

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050619\
 Data File : VF062341.D
 Acq On : 6 May 2019 17:16
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: May 07 04:17:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:06:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	352040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	478518	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	397794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	247609	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	16771	5.00	ug/l	0.00
Spiked Amount			Recovery	=	10.00%	
35) Dibromofluoromethane	4.29	113	18561	4.77	ug/l	0.00
Spiked Amount			Recovery	=	9.54%	
50) Toluene-d8	7.70	98	47036	5.05	ug/l	0.00
Spiked Amount			Recovery	=	10.10%	
62) 4-Bromofluorobenzene	11.49	95	24006	5.89	ug/l	0.00
Spiked Amount			Recovery	=	11.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	21744	5.137	ug/l	89
3) Chloromethane	1.15	50	15298	5.495	ug/l	96
4) Vinyl Chloride	1.18	62	14269	5.089	ug/l	97
5) Bromomethane	1.40	94	15485	7.123	ug/l	90
6) Chloroethane	1.44	64	6647	4.661	ug/l	89
7) Trichlorofluoromethane	1.56	101	25705	4.533	ug/l	95
8) Diethyl Ether	1.71	74	4982	5.883	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.91	101	16170	4.846	ug/l	95
10) Methyl Iodide	1.97	142	25604	4.686	ug/l #	98
11) Tert butyl alcohol	2.69	59	5875	30.212	ug/l #	92
12) 1,1-Dichloroethene	1.86	96	15444	5.753	ug/l #	78
13) Acrolein	2.10	56	5074	39.658	ug/l #	73
14) Allyl chloride	2.19	41	12169	4.994	ug/l	88
15) Acrylonitrile	3.09	53	8578	22.428	ug/l #	83
16) Acetone	2.34	43	16506	22.865	ug/l	97
17) Carbon Disulfide	1.91	76	28929	4.622	ug/l #	91
18) Methyl Acetate	2.46	43	10970	7.460	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	27945	4.971	ug/l	96
20) Methylene Chloride	2.33	84	13516	5.410	ug/l	89
21) trans-1,2-Dichloroethene	2.42	96	13744	5.165	ug/l	85
22) Diisopropyl ether	2.93	45	36630	4.862	ug/l #	94
23) Vinyl Acetate	3.34	43	70561	20.647	ug/l	98
24) 1,1-Dichloroethane	3.01	63	20175	4.334	ug/l #	94
25) 2-Butanone	4.52	43	22103	25.660	ug/l	99
26) 2,2-Dichloropropane	3.78	77	12718	4.867	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	14915	4.459	ug/l	96
28) Bromochloromethane	3.90	49	10148	4.871	ug/l	96
29) Tetrahydrofuran	4.26	42	10365	25.986	ug/l	94
30) Chloroform	4.05	83	25716	4.017	ug/l	100
31) Cyclohexane	3.88	56	17821	4.764	ug/l #	93
32) 1,1,1-Trichloroethane	4.28	97	22078	4.628	ug/l	91
36) 1,1-Dichloropropene	4.47	75	19420	4.470	ug/l	97
37) Ethyl Acetate	4.30	43	11095	5.718	ug/l #	96
38) Carbon Tetrachloride	4.19	117	23518	4.908	ug/l #	83

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 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: May 07 04:17:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:06:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	19370	4.546	ug/l #	78
40) Benzene	4.82	78	45383	4.813	ug/l	97
41) Methacrylonitrile	4.94	41	4830	4.459	ug/l #	85
42) 1,2-Dichloroethane	5.12	62	17431	4.419	ug/l #	82
43) Isopropyl Acetate	7.11	43	9604	4.972	ug/l #	95
44) Trichloroethene	5.68	130	16027	4.582	ug/l	98
45) 1,2-Dichloropropane	6.40	63	9863	4.632	ug/l	96
46) Dibromomethane	6.26	93	8030	4.497	ug/l	95
47) Bromodichloromethane	6.55	83	18029	4.012	ug/l	98
48) Methyl methacrylate	6.88	41	6554	4.711	ug/l #	87
49) 1,4-Dioxane	6.89	88	1002m	67.487	ug/l	
51) 4-Methyl-2-Pentanone	8.40	43	34903	23.796	ug/l	100
52) Toluene	7.77	92	28410	4.943	ug/l	91
53) t-1,3-Dichloropropene	8.41	75	15829	4.763	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	17126	4.387	ug/l	94
55) 1,1,2-Trichloroethane	8.63	97	8250	4.517	ug/l #	83
56) Ethyl methacrylate	8.75	69	9567	4.839	ug/l #	85
57) 1,3-Dichloropropane	8.99	76	13280	4.806	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	14526	26.249	ug/l	100
59) 2-Hexanone	9.62	43	25980	25.808	ug/l	97
60) Dibromochloromethane	8.85	129	11237	3.681	ug/l	96
61) 1,2-Dibromoethane	9.12	107	10811	5.080	ug/l	93
64) Tetrachloroethene	8.30	164	15456	4.536	ug/l	93
65) Chlorobenzene	9.92	112	30914	4.506	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.06	131	15546	4.496	ug/l	94
67) Ethyl Benzene	10.03	91	57090	4.764	ug/l	99
68) m/p-Xylenes	10.26	106	40765	9.248	ug/l	93
69) o-Xylene	10.81	106	20861	4.283	ug/l	99
70) Styrene	10.89	104	35382	4.964	ug/l	95
71) Bromoform	10.87	173	8428	4.441	ug/l #	97
73) Isopropylbenzene	11.21	105	71688	4.732	ug/l	96
74) N-amyl acetate	11.44	43	15409	4.650	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	10393	4.330	ug/l	96
76) 1,2,3-Trichloropropane	11.86	75	9229	5.167	ug/l #	100
77) Bromobenzene	11.58	156	18324	4.638	ug/l	100
78) n-propylbenzene	11.67	91	77444	4.810	ug/l	99
79) 2-Chlorotoluene	11.80	91	47198	4.699	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	63858	4.807	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	3240m	5.031	ug/l	
82) 4-Chlorotoluene	11.96	91	49828	5.042	ug/l	97
83) tert-Butylbenzene	12.19	119	63134	4.539	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	61724	4.763	ug/l	97
85) sec-Butylbenzene	12.37	105	78850	4.611	ug/l	100
86) p-Isopropyltoluene	12.52	119	74322	4.693	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	36942	5.106	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	32615	4.624	ug/l	90
89) n-Butylbenzene	12.89	91	68008	4.799	ug/l	95
90) Hexachloroethane	12.97	117	16831	4.275	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	34519	4.902	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	2400	4.542	ug/l	63

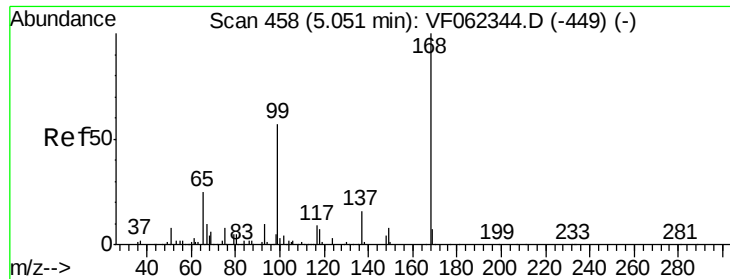
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF050619\
Data File : VF062341.D
Acq On : 6 May 2019 17:16
Operator : FY/SY
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Quant Time: May 07 04:17:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:06:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	29932	4.667	ug/l	96
94) Hexachlorobutadiene	14.22	225	20439	4.250	ug/l	99
95) Naphthalene	14.49	128	39013	4.064	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	26602	4.328	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

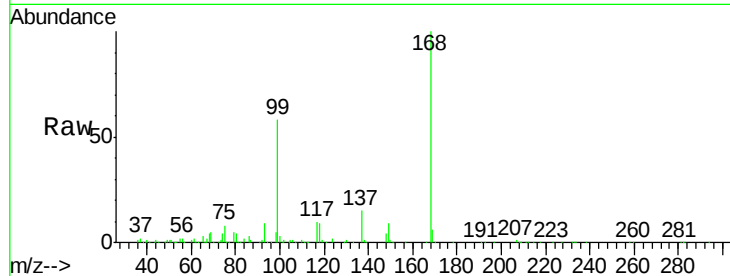
VSTDIC005

Tot Ion:168 Resp: 352040

Ion Ratio Lower Upper

168 100

99 58.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

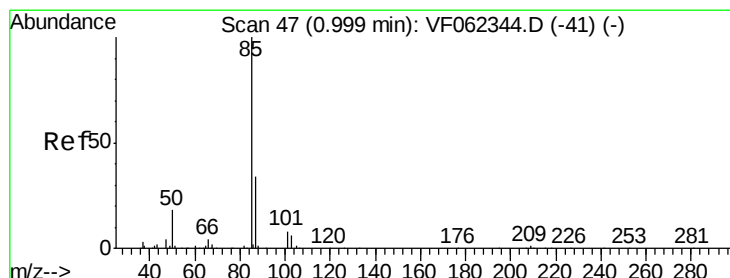
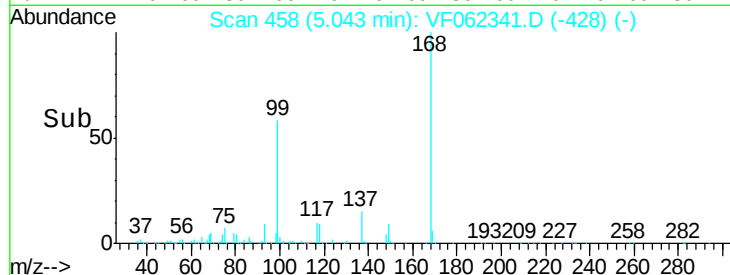
5.04

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.137 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062341.D

