

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050619\
 Data File : VF062343.D
 Acq On : 6 May 2019 18:40
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Quant Time: May 07 03:40:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 03:35:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	326867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	431184	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	348809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	219398	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	55813	15.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.64%	
35) Dibromofluoromethane	4.30	113	66175	15.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.92%	
50) Toluene-d8	7.71	98	158753	15.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.58%	
62) 4-Bromofluorobenzene	11.49	95	69343	16.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	86743	18.870	ug/l	91
3) Chloromethane	1.15	50	54500	15.082	ug/l	97
4) Vinyl Chloride	1.19	62	53604	15.309	ug/l	99
5) Bromomethane	1.39	94	40654	15.950	ug/l	84
6) Chloroethane	1.44	64	26562	16.271	ug/l #	80
7) Trichlorofluoromethane	1.56	101	114658	18.519	ug/l	95
8) Diethyl Ether	1.71	74	16647	16.119	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.91	101	61510	16.475	ug/l	94
10) Methyl Iodide	1.98	142	88943	13.871	ug/l	99
11) Tert butyl alcohol	2.70	59	15058	74.858	ug/l	94
12) 1,1-Dichloroethene	1.88	96	52053	15.921	ug/l	90
13) Acrolein	2.10	56	13171	87.122	ug/l	90
14) Allyl chloride	2.19	41	47324	14.234	ug/l	98
15) Acrylonitrile	3.09	53	33602	66.336	ug/l	95
16) Acetone	2.35	43	66174	87.768	ug/l	96
17) Carbon Disulfide	1.92	76	93096	11.383	ug/l #	91
18) Methyl Acetate	2.46	43	25411	16.769	ug/l	94
19) Methyl tert-butyl Ether	2.55	73	103537	16.060	ug/l #	92
20) Methylene Chloride	2.34	84	37514	10.262	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	48645	15.207	ug/l	98
22) Diisopropyl ether	2.94	45	139011	14.359	ug/l	99
23) Vinyl Acetate	3.34	43	308795	71.335	ug/l	98
24) 1,1-Dichloroethane	3.01	63	82049	14.618	ug/l	98
25) 2-Butanone	4.53	43	80102	72.353	ug/l	95
26) 2,2-Dichloropropane	3.77	77	46450	15.831	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	61665	15.012	ug/l	98
28) Bromochloromethane	3.90	49	33871	13.685	ug/l #	97
29) Tetrahydrofuran	4.27	42	36065	74.685	ug/l	98
30) Chloroform	4.05	83	119902	16.570	ug/l	100
31) Cyclohexane	3.87	56	68386	13.601	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	85259	16.044	ug/l	95
36) 1,1-Dichloropropene	4.47	75	79829	16.667	ug/l	98
37) Ethyl Acetate	4.31	43	35983	17.938	ug/l #	95
38) Carbon Tetrachloride	4.17	117	87356	17.753	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	78641	14.561	ug/l	97
40) Benzene	4.82	78	173172	15.535	ug/l	99
41) Methacrylonitrile	4.93	41	17706	15.947	ug/l	94
42) 1,2-Dichloroethane	5.13	62	69991	17.783	ug/l	98
43) Isopropyl Acetate	7.11	43	31785	14.718	ug/l #	93
44) Trichloroethene	5.68	130	66087	17.019	ug/l	99
45) 1,2-Dichloropropane	6.40	63	37198	14.609	ug/l	97
46) Dibromomethane	6.25	93	32211	16.782	ug/l	96
47) Bromodichloromethane	6.55	83	79070	17.133	ug/l #	95
48) Methyl methacrylate	6.87	41	23662	15.609	ug/l	98
49) 1,4-Dioxane	6.87	88	5689	338.492	ug/l #	68
51) 4-Methyl-2-Pentanone	8.40	43	132981	82.677	ug/l	97
52) Toluene	7.78	92	101695	15.502	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	59107	17.329	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	68831	16.175	ug/l #	93
55) 1,1,2-Trichloroethane	8.63	97	32587	16.630	ug/l	96
56) Ethyl methacrylate	8.76	69	34889	16.517	ug/l	95
57) 1,3-Dichloropropane	8.99	76	48419	16.115	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	50908	81.367	ug/l	97
59) 2-Hexanone	9.62	43	90466	81.493	ug/l	95
60) Dibromochloromethane	8.85	129	53072	16.554	ug/l	99
61) 1,2-Dibromoethane	9.13	107	35780	15.642	ug/l	94
64) Tetrachloroethene	8.30	164	59473	16.862	ug/l	98
65) Chlorobenzene	9.93	112	122812	16.145	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	63607	17.319	ug/l	96
67) Ethyl Benzene	10.03	91	209592	15.875	ug/l	96
68) m/p-Xylenes	10.25	106	159154	32.805	ug/l	97
69) o-Xylene	10.82	106	87071	16.033	ug/l	99
70) Styrene	10.89	104	123904	15.731	ug/l	98
71) Bromoform	10.88	173	33445	16.306	ug/l #	97
73) Isopropylbenzene	11.21	105	267444	15.040	ug/l	99
74) N-amyl acetate	11.45	43	58149	14.841	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	39785	14.188	ug/l	93
76) 1,2,3-Trichloropropane	11.86	75	31332	15.337	ug/l #	100
77) Bromobenzene	11.58	156	69573	15.474	ug/l	97
78) n-propylbenzene	11.66	91	288691	15.591	ug/l	99
79) 2-Chlorotoluene	11.79	91	177472	15.595	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	236124	15.776	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	16805	19.940	ug/l #	79
82) 4-Chlorotoluene	11.97	91	172462	15.426	ug/l	98
83) tert-Butylbenzene	12.20	119	253688	16.239	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	234383	15.970	ug/l	100
85) sec-Butylbenzene	12.36	105	306383	15.930	ug/l	99
86) p-Isopropyltoluene	12.51	119	289673	16.681	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	127796	16.153	ug/l	100
88) 1,4-Dichlorobenzene	12.62	146	125500	16.404	ug/l	98
89) n-Butylbenzene	12.90	91	263671	16.917	ug/l	98
90) Hexachloroethane	12.98	117	71397	16.184	ug/l	95
91) 1,2-Dichlorobenzene	12.99	146	124932	16.353	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	9064	15.483	ug/l	95

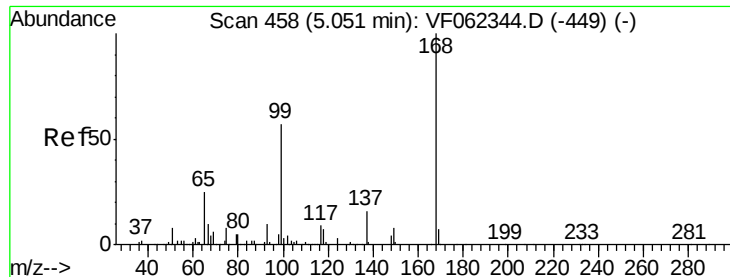
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF050619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	115732	17.045	ug/l	99
94) Hexachlorobutadiene	14.23	225	88633	17.845	ug/l	96
95) Naphthalene	14.49	128	164813	15.578	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	109634	16.809	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

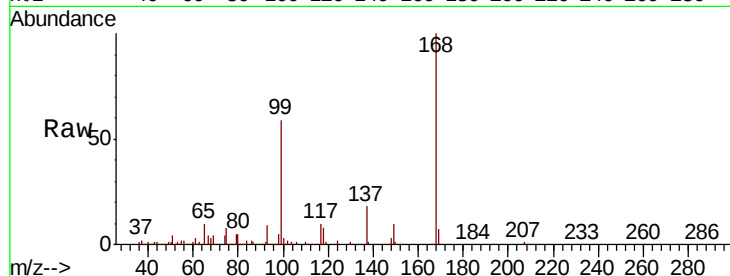
VSTDIC020

Tot Ion:168 Resp: 326867

Ion Ratio Lower Upper

168 100

99 58.7 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.05

120000

100000

80000

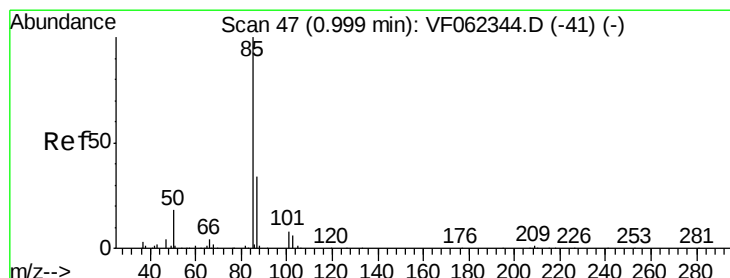
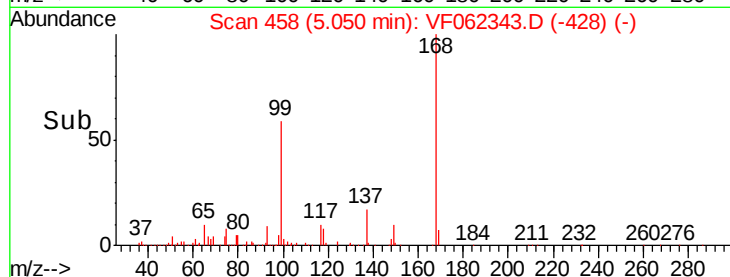
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.870 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062343.D

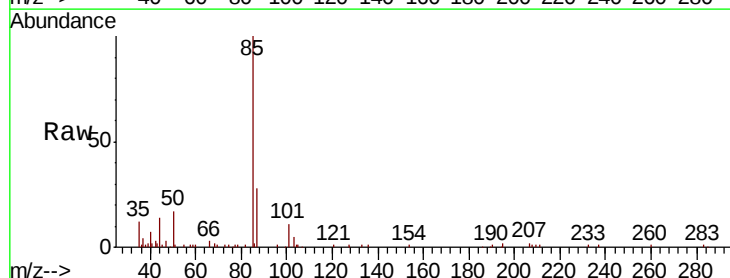
Acq: 6 May 2019 18:40

Tgt Ion: 85 Resp: 86743

Ion Ratio Lower Upper

85 100

87 28.2 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

25000

20000

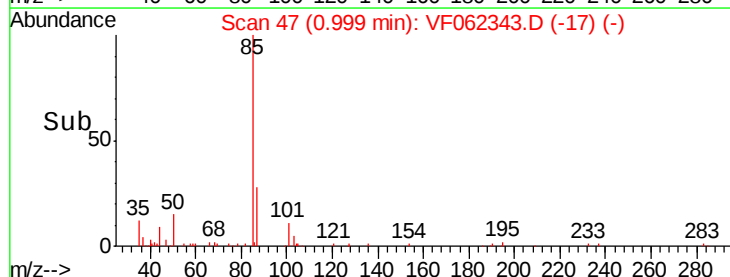
15000

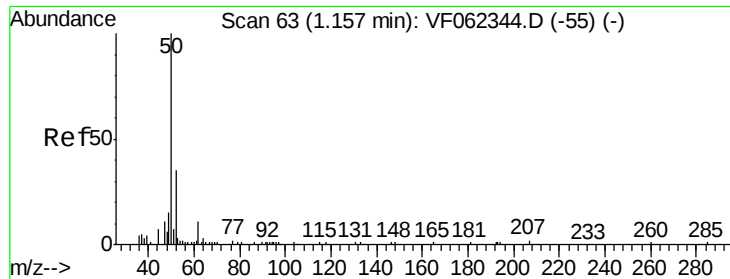
10000

5000

0

Time-->





#3

Chloromethane

Concen: 15.082 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

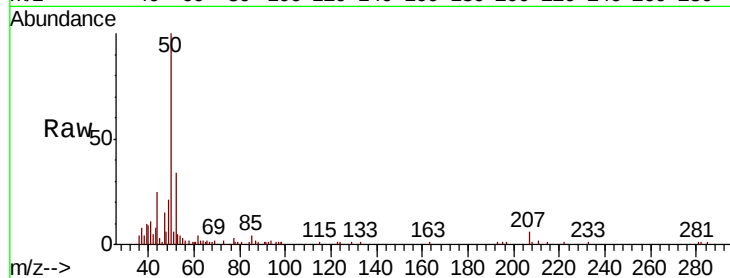
VSTDIC020

Tot Ion: 50 Resp: 54500

Ion Ratio Lower Upper

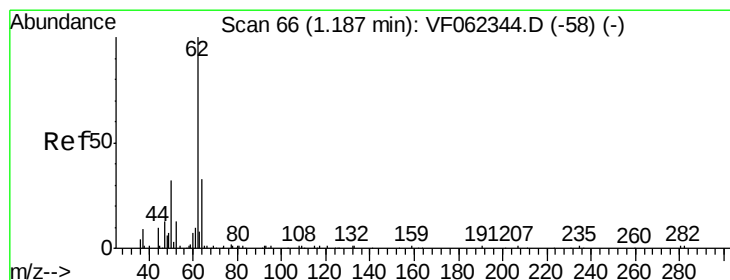
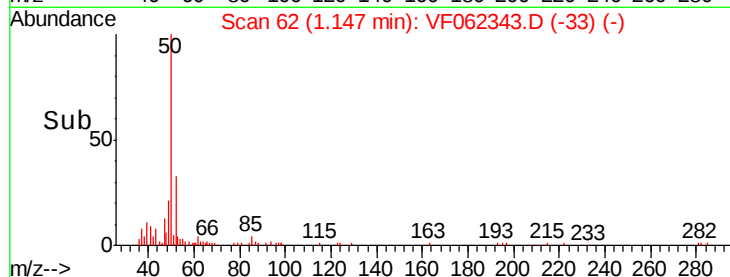
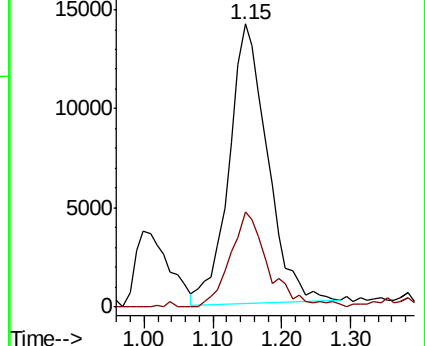
50 100

52 34.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0



#4

Vinyl Chloride

Concen: 15.309 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.00 min

Lab File: VF062343.D

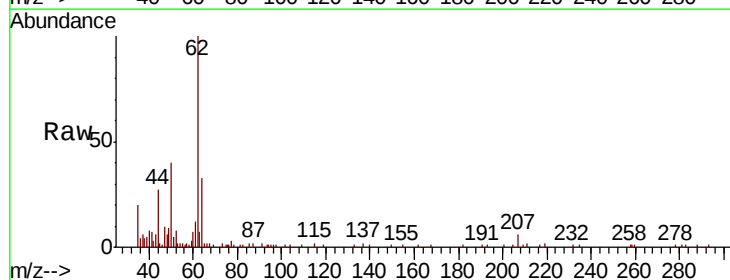
Acq: 6 May 2019 18:40

Tgt Ion: 62 Resp: 53604

Ion Ratio Lower Upper

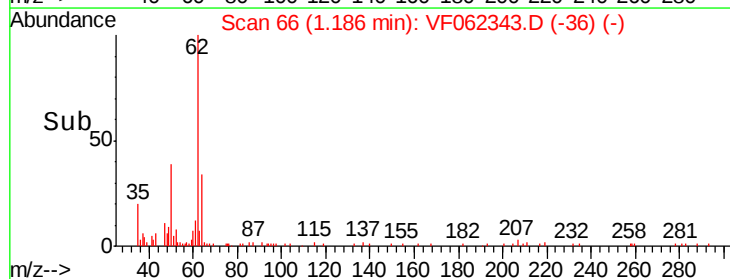
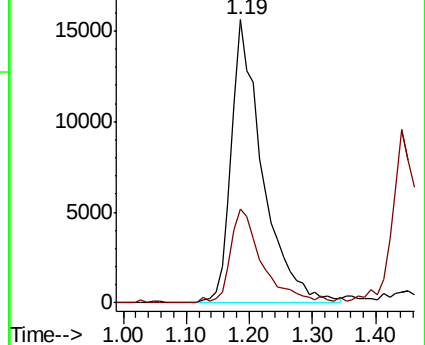
62 100

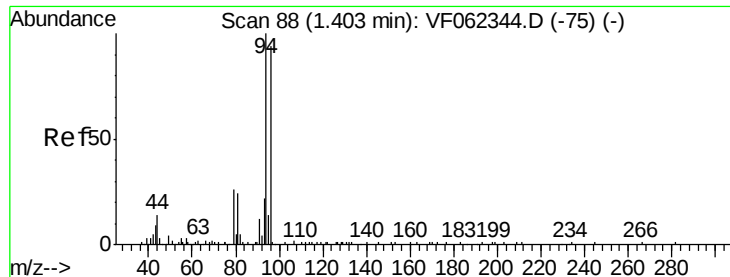
64 33.3 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 15.950 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

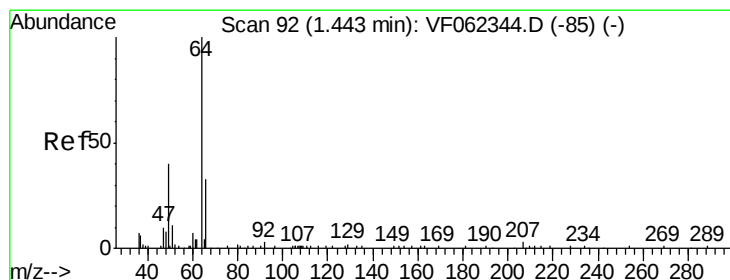
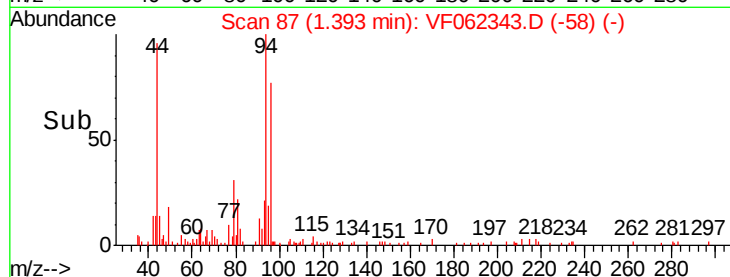
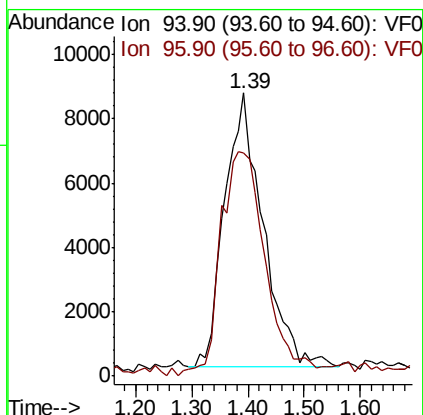
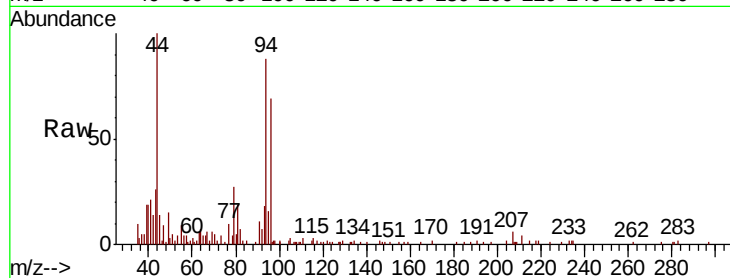
VSTDIC020

Tot Ion: 94 Resp: 40654

Ion Ratio Lower Upper

94 100

96 79.2 75.4 113.2



#6

Chloroethane

Concen: 16.271 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062343.D

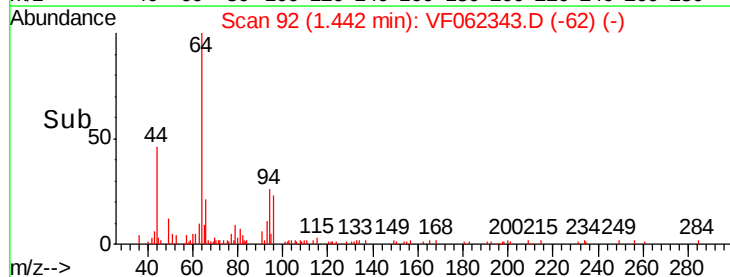
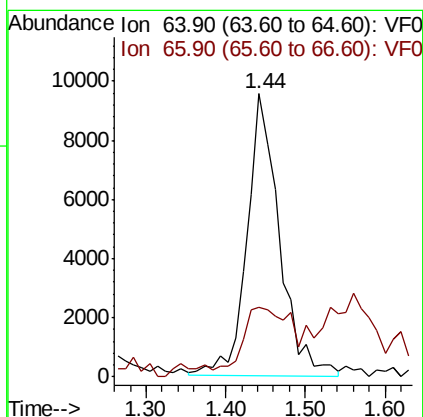
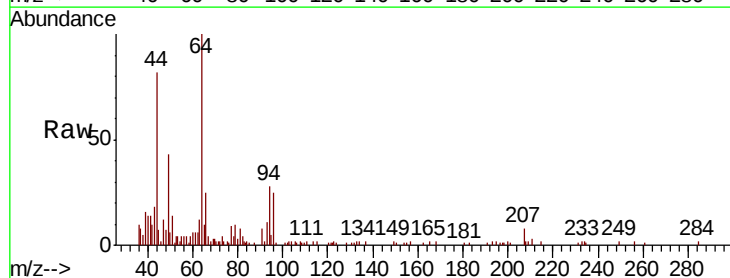
Acq: 6 May 2019 18:40

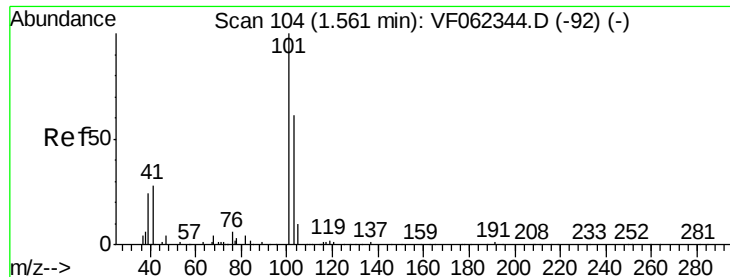
Tgt Ion: 64 Resp: 26562

Ion Ratio Lower Upper

64 100

66 21.8 26.6 39.8#



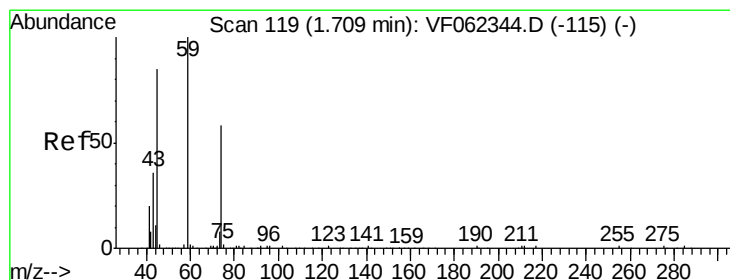
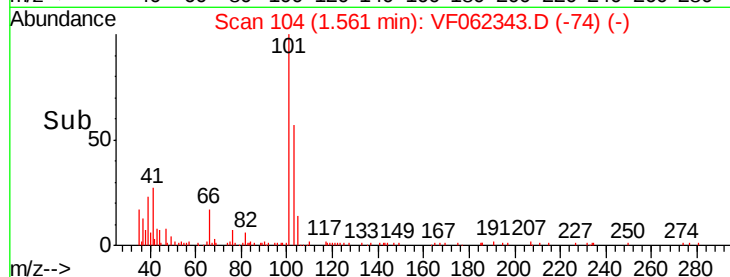
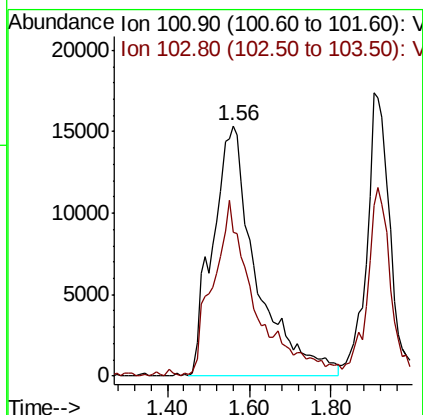
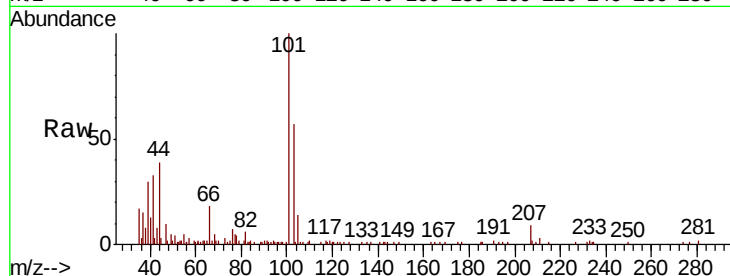


#7

Trichlorofluoromethane
 Concen: 18.519 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. -0.00 min
 Lab File: VF062343.D
 Acq: 6 May 2019 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

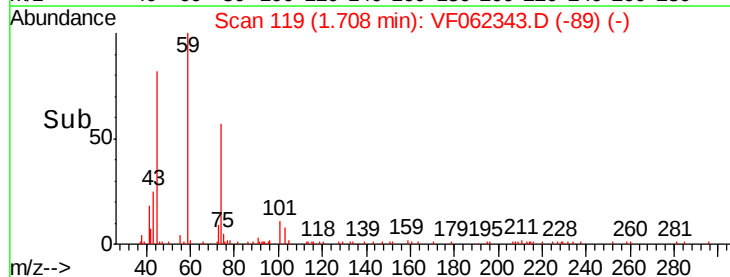
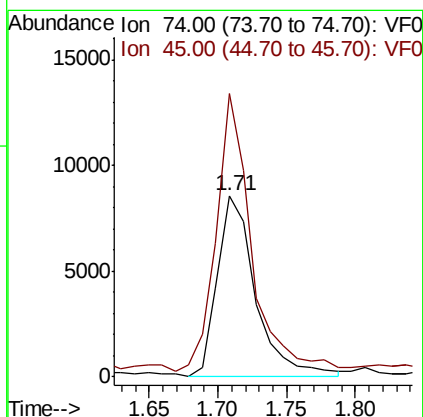
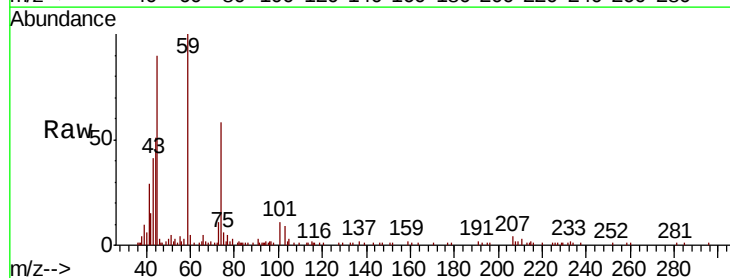
Tot Ion:101 Resp: 114658
 Ion Ratio Lower Upper
 101 100
 103 56.5 48.5 72.7

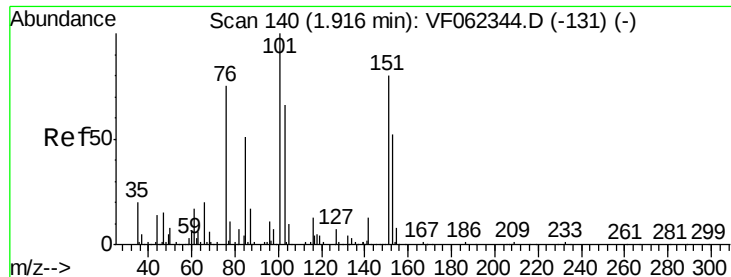


#8

Diethyl Ether
 Concen: 16.119 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. -0.00 min
 Lab File: VF062343.D
 Acq: 6 May 2019 18:40

Tgt Ion: 74 Resp: 16647
 Ion Ratio Lower Upper
 74 100
 45 137.9 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.475 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

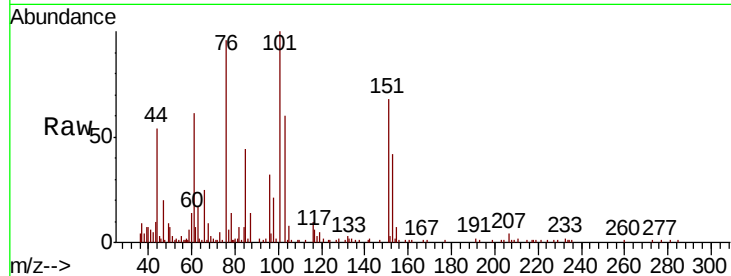
Tot Ion:101 Resp: 61510

Ion Ratio Lower Upper

101 100

85 52.8 39.5 59.3

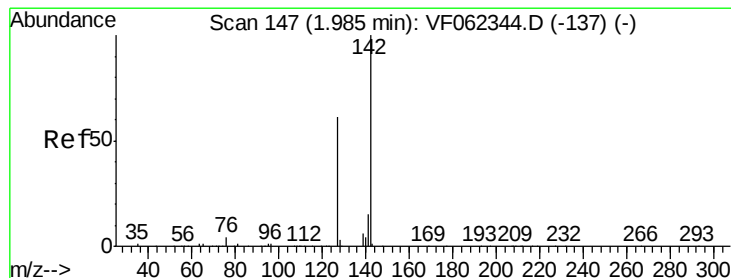
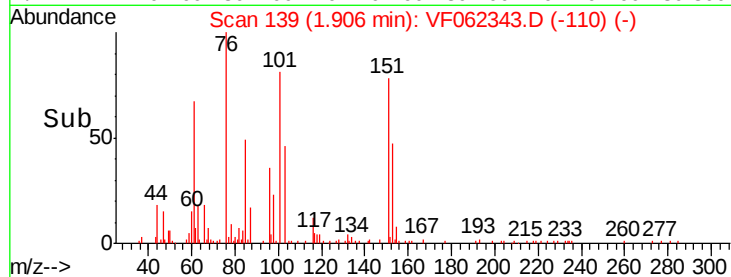
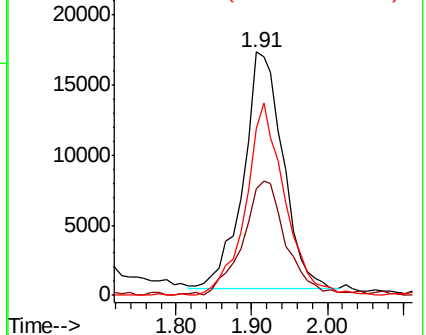
151 80.6 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.871 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

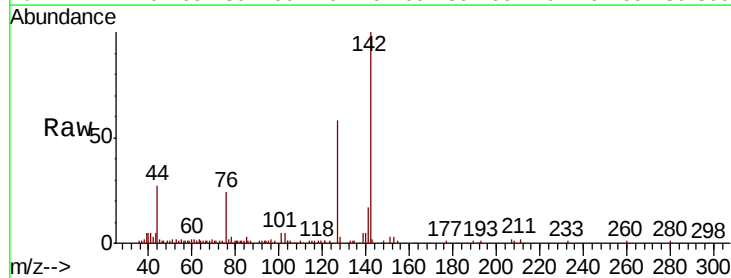
Tgt Ion:142 Resp: 88943

Ion Ratio Lower Upper

142 100

127 59.7 48.4 72.6

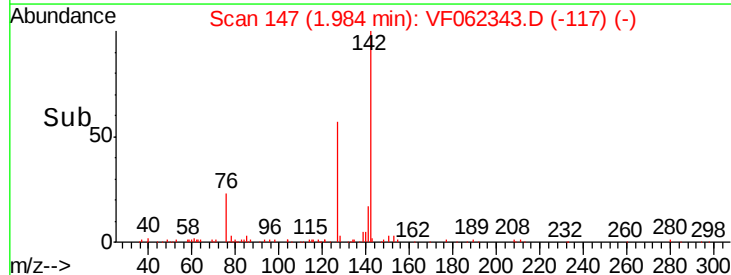
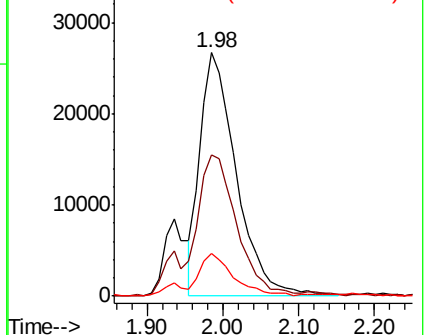
141 16.1 12.2 18.4

