

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062623.D
 Acq On : 16 May 2019 12:57
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: May 17 05:04:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	751037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1230459	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	976432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	467183	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	474133	89.34	ug/l	0.00
Spiked Amount			Recovery	=	178.68%	
35) Dibromofluoromethane	4.32	113	832149	88.38	ug/l	0.00
Spiked Amount			Recovery	=	176.76%	
50) Toluene-d8	7.72	98	1942257	86.40	ug/l	0.00
Spiked Amount			Recovery	=	172.80%	
62) 4-Bromofluorobenzene	11.50	95	804277	94.33	ug/l	0.00
Spiked Amount			Recovery	=	188.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	898980	87.959	ug/l	100
3) Chloromethane	1.14	50	842054	89.477	ug/l	97
4) Vinyl Chloride	1.19	62	804289	92.846	ug/l	99
5) Bromomethane	1.40	94	411032	86.734	ug/l	99
6) Chloroethane	1.44	64	263954	82.966	ug/l	91
7) Trichlorofluoromethane	1.56	101	1053502	96.138	ug/l	92
8) Diethyl Ether	1.72	74	207257	89.945	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.91	101	673540	90.941	ug/l	97
10) Methyl Iodide	1.98	142	1326945	91.205	ug/l	97
11) Tert butyl alcohol	2.70	59	172198	491.453	ug/l	99
12) 1,1-Dichloroethene	1.87	96	618841	91.724	ug/l	95
13) Acrolein	2.10	56	181886	497.292	ug/l	99
14) Allyl chloride	2.20	41	738433	111.395	ug/l	97
15) Acrylonitrile	3.10	53	435250	440.369	ug/l	94
16) Acetone	2.35	43	692647	503.064	ug/l	96
17) Carbon Disulfide	1.92	76	1427354	74.248	ug/l	96
18) Methyl Acetate	2.46	43	200577	85.244	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	1170969	97.088	ug/l	100
20) Methylene Chloride	2.34	84	407932	59.453	ug/l	97
21) trans-1,2-Dichloroethene	2.43	96	618394	93.775	ug/l	93
22) Diisopropyl ether	2.94	45	1412981	93.822	ug/l	97
23) Vinyl Acetate	3.35	43	4444838	437.517	ug/l	97
24) 1,1-Dichloroethane	3.02	63	1011859	91.586	ug/l	99
25) 2-Butanone	4.52	43	1401272	476.356	ug/l	97
26) 2,2-Dichloropropane	3.78	77	608016	96.184	ug/l	87
27) cis-1,2-Dichloroethene	3.65	96	1004430	92.598	ug/l	97
28) Bromochloromethane	3.90	49	563050	90.868	ug/l	98
29) Tetrahydrofuran	4.27	42	536251	450.486	ug/l	99
30) Chloroform	4.05	83	1352807	88.192	ug/l	99
31) Cyclohexane	3.87	56	1368922	99.525	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	974691	95.678	ug/l	99
36) 1,1-Dichloropropene	4.48	75	1177446	93.386	ug/l	98
37) Ethyl Acetate	4.31	43	447459	86.918	ug/l	91
38) Carbon Tetrachloride	4.19	117	1128075	126.990	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	1381856	91.085	ug/l	96
40) Benzene	4.83	78	3038641	88.464	ug/l	99
41) Methacrylonitrile	4.94	41	242496	89.848	ug/l	94
42) 1,2-Dichloroethane	5.14	62	640090	93.448	ug/l	96
43) Isopropyl Acetate	7.12	43	589150	88.335	ug/l #	97
44) Trichloroethene	5.69	130	855695	88.638	ug/l	96
45) 1,2-Dichloropropane	6.42	63	788398	90.925	ug/l	99
46) Dibromomethane	6.27	93	474870	94.763	ug/l	98
47) Bromodichloromethane	6.56	83	971702	93.405	ug/l	99
48) Methyl methacrylate	6.88	41	327212	93.864	ug/l	96
49) 1,4-Dioxane	6.88	88	83520	1870.605	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	1912002	419.405	ug/l	97
52) Toluene	7.79	92	1672248	92.830	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	804608	94.537	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	1124624	94.396	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	508302	95.300	ug/l	99
56) Ethyl methacrylate	8.76	69	583020	91.750	ug/l	94
57) 1,3-Dichloropropane	9.00	76	862564	94.945	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	1001935	484.406	ug/l	96
59) 2-Hexanone	9.63	43	1424116	427.258	ug/l	93
60) Dibromochloromethane	8.86	129	692432	99.608	ug/l	97
61) 1,2-Dibromoethane	9.14	107	557907	98.480	ug/l	99
64) Tetrachloroethene	8.31	164	699375	90.410	ug/l	98
65) Chlorobenzene	9.94	112	1706692	88.992	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	691930	89.873	ug/l	98
67) Ethyl Benzene	10.04	91	2784792	83.586	ug/l	97
68) m/p-Xylenes	10.26	106	2151513	171.821	ug/l	97
69) o-Xylene	10.82	106	1189953	92.262	ug/l	88
70) Styrene	10.89	104	1822499	92.968	ug/l	98
71) Bromoform	10.88	173	401285	104.069	ug/l	100
73) Isopropylbenzene	11.22	105	2968806	88.664	ug/l	96
74) N-amyl acetate	11.45	43	821824	79.558	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	635579	92.882	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	394518	87.745	ug/l	91
77) Bromobenzene	11.58	156	797493	95.818	ug/l	98
78) n-propylbenzene	11.68	91	3324838	83.903	ug/l	95
79) 2-Chlorotoluene	11.80	91	1911534	85.595	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	2241635	83.491	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	243586	97.510	ug/l	93
82) 4-Chlorotoluene	11.98	91	1942443	88.202	ug/l	98
83) tert-Butylbenzene	12.20	119	2342589	86.000	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	2239379	86.176	ug/l	92
85) sec-Butylbenzene	12.37	105	3106706	84.985	ug/l	96
86) p-Isopropyltoluene	12.52	119	2629937	85.367	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	1308224	86.879	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	1225530	86.727	ug/l	98
89) n-Butylbenzene	12.90	91	2489559	81.961	ug/l	95
90) Hexachloroethane	12.97	117	703217	95.153	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	1181058	87.990	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.69	75	84213	103.161	ug/l	83

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Quant Title : SW846 8260
QLast Update : Fri May 17 04:56:17 2019
Response via : Initial Calibration

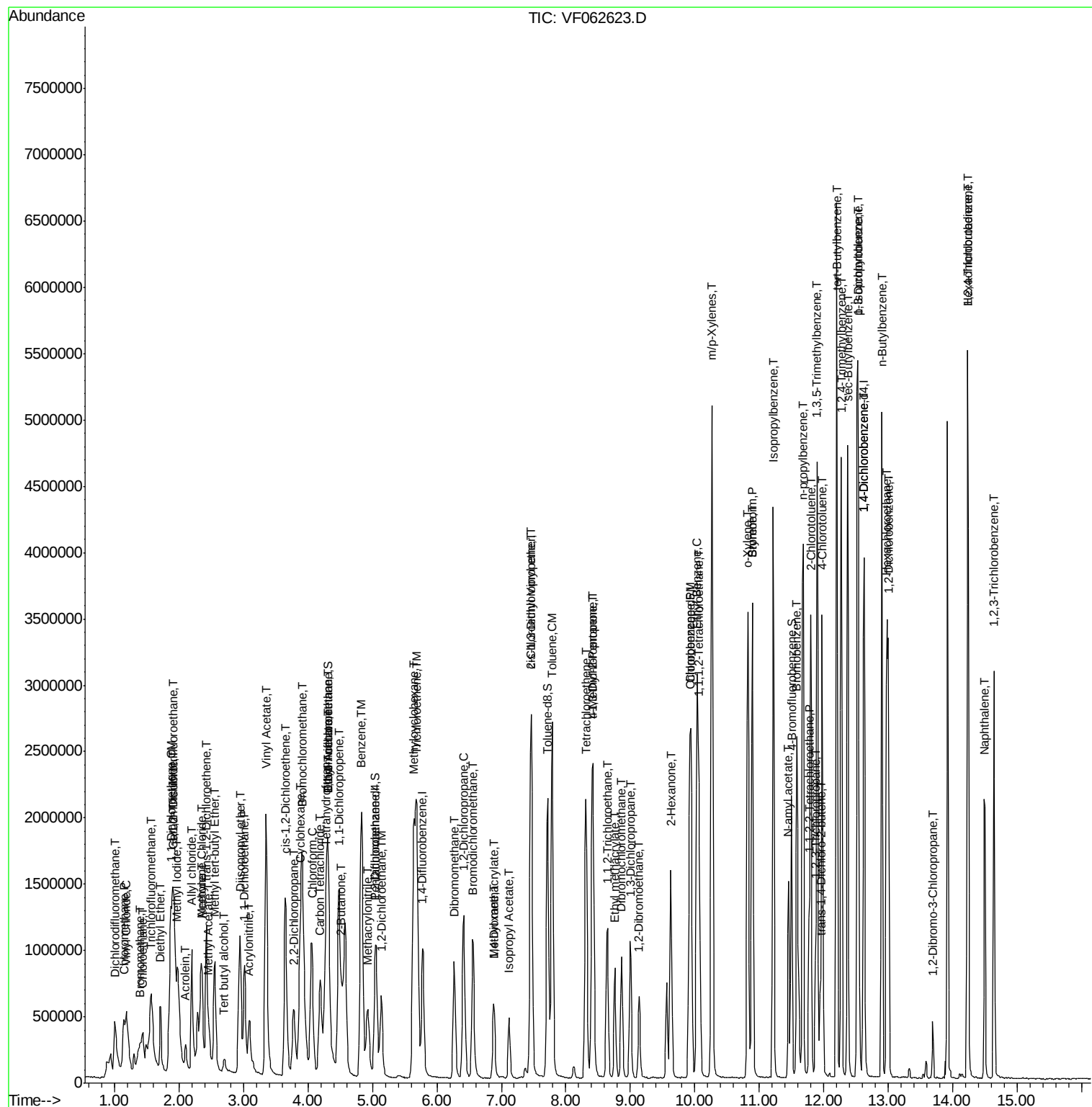
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	861635	89.680	ug/l	96
94) Hexachlorobutadiene	14.23	225	643733	96.007	ug/l	96
95) Naphthalene	14.50	128	1681957	96.361	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	913556	100.383	ug/l	97

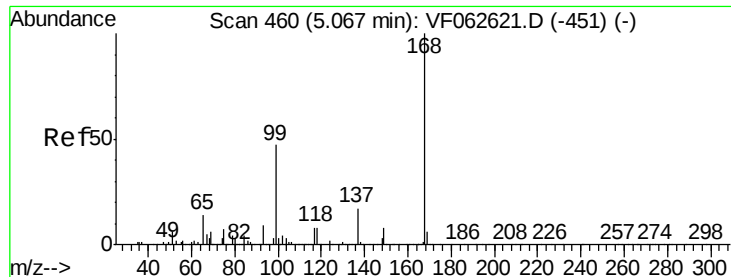
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051619\
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

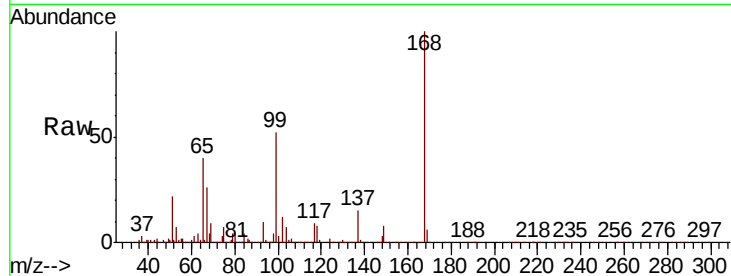
VSTDIC100

Tot Ion:168 Resp: 751037

Ion Ratio Lower Upper

168 100

99 52.2 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

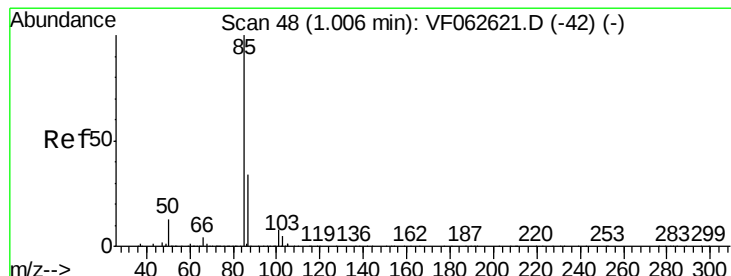
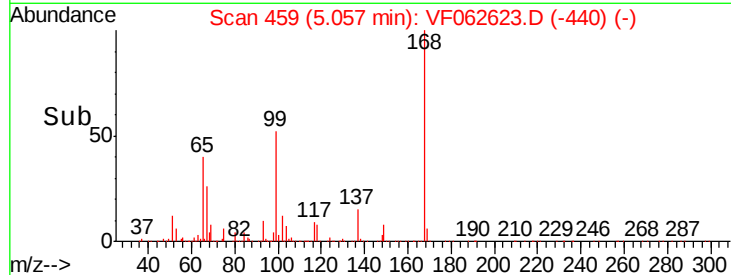
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 87.959 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062623.D

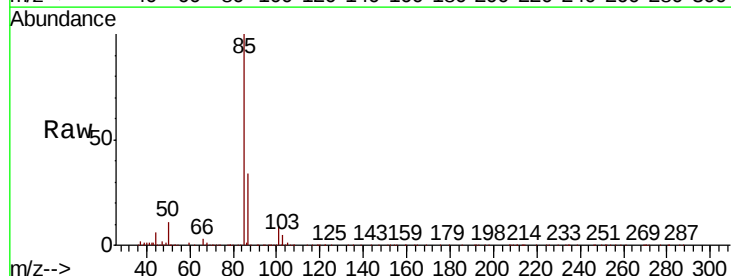
Acq: 16 May 2019 12:57

Tgt Ion: 85 Resp: 898980

Ion Ratio Lower Upper

85 100

87 33.6 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

250000

200000

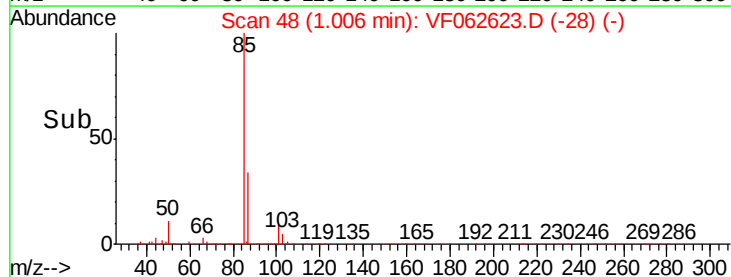
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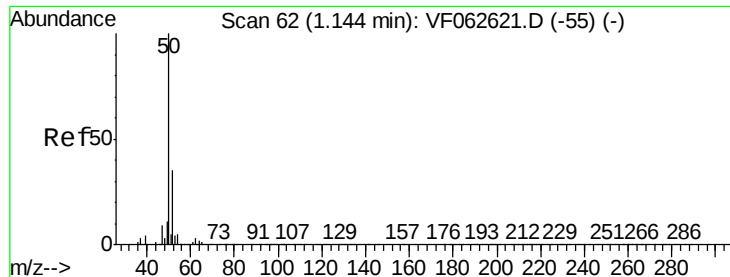
100000

50000

0

Time-->





#3

Chloromethane

Concen: 89.477 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

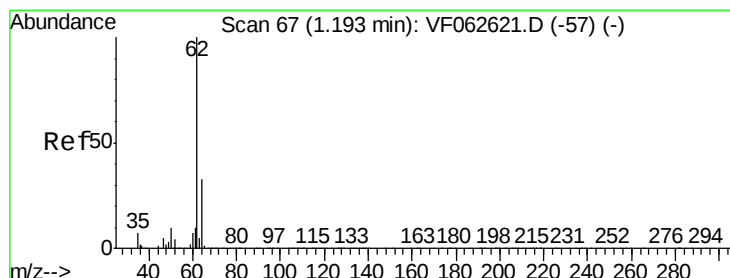
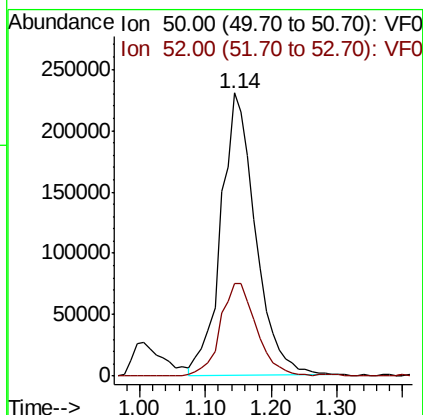
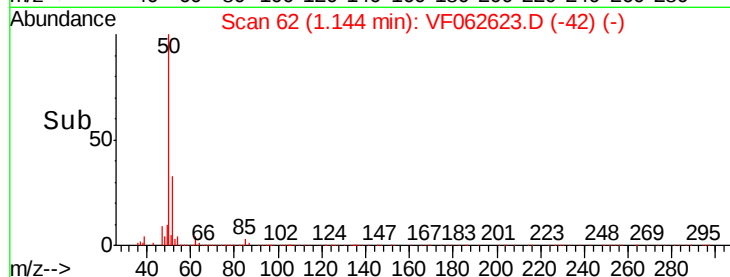
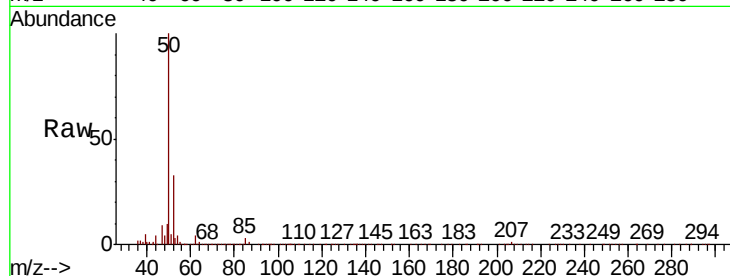
VSTDIC100

Tot Ion: 50 Resp: 842054

Ion Ratio Lower Upper

50 100

52 32.7 27.5 41.3



#4

Vinyl Chloride

Concen: 92.846 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062623.D

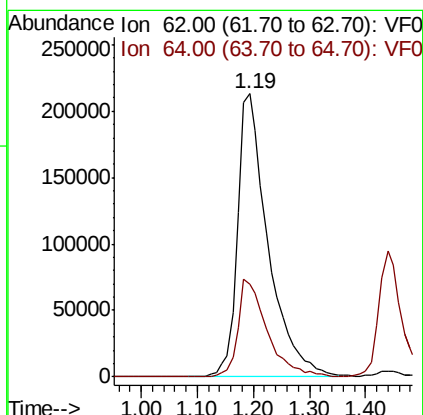
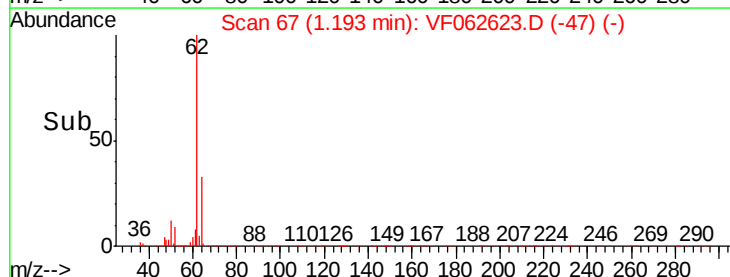
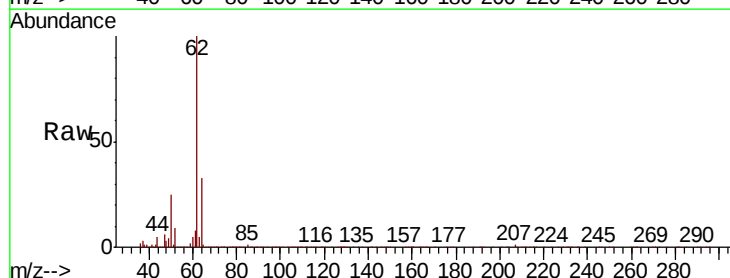
Acq: 16 May 2019 12:57

Tgt Ion: 62 Resp: 804289

Ion Ratio Lower Upper

62 100

64 32.9 26.7 40.1





#5

Bromomethane

Concen: 86.734 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

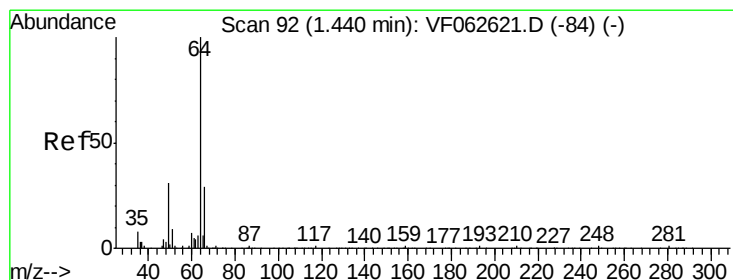
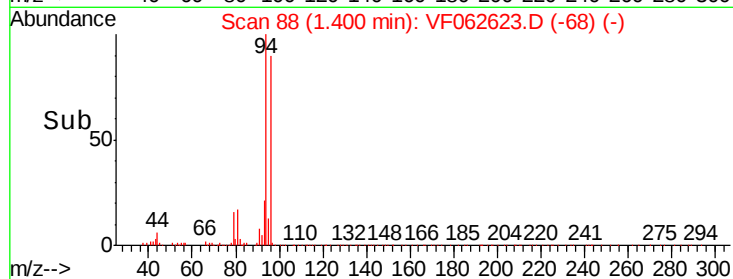
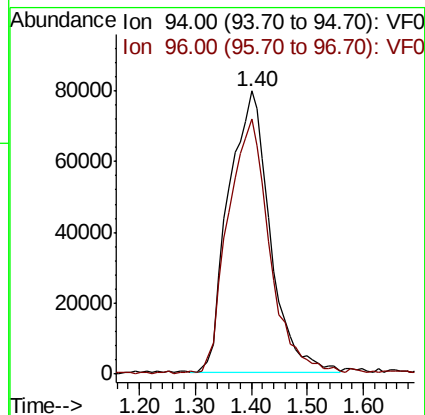
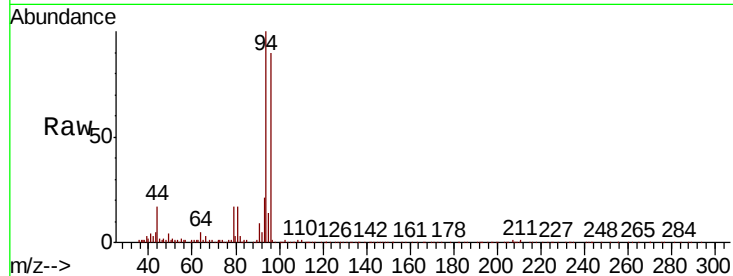
VSTDIC100

Tot Ion: 94 Resp: 411032

Ion Ratio Lower Upper

94 100

96 90.1 73.2 109.8



#6

Chloroethane

Concen: 82.966 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062623.D

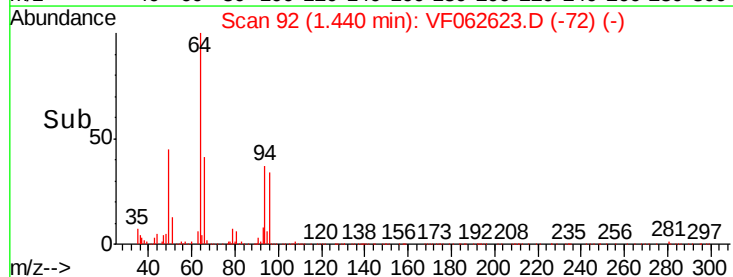
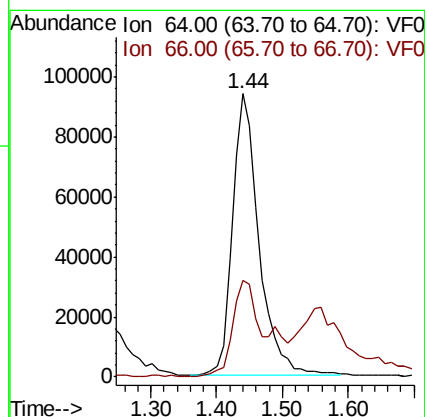
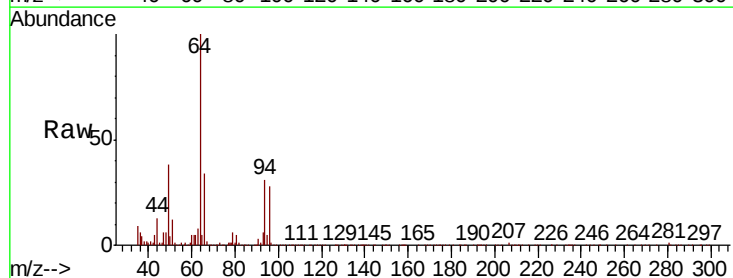
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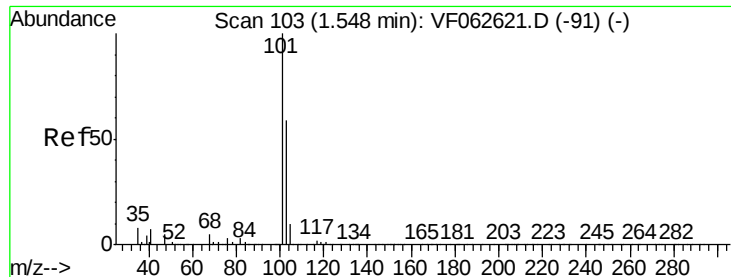
Tgt Ion: 64 Resp: 263954

Ion Ratio Lower Upper

64 100

66 34.2 23.4 35.2



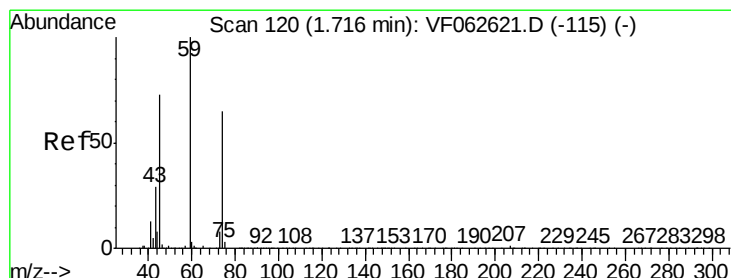
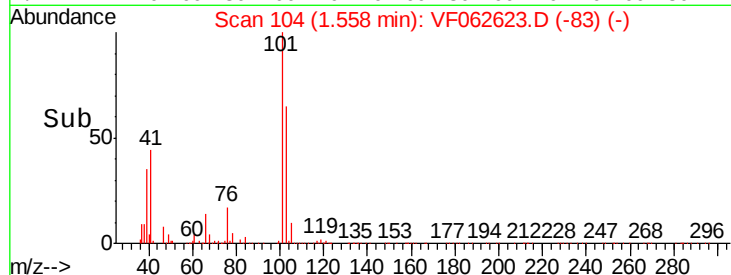
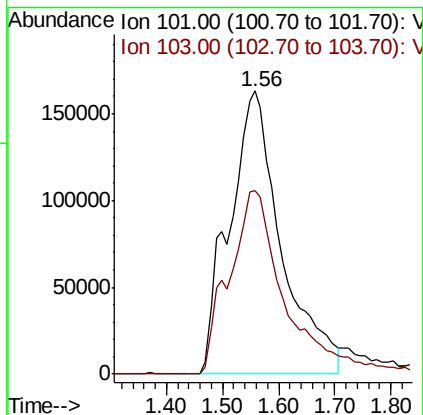
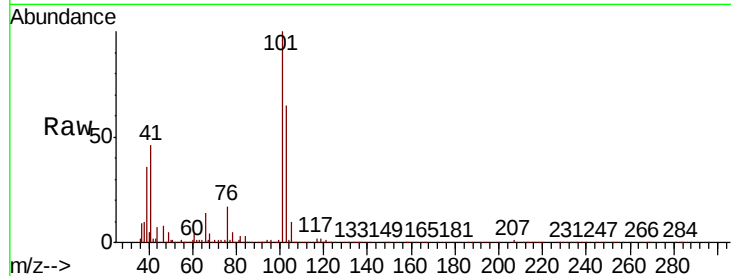


#7

Trichlorofluoromethane
Concen: 96.138 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
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ClientSampleId :
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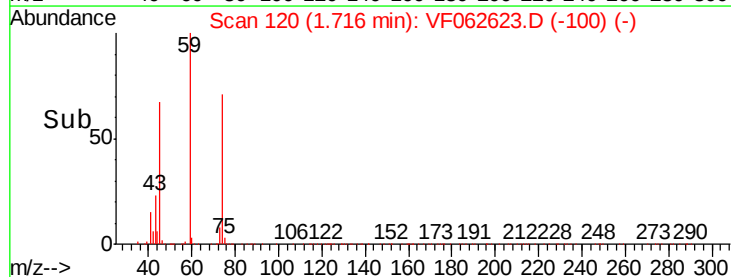
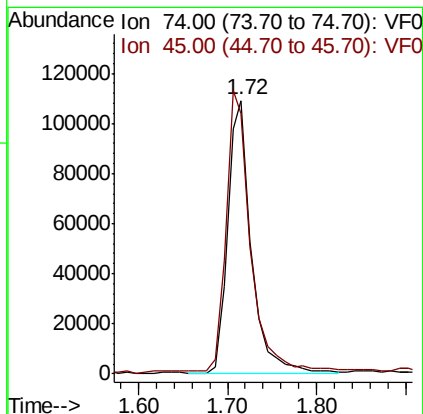
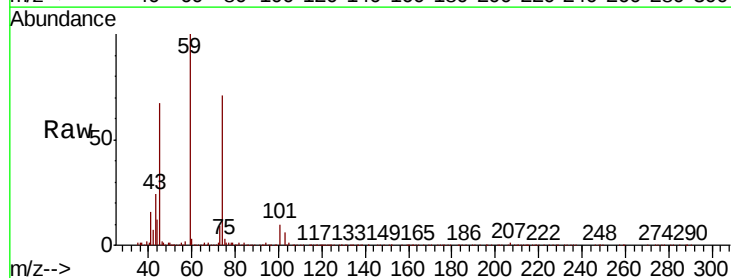
Tot Ion:101 Resp: 1053502
Ion Ratio Lower Upper
101 100
103 64.9 47.3 70.9

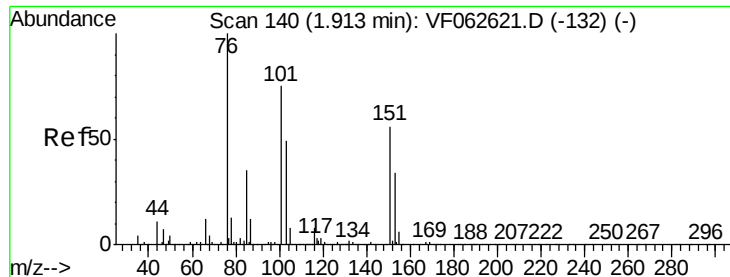


#8

Diethyl Ether
Concen: 89.945 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion: 74 Resp: 207257
Ion Ratio Lower Upper
74 100
45 94.9 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.941 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

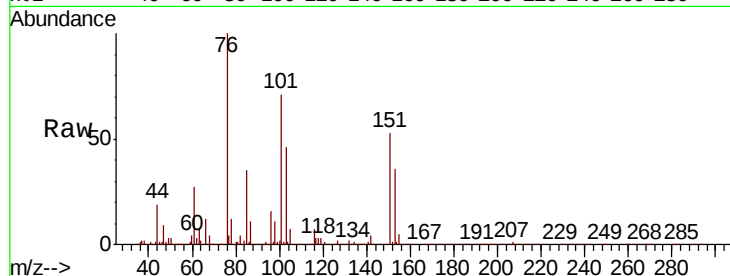
Tot Ion:101 Resp: 673540

Ion Ratio Lower Upper

101 100

85 49.2 37.1 55.7

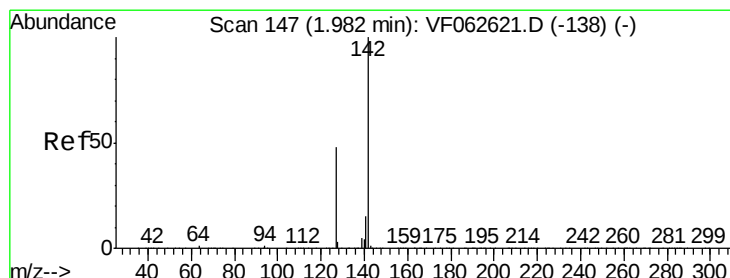
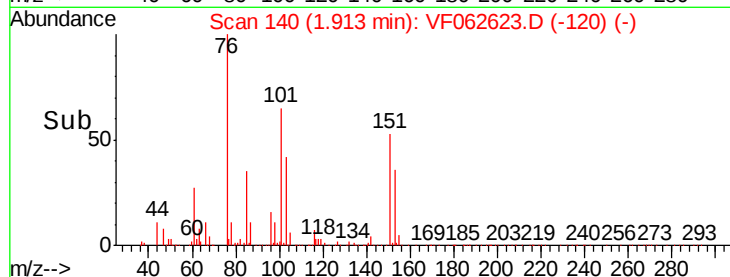
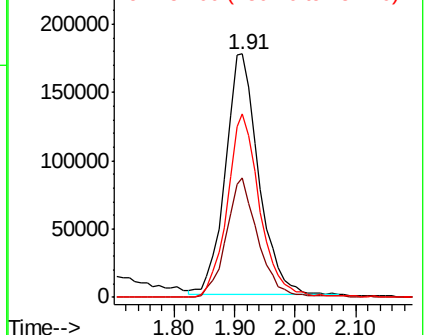
151 75.1 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 91.205 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