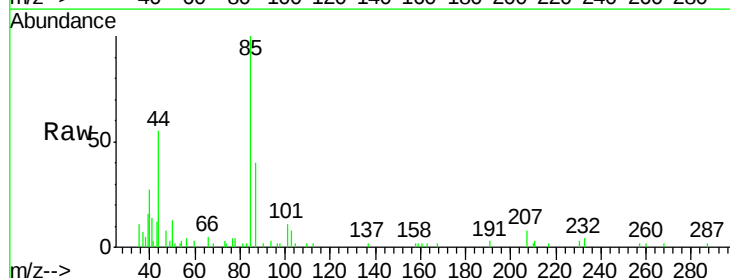
Acq: 6 May 2019 17:16

Tgt Ion: 85 Resp: 21744

Ion Ratio Lower Upper

85 100

87 39.6 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

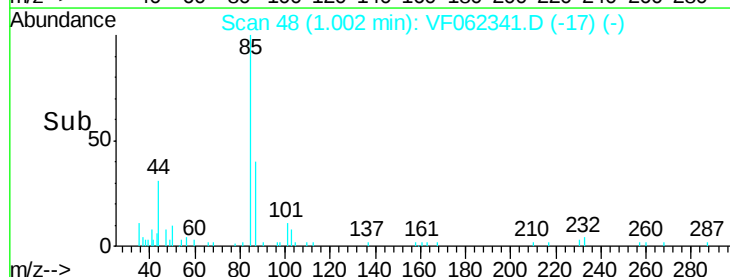
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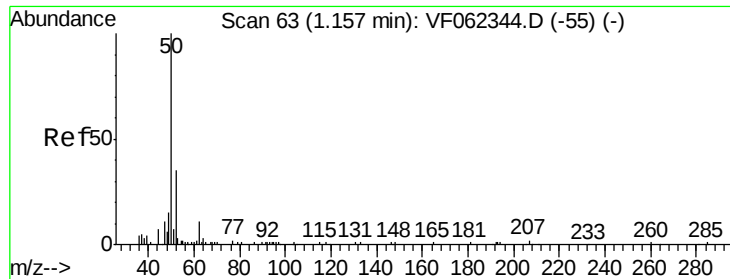
4000

2000

0

Time-->





#3

Chloromethane

Concen: 5.495 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

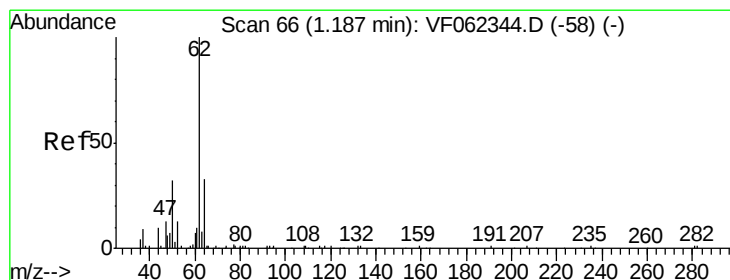
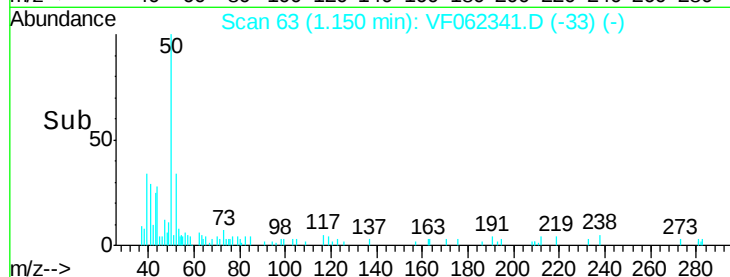
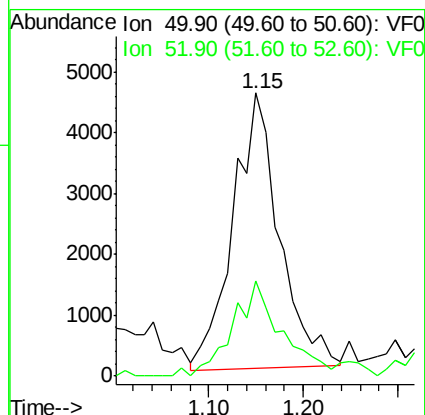
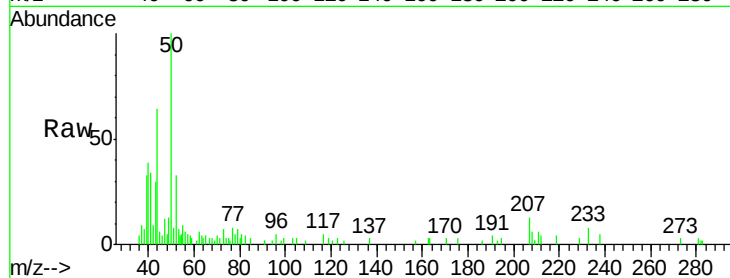
VSTDIC005

Tot Ion: 50 Resp: 15298

Ion Ratio Lower Upper

50 100

52 35.1 26.1 39.1



#4

Vinyl Chloride

Concen: 5.089 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062341.D

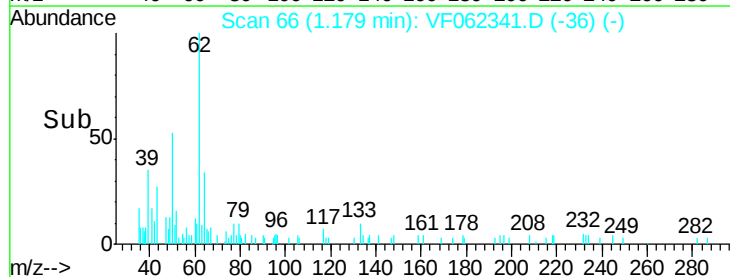
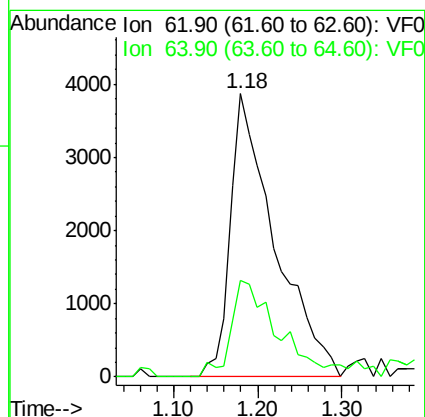
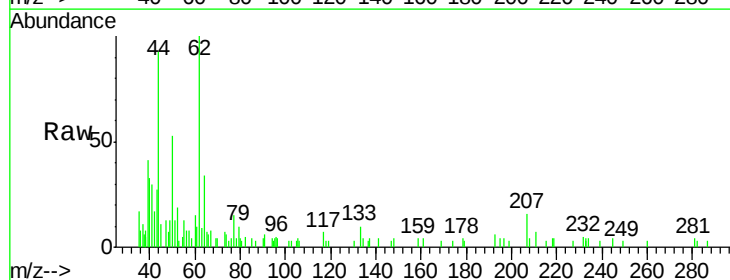
Acq: 6 May 2019 17:16

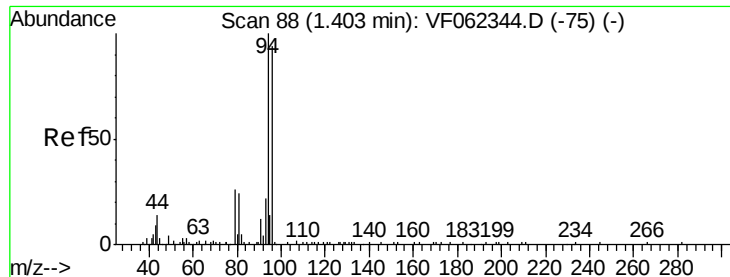
Tgt Ion: 62 Resp: 14269

Ion Ratio Lower Upper

62 100

64 34.1 26.1 39.1





#5

Bromomethane

Concen: 7.123 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

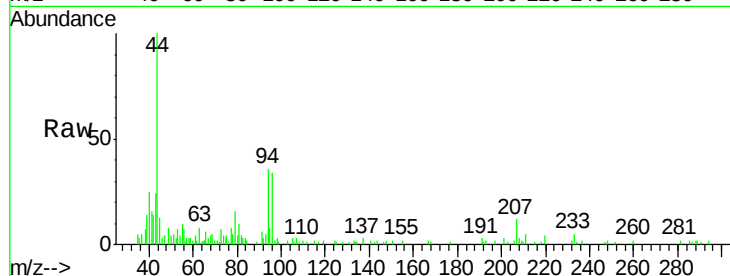
VSTDIC005

Tot Ion: 94 Resp: 15485

Ion Ratio Lower Upper

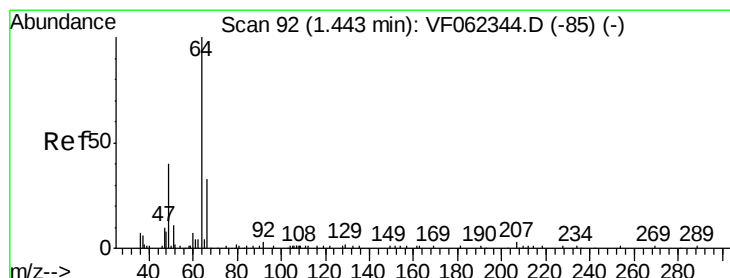
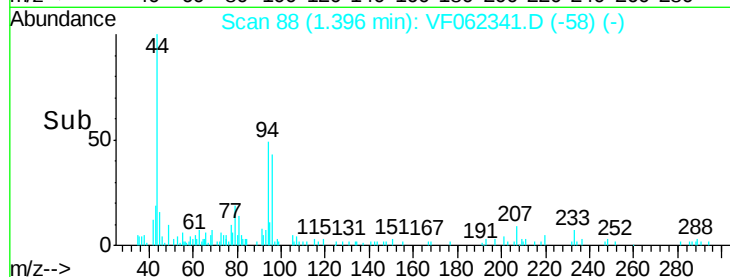
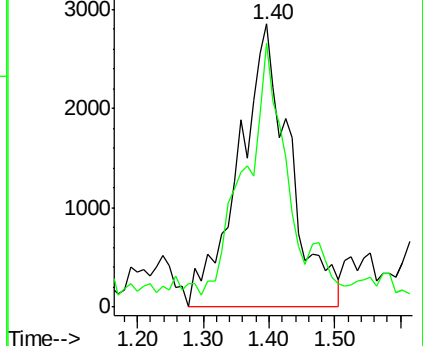
94 100

96 85.0 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 4.661 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062341.D