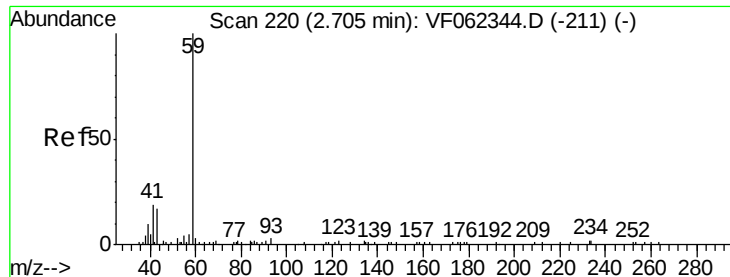


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



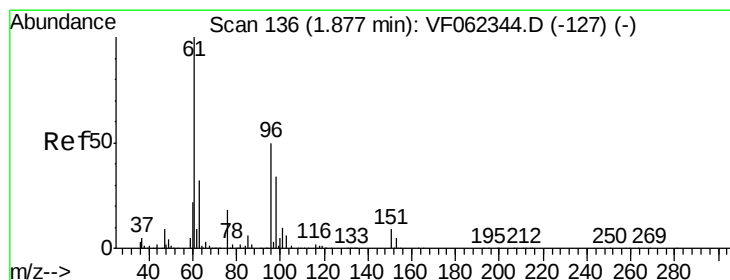
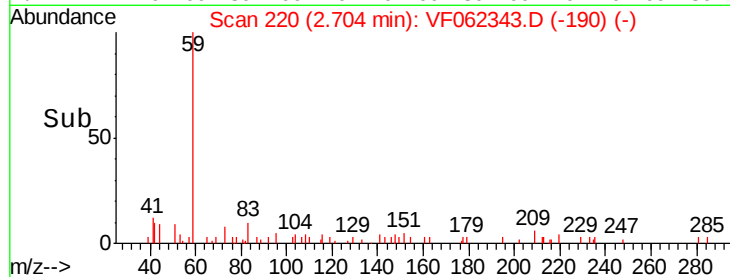
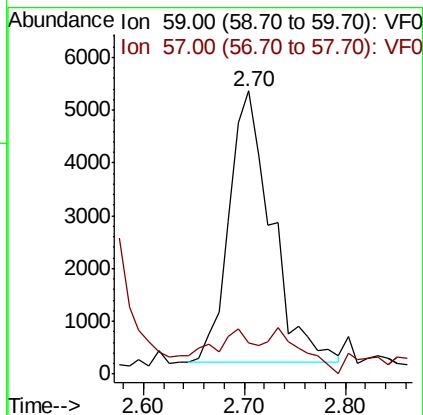
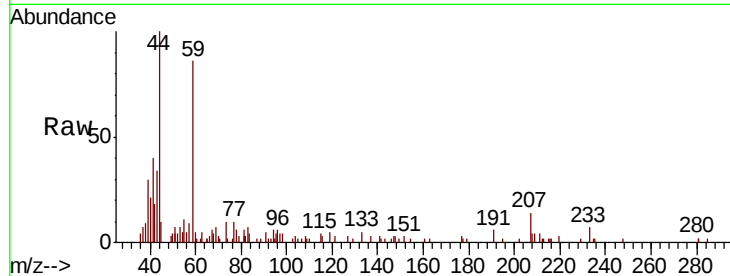


#11

Tert butyl alcohol
 Concen: 74.858 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VF062343.D
 Acq: 6 May 2019 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

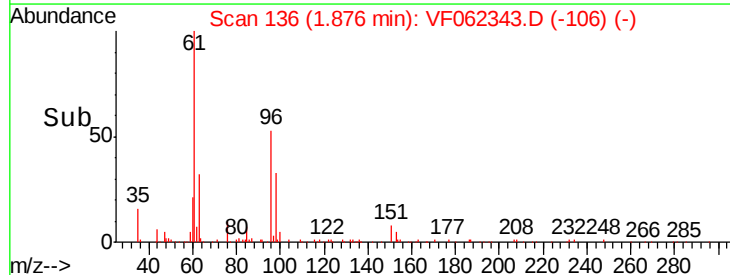
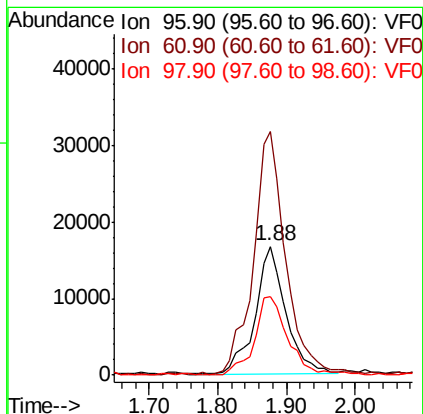
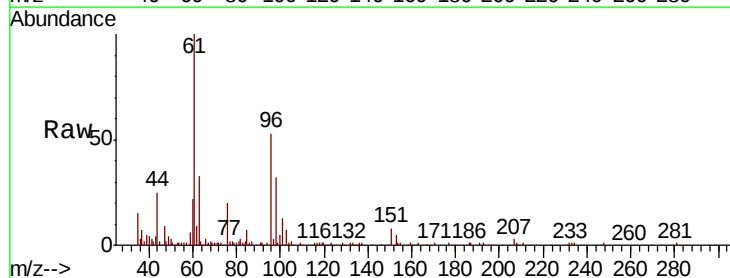
Tot Ion: 59 Resp: 15058
 Ion Ratio Lower Upper
 59 100
 57 9.4 9.3 13.9

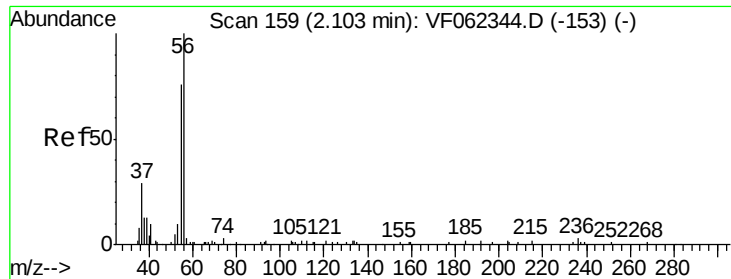


#12

1,1-Dichloroethene
 Concen: 15.921 ug/l
 RT: 1.88 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VF062343.D
 Acq: 6 May 2019 18:40

Tgt Ion: 96 Resp: 52053
 Ion Ratio Lower Upper
 96 100
 61 189.9 163.2 244.8
 98 59.9 55.2 82.8





#13

Acrolein

Concen: 87.122 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

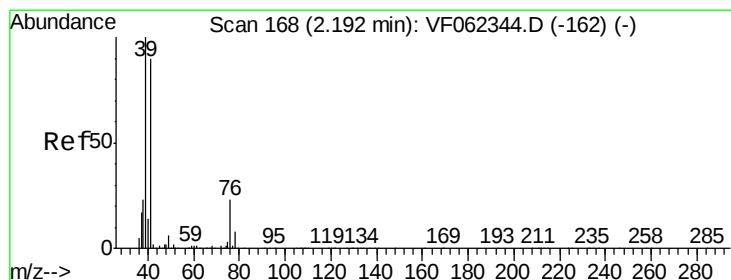
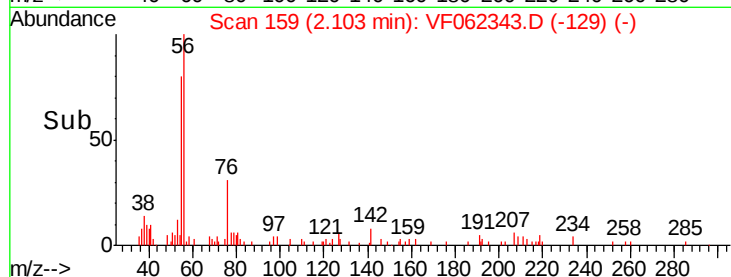
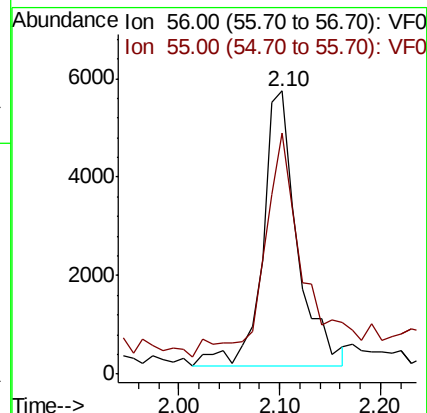
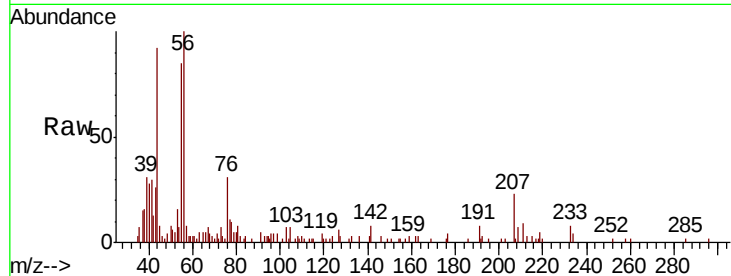
VSTDIC020

Tot Ion: 56 Resp: 13171

Ion Ratio Lower Upper

56 100

55 81.1 58.4 87.6



#14

Allyl chloride

Concen: 14.234 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

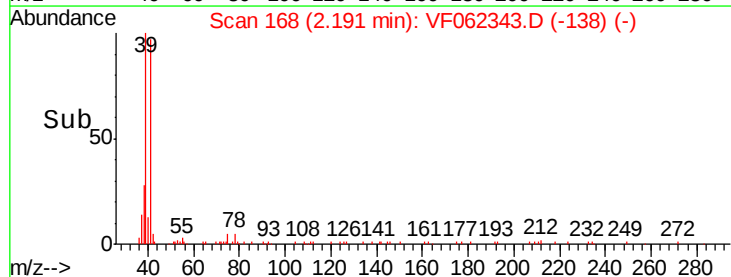
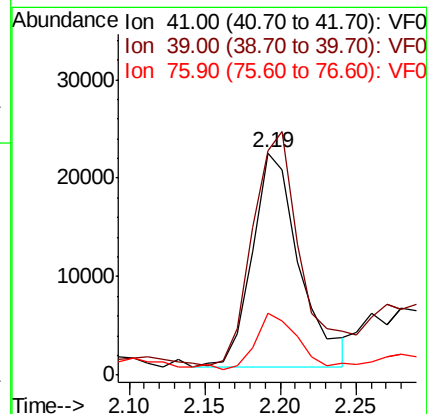
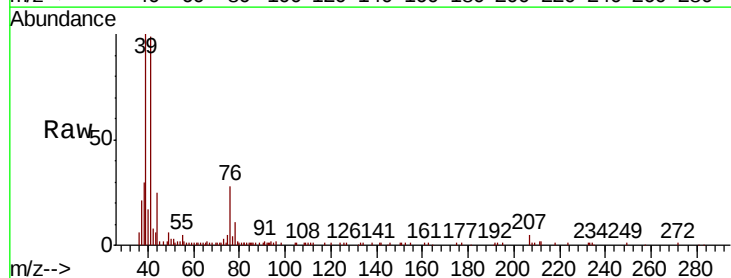
Tgt Ion: 41 Resp: 47324

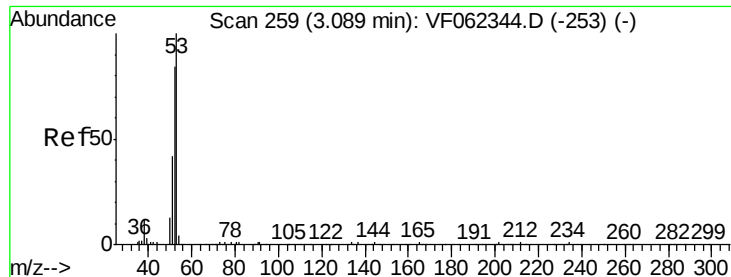
Ion Ratio Lower Upper

41 100

39 114.5 90.8 136.2

76 25.5 22.2 33.4





#15

Acrylonitrile

Concen: 66.336 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

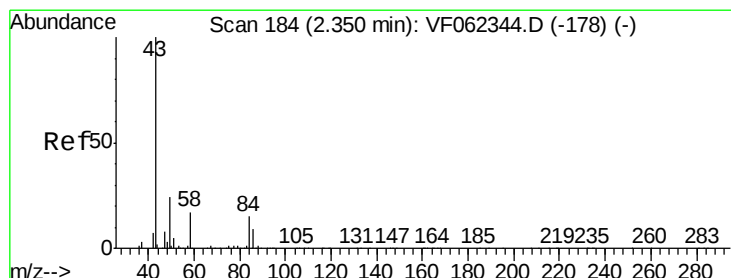
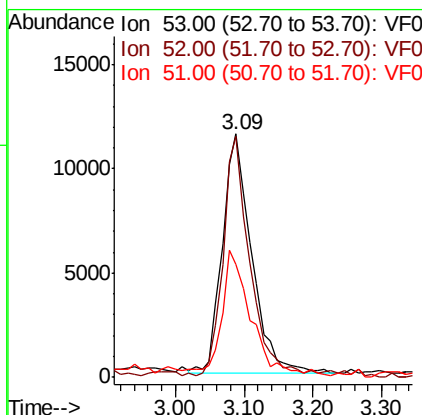
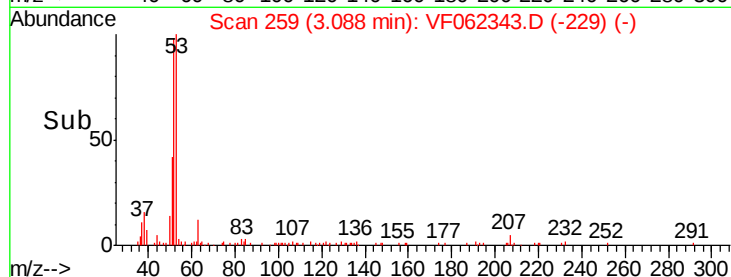
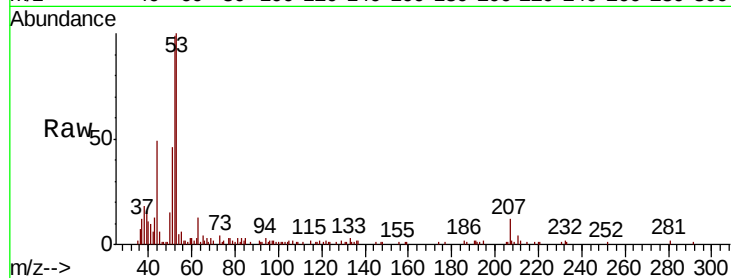
Tot Ion: 53 Resp: 33602

Ion Ratio Lower Upper

53 100

52 90.4 77.2 115.8

51 48.1 40.6 61.0



#16

Acetone

Concen: 87.768 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062343.D

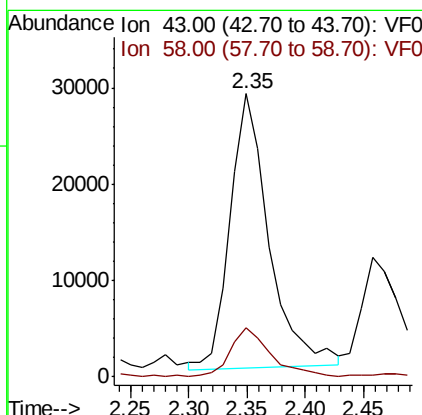
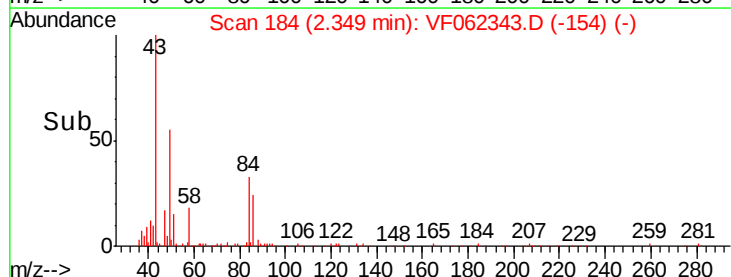
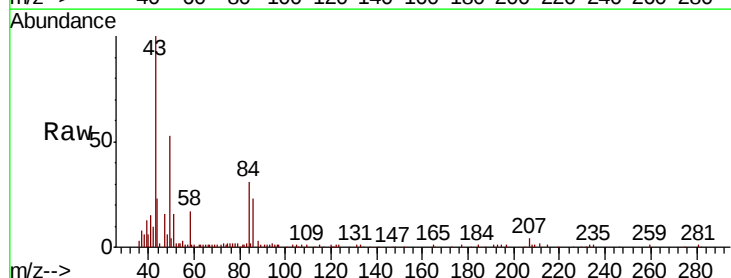
Acq: 6 May 2019 18:40

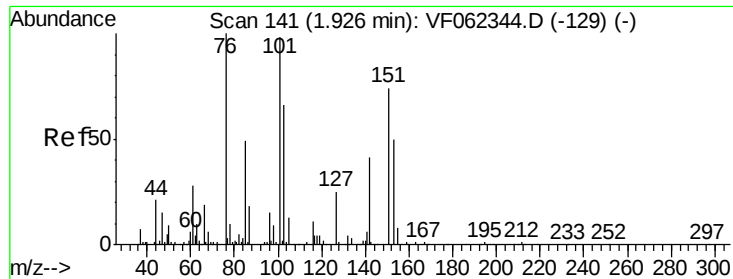
Tgt Ion: 43 Resp: 66174

Ion Ratio Lower Upper

43 100

58 18.3 13.1 19.7

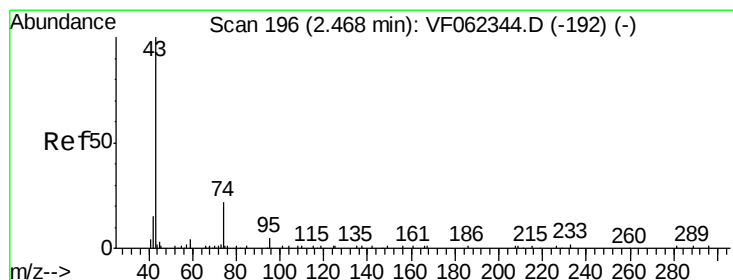
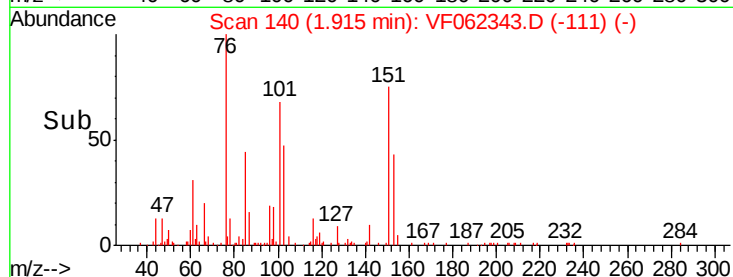
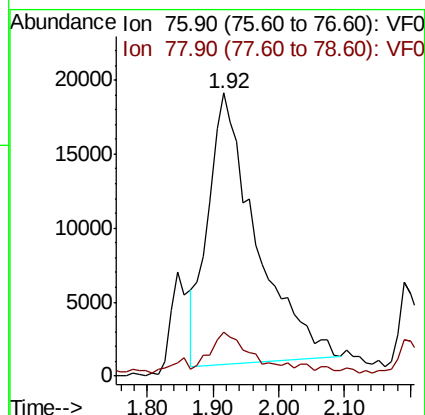
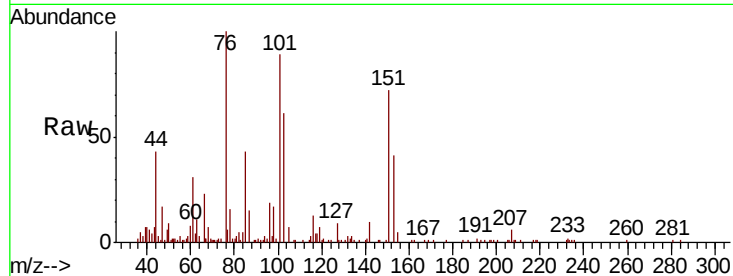




#17
Carbon Disulfide
Concen: 11.383 ug/l
RT: 1.92 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

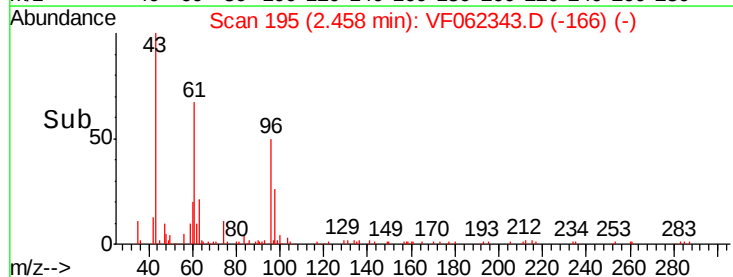
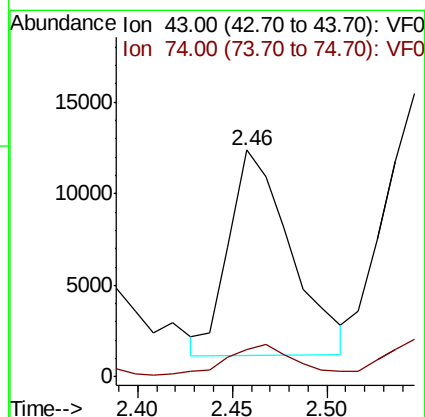
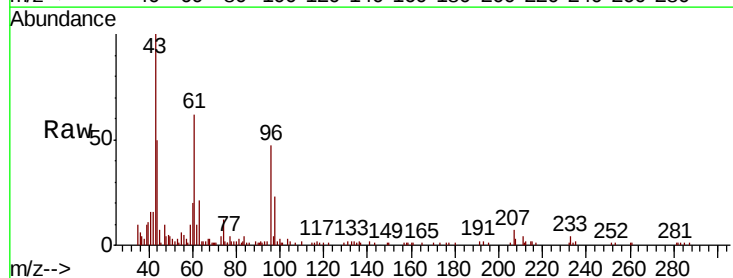
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

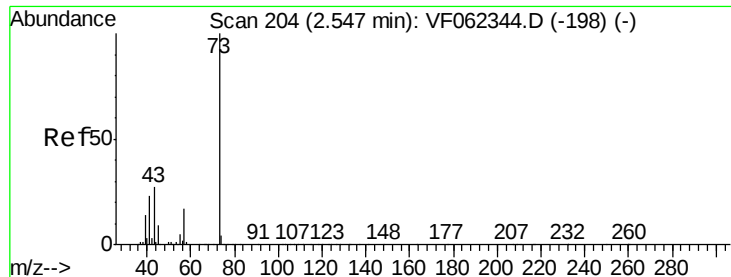
Tot Ion: 76 Resp: 93096
Ion Ratio Lower Upper
76 100
78 14.5 9.0 13.4#



#18
Methyl Acetate
Concen: 16.769 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Tgt Ion: 43 Resp: 25411
Ion Ratio Lower Upper
43 100
74 16.1 15.0 22.4



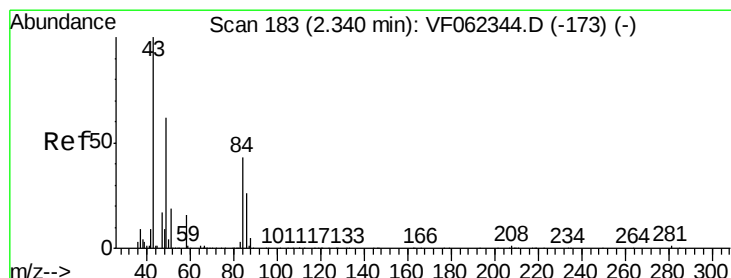
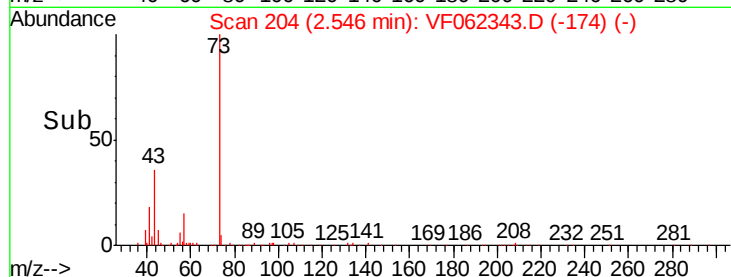
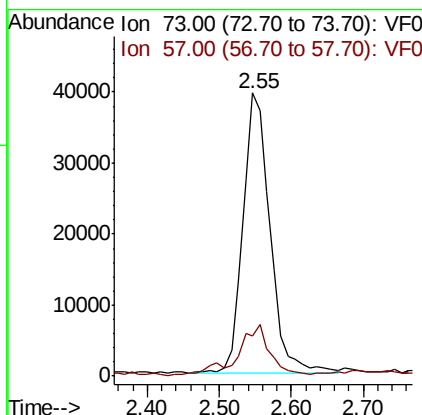
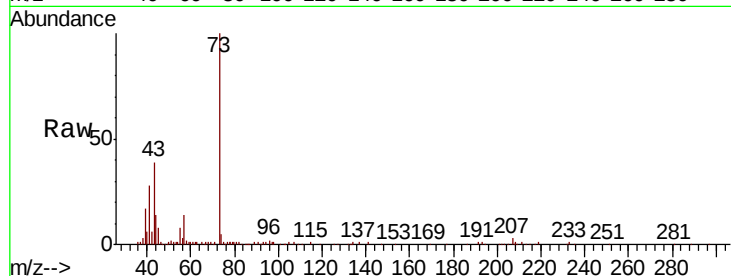


#19

Methyl tert-butyl Ether
 Concen: 16.060 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. -0.00 min
 Lab File: VF062343.D
 Acq: 6 May 2019 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

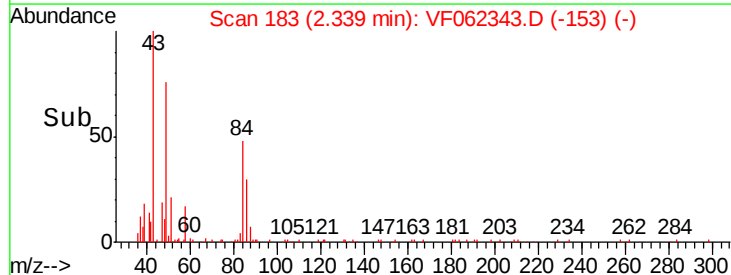
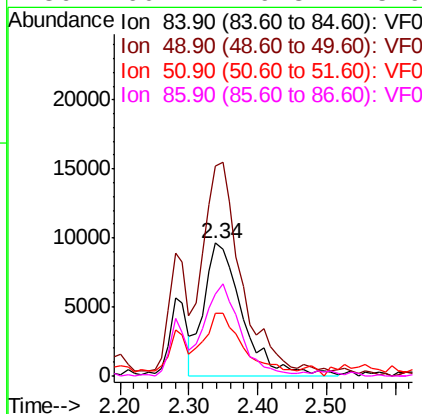
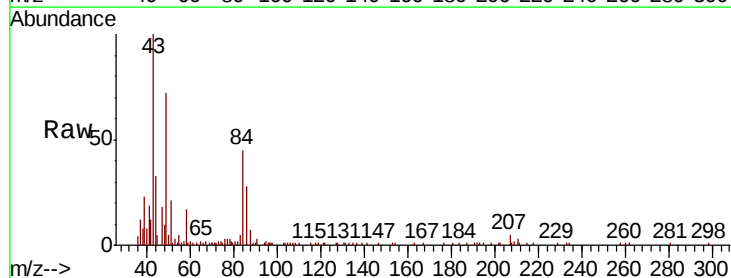
Tot Ion: 73 Resp: 103537
 Ion Ratio Lower Upper
 73 100
 57 13.5 13.7 20.5#

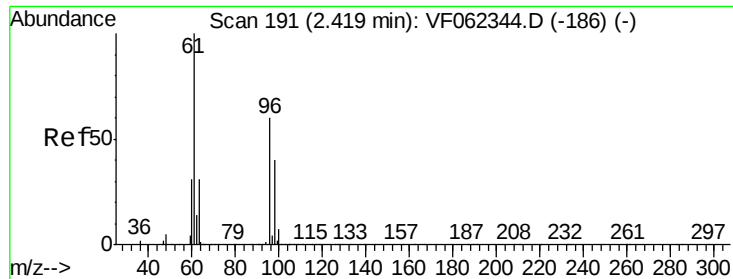


#20

Methylene Chloride
 Concen: 10.262 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF062343.D
 Acq: 6 May 2019 18:40

Tgt Ion: 84 Resp: 37514
 Ion Ratio Lower Upper
 84 100
 49 155.2 117.5 176.3
 51 43.5 37.0 55.4
 86 60.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 15.207 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

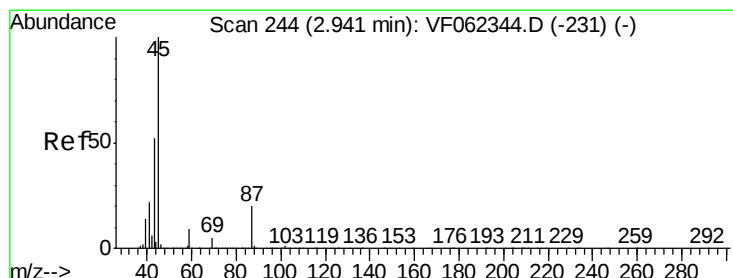
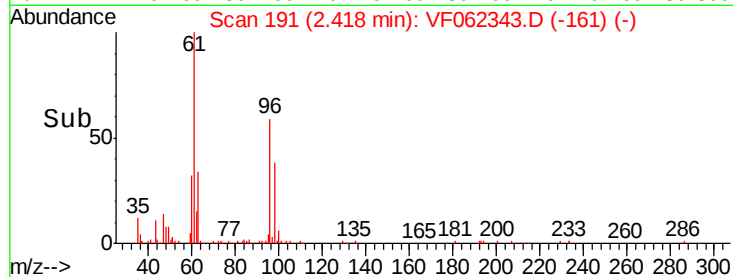
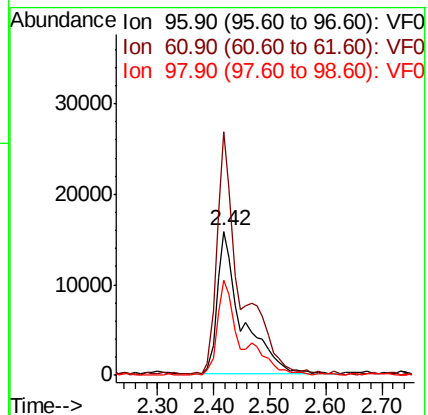
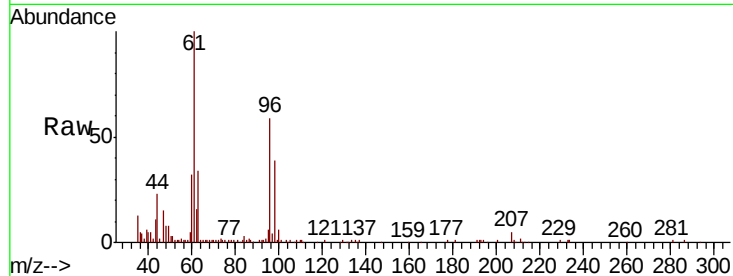
Tot Ion: 96 Resp: 48645

Ion Ratio Lower Upper

96 100

61 169.4 133.2 199.8

98 66.3 53.1 79.7



#22

Diisopropyl ether

Concen: 14.359 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Tgt Ion: 45 Resp: 139011

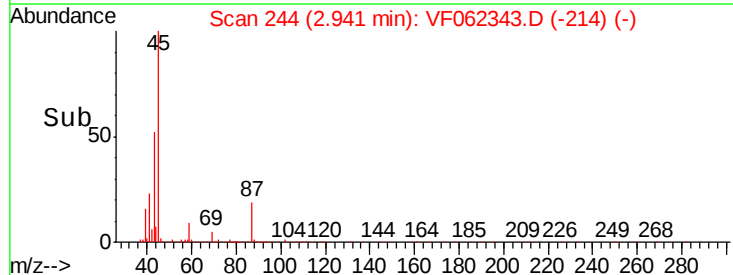
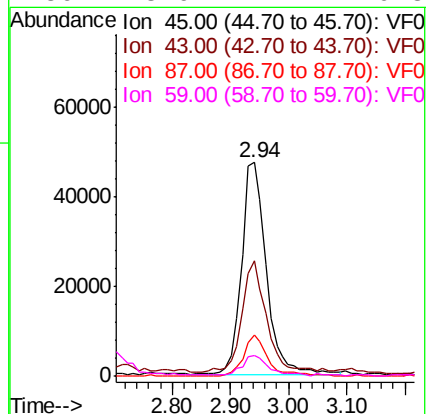
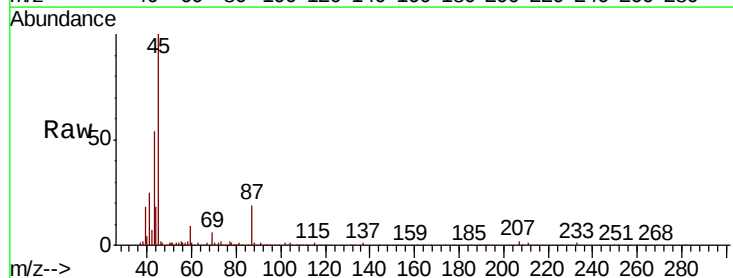
Ion Ratio Lower Upper