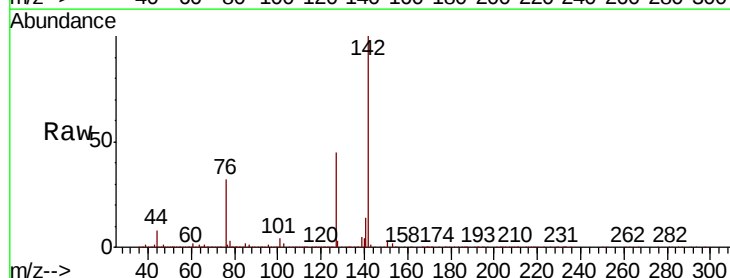
Tgt Ion:142 Resp: 1326945

Ion Ratio Lower Upper

142 100

127 44.9 38.1 57.1

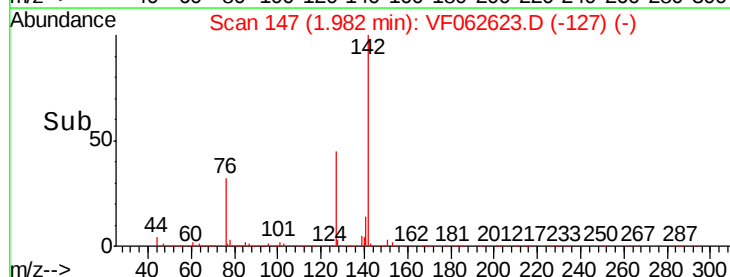
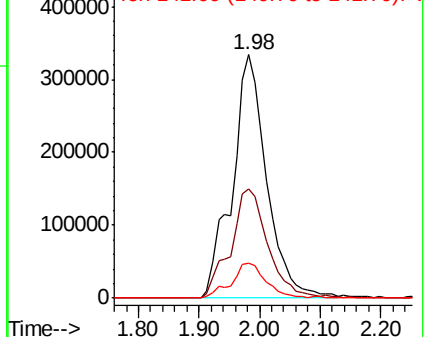
141 14.1 11.7 17.5

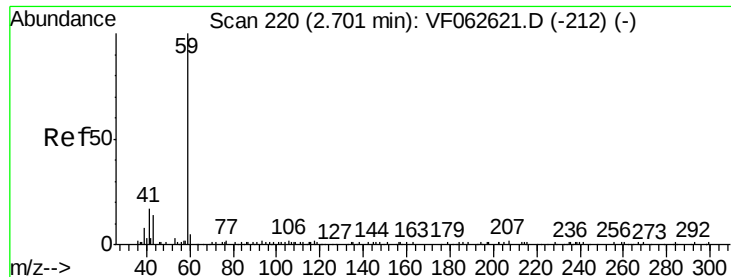


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



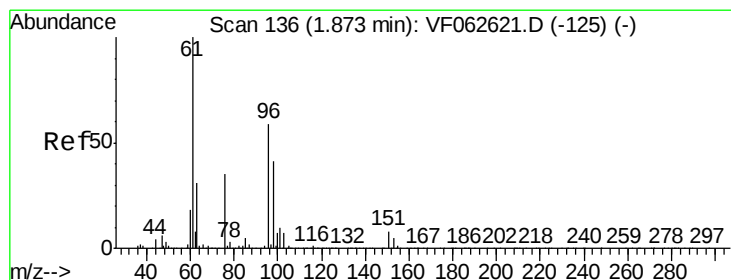
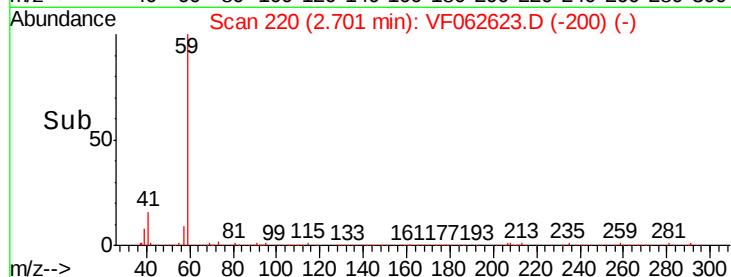
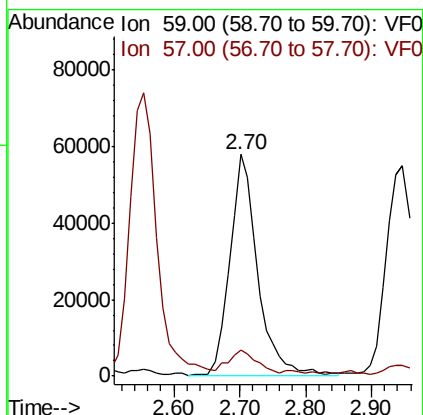
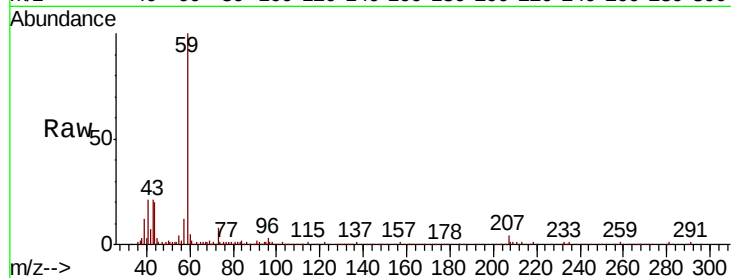


#11

Tert butyl alcohol
 Concen: 491.453 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

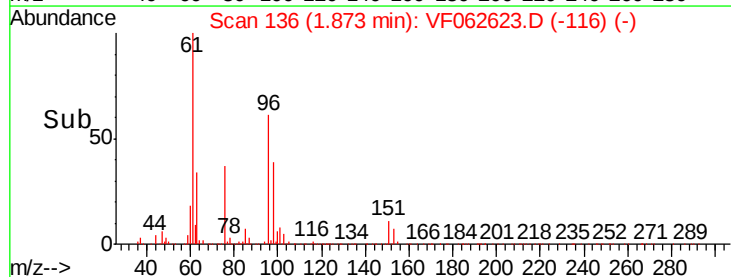
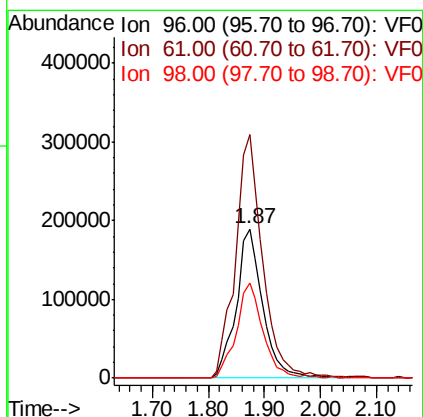
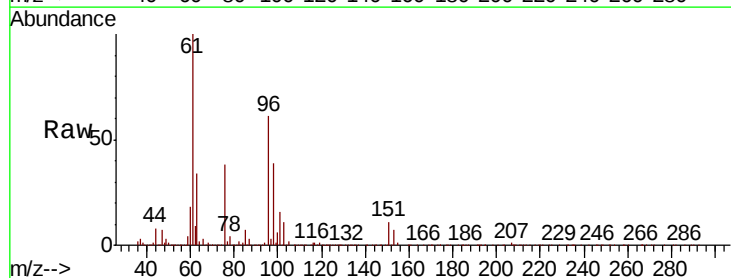
Tot Ion: 59 Resp: 172198
 Ion Ratio Lower Upper
 59 100
 57 12.0 9.3 13.9

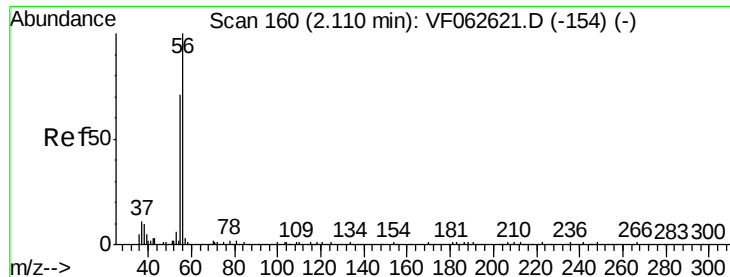


#12

1,1-Dichloroethene
 Concen: 91.724 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion: 96 Resp: 618841
 Ion Ratio Lower Upper
 96 100
 61 162.8 134.3 201.5
 98 63.6 55.0 82.6





#13

Acrolein

Concen: 497.292 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

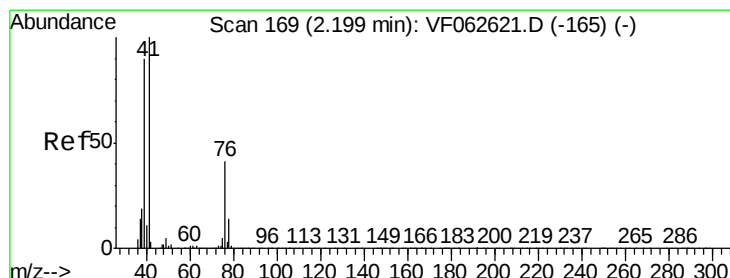
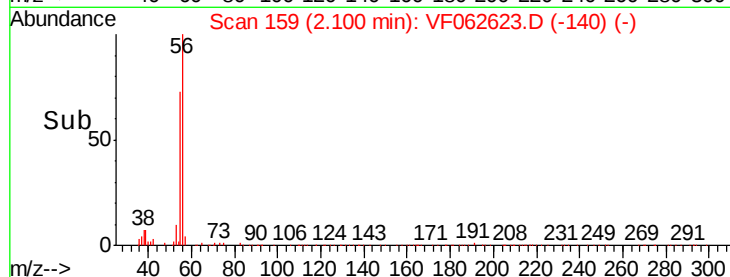
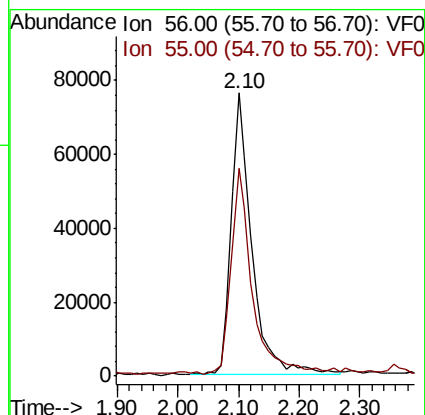
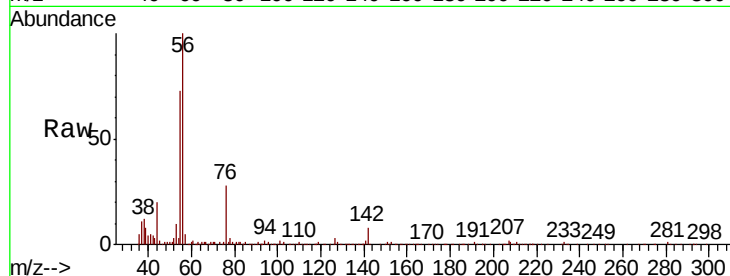
VSTDIC100

Tot Ion: 56 Resp: 181886

Ion Ratio Lower Upper

56 100

55 73.3 59.4 89.0



#14

Allyl chloride

Concen: 111.395 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

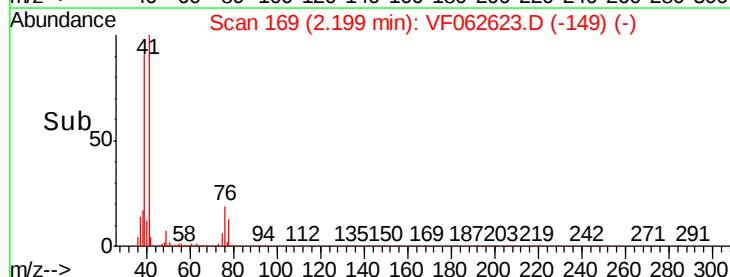
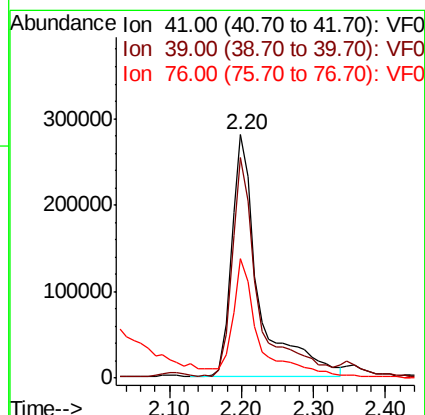
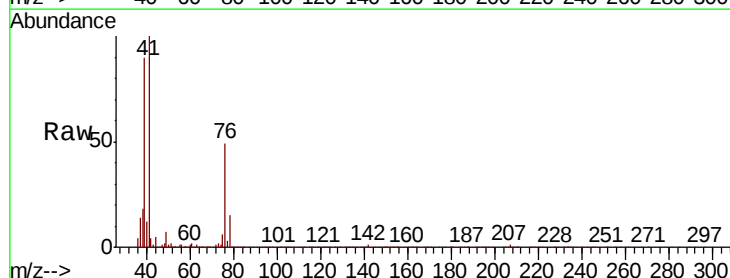
Tgt Ion: 41 Resp: 738433

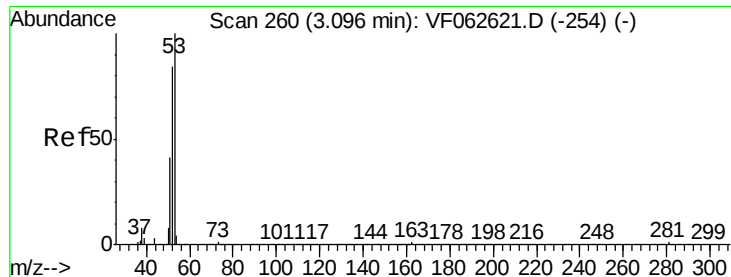
Ion Ratio Lower Upper

41 100

39 90.4 72.0 108.0

76 48.9 34.8 52.2





#15

Acrylonitrile

Concen: 440.369 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

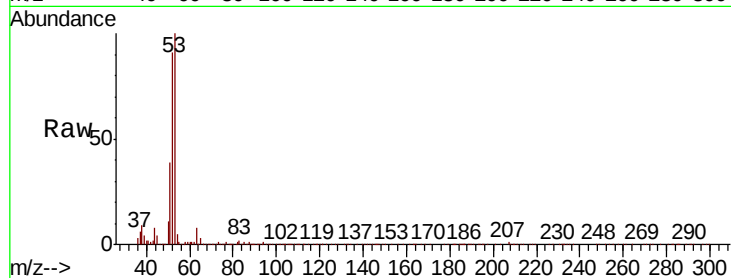
MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 435250

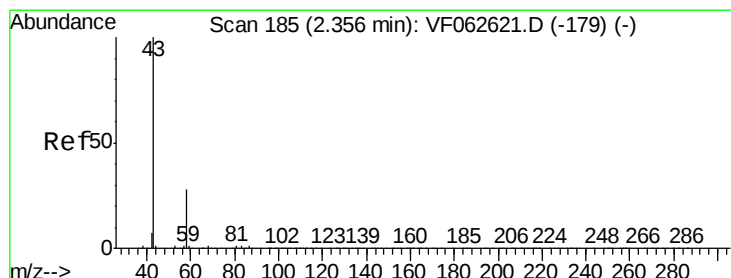
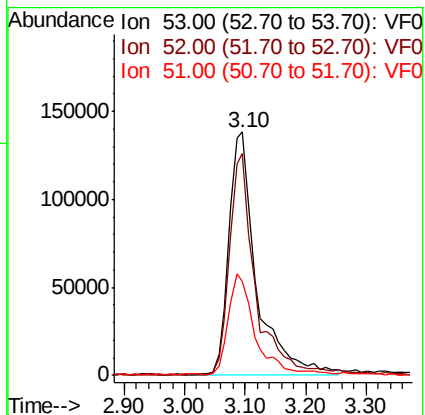
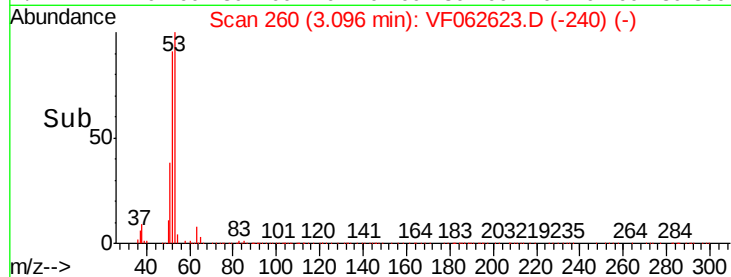
Ion	Ratio	Lower	Upper
53	100		
52	91.0	67.3	100.9
51	38.8	33.0	49.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 503.064 ug/l

RT: 2.35 min Scan# 184

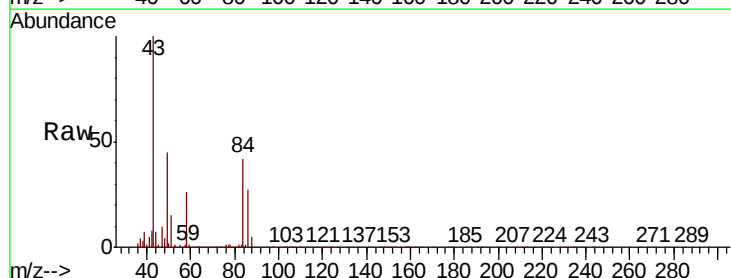
Delta R.T. -0.01 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

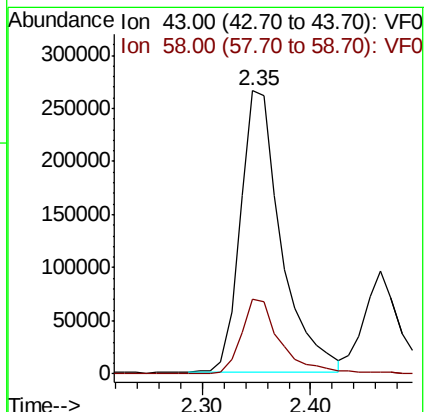
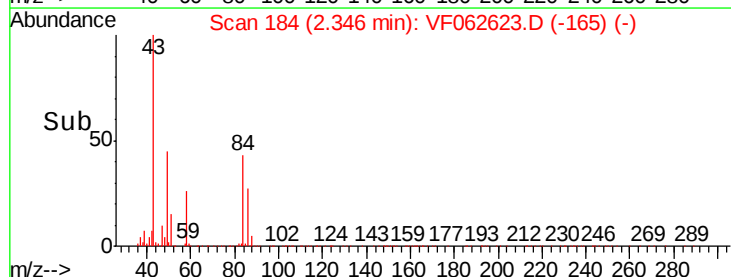
Tgt Ion: 43 Resp: 692647

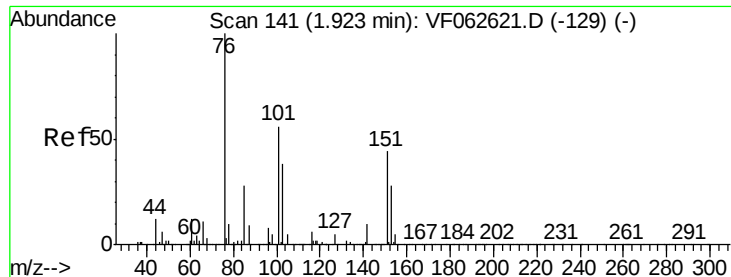
Ion	Ratio	Lower	Upper
43	100		
58	26.3	22.6	33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

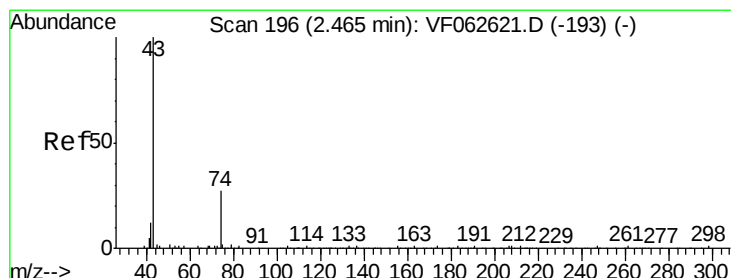
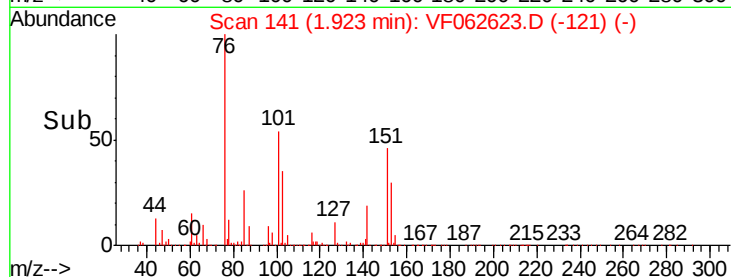
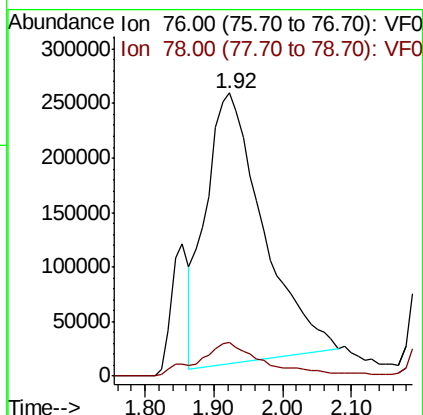
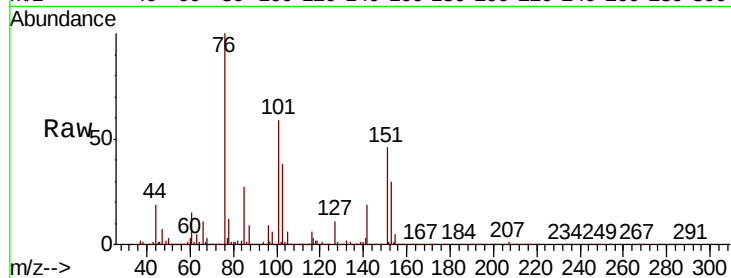




#17
Carbon Disulfide
Concen: 74.248 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

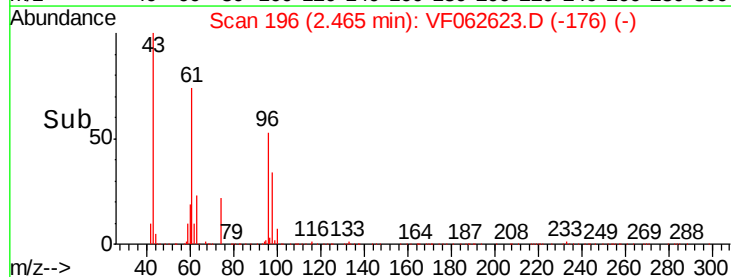
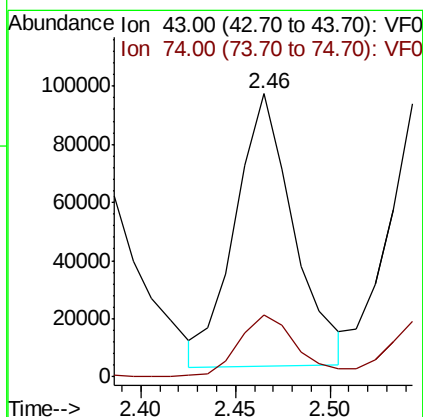
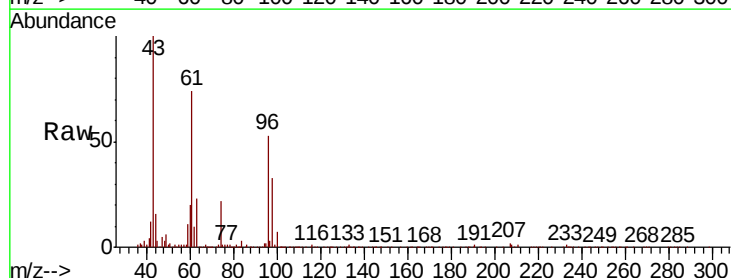
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

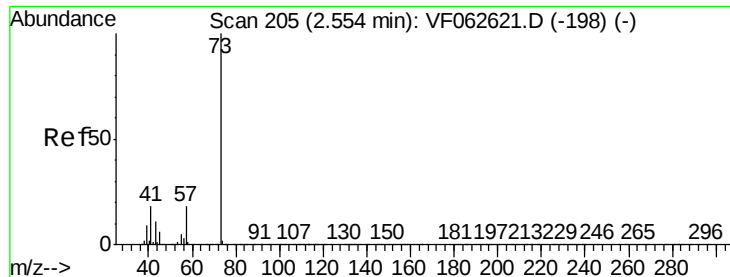
Tot Ion: 76 Resp: 1427354
Ion Ratio Lower Upper
76 100
78 11.9 8.4 12.6



#18
Methyl Acetate
Concen: 85.244 ug/l
RT: 2.46 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion: 43 Resp: 200577
Ion Ratio Lower Upper
43 100
74 21.9 18.9 28.3



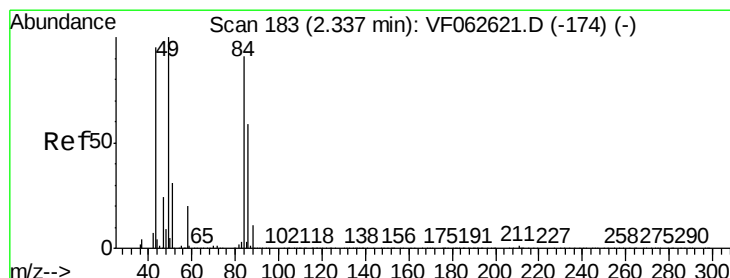
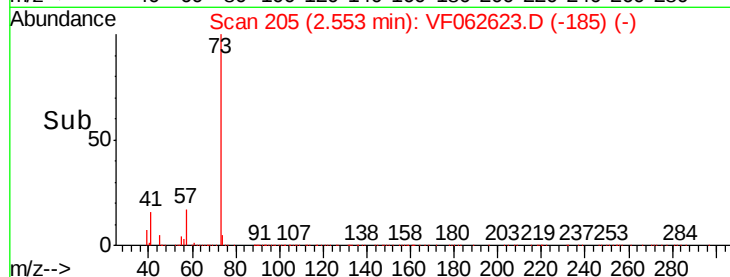
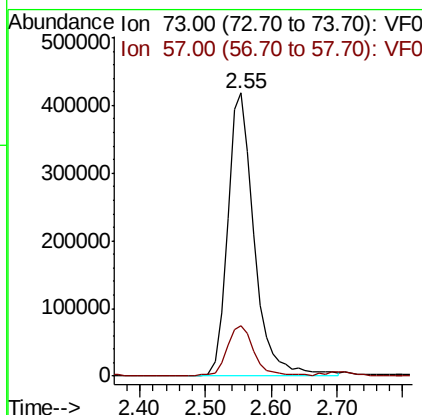
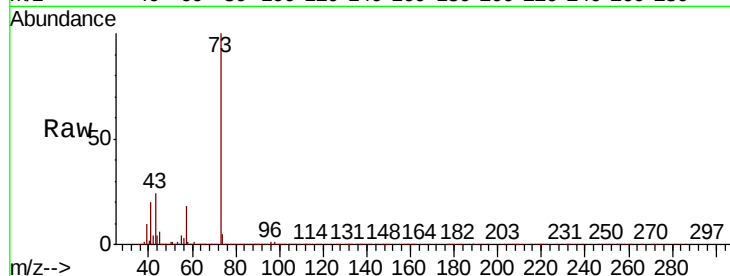


#19

Methyl tert-butyl Ether
 Concen: 97.088 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

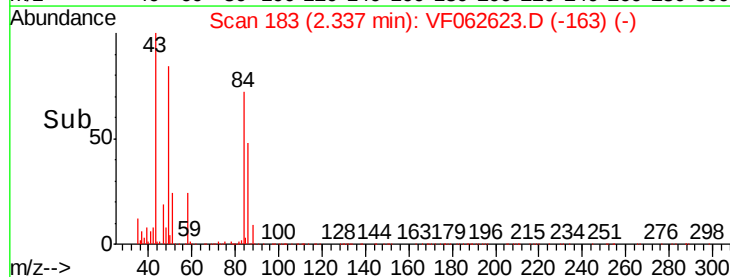
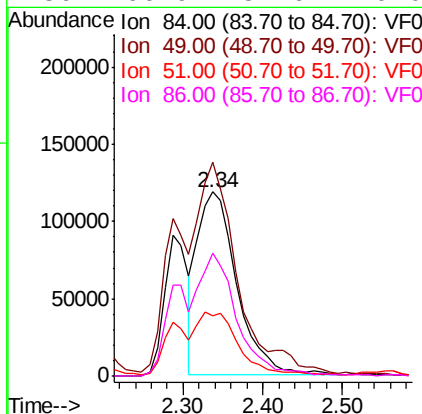
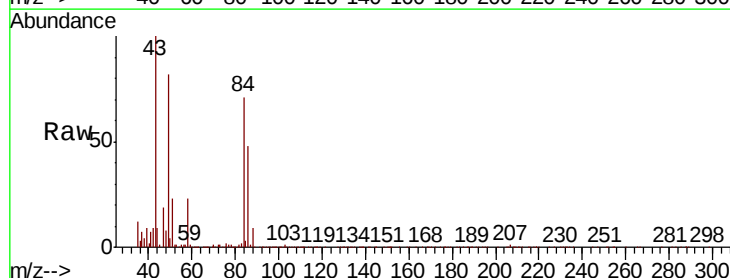
Tot Ion: 73 Resp: 1170969
 Ion Ratio Lower Upper
 73 100
 57 17.7 14.2 21.4

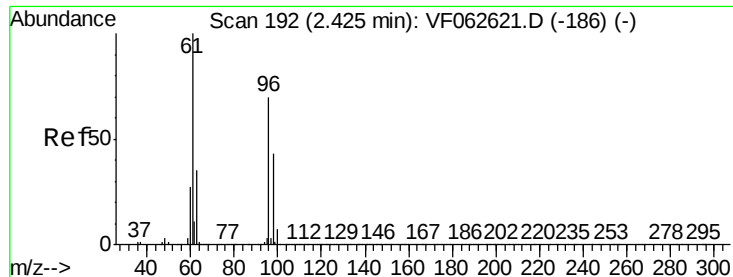


#20

Methylene Chloride
 Concen: 59.453 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion: 84 Resp: 407932
 Ion Ratio Lower Upper
 84 100
 49 115.9 89.8 134.8
 51 32.7 28.4 42.6
 86 66.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 93.775 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

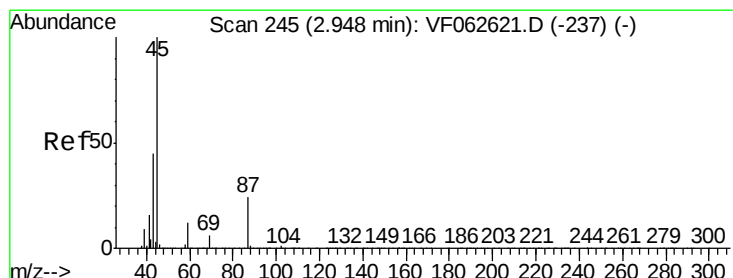
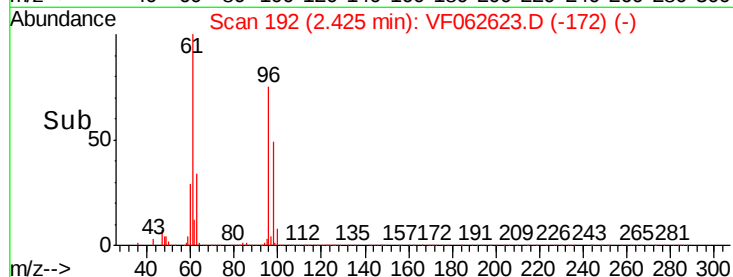
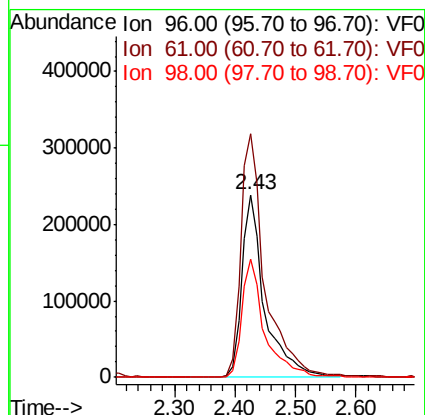
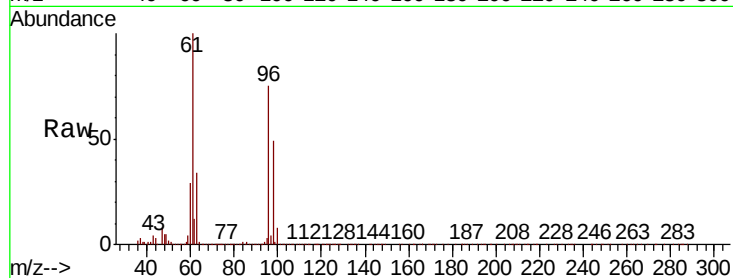
Tot Ion: 96 Resp: 618394

