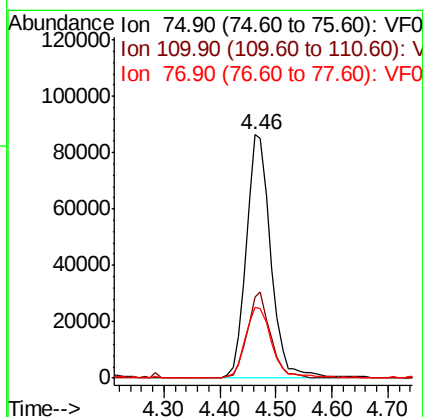
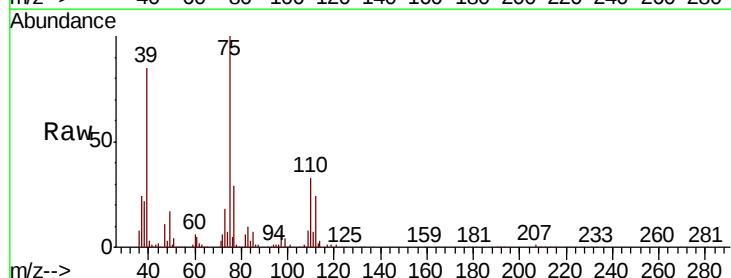
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

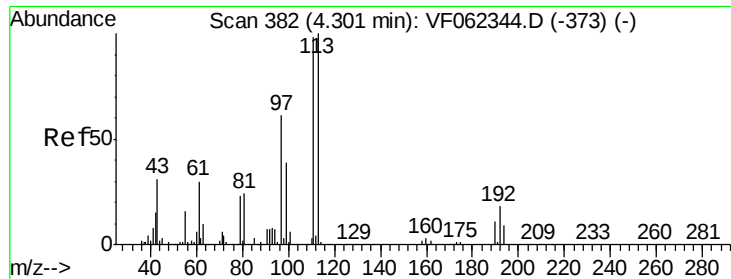
Tot Ion:113 Resp: 260448
 Ion Ratio Lower Upper
 113 100
 111 100.7 79.4 119.0
 192 20.6 16.0 24.0



#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

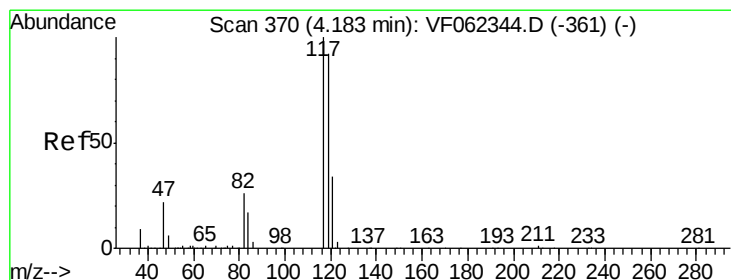
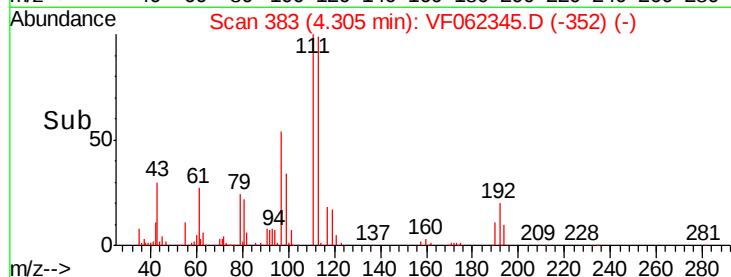
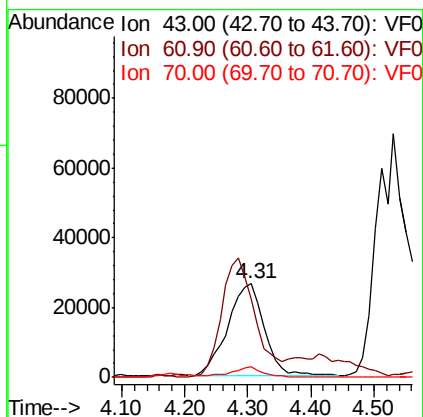
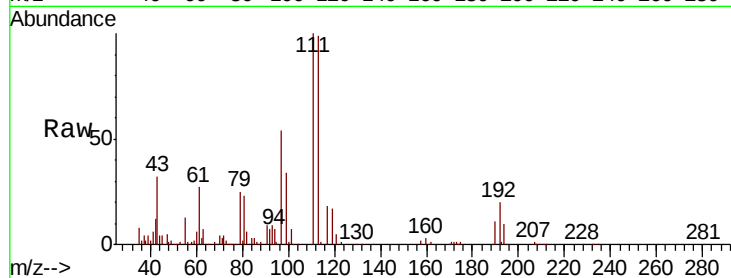




#37
Ethyl Acetate
Concen: 51.358 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

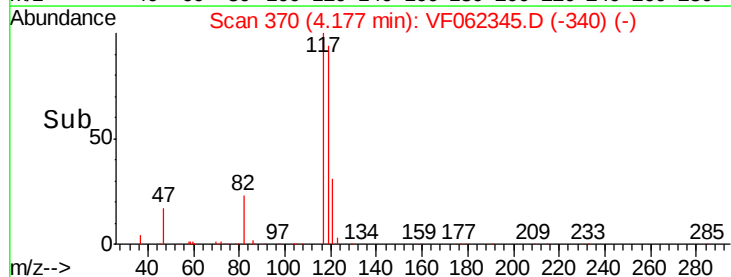
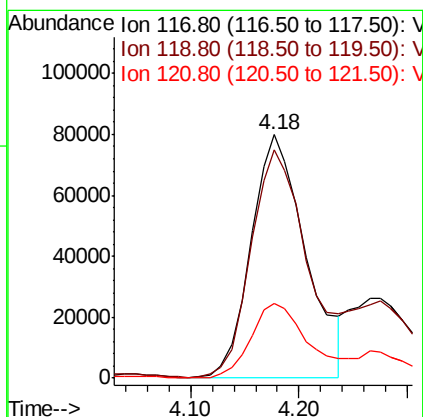
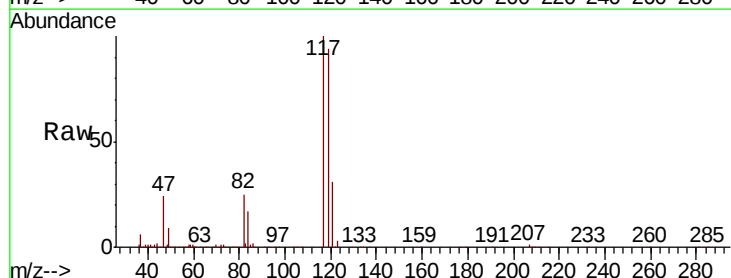
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

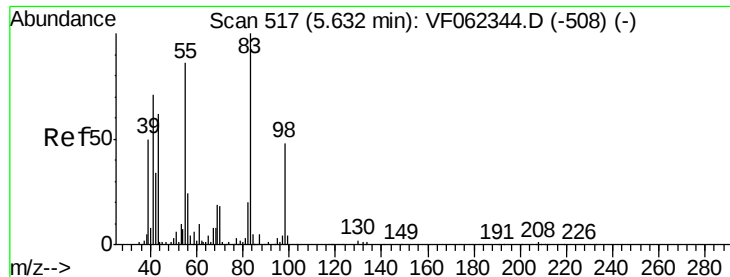
Tot Ion: 43 Resp: 105167
Ion Ratio Lower Upper
43 100
61 120.7 0.0 0.0#
70 9.2 8.2 12.2



#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





#39

Methvlcvclohexane

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

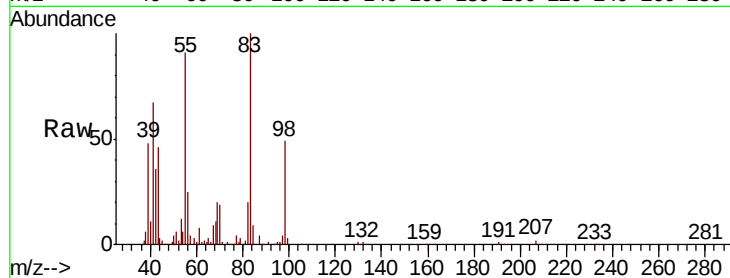
Tot Ion: 83 Resp: 264157

Ion Ratio Lower Upper

83 100

55 90.2 69.0 103.6

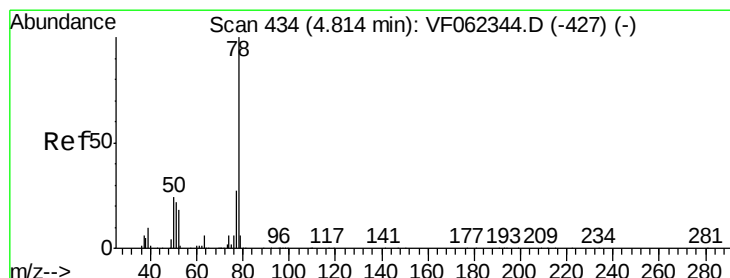
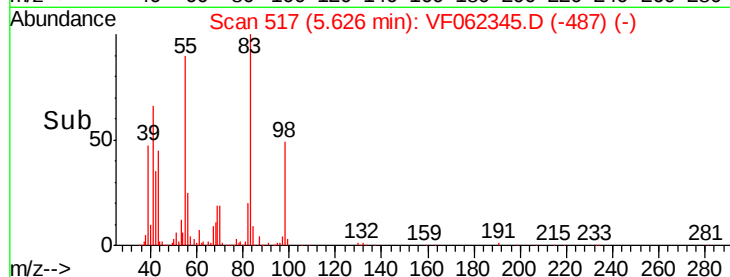
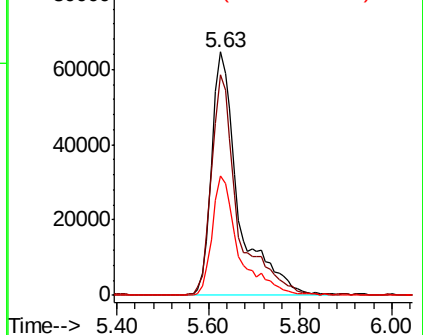
98 48.9 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 50.268 ug/l

RT: 4.82 min Scan# 435

Delta R.T. 0.00 min

Lab File: VF062345.D

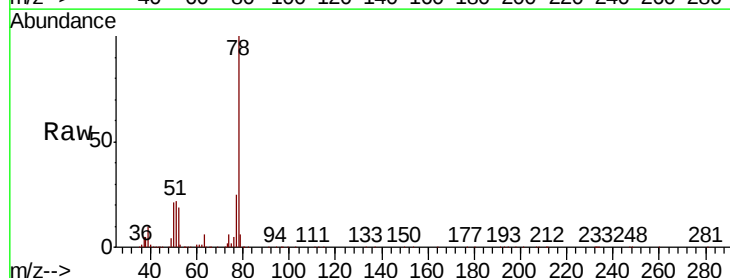
Acq: 6 May 2019 19:36

Tgt Ion: 78 Resp: 572022

Ion Ratio Lower Upper

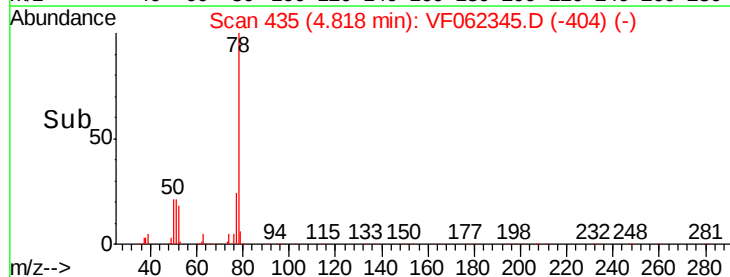
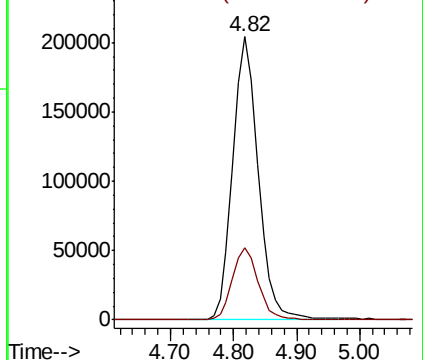
78 100

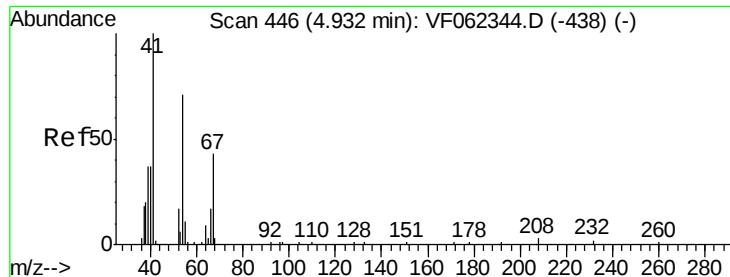
77 25.2 21.6 32.4



Abundance Ion 78.00 (77.70 to 78.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#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

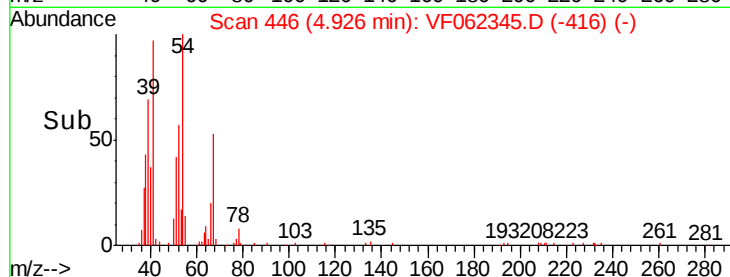
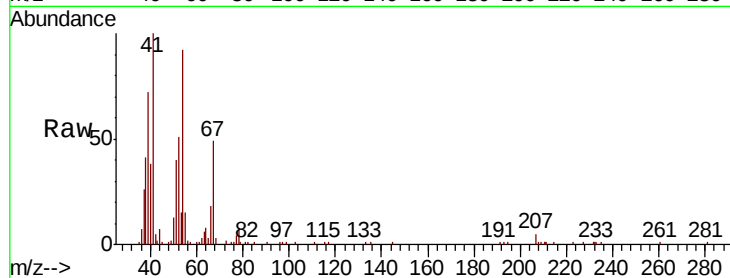
Ion Ratio Lower Upper

41 100

39 82.1 54.3 81.5#

67 49.0 37.8 56.8

52 73.8 58.2 87.4

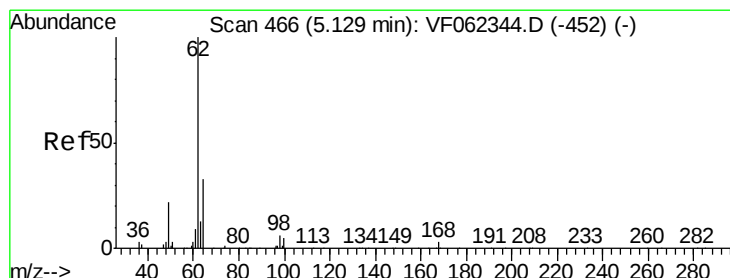
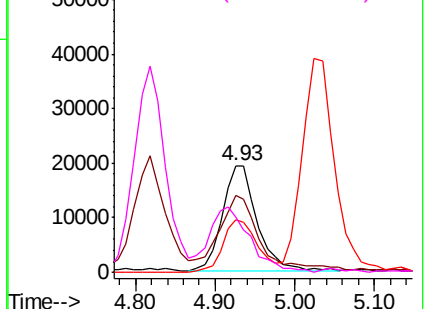


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 61.192 ug/l

RT: 5.12 min Scan# 466

Delta R.T. -0.01 min

Lab File: VF062345.D

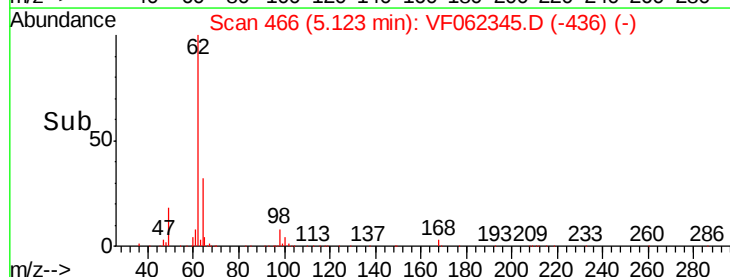
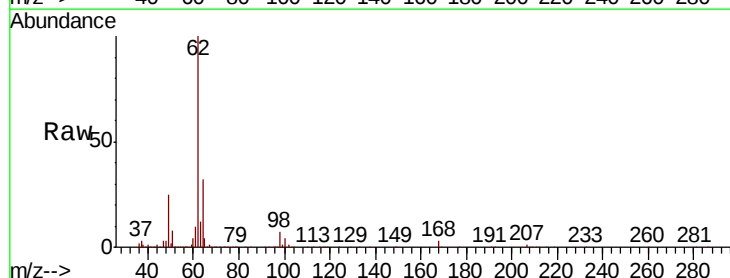
Acq: 6 May 2019 19:36

Tgt Ion: 62 Resp: 245860

Ion Ratio Lower Upper

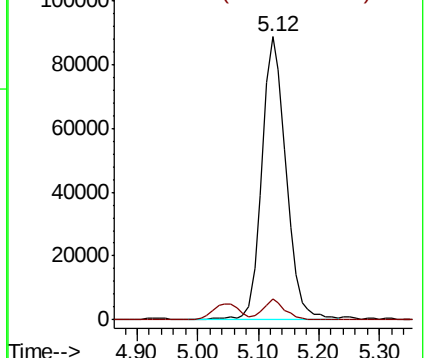
62 100

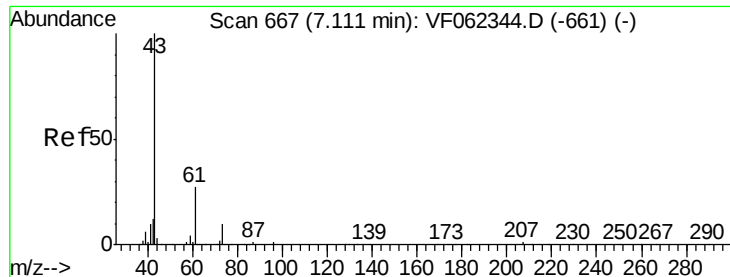
98 6.6 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#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