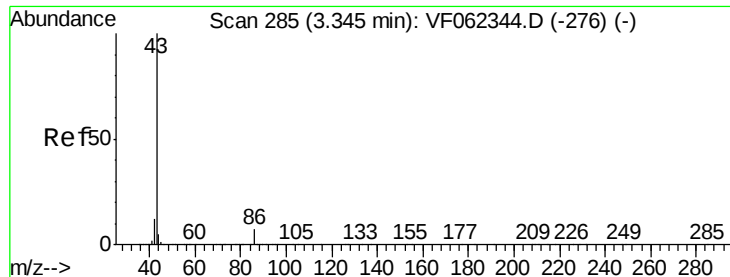
45 100

43 52.3 41.4 62.0

87 18.9 15.8 23.6

59 8.9 7.2 10.8





#23

Vinyl Acetate

Concen: 71.335 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

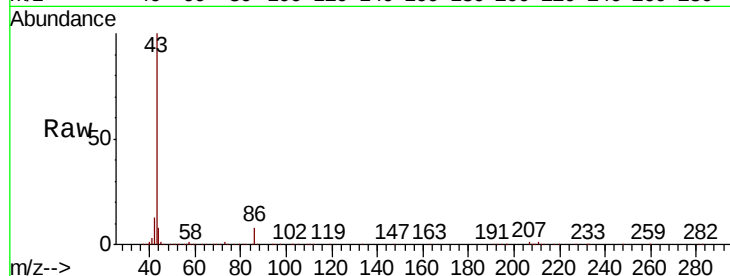
VSTDIC020

Tot Ion: 43 Resp: 308795

Ion Ratio Lower Upper

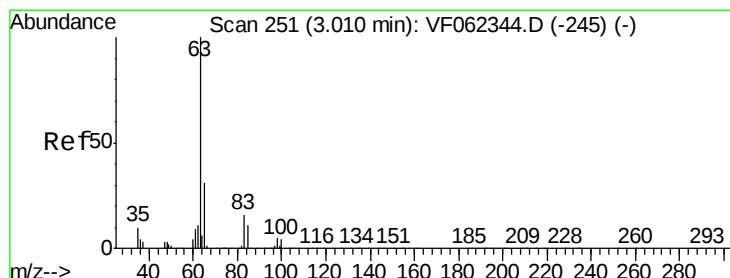
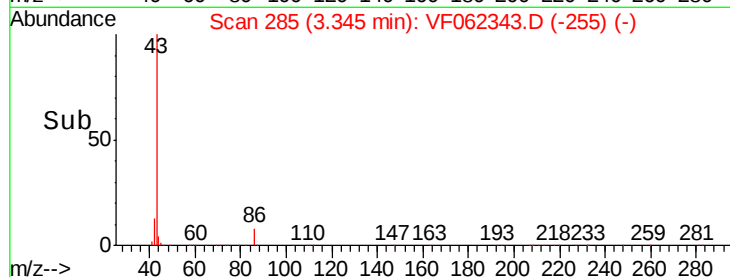
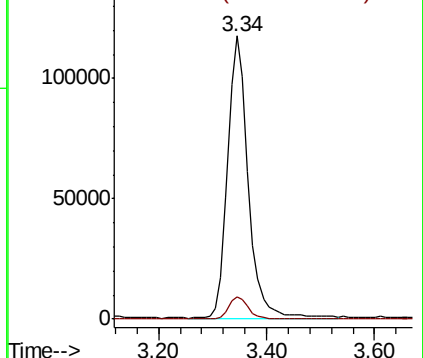
43 100

86 8.0 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 14.618 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

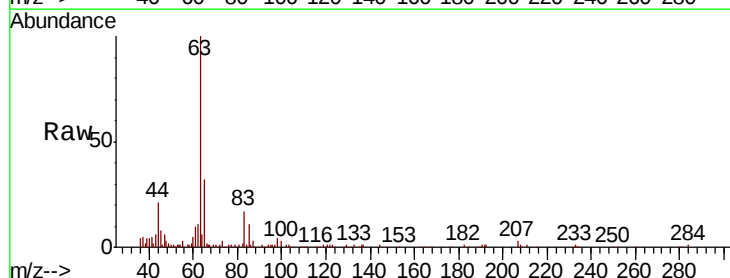
Tgt Ion: 63 Resp: 82049

Ion Ratio Lower Upper

63 100

98 4.5 2.6 8.0

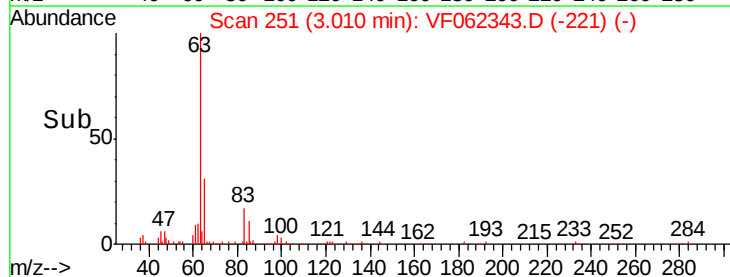
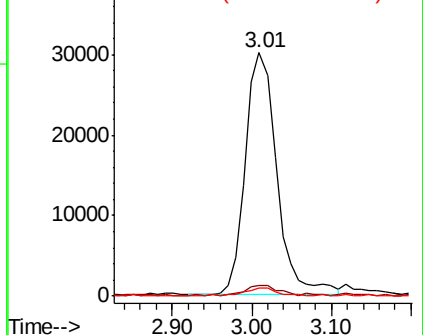
100 3.5 1.8 5.4

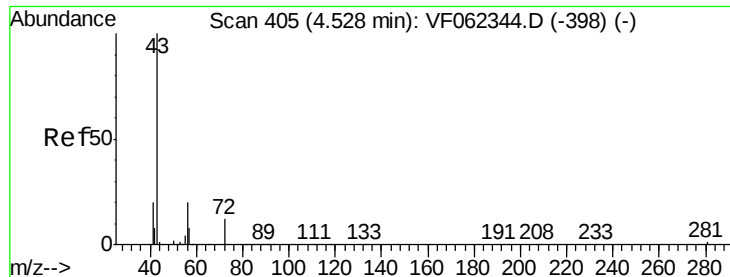


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 72.353 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

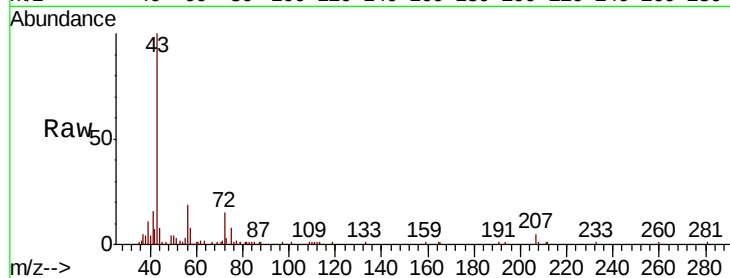
VSTDIC020

Tot Ion: 43 Resp: 80102

Ion Ratio Lower Upper

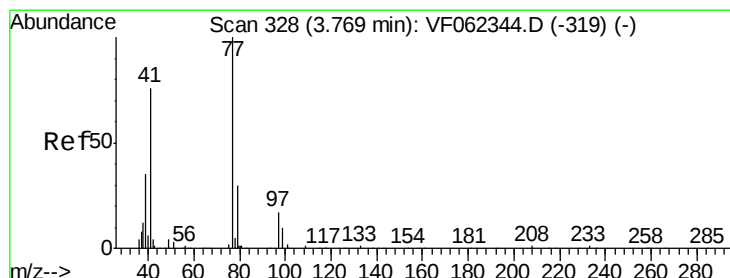
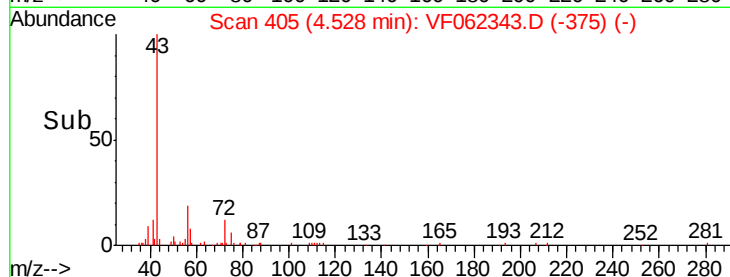
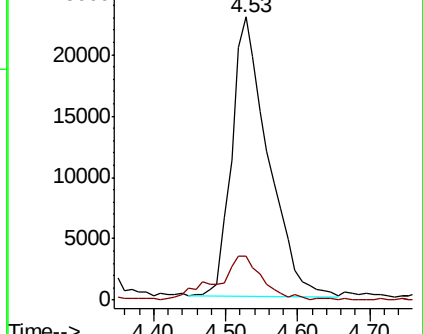
43 100

72 15.6 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 15.831 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF062343.D

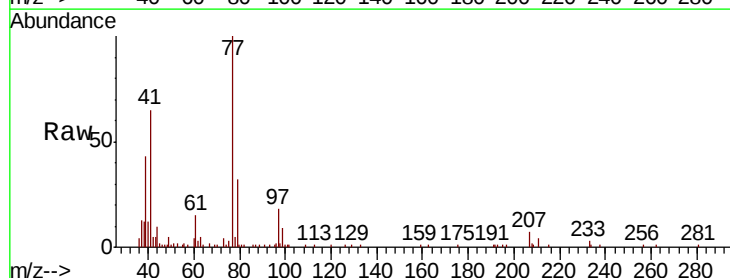
Acq: 6 May 2019 18:40

Tgt Ion: 77 Resp: 46450

Ion Ratio Lower Upper

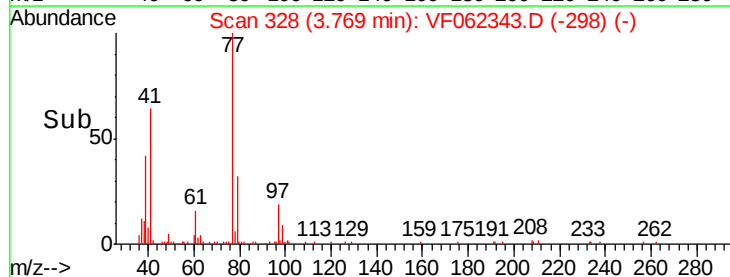
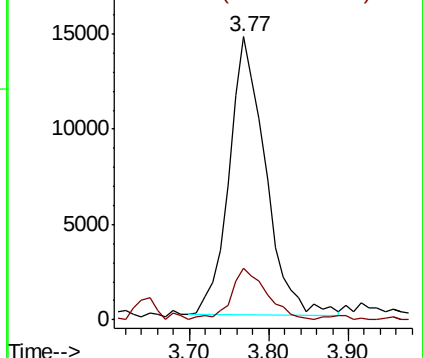
77 100

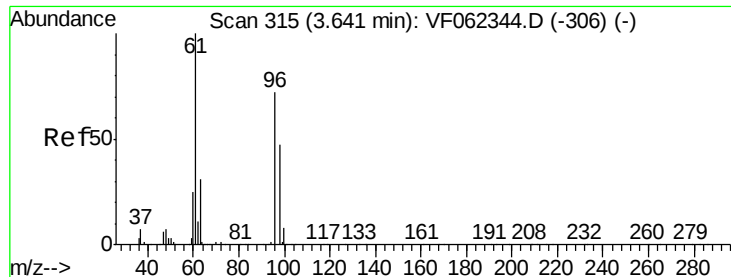
97 18.3 9.5 28.5



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0



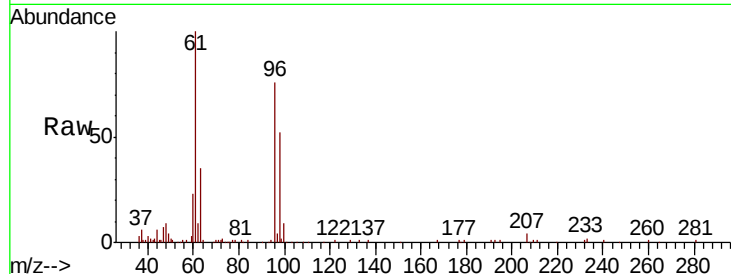


#27

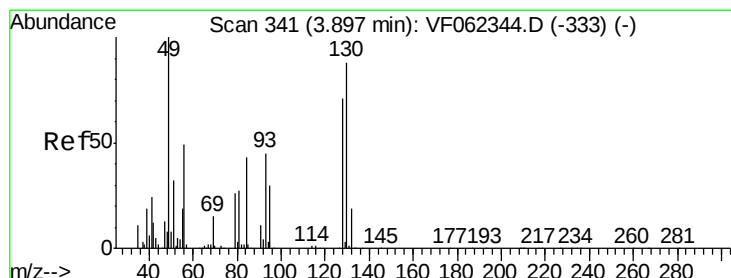
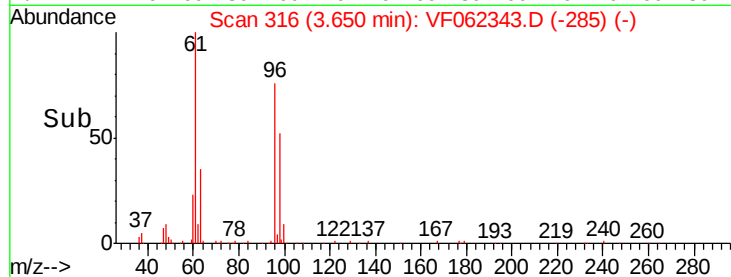
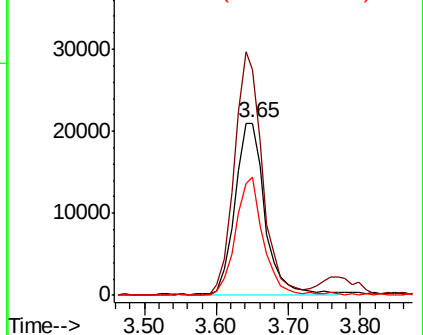
cis-1,2-Dichloroethene
Concen: 15.012 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 61665
Ion Ratio Lower Upper
96 100
61 130.1 0.0 263.0
98 63.4 0.0 130.8



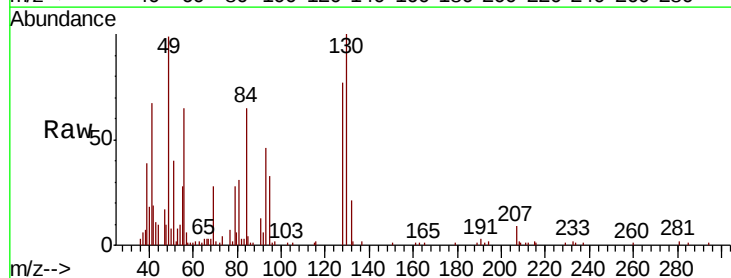
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



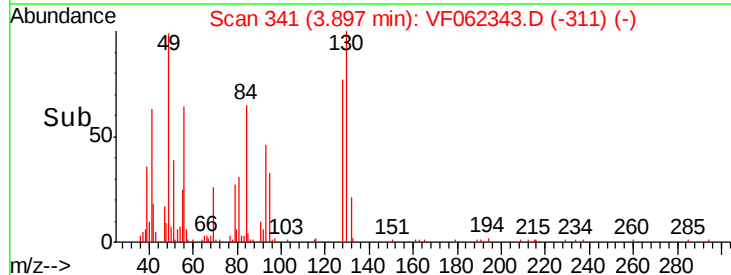
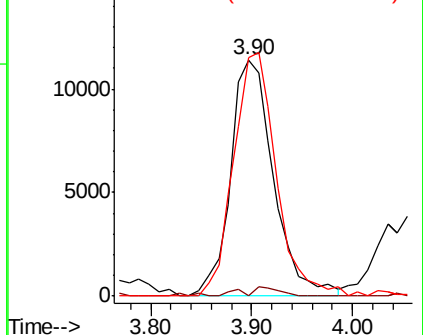
#28

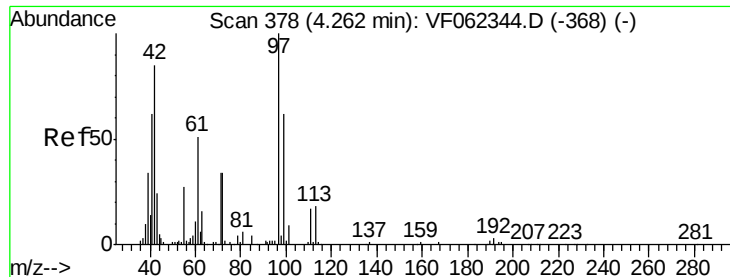
Bromochloromethane
Concen: 13.685 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Tgt Ion: 49 Resp: 33871
Ion Ratio Lower Upper
49 100
129 3.0 0.0 2.2#
130 102.7 79.4 119.0



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





#29

Tetrahydrofuran

Concen: 74.685 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

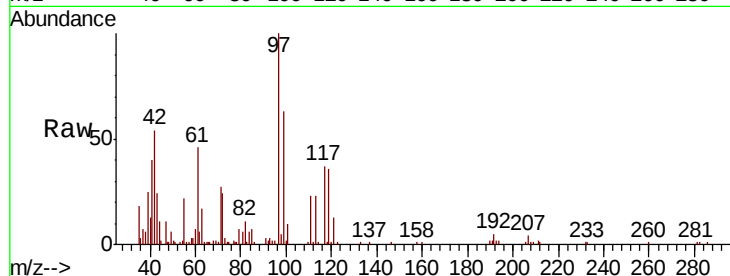
Tot Ion: 42 Resp: 36065

Ion Ratio Lower Upper

42 100

72 39.2 31.4 47.0

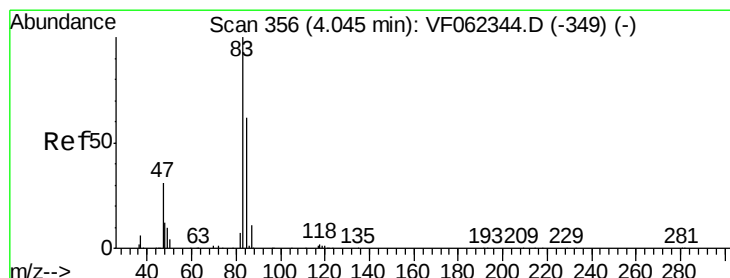
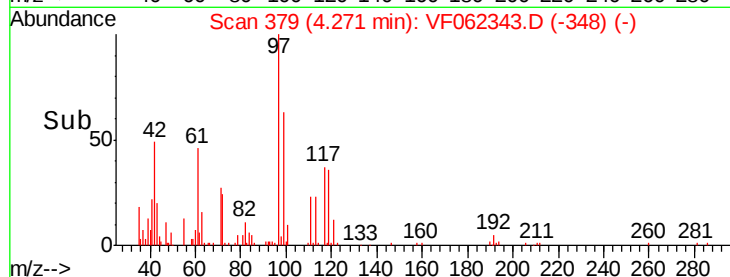
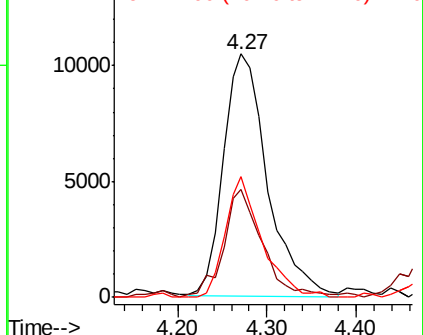
71 41.4 31.7 47.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 16.570 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.01 min

Lab File: VF062343.D

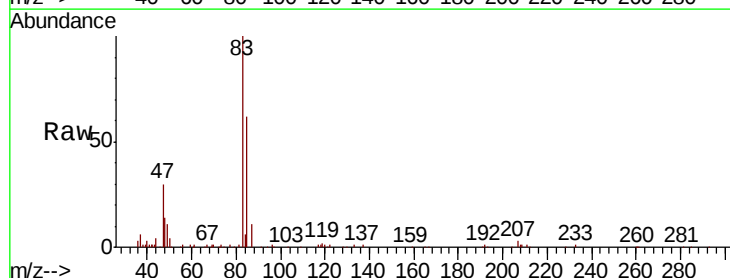
Acq: 6 May 2019 18:40

Tgt Ion: 83 Resp: 119902

Ion Ratio Lower Upper

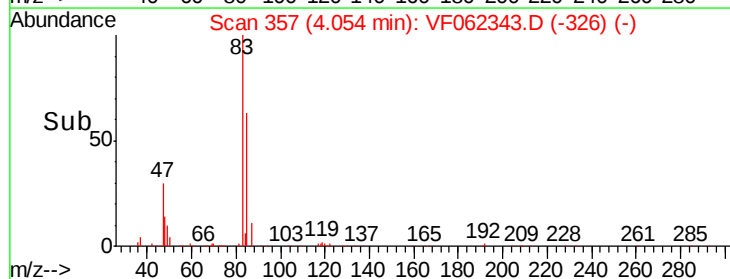
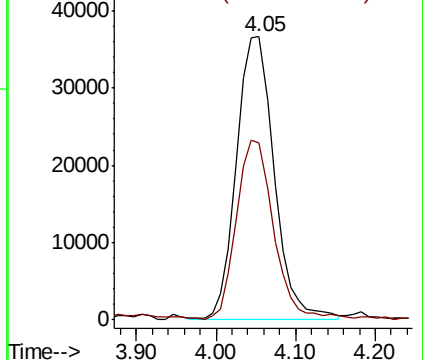
83 100

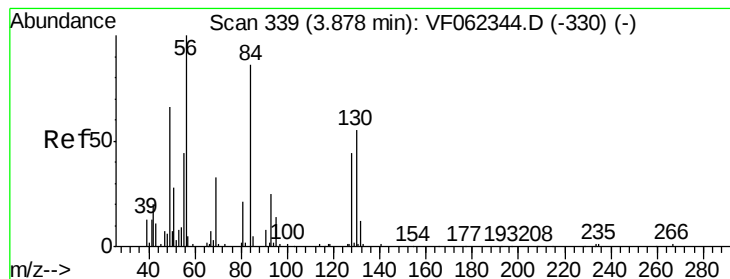
85 62.1 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0





#31

Cvclohexane

Concen: 13.601 ug/l

RT: 3.87 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

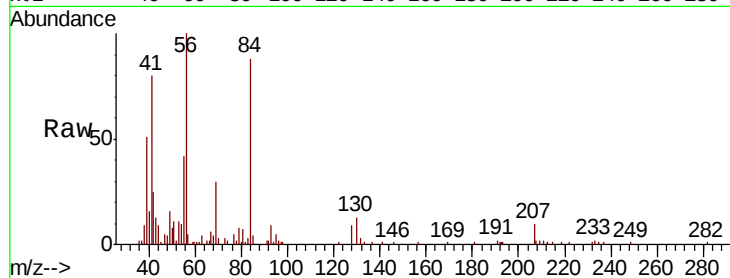
Tot Ion: 56 Resp: 68386

Ion Ratio Lower Upper

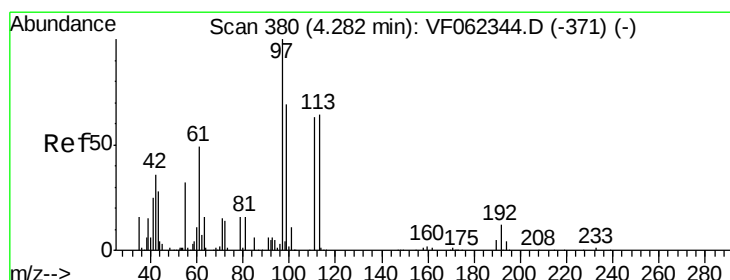
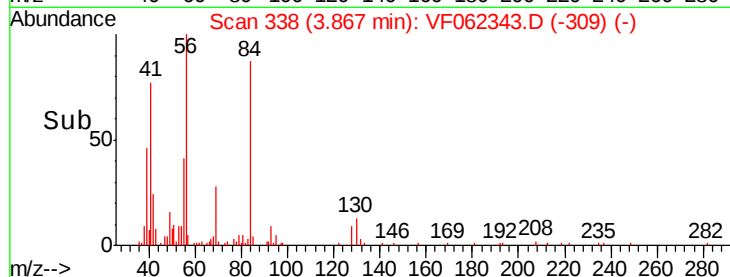
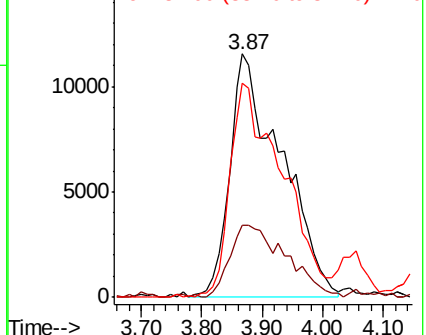
56 100

69 29.7 26.4 39.6

84 87.0 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 16.044 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

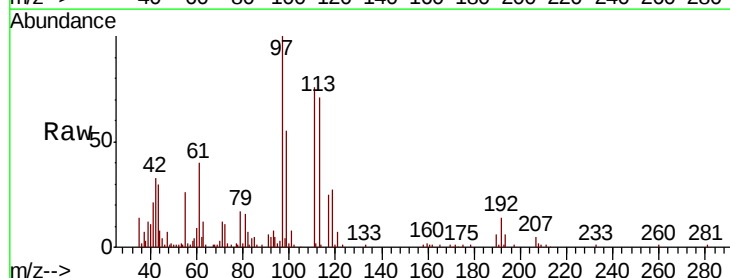
Tgt Ion: 97 Resp: 85259

Ion Ratio Lower Upper

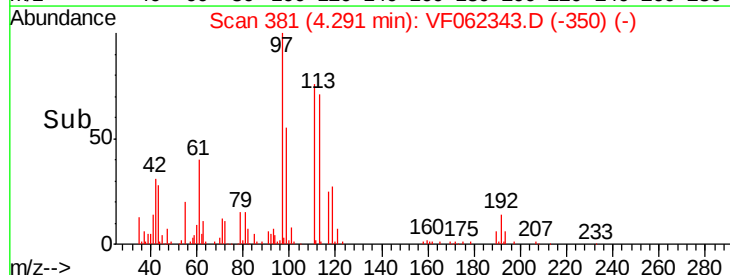
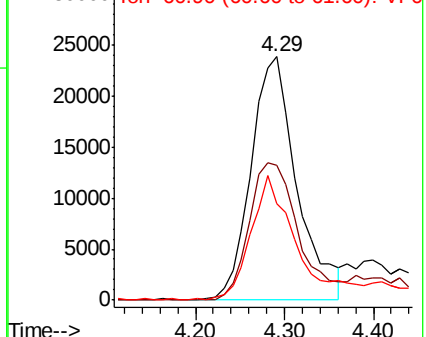
97 100

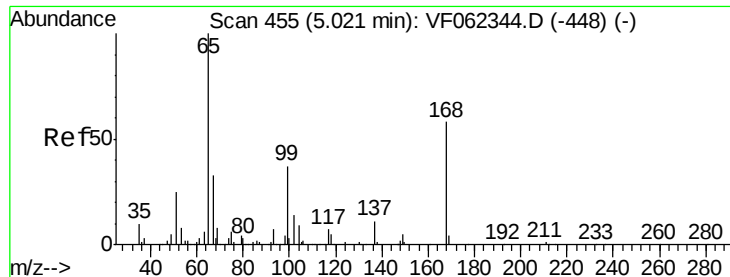
99 60.4 52.6 78.8

61 51.3 39.4 59.0



Abundance Ion 96.90 (96.60 to 97.60): VF0
Ion 98.90 (98.60 to 99.60): VF0
Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 15.325 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

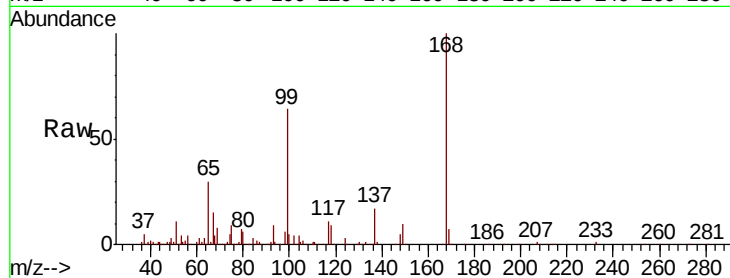
VSTDIC020

Tot Ion: 65 Resp: 55813

Ion Ratio Lower Upper

65 100

67 47.6 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

20000

15000

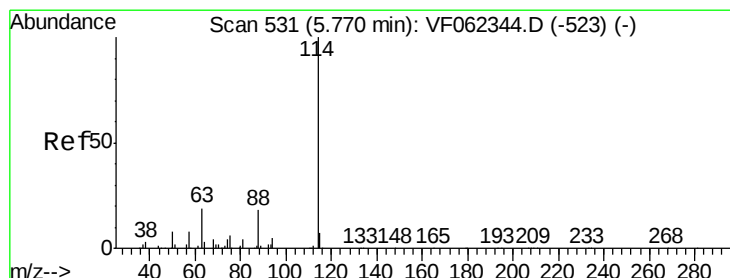
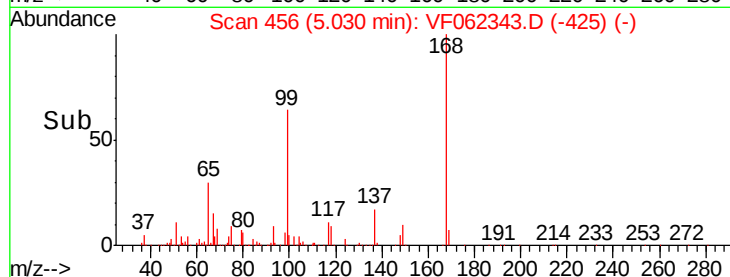
10000

5000

0

4.90 5.00 5.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

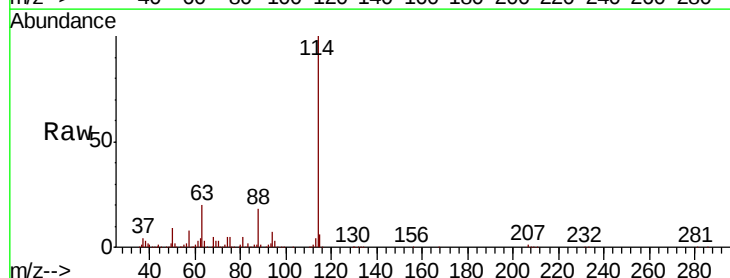
Tgt Ion: 114 Resp: 431184

Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 18.3 0.0 36.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