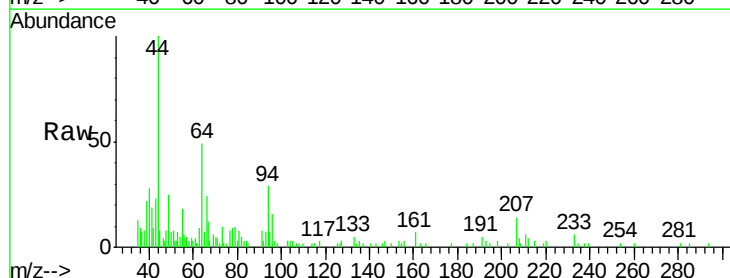
Acq: 6 May 2019 17:16

Tgt Ion: 64 Resp: 6647

Ion Ratio Lower Upper

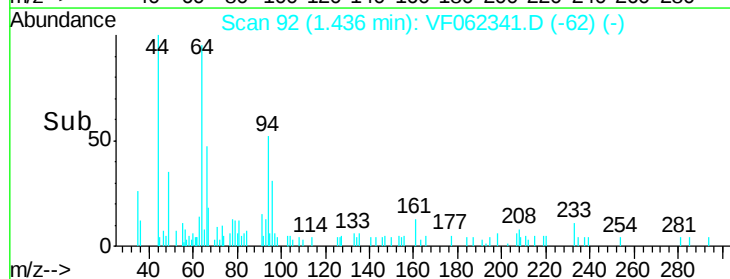
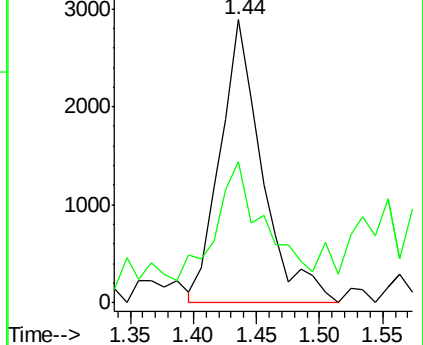
64 100

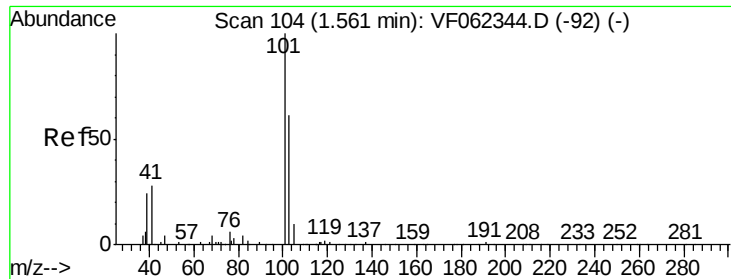
66 39.7 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



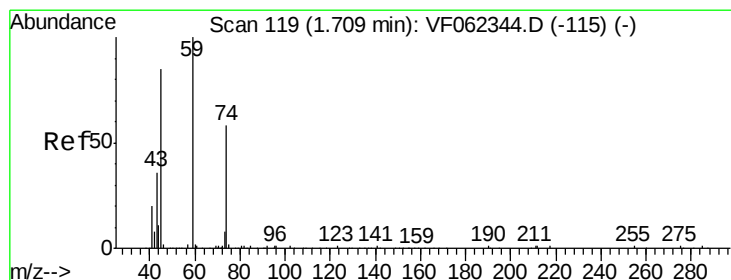
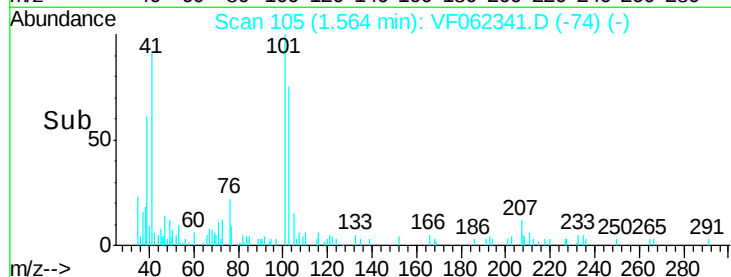
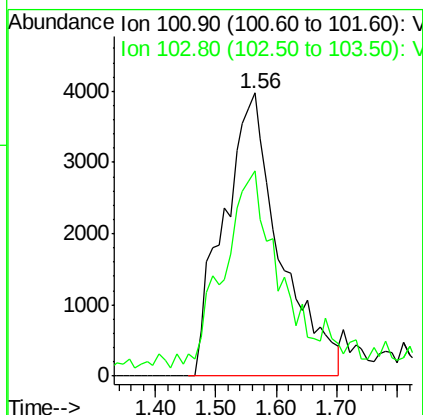
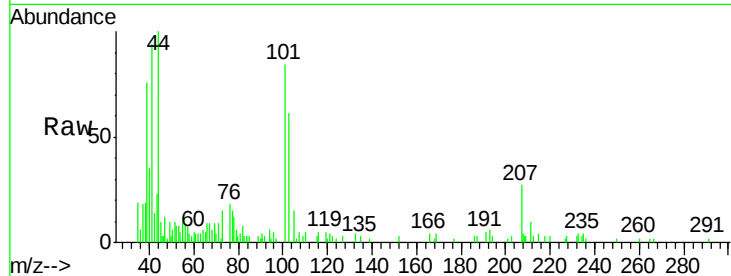


#7

Trichlorofluoromethane
Concen: 4.533 ug/l
RT: 1.56 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

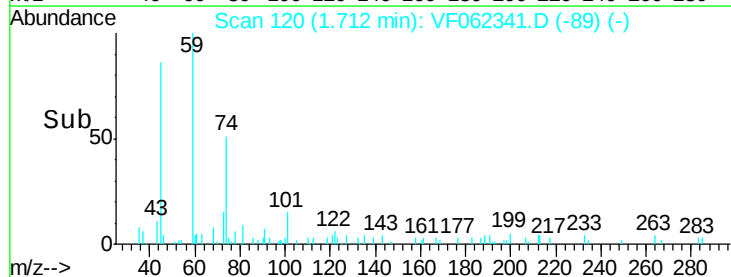
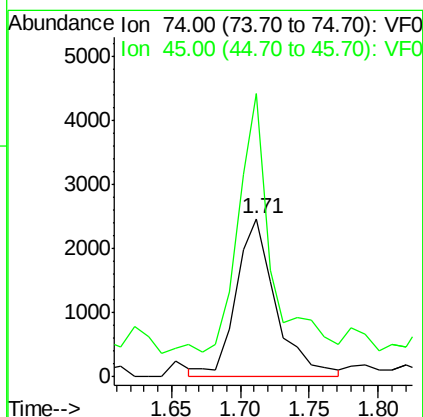
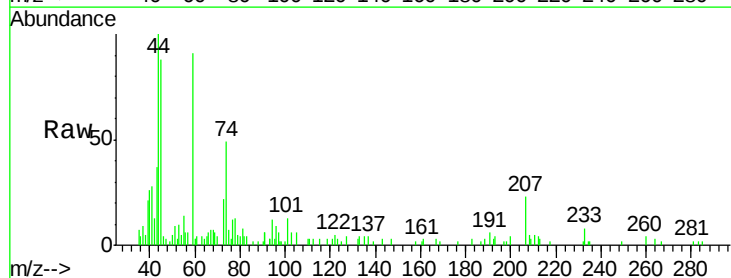
Tot Ion:101 Resp: 25705
Ion Ratio Lower Upper
101 100
103 64.6 48.5 72.7

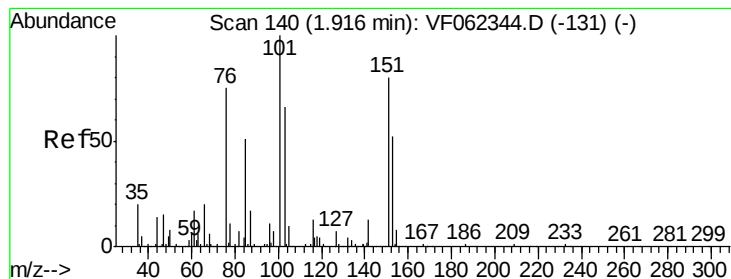


#8

Diethyl Ether
Concen: 5.883 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

Tgt Ion: 74 Resp: 4982
Ion Ratio Lower Upper
74 100
45 130.5 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.846 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

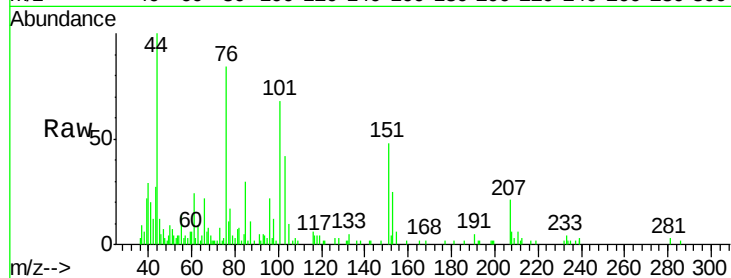
Tot Ion:101 Resp: 16170

Ion Ratio Lower Upper

101 100

85 49.9 39.5 59.3

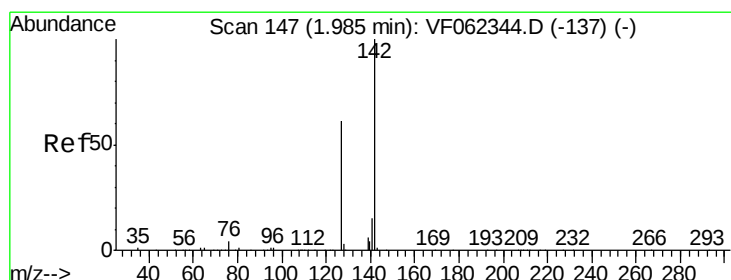
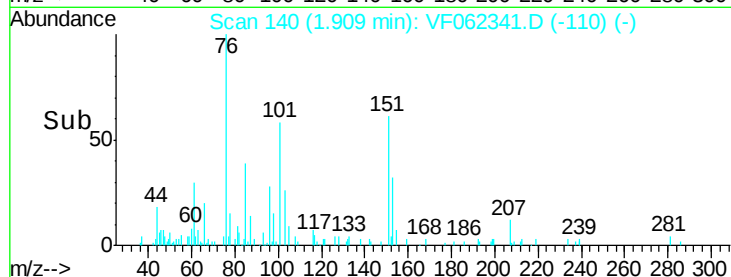
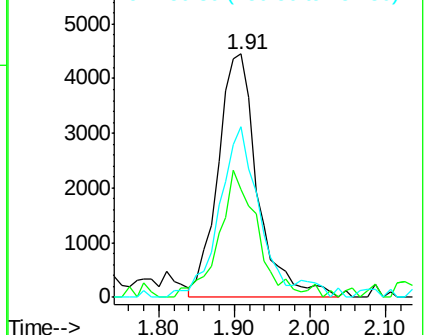
151 68.9 59.9 89.9