Ion Ratio Lower Upper

96 100

61 133.3 114.6 171.8

98 64.9 49.5 74.3



#22

Diisopropyl ether

Concen: 93.822 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Tgt Ion: 45 Resp: 1412981

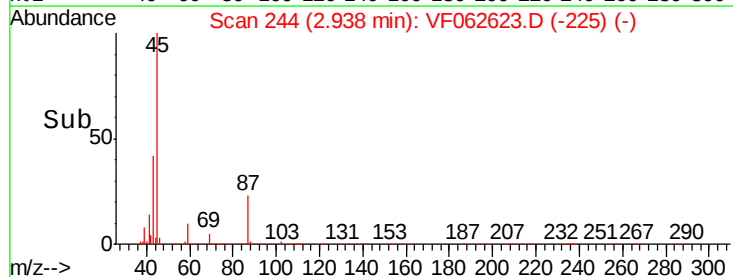
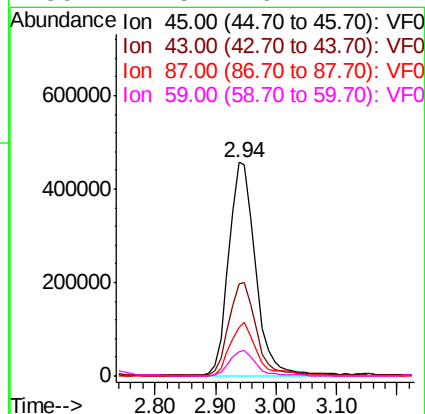
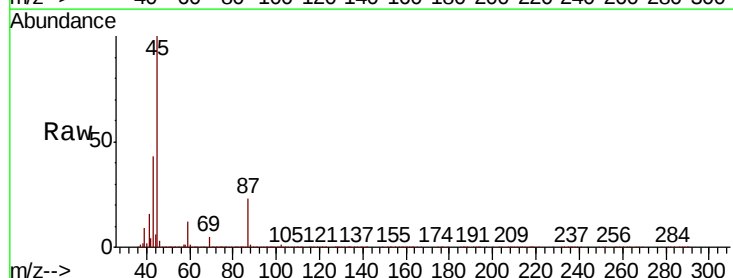
Ion Ratio Lower Upper

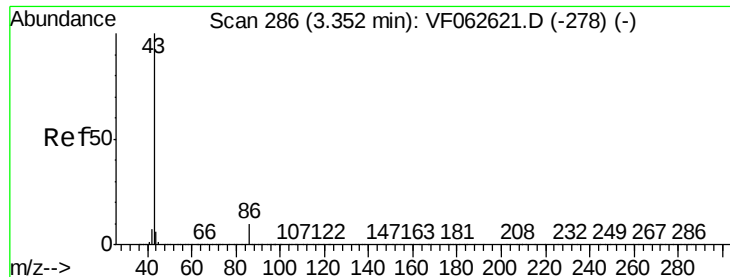
45 100

43 43.3 36.4 54.6

87 22.5 19.3 28.9

59 11.5 9.4 14.2





#23

Vinyl Acetate

Concen: 437.517 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

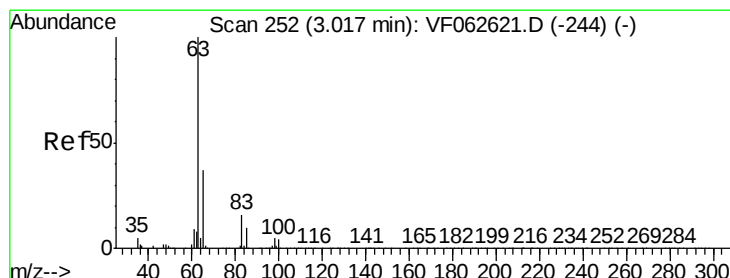
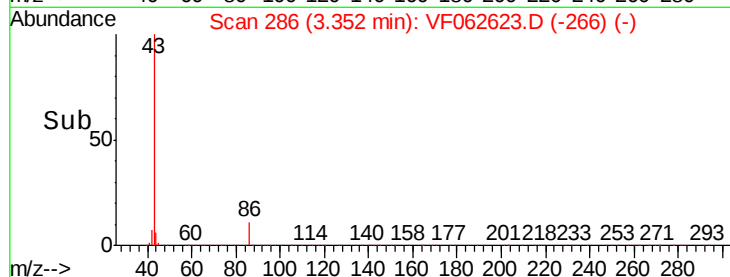
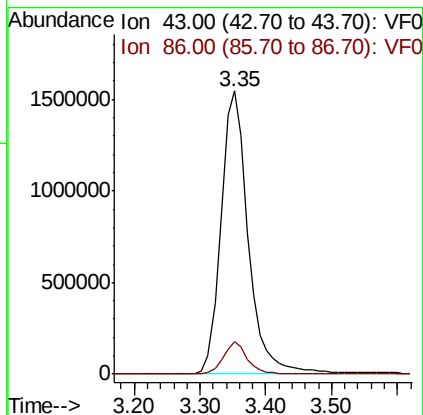
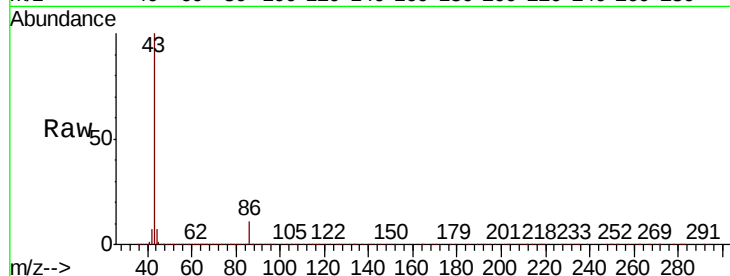
VSTDIC100

Tot Ion: 43 Resp: 4444838

Ion Ratio Lower Upper

43 100

86 11.4 8.2 12.2



#24

1,1-Dichloroethane

Concen: 91.586 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

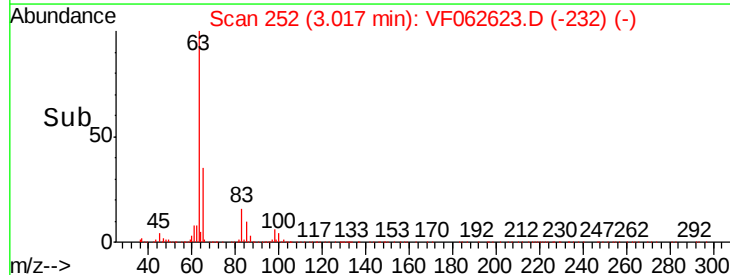
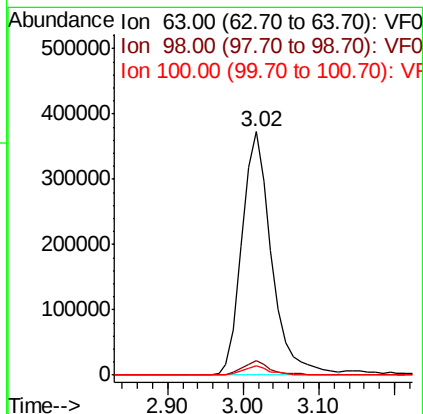
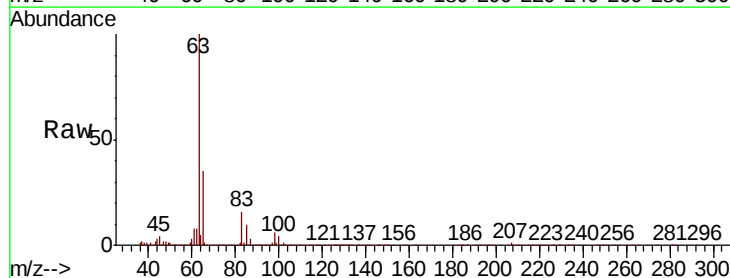
Tgt Ion: 63 Resp: 1011859

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

100 3.9 1.9 5.7





#25

2-Butanone

Concen: 476.356 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

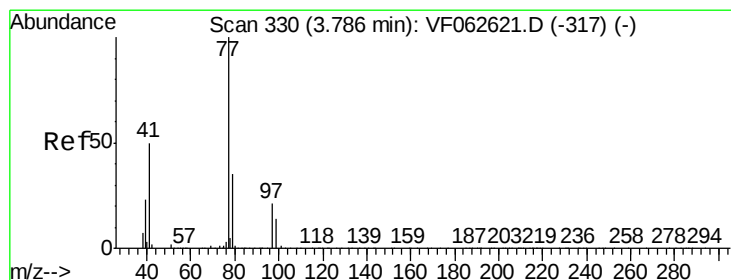
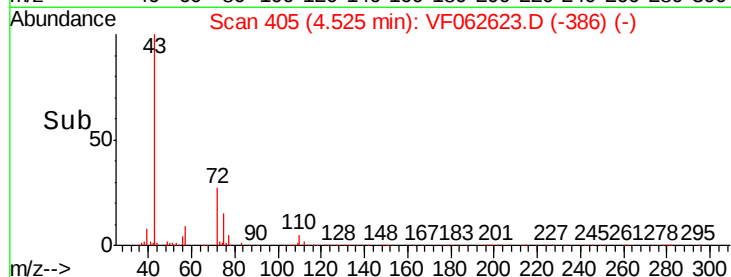
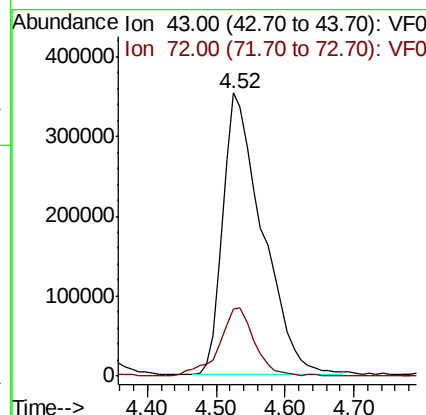
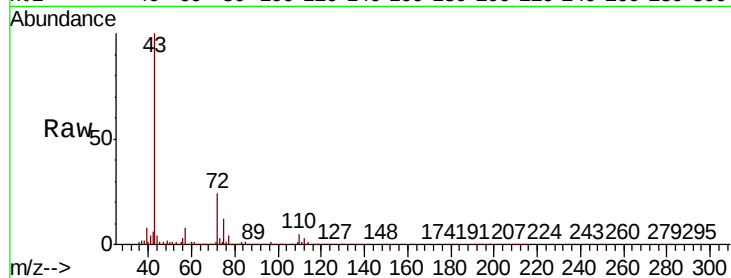
VSTDIC100

Tot Ion: 43 Resp: 1401272

Ion Ratio Lower Upper

43 100

72 23.8 20.1 30.1



#26

2,2-Dichloropropane

Concen: 96.184 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF062623.D

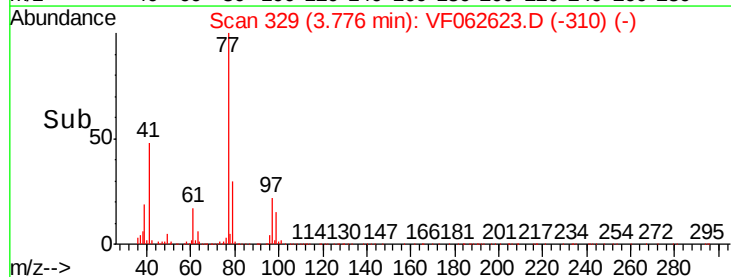
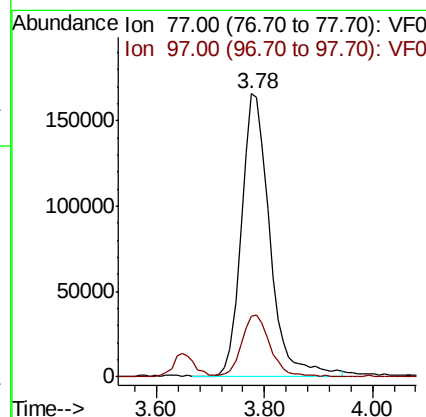
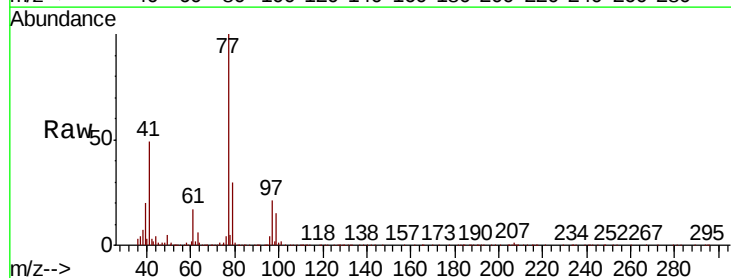
Acq: 16 May 2019 12:57

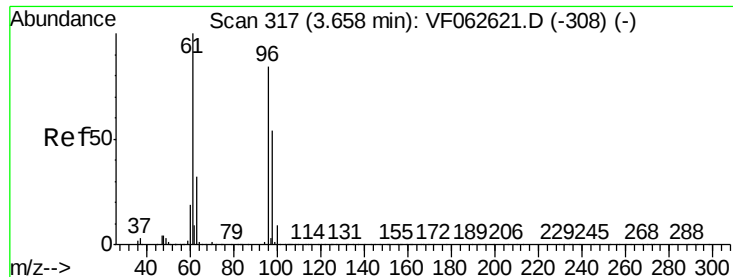
Tgt Ion: 77 Resp: 608016

Ion Ratio Lower Upper

77 100

97 21.5 14.1 42.4



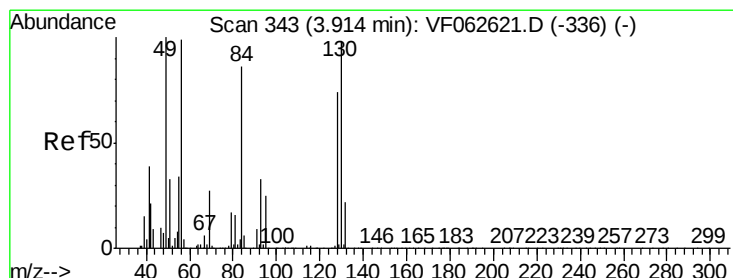
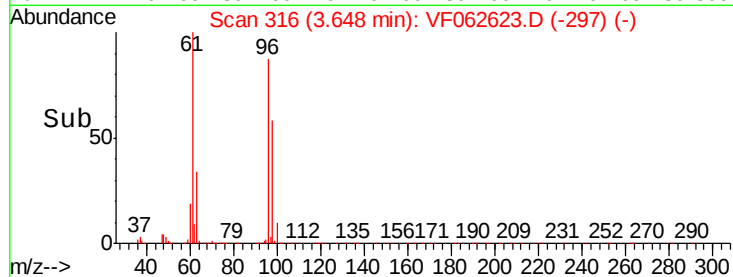
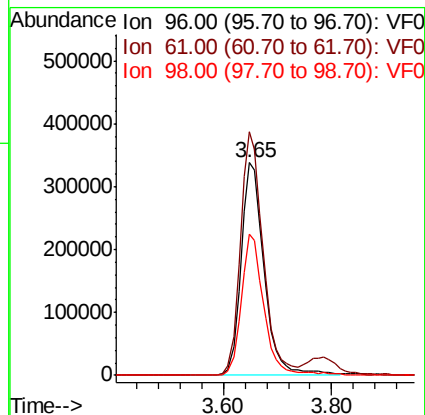
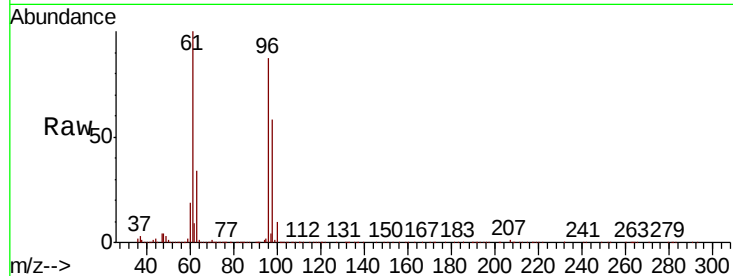


#27

cis-1,2-Dichloroethene
Concen: 92.598 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

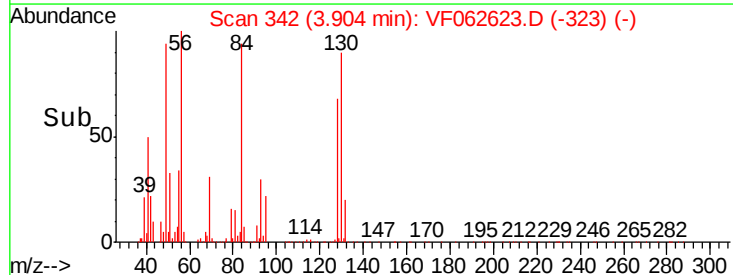
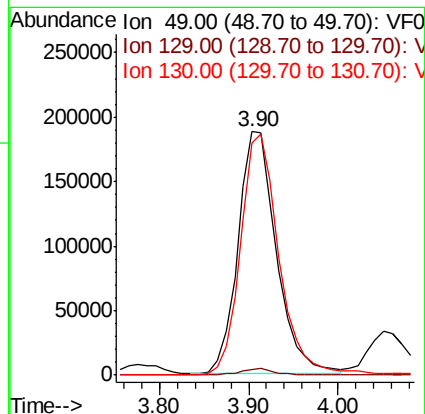
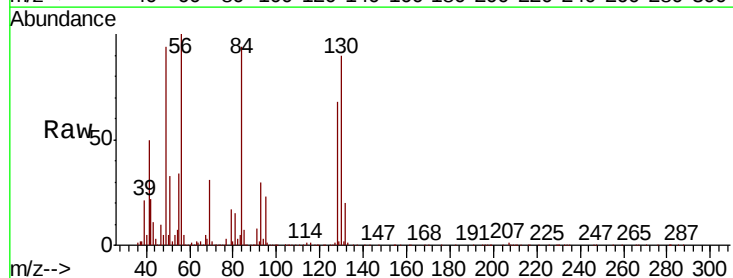
Tot Ion: 96 Resp: 1004430
Ion Ratio Lower Upper
96 100
61 114.6 0.0 237.4
98 66.2 0.0 129.0

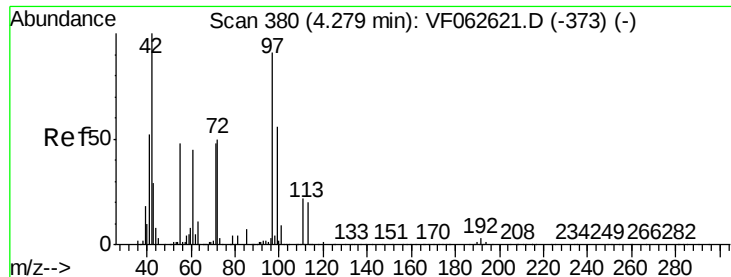


#28

Bromochloromethane
Concen: 90.868 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion: 49 Resp: 563050
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.0
130 95.4 77.8 116.8

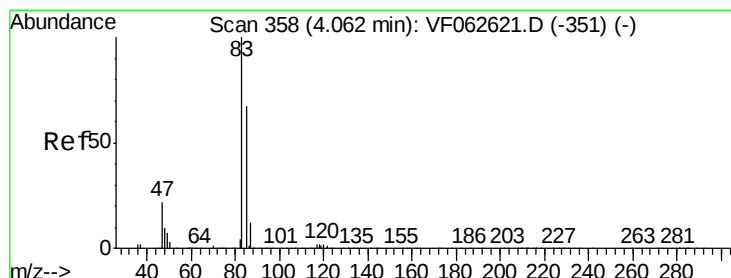
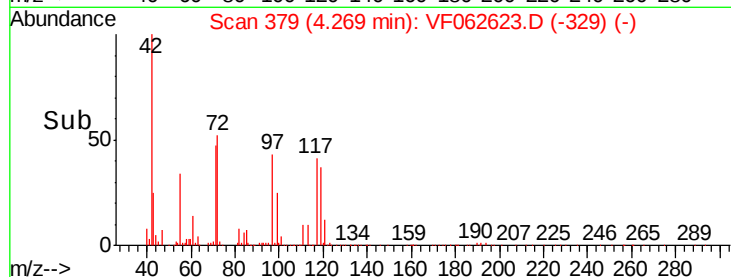
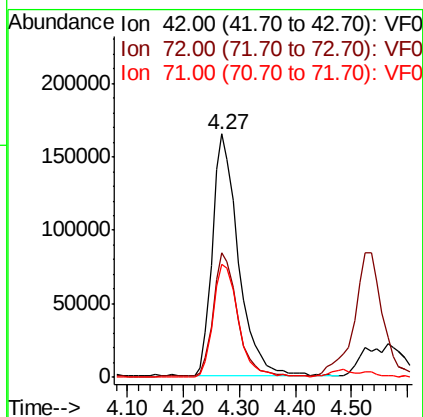
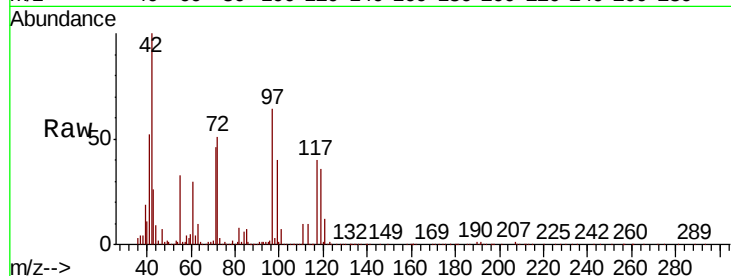




#29
Tetrahydrofuran
Concen: 450.486 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

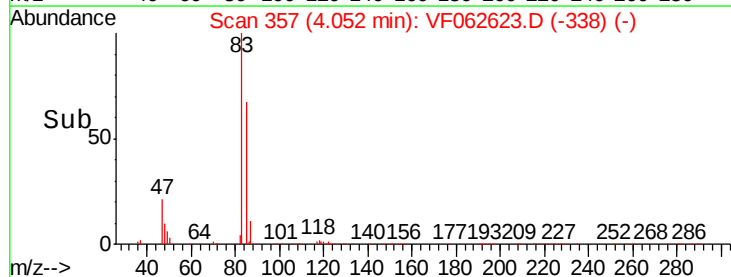
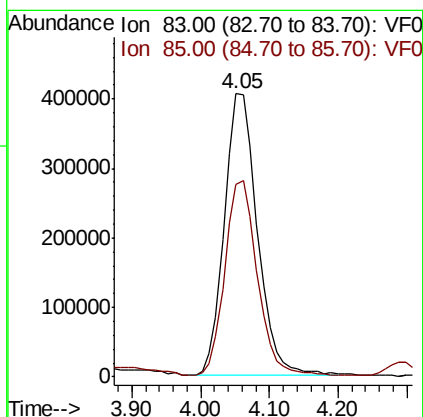
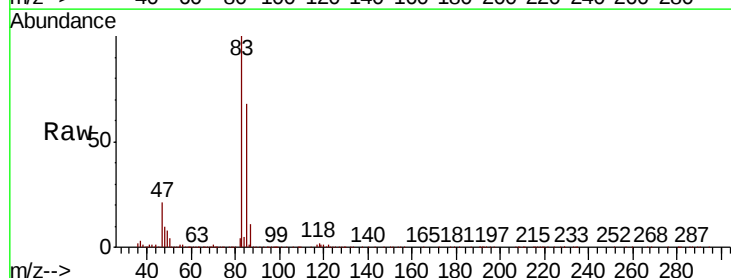
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

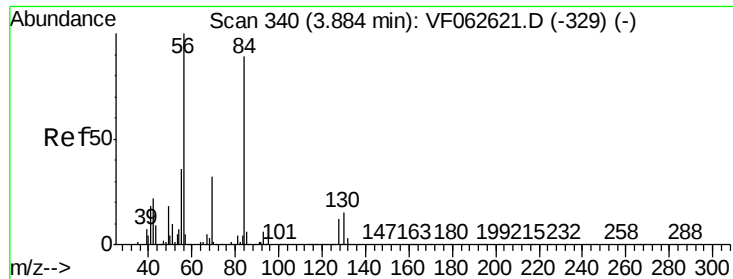
Tot Ion: 42 Resp: 536251
Ion Ratio Lower Upper
42 100
72 47.0 38.2 57.2
71 46.0 35.8 53.6



#30
Chloroform
Concen: 88.192 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion: 83 Resp: 1352807
Ion Ratio Lower Upper
83 100
85 68.1 53.6 80.4

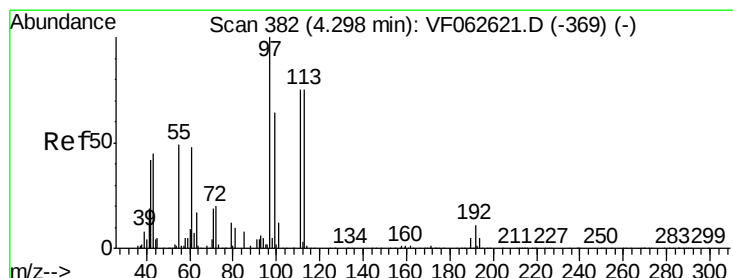
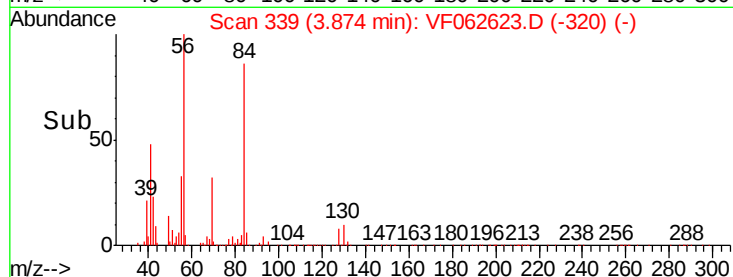
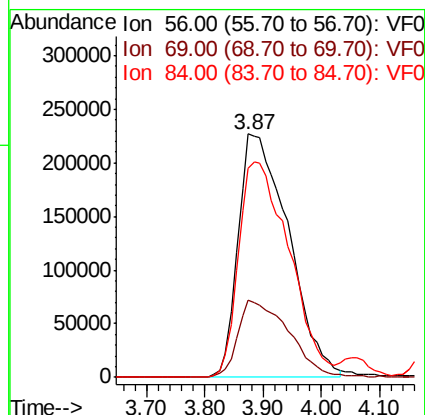
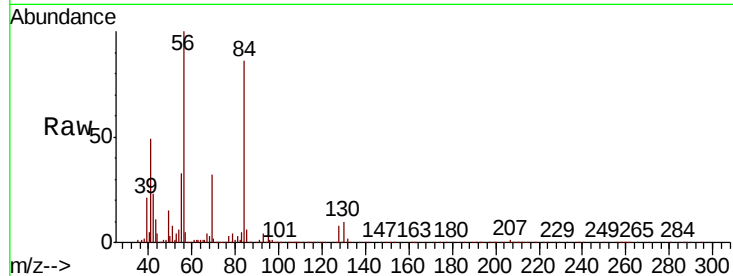




#31
Cyclohexane
Concen: 99.525 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

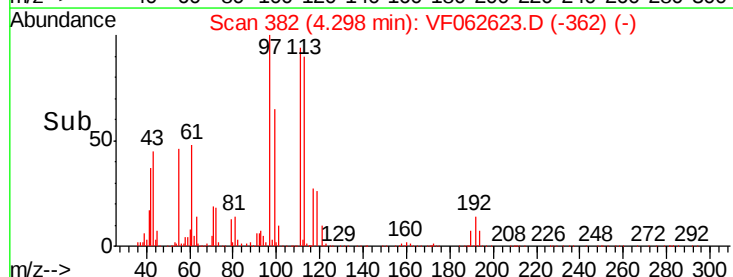
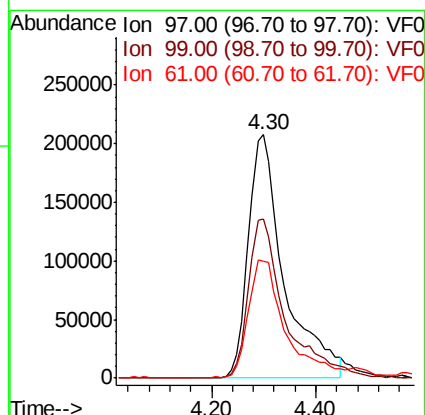
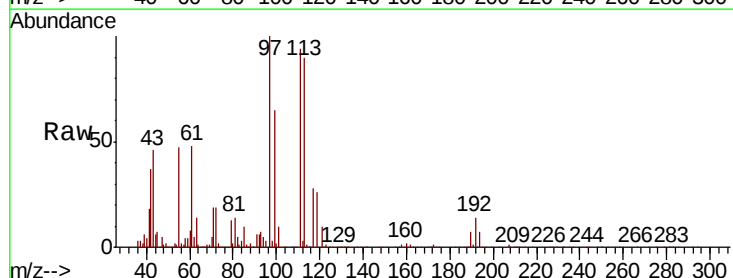
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

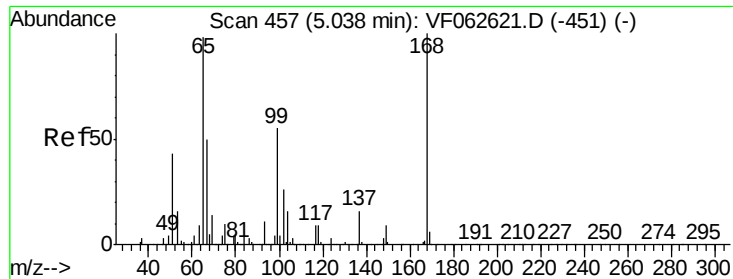
Tot Ion: 56 Resp: 1368922
Ion Ratio Lower Upper
56 100
69 31.7 25.3 37.9
84 85.7 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 95.678 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion: 97 Resp: 974691
Ion Ratio Lower Upper
97 100
99 65.4 51.3 76.9
61 48.1 38.2 57.2

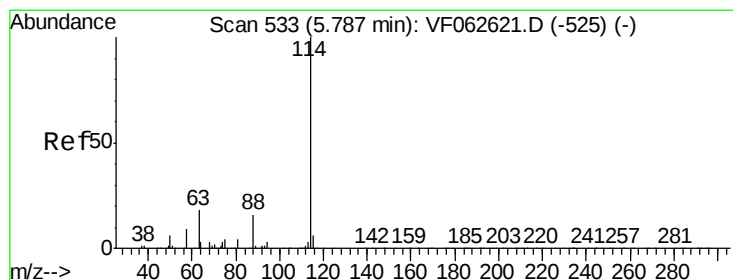
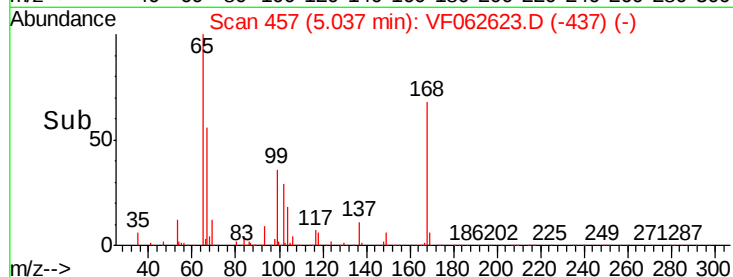
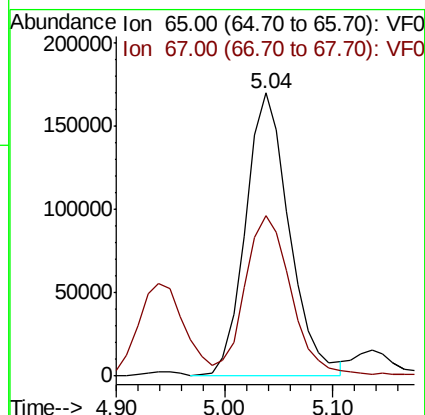
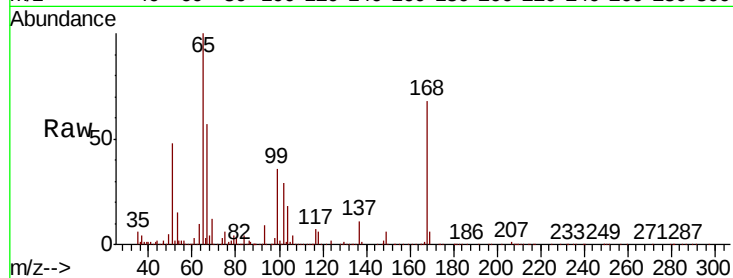




#33
 1,2-Dichloroethane-d4
 Concen: 89.338 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