200000

150000

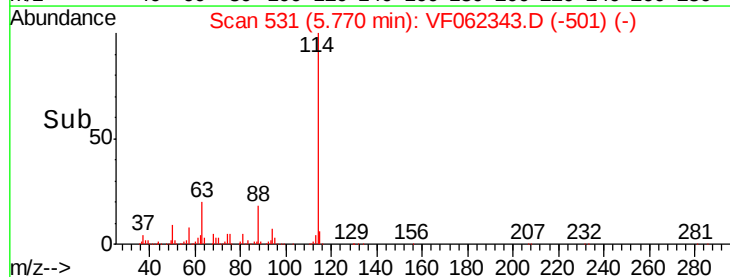
100000

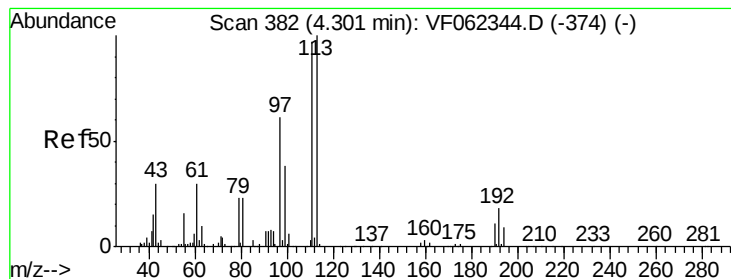
50000

0

5.60 5.80 6.00

Time-->





#35

Dibromofluoromethane

Concen: 15.956 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

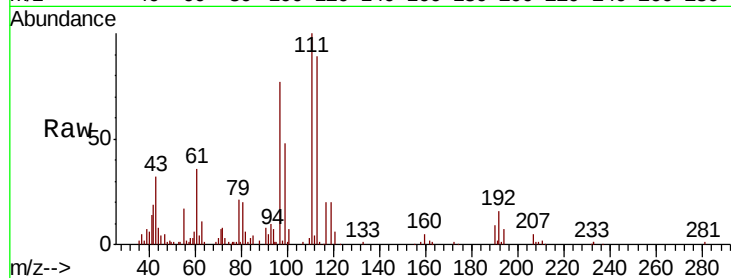
Tot Ion:113 Resp: 66175

Ion Ratio Lower Upper

113 100

111 105.3 79.4 119.0

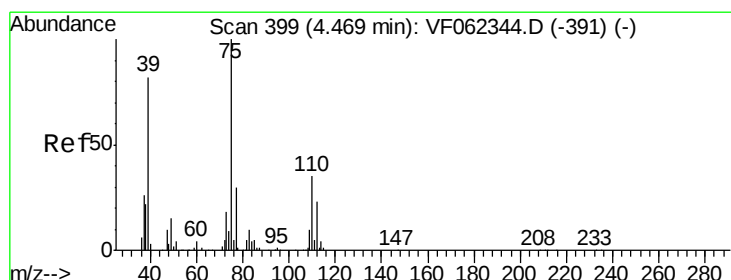
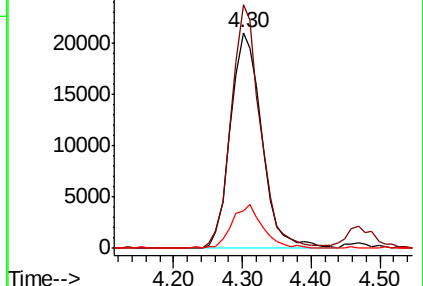
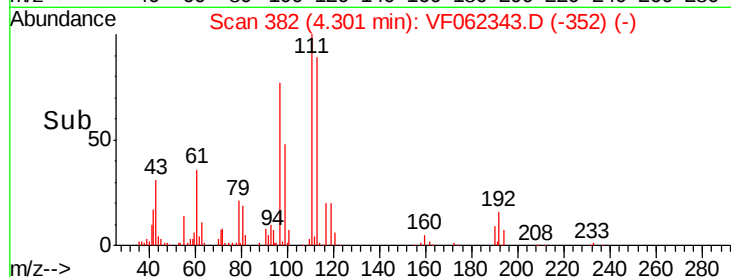
192 20.1 16.0 24.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 16.667 ug/l

RT: 4.47 min Scan# 399

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

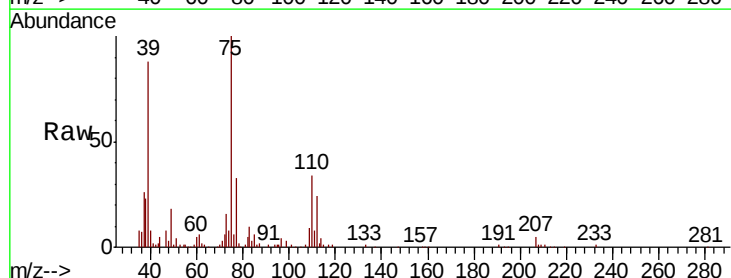
Tgt Ion: 75 Resp: 79829

Ion Ratio Lower Upper

75 100

110 33.6 17.2 51.5

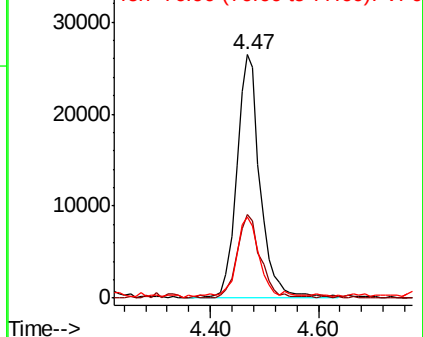
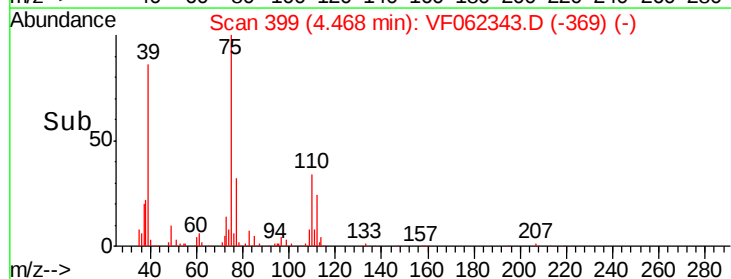
77 33.0 25.2 37.8

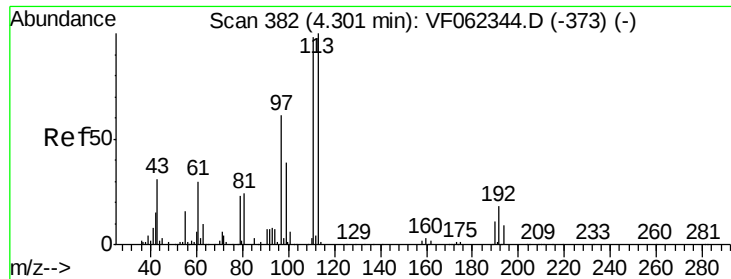


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0

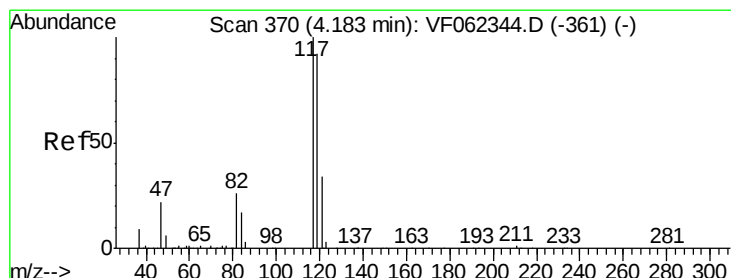
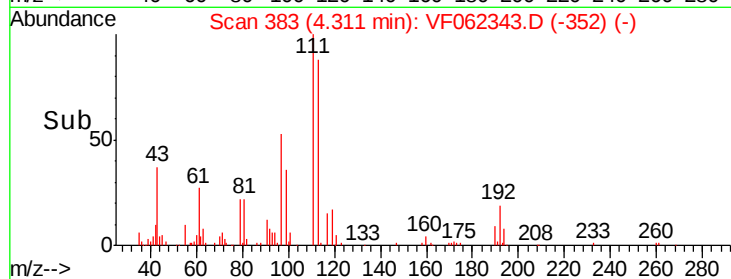
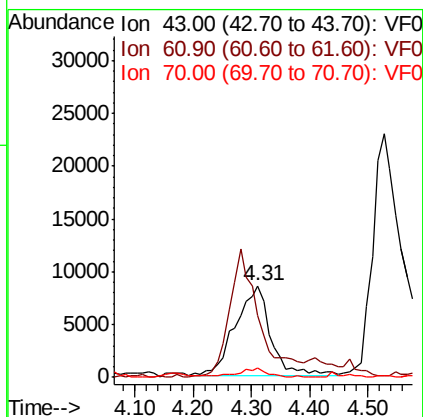
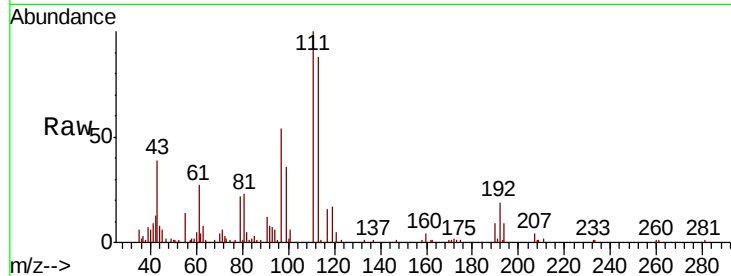




#37
Ethyl Acetate
Concen: 17.938 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

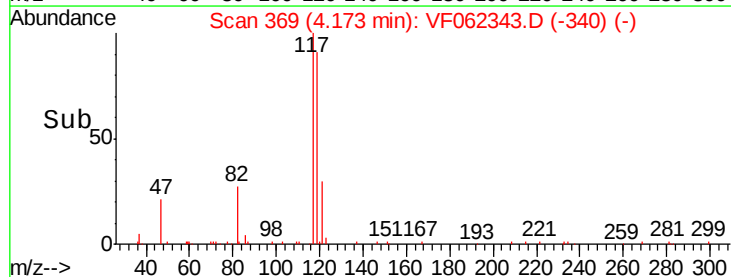
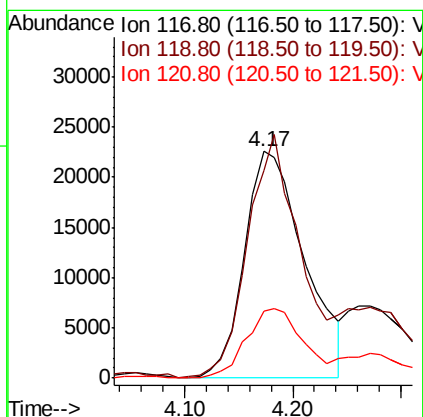
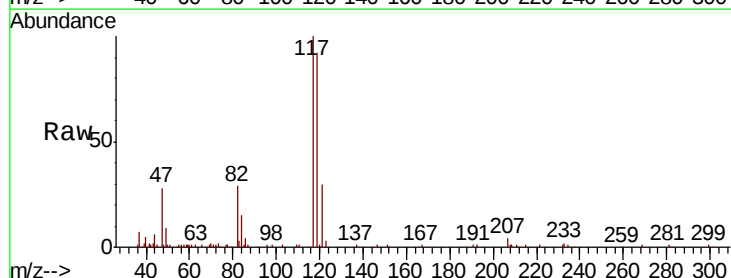
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

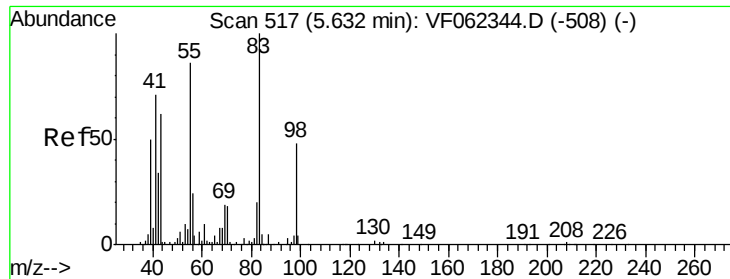
Tot Ion: 43 Resp: 35983
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 8.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 17.753 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Tgt Ion: 117 Resp: 87356
Ion Ratio Lower Upper
117 100
119 91.1 73.4 110.2
121 29.8 27.4 41.0

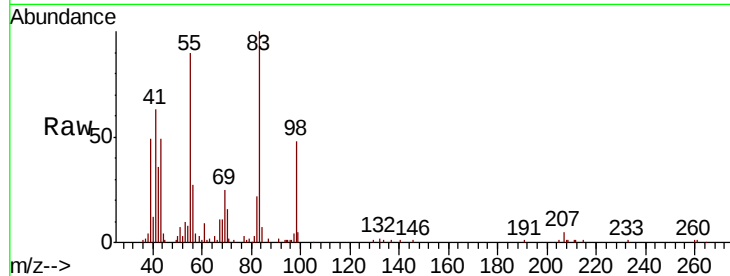




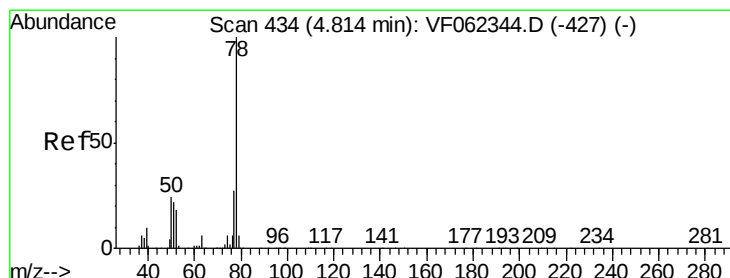
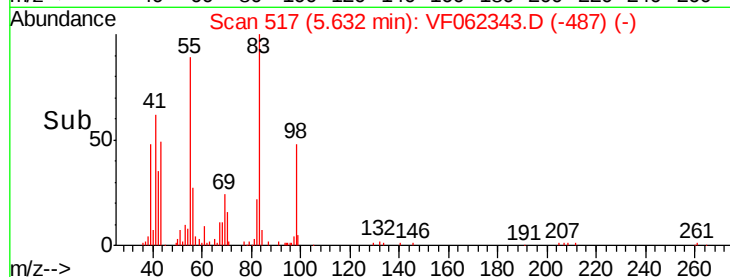
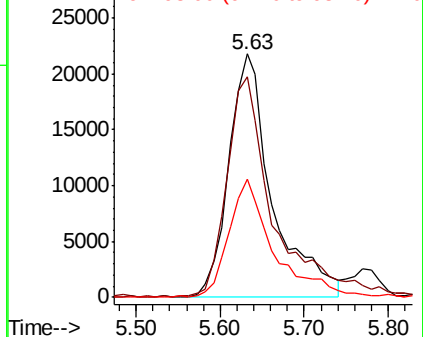
#39
Methvlcvclohexane
Concen: 14.561 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 78641
Ion Ratio Lower Upper
83 100
55 89.8 69.0 103.6
98 48.4 38.6 58.0

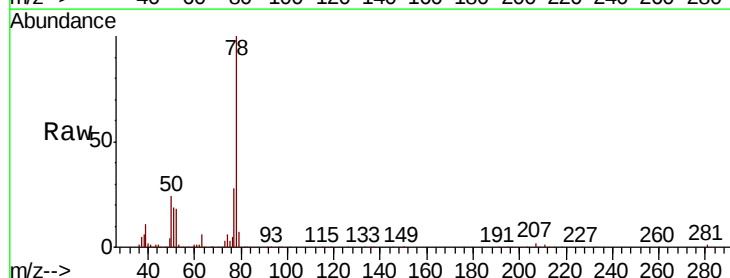


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

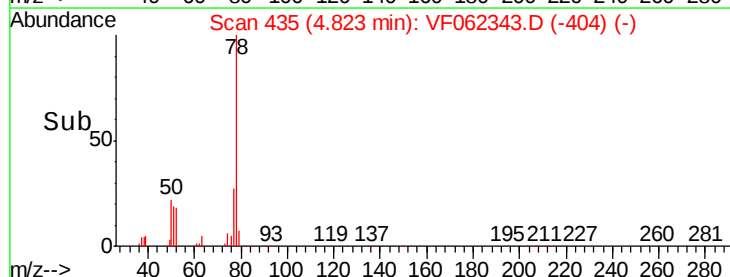
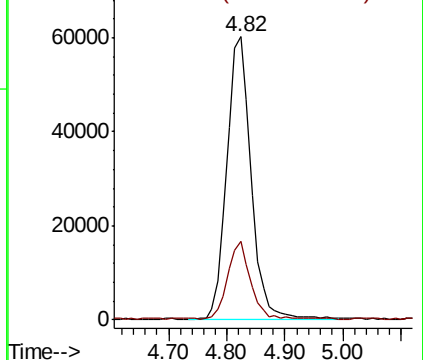


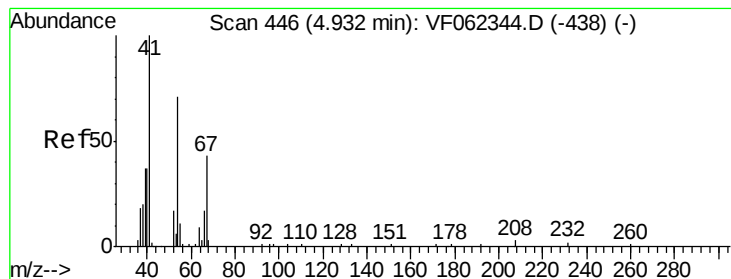
#40
Benzene
Concen: 15.535 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.01 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Tgt Ion: 78 Resp: 173172
Ion Ratio Lower Upper
78 100
77 27.4 21.6 32.4



Abundance Ion 78.00 (77.70 to 78.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 15.947 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 17706

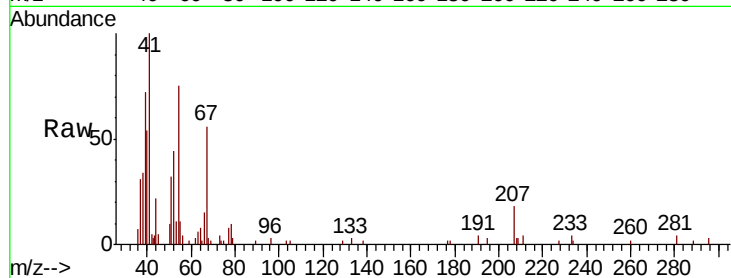
Ion Ratio Lower Upper

41 100

39 74.5 54.3 81.5

67 54.4 37.8 56.8

52 72.7 58.2 87.4

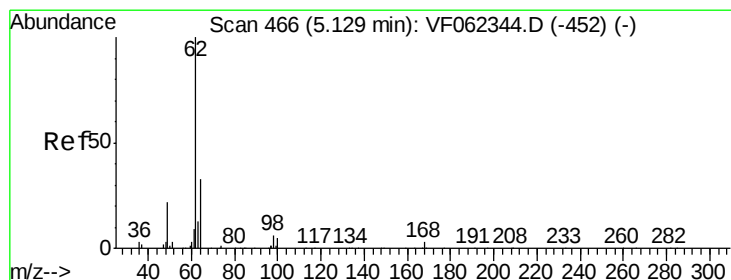
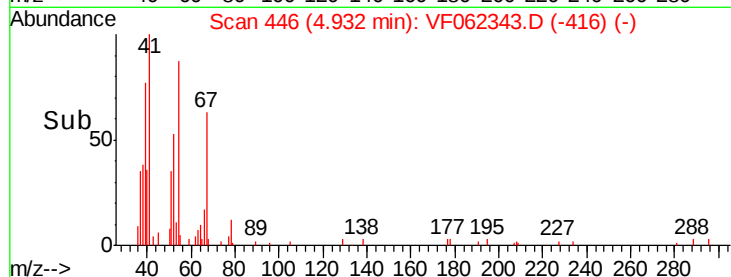
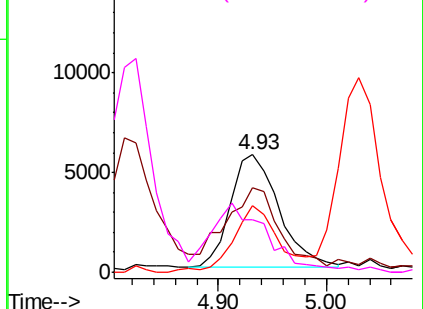


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 17.783 ug/l

RT: 5.13 min Scan# 466

Delta R.T. -0.00 min

Lab File: VF062343.D

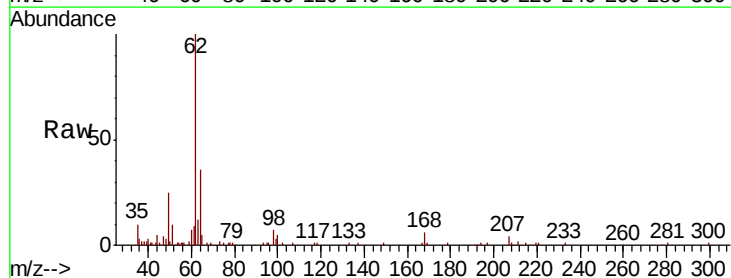
Acq: 6 May 2019 18:40

Tgt Ion: 62 Resp: 69991

Ion Ratio Lower Upper

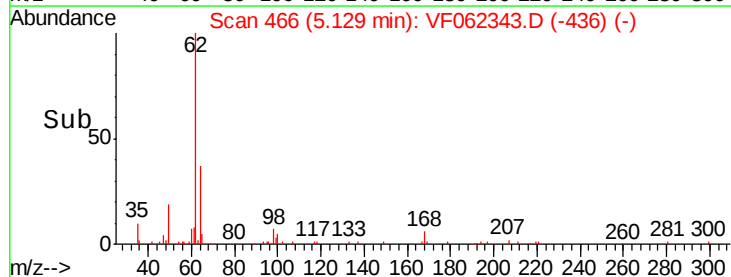
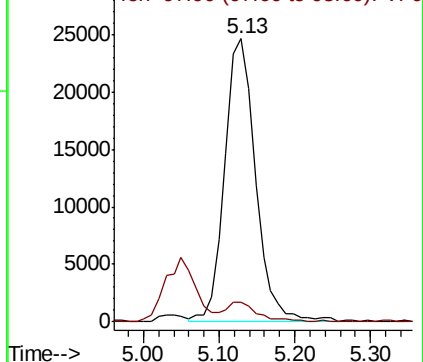
62 100

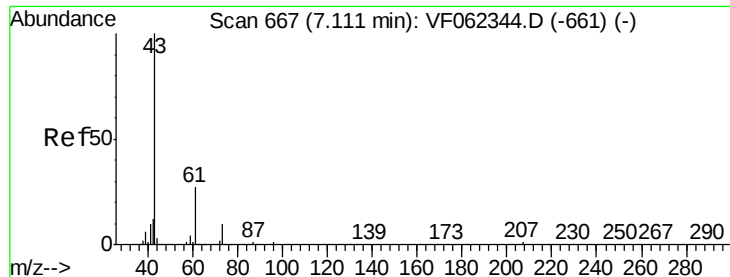
98 7.0 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 14.718 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

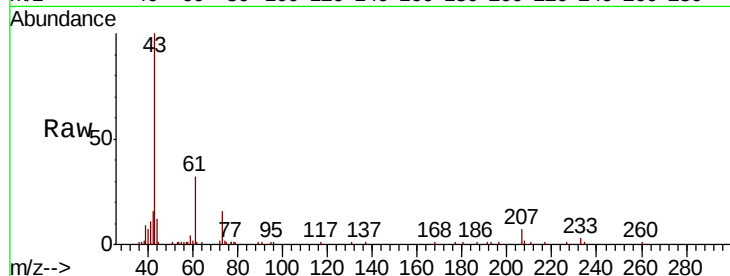
Tot Ion: 43 Resp: 31785

Ion Ratio Lower Upper

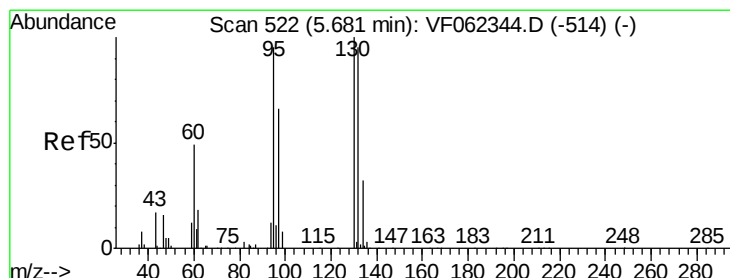
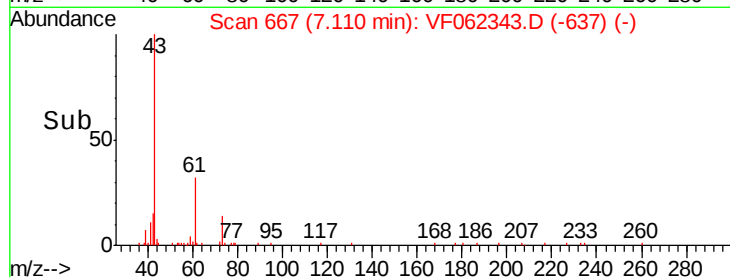
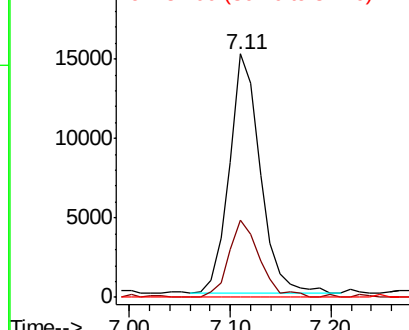
43 100

61 32.4 22.8 34.2

87 0.0 0.6 1.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 17.019 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.00 min

Lab File: VF062343.D

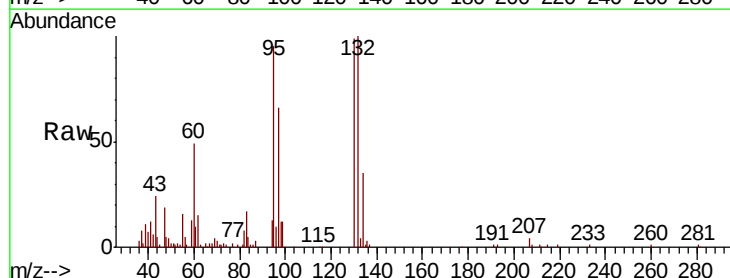
Acq: 6 May 2019 18:40

Tgt Ion:130 Resp: 66087

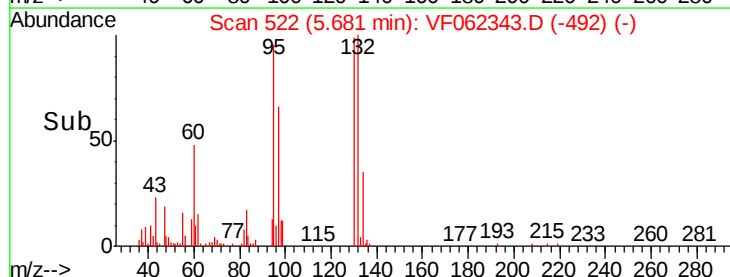
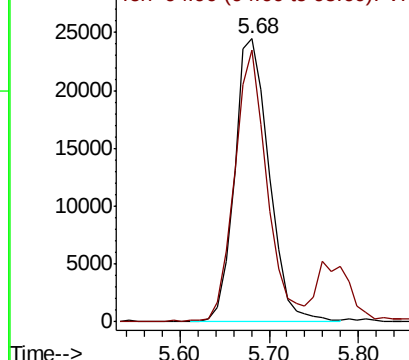
Ion Ratio Lower Upper

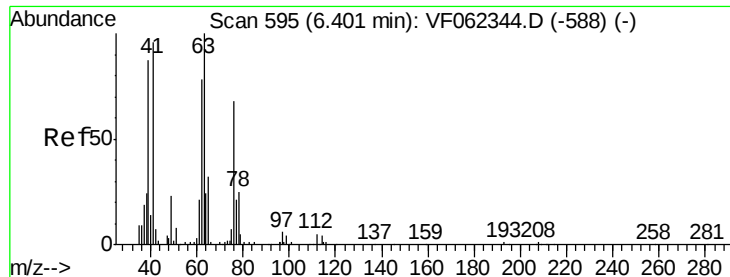
130 100

95 95.5 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VF0

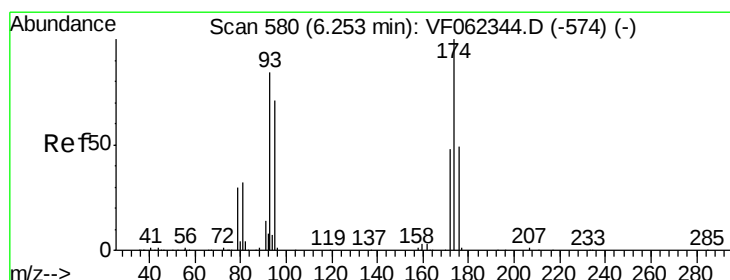
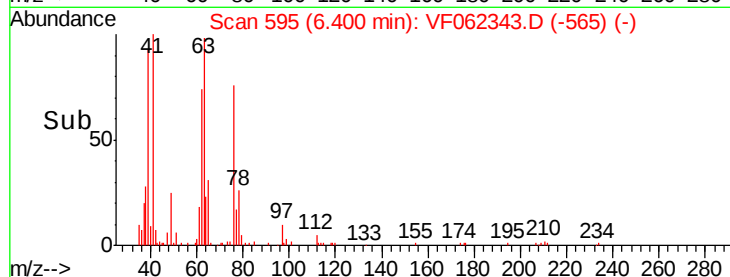
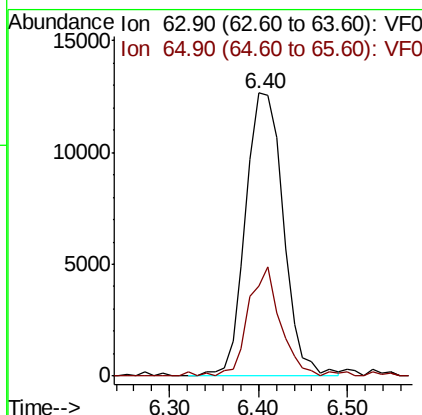
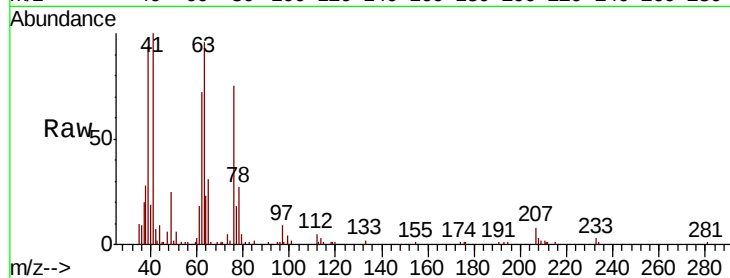




#45
1,2-Dichloropropane
Concen: 14.609 ug/l
RT: 6.40 min Scan# 595
Delta R.T. -0.00 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

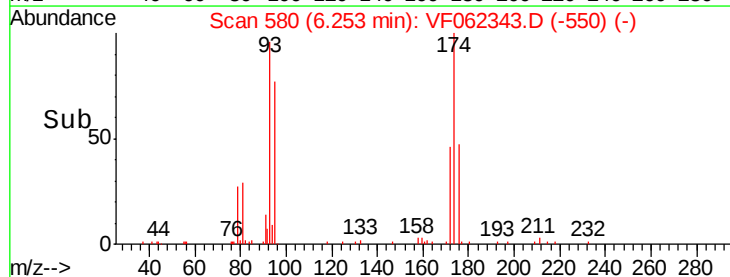
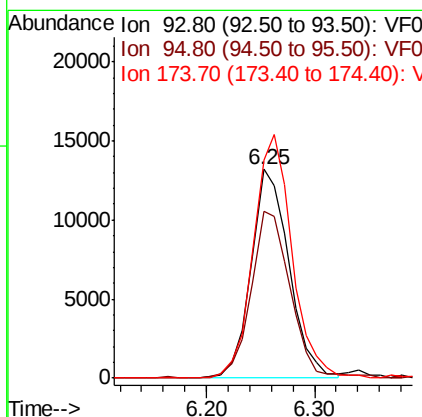
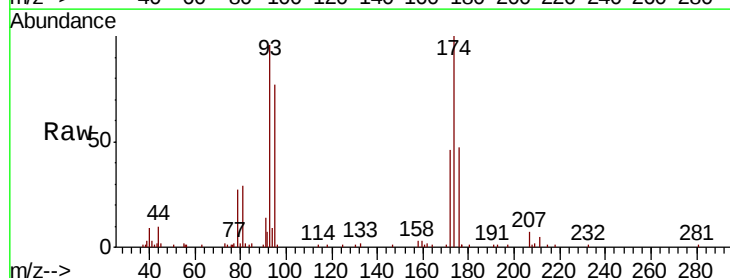
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

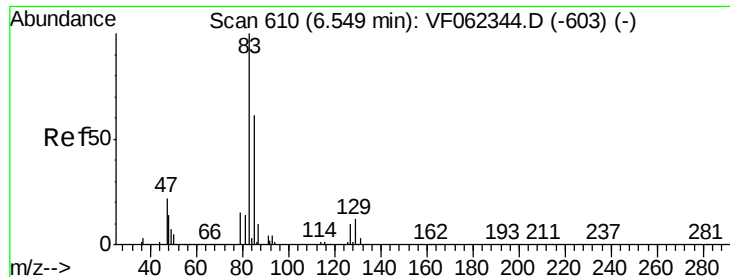
Tot Ion: 63 Resp: 37198
Ion Ratio Lower Upper
63 100
65 30.6 25.6 38.4



#46
Dibromomethane
Concen: 16.782 ug/l
RT: 6.25 min Scan# 580
Delta R.T. -0.00 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Tgt Ion: 93 Resp: 32211
Ion Ratio Lower Upper
93 100
95 82.9 68.4 102.6
174 118.5 99.6 149.4