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: 4.686 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.02 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

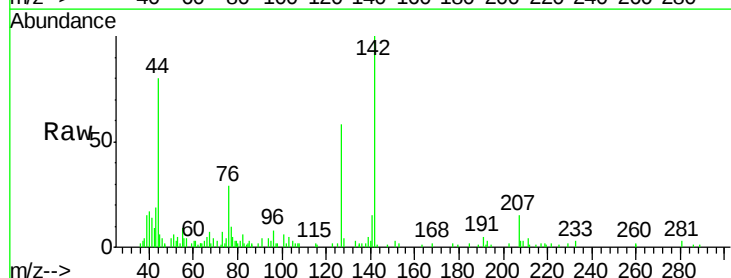
Tgt Ion:142 Resp: 25604

Ion Ratio Lower Upper

142 100

127 60.5 48.4 72.6

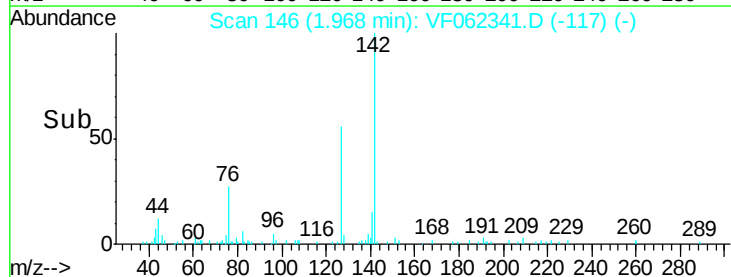
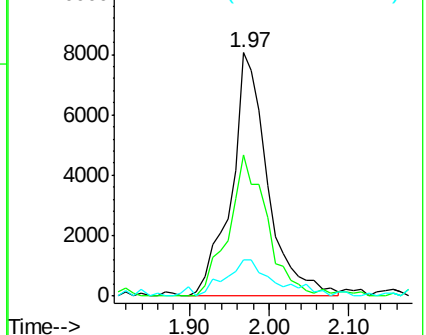
141 19.8 12.2 18.4#

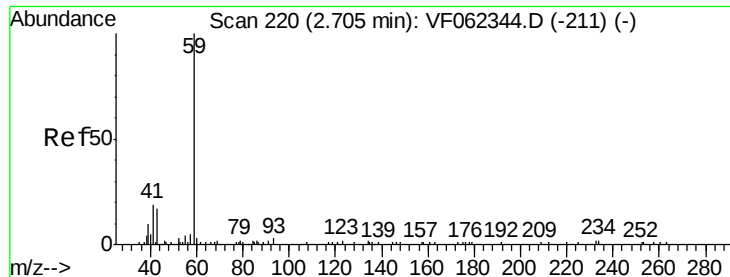


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



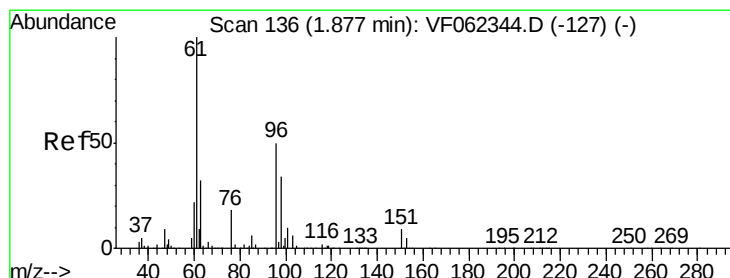
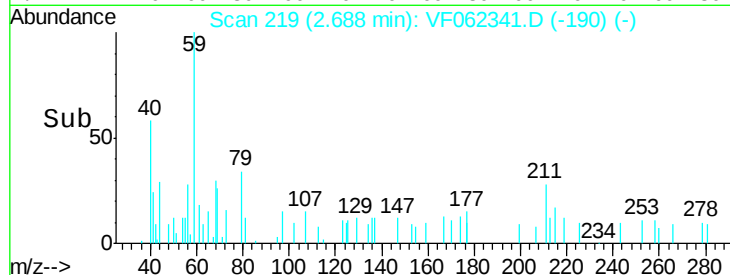
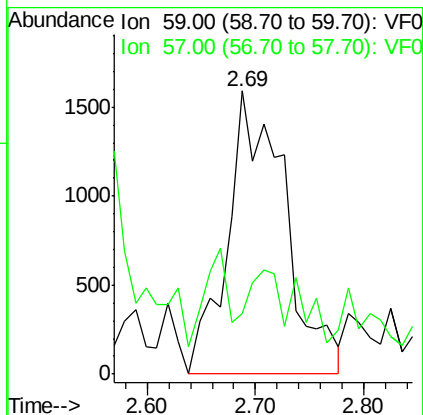
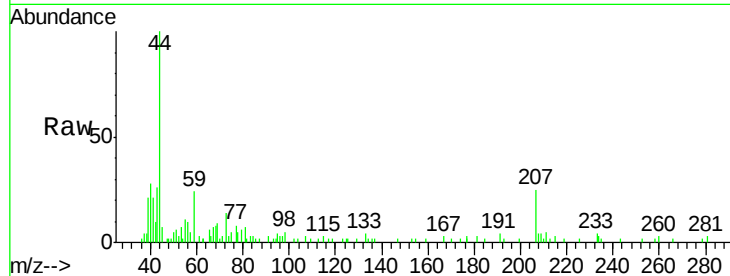


#11

Tert butyl alcohol
 Concen: 30.212 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

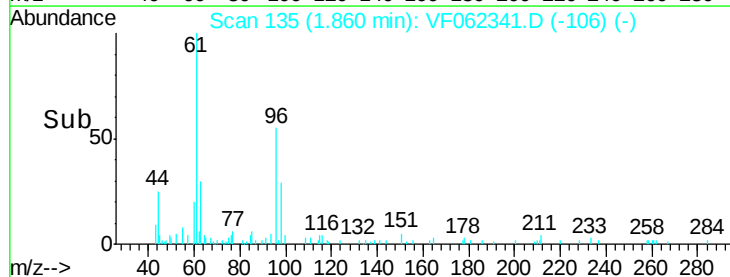
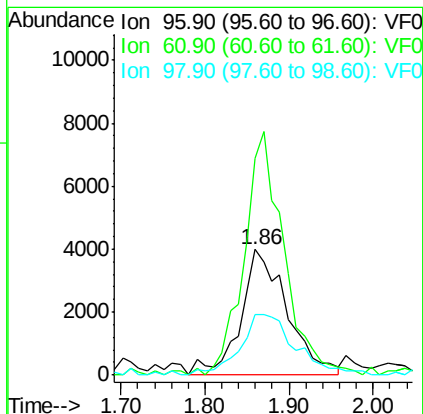
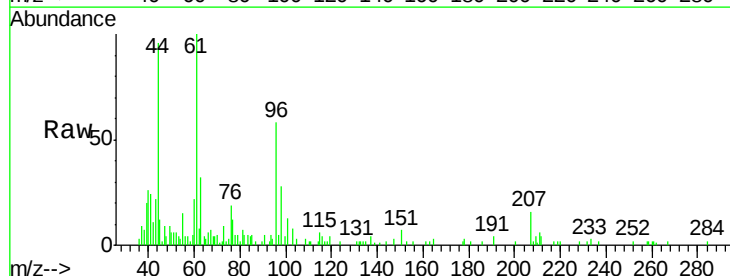
Tot Ion: 59 Resp: 5875
 Ion Ratio Lower Upper
 59 100
 57 8.6 9.3 13.9#

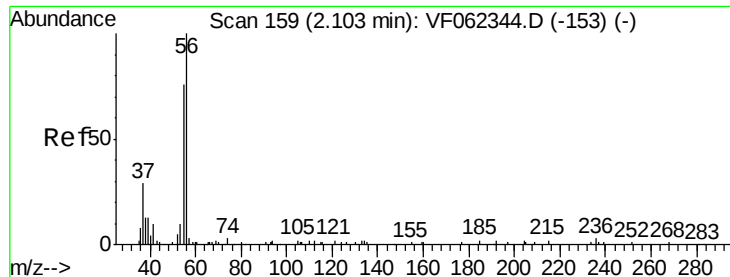


#12

1,1-Dichloroethene
 Concen: 5.753 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.02 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

Tgt Ion: 96 Resp: 15444
 Ion Ratio Lower Upper
 96 100
 61 173.1 163.2 244.8
 98 48.0 55.2 82.8#





#13

Acrolein

Concen: 39.658 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

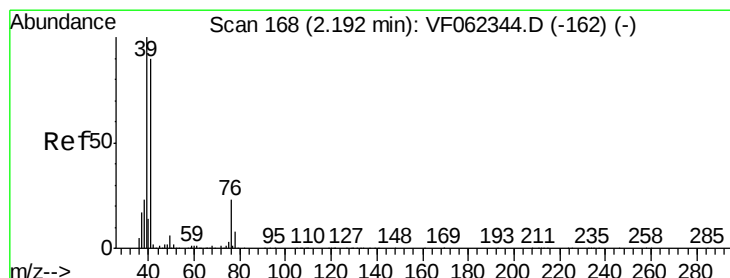
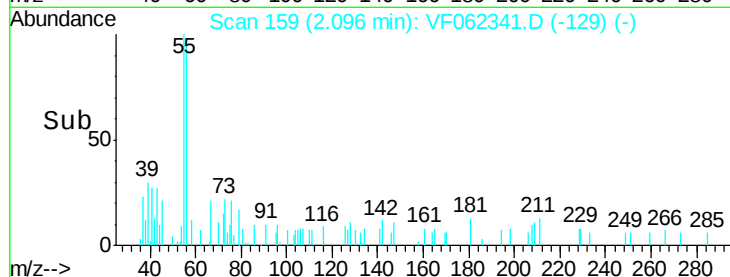
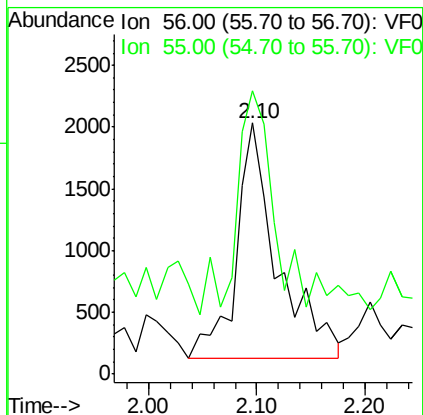
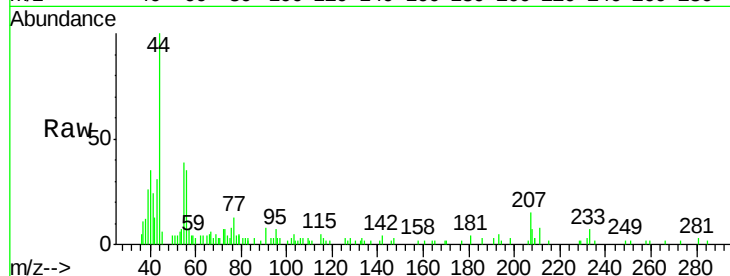
VSTDIC005