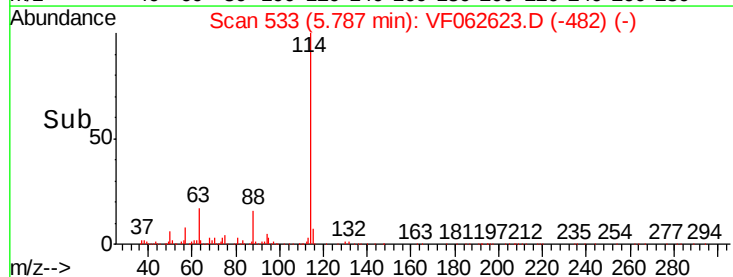
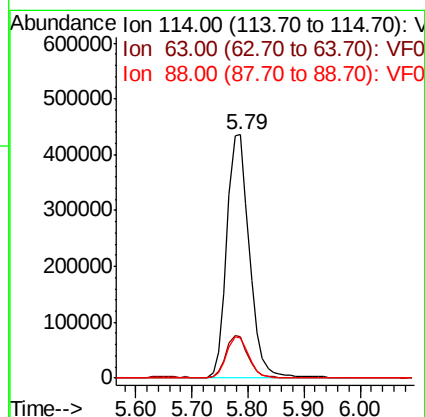
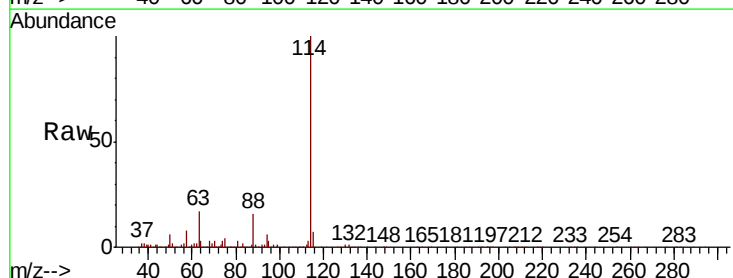
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

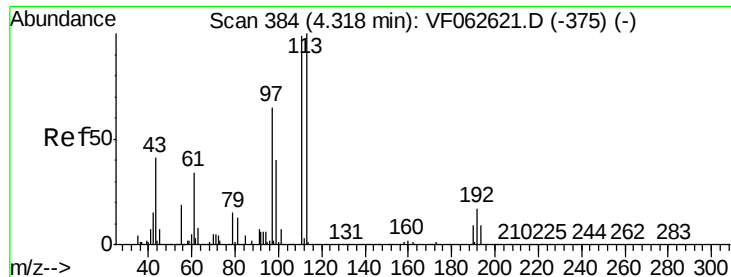
Tot Ion: 65 Resp: 474133
 Ion Ratio Lower Upper
 65 100
 67 56.6 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion: 114 Resp: 1230459
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 35.4
 88 16.2 0.0 32.4

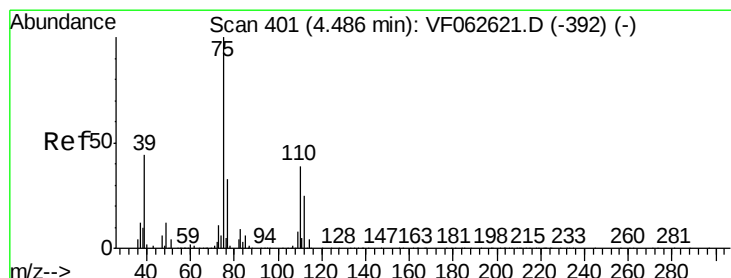
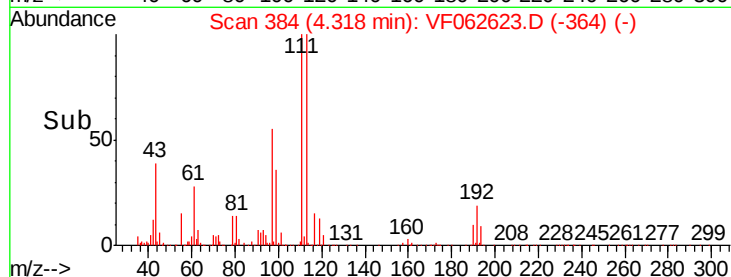
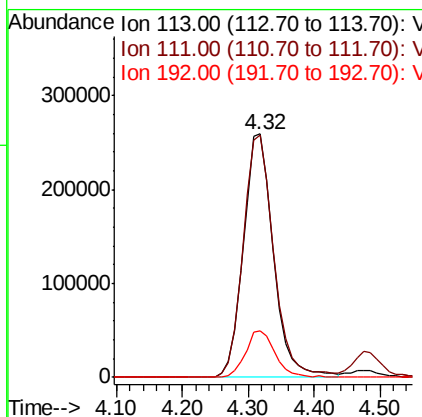
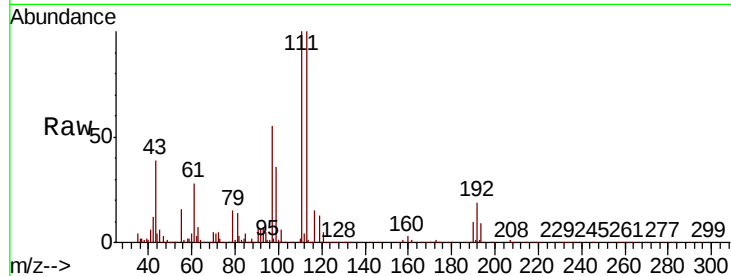




#35
 Dibromofluoromethane
 Concen: 88.381 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

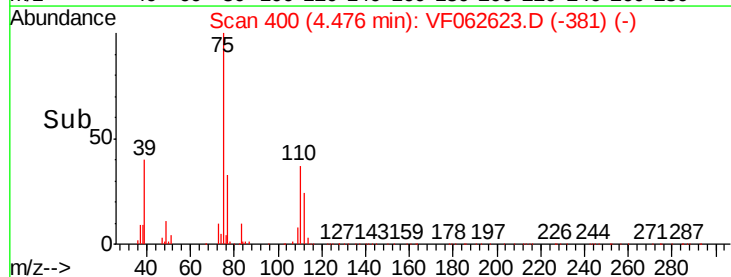
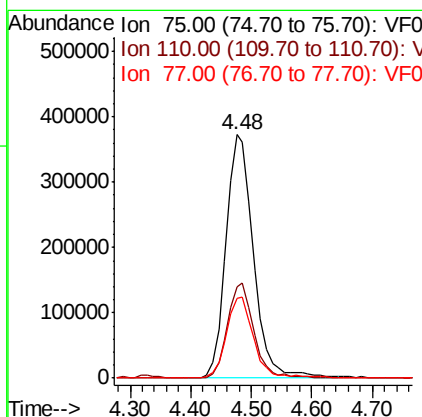
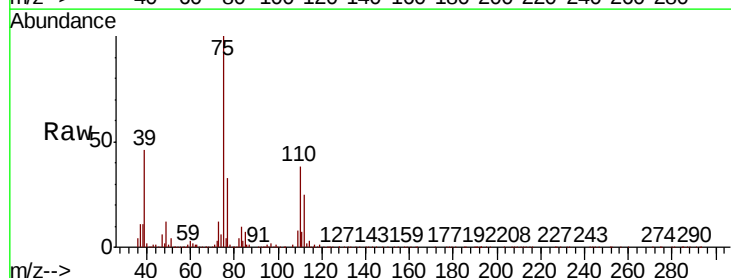
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

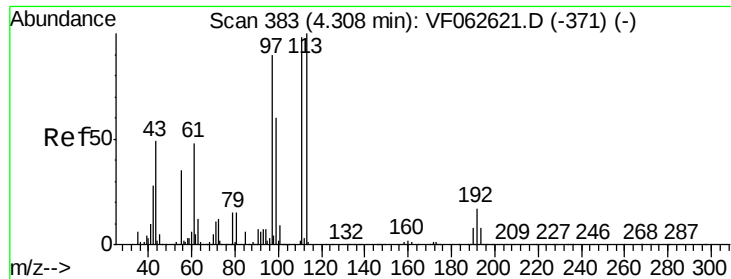
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.7	79.4	119.2
192	19.2	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 93.386 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	19.7	59.1
77	32.9	26.3	39.5

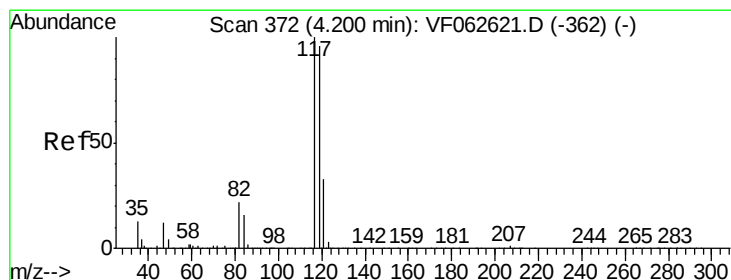
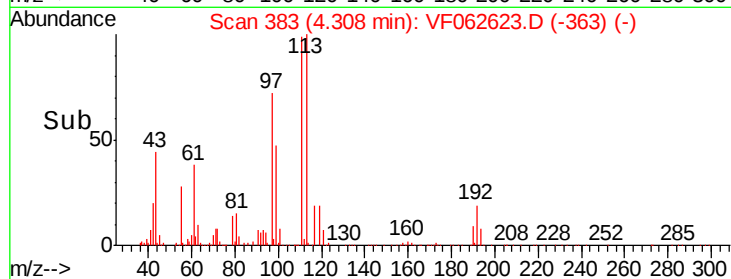
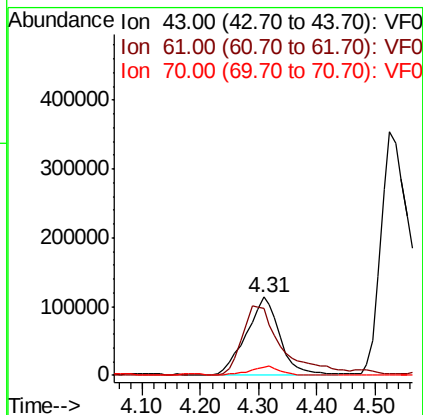
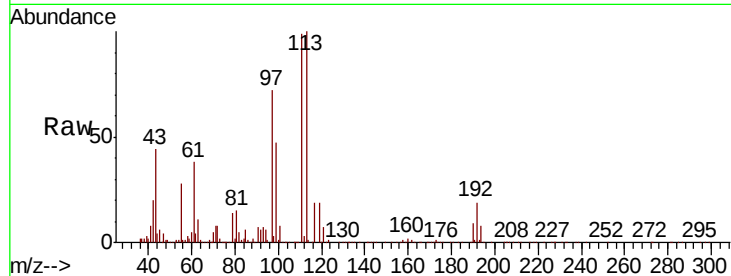




#37
Ethyl Acetate
Concen: 86.918 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

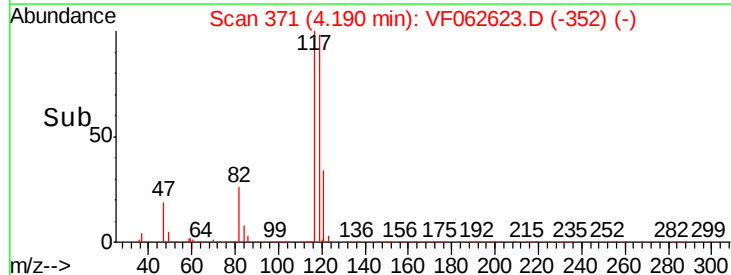
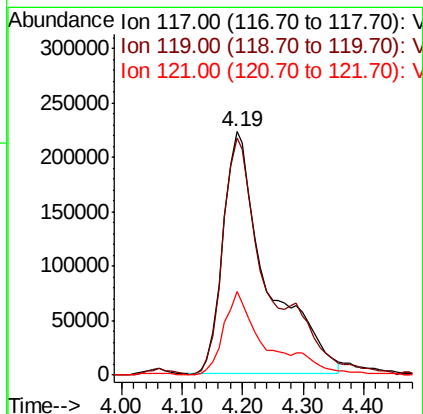
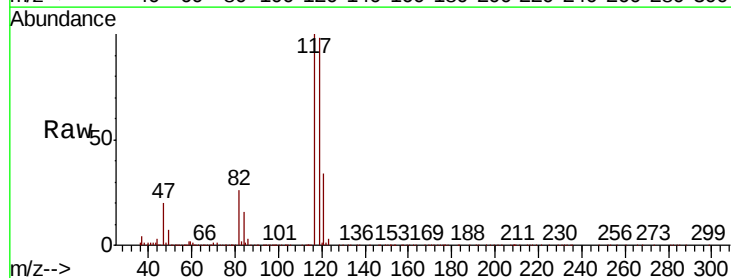
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

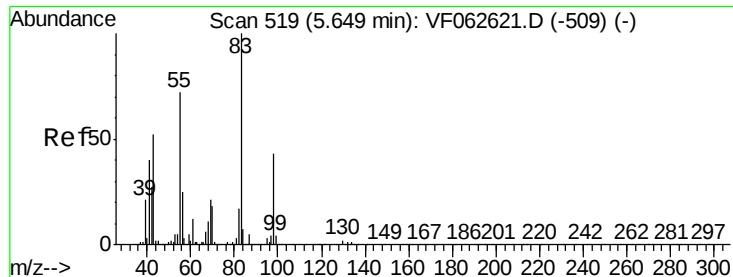
Tot Ion	Ratio	Lower	Upper
43	100		
61	86.5	76.9	115.3
70	10.5	8.8	13.2



#38
Carbon Tetrachloride
Concen: 126.990 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.7	115.1
121	34.4	26.6	40.0

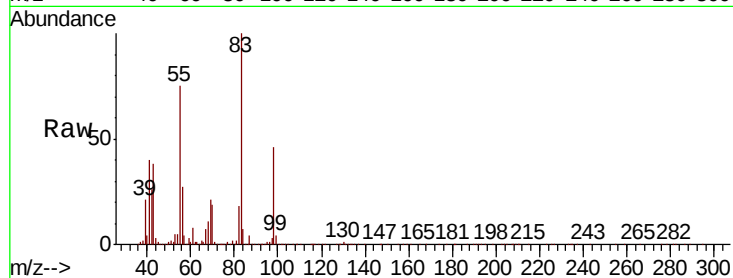




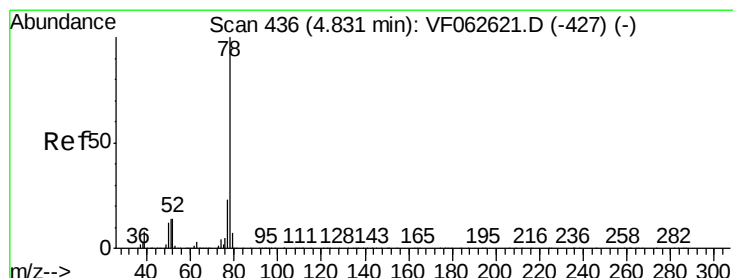
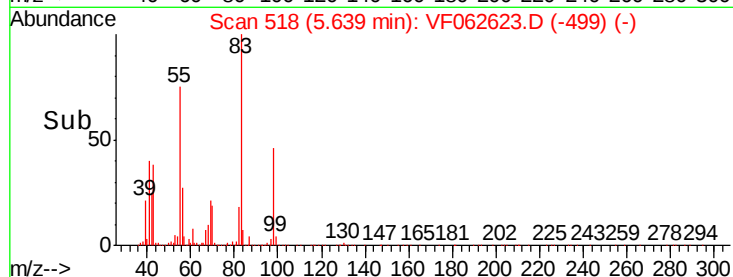
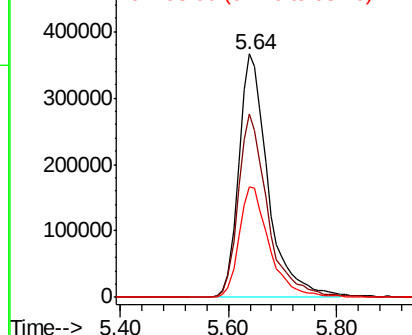
#39
Methylcyclohexane
Concen: 91.085 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1381856
Ion Ratio Lower Upper
83 100
55 75.3 57.9 86.9
98 45.6 34.6 52.0

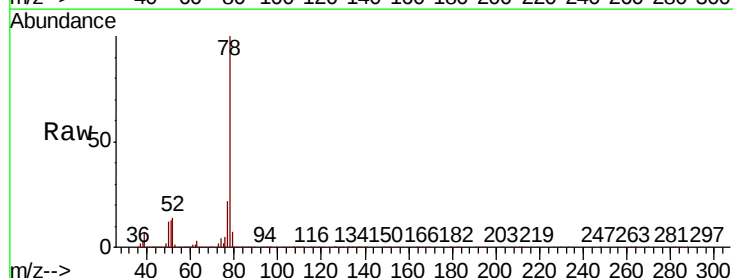


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

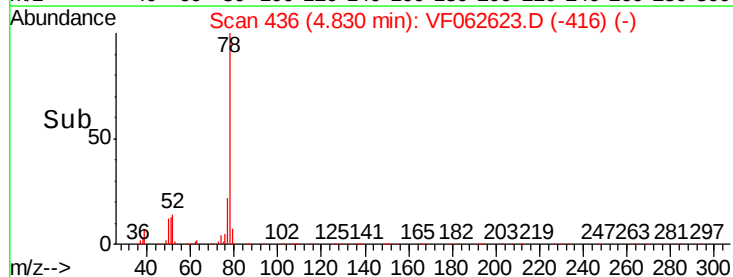
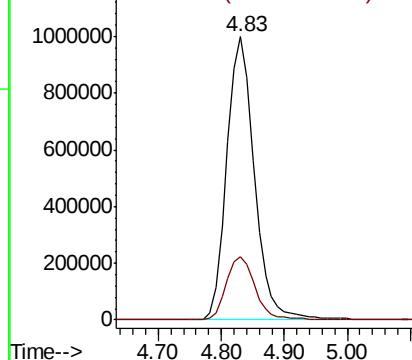


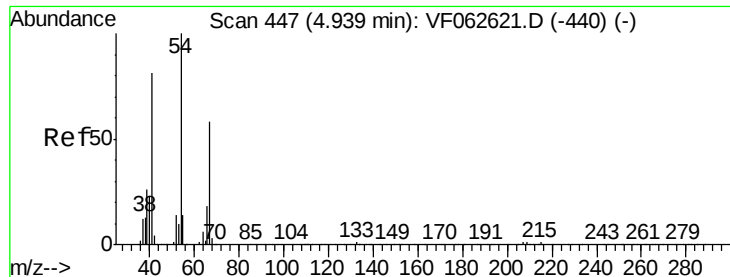
#40
Benzene
Concen: 88.464 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion: 78 Resp: 3038641
Ion Ratio Lower Upper
78 100
77 22.3 18.2 27.2



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 89.848 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 242496

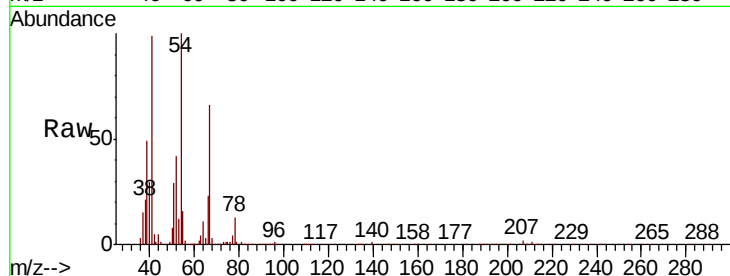
Ion Ratio Lower Upper

41 100

39 49.3 42.2 63.2

67 66.8 56.4 84.6

52 42.8 38.8 58.2

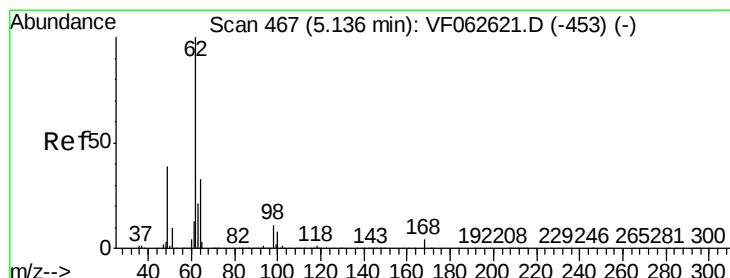
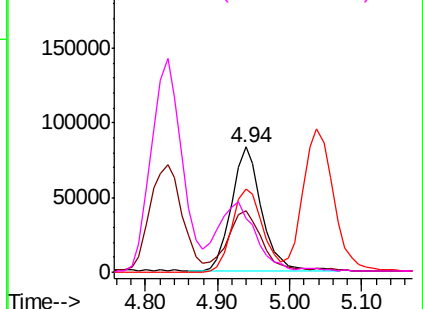
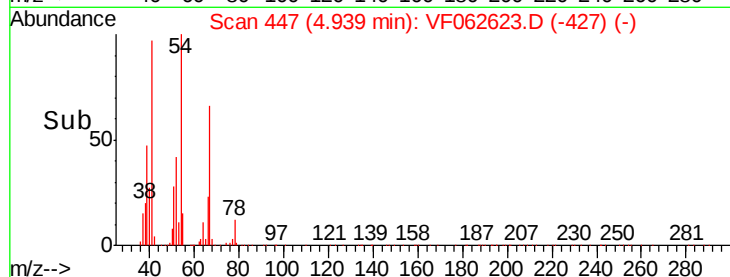


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 93.448 ug/l

RT: 5.14 min Scan# 467

Delta R.T. -0.00 min

Lab File: VF062623.D

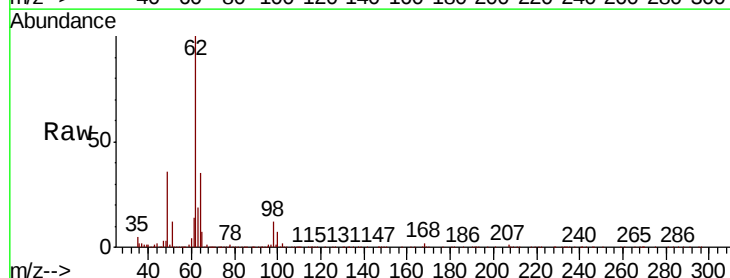
Acq: 16 May 2019 12:57

Tgt Ion: 62 Resp: 640090

Ion Ratio Lower Upper

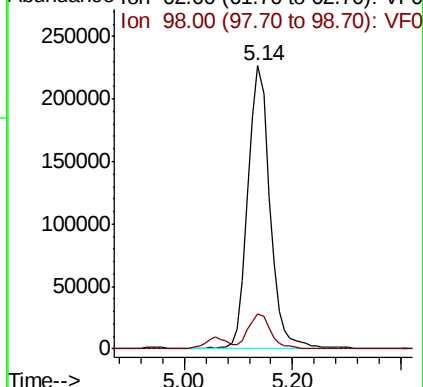
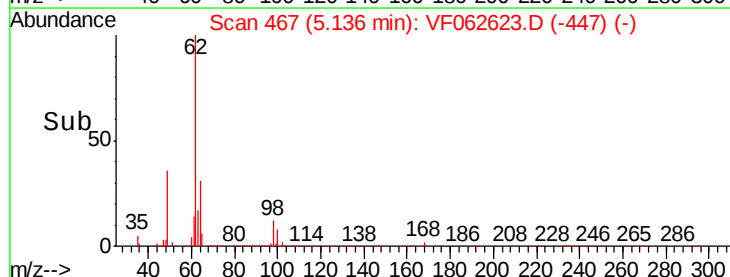
62 100

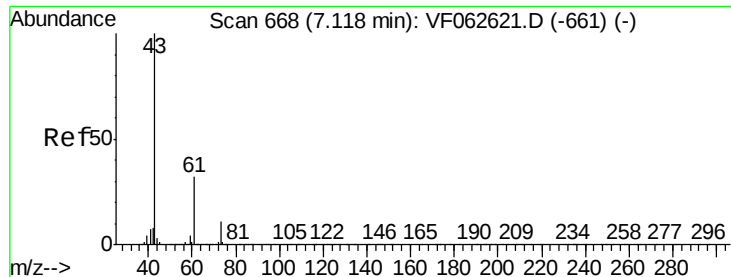
98 12.3 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



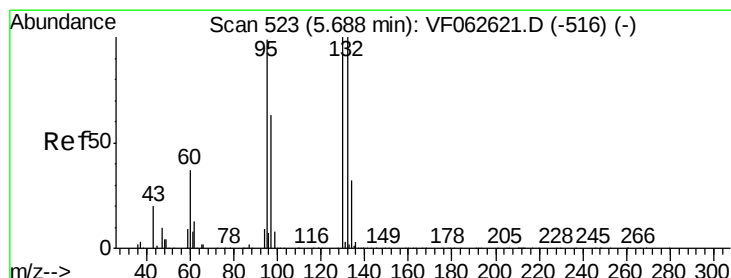
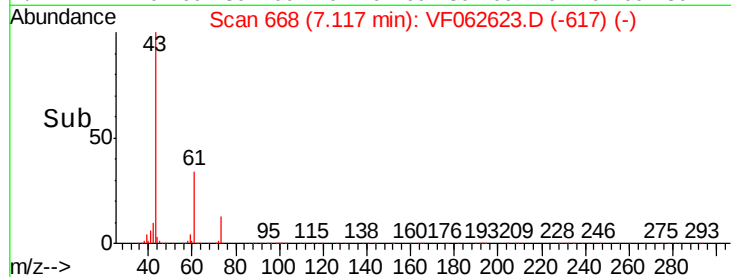
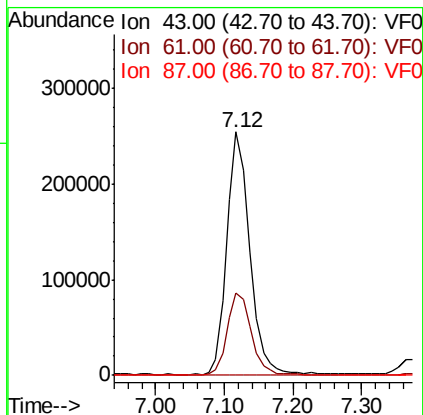
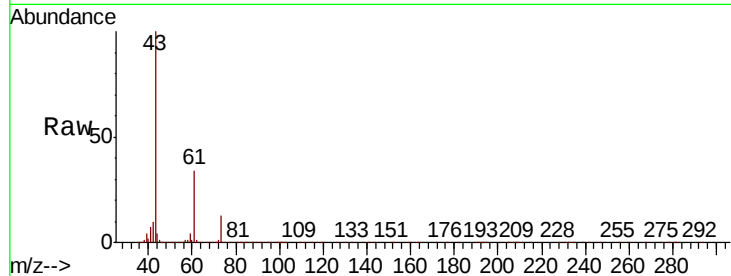


#43

Isopropyl Acetate
 Concen: 88.335 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

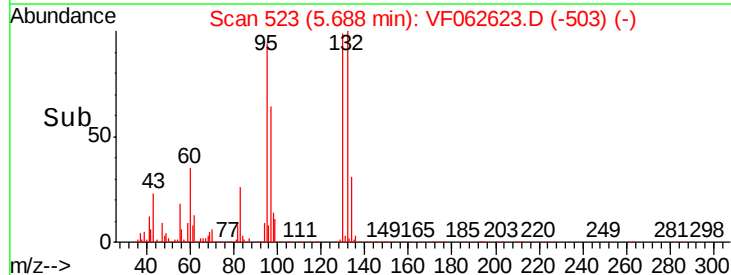
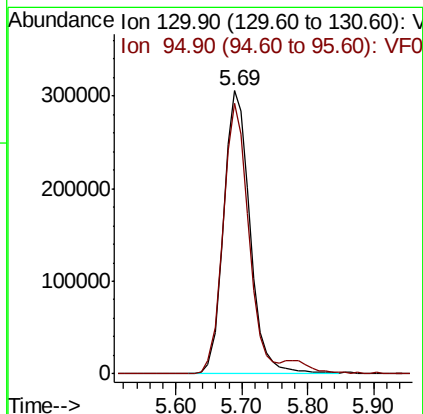
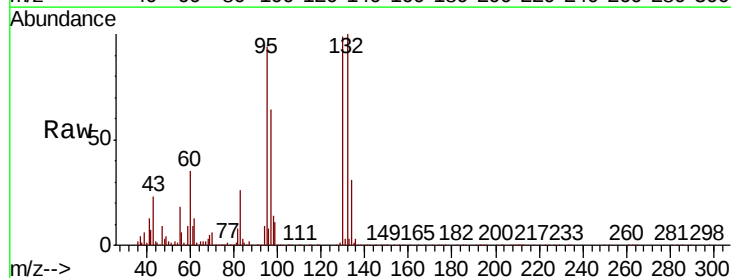
Tot Ion	43	Resp	589150
Ion Ratio	100		
Lower	25.8		
Upper	38.8		
87	0.3	0.4	0.6#

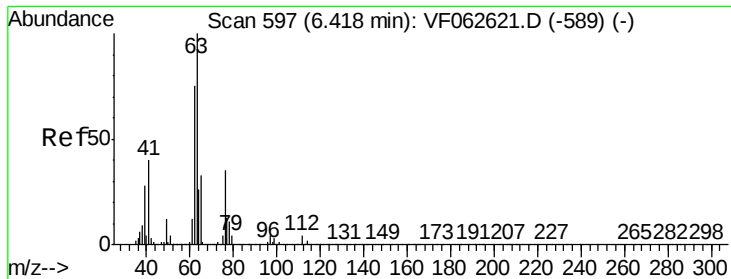


#44

Trichloroethene
 Concen: 88.638 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion	130	Resp	855695
Ion Ratio	100		
Lower	0.0		
Upper	199.4		
95	95.8		





#45

1,2-Dichloropropane

Concen: 90.925 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

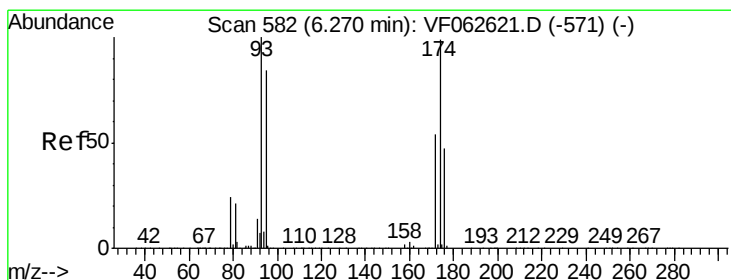
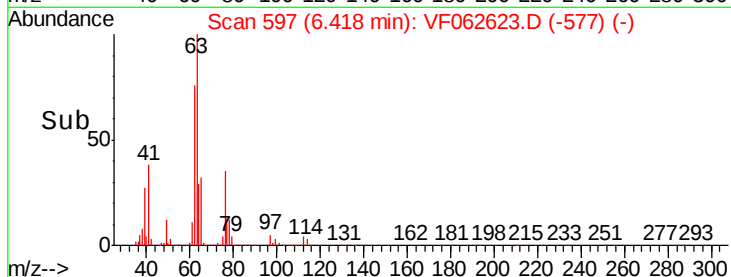
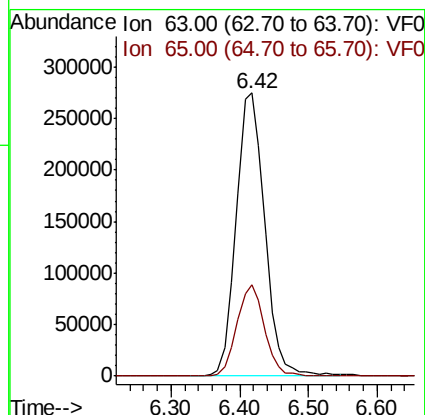
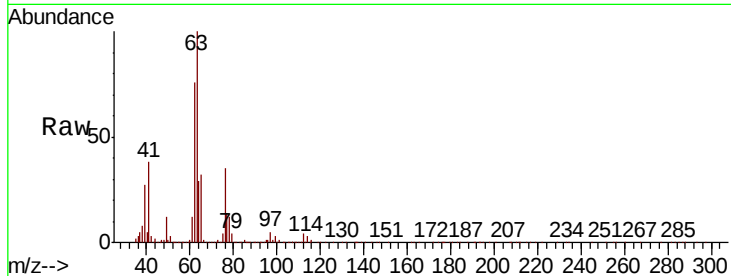
VSTDIC100

Tot Ion: 63 Resp: 788398

Ion Ratio Lower Upper

63 100

65 32.4 26.3 39.5



#46

Dibromomethane

Concen: 94.763 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

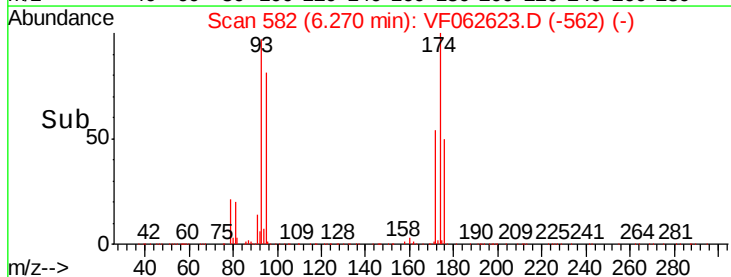
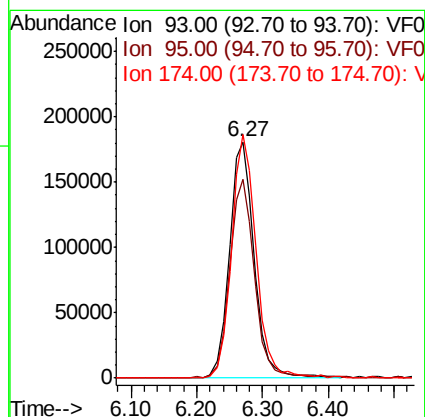
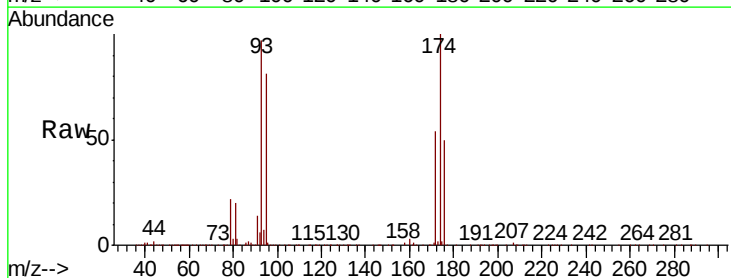
Tgt Ion: 93 Resp: 474870