#47

Bromodichloromethane

Concen: 17.133 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

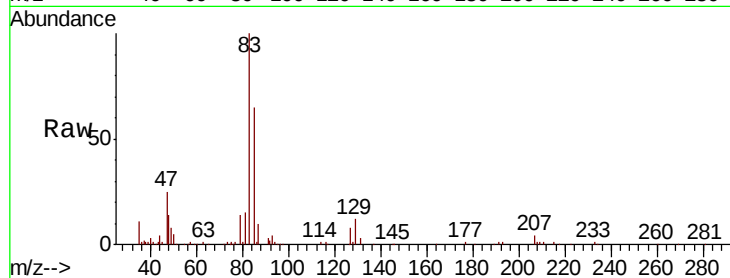
Tot Ion: 83 Resp: 79070

Ion Ratio Lower Upper

83 100

85 64.8 49.1 73.7

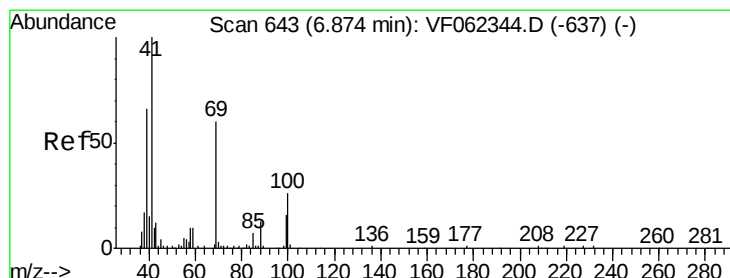
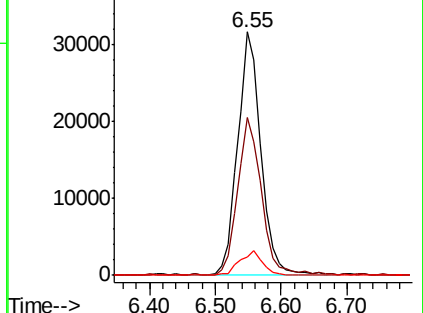
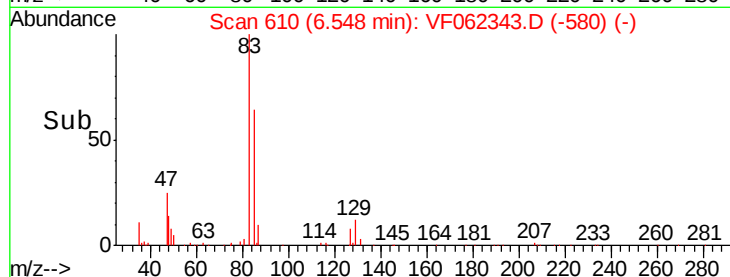
127 7.6 7.8 11.8#



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 15.609 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

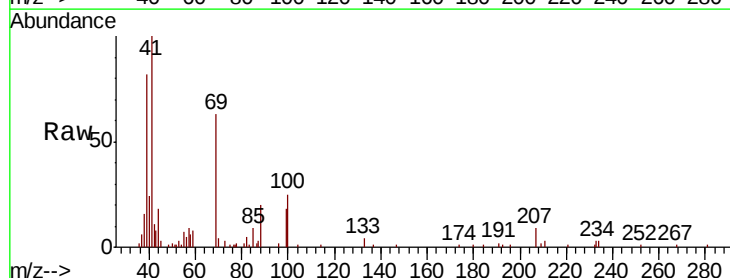
Tgt Ion: 41 Resp: 23662

Ion Ratio Lower Upper

41 100

69 61.4 48.6 72.8

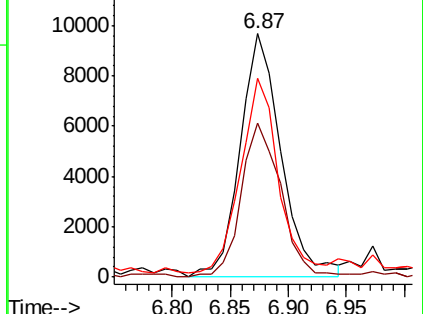
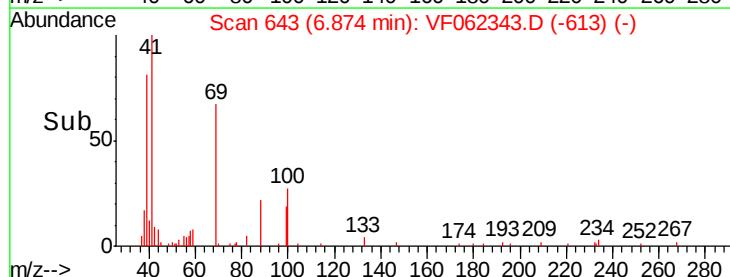
39 73.0 56.1 84.1

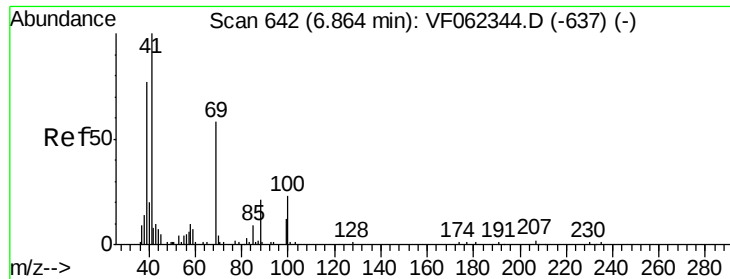


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

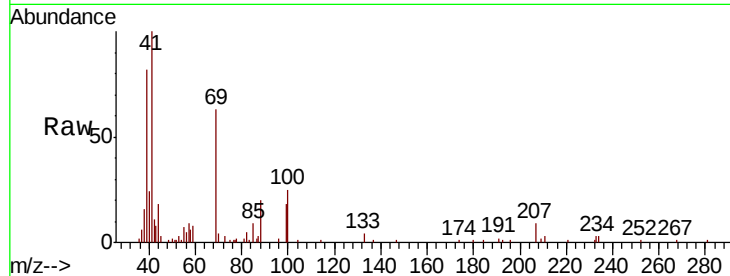




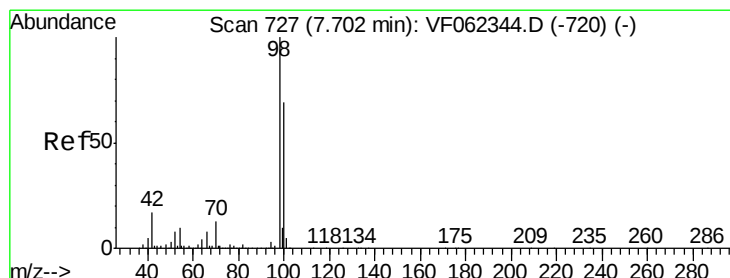
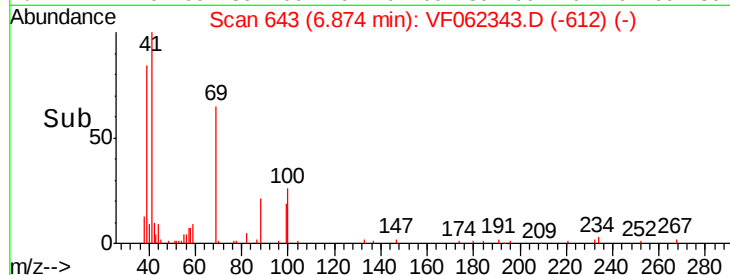
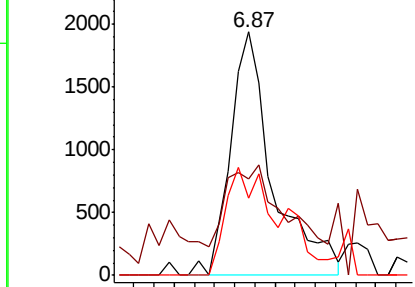
#49
1,4-Dioxane
Concen: 338.492 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 5689
Ion Ratio Lower Upper
88 100
43 41.1 55.6 83.4#
58 42.2 52.8 79.2#

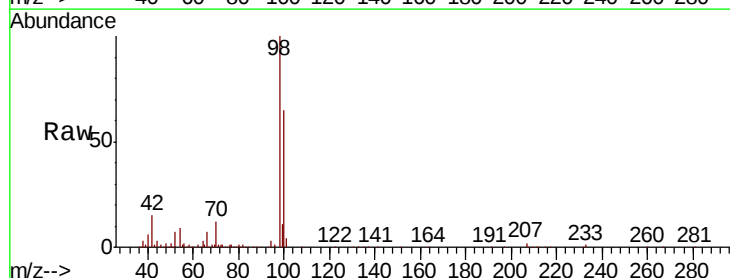


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

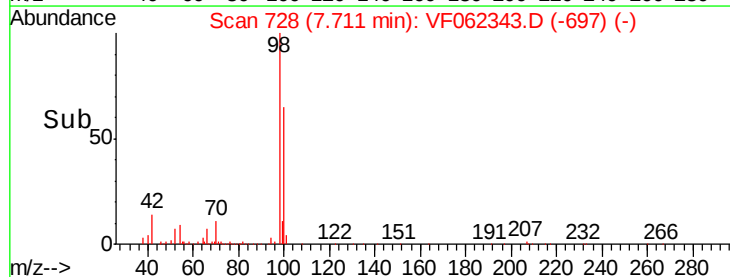
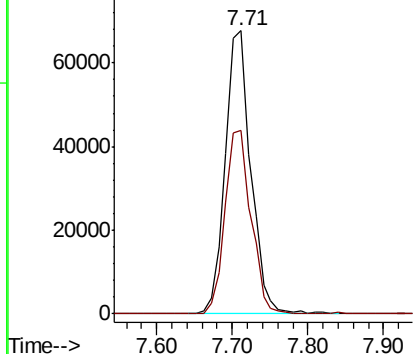


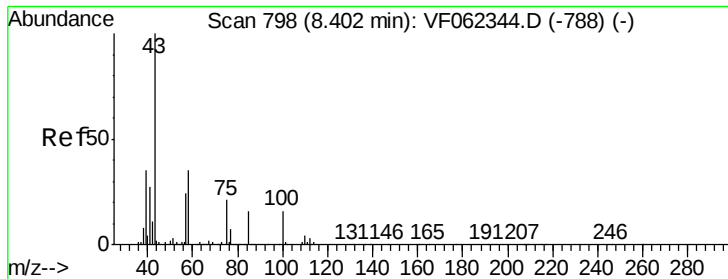
#50
Toluene-d8
Concen: 15.792 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Tgt Ion: 98 Resp: 158753
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9



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: 82.677 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

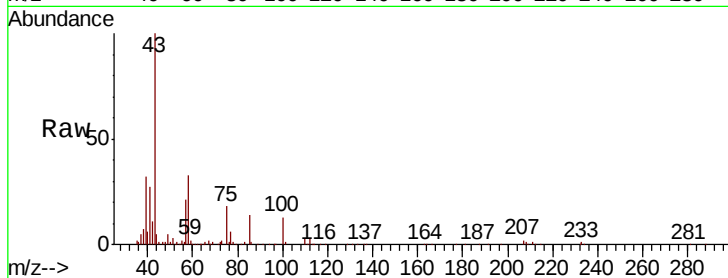
VSTDIC020

Tot Ion: 43 Resp: 132981

Ion Ratio Lower Upper

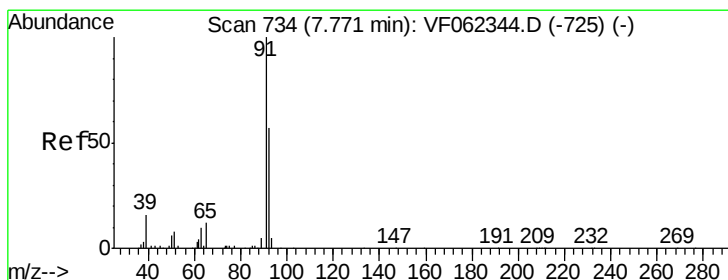
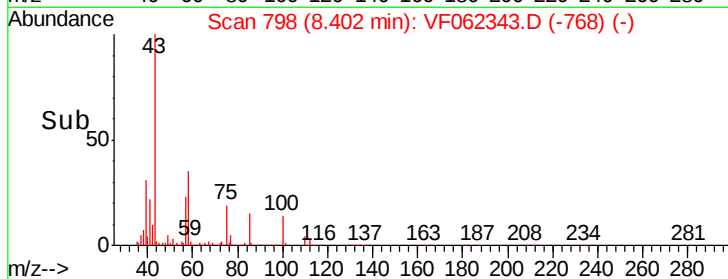
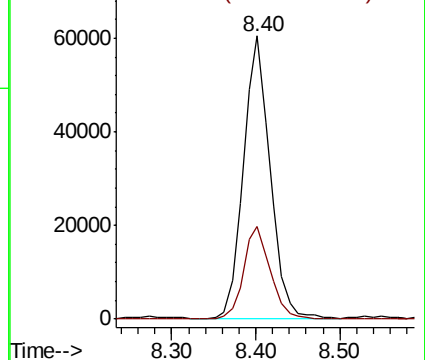
43 100

58 33.1 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 15.502 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF062343.D

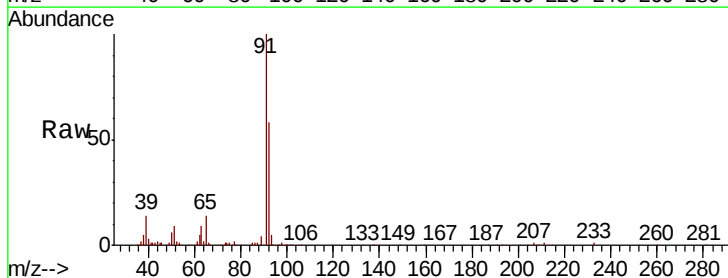
Acq: 6 May 2019 18:40

Tgt Ion: 92 Resp: 101695

Ion Ratio Lower Upper

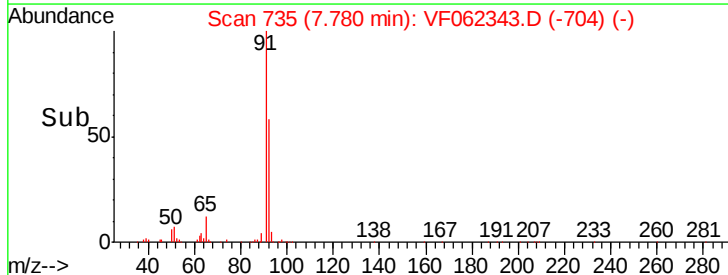
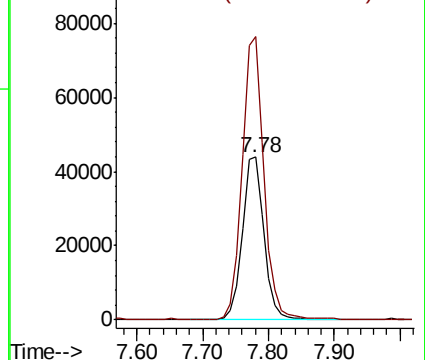
92 100

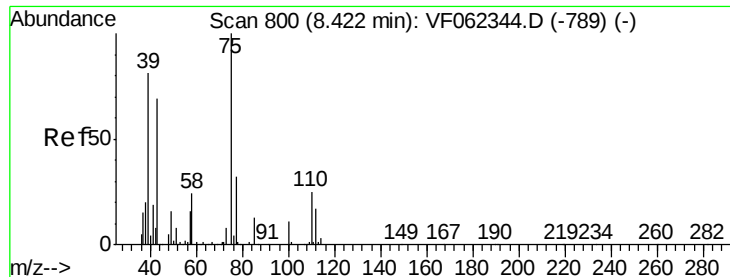
91 175.0 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 17.329 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

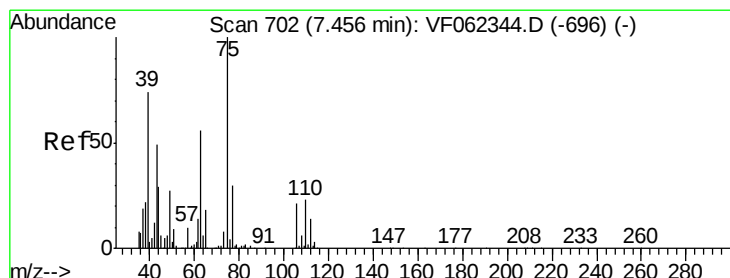
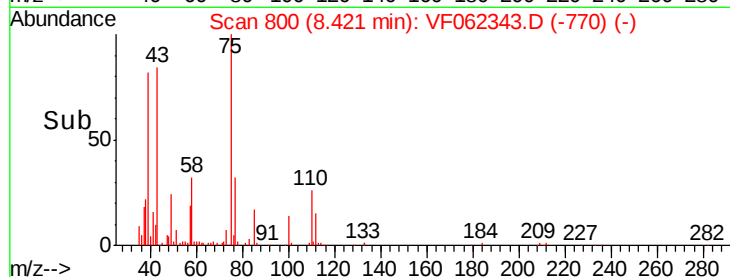
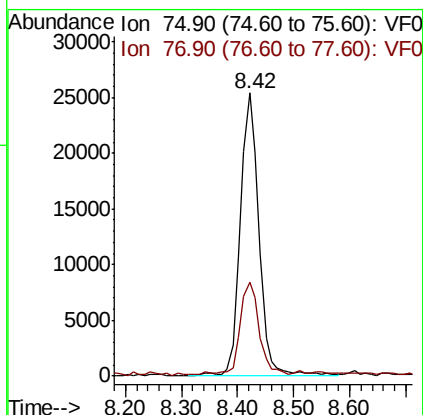
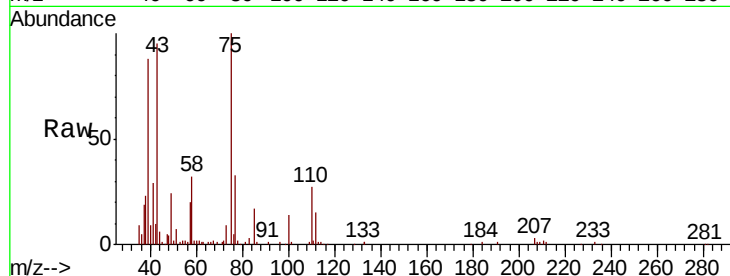
VSTDIC020

Tot Ion: 75 Resp: 59107

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 16.175 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

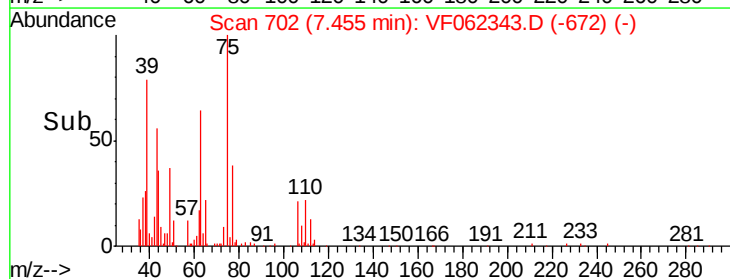
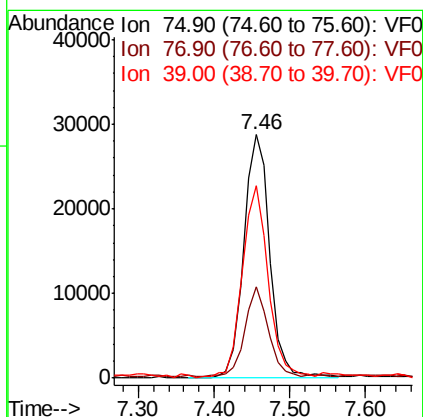
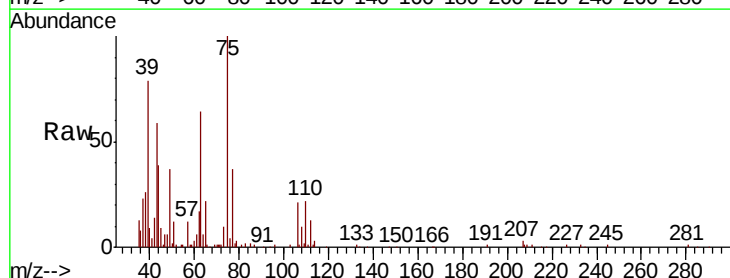
Tgt Ion: 75 Resp: 68831

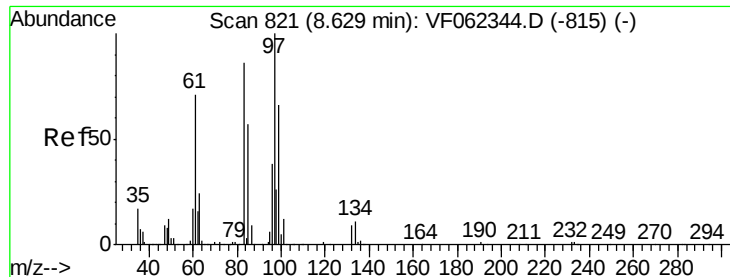
Ion Ratio Lower Upper

75 100

77 36.8 24.0 36.0#

39 77.7 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 16.630 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 32587

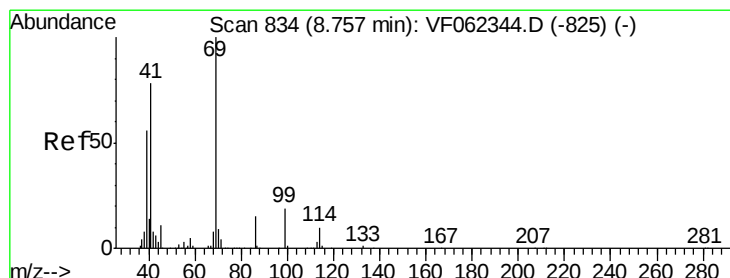
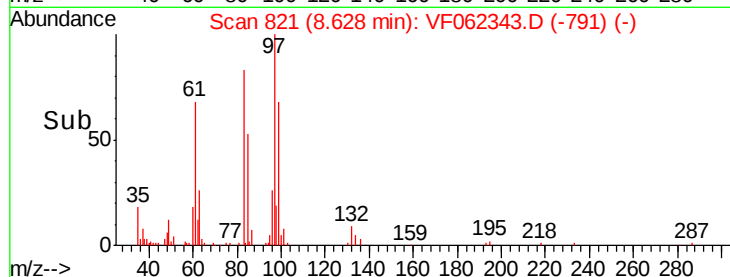
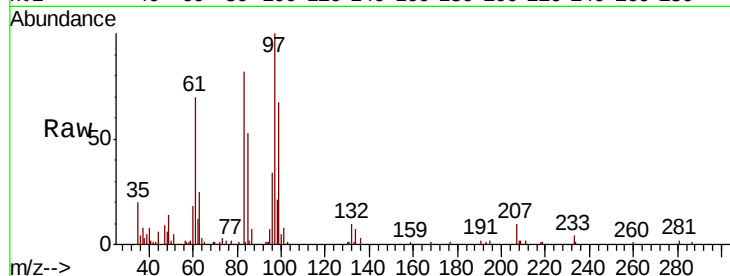
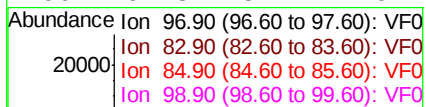
Ion	Ratio	Lower	Upper
97	100		
83	82.0	68.5	102.7
85	52.6	45.4	68.2
99	67.3	52.7	79.1

97 100

83 82.0 68.5 102.7

85 52.6 45.4 68.2

99 67.3 52.7 79.1



#56

Ethyl methacrylate

Concen: 16.517 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

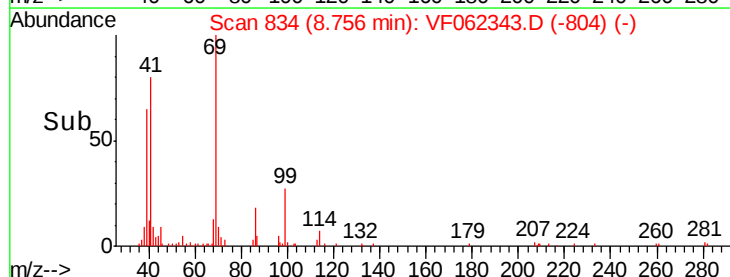
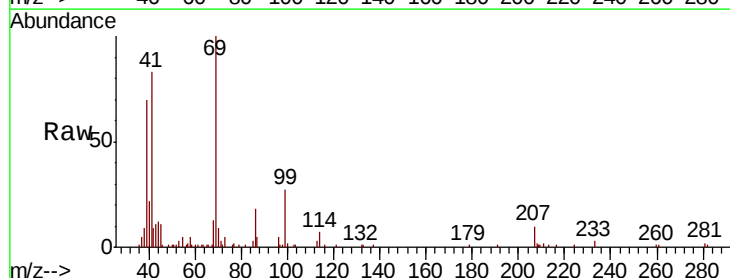
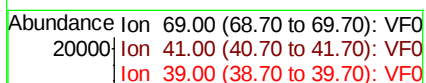
Tgt Ion: 69 Resp: 34889

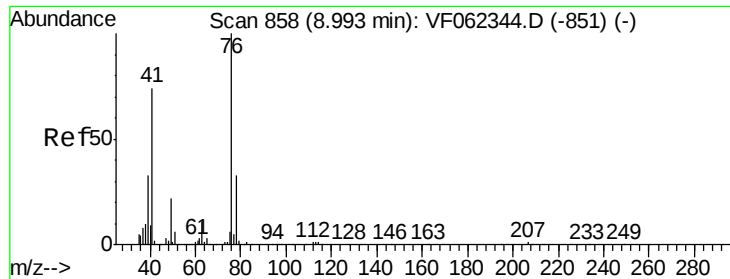
Ion	Ratio	Lower	Upper
69	100		
41	76.9	66.3	99.5
39	60.8	50.1	75.1

69 100

41 76.9 66.3 99.5

39 60.8 50.1 75.1





#57

1,3-Dichloropropane

Concen: 16.115 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

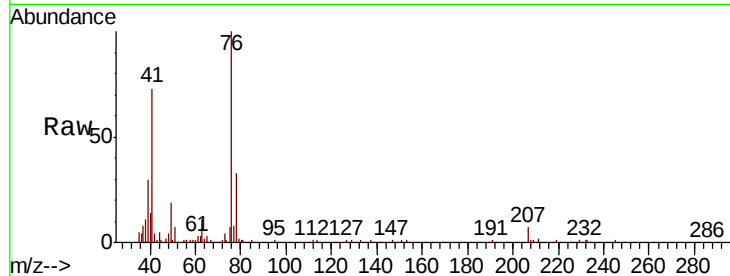
VSTDIC020

Tot Ion: 76 Resp: 48419

Ion Ratio Lower Upper

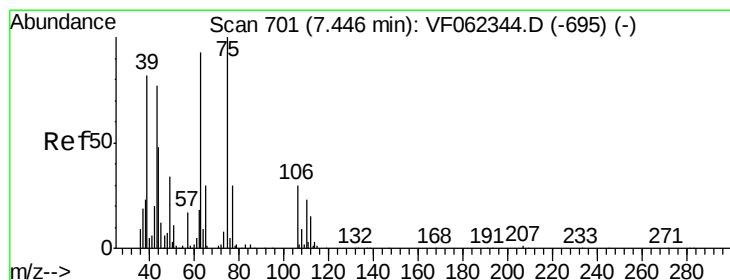
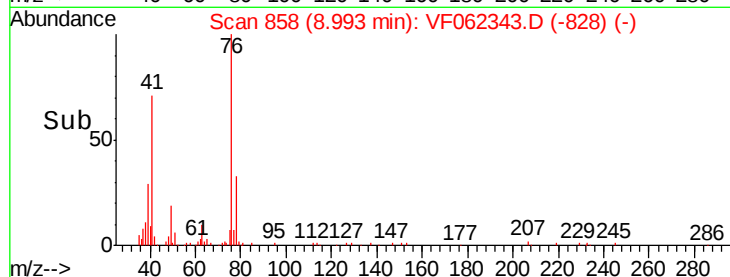
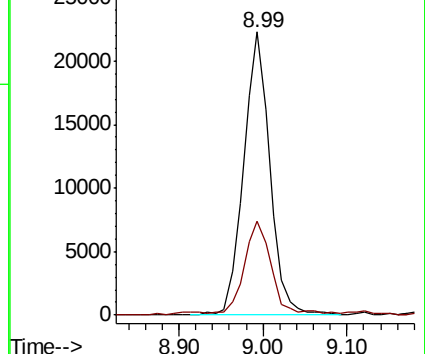
76 100

78 33.8 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 81.367 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF062343.D

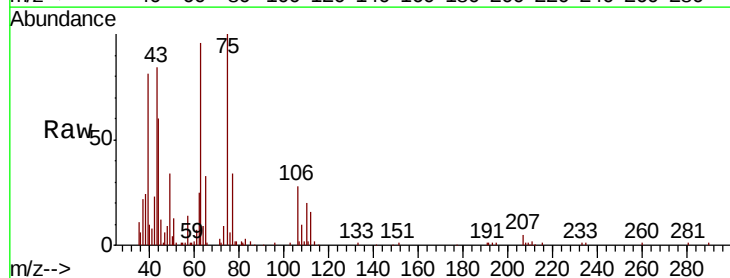
Acq: 6 May 2019 18:40

Tgt Ion: 63 Resp: 50908

Ion Ratio Lower Upper

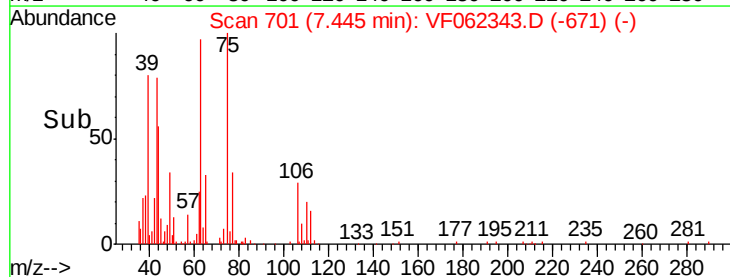
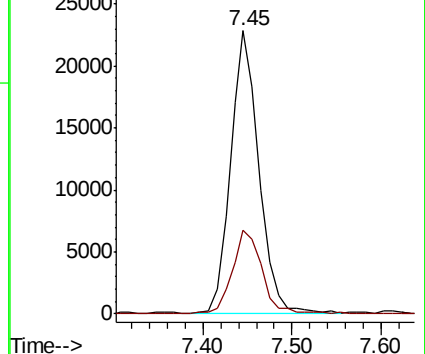
63 100

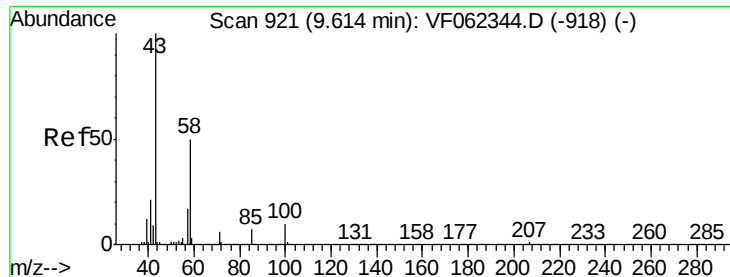
106 30.6 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

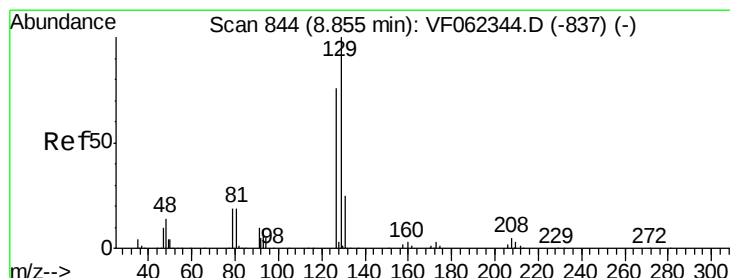
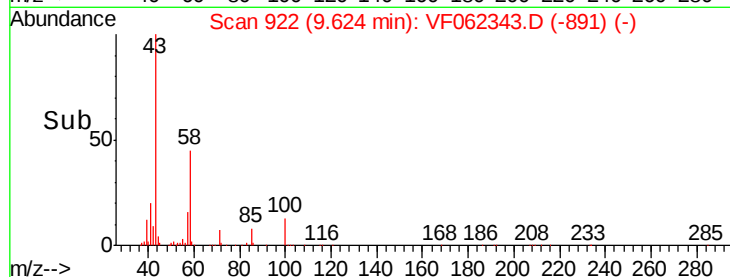
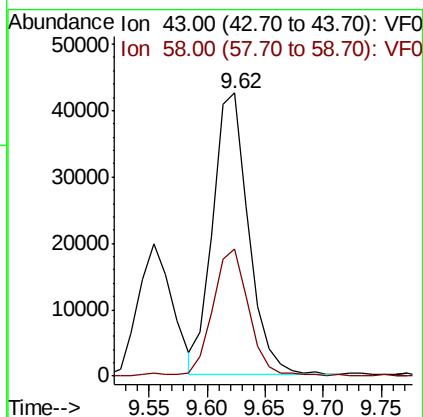
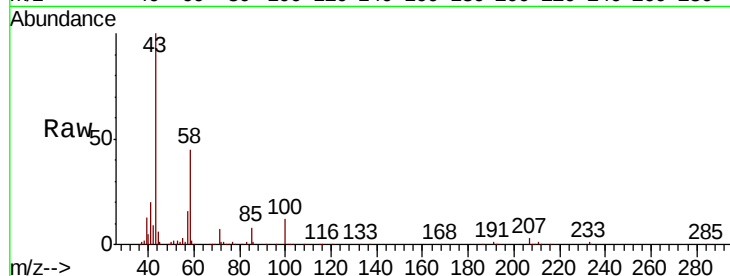