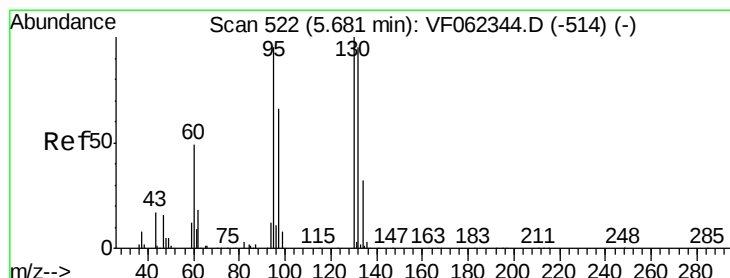
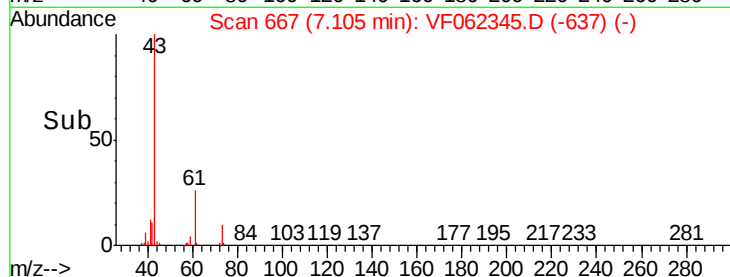
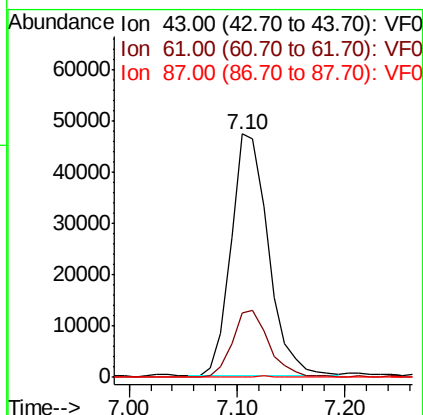
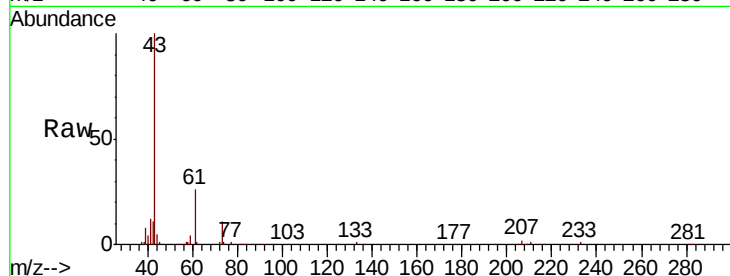
Tot Ion: 43 Resp: 113153

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

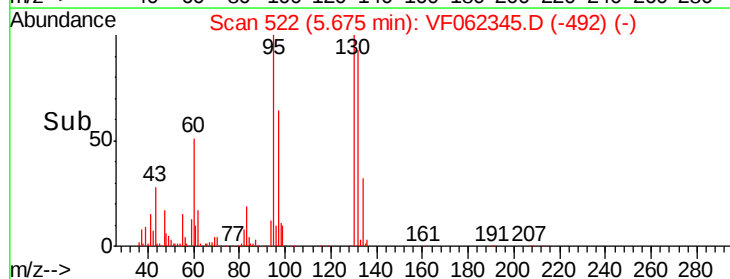
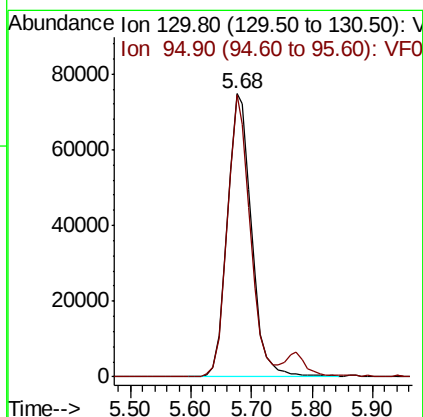
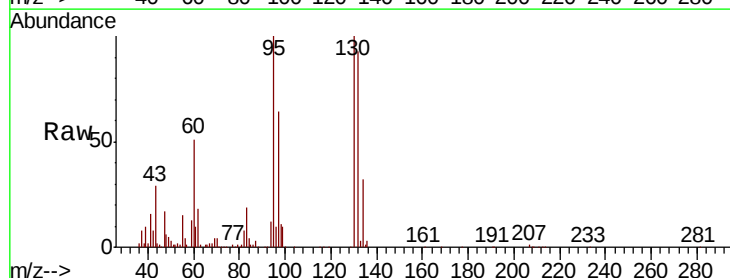
Acq: 6 May 2019 19:36

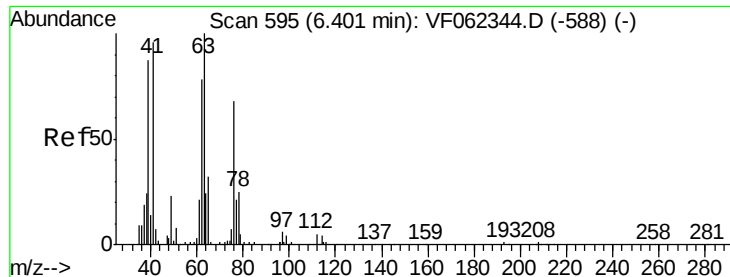
Tgt Ion:130 Resp: 207111

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 :

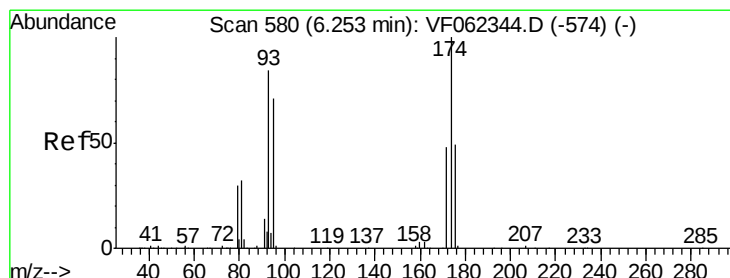
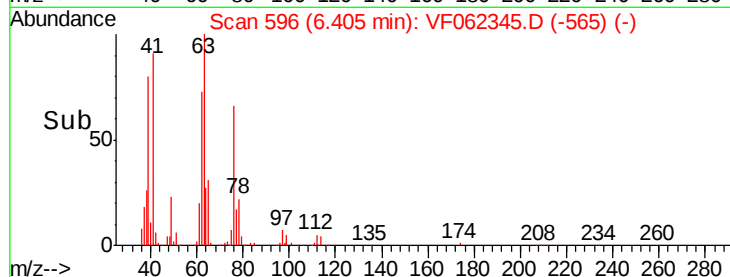
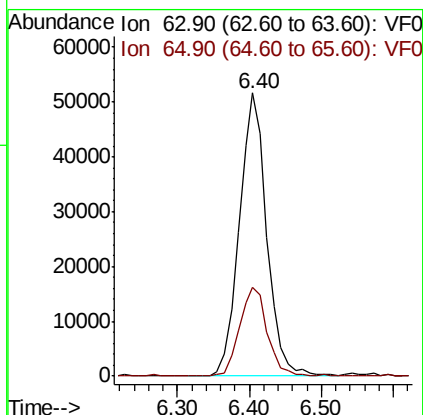
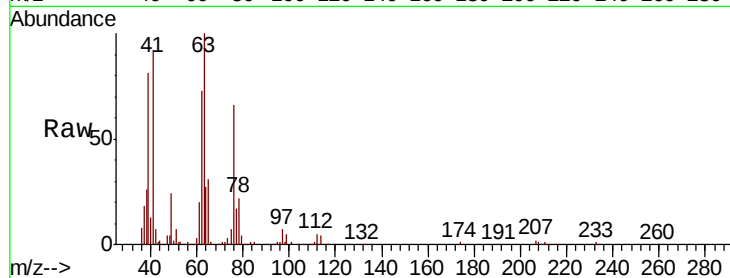
VSTDIC075

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

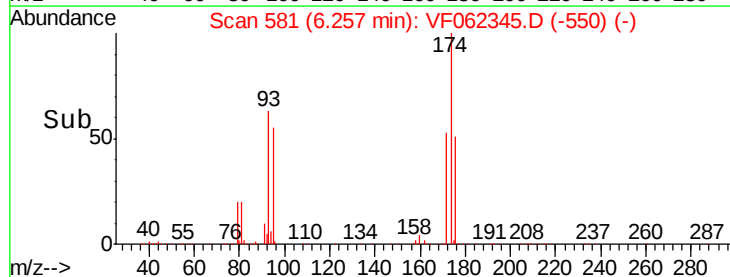
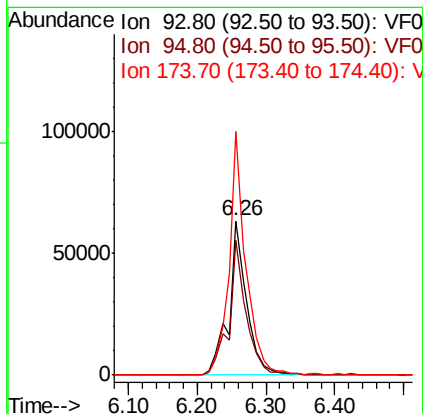
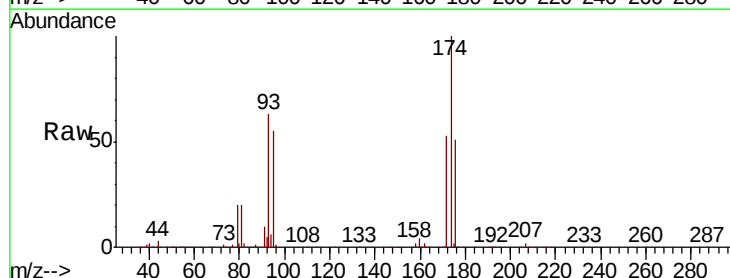
Tgt Ion: 93 Resp: 113498

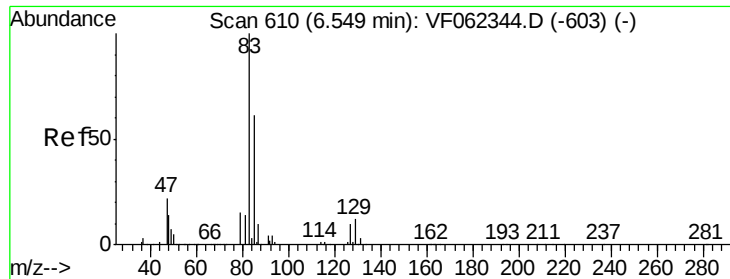
Ion Ratio Lower Upper

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

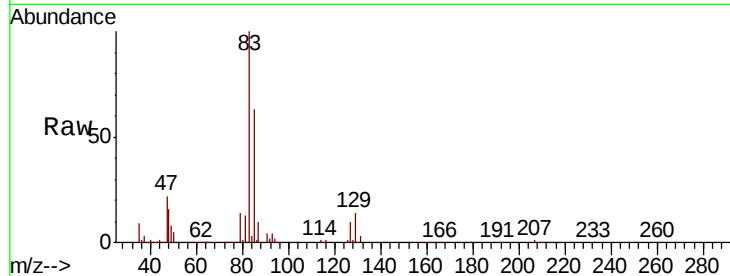
Tot Ion: 83 Resp: 292565

Ion Ratio Lower Upper

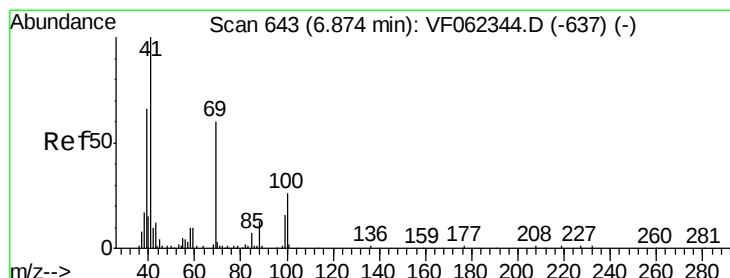
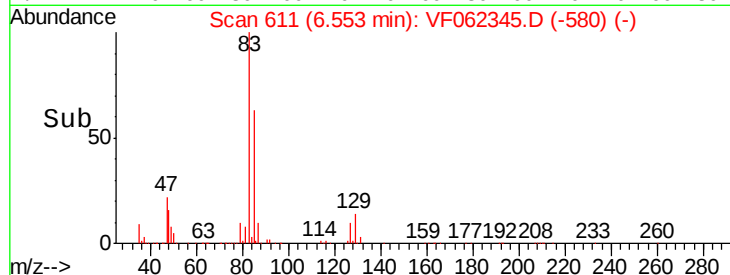
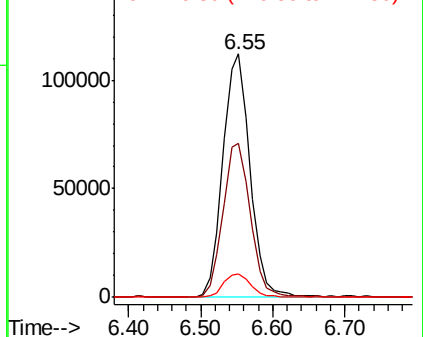
83 100

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

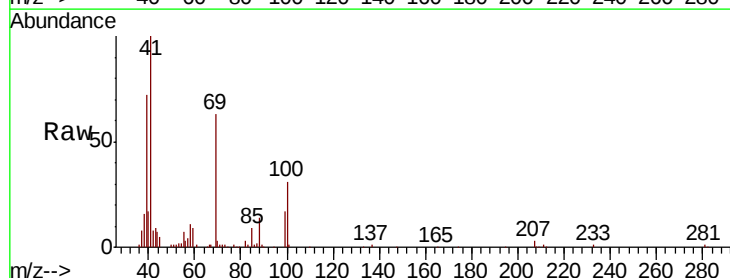
Tgt Ion: 41 Resp: 82785

Ion Ratio Lower Upper

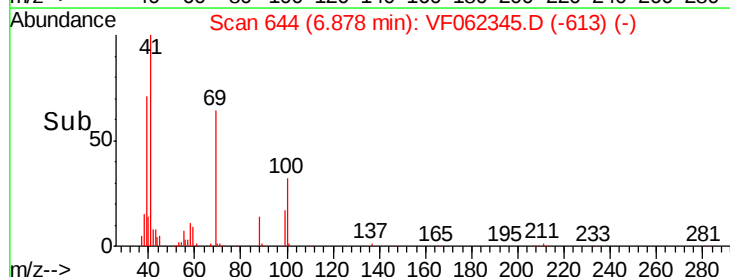
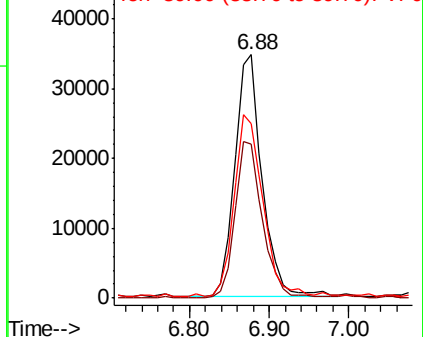
41 100

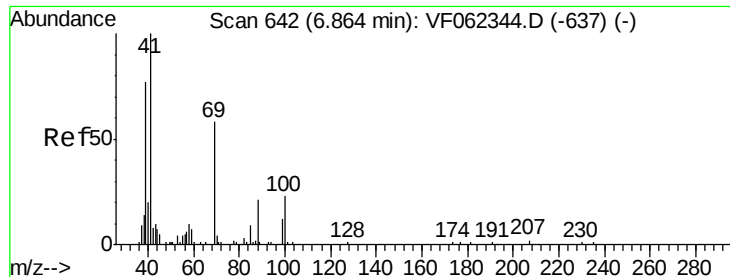
69 65.6 48.6 72.8

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

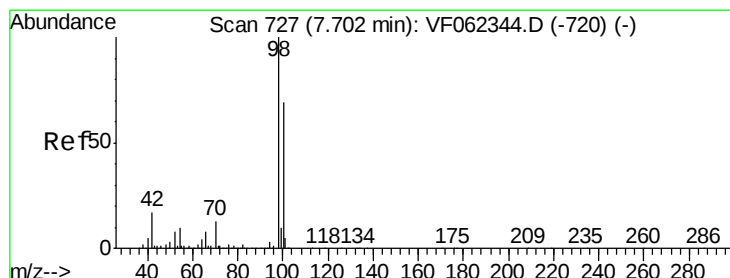
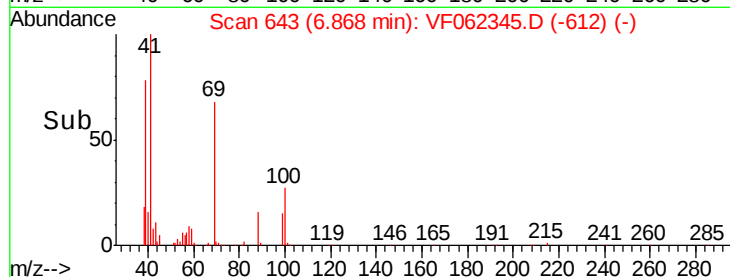
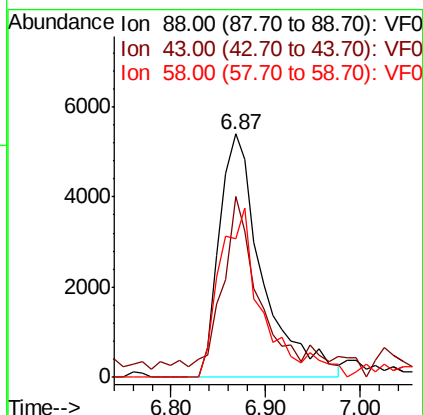
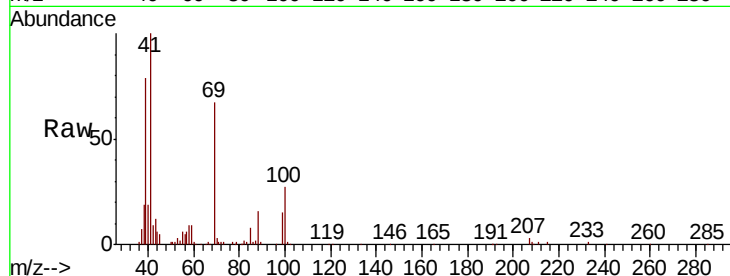




#49
1,4-Dioxane
Concen: 992.214 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

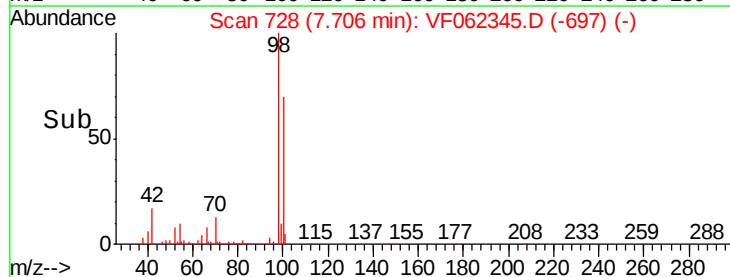
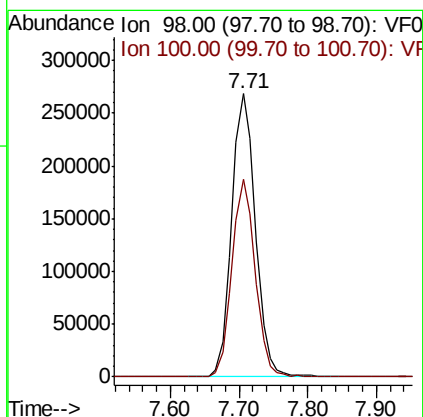
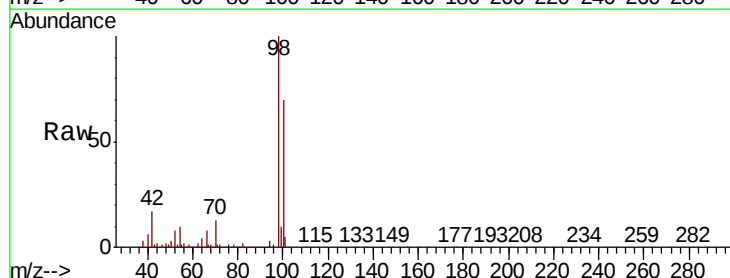
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

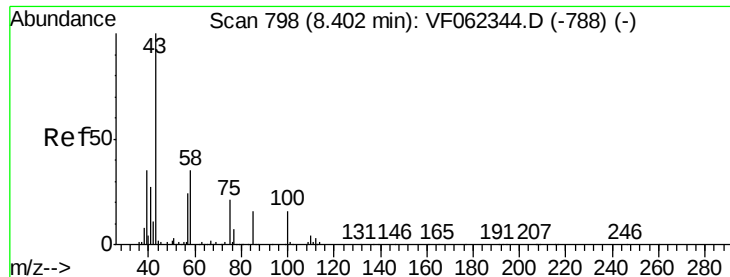
Tot Ion: 88 Resp: 17023
Ion Ratio Lower Upper
88 100
43 57.5 55.6 83.4
58 64.1 52.8 79.2