Ion Ratio Lower Upper

93 100

95 84.0 67.4 101.2

174 103.2 79.4 119.2





#47

Bromodichloromethane

Concen: 93.405 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

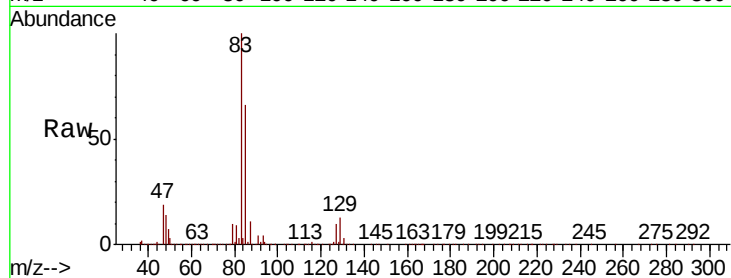
Tot Ion: 83 Resp: 971702

Ion Ratio Lower Upper

83 100

85 65.6 52.0 78.0

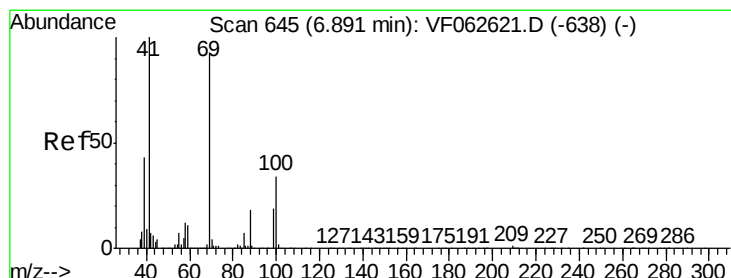
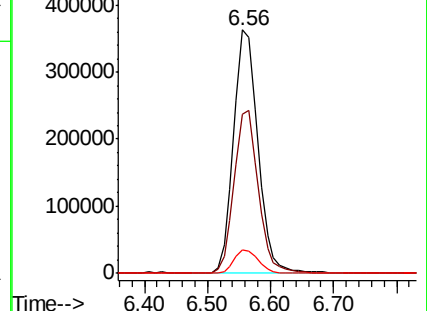
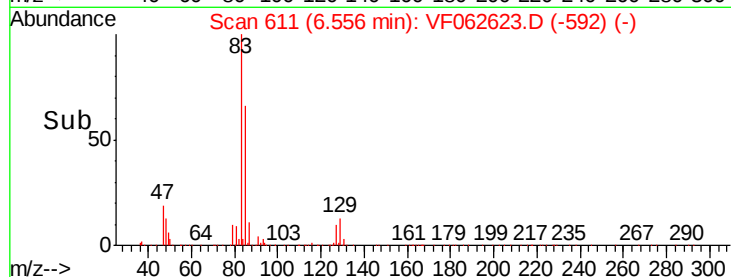
127 9.6 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 93.864 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

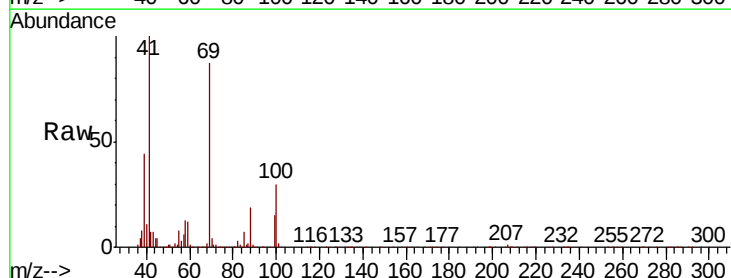
Tgt Ion: 41 Resp: 327212

Ion Ratio Lower Upper

41 100

69 87.5 74.2 111.2

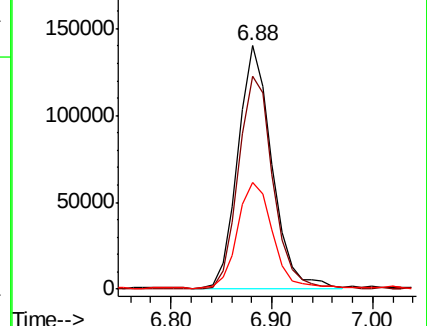
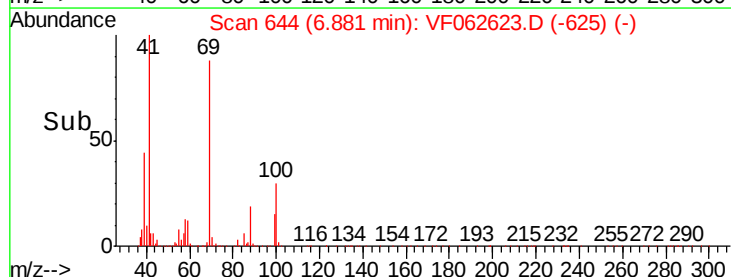
39 44.0 34.2 51.4

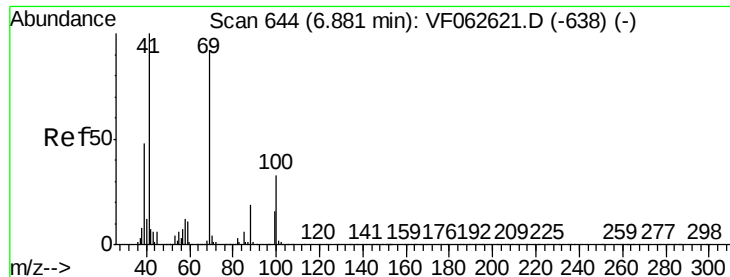


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1870.605 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

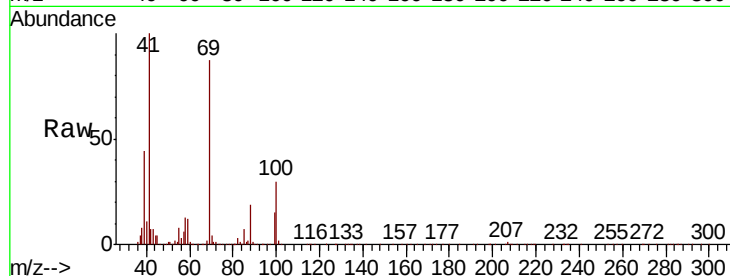
Tot Ion: 88 Resp: 83520

Ion Ratio Lower Upper

88 100

43 36.9 30.0 45.0

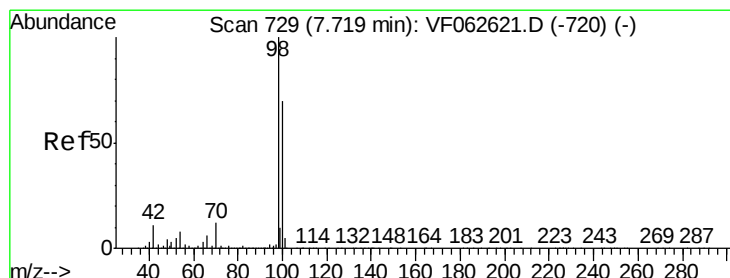
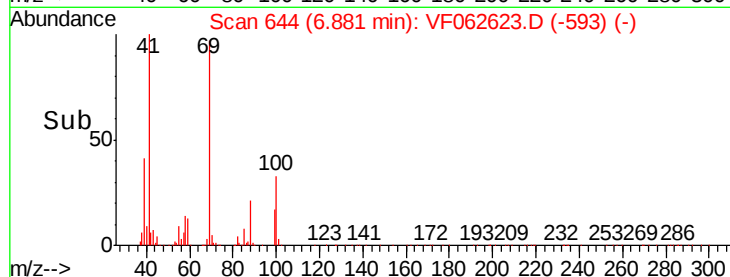
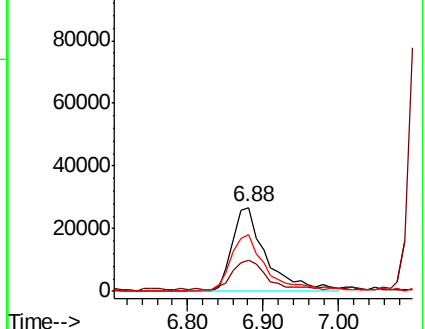
58 67.2 51.1 76.7



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 86.397 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.00 min

Lab File: VF062623.D

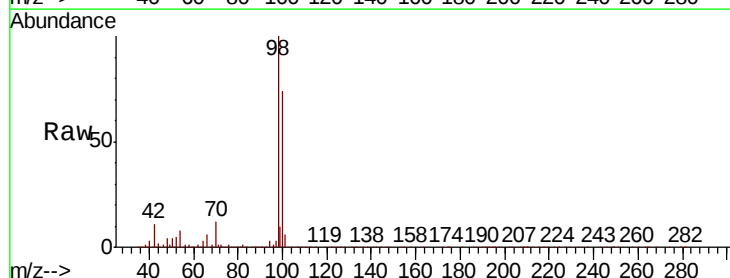
Acq: 16 May 2019 12:57

Tgt Ion: 98 Resp: 1942257

Ion Ratio Lower Upper

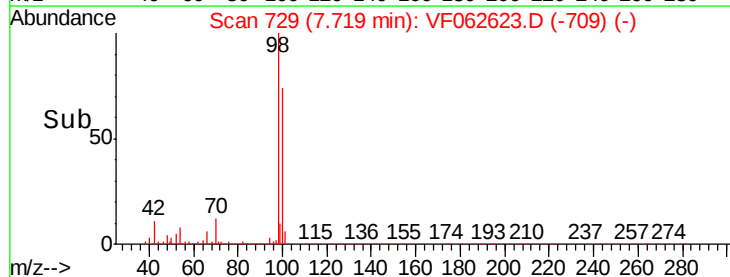
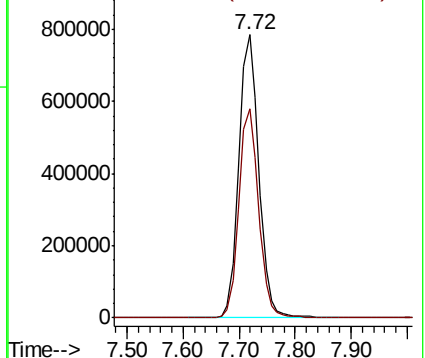
98 100

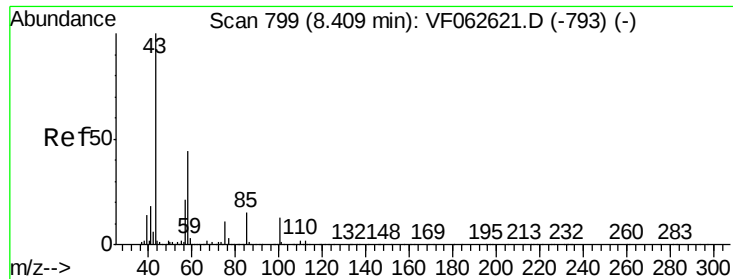
100 73.7 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 419.405 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

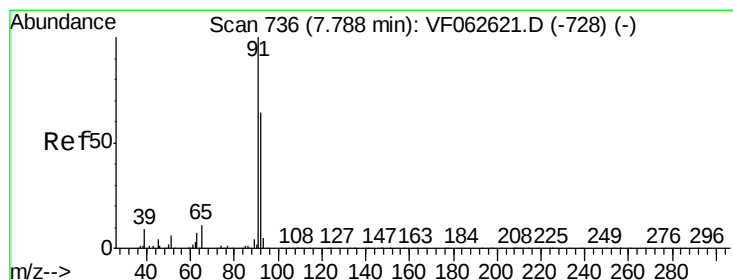
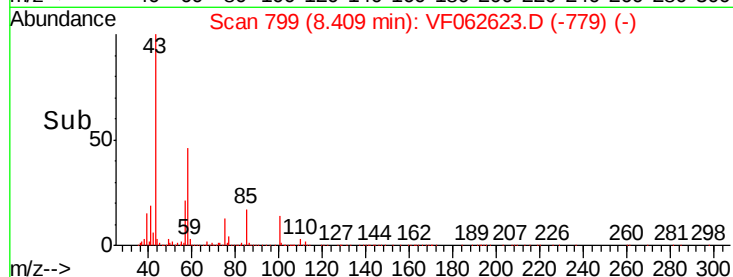
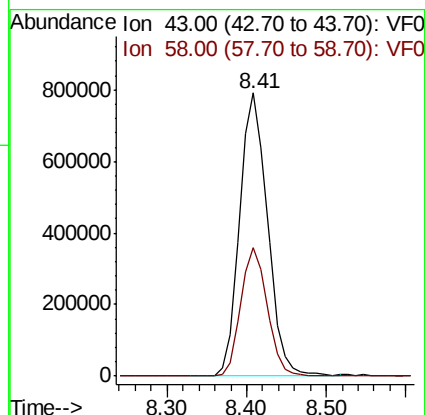
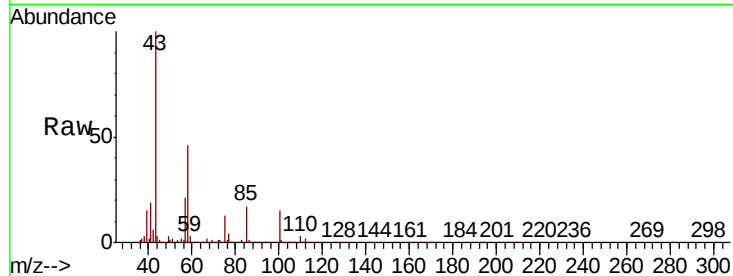
VSTDIC100

Tot Ion: 43 Resp: 1912002

Ion Ratio Lower Upper

43 100

58 45.6 34.9 52.3



#52

Toluene

Concen: 92.830 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF062623.D

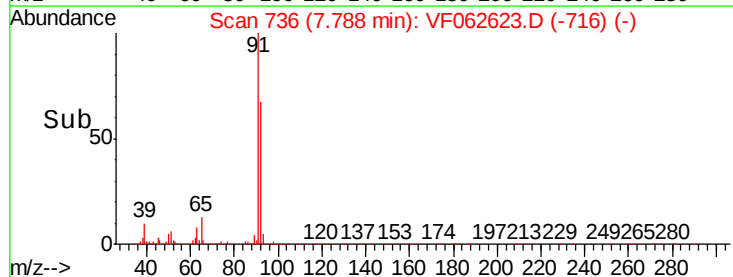
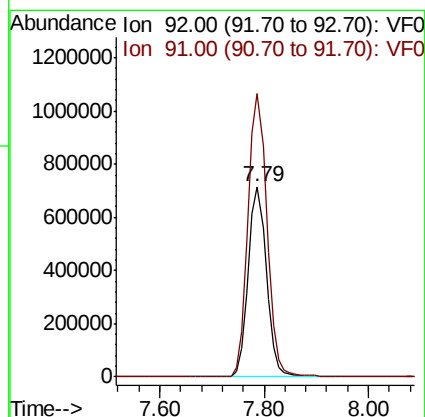
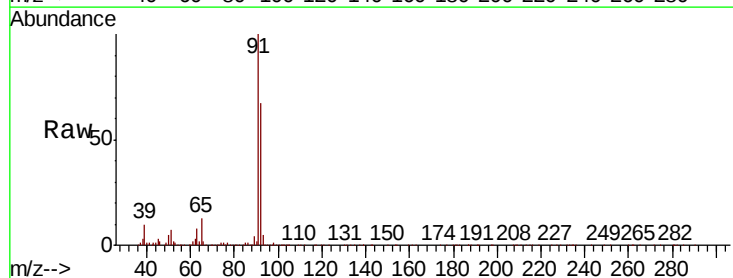
Acq: 16 May 2019 12:57

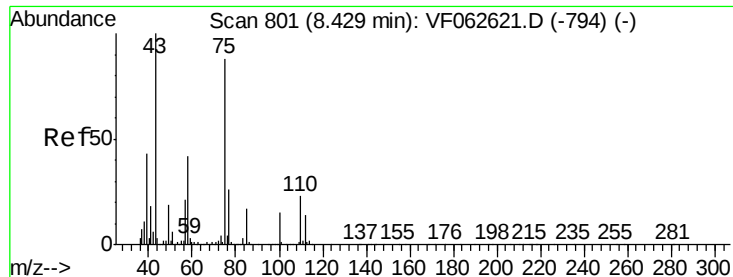
Tgt Ion: 92 Resp: 1672248

Ion Ratio Lower Upper

92 100

91 149.0 125.4 188.0

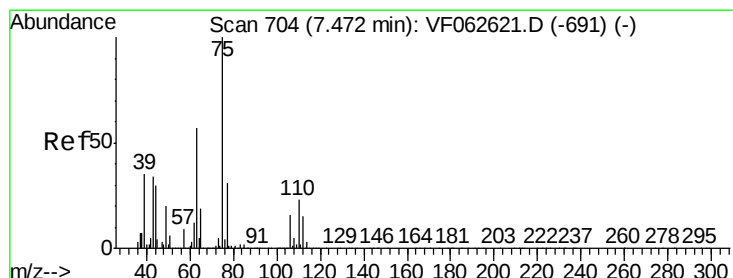
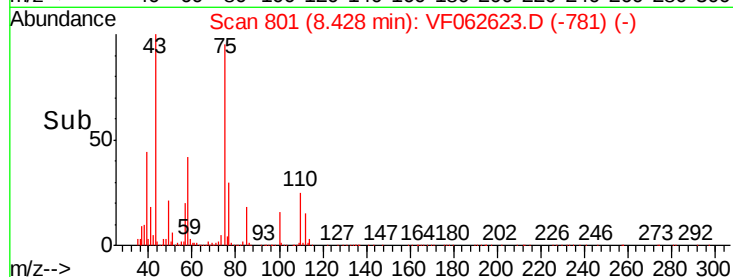
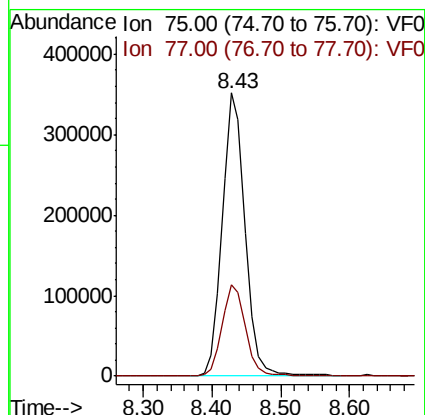
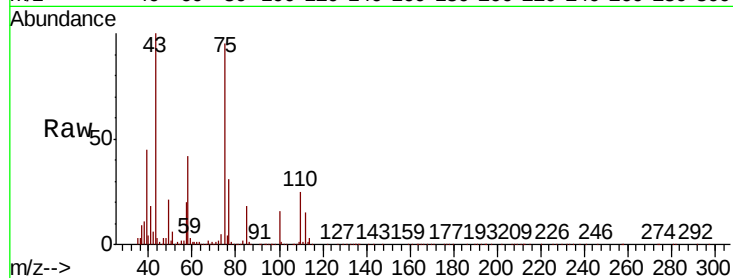




#53
 t-1,3-Dichloropropene
 Concen: 94.537 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

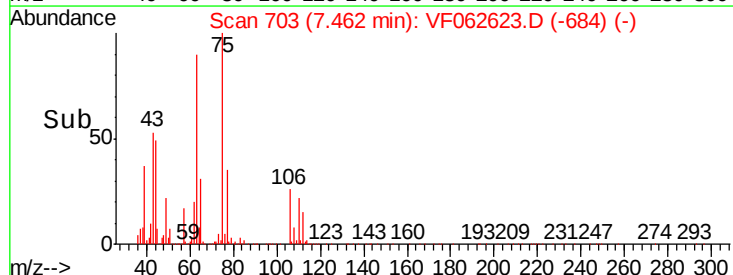
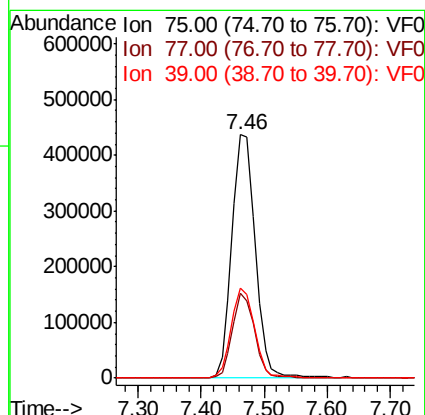
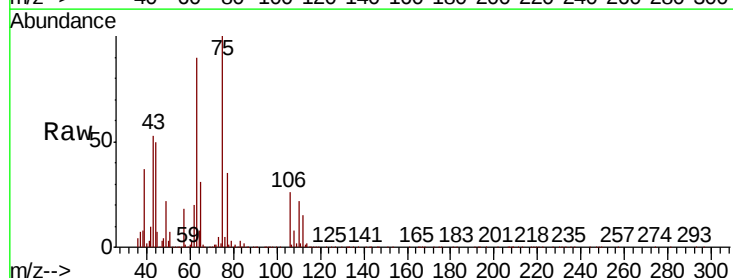
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

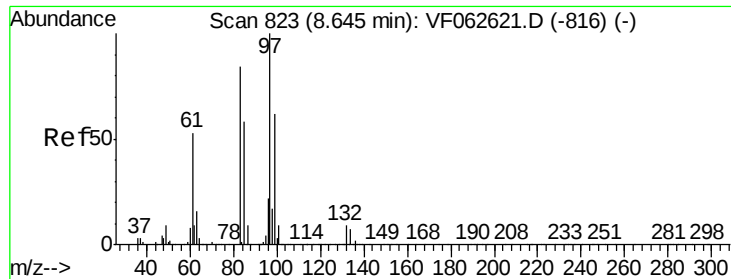
Tot Ion: 75 Resp: 804608
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 94.396 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion: 75 Resp: 1124624
 Ion Ratio Lower Upper
 75 100
 77 34.9 25.3 37.9
 39 37.1 28.2 42.2

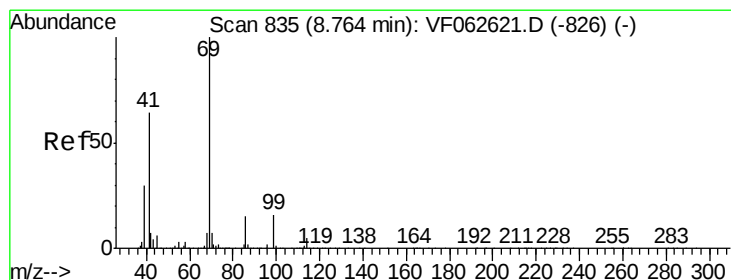
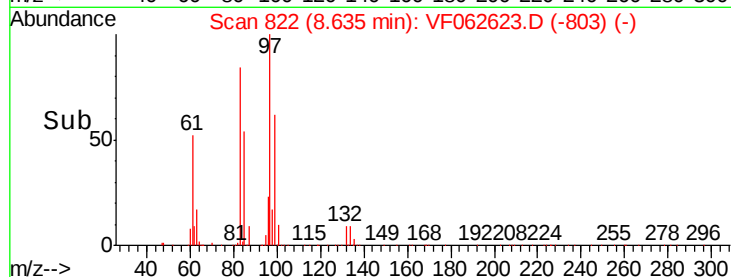
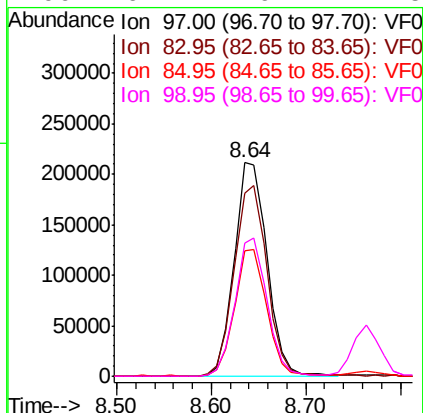
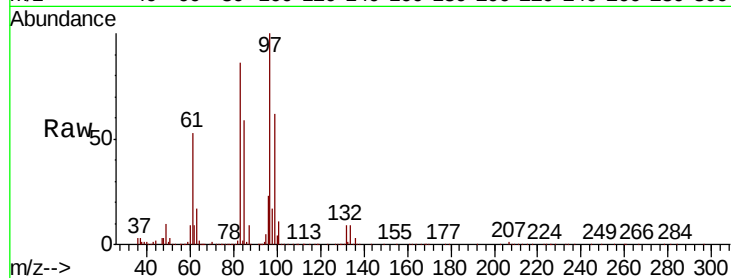




#55
 1,1,2-Trichloroethane
 Concen: 95.300 ug/l
 RT: 8.64 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

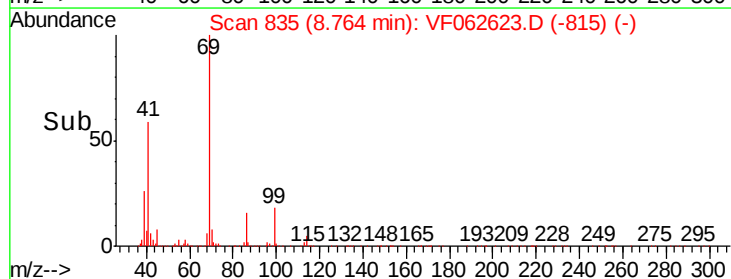
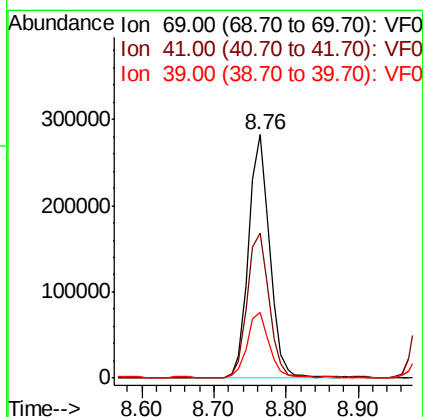
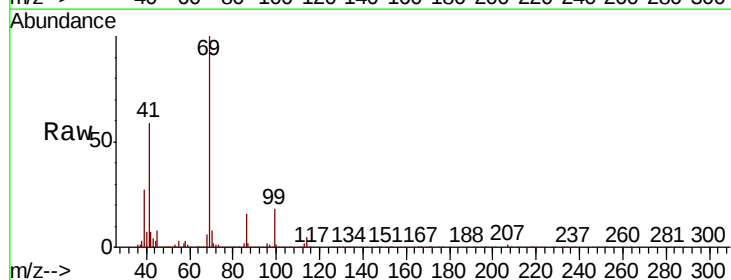
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

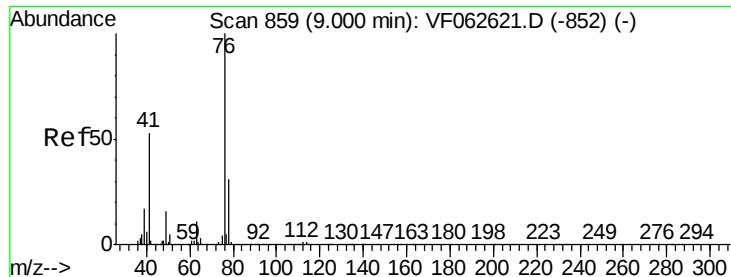
Tot Ion:	97	Resp:	508302
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.3	100.9
85	58.6	46.6	69.8
99	62.1	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 91.750 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion:	69	Resp:	583020
Ion	Ratio	Lower	Upper
69	100		
41	59.4	51.4	77.2
39	27.0	23.6	35.4

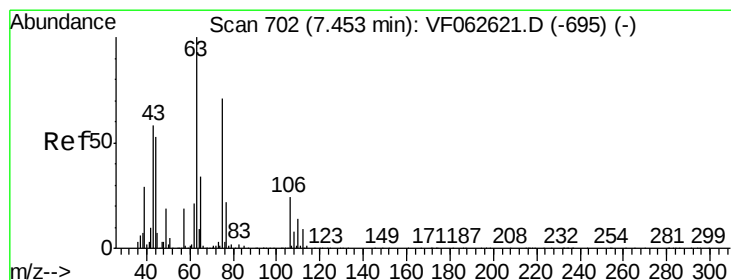
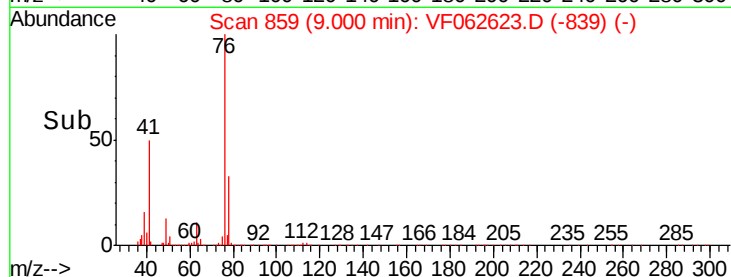
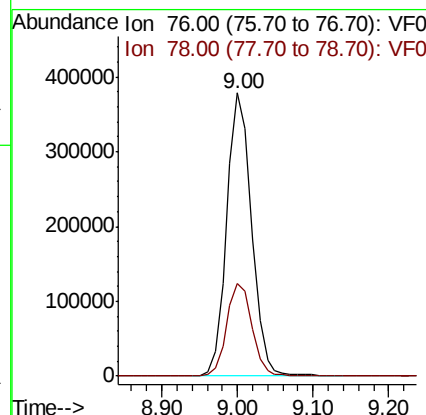
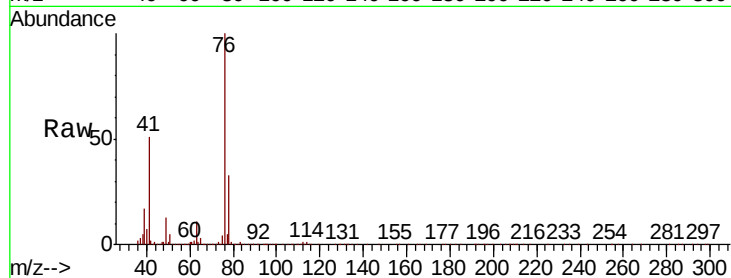




#57
 1,3-Dichloropropane
 Concen: 94.945 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

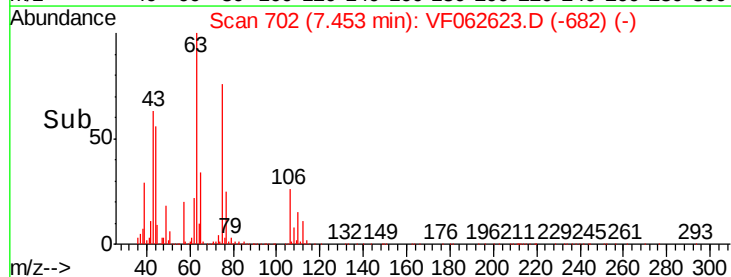
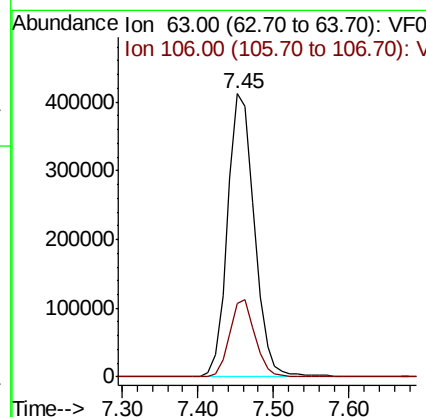
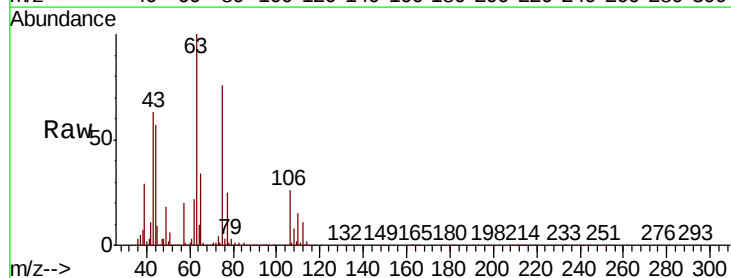
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

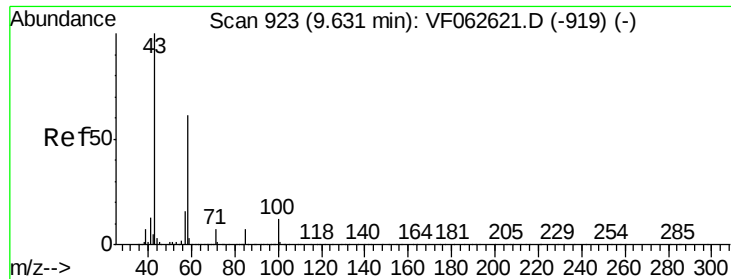
Tot Ion: 76 Resp: 862564
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 484.406 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion: 63 Resp: 1001935
 Ion Ratio Lower Upper
 63 100
 106 25.9 19.1 28.7