#59
2-Hexanone
Concen: 81.493 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

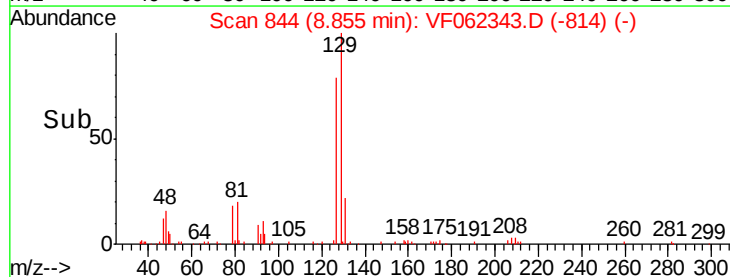
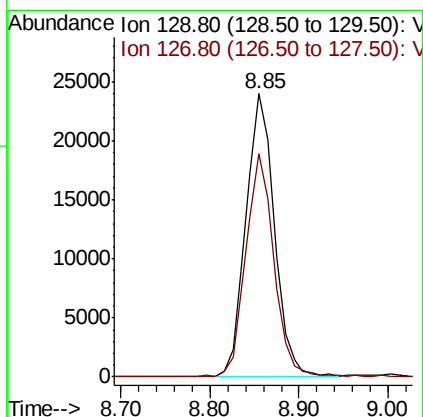
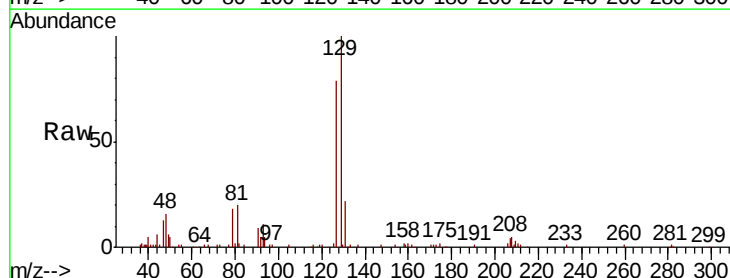
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

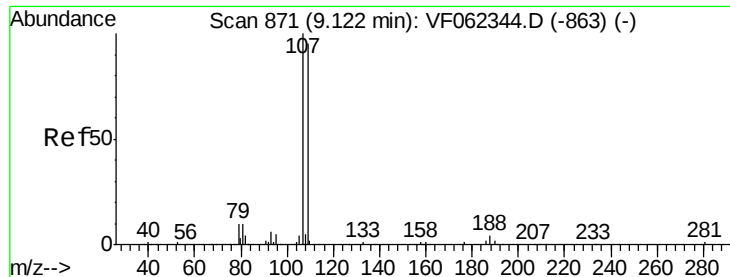
Tot Ion: 43 Resp: 90466
Ion Ratio Lower Upper
43 100
58 45.1 24.3 73.0



#60
Dibromochloromethane
Concen: 16.554 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Tgt Ion: 129 Resp: 53072
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 15.642 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.01 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

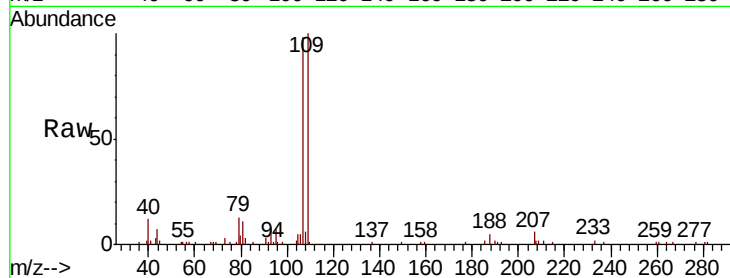
VSTDIC020

Tot Ion:107 Resp: 35780

Ion Ratio Lower Upper

107 100

109 99.4 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.13

15000

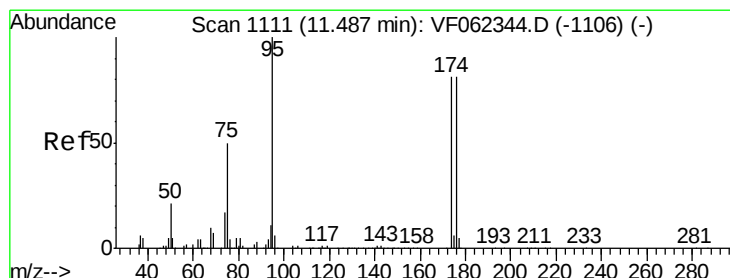
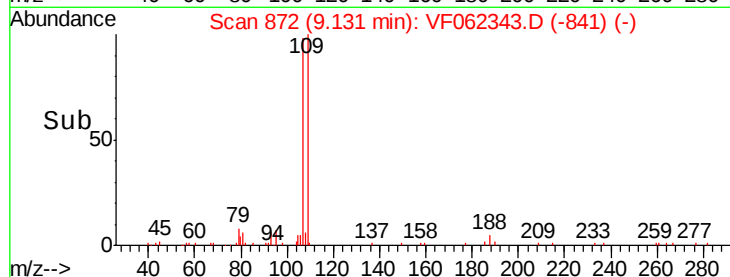
10000

5000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 16.694 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

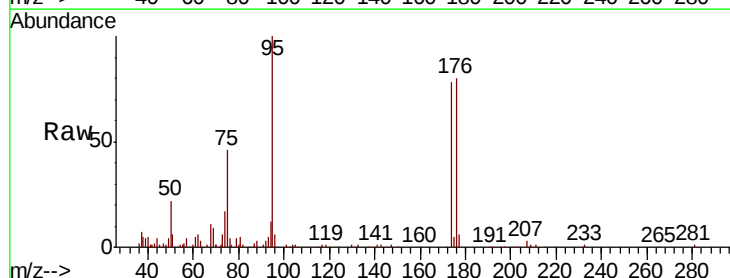
Tgt Ion: 95 Resp: 69343

Ion Ratio Lower Upper

95 100

174 90.6 0.0 191.8

176 96.0 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

50000

40000

30000

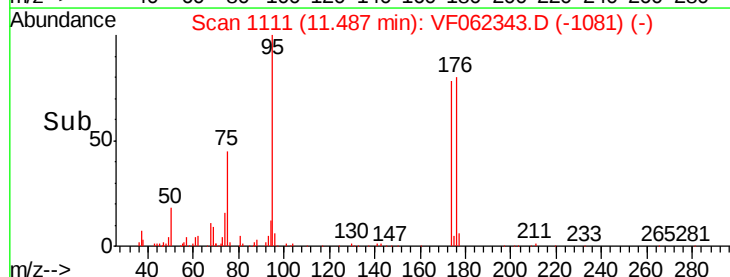
20000

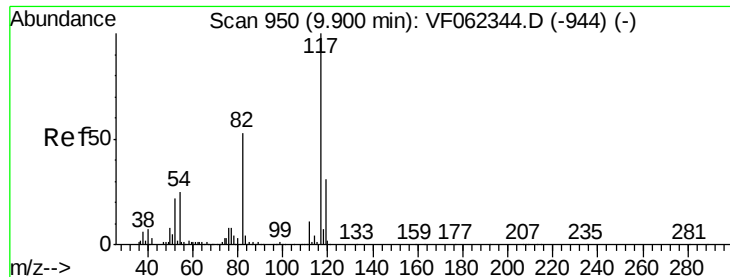
10000

0

Time-->

11.40 11.50 11.60





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. 0.01 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

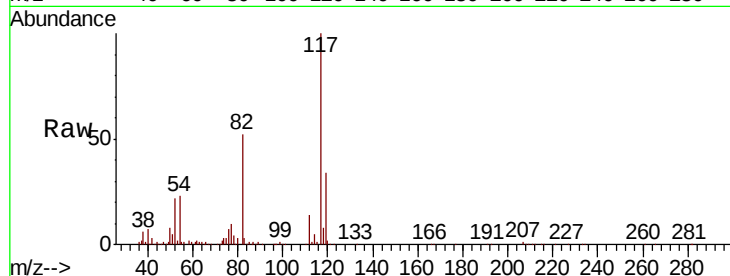
Tot Ion:117 Resp: 348809

Ion Ratio Lower Upper

117 100

82 52.4 42.2 63.2

119 34.5 25.0 37.4

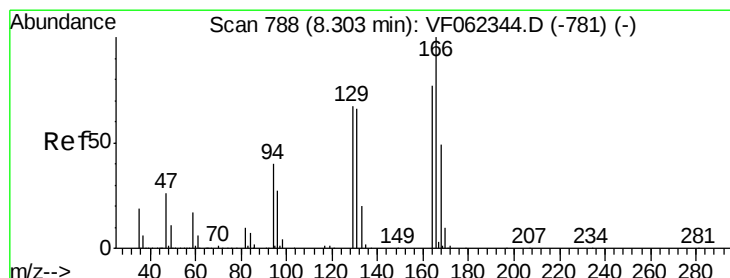
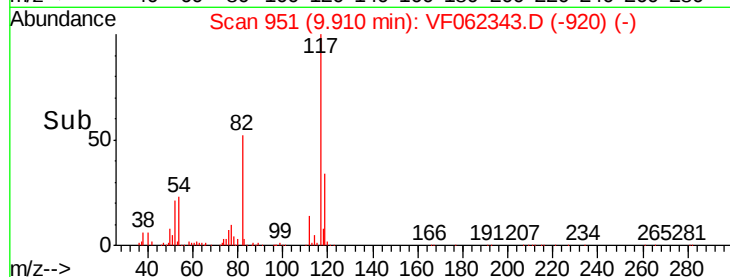
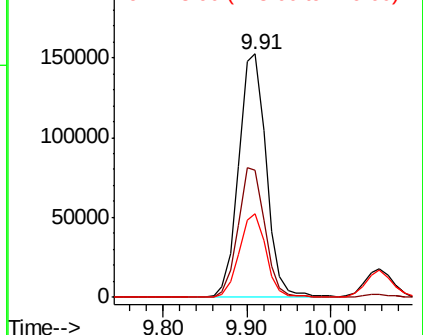


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 16.862 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Tgt Ion:164 Resp: 59473

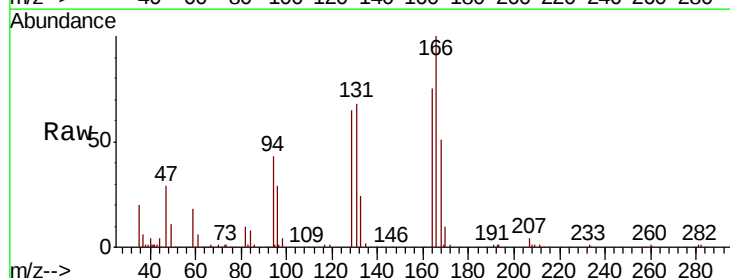
Ion Ratio Lower Upper

164 100

166 133.0 104.2 156.4

129 87.1 69.6 104.4

131 89.7 68.8 103.2



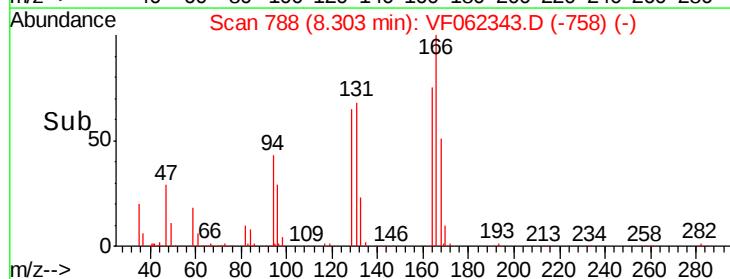
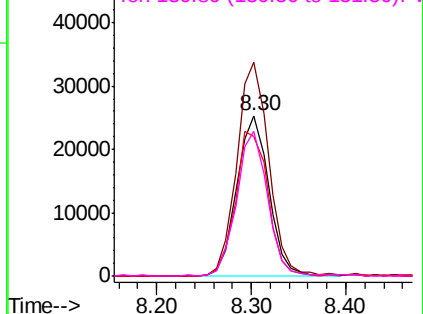
Abundance

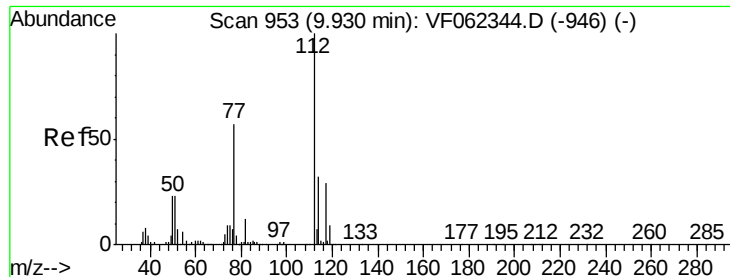
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

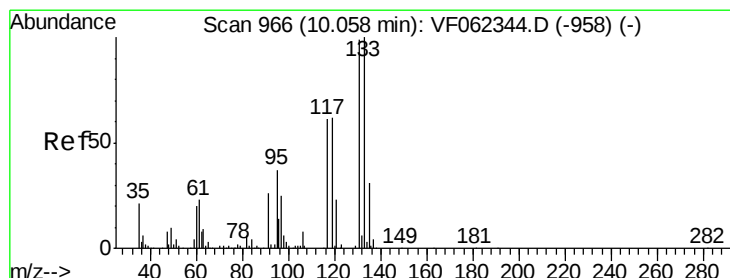
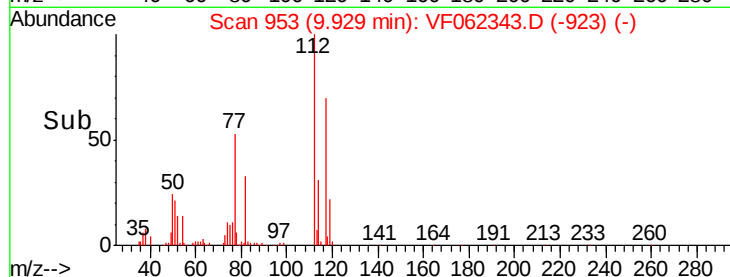
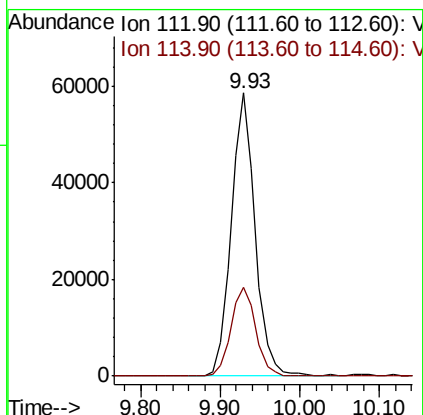
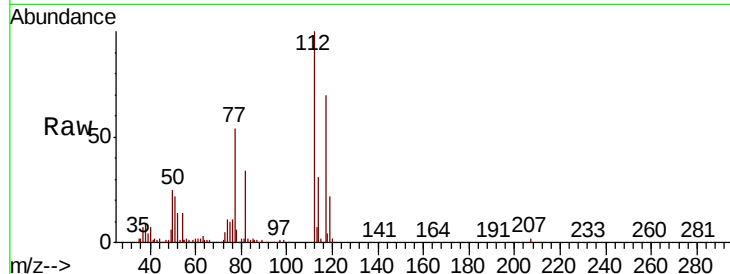




#65
Chlorobenzene
Concen: 16.145 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

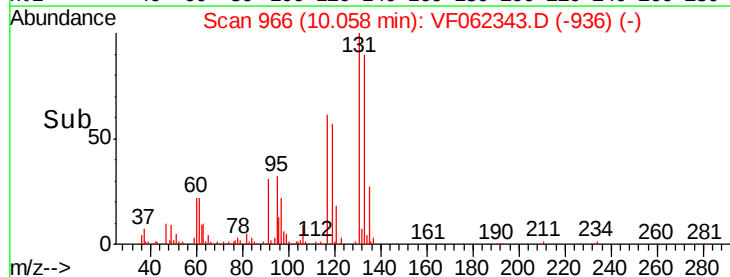
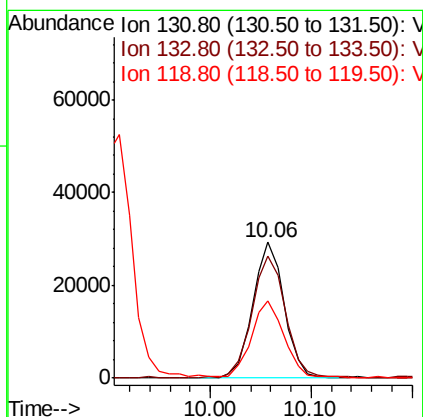
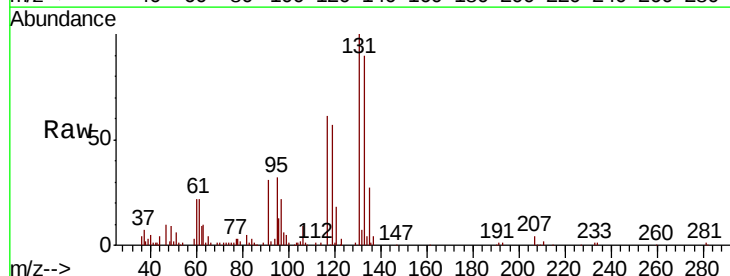
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

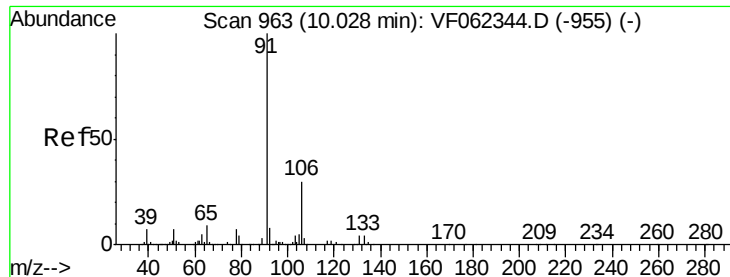
Tot Ion:112 Resp: 122812
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 17.319 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.00 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Tgt Ion:131 Resp: 63607
Ion Ratio Lower Upper
131 100
133 97.3 50.2 150.7
119 58.6 31.6 95.0





#67

Ethyl Benzene

Concen: 15.875 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

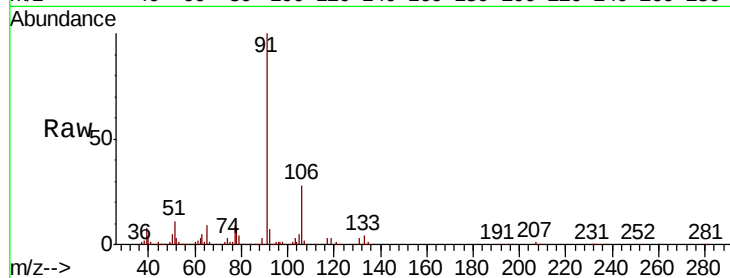
VSTDIC020

Tot Ion: 91 Resp: 209592

Ion Ratio Lower Upper

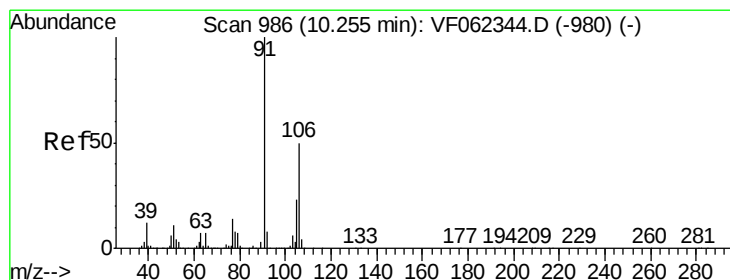
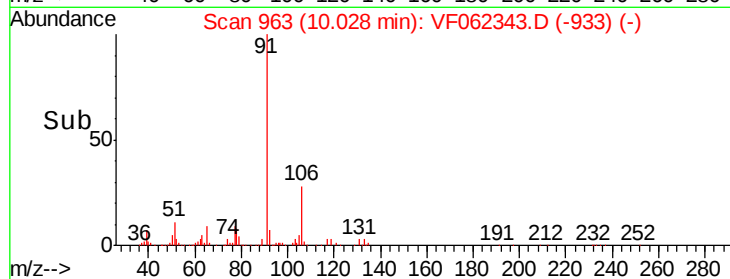
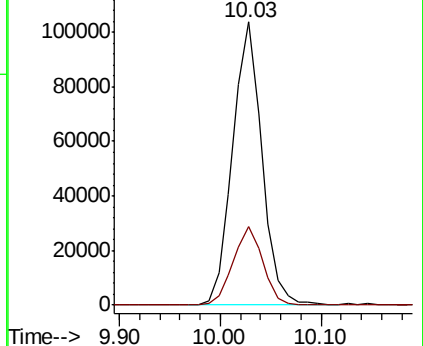
91 100

106 27.7 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 32.805 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.00 min

Lab File: VF062343.D

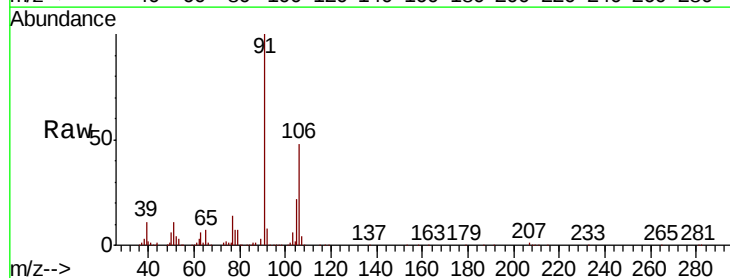
Acq: 6 May 2019 18:40

Tgt Ion: 106 Resp: 159154

Ion Ratio Lower Upper

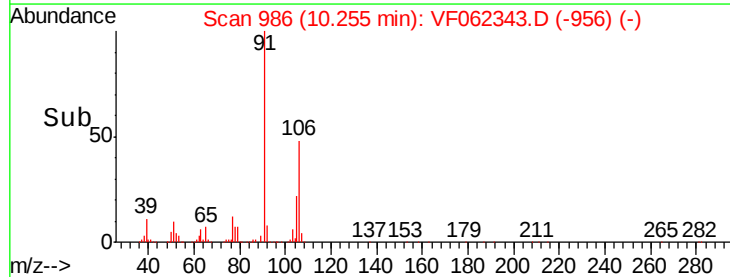
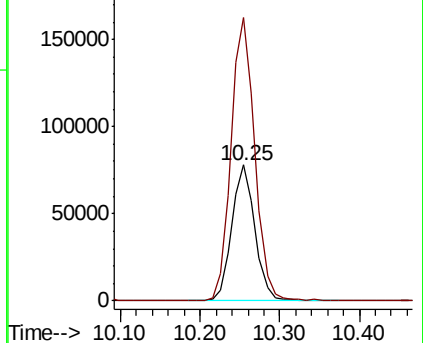
106 100

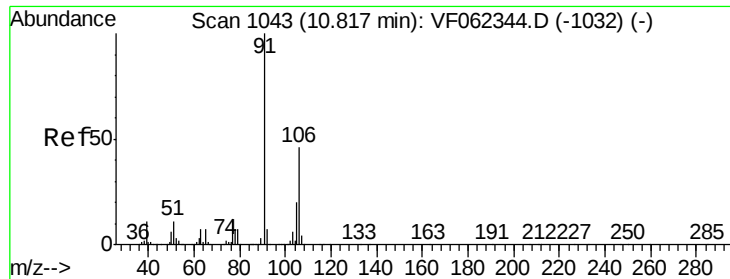
91 213.5 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

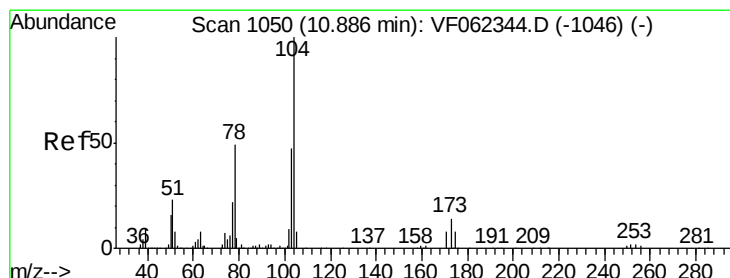
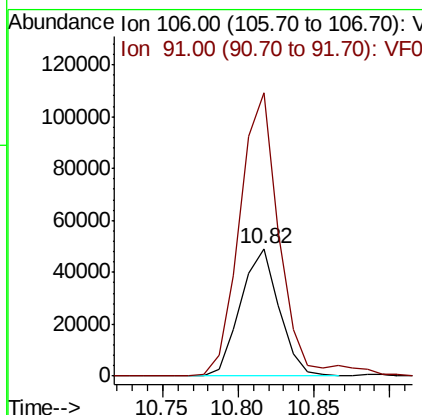
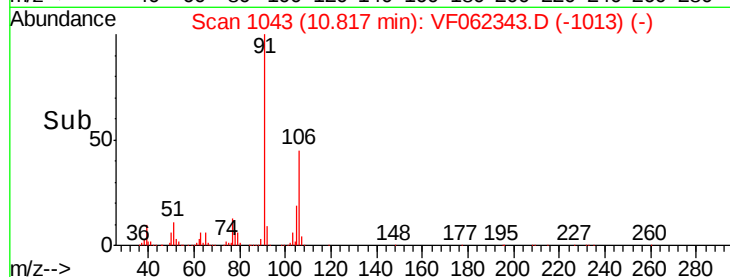
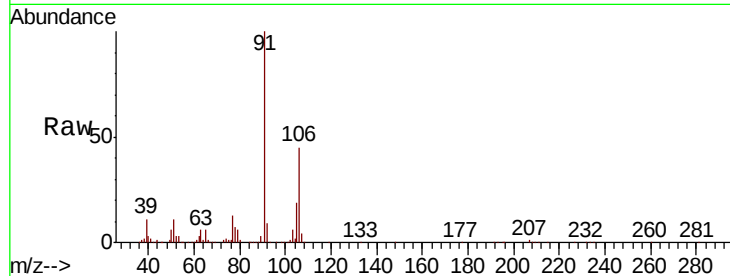




#69
o-Xylene
Concen: 16.033 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

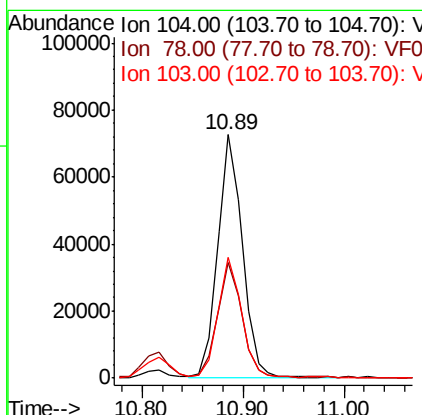
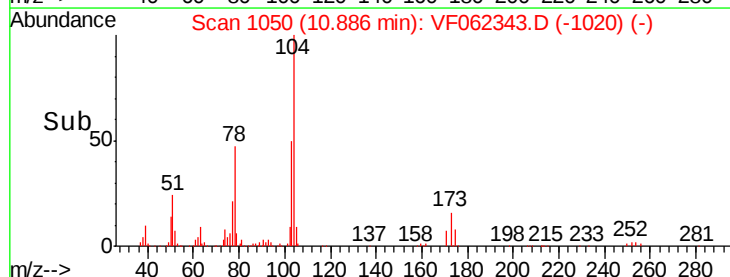
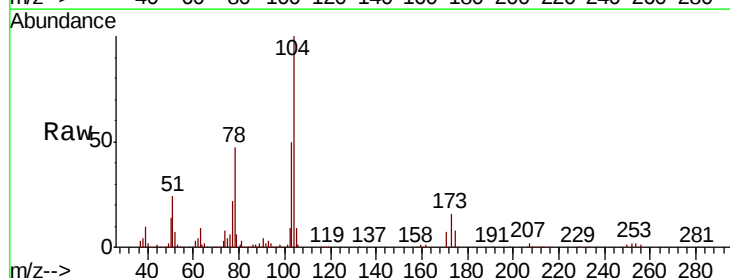
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

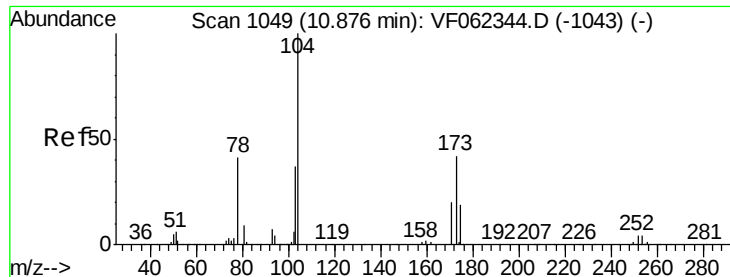
Tot Ion:106 Resp: 87071
Ion Ratio Lower Upper
106 100
91 223.6 111.3 333.8



#70
Styrene
Concen: 15.731 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Tgt Ion:104 Resp: 123904
Ion Ratio Lower Upper
104 100
78 47.4 39.5 59.3
103 48.7 38.4 57.6





#71

Bromoform

Concen: 16.306 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

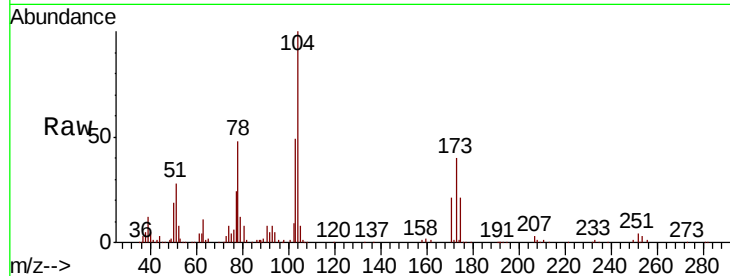
Tot Ion:173 Resp: 33445

Ion Ratio Lower Upper

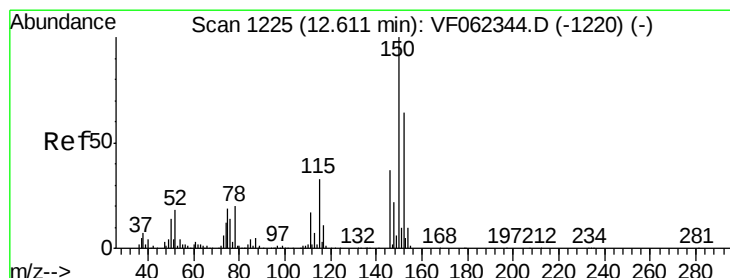
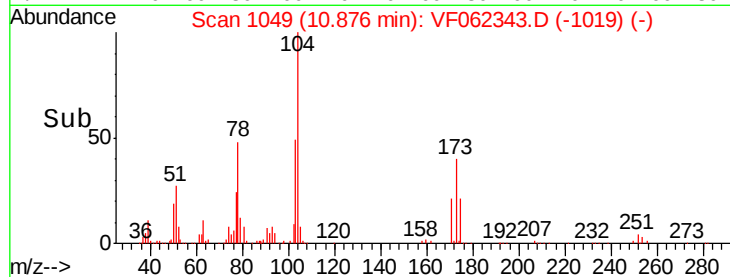
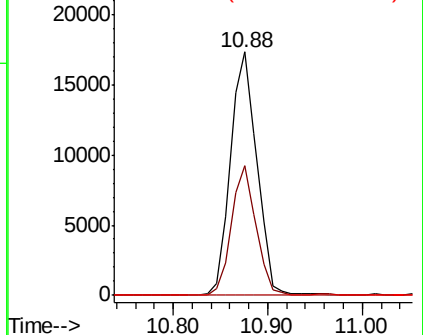
173 100