#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 :

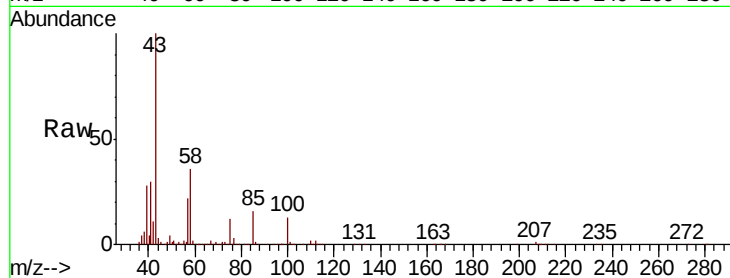
VSTDIC075

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

8.40

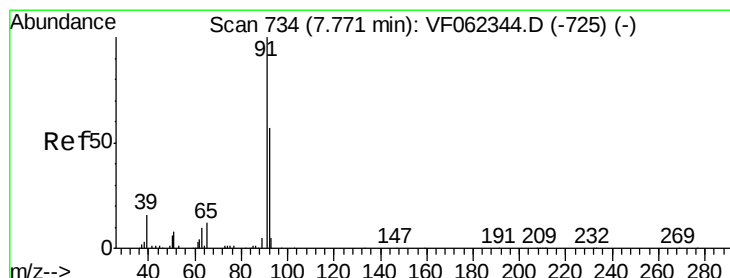
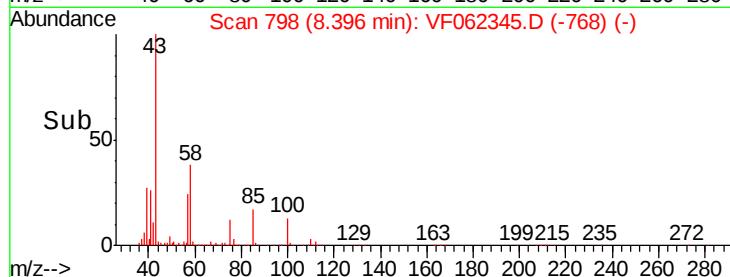
150000

100000

50000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 53.425 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF062345.D

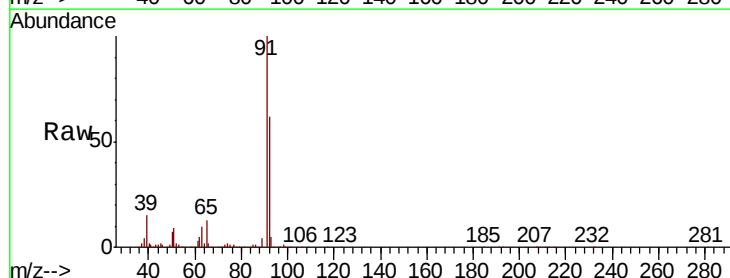
Acq: 6 May 2019 19:36

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

7.77

300000

250000

200000

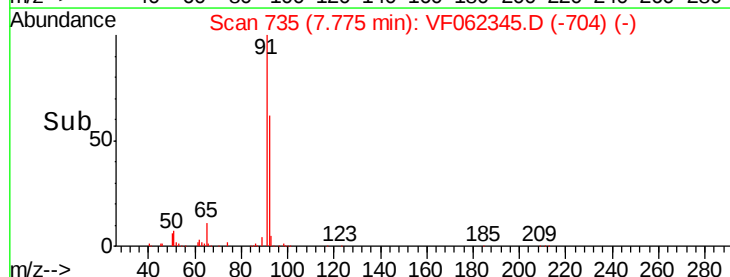
150000

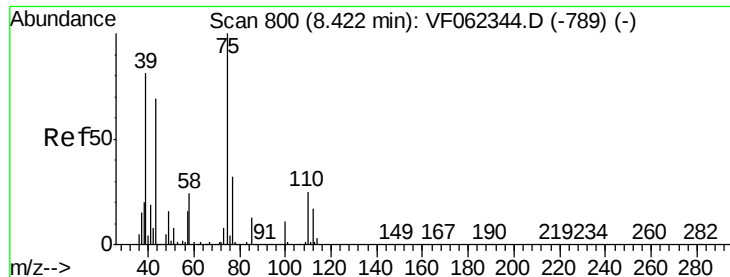
100000

50000

0

Time--> 7.60 7.70 7.80 7.90 8.00





#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 :

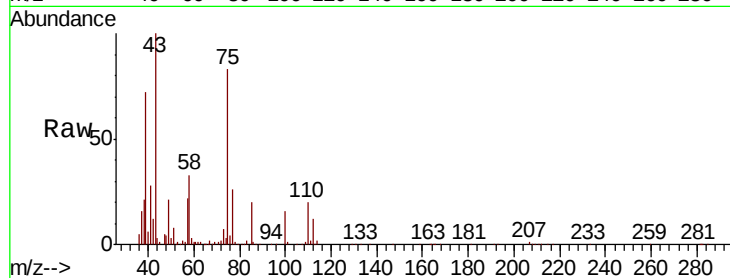
VSTDIC075

Tot Ion: 75 Resp: 201466

Ion Ratio Lower Upper

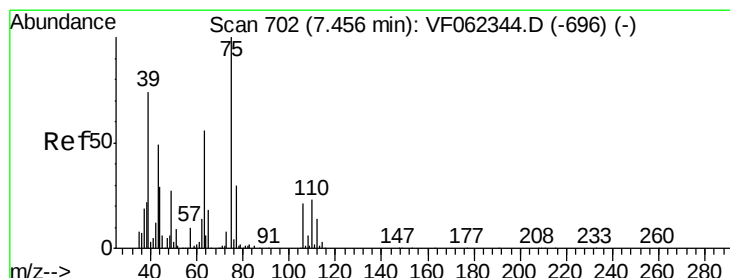
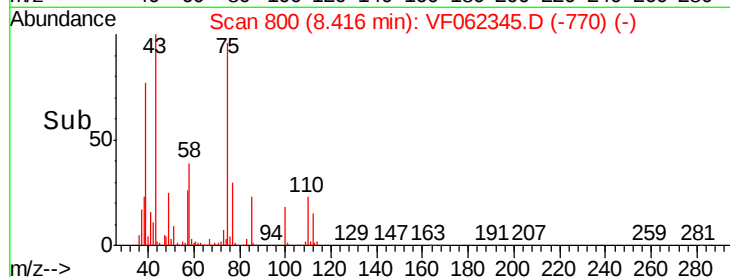
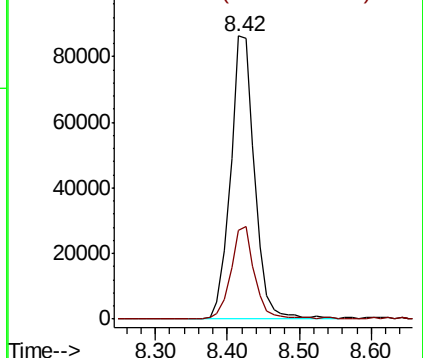
75 100

77 31.2 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0



#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

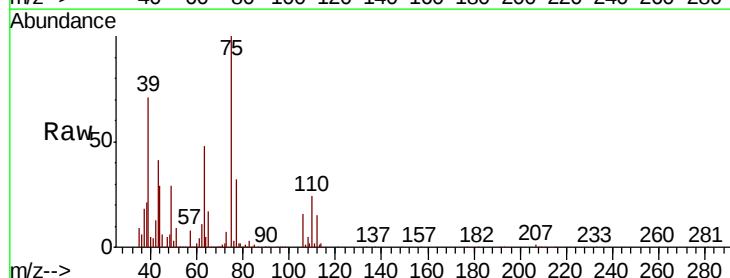
Tgt Ion: 75 Resp: 241358

Ion Ratio Lower Upper

75 100

77 31.9 24.0 36.0

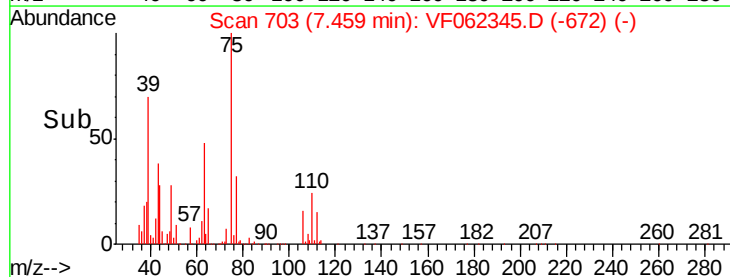
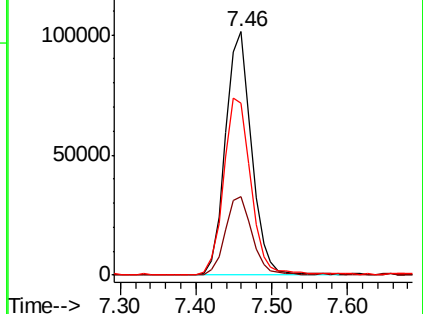
39 70.6 58.7 88.1

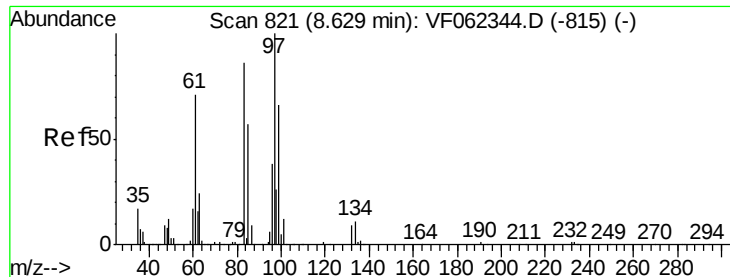


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0





#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

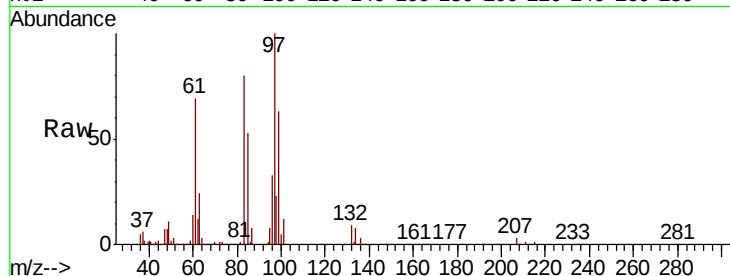
Ion Ratio Lower Upper

97 100

83 80.4 68.5 102.7

85 52.3 45.4 68.2

99 62.8 52.7 79.1

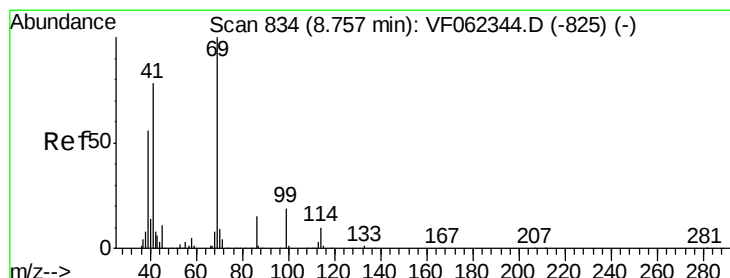
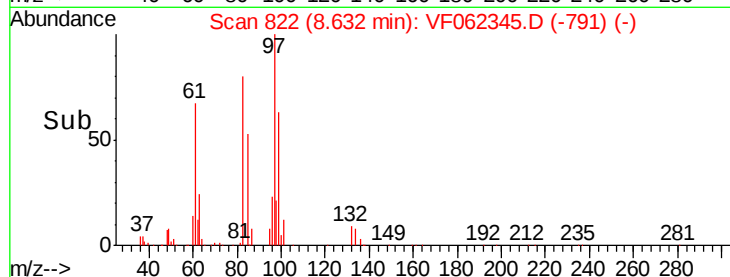
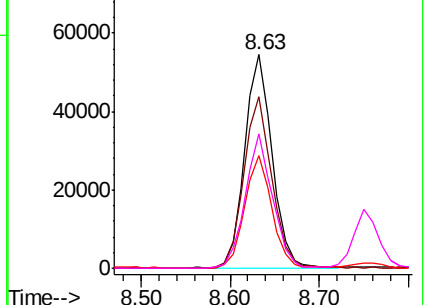


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 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

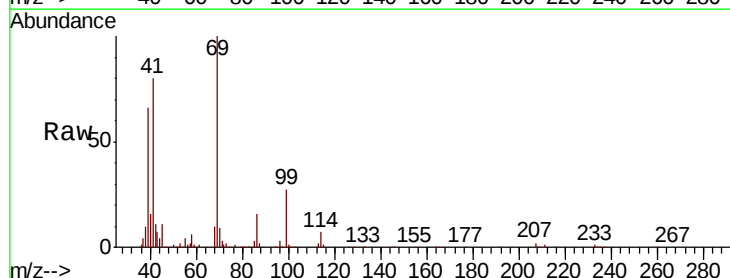
Tgt Ion: 69 Resp: 113478

Ion Ratio Lower Upper

69 100

41 83.9 66.3 99.5

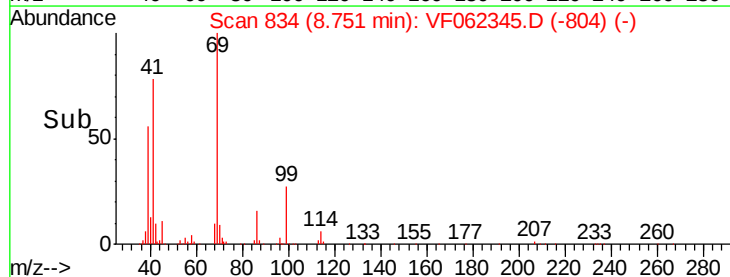
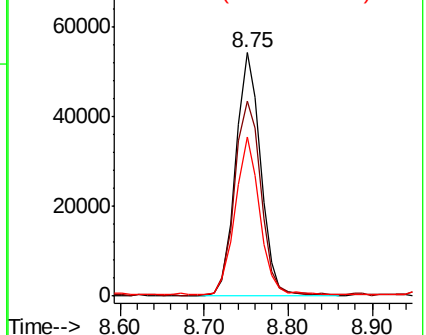
39 63.0 50.1 75.1

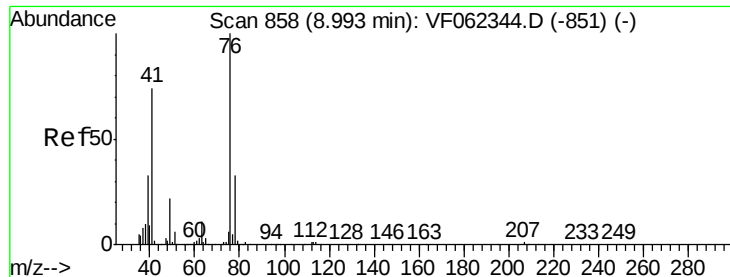


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 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 :

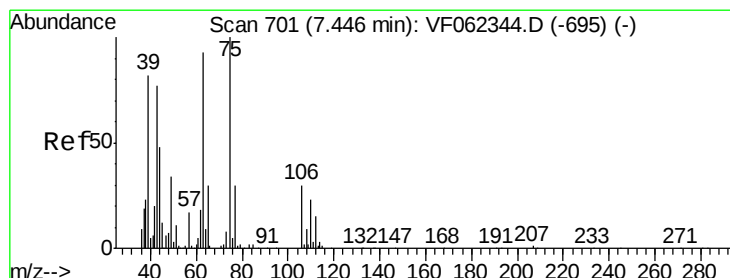
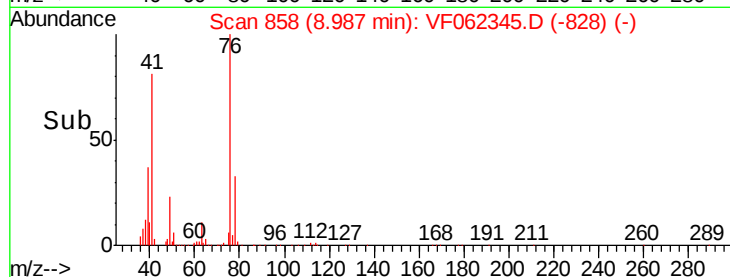
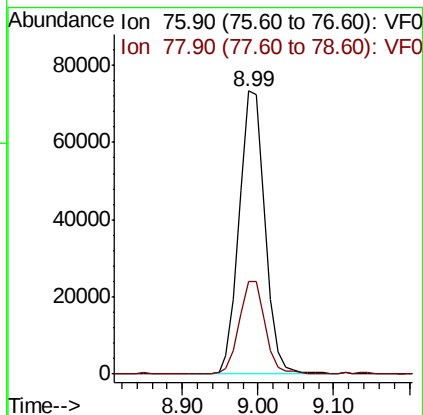
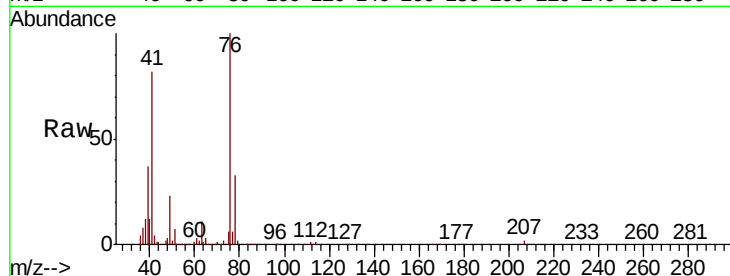
VSTDIC075

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

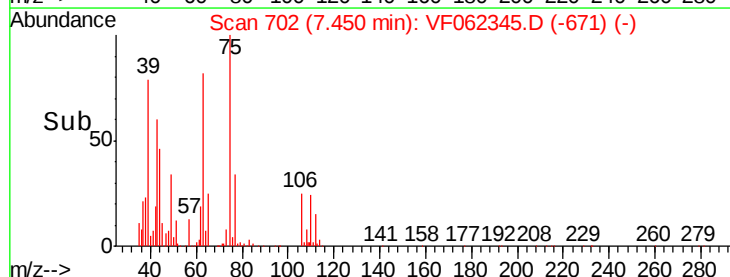
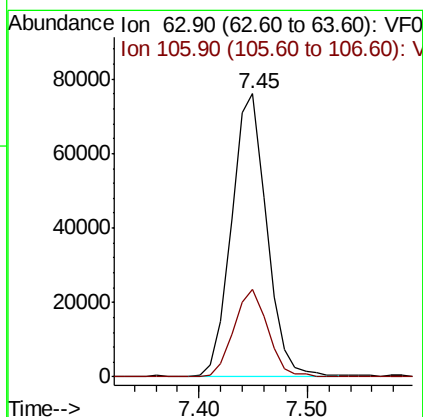
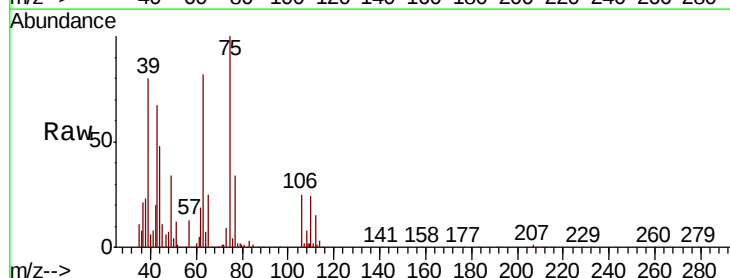
Acq: 6 May 2019 19:36