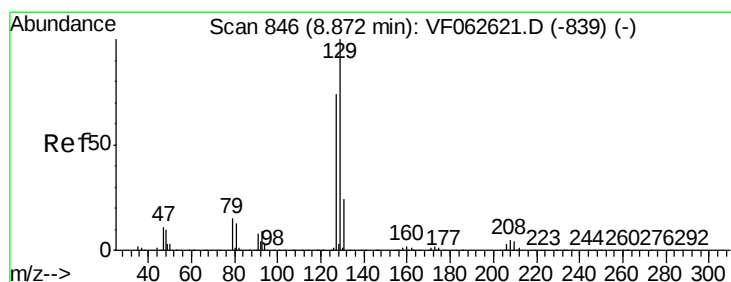
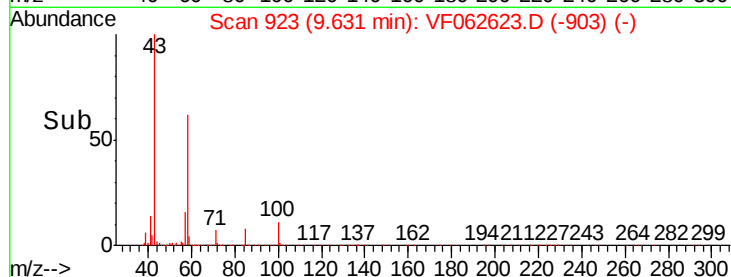
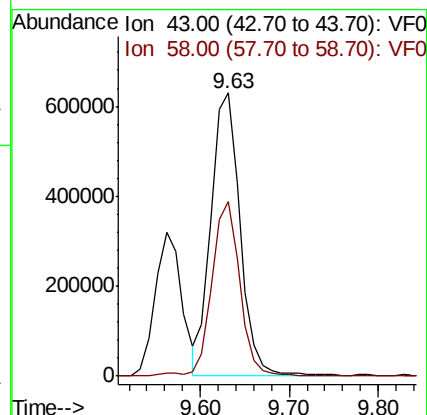
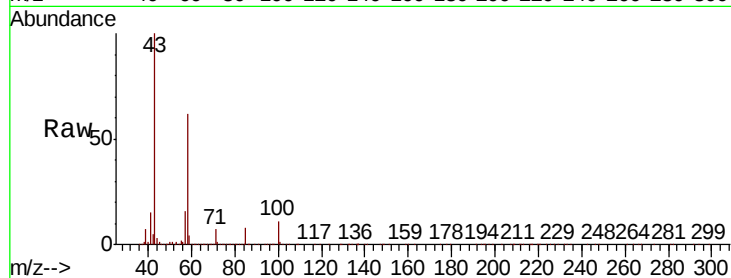




#59
2-Hexanone
Concen: 427.258 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

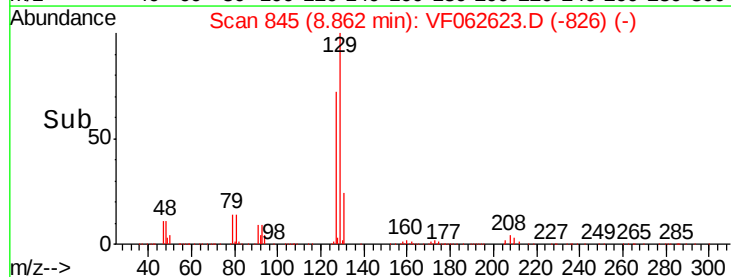
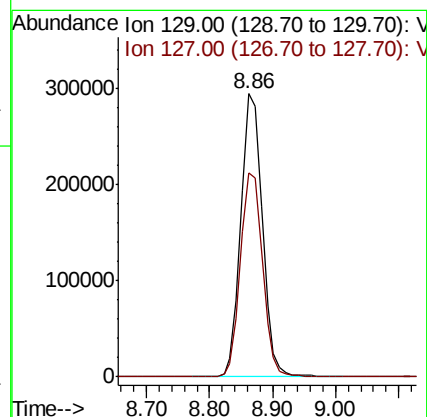
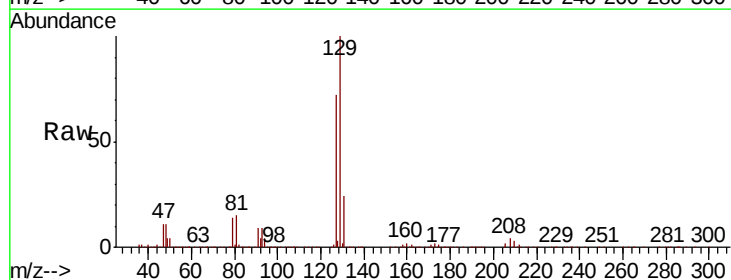
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

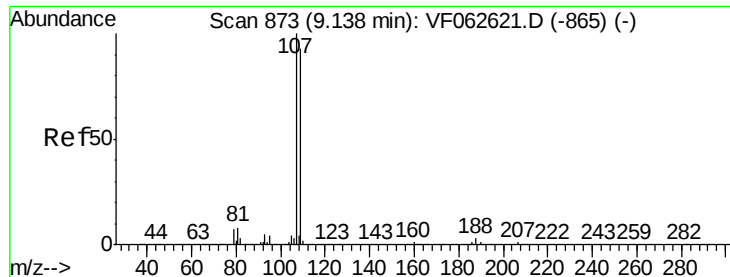
Tot Ion: 43 Resp: 1424116
Ion Ratio Lower Upper
43 100
58 61.7 28.1 84.4



#60
Dibromochloromethane
Concen: 99.608 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion: 129 Resp: 692432
Ion Ratio Lower Upper
129 100
127 72.1 37.2 111.6





#61

1,2-Dibromoethane

Concen: 98.480 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

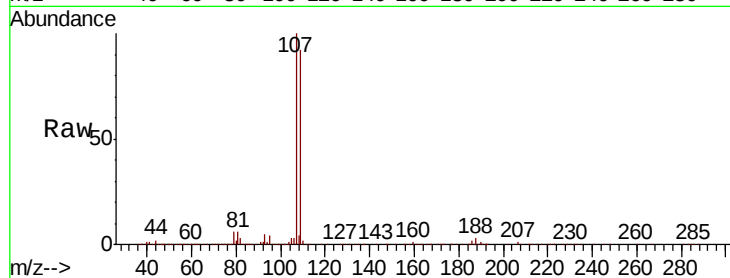
VSTDIC100

Tot Ion:107 Resp: 557907

Ion Ratio Lower Upper

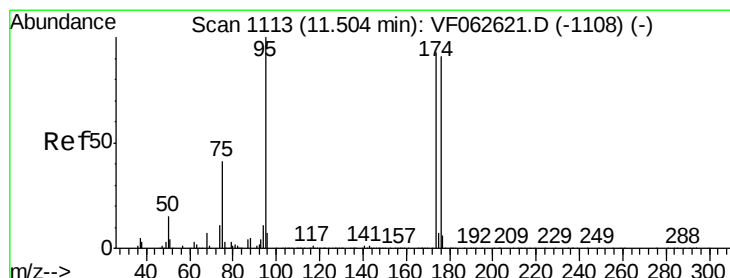
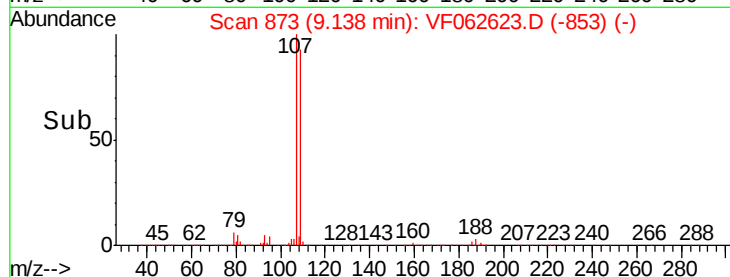
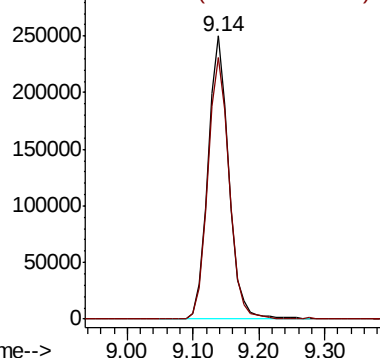
107 100

109 92.4 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 94.330 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

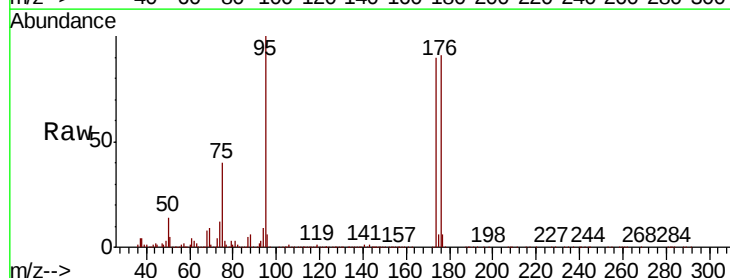
Tgt Ion: 95 Resp: 804277

Ion Ratio Lower Upper

95 100

174 90.3 0.0 185.6

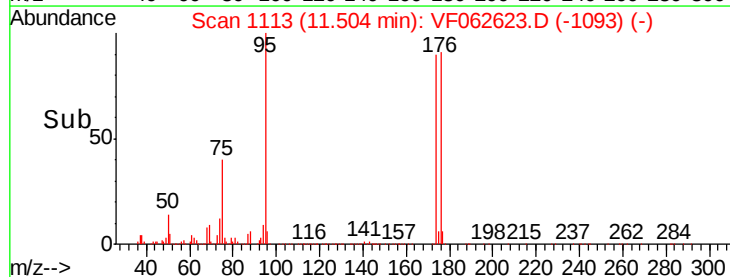
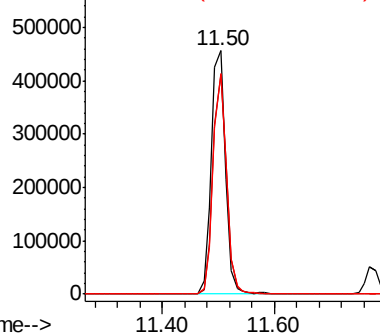
176 90.6 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

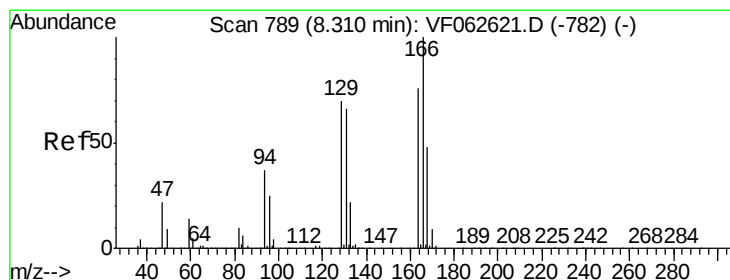
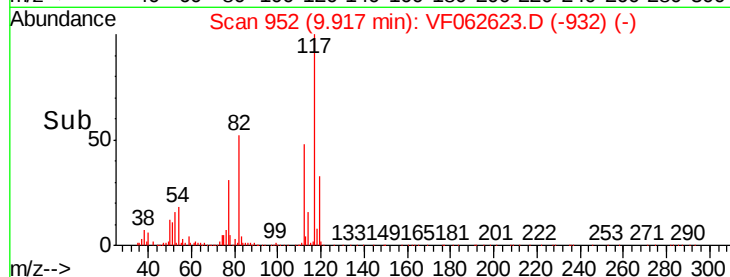
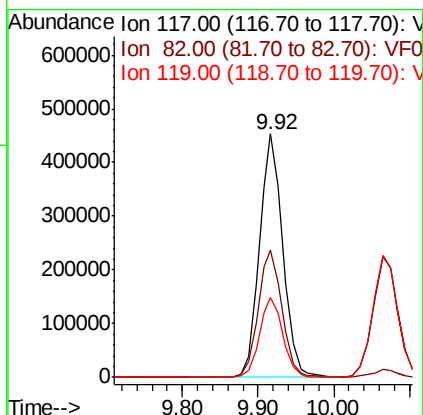
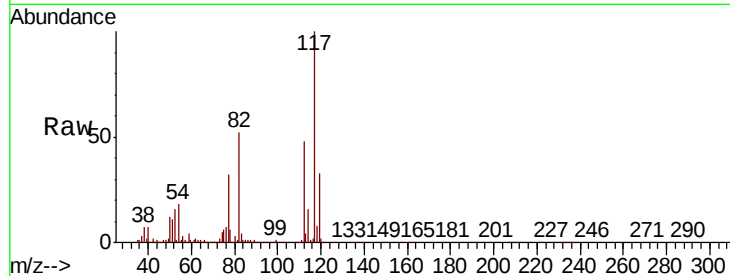




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

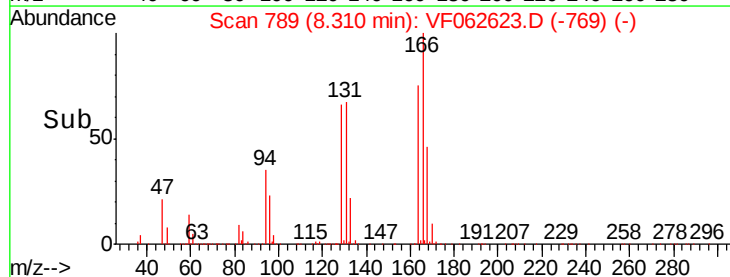
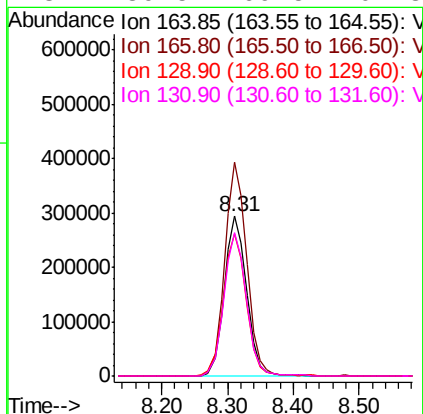
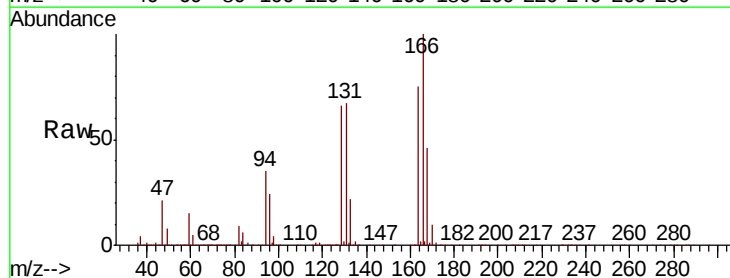
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

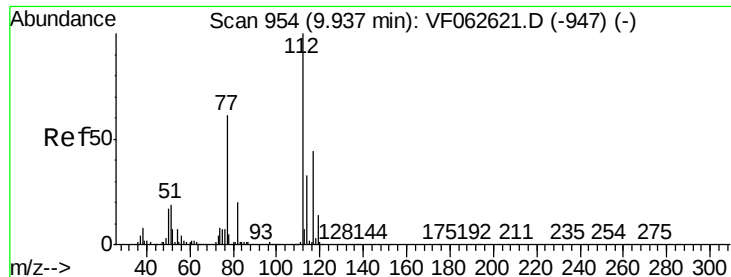
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	43.3	64.9
119	32.6	27.4	41.0



#64
Tetrachloroethene
Concen: 90.410 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.6	105.5	158.3
129	88.8	73.8	110.6
131	89.5	69.5	104.3

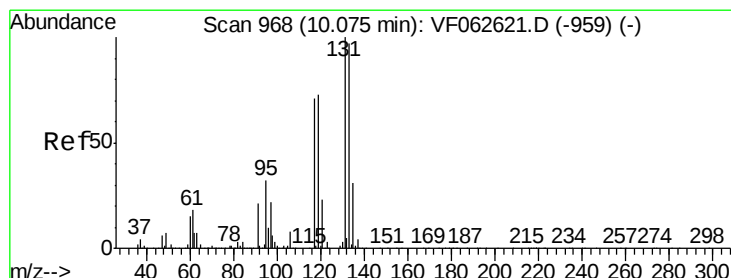
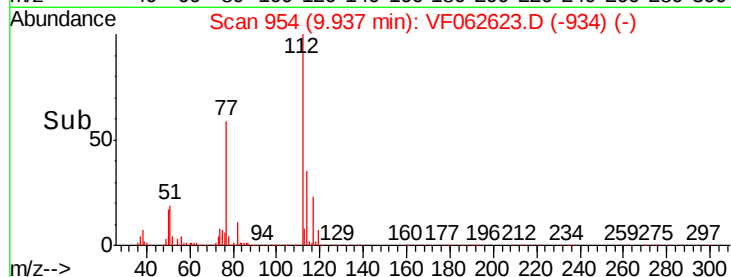
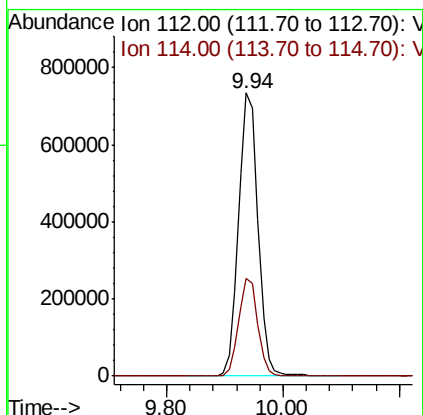
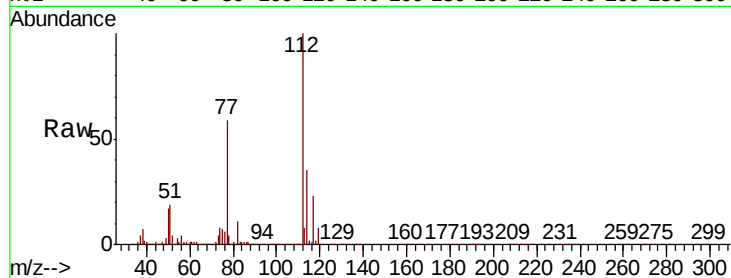




#65
Chlorobenzene
Concen: 88.992 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

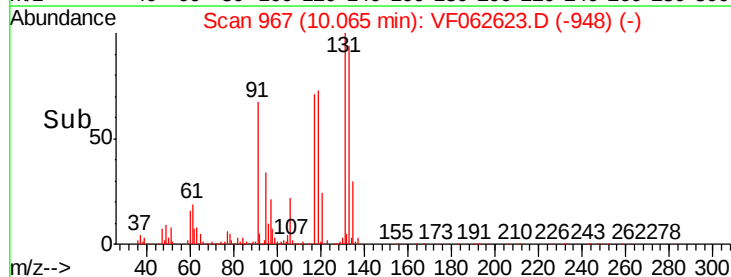
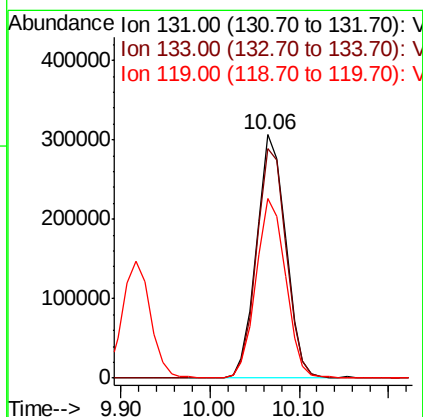
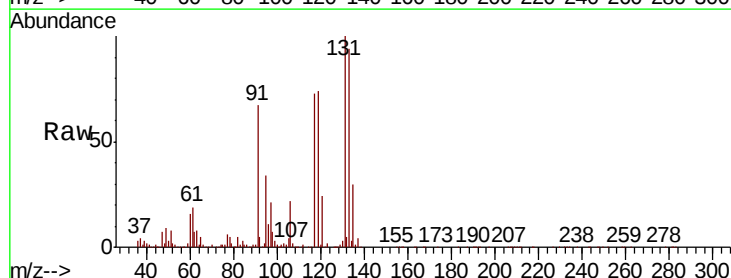
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

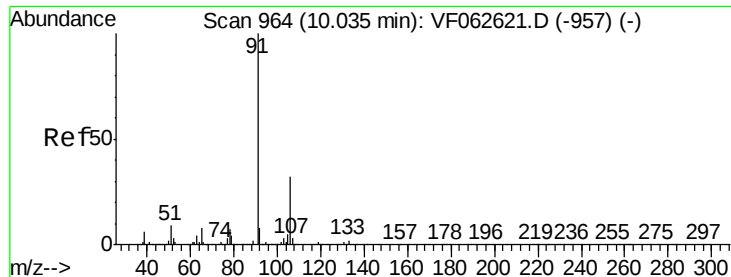
Tot Ion:112 Resp: 1706692
Ion Ratio Lower Upper
112 100
114 34.6 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 89.873 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion:131 Resp: 691930
Ion Ratio Lower Upper
131 100
133 94.3 48.5 145.5
119 73.8 36.8 110.4

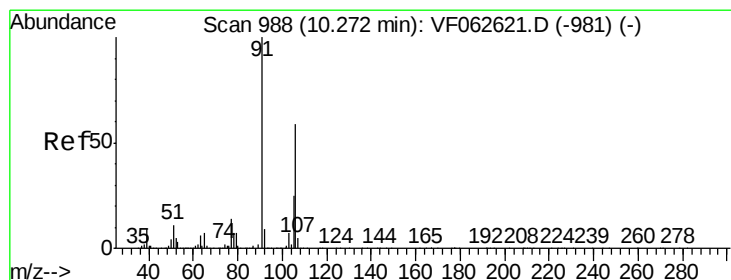
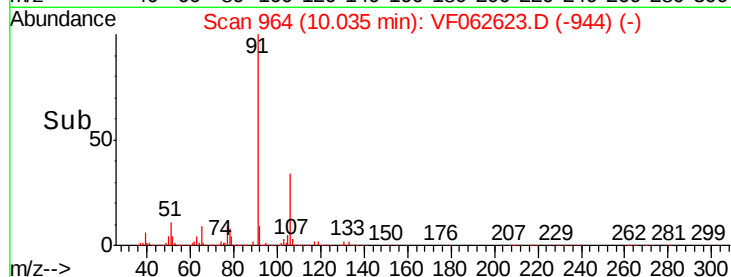
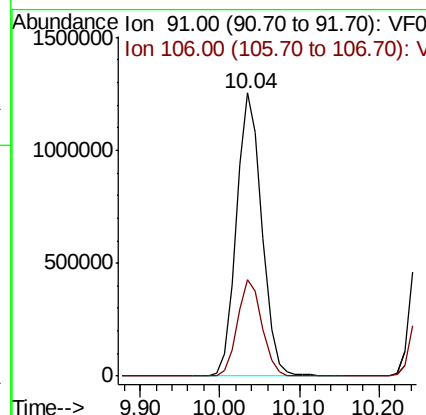
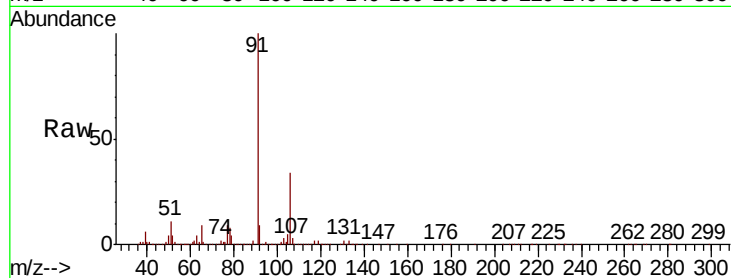




#67
Ethyl Benzene
Concen: 83.586 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

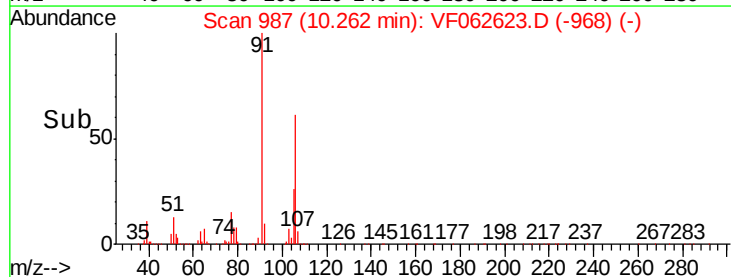
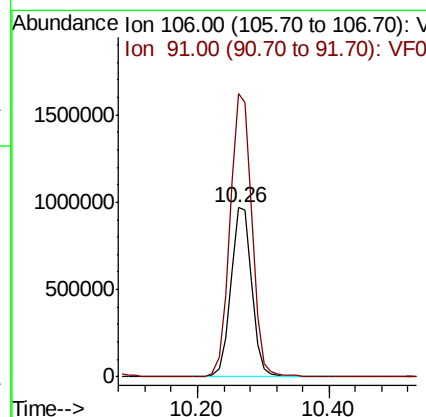
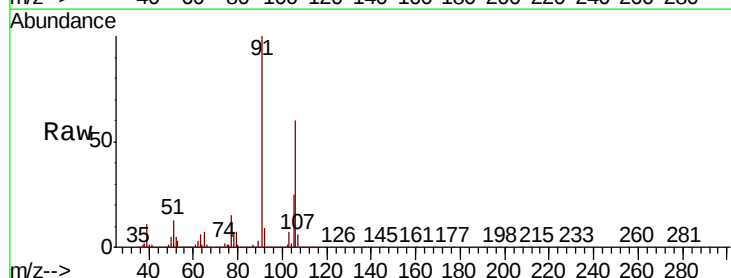
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

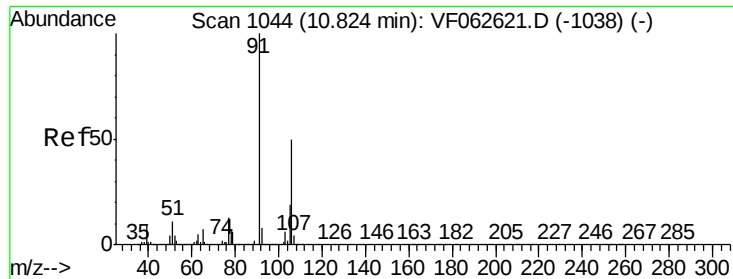
Tot Ion: 91 Resp: 2784792
Ion Ratio Lower Upper
91 100
106 34.2 25.8 38.8



#68
m/p-Xylenes
Concen: 171.821 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion: 106 Resp: 2151513
Ion Ratio Lower Upper
106 100
91 167.6 136.9 205.3

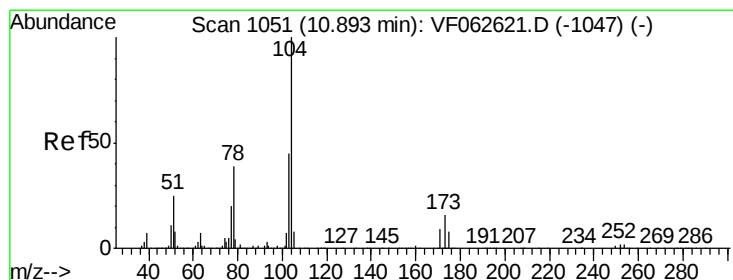
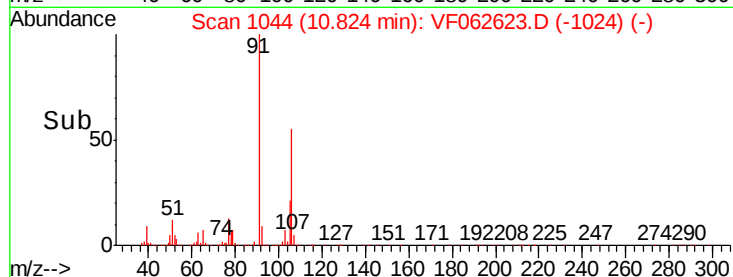
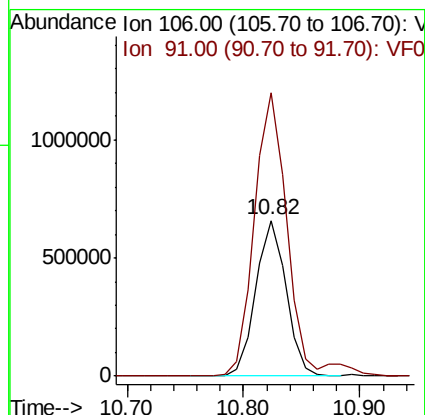
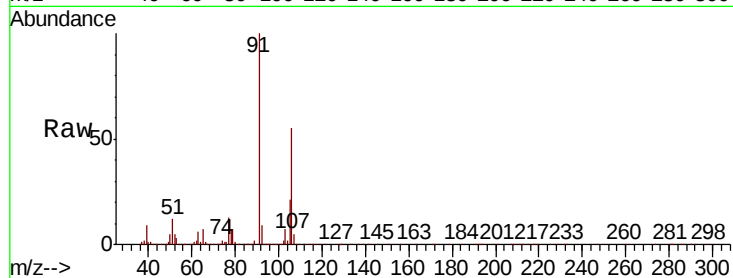




#69
o-Xylene
Concen: 92.262 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

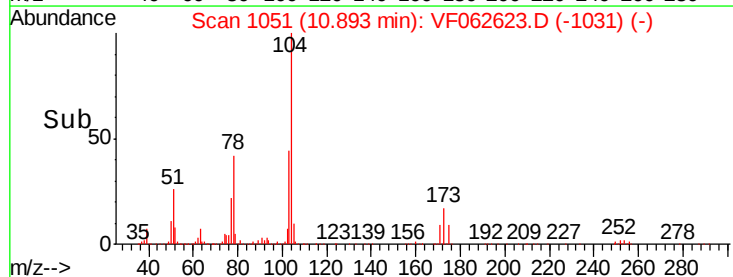
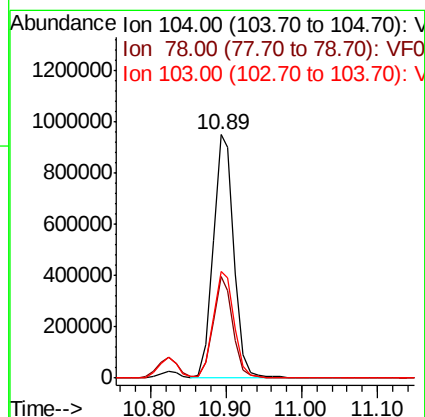
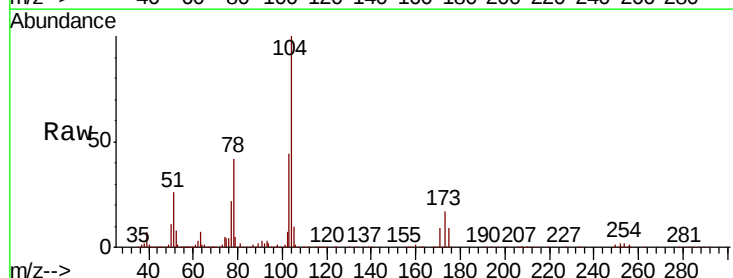
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

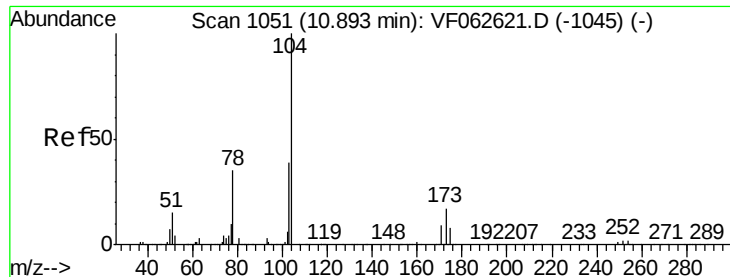
Tot Ion:106 Resp: 1189953
Ion Ratio Lower Upper
106 100
91 182.1 100.2 300.5



#70
Styrene
Concen: 92.968 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion:104 Resp: 1822499
Ion Ratio Lower Upper
104 100
78 41.9 31.9 47.9
103 44.0 36.1 54.1





#71

Bromoform

Concen: 104.069 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

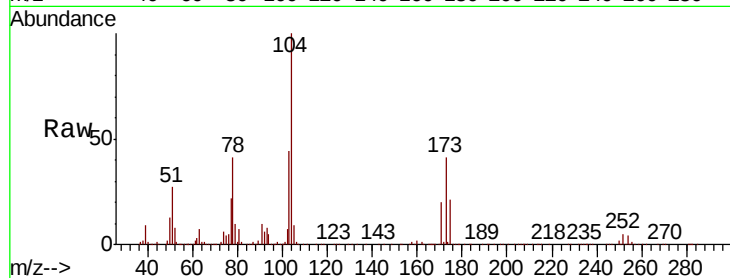
Tot Ion:173 Resp: 401285

Ion Ratio Lower Upper

173 100

175 50.9 25.3 75.9

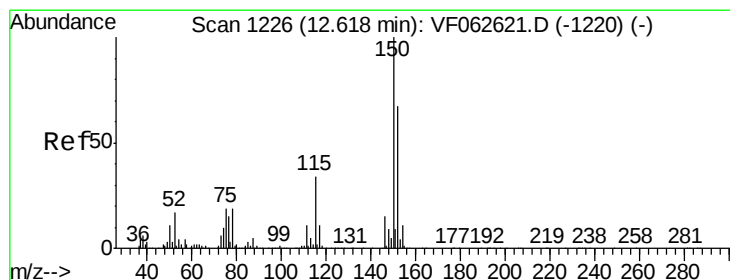
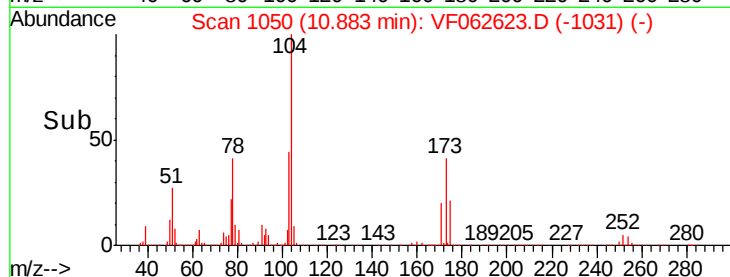
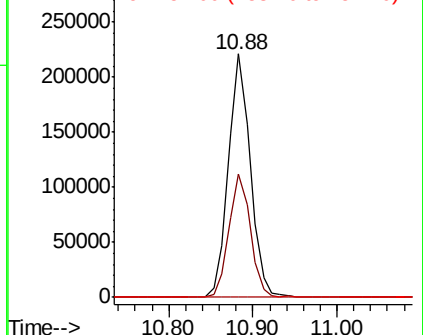
254 0.2 0.2 0.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