175 49.2 23.8 71.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

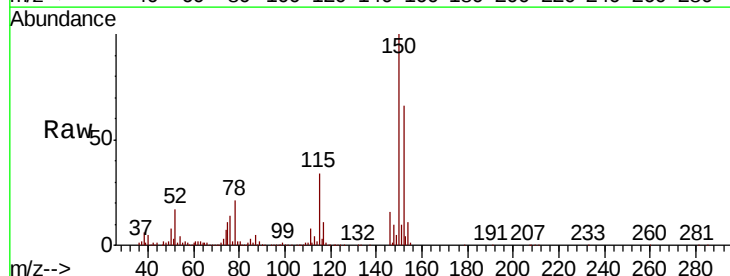
Tgt Ion:152 Resp: 219398

Ion Ratio Lower Upper

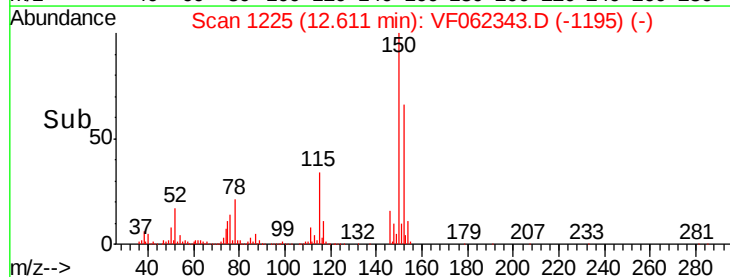
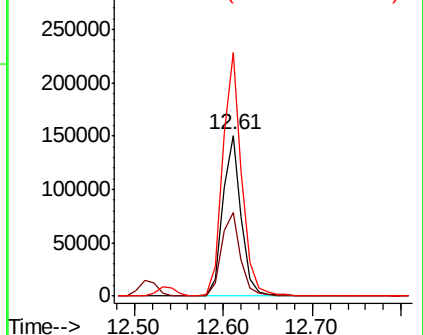
152 100

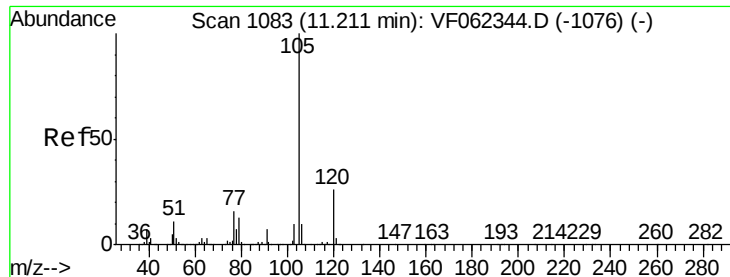
115 54.1 26.4 79.2

150 155.6 0.0 335.0



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





#73

Isopropylbenzene

Concen: 15.040 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

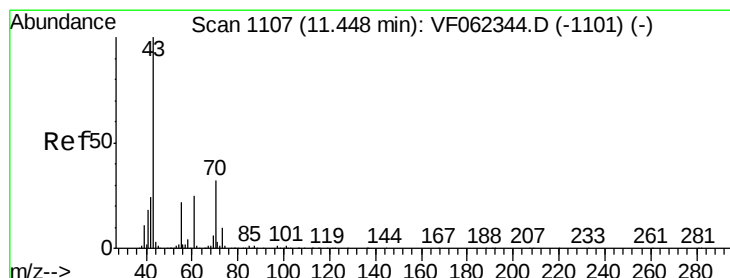
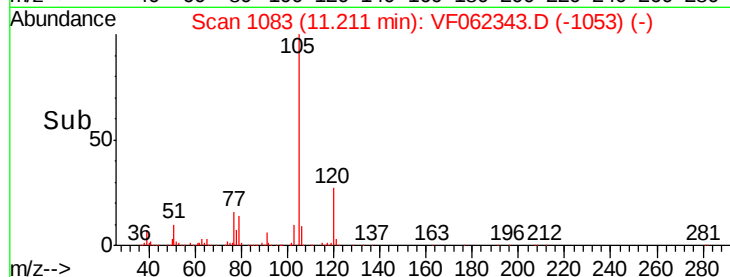
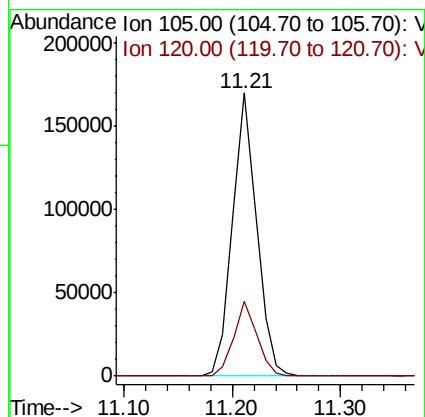
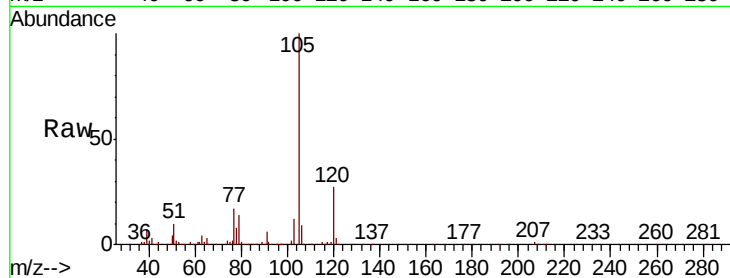
VSTDIC020

Tot Ion:105 Resp: 267444

Ion Ratio Lower Upper

105 100

120 25.6 12.7 38.0



#74

N-ethyl acetate

Concen: 14.841 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Tgt Ion: 43 Resp: 58149

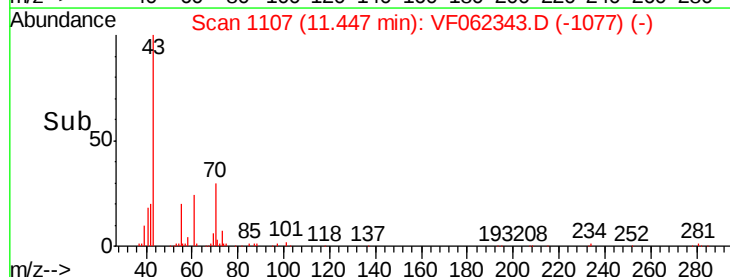
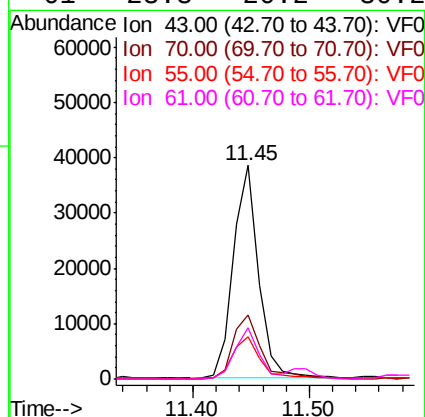
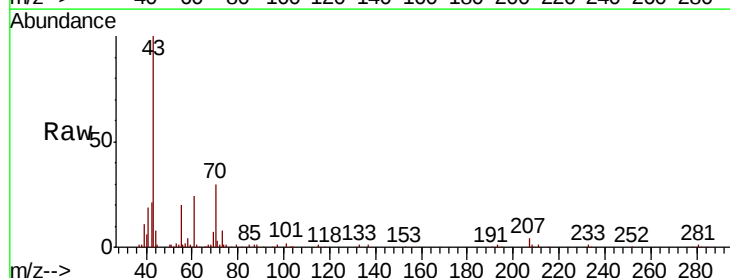
Ion Ratio Lower Upper

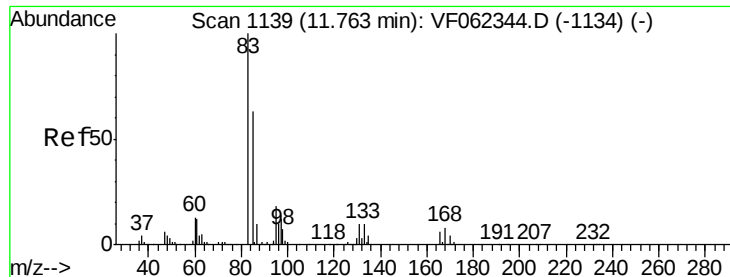
43 100

70 33.8 26.5 39.7

55 22.9 17.8 26.6

61 23.3 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 14.188 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

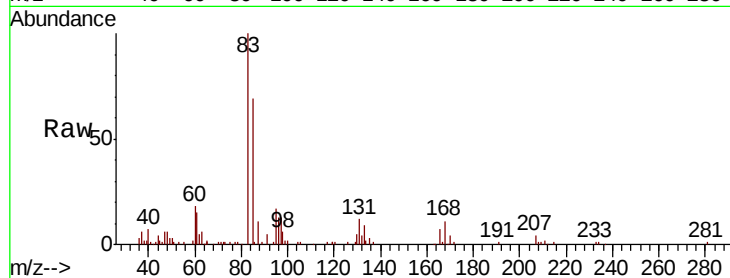
Tot Ion: 83 Resp: 39785

Ion Ratio Lower Upper

83 100

131 12.0 5.8 17.4

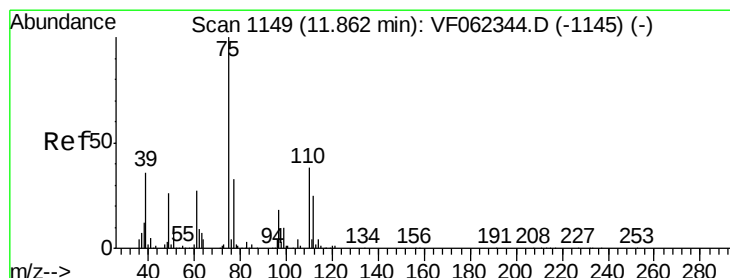
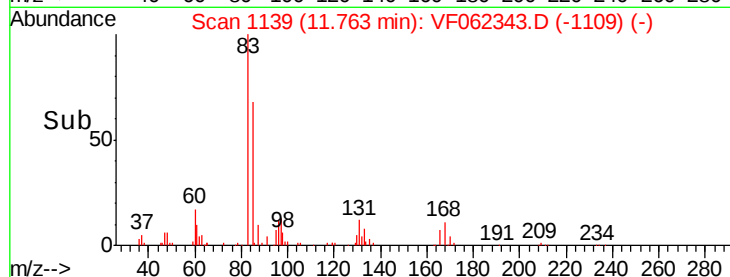
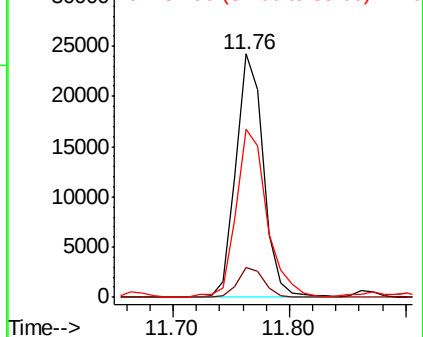
85 77.4 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 15.337 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF062343.D

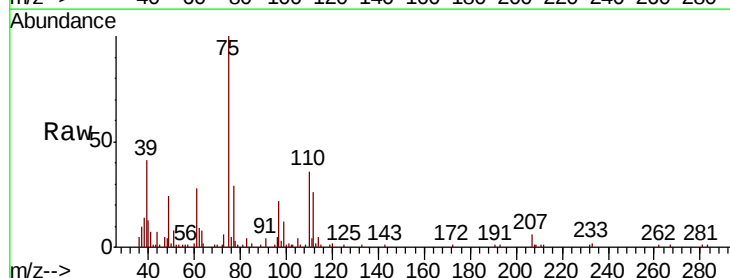
Acq: 6 May 2019 18:40

Tgt Ion: 75 Resp: 31332

Ion Ratio Lower Upper

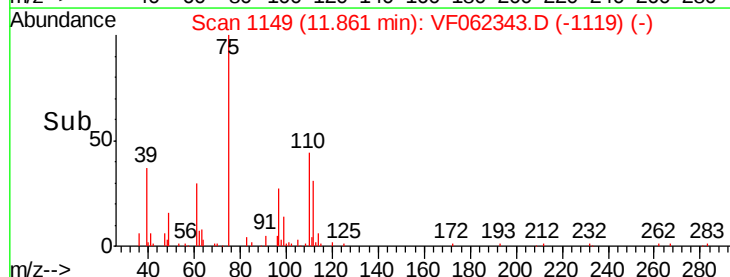
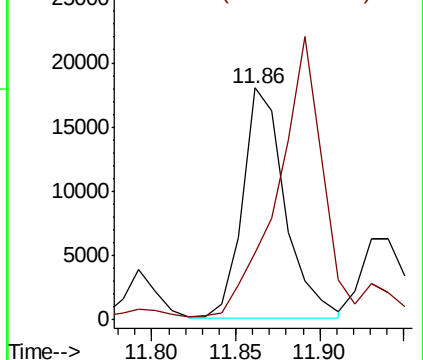
75 100

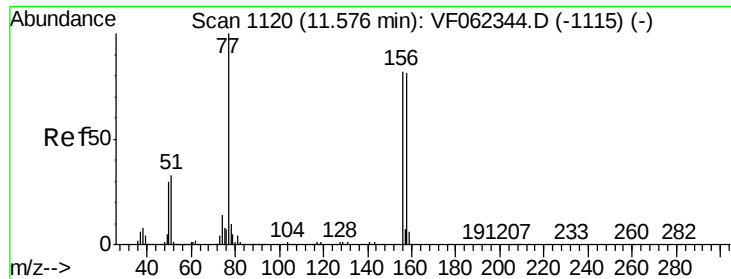
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 15.474 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

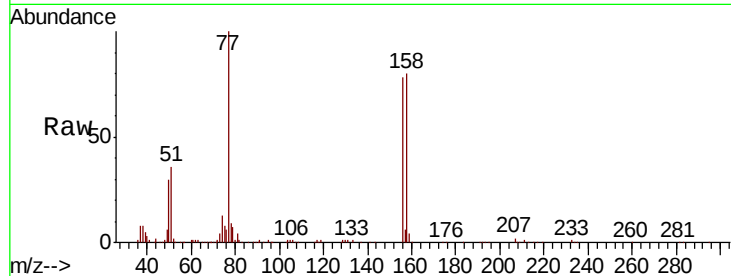
Tot Ion:156 Resp: 69573

Ion Ratio Lower Upper

156 100

77 132.3 64.8 194.3

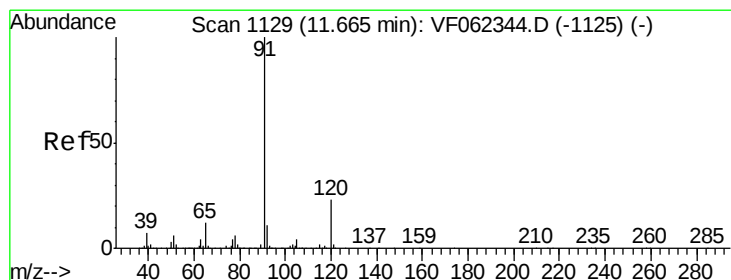
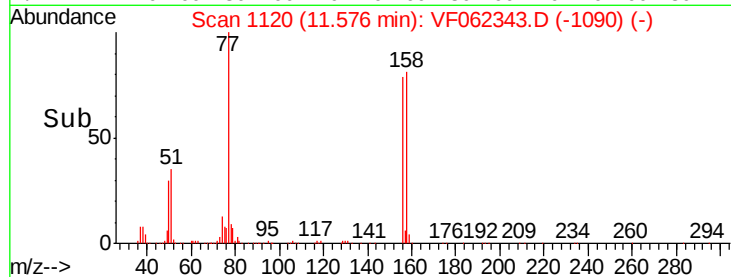
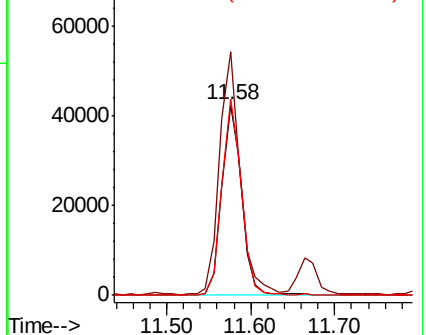
158 101.6 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 15.591 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VF062343.D

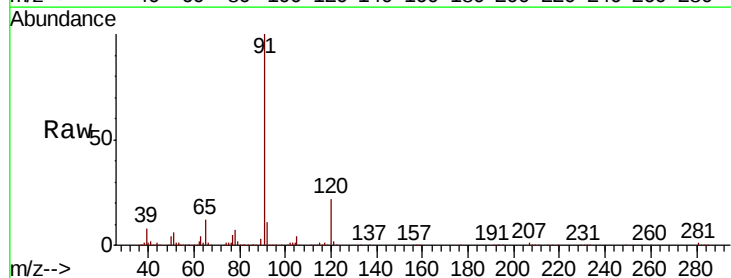
Acq: 6 May 2019 18:40

Tgt Ion: 91 Resp: 288691

Ion Ratio Lower Upper

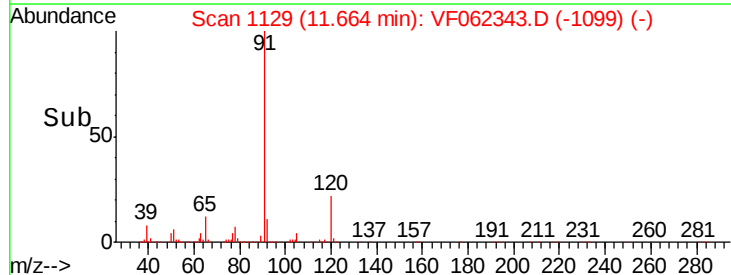
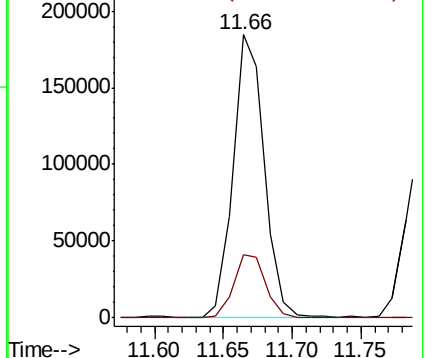
91 100

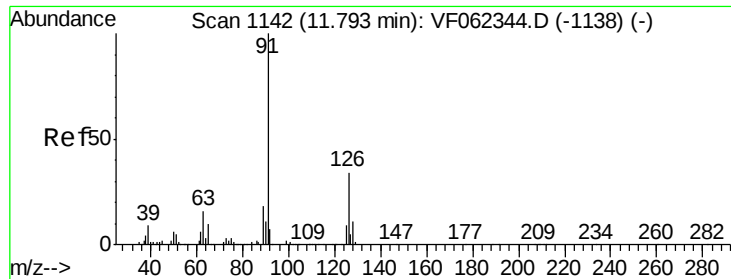
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

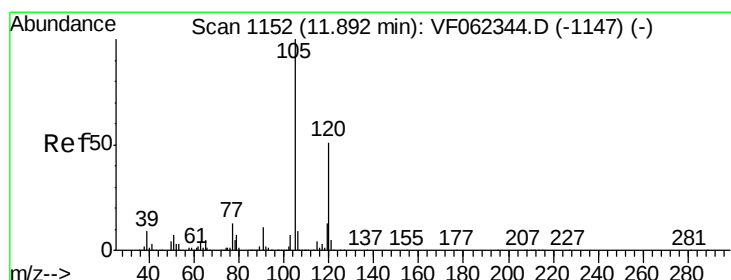
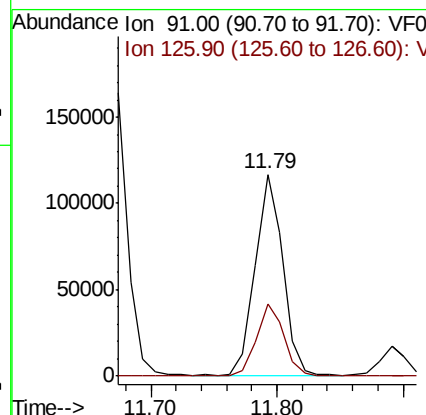
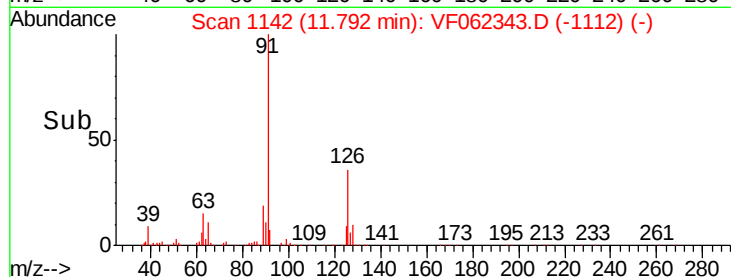
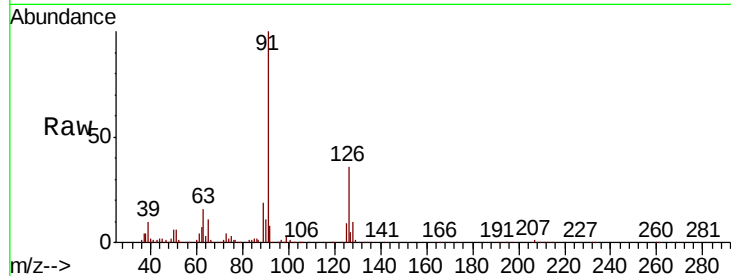




#79
2-Chlorotoluene
Concen: 15.595 ug/l
RT: 11.79 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

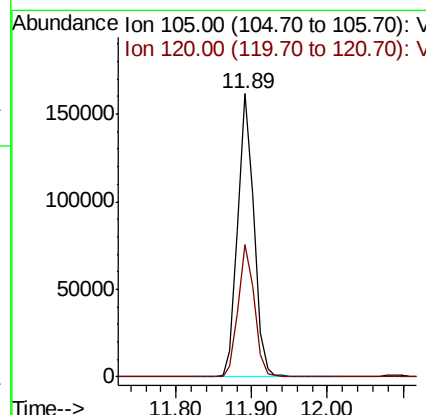
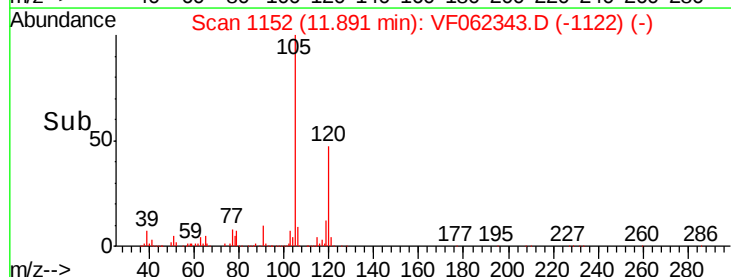
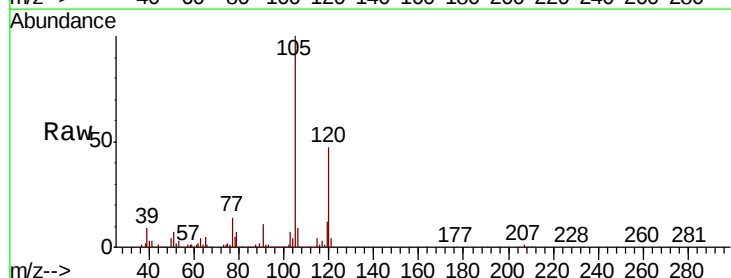
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

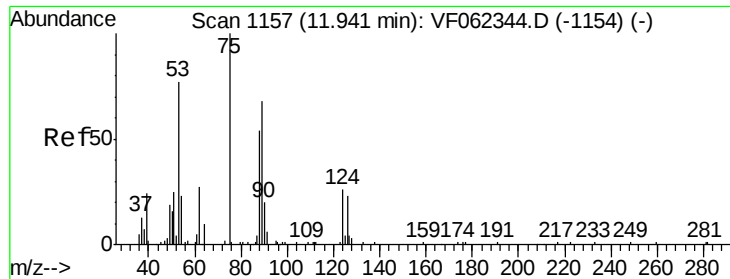
Tot Ion: 91 Resp: 177472
Ion Ratio Lower Upper
91 100
126 35.8 17.8 53.4



#80
1,3,5-Trimethylbenzene
Concen: 15.776 ug/l
RT: 11.89 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Tgt Ion:105 Resp: 236124
Ion Ratio Lower Upper
105 100
120 46.5 24.6 74.0

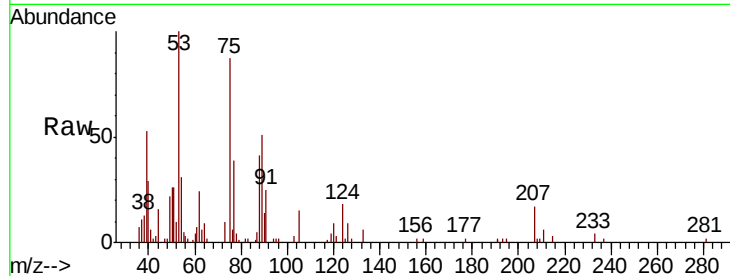




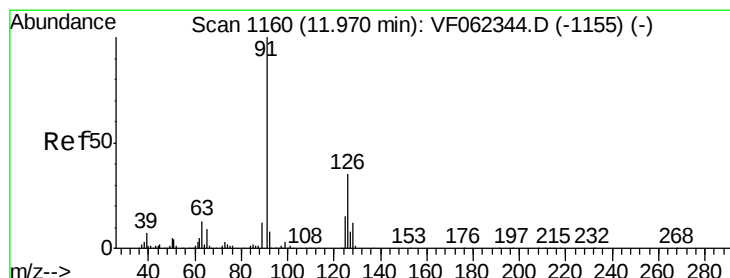
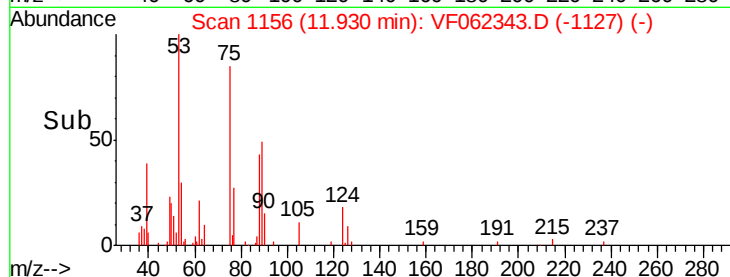
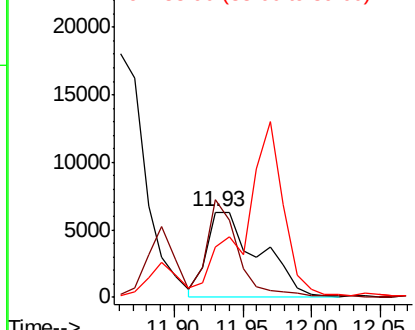
#81
trans-1,4-Dichloro-2-butene
Concen: 19.940 ug/l
RT: 11.93 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 16805
Ion Ratio Lower Upper
75 100
53 69.8 71.9 107.9#
89 0.0 0.0 0.0

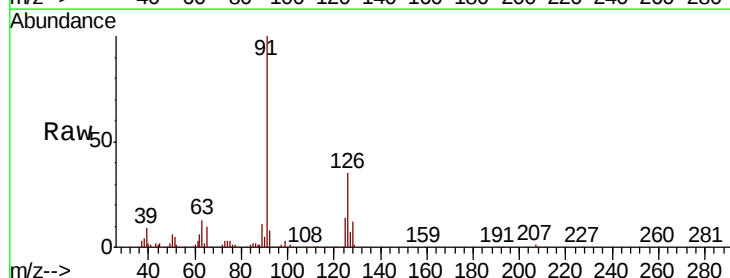


Abundance Ion 74.90 (74.60 to 75.60): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 88.90 (88.60 to 89.60): VF0

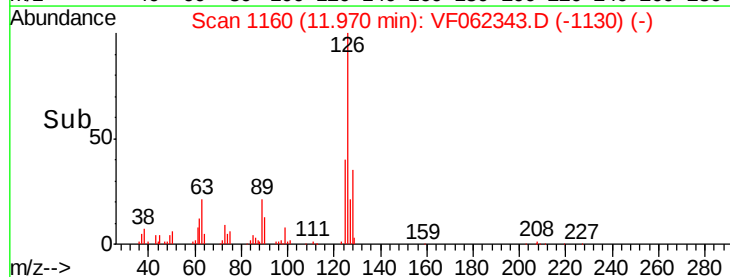
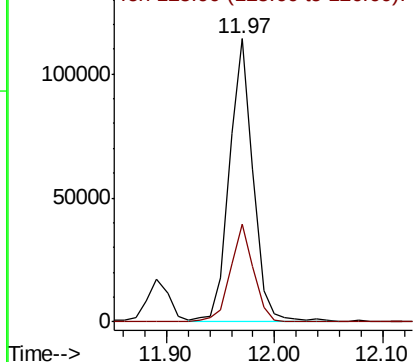


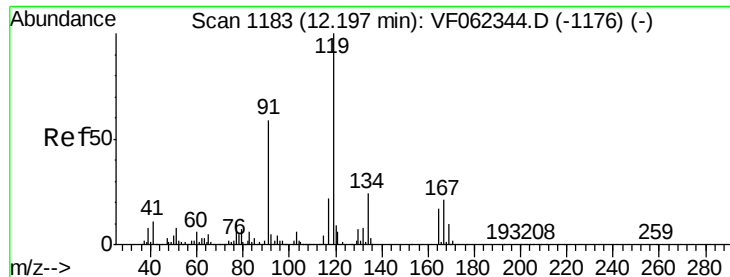
#82
4-Chlorotoluene
Concen: 15.426 ug/l
RT: 11.97 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Tgt Ion: 91 Resp: 172462
Ion Ratio Lower Upper
91 100
126 34.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 125.90 (125.60 to 126.60): V

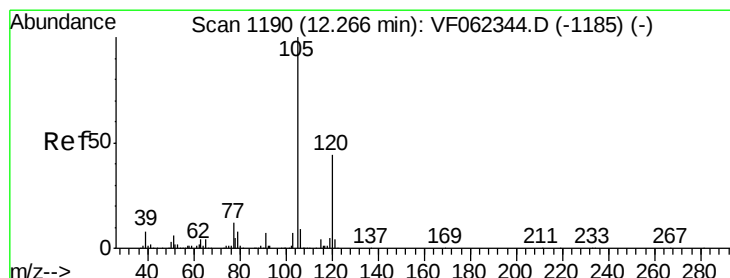
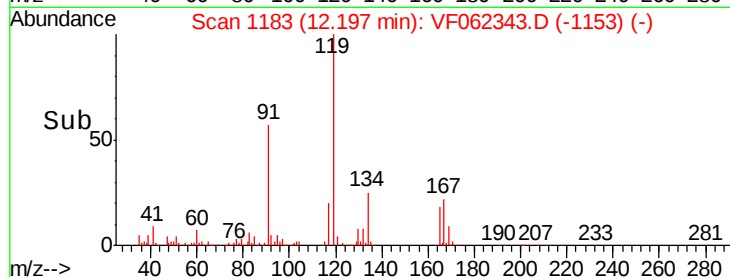
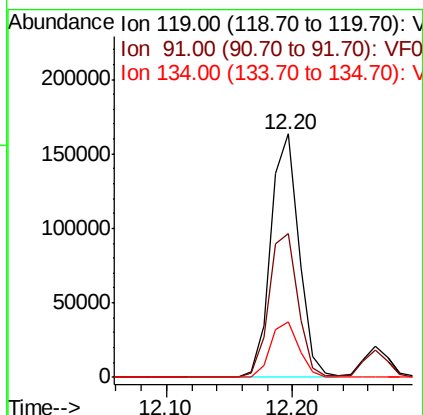
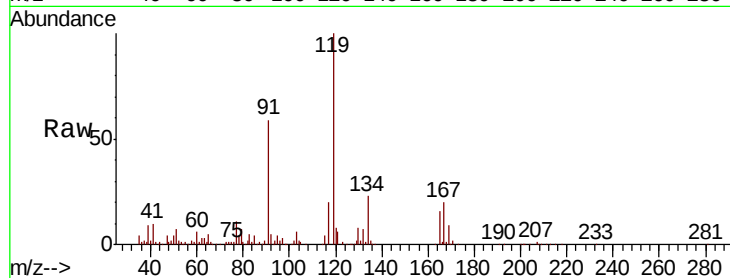




#83
tert-Butylbenzene
Concen: 16.239 ug/l
RT: 12.20 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