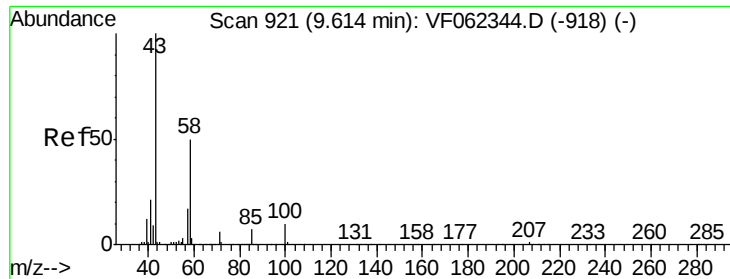
Tgt Ion: 63 Resp: 172692

Ion Ratio Lower Upper

63 100

106 29.8 25.8 38.8

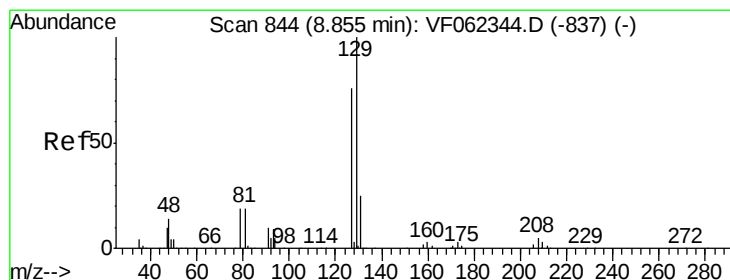
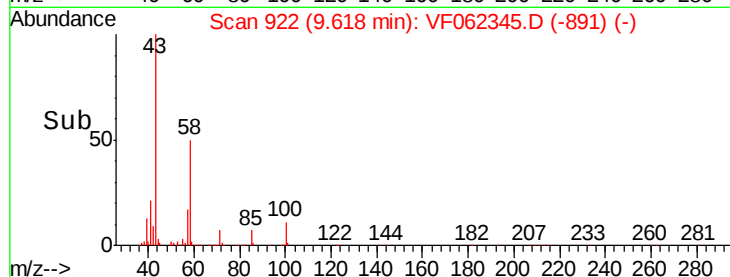
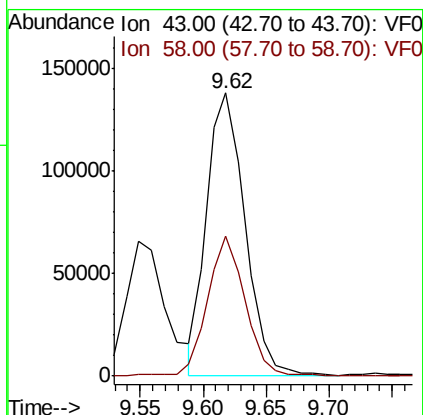
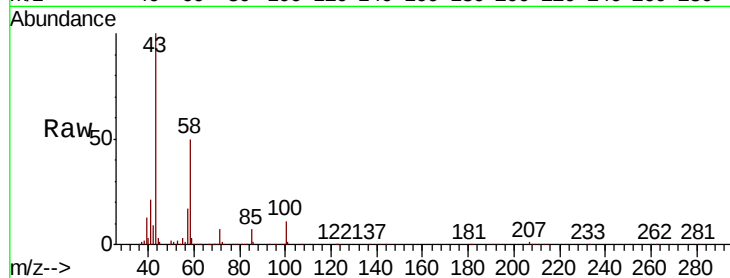




#59
2-Hexanone
Concen: 254.937 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

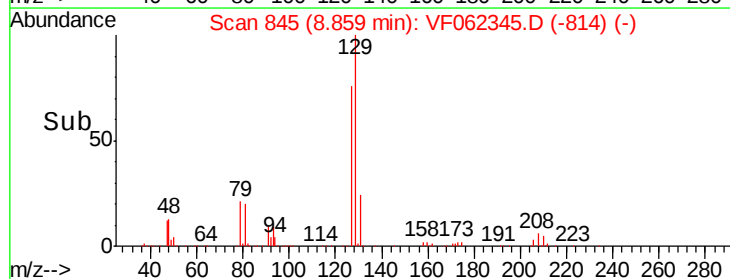
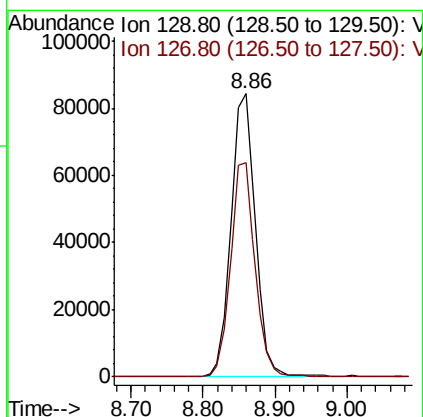
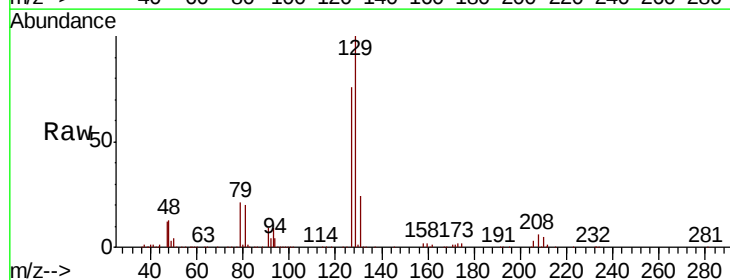
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

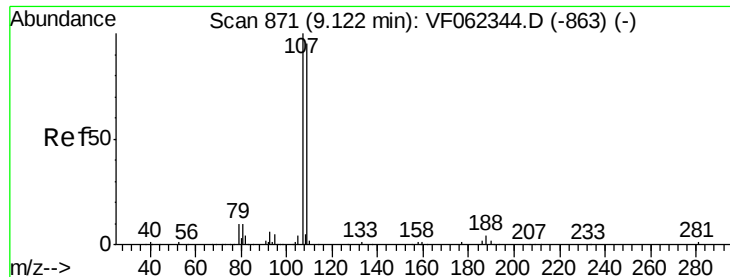
Tot Ion: 43 Resp: 288897
Ion Ratio Lower Upper
43 100
58 49.7 24.3 73.0



#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 :

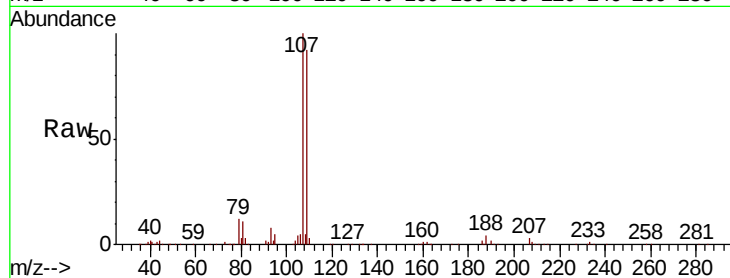
VSTDIC075

Tot Ion:107 Resp: 132534

Ion Ratio Lower Upper

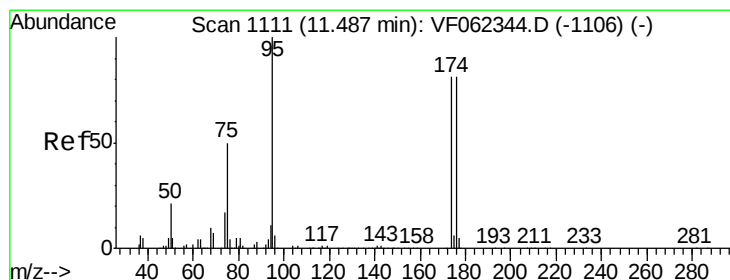
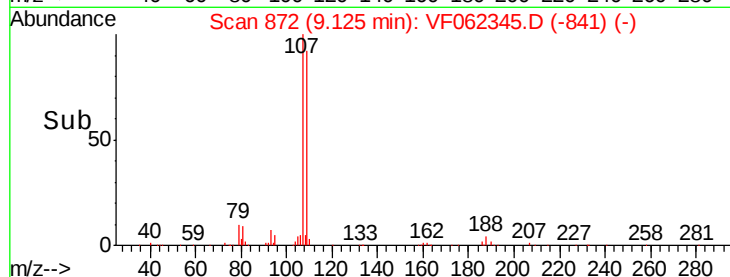
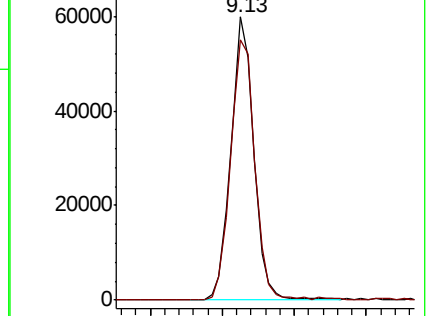
107 100

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

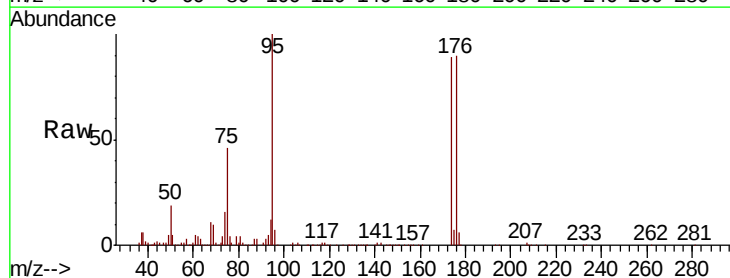
Tgt Ion: 95 Resp: 272212

Ion Ratio Lower Upper

95 100

174 92.7 0.0 191.8

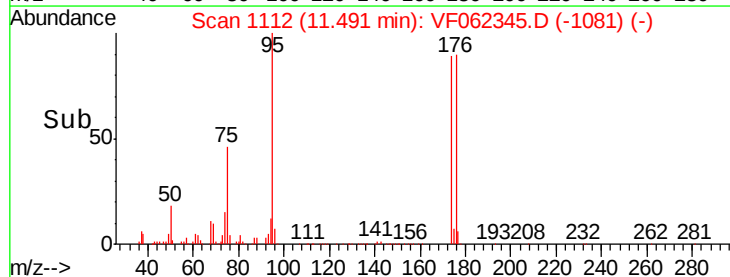
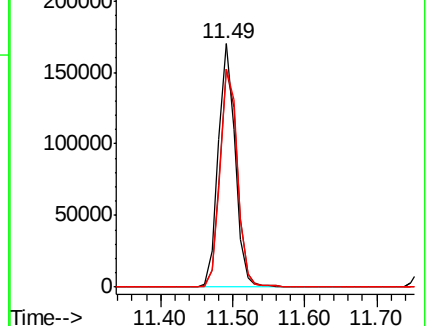
176 92.8 0.0 193.2

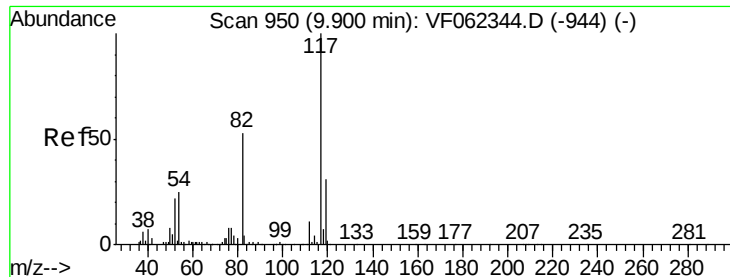


Abundance Ion 94.90 (94.60 to 95.60): VF0

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

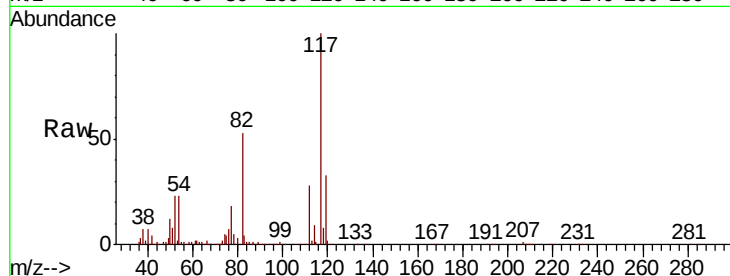
Tot Ion:117 Resp: 356699

Ion Ratio Lower Upper

117 100

82 53.0 42.2 63.2

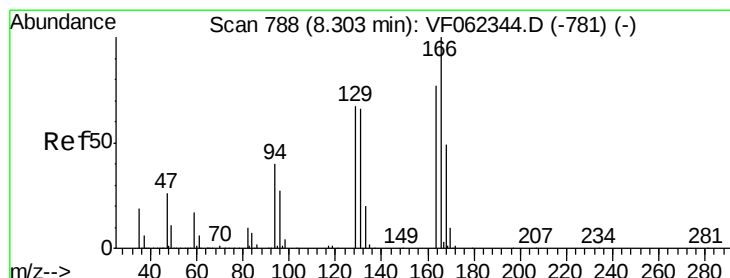
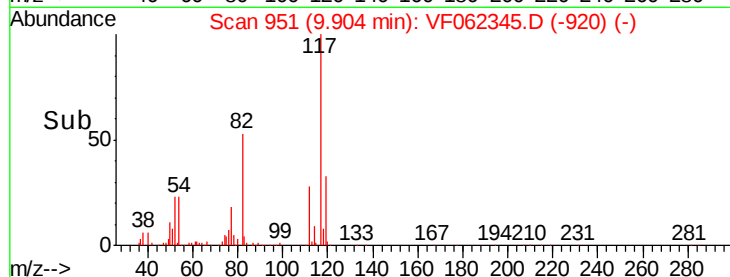
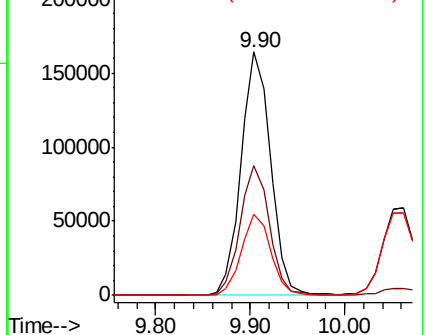
119 33.4 25.0 37.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#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

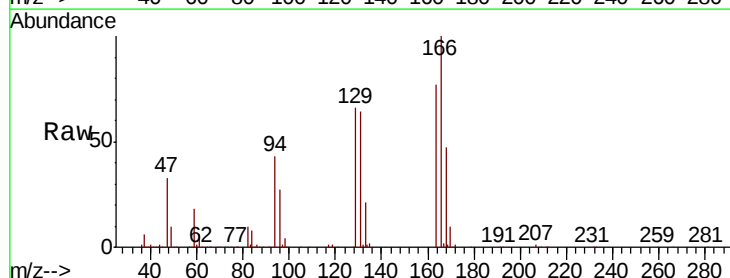
Ion Ratio Lower Upper

164 100

166 130.5 104.2 156.4

129 85.9 69.6 104.4

131 83.3 68.8 103.2

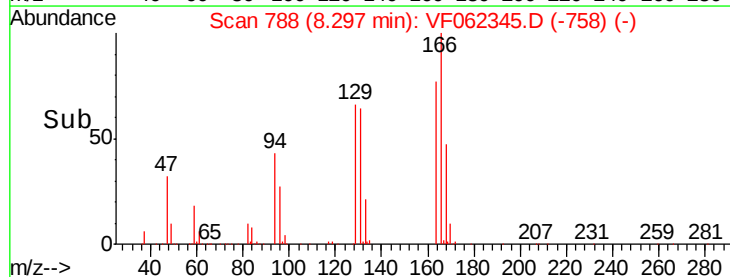
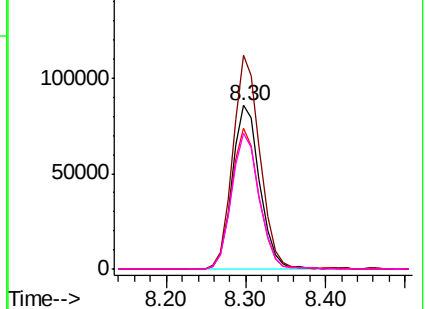


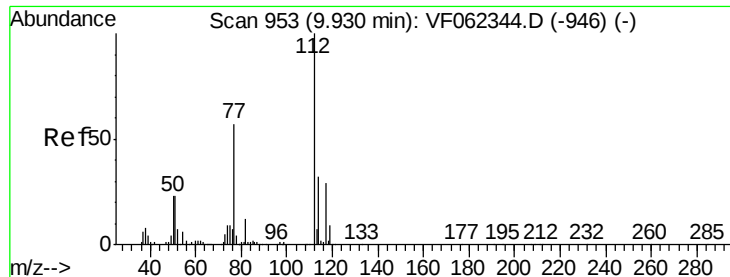
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#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 :

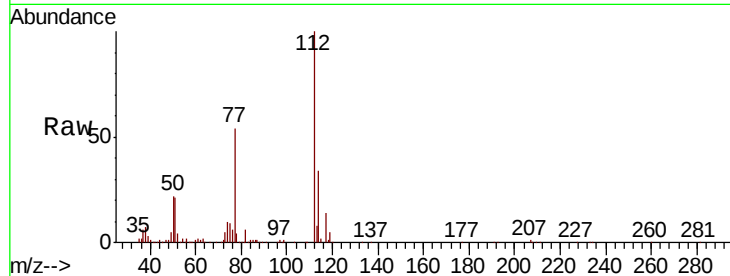
VSTDIC075

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

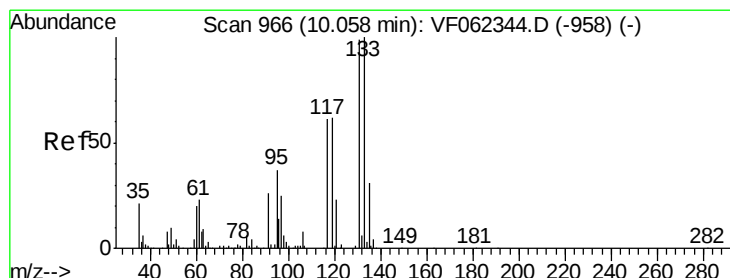
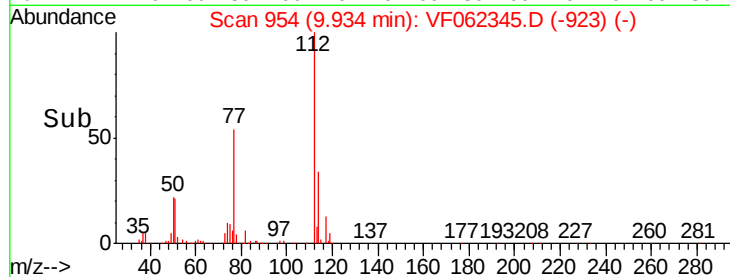
150000