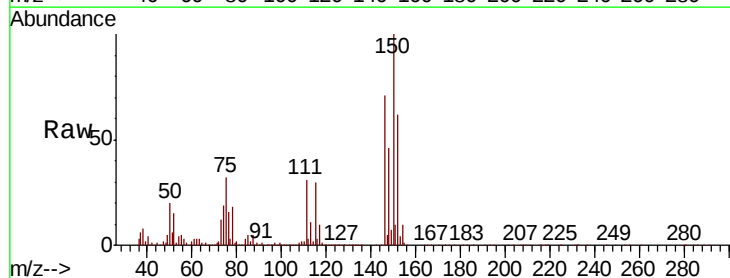
Tgt Ion:152 Resp: 467183

Ion Ratio Lower Upper

152 100

115 49.2 25.2 75.6

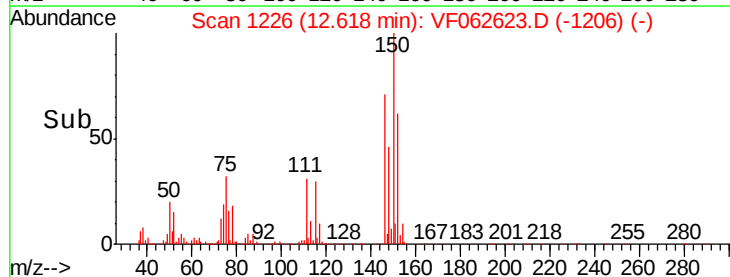
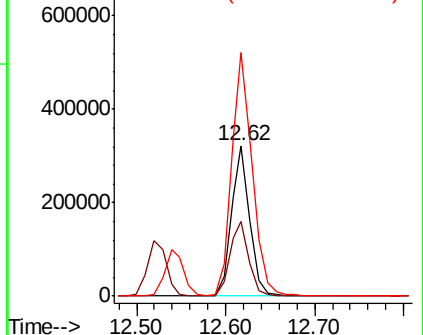
150 161.4 0.0 306.2

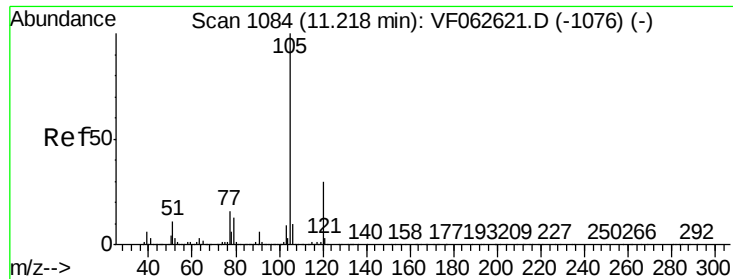


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 88.664 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

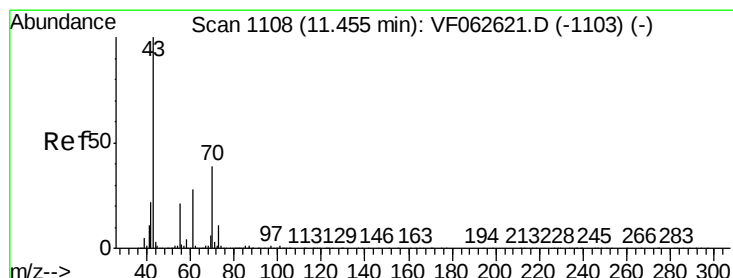
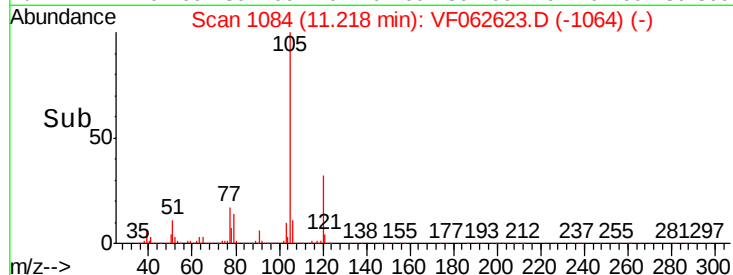
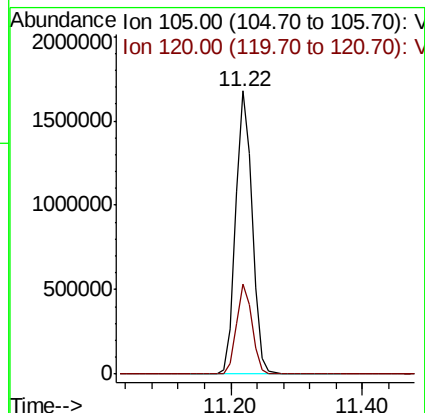
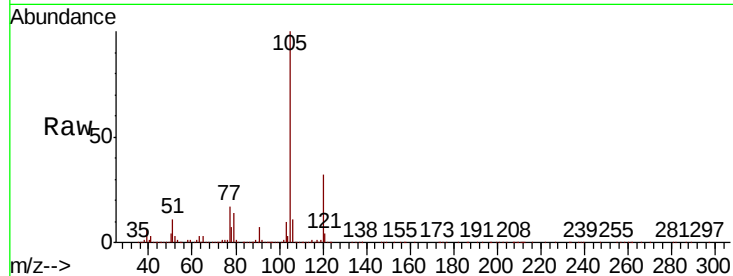
VSTDIC100

Tot Ion:105 Resp: 2968806

Ion Ratio Lower Upper

105 100

120 32.0 14.8 44.4



#74

N-ethyl acetate

Concen: 79.558 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Tgt Ion: 43 Resp: 821824

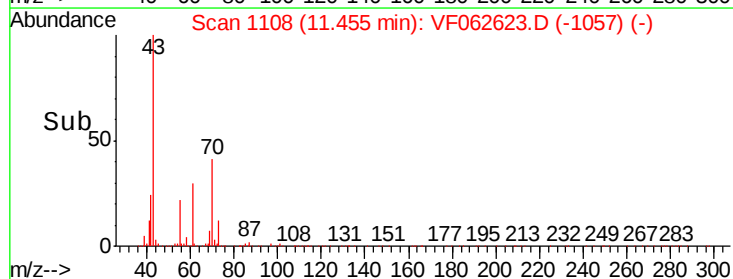
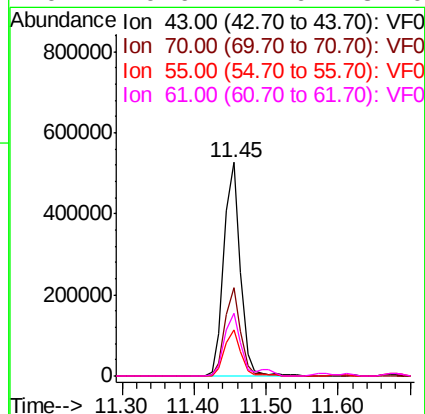
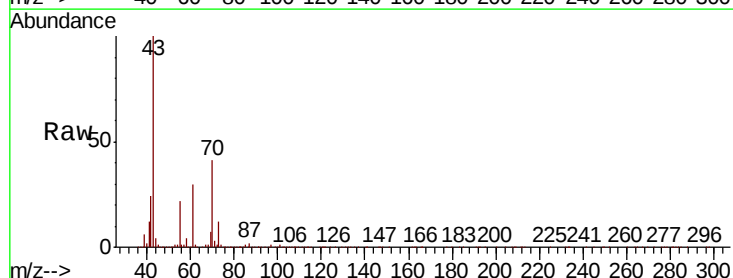
Ion Ratio Lower Upper

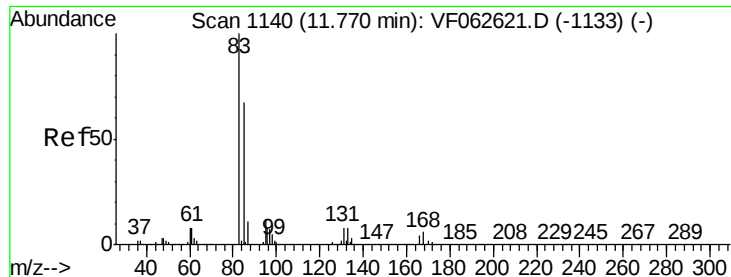
43 100

70 41.1 30.9 46.3

55 21.6 17.0 25.4

61 29.6 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 92.882 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

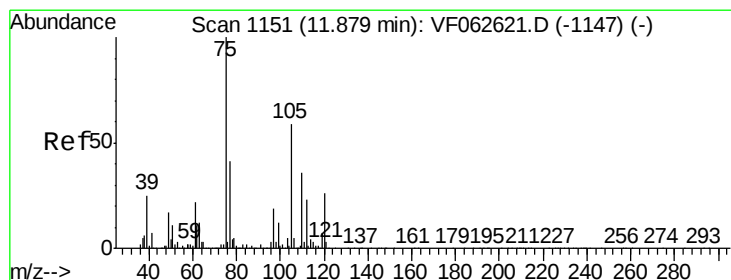
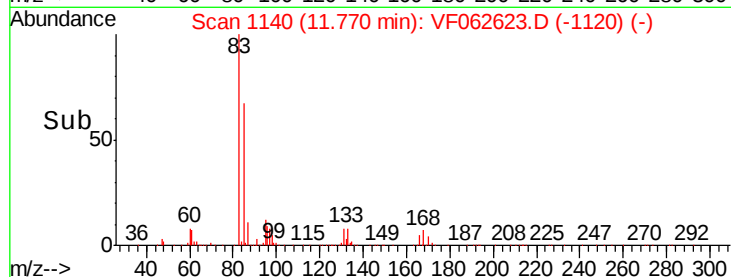
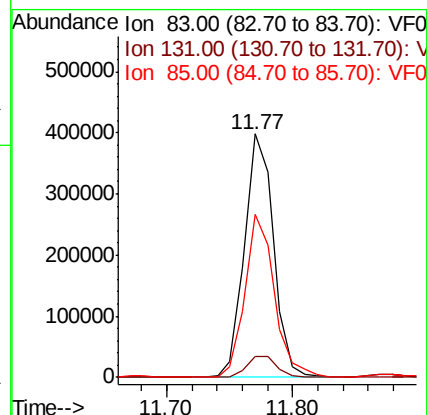
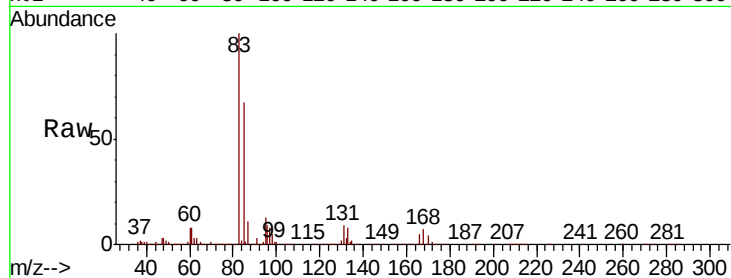
Tot Ion: 83 Resp: 635579

Ion Ratio Lower Upper

83 100

131 8.7 4.0 12.0

85 67.0 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 87.745 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062623.D

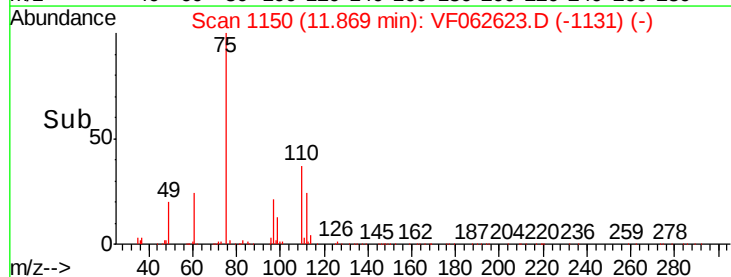
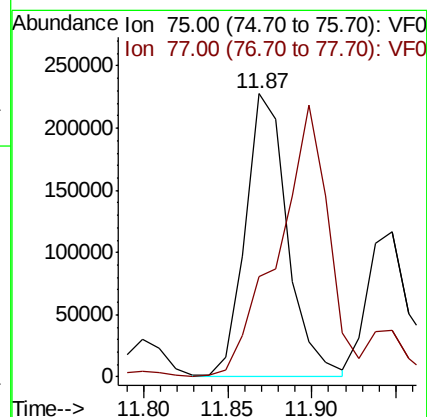
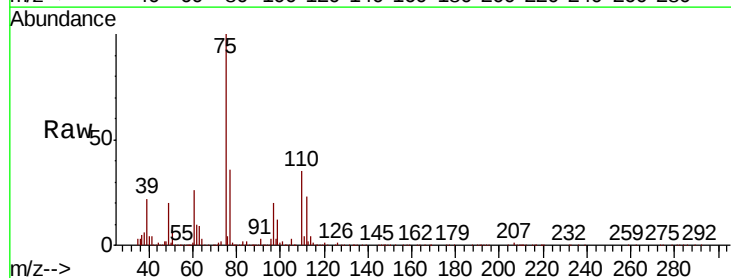
Acq: 16 May 2019 12:57

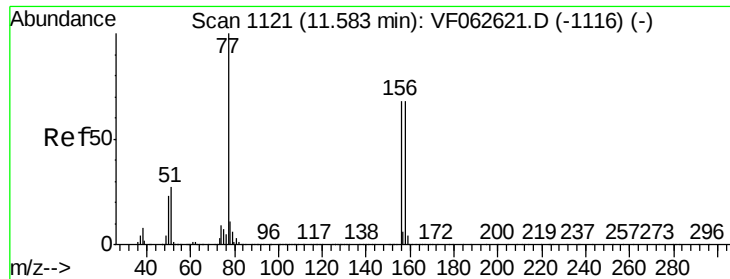
Tgt Ion: 75 Resp: 394518

Ion Ratio Lower Upper

75 100

77 35.6 20.6 61.8





#77

Bromobenzene

Concen: 95.818 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

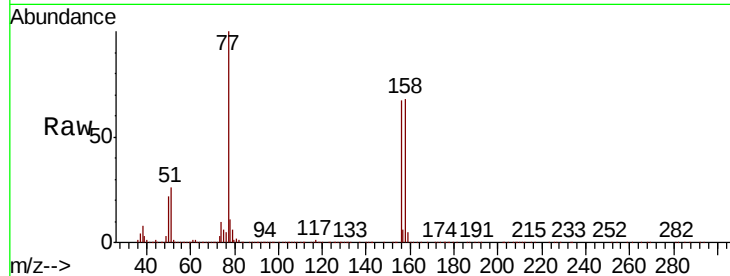
Tot Ion:156 Resp: 797493

Ion Ratio Lower Upper

156 100

77 148.8 73.6 220.8

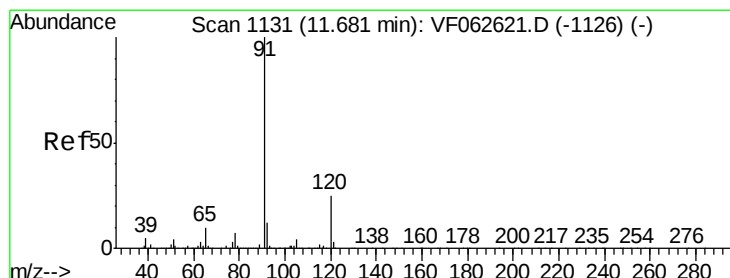
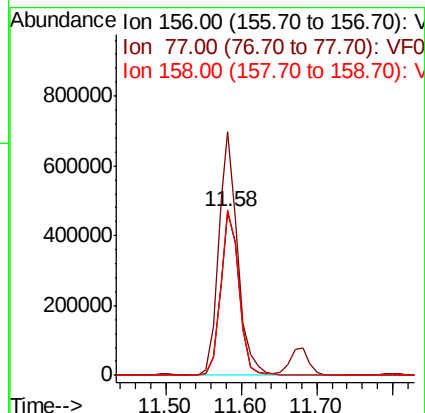
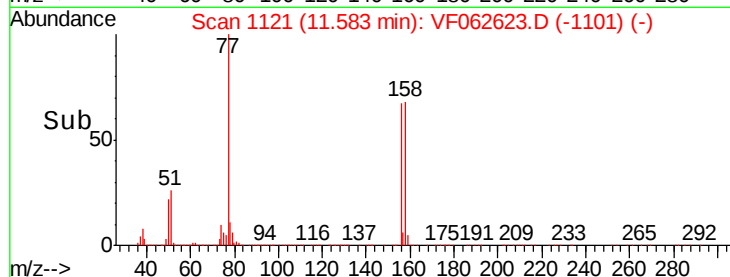
158 101.6 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 83.903 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062623.D

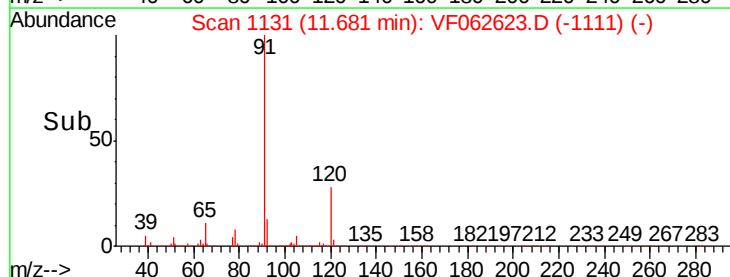
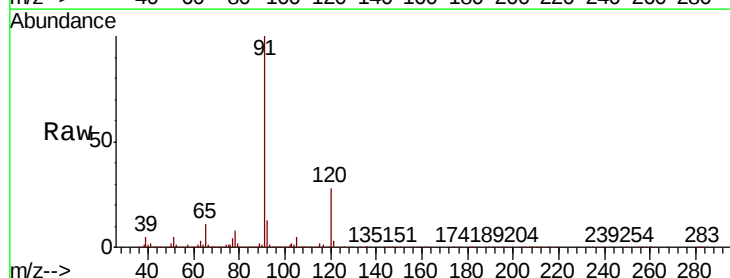
Acq: 16 May 2019 12:57

Tgt Ion: 91 Resp: 3324838

Ion Ratio Lower Upper

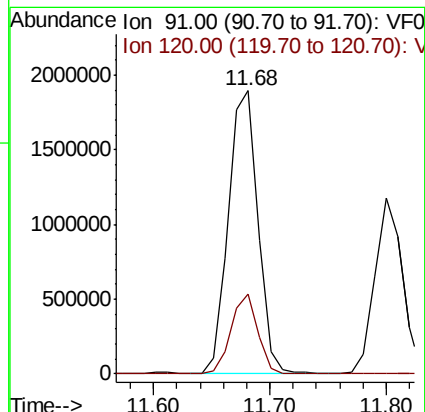
91 100

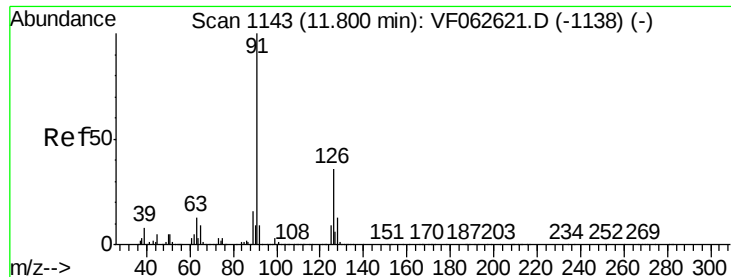
120 28.0 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 85.595 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

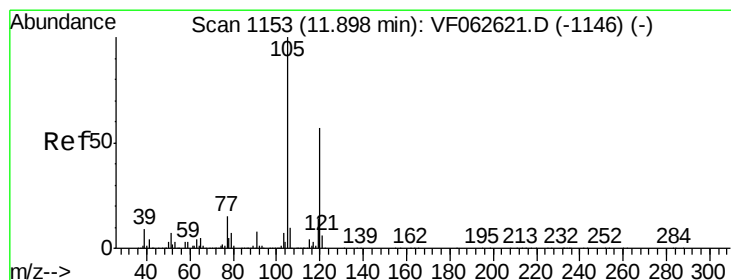
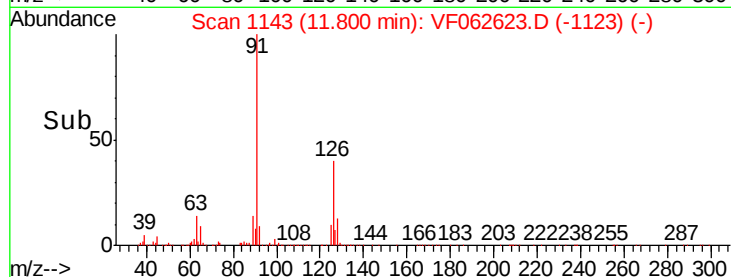
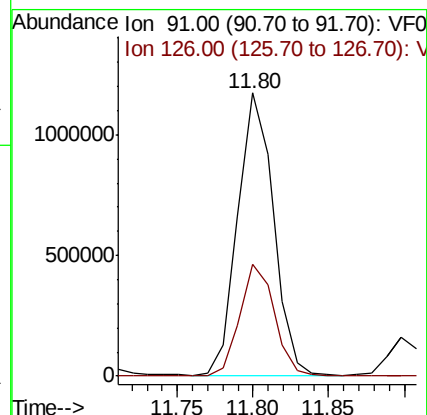
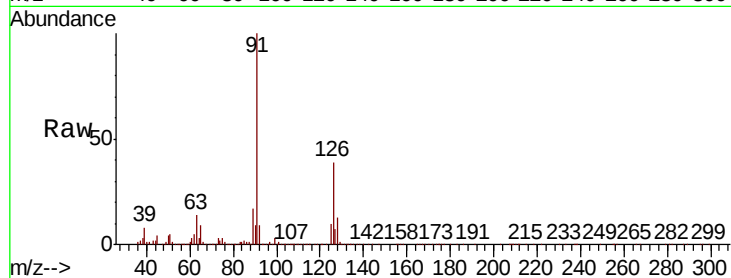
VSTDIC100

Tot Ion: 91 Resp: 1911534

Ion Ratio Lower Upper

91 100

126 39.3 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 83.491 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF062623.D

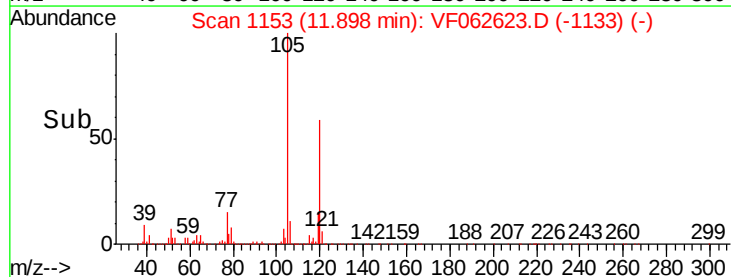
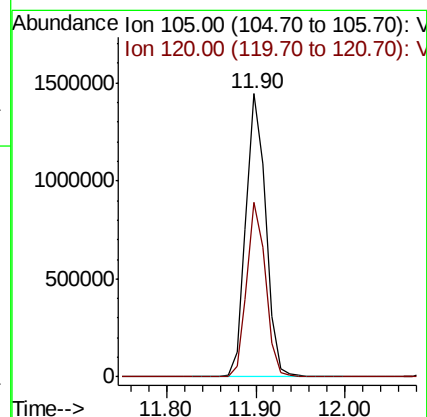
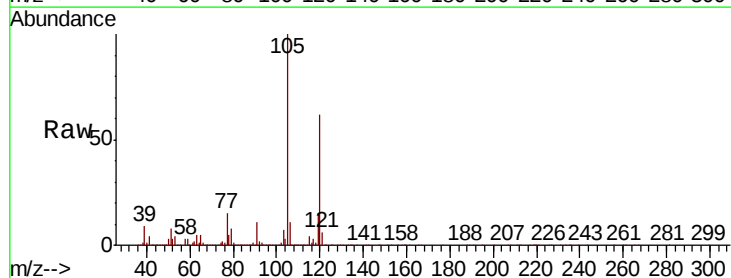
Acq: 16 May 2019 12:57

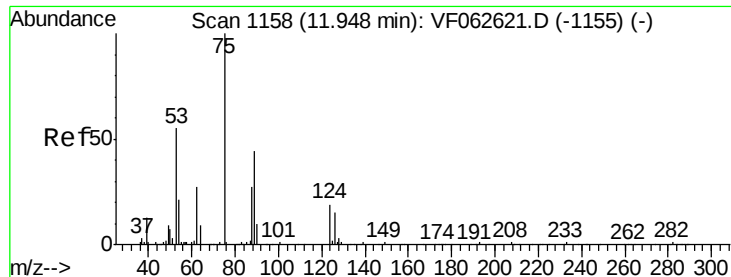
Tgt Ion: 105 Resp: 2241635

Ion Ratio Lower Upper

105 100

120 61.7 28.7 86.3

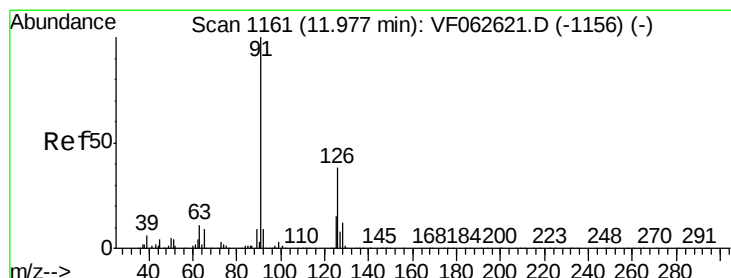
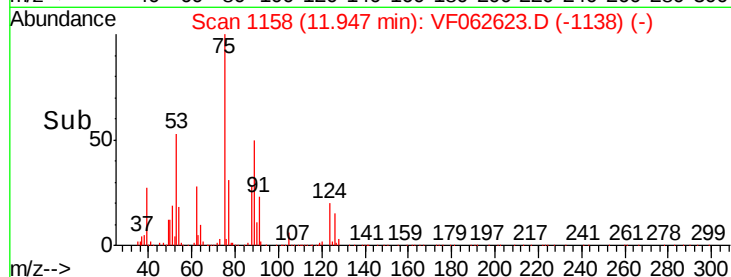
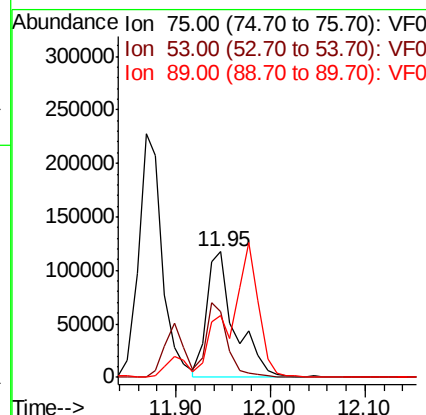
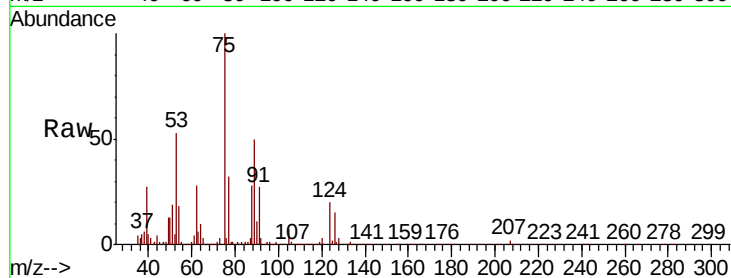




#81
trans-1,4-Dichloro-2-butene
Concen: 97.510 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

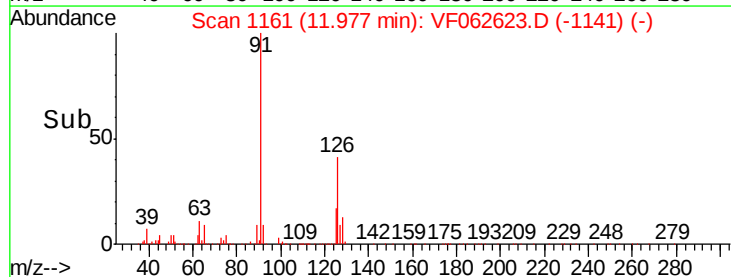
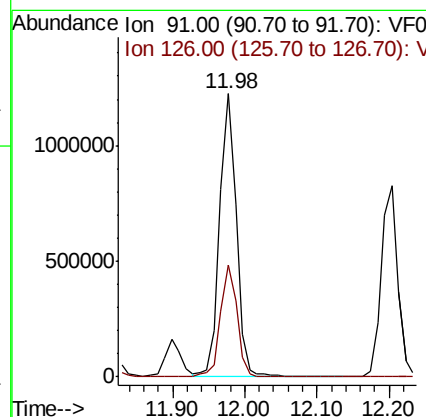
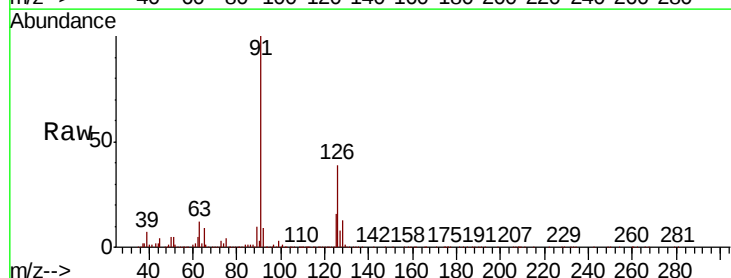
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

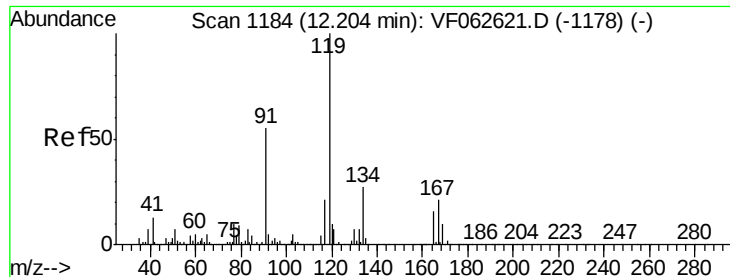
Tot Ion: 75 Resp: 243586
Ion Ratio Lower Upper
75 100
53 52.9 46.9 70.3
89 49.5 36.4 54.6



#82
4-Chlorotoluene
Concen: 88.202 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion: 91 Resp: 1942443
Ion Ratio Lower Upper
91 100
126 39.3 19.1 57.1

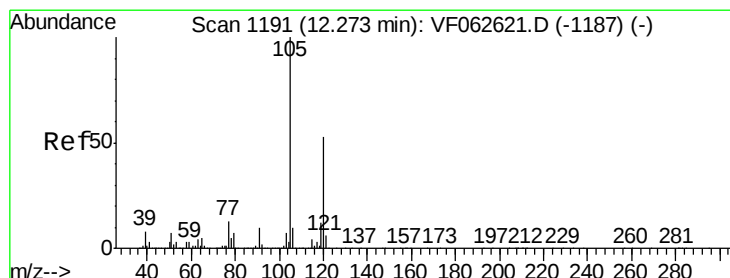
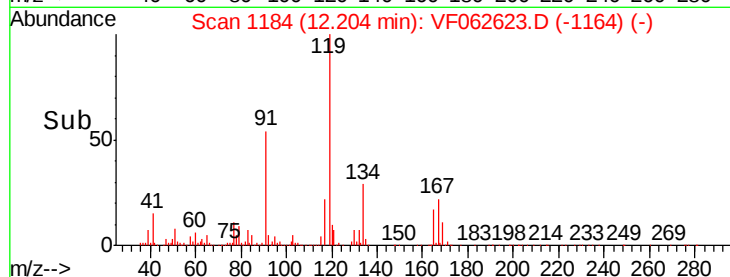
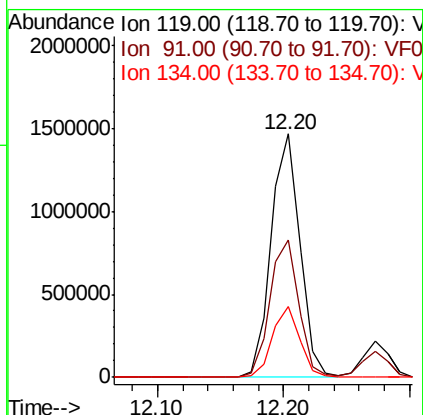
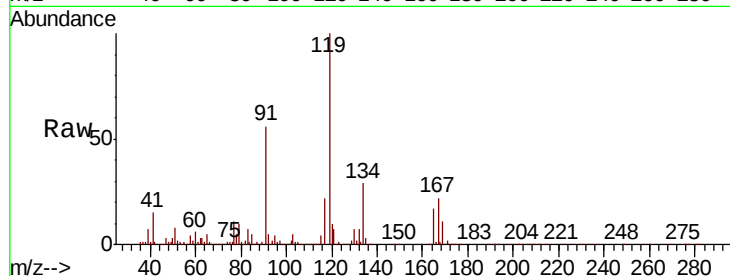




#83
tert-Butylbenzene
Concen: 86.000 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