Tot Ion: 56 Resp: 5074

Ion Ratio Lower Upper

56 100

55 95.9 58.4 87.6#



#14

Allyl chloride

Concen: 4.994 ug/l

RT: 2.19 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

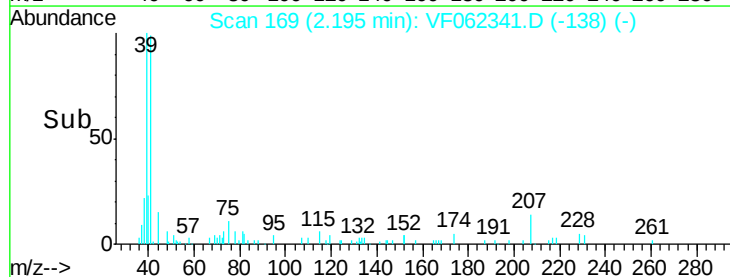
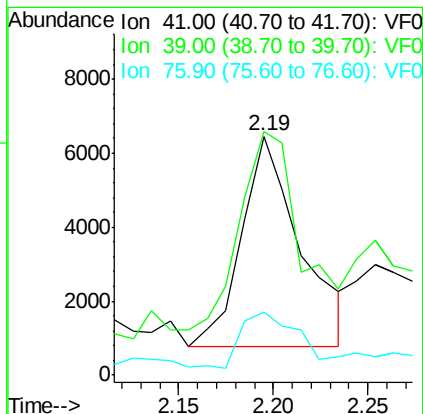
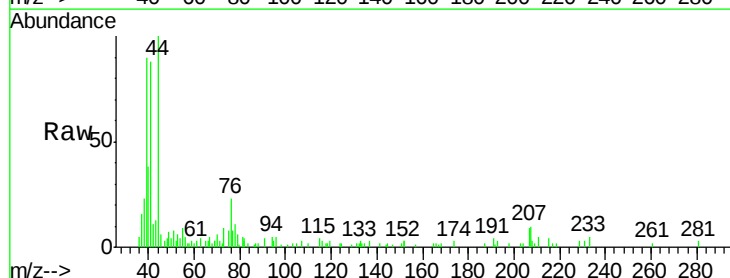
Tgt Ion: 41 Resp: 12169

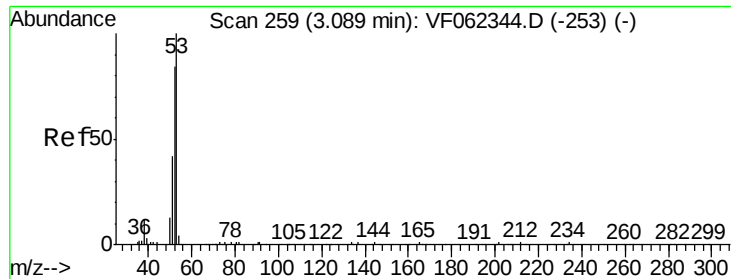
Ion Ratio Lower Upper

41 100

39 97.3 90.8 136.2

76 27.4 22.2 33.4





#15

Acrylonitrile

Concen: 22.428 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

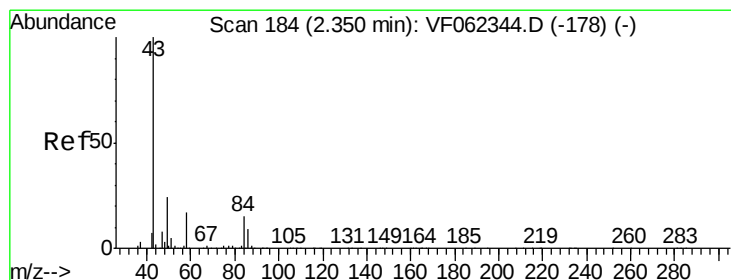
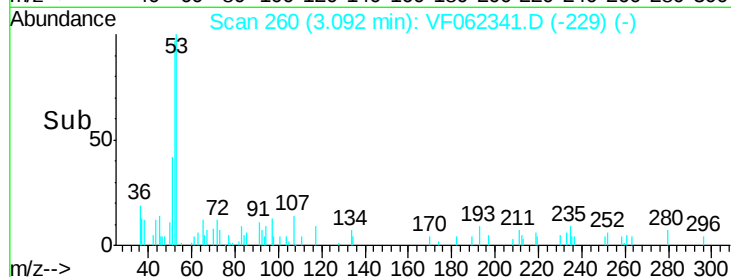
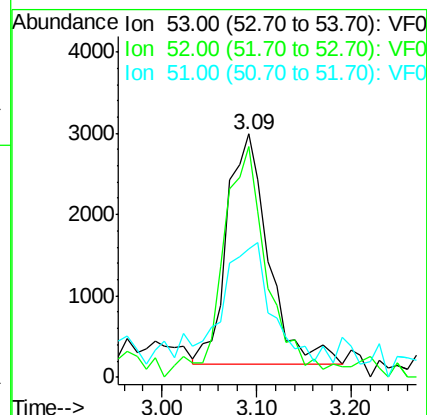
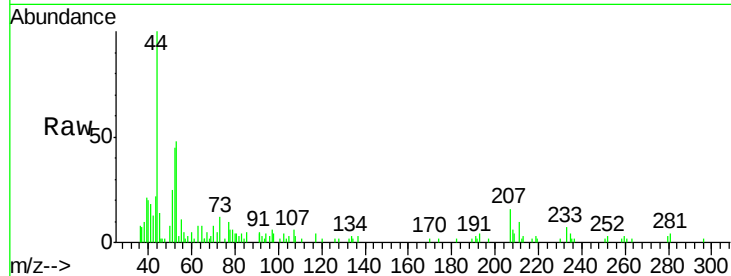
Tot Ion: 53 Resp: 8578

Ion Ratio Lower Upper

53 100

52 109.7 77.2 115.8

51 66.8 40.6 61.0#



#16

Acetone

Concen: 22.865 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062341.D

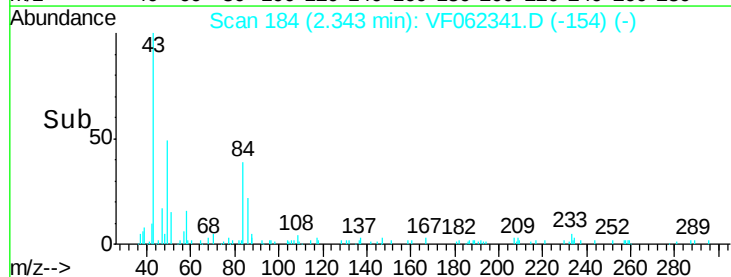
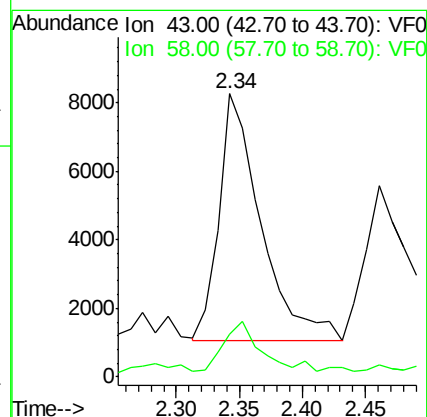
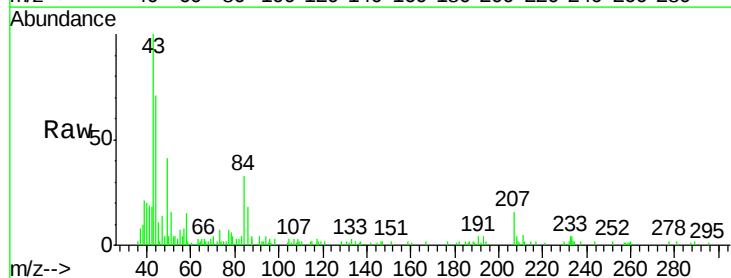
Acq: 6 May 2019 17:16