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

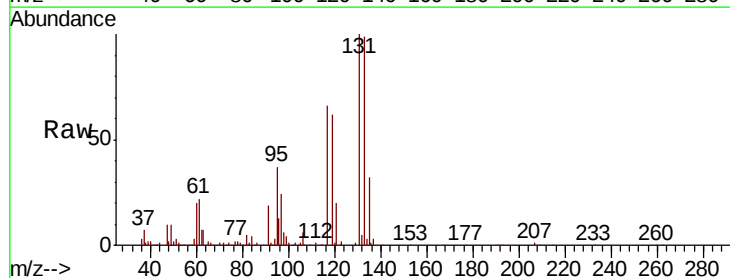
Tgt Ion:131 Resp: 210540

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

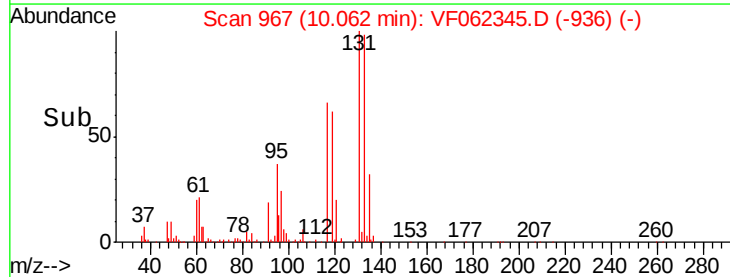
60000

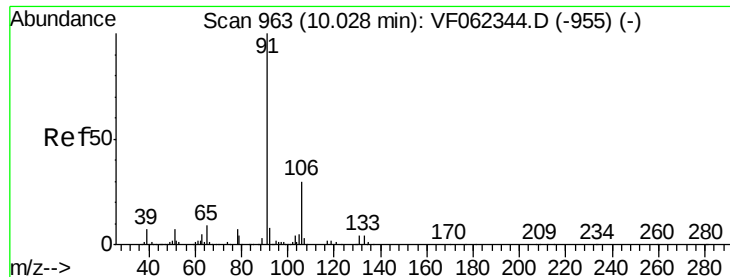
40000

20000

0

Time-->

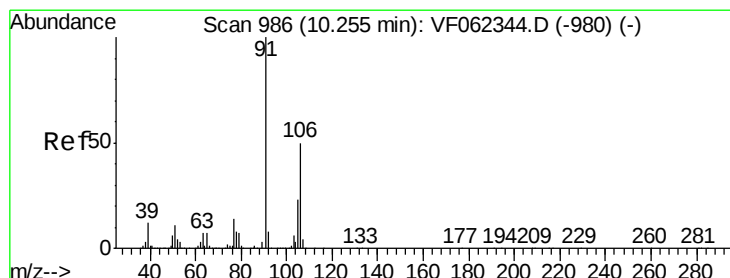
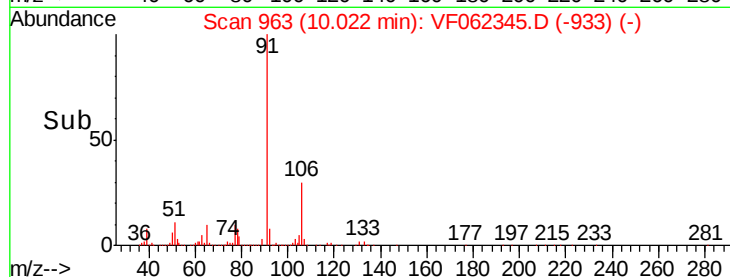
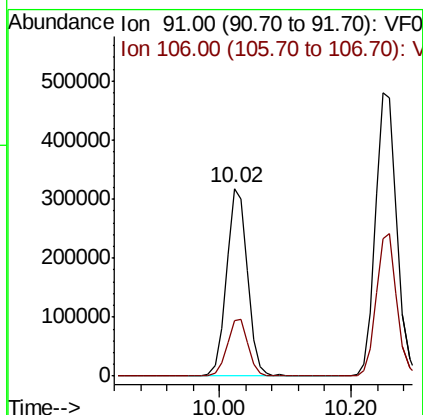
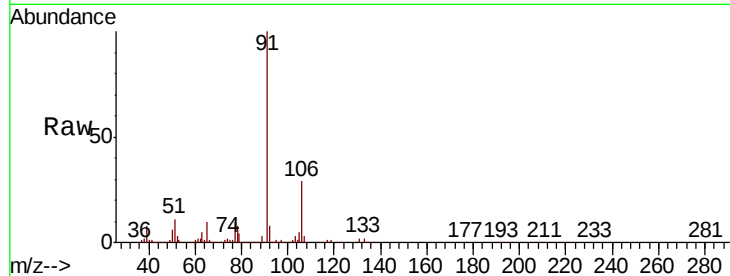




#67
Ethyl Benzene
Concen: 52.511 ug/l
RT: 10.02 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

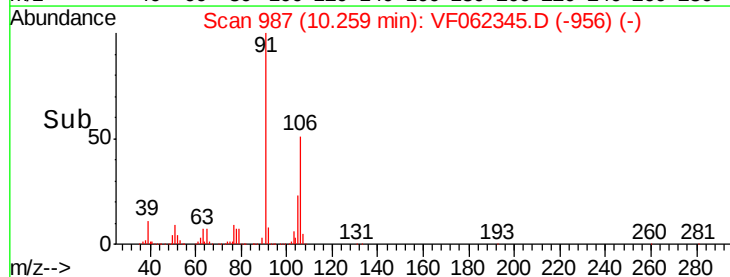
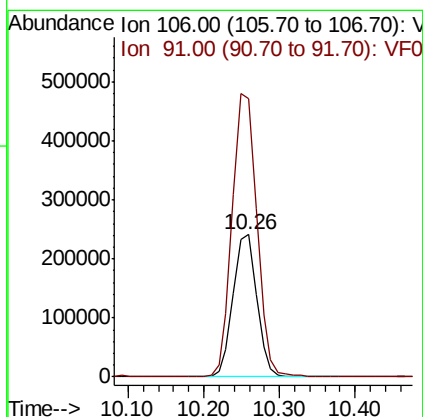
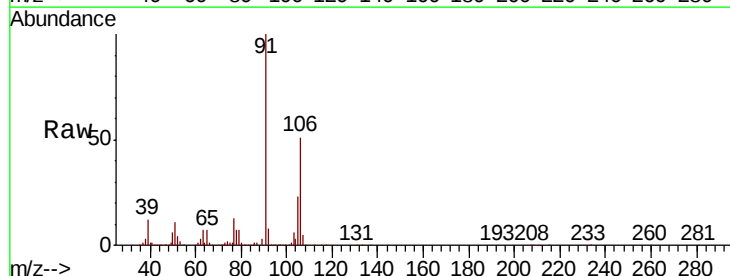
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

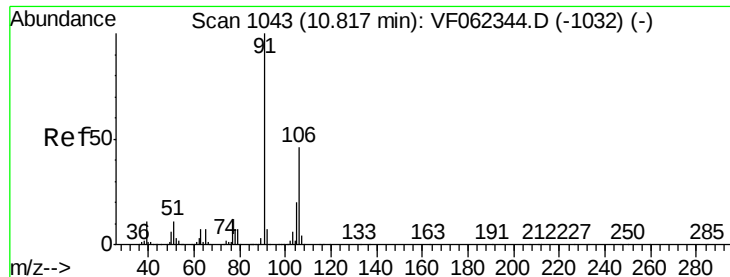
Tot Ion: 91 Resp: 708985
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1



#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

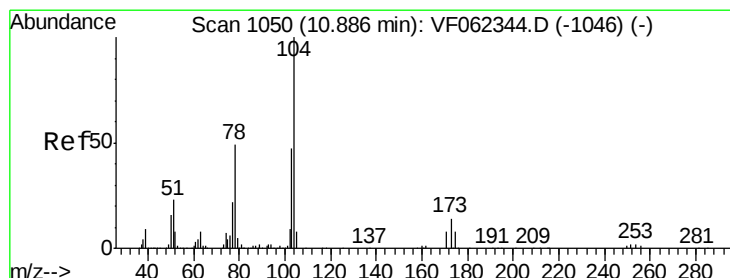
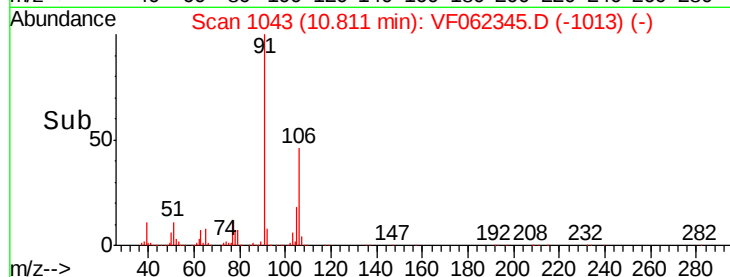
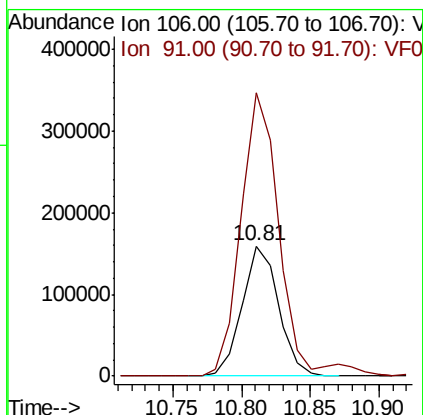
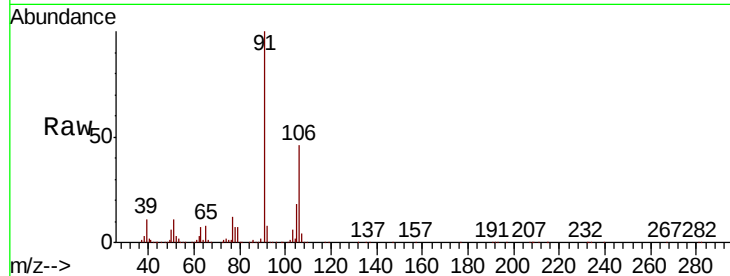




#69
o-Xylene
Concen: 53.143 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

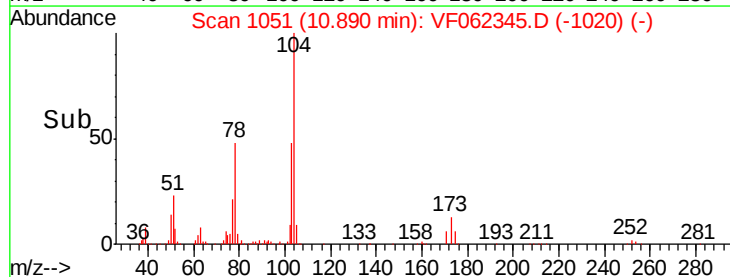
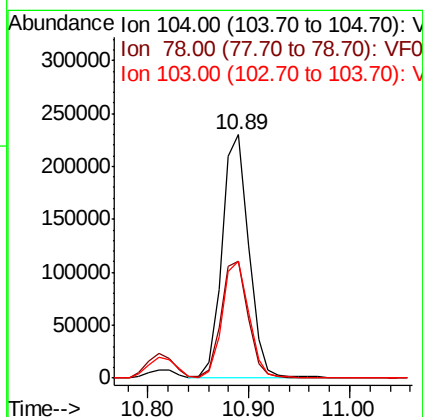
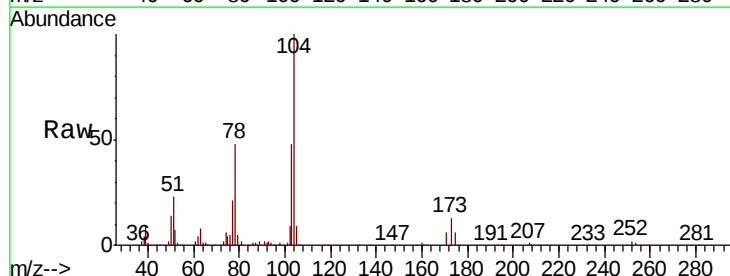
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

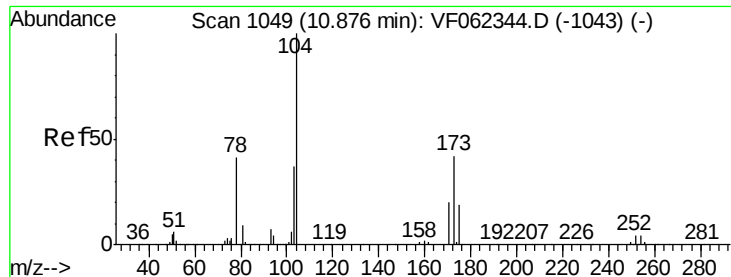
Tot Ion:106 Resp: 295131
Ion Ratio Lower Upper
106 100
91 222.9 111.3 333.8



#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

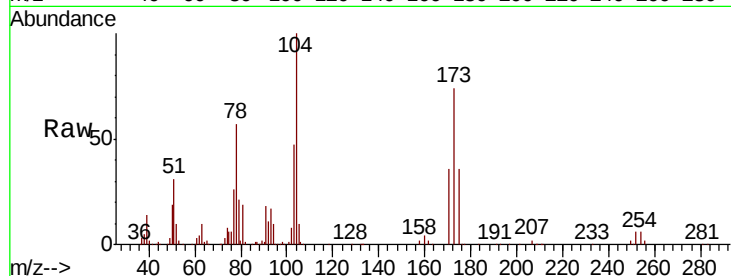
Tot Ion:173 Resp: 119834

Ion Ratio Lower Upper

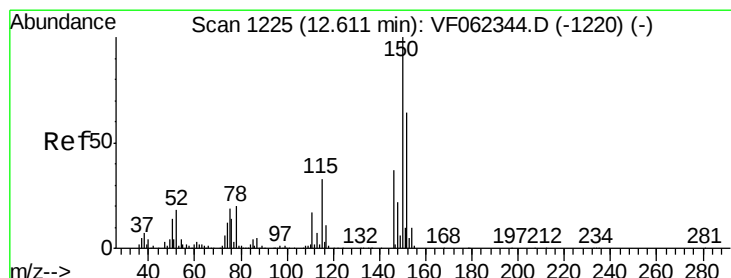
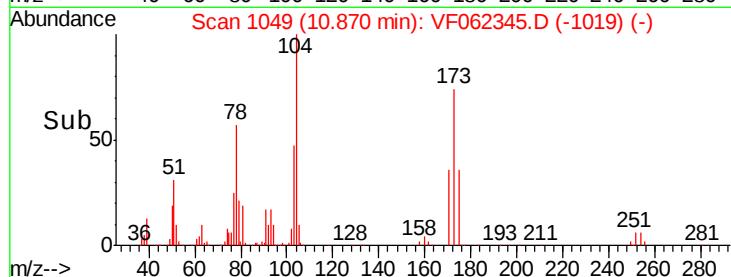
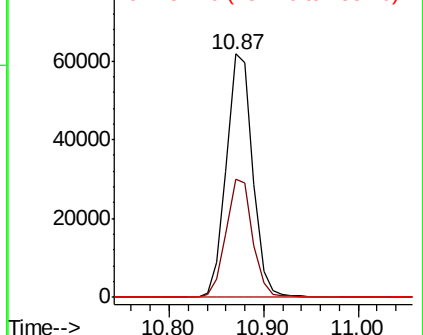
173 100

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

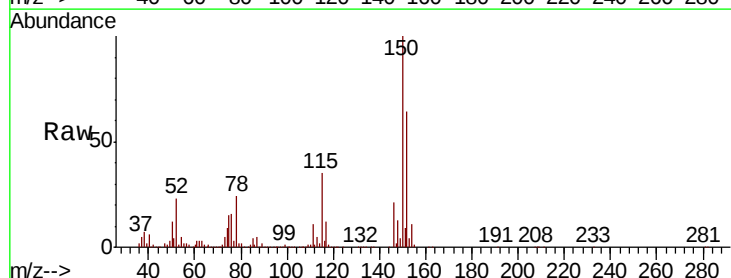
Tgt Ion:152 Resp: 202124

Ion Ratio Lower Upper

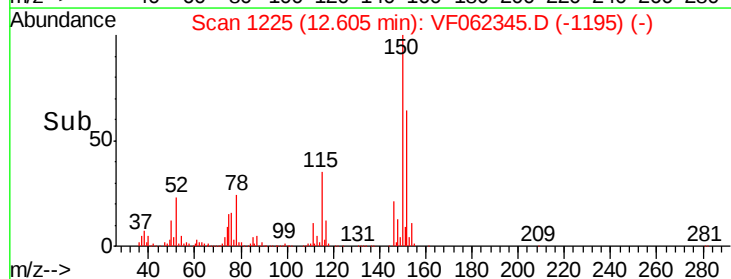
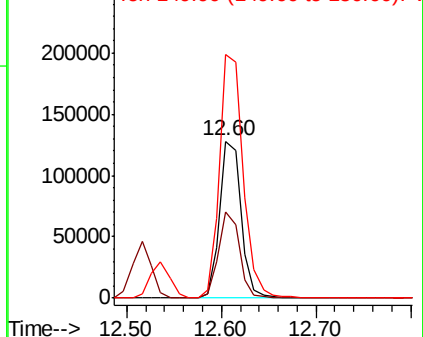
152 100

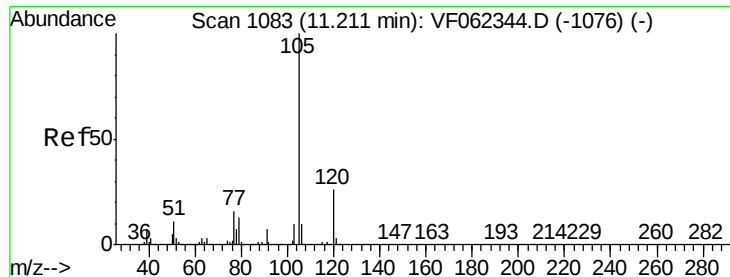
115 53.5 26.4 79.2

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 :

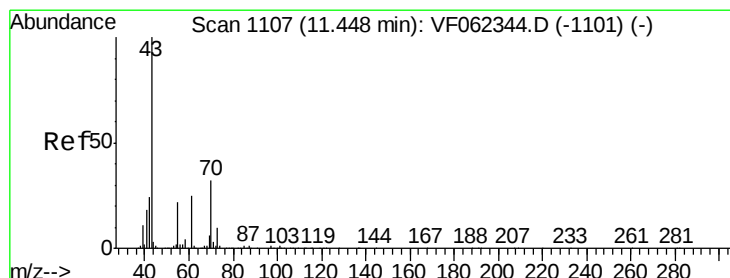
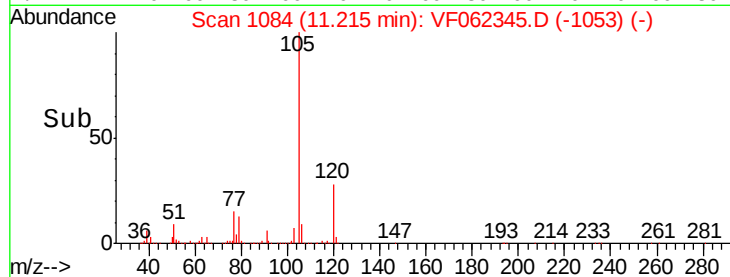
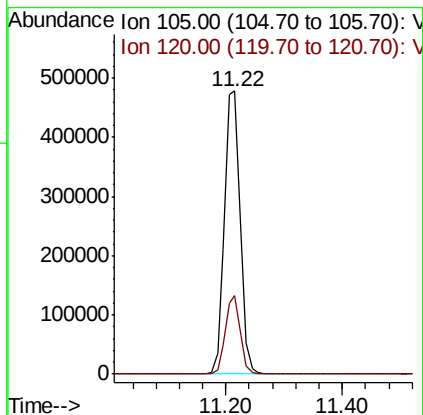
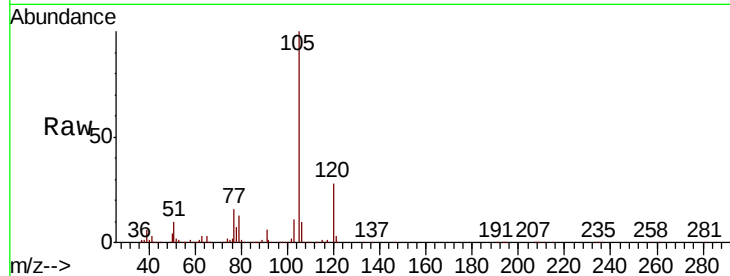
VSTDIC075