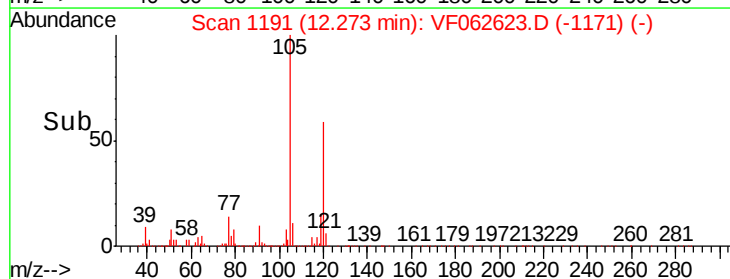
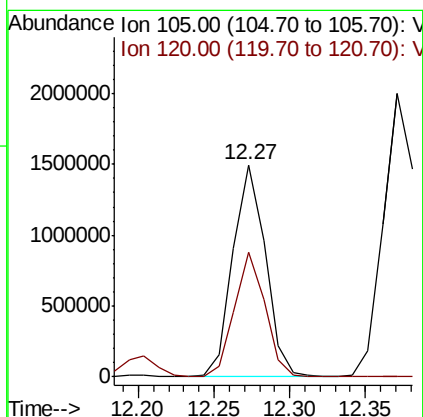
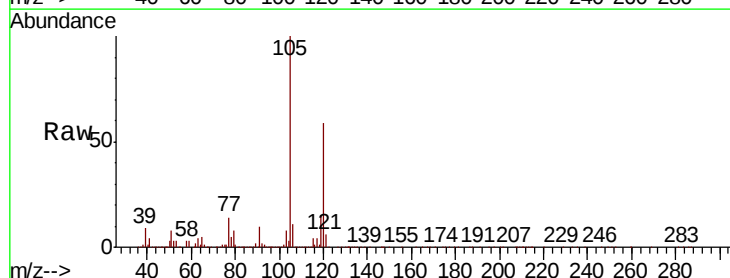
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

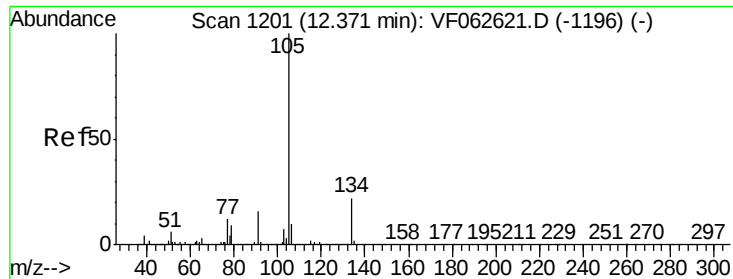
Tot Ion:119 Resp: 2342589
Ion Ratio Lower Upper
119 100
91 56.3 27.3 81.9
134 28.9 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 86.176 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion:105 Resp: 2239379
Ion Ratio Lower Upper
105 100
120 58.9 26.7 80.1





#85

sec-Butylbenzene

Concen: 84.985 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

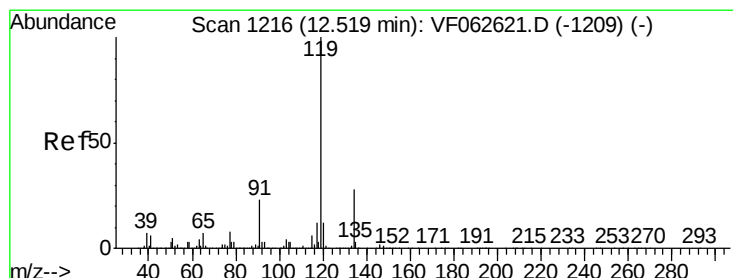
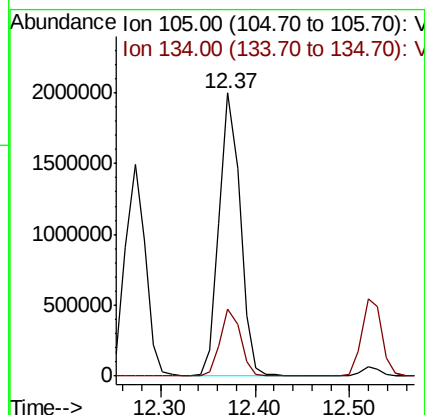
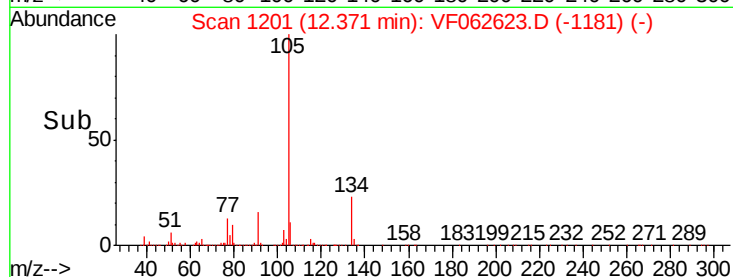
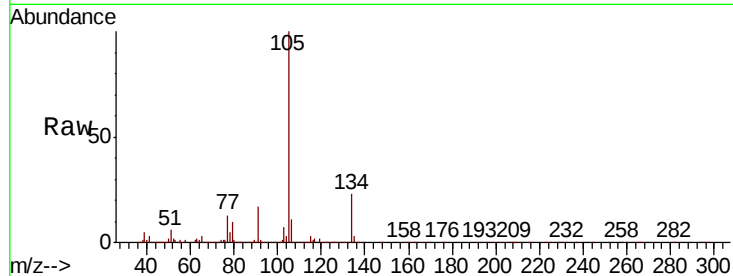
VSTDIC100

Tot Ion:105 Resp: 3106706

Ion Ratio Lower Upper

105 100

134 23.5 10.8 32.4



#86

p-Isopropyltoluene

Concen: 85.367 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

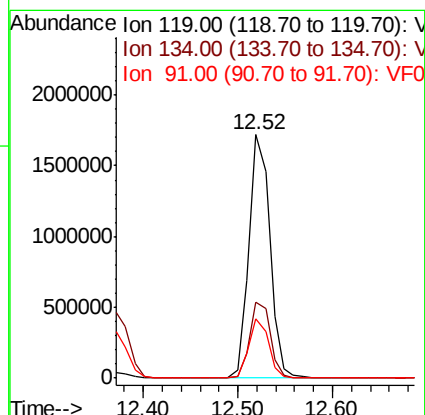
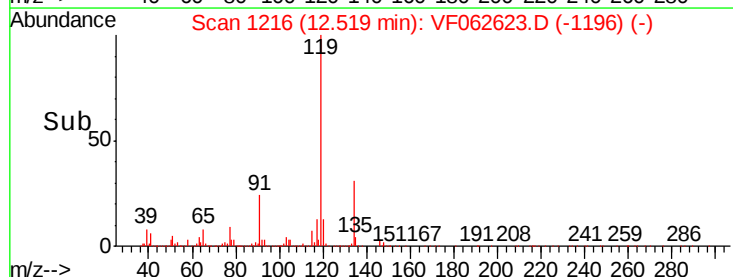
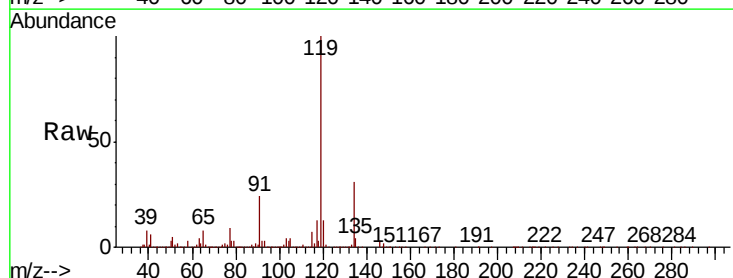
Tgt Ion:119 Resp: 2629937

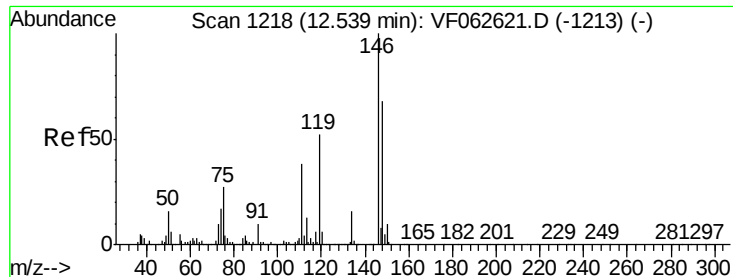
Ion Ratio Lower Upper

119 100

134 31.4 14.1 42.3

91 24.1 11.4 34.2

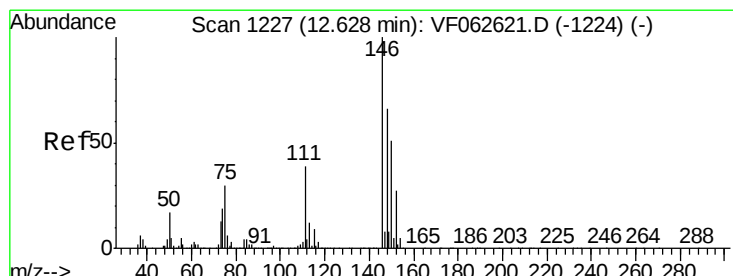
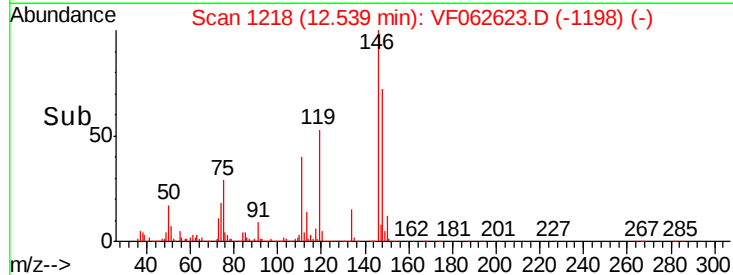
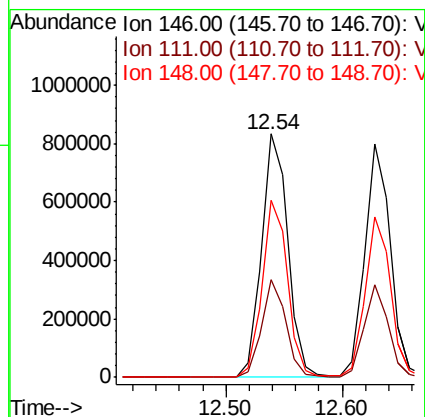
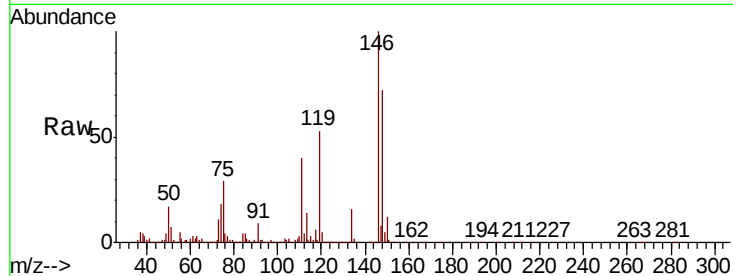




#87
 1,3-Dichlorobenzene
 Concen: 86.879 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

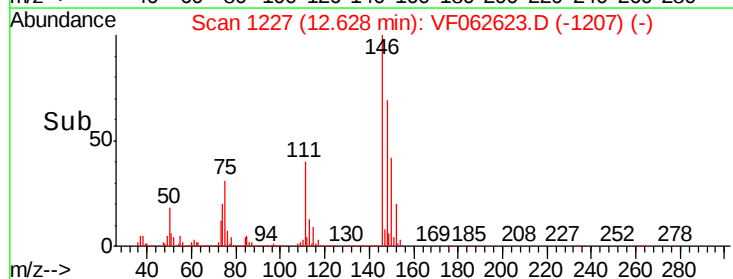
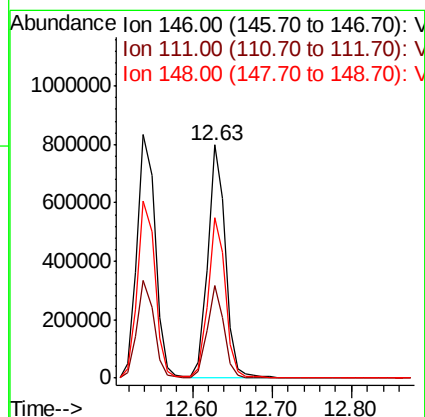
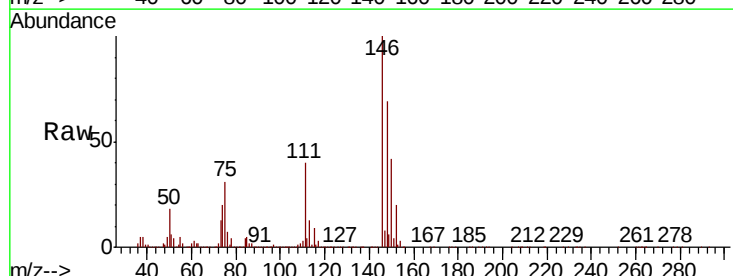
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

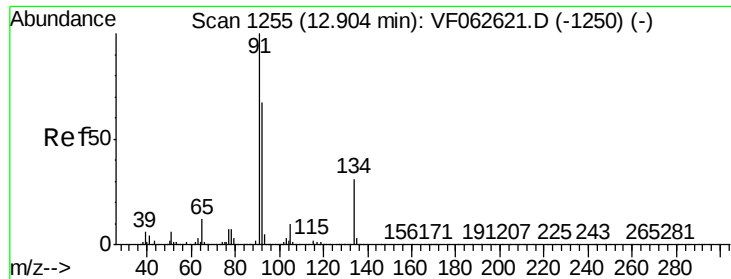
Tot Ion:146 Resp: 1308224
 Ion Ratio Lower Upper
 146 100
 111 40.2 18.9 56.9
 148 72.5 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 86.727 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion:146 Resp: 1225530
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.4 58.2
 148 68.7 33.2 99.6

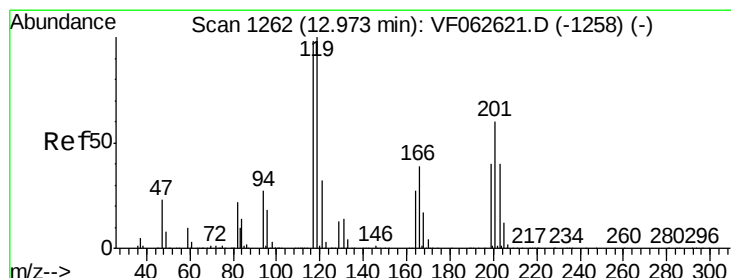
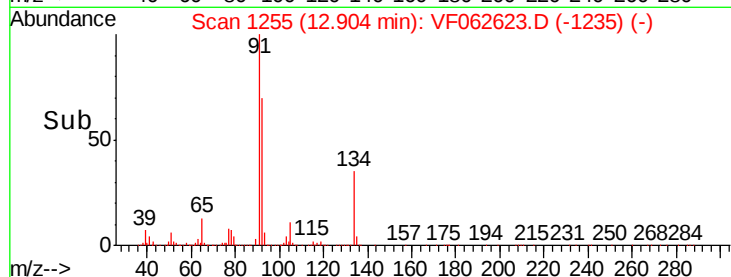
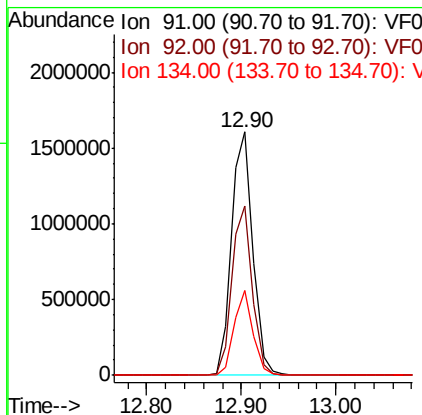
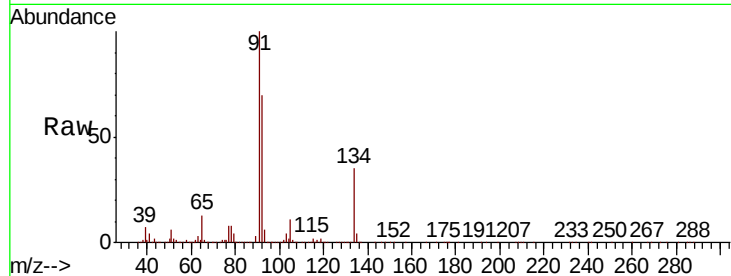




#89
n-Butylbenzene
Concen: 81.961 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

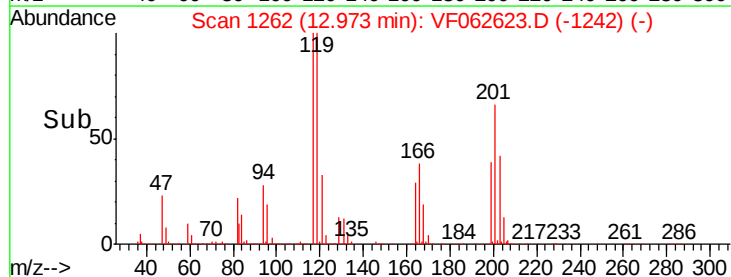
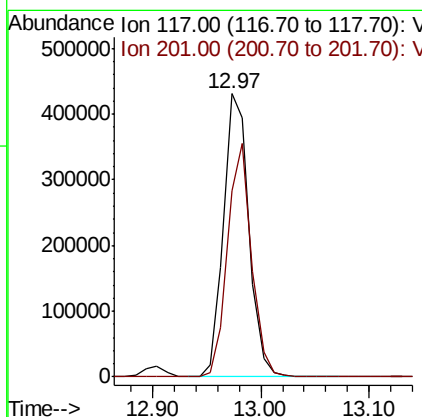
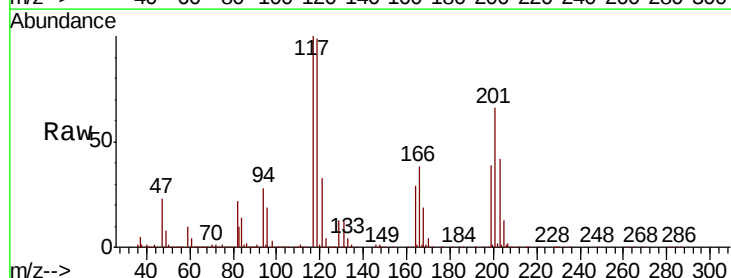
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

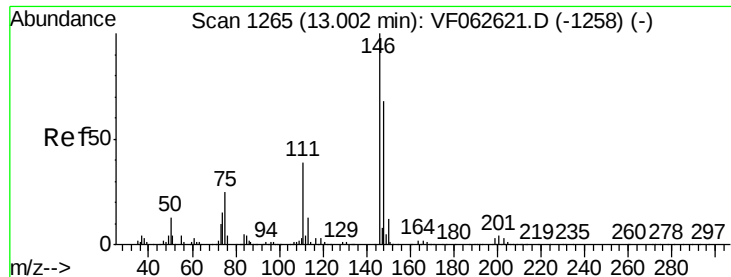
Tot Ion: 91 Resp: 2489559
Ion Ratio Lower Upper
91 100
92 69.8 33.3 99.8
134 35.0 15.4 46.4



#90
Hexachloroethane
Concen: 95.153 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion: 117 Resp: 703217
Ion Ratio Lower Upper
117 100
201 66.0 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 87.990 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

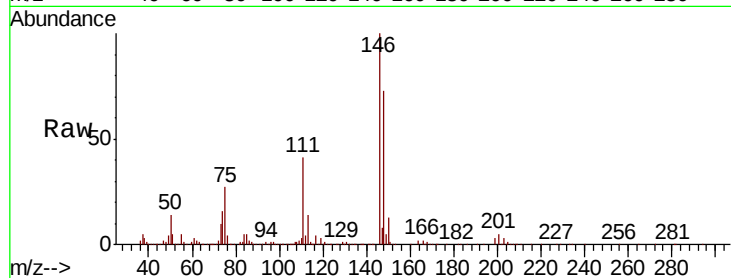
Tot Ion:146 Resp: 1181058

Ion Ratio Lower Upper

146 100

111 41.1 19.8 59.3

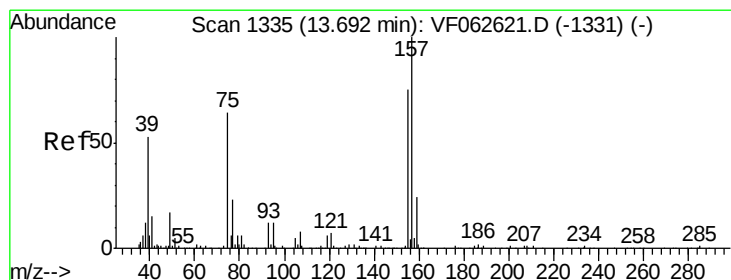
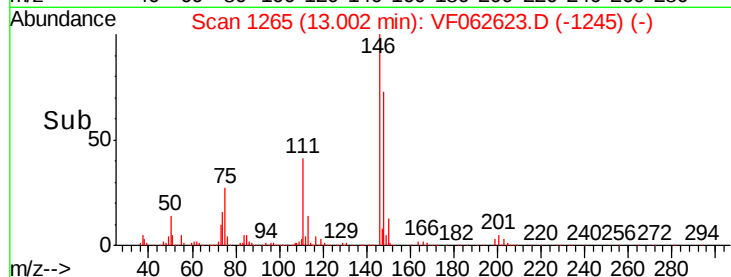
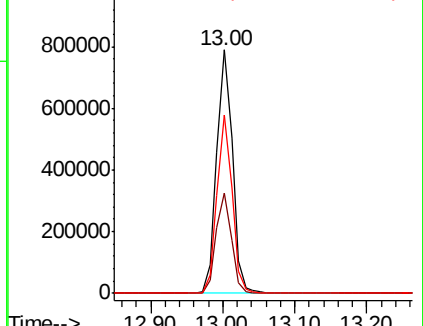
148 73.4 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 103.161 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

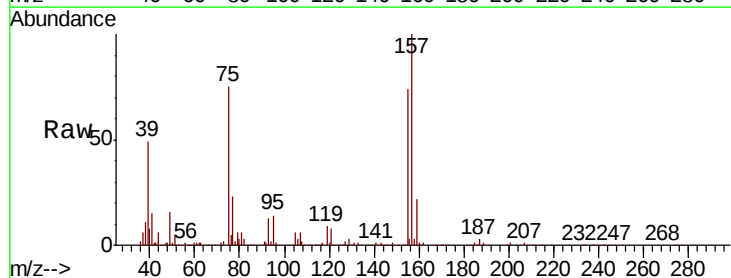
Tgt Ion: 75 Resp: 84213

Ion Ratio Lower Upper

75 100

155 98.2 58.1 174.3

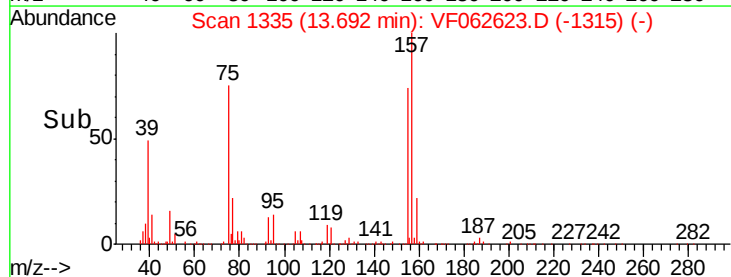
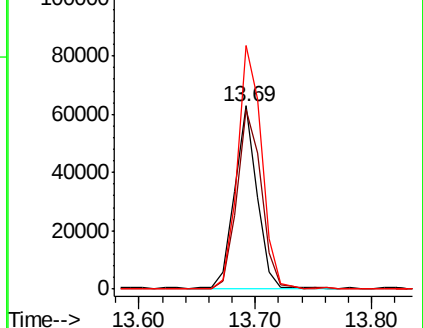
157 132.8 77.8 233.4

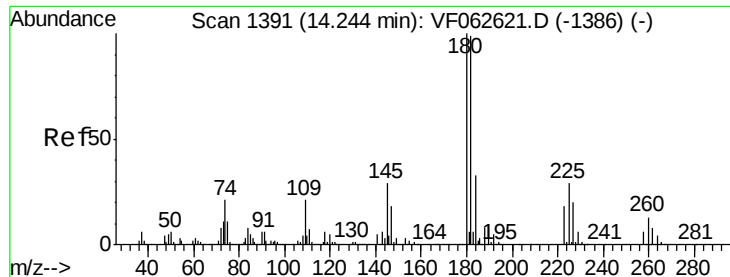


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

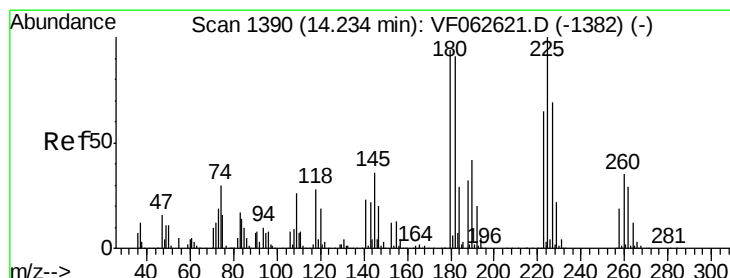
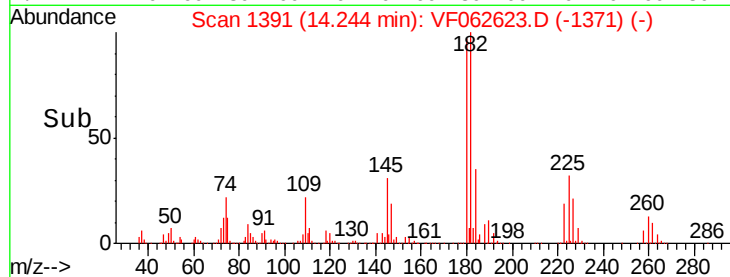
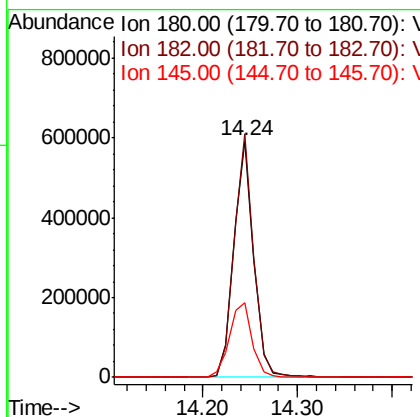
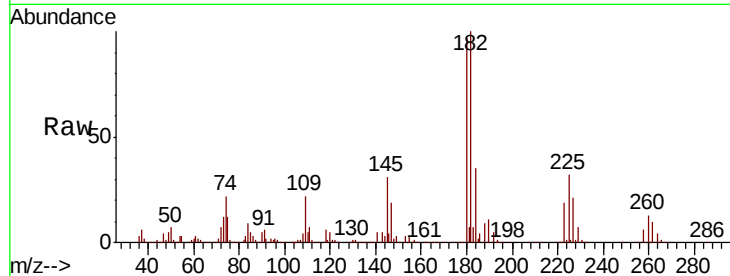




#93
 1,2,4-Trichlorobenzene
 Concen: 89.680 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

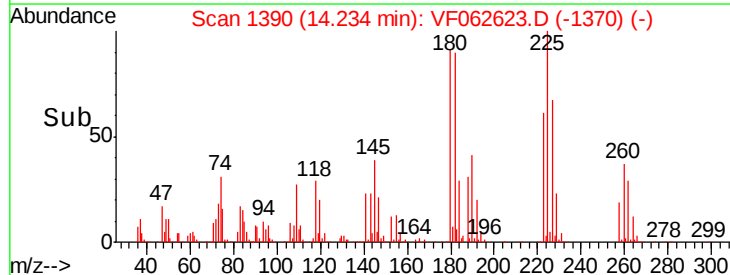
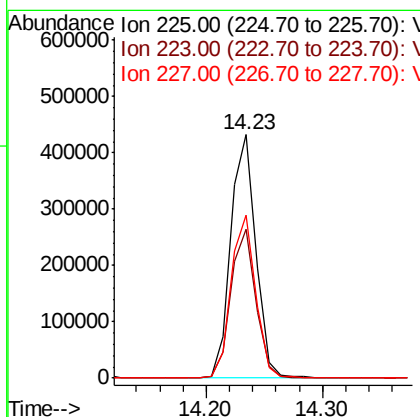
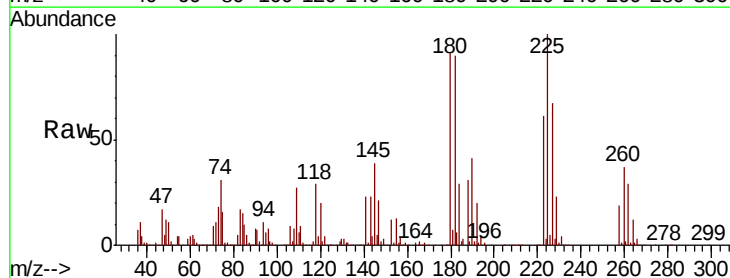
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

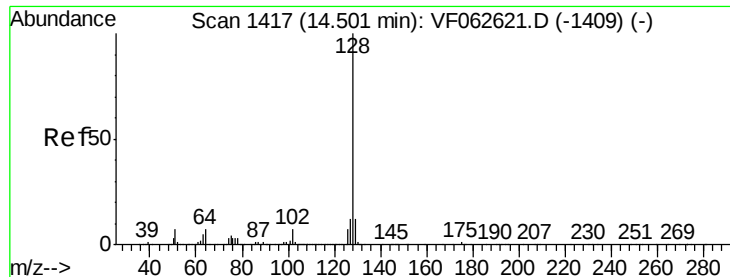
Tot Ion	Ratio	Lower	Upper
180	100		
182	103.0	49.7	149.1
145	31.8	14.6	44.0



#94
 Hexachlorobutadiene
 Concen: 96.007 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	32.5	97.4
227	66.9	34.5	103.5





#95

Naphthalene

Concen: 96.361 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

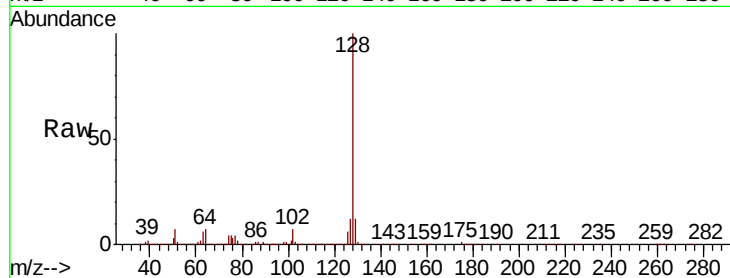
MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1681957

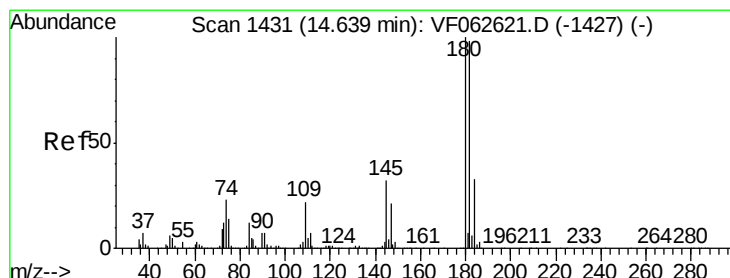
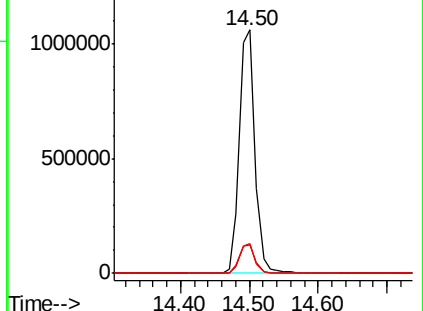
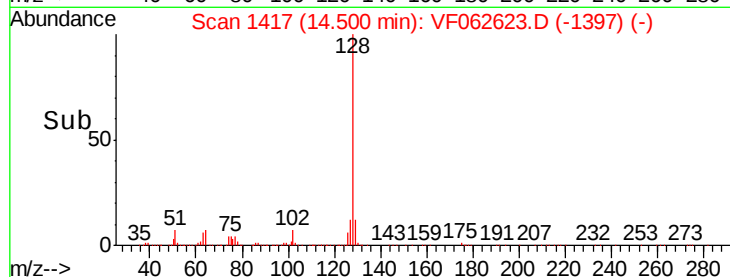
Ion	Ratio	Lower	Upper
128	100		
127	11.7	9.7	14.5
129	12.1	9.3	13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 100.383 ug/l

RT: 14.64 min Scan# 1431

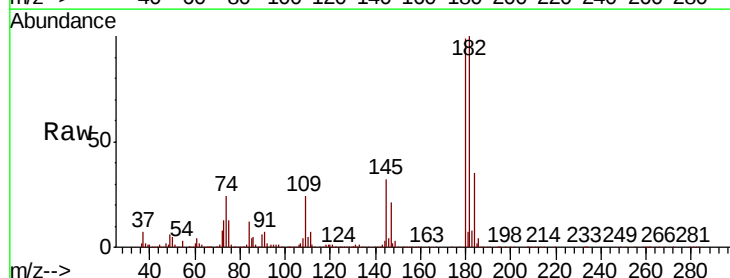
Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Tgt Ion:180 Resp: 913556

Ion	Ratio	Lower	Upper
180	100		
182	101.3	48.9	146.7
145	32.4	16.1	48.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