Tgt Ion: 43 Resp: 16506

Ion Ratio Lower Upper

43 100

58 15.1 13.1 19.7

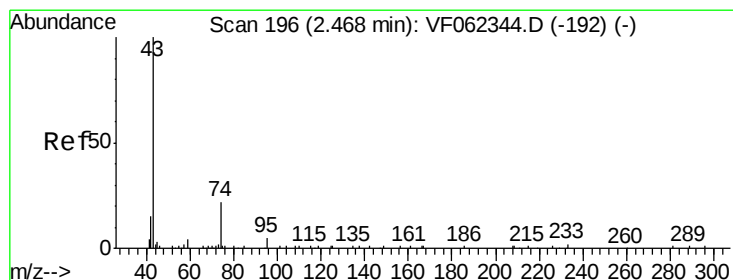
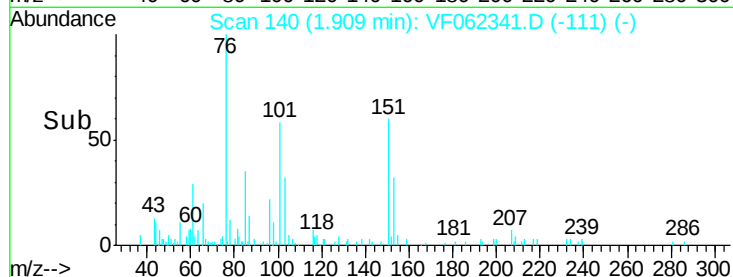
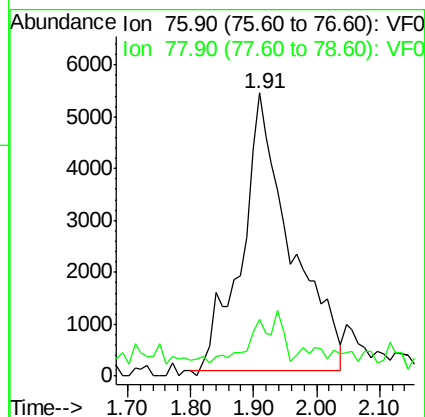
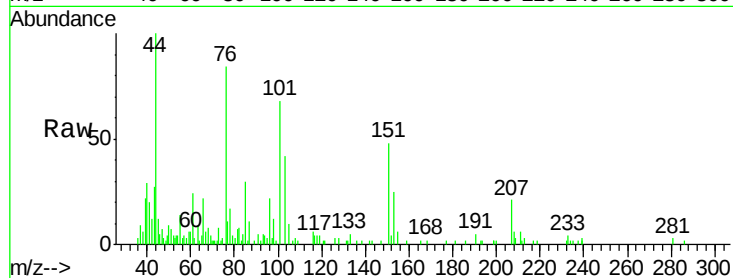




#17
Carbon Disulfide
Concen: 4.622 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.02 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

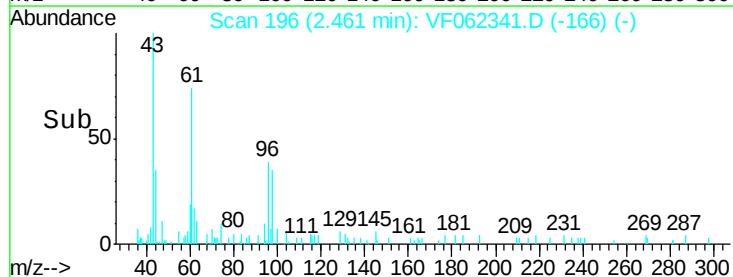
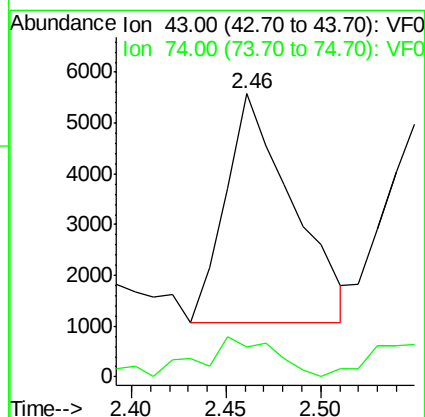
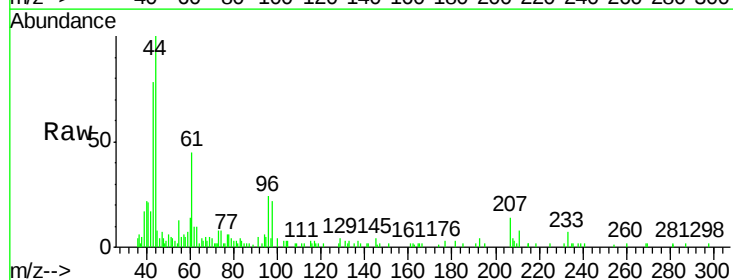
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

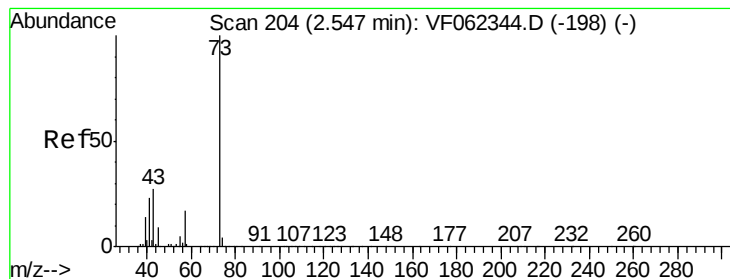
Tot Ion: 76 Resp: 28929
Ion Ratio Lower Upper
76 100
78 14.6 9.0 13.4#



#18
Methyl Acetate
Concen: 7.460 ug/l
RT: 2.46 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

Tgt Ion: 43 Resp: 10970
Ion Ratio Lower Upper
43 100
74 18.6 15.0 22.4



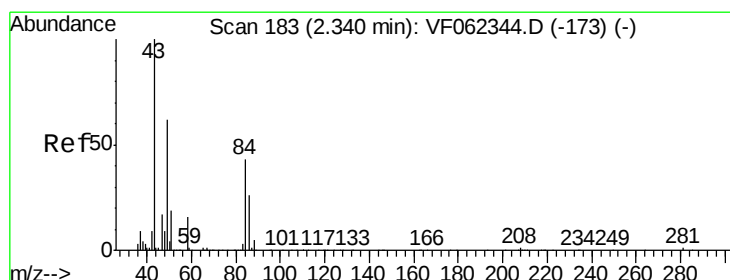
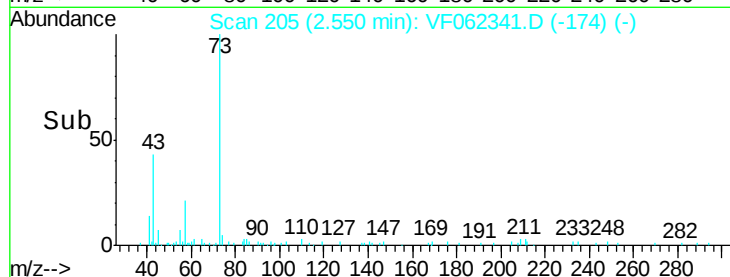
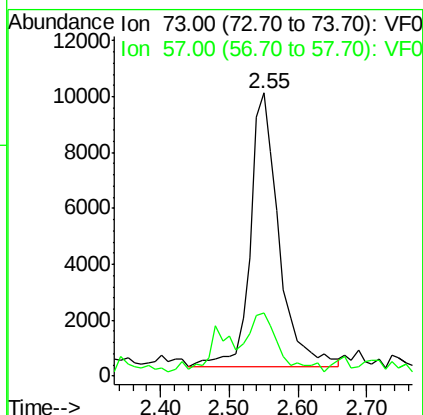
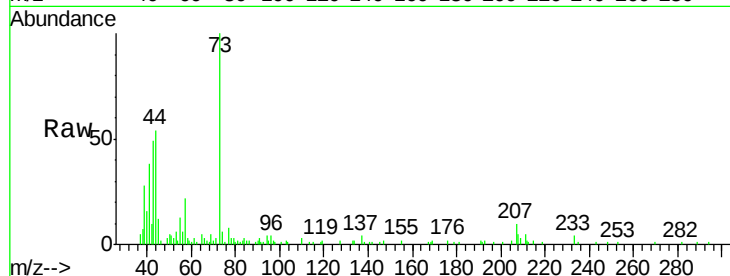


#19

Methyl tert-butyl Ether
 Concen: 4.971 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

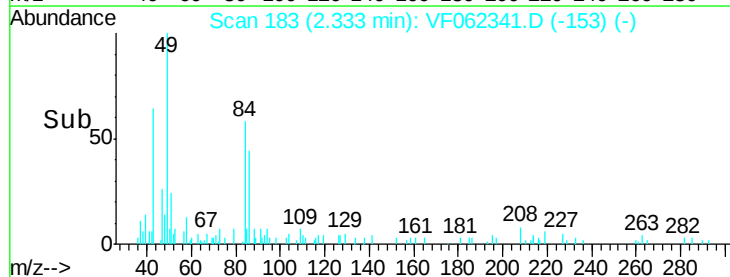
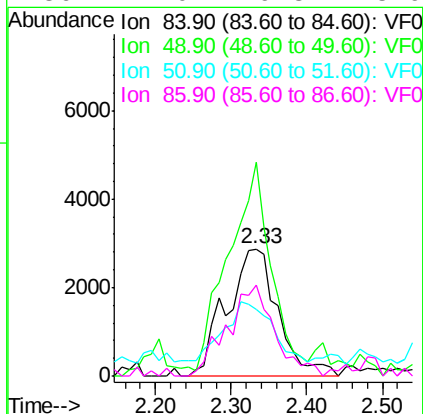
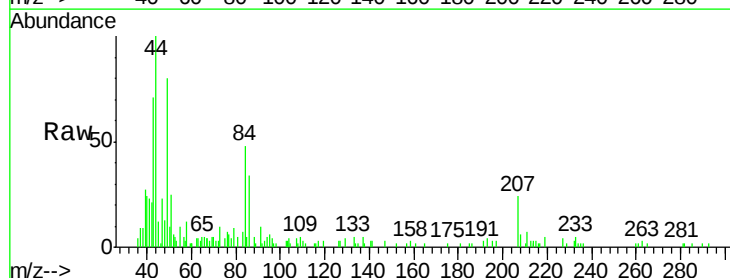
Tot Ion: 73 Resp: 27945
 Ion Ratio Lower Upper
 73 100
 57 18.9 13.7 20.5

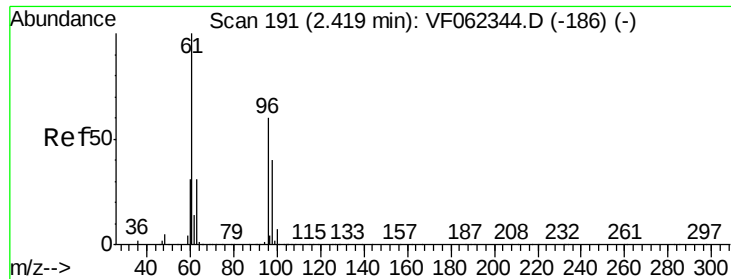


#20

Methylene Chloride
 Concen: 5.410 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