Tot Ion:105 Resp: 895221

Ion Ratio Lower Upper

105 100

120 26.0 12.7 38.0



#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

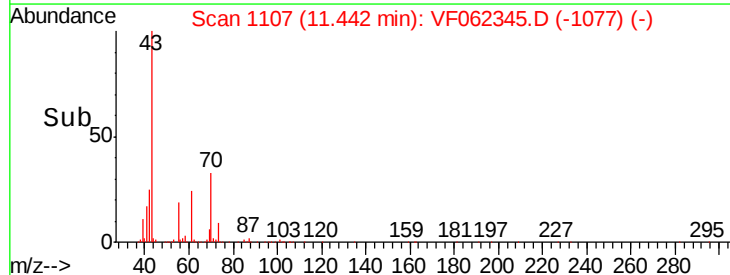
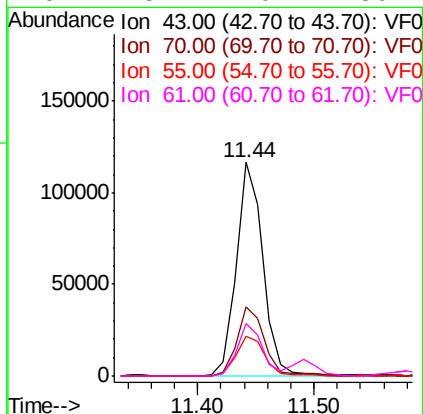
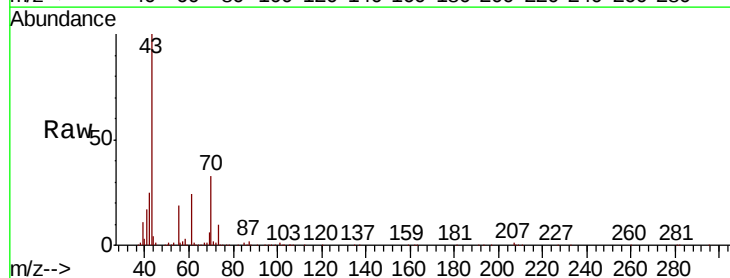
Ion Ratio Lower Upper

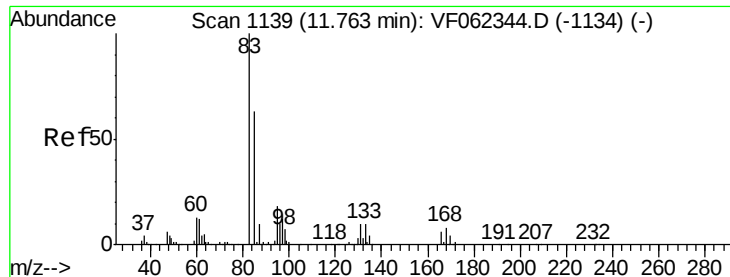
43 100

70 33.5 26.5 39.7

55 19.9 17.8 26.6

61 23.2 20.2 30.2





#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

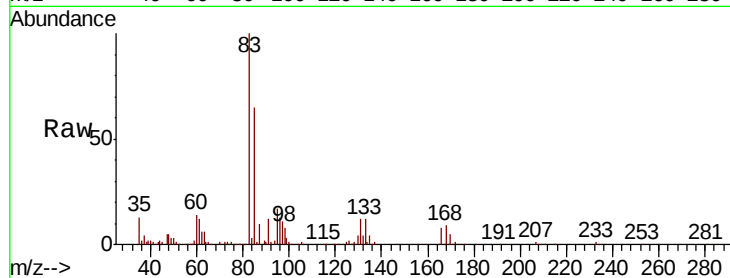
Tot Ion: 83 Resp: 143863

Ion Ratio Lower Upper

83 100

131 12.3 5.8 17.4

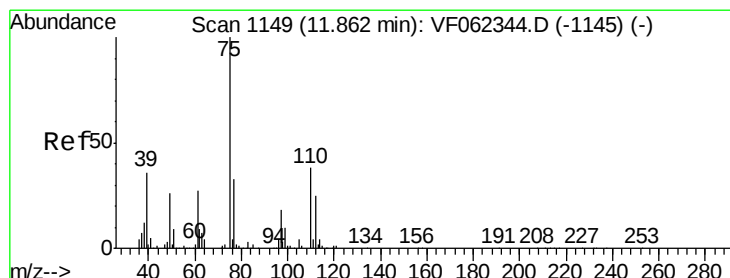
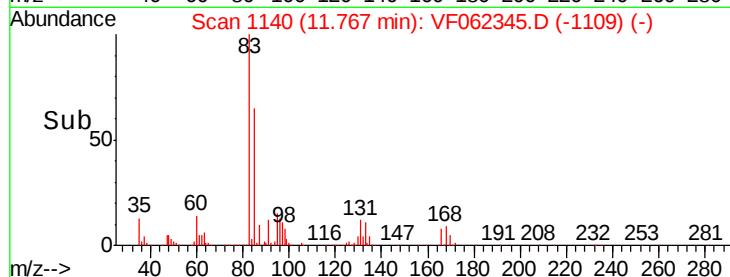
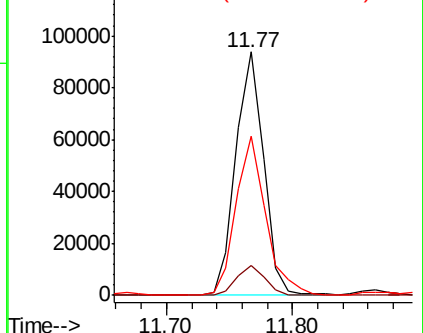
85 70.4 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

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

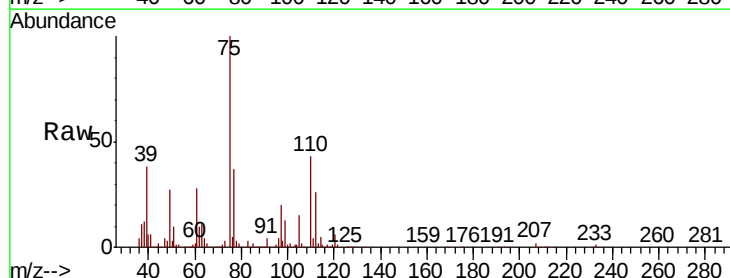
Acq: 6 May 2019 19:36

Tgt Ion: 75 Resp: 101298

Ion Ratio Lower Upper

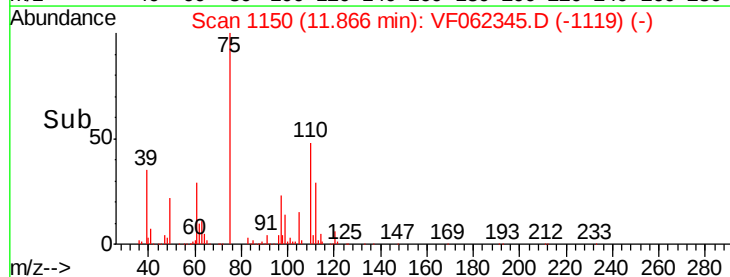
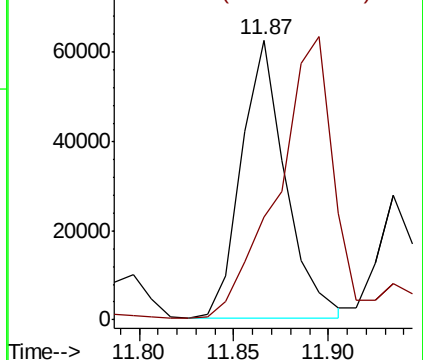
75 100

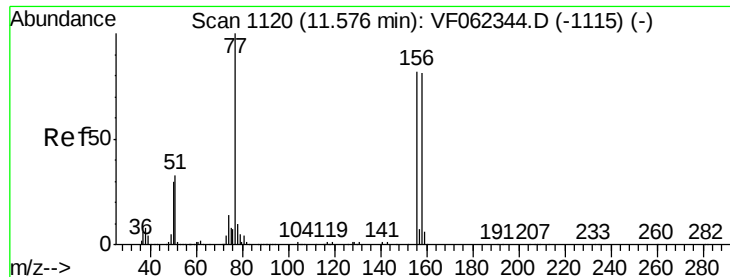
77 0.0 0.0 0.0



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

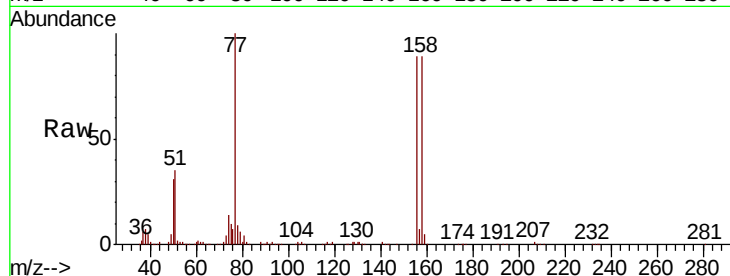
Tot Ion:156 Resp: 232274

Ion Ratio Lower Upper

156 100

77 131.2 64.8 194.3

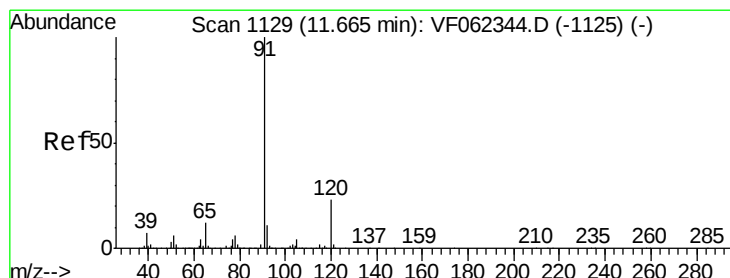
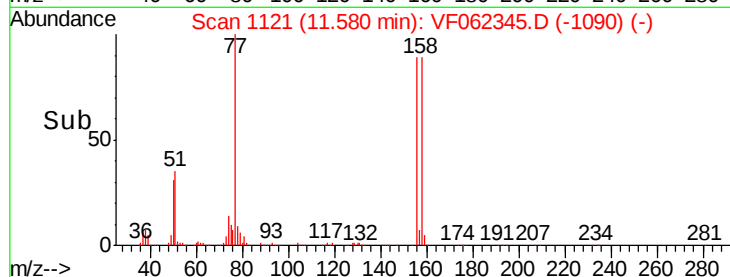
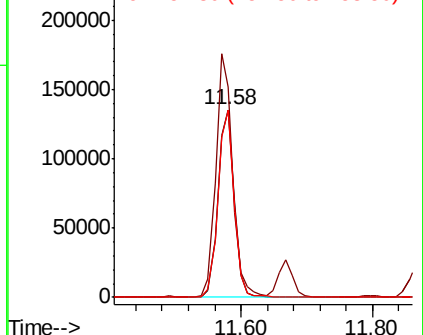
158 99.0 49.1 147.3



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

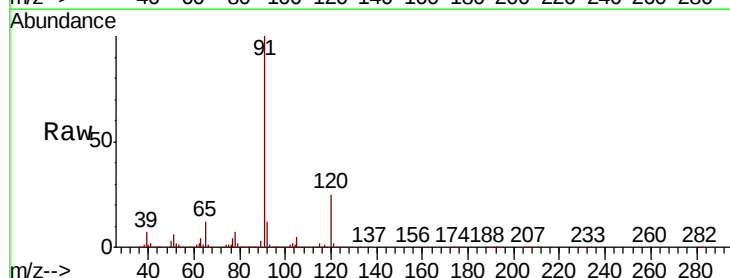
Acq: 6 May 2019 19:36

Tgt Ion: 91 Resp: 927819

Ion Ratio Lower Upper

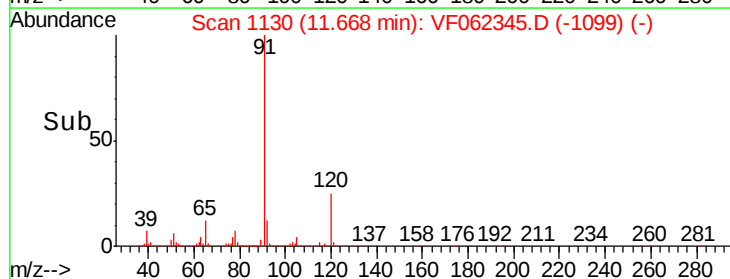
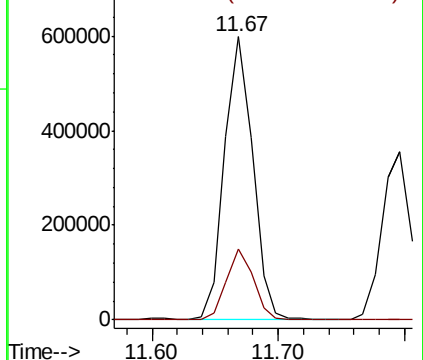
91 100

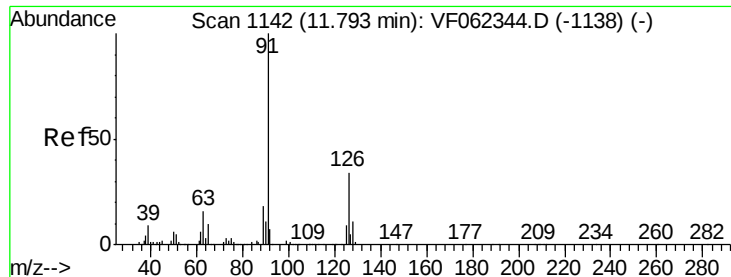
120 24.0 11.9 35.5



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 :

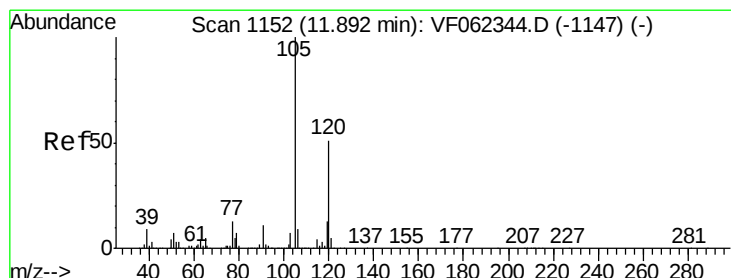
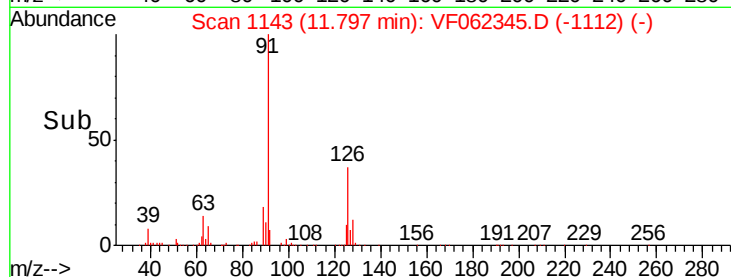
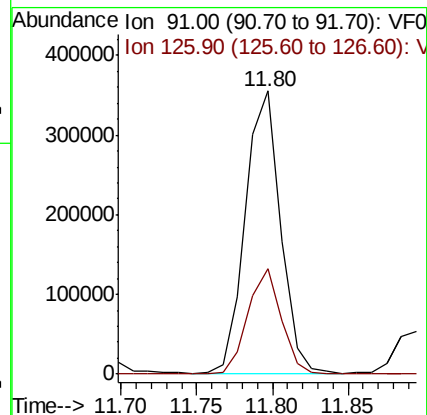
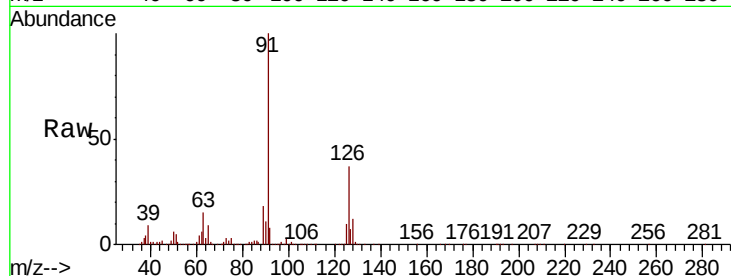
VSTDIC075

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

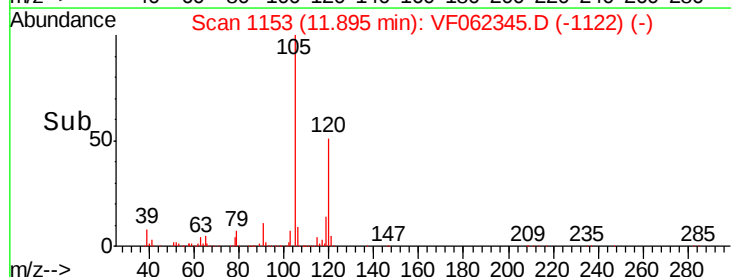
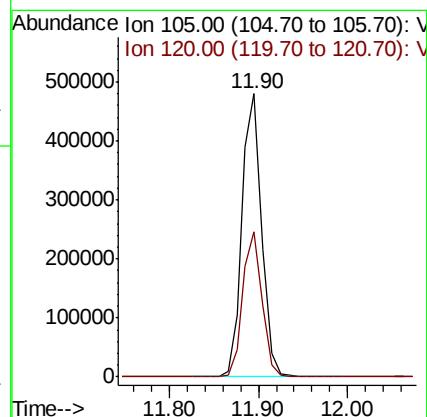
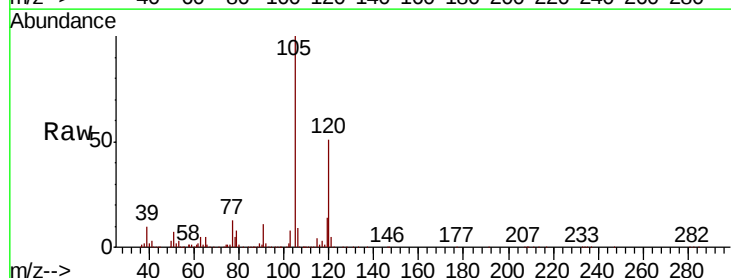
Acq: 6 May 2019 19:36