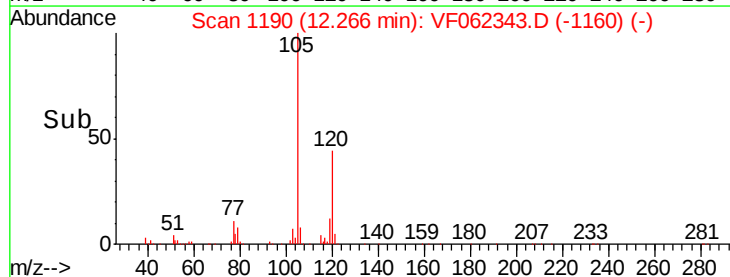
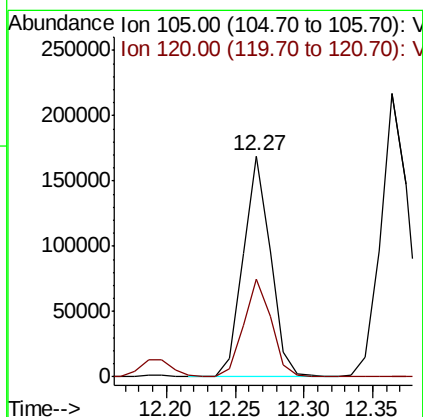
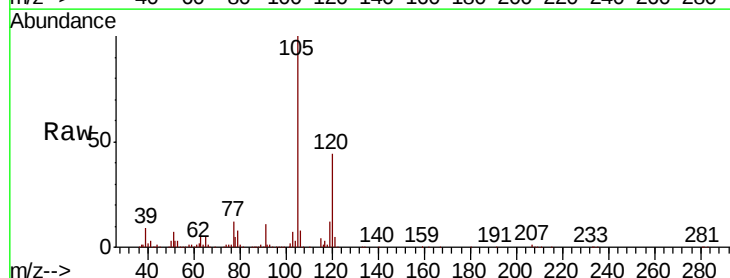
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

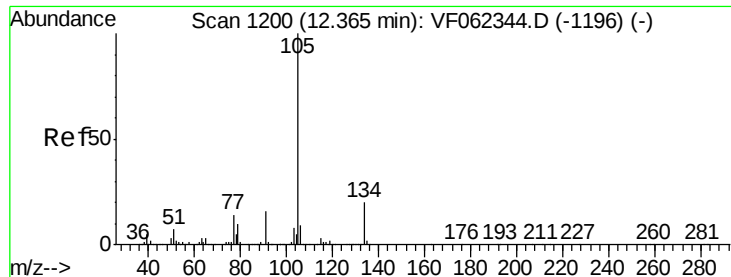
Tot Ion:119 Resp: 253688
Ion Ratio Lower Upper
119 100
91 60.9 30.4 91.3
134 22.9 11.9 35.7



#84
1,2,4-Trimethylbenzene
Concen: 15.970 ug/l
RT: 12.27 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VF062343.D
Acq: 6 May 2019 18:40

Tgt Ion:105 Resp: 234383
Ion Ratio Lower Upper
105 100
120 45.1 22.6 67.7





#85

sec-Butylbenzene

Concen: 15.930 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

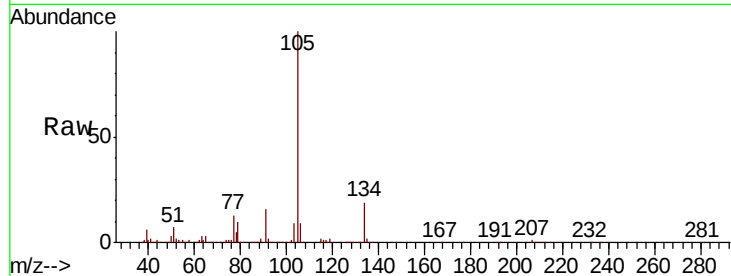
VSTDIC020

Tot Ion:105 Resp: 306383

Ion Ratio Lower Upper

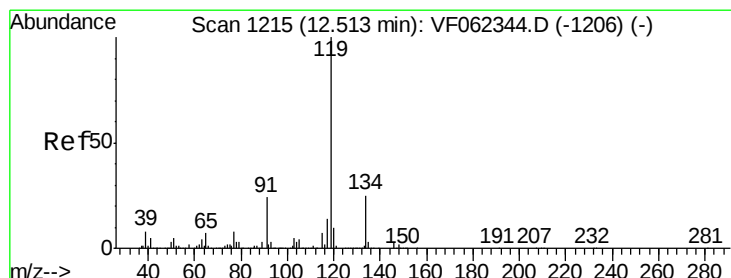
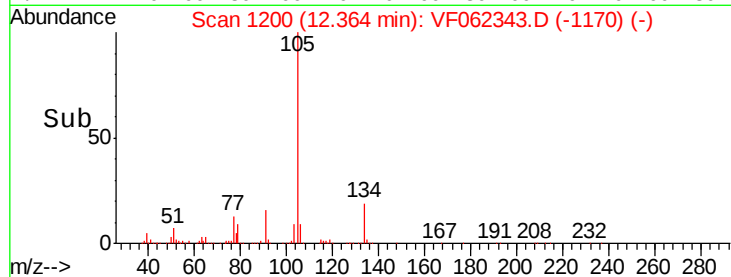
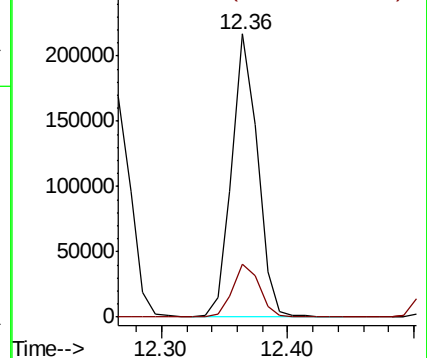
105 100

134 19.3 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.681 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

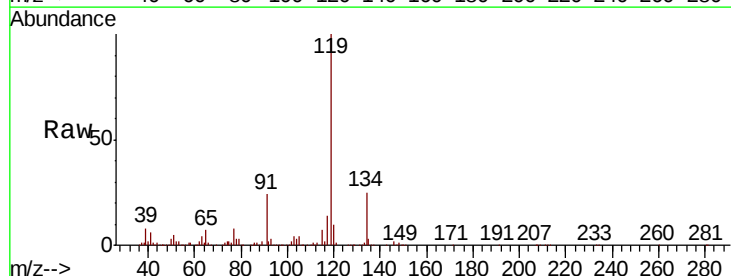
Tgt Ion:119 Resp: 289673

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

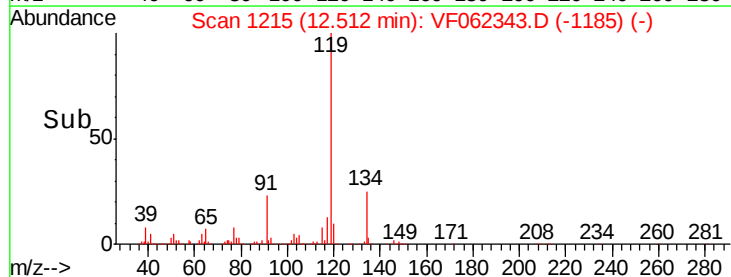
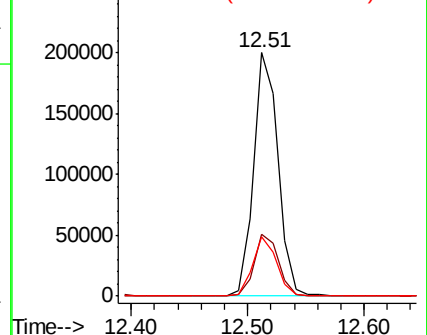
91 24.0 12.3 36.8

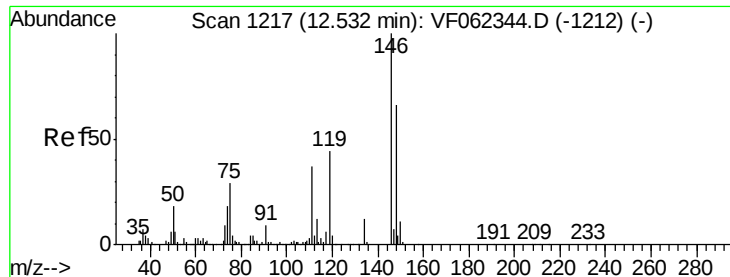


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 16.153 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

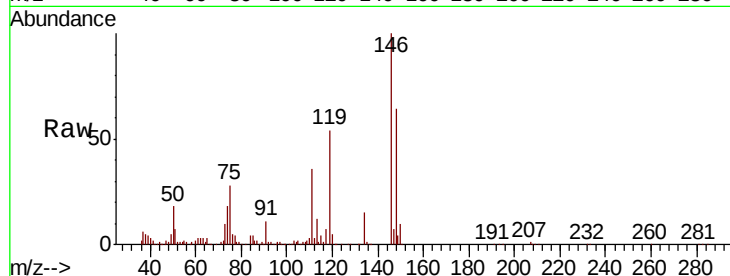
Tot Ion:146 Resp: 127796

Ion Ratio Lower Upper

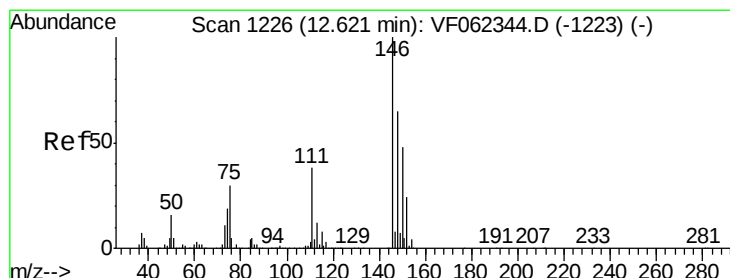
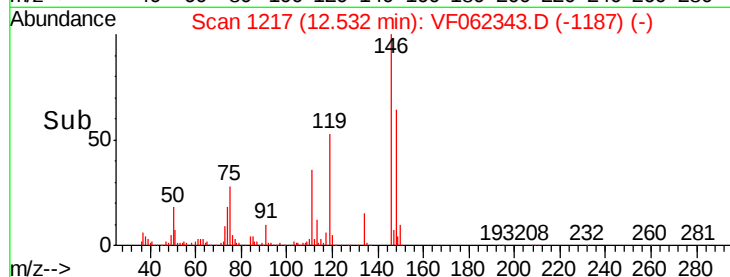
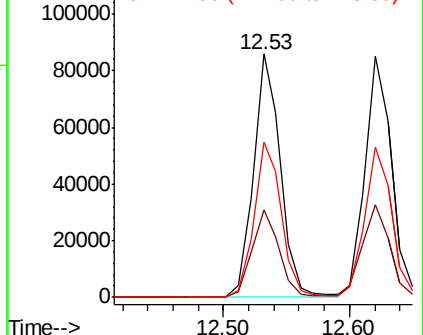
146 100

111 36.1 18.3 54.8

148 64.8 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 16.404 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

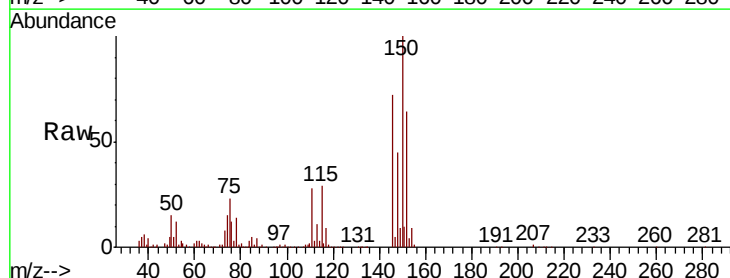
Tgt Ion:146 Resp: 125500

Ion Ratio Lower Upper

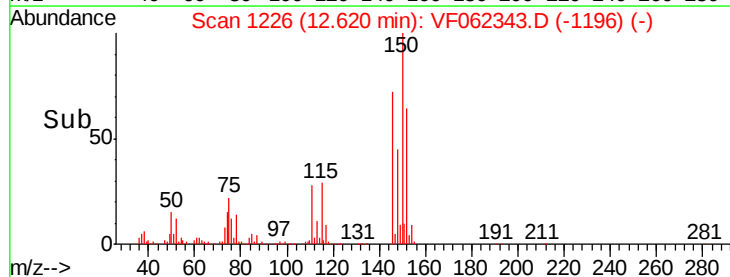
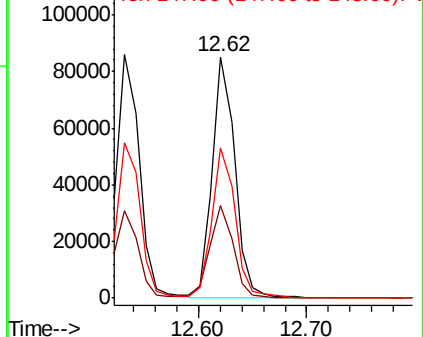
146 100

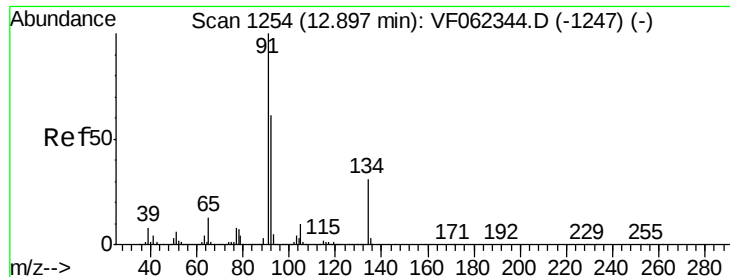
111 40.3 18.8 56.3

148 64.3 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 16.917 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

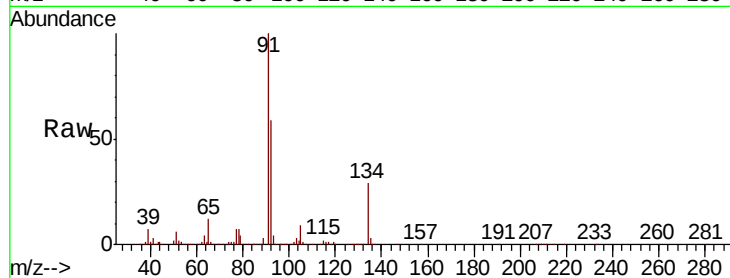
Tot Ion: 91 Resp: 263671

Ion Ratio Lower Upper

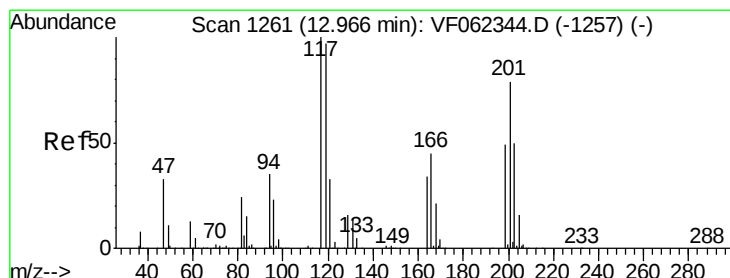
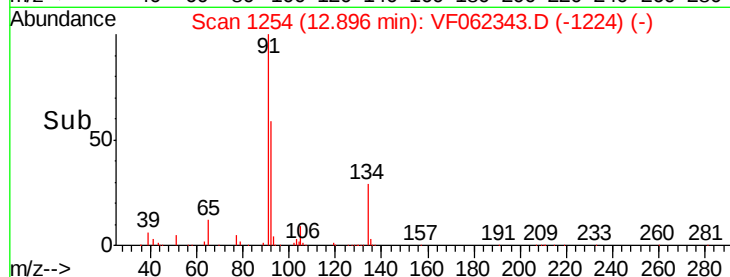
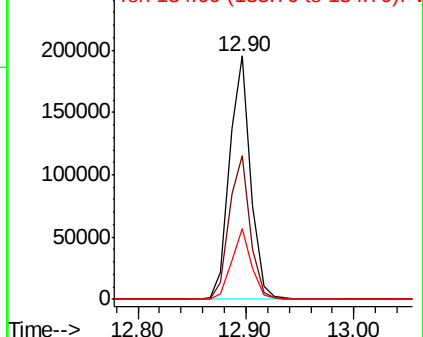
91 100

92 58.7 30.0 90.0

134 27.6 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 16.184 ug/l

RT: 12.98 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062343.D

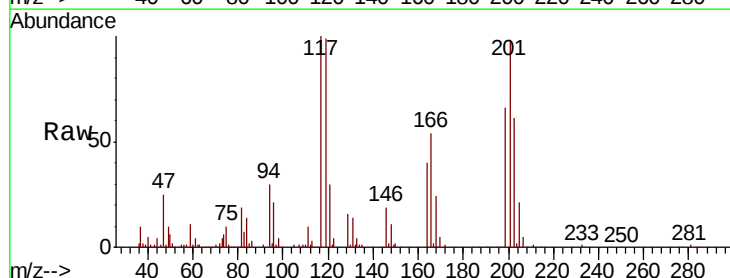
Acq: 6 May 2019 18:40

Tgt Ion: 117 Resp: 71397

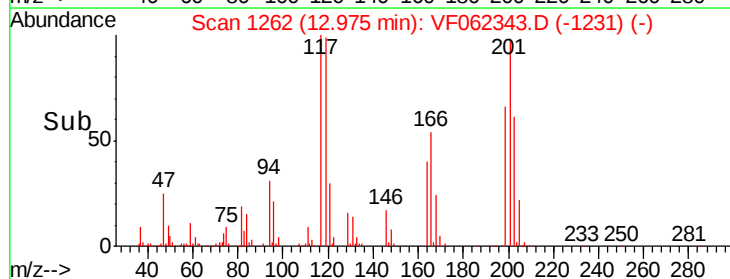
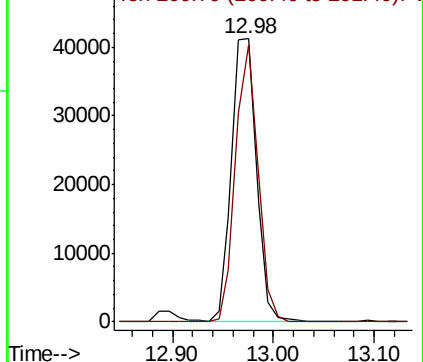
Ion Ratio Lower Upper

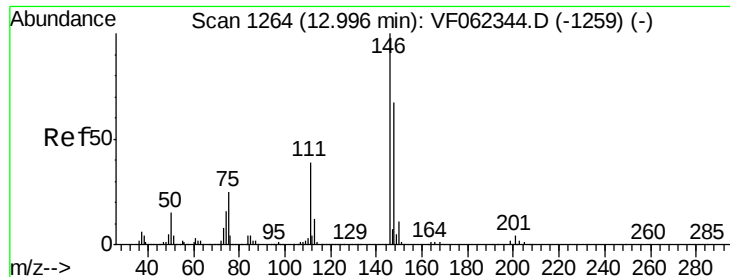
117 100

201 87.4 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 16.353 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

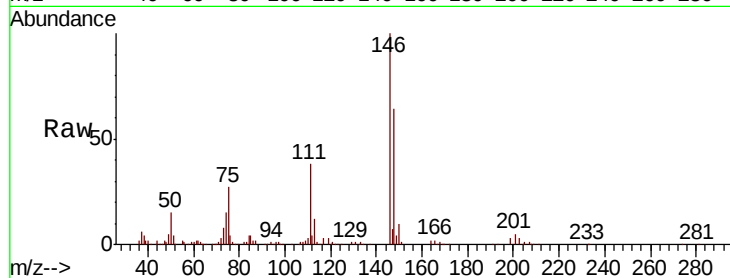
Tot Ion:146 Resp: 124932

Ion Ratio Lower Upper

146 100

111 38.7 20.0 60.0

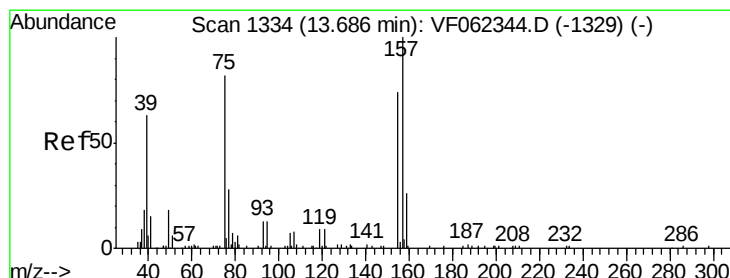
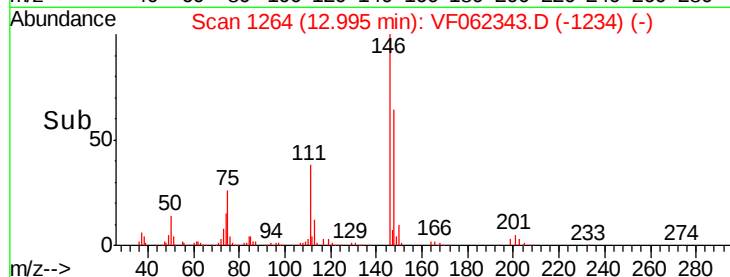
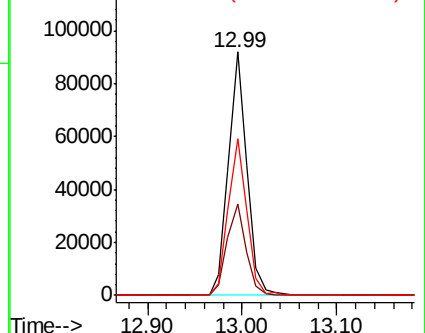
148 64.8 33.1 99.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.483 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

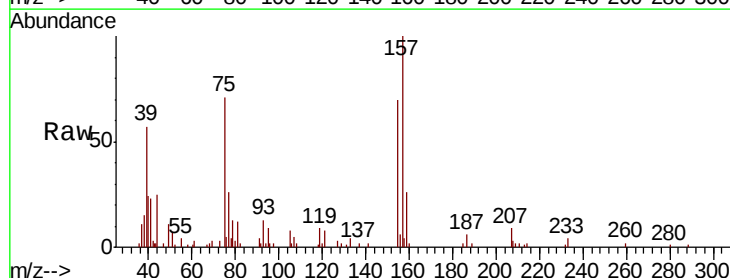
Tgt Ion: 75 Resp: 9064

Ion Ratio Lower Upper

75 100

155 93.2 51.8 155.4

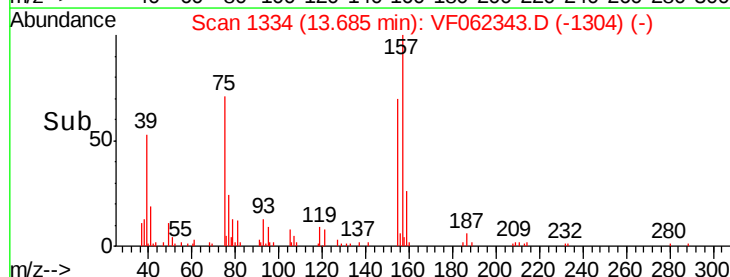
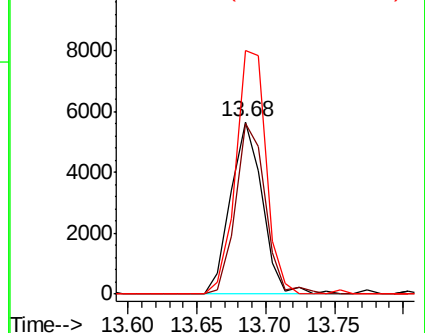
157 135.9 67.3 201.8

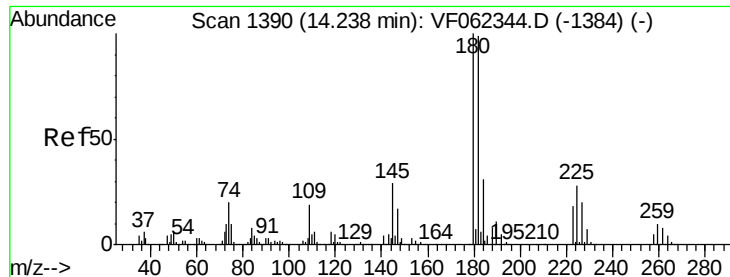


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

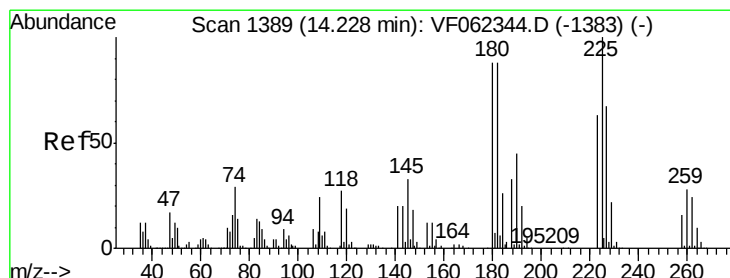
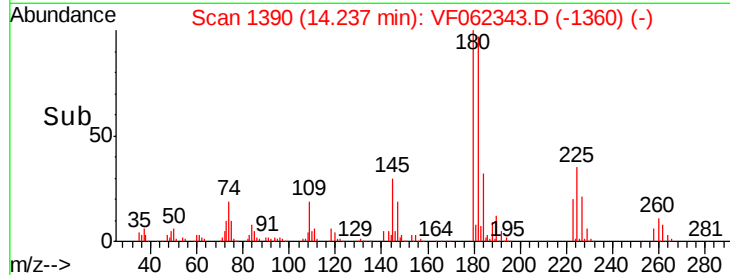
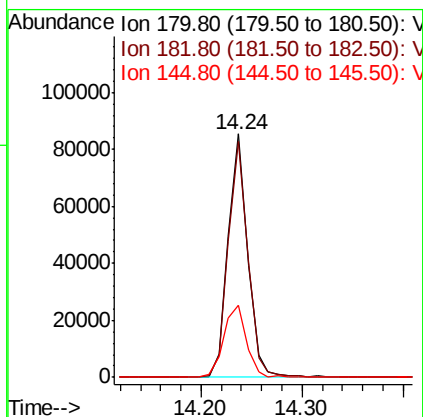
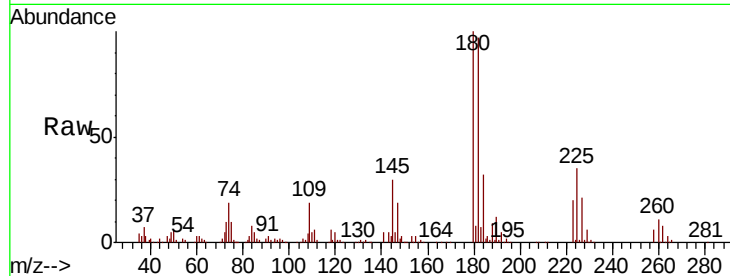




#93
 1,2,4-Trichlorobenzene
 Concen: 17.045 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062343.D
 Acq: 6 May 2019 18:40

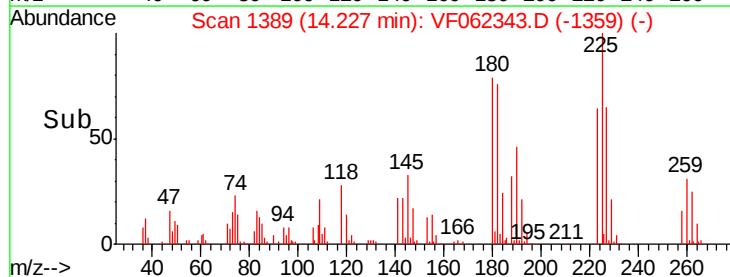
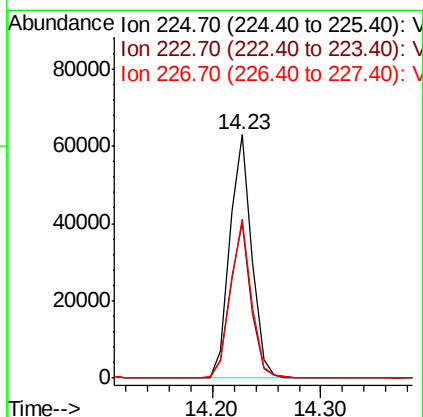
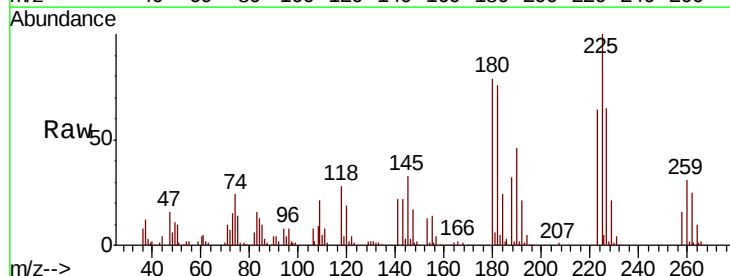
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

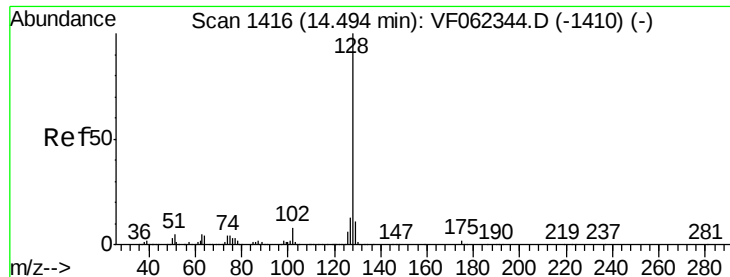
Tot Ion:180 Resp: 115732
 Ion Ratio Lower Upper
 180 100
 182 97.3 49.0 147.0
 145 34.4 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 17.845 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062343.D
 Acq: 6 May 2019 18:40

Tgt Ion:225 Resp: 88633
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.9 95.5
 227 62.8 33.1 99.5





#95

Naphthalene

Concen: 15.578 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

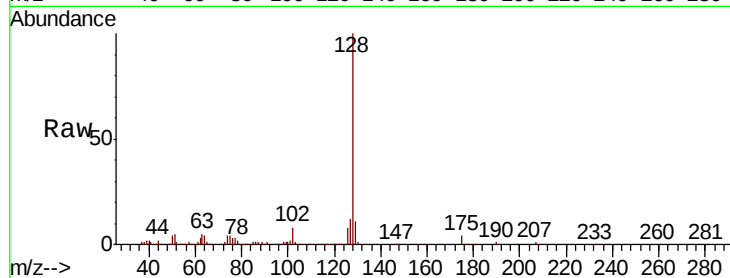
Tot Ion:128 Resp: 164813

Ion Ratio Lower Upper

128 100

127 12.1 10.5 15.7

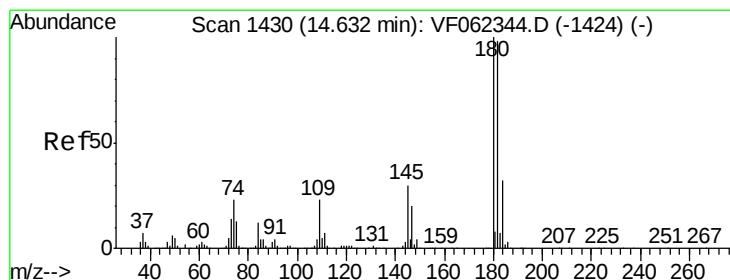
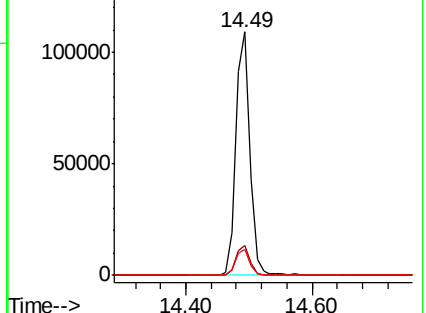
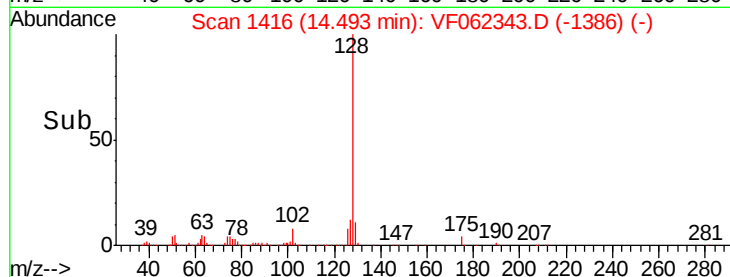
129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.809 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.00 min

Lab File: VF062343.D

Acq: 6 May 2019 18:40

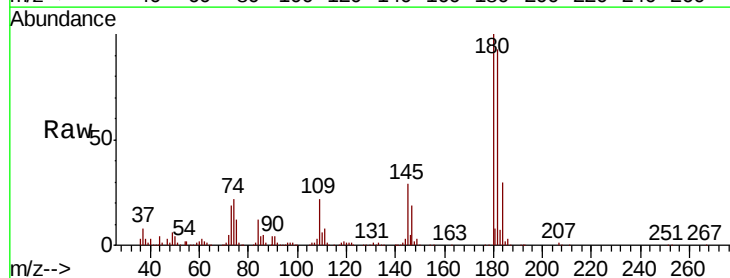
Tgt Ion:180 Resp: 109634

Ion Ratio Lower Upper

180 100

182 96.0 49.4 148.0

145 28.9 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