Tgt Ion: 84 Resp: 13516
 Ion Ratio Lower Upper
 84 100
 49 161.6 117.5 176.3
 51 41.2 37.0 55.4
 86 72.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 5.165 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

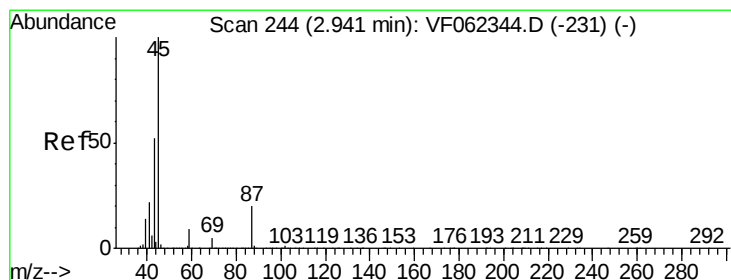
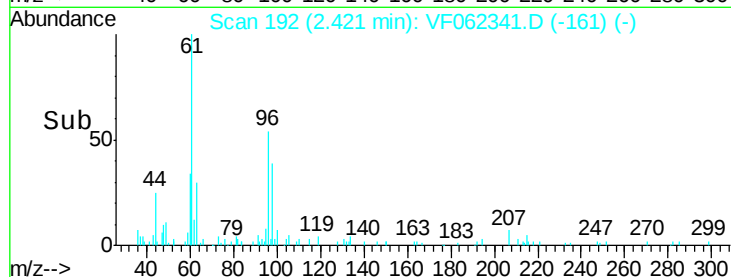
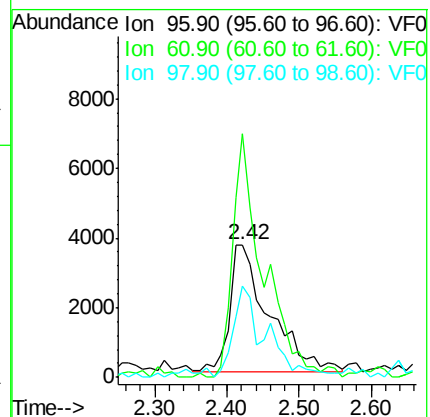
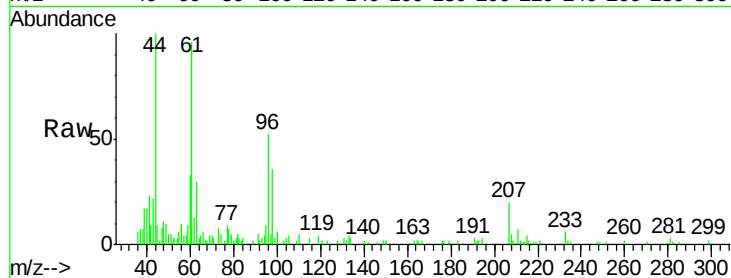
Tot Ion: 96 Resp: 13744

Ion Ratio Lower Upper

96 100

61 192.3 133.2 199.8

98 69.2 53.1 79.7



#22

Diisopropyl ether

Concen: 4.862 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Tgt Ion: 45 Resp: 36630

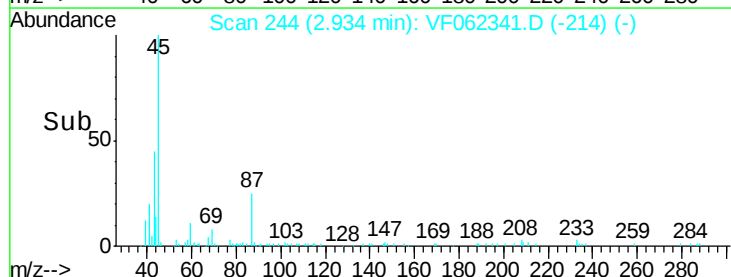
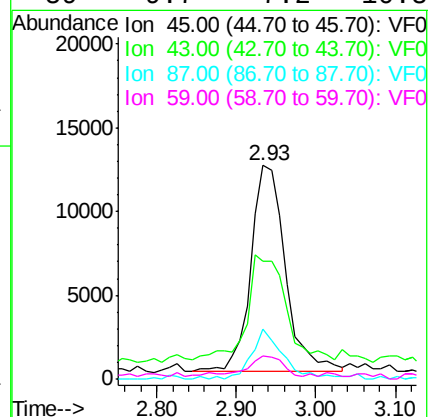
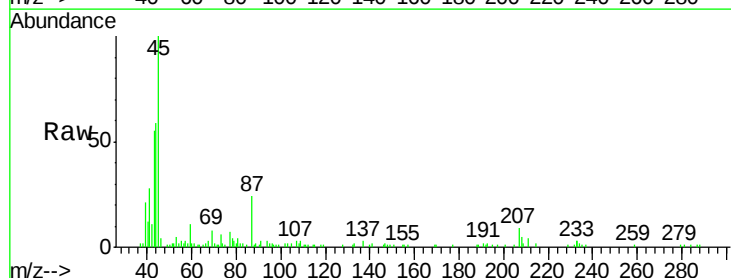
Ion Ratio Lower Upper

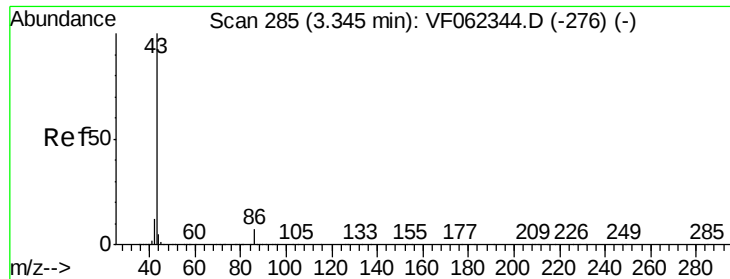
45 100

43 48.3 41.4 62.0

87 24.5 15.8 23.6#

59 9.7 7.2 10.8





#23

Vinyl Acetate

Concen: 20.647 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

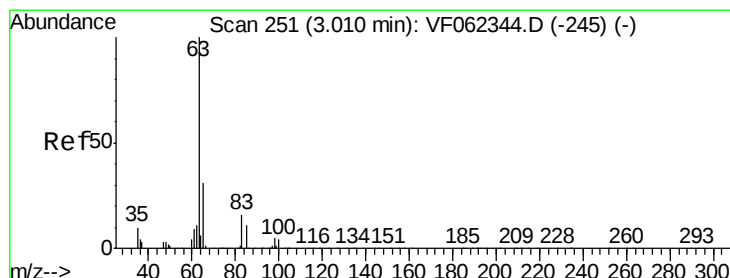
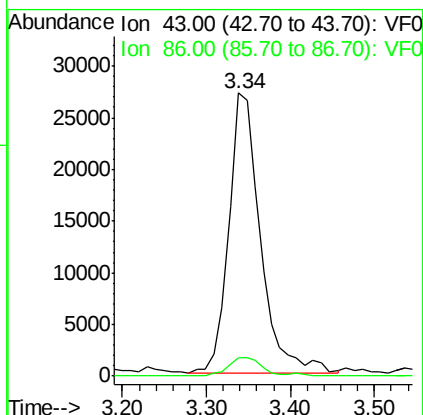
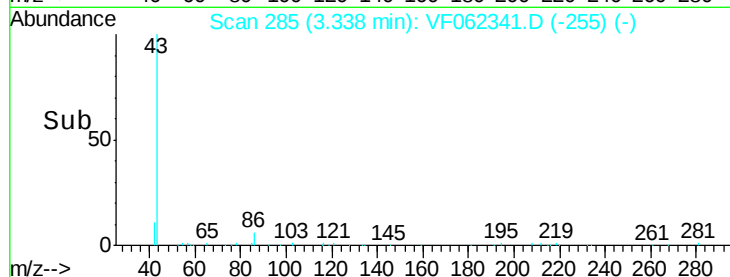
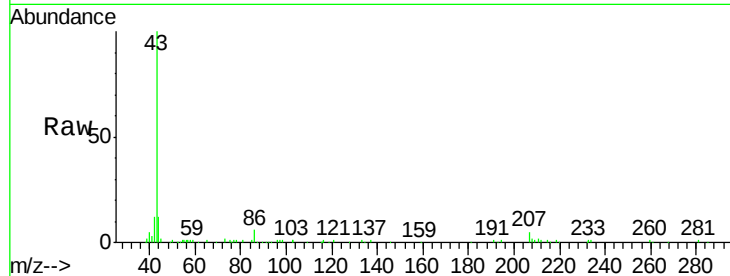
VSTDIC005

Tot Ion: 43 Resp: 70561

Ion Ratio Lower Upper

43 100

86 6.4 5.7 8.5



#24

1,1-Dichloroethane

Concen: 4.334 ug/l

RT: 3.01 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

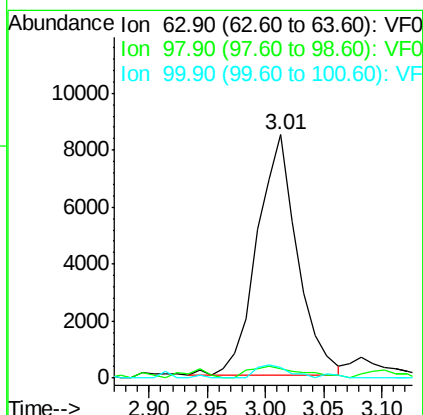
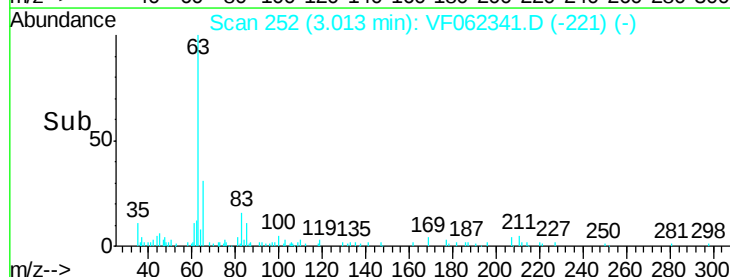
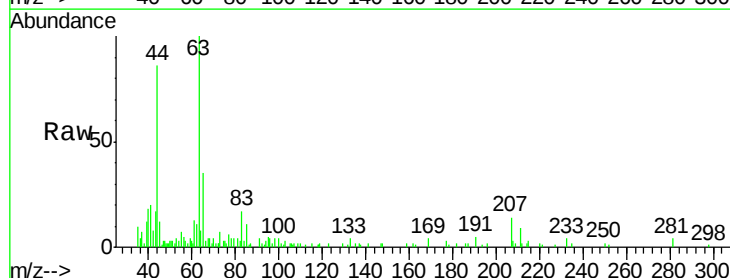
Tgt Ion: 63 Resp: 20175