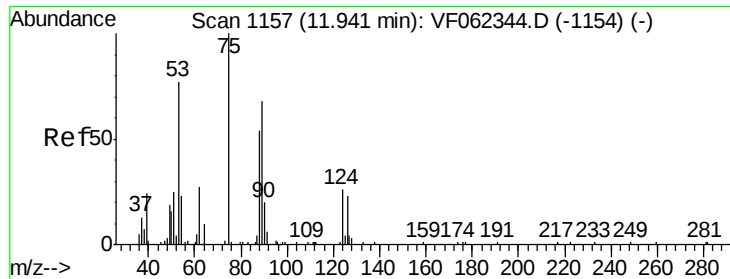
Tgt Ion:105 Resp: 740061

Ion Ratio Lower Upper

105 100

120 50.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 72.408 ug/l

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

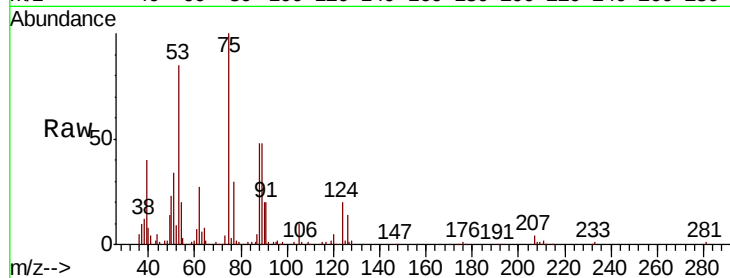
Tot Ion: 75 Resp: 56220

Ion Ratio Lower Upper

75 100

53 58.4 71.9 107.9#

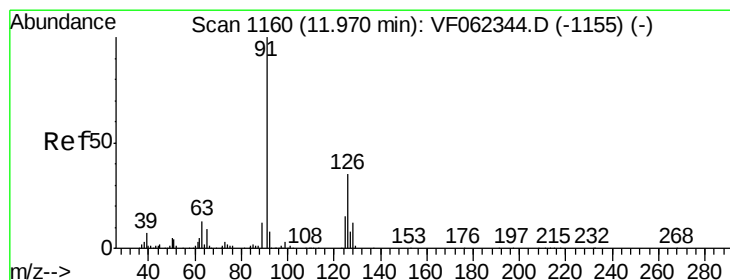
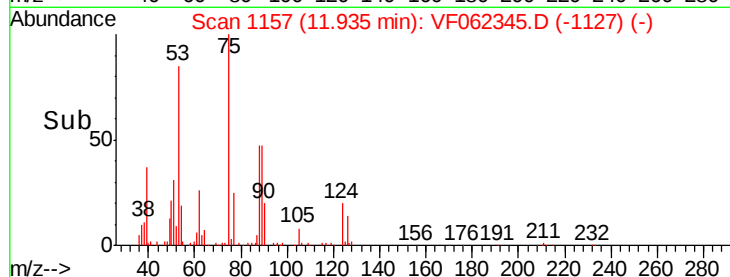
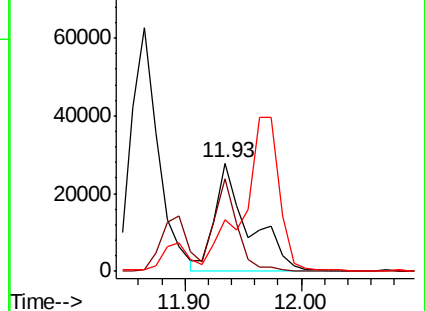
89 0.0 0.0 0.0



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

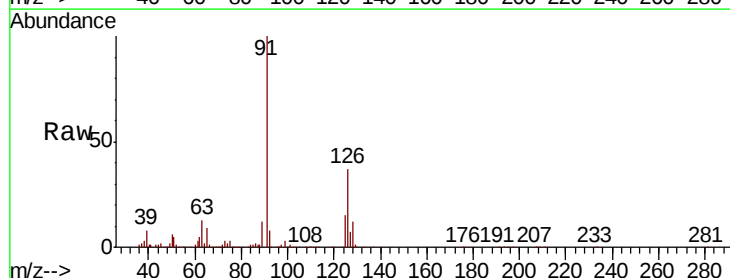
Acq: 6 May 2019 19:36

Tgt Ion: 91 Resp: 561640

Ion Ratio Lower Upper

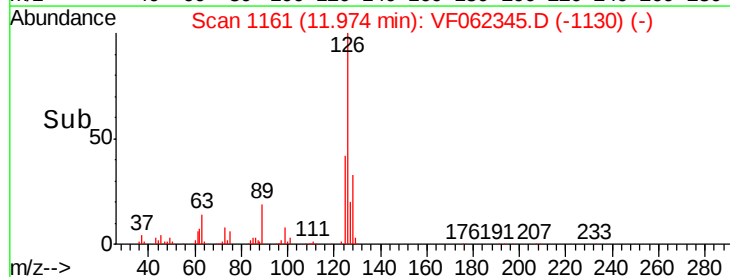
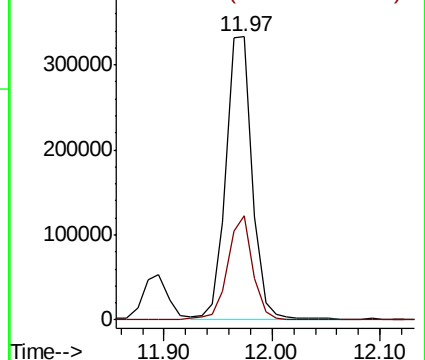
91 100

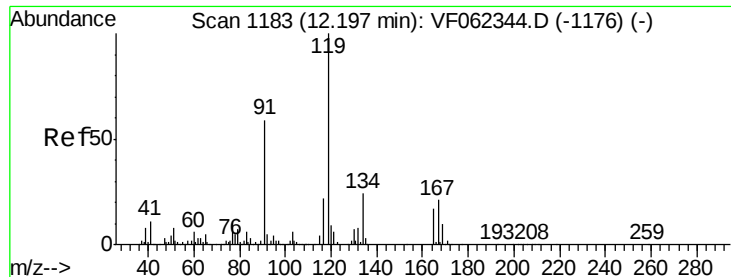
126 35.3 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

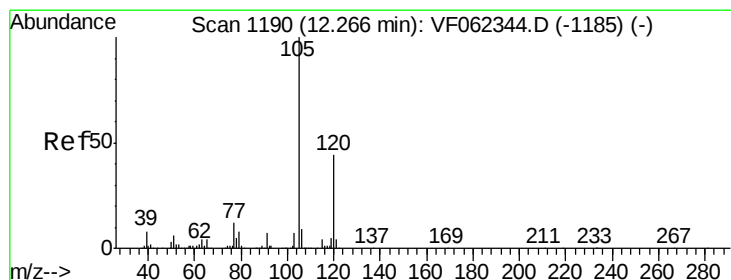
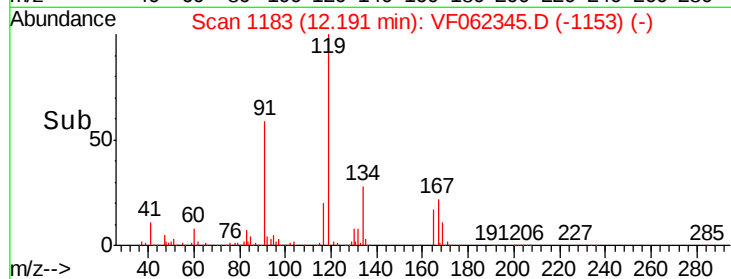
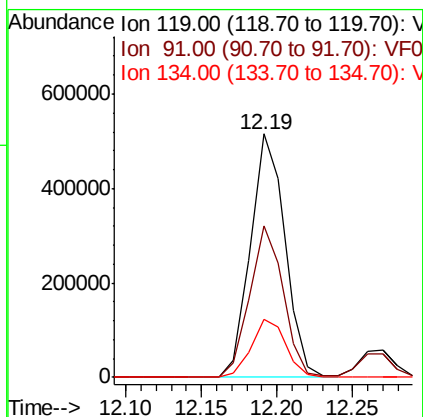
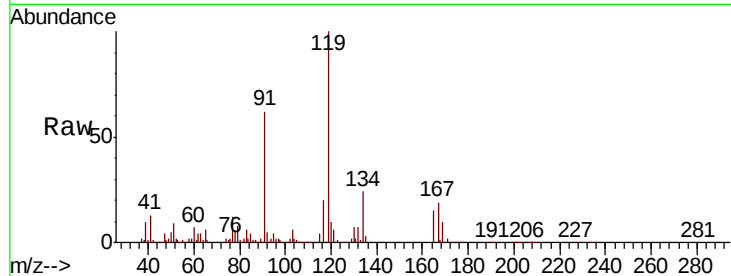




#83
 tert-Butylbenzene
 Concen: 57.270 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

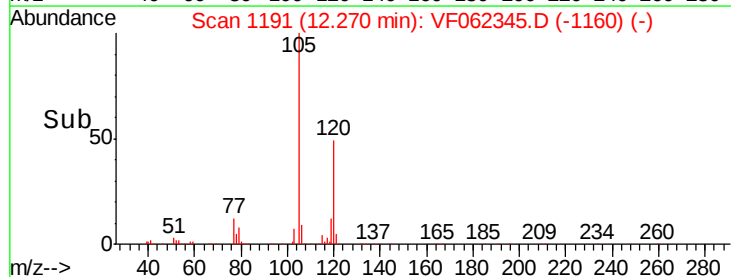
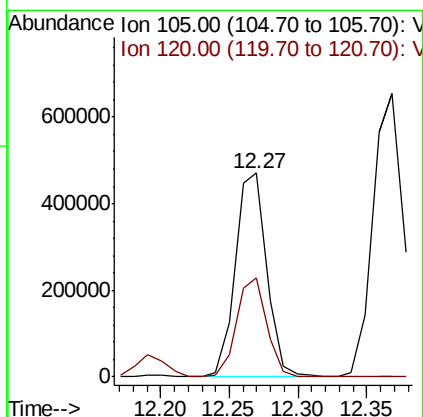
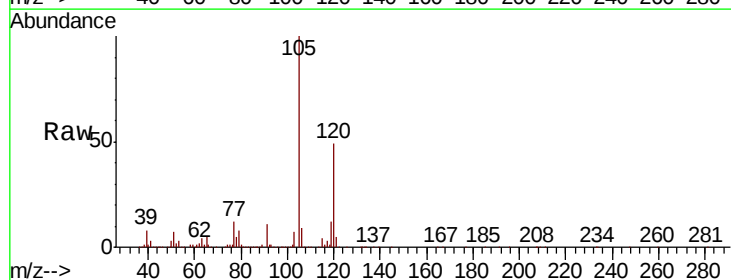
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

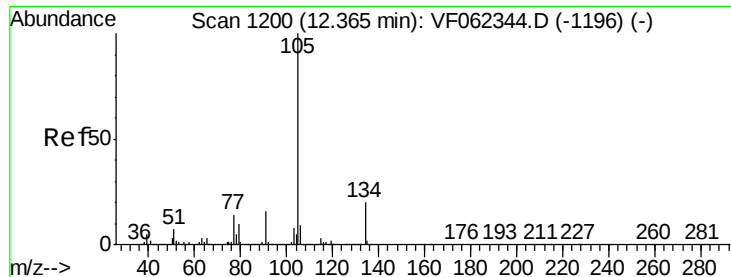
Tot Ion:119 Resp: 824222
 Ion Ratio Lower Upper
 119 100
 91 60.2 30.4 91.3
 134 23.9 11.9 35.7



#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 :

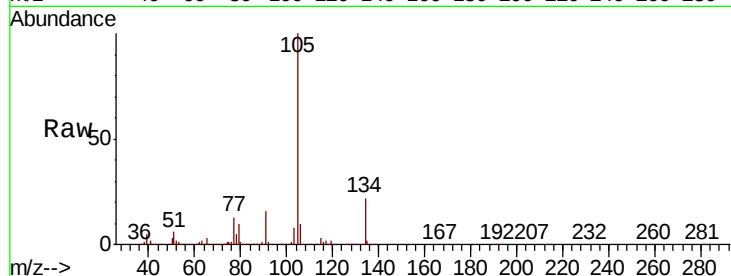
VSTDIC075

Tot Ion:105 Resp: 1021174

Ion Ratio Lower Upper

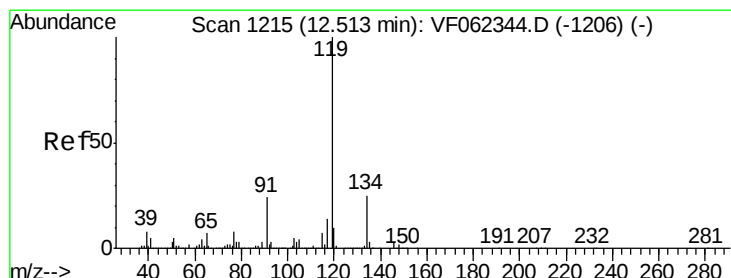
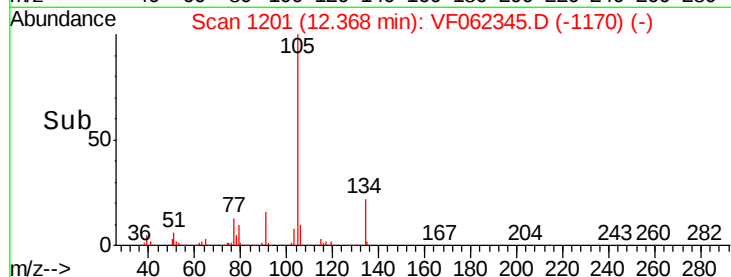
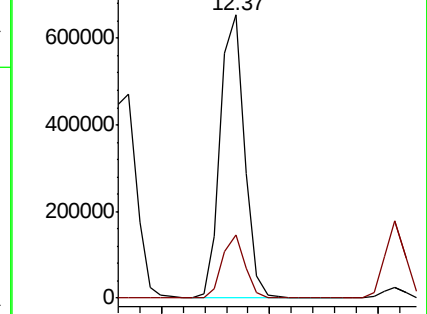
105 100

134 20.9 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#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

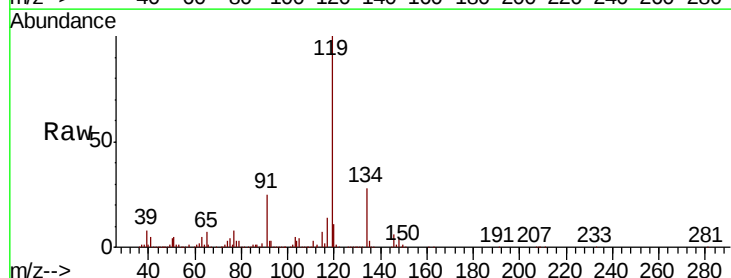
Tgt Ion:119 Resp: 906223

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.7

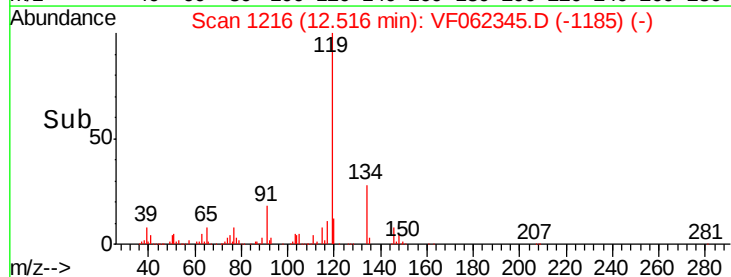
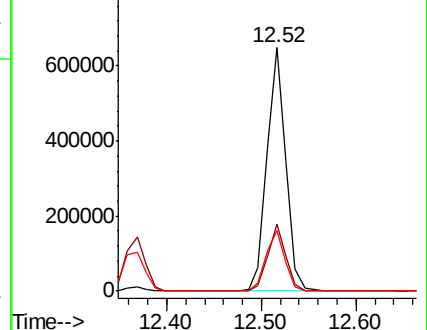
91 25.1 12.3 36.8

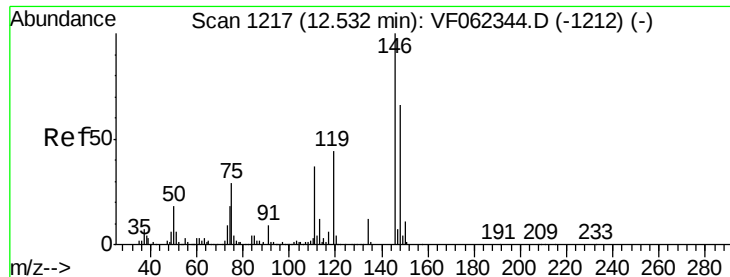


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

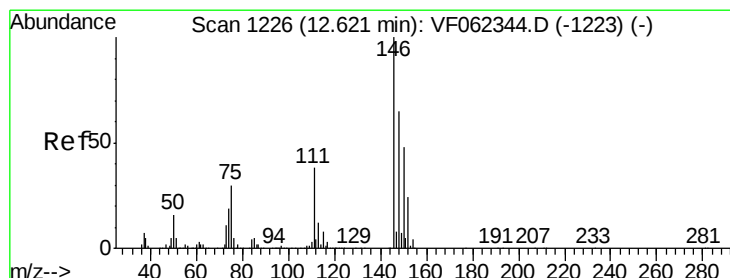
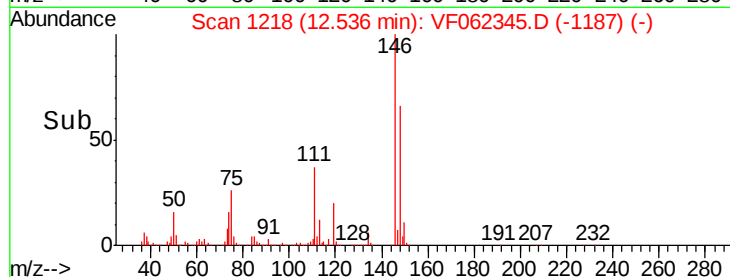
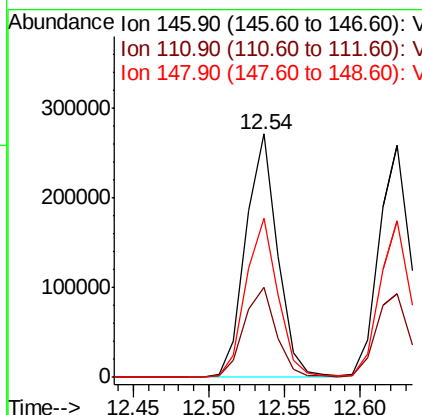
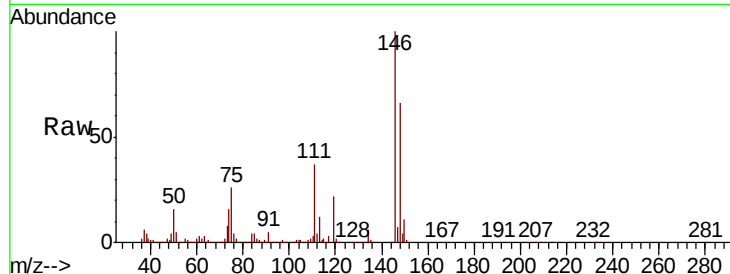




#87
 1,3-Dichlorobenzene
 Concen: 54.657 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

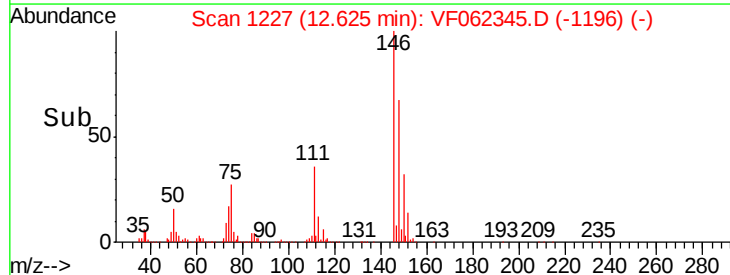
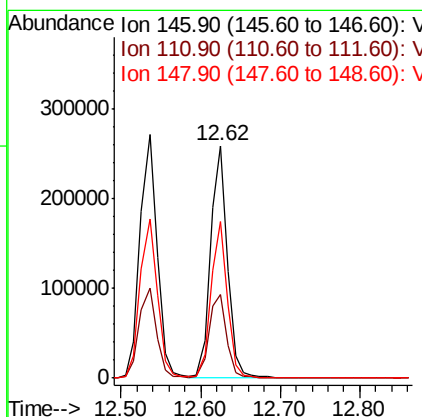
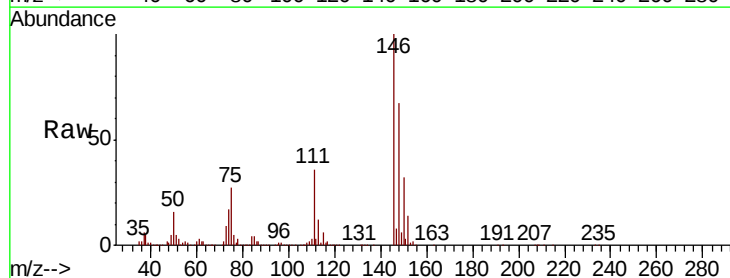
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

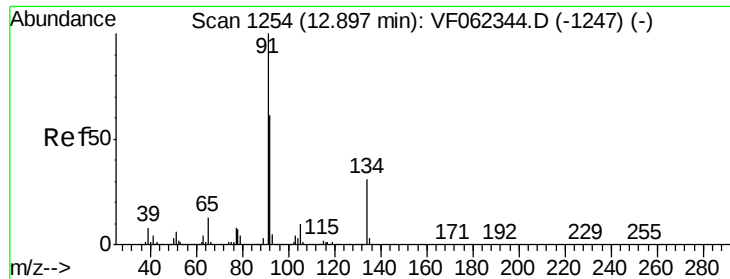
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.3	54.8
148	65.9	32.3	96.9



#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

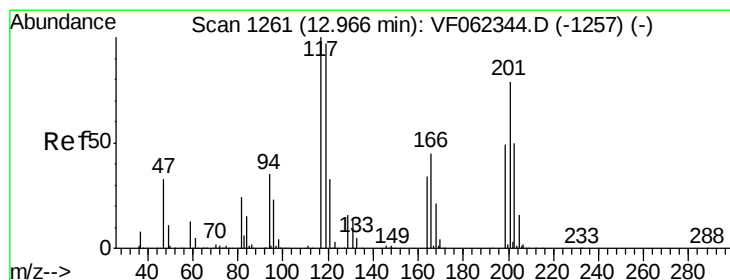
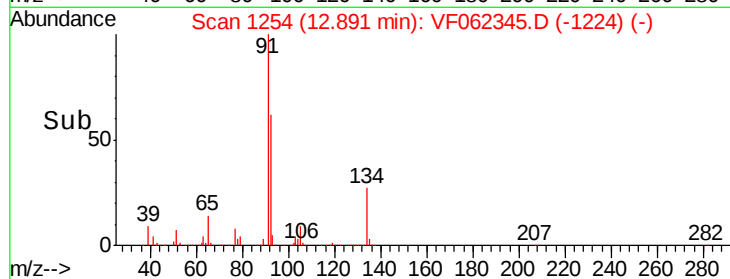
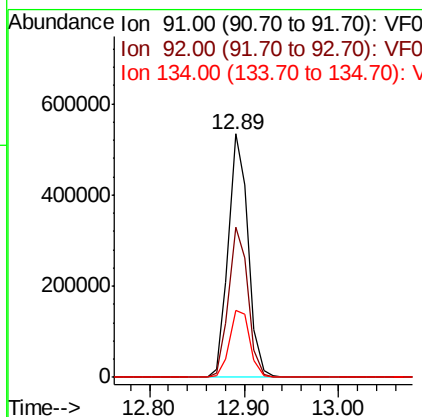
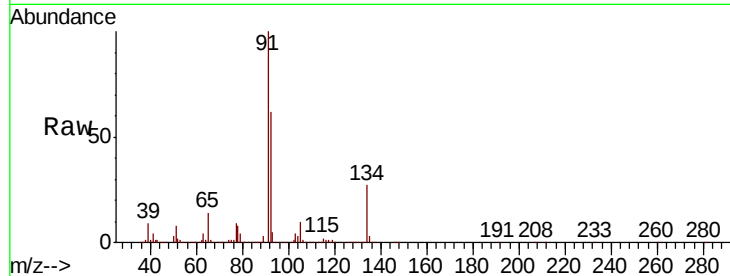




#89
n-Butylbenzene
Concen: 53.940 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

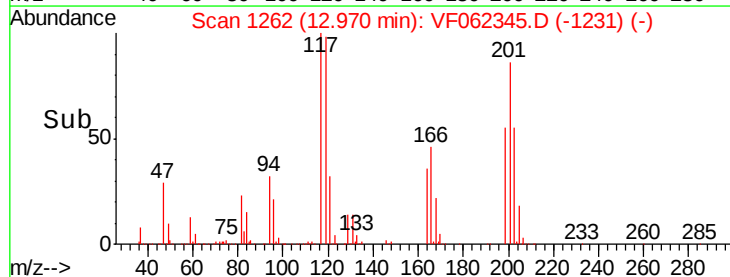
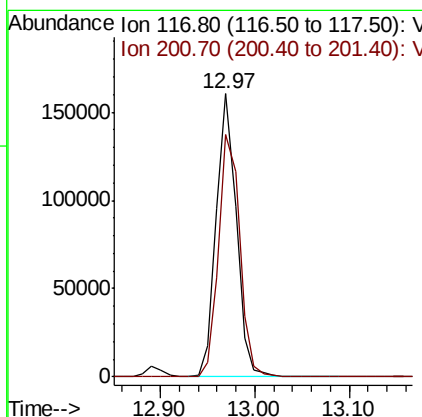
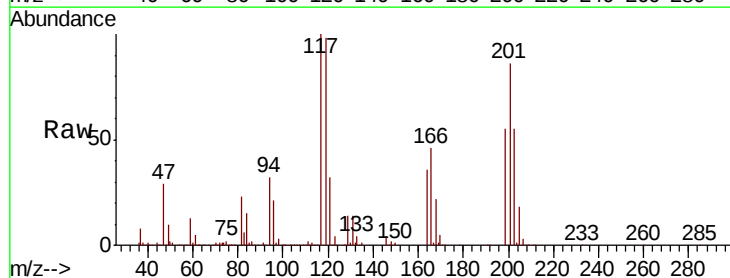
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

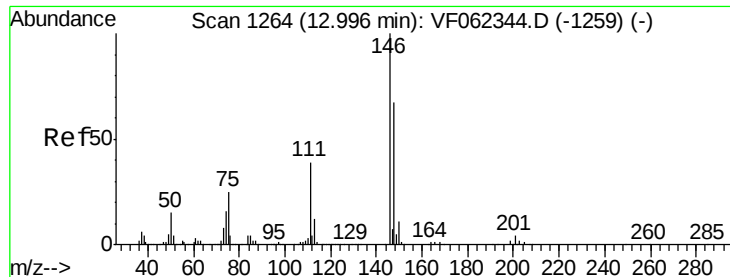
Tot Ion: 91 Resp: 774513
Ion Ratio Lower Upper
91 100
92 60.8 30.0 90.0
134 28.7 14.1 42.4



#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

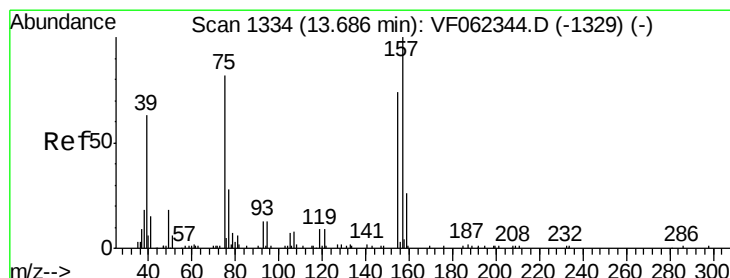
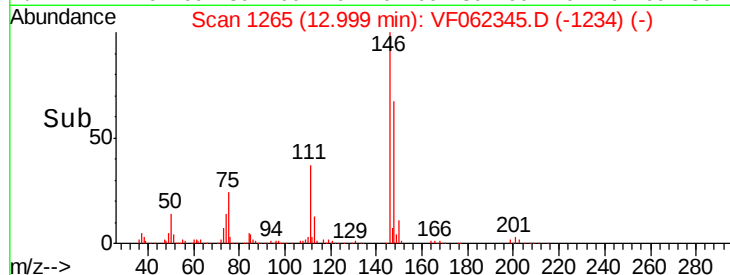
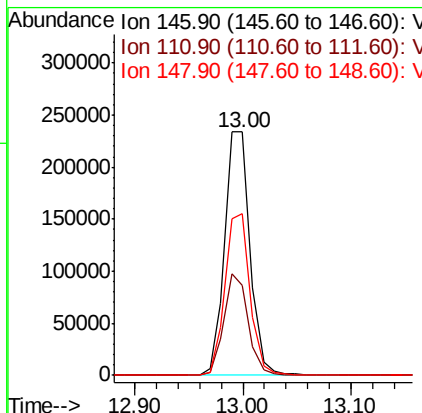
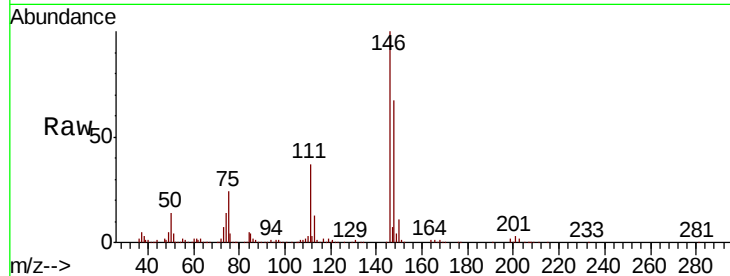




#91
 1,2-Dichlorobenzene
 Concen: 54.617 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

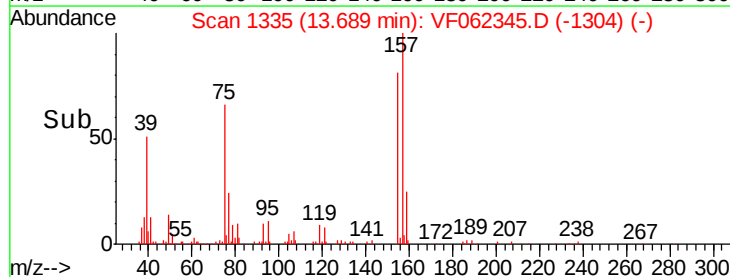
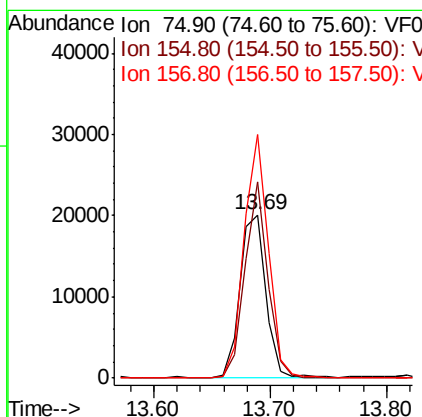
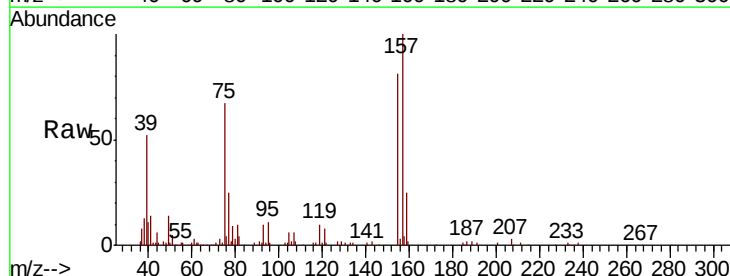
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

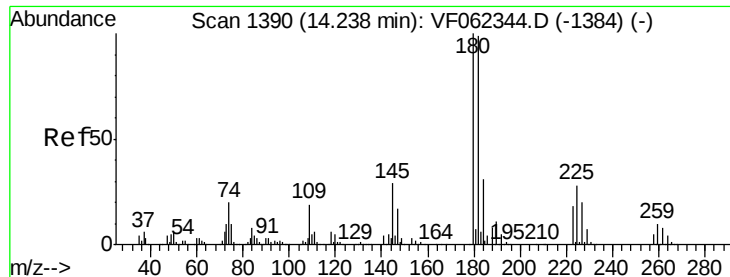
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	65.8	33.1	99.5



#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

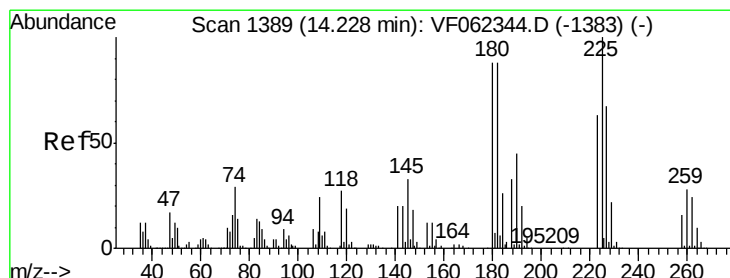
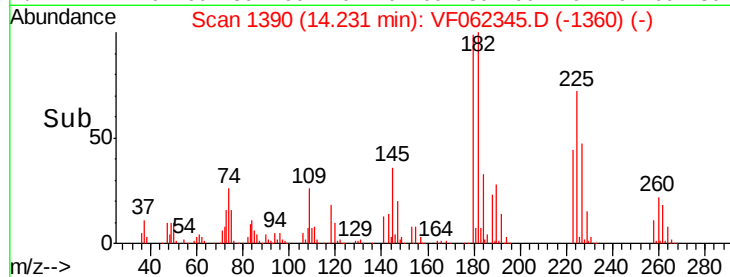
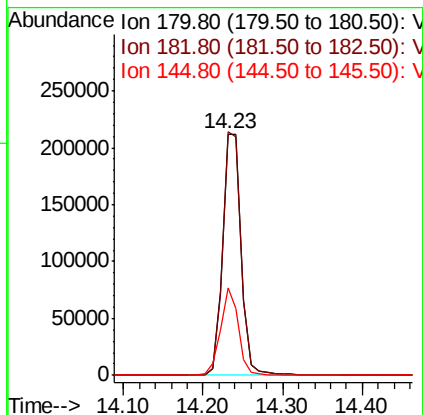
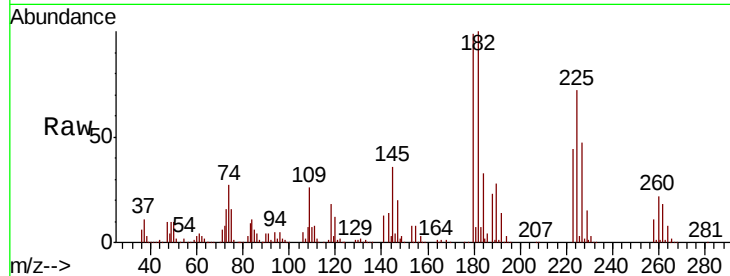




#93
 1,2,4-Trichlorobenzene
 Concen: 55.928 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062345.D
 Acq: 6 May 2019 19:36

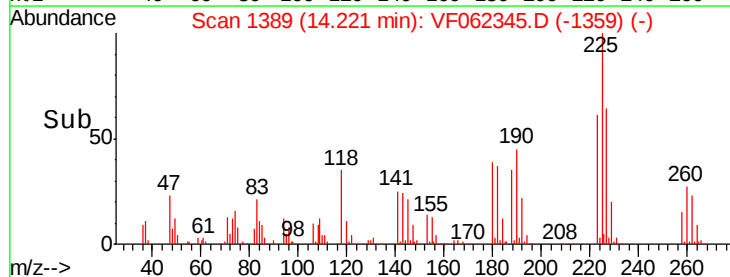
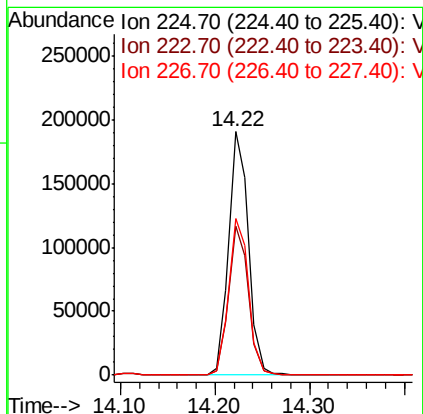
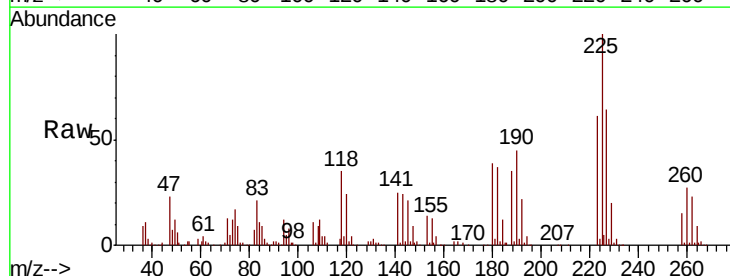
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

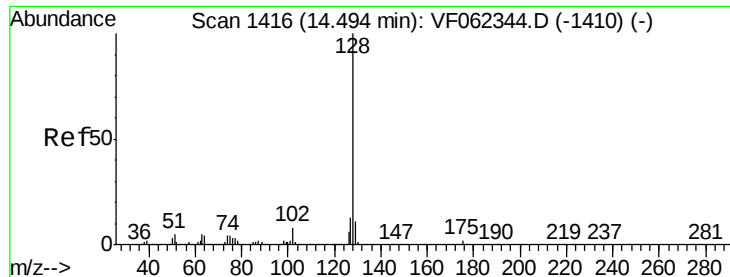
Tot Ion:180 Resp: 349851
 Ion Ratio Lower Upper
 180 100
 182 99.8 49.0 147.0
 145 34.9 16.7 50.1



#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:225 Resp: 275917
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.9 95.5
 227 64.7 33.1 99.5

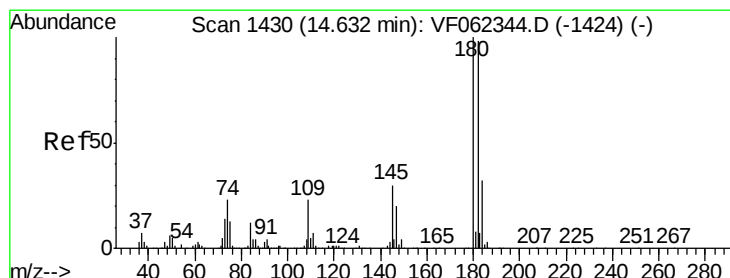
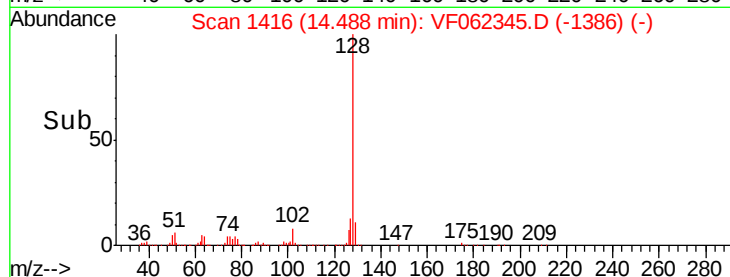
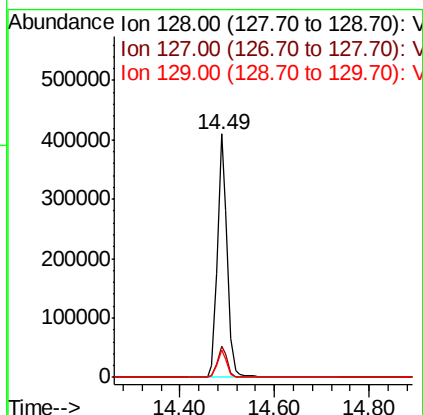
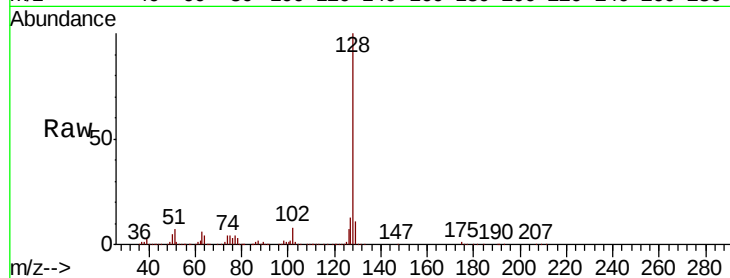




#95
Naphthalene
Concen: 60.025 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062345.D
Acq: 6 May 2019 19:36

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



#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