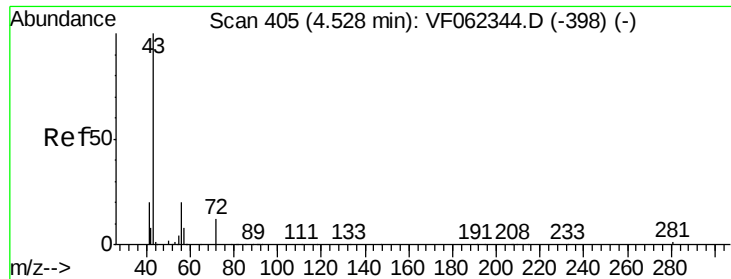
Ion Ratio Lower Upper

63 100

98 2.5 2.6 8.0#

100 4.5 1.8 5.4





#25

2-Butanone

Concen: 25.660 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

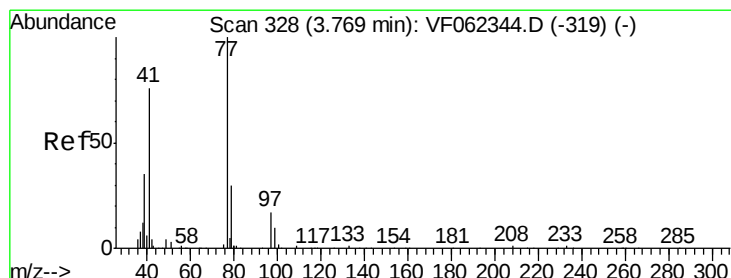
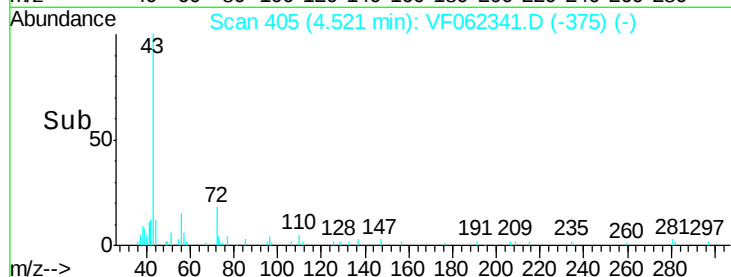
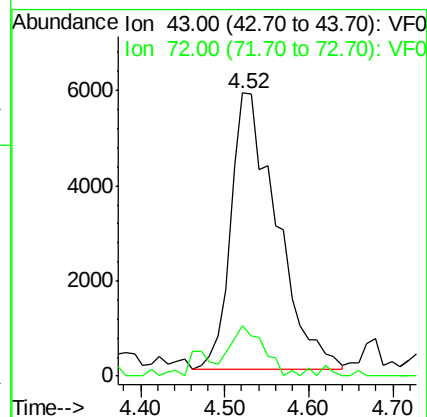
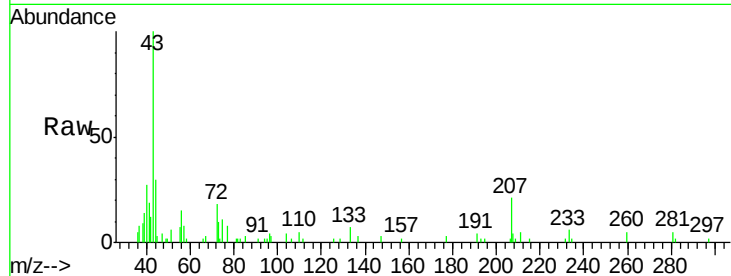
VSTDIC005

Tot Ion: 43 Resp: 22103

Ion Ratio Lower Upper

43 100

72 18.5 14.2 21.4



#26

2,2-Dichloropropane

Concen: 4.867 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF062341.D

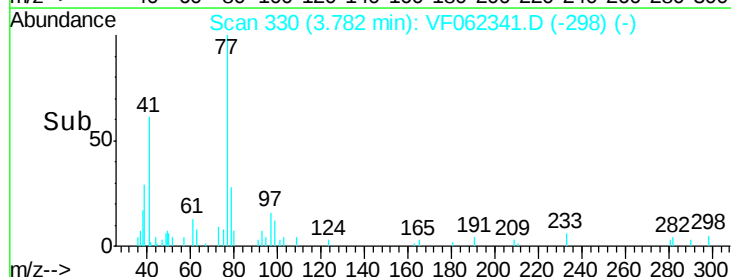
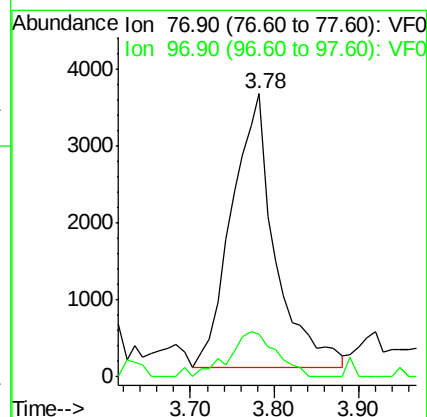
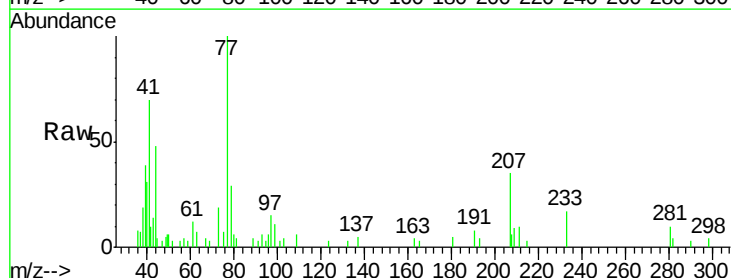
Acq: 6 May 2019 17:16

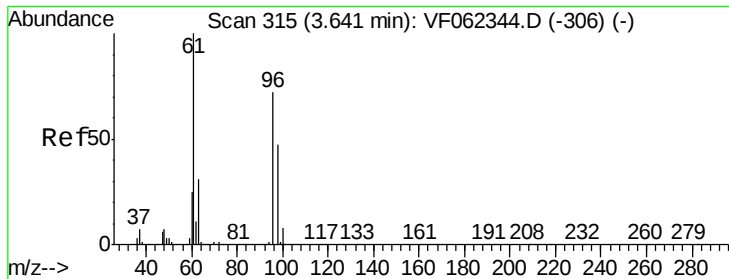
Tgt Ion: 77 Resp: 12718

Ion Ratio Lower Upper

77 100

97 18.1 9.5 28.5



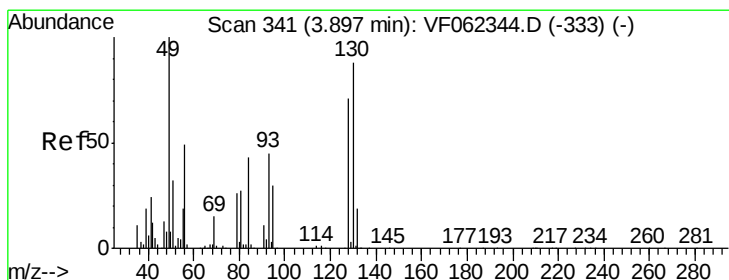
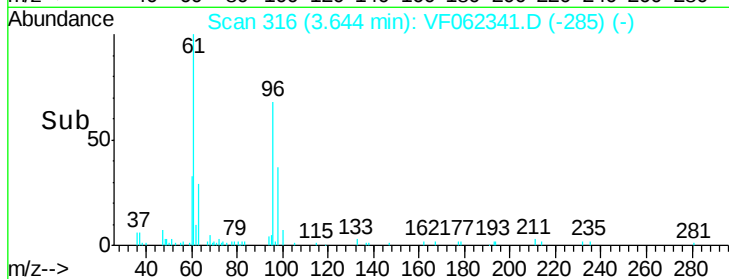
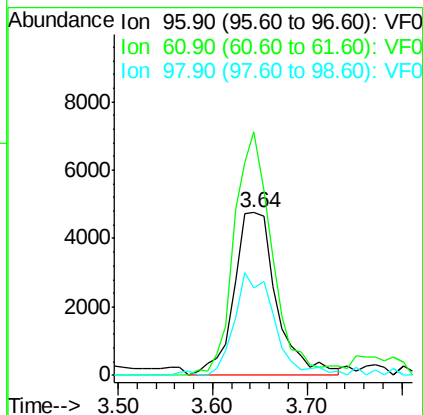
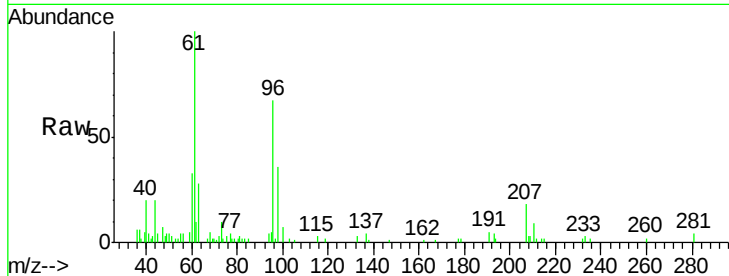


#27

cis-1,2-Dichloroethene
Concen: 4.459 ug/l
RT: 3.64 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

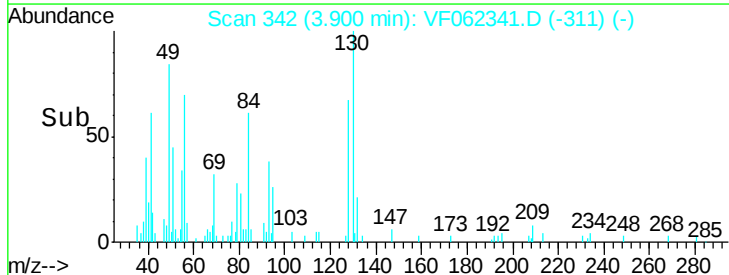
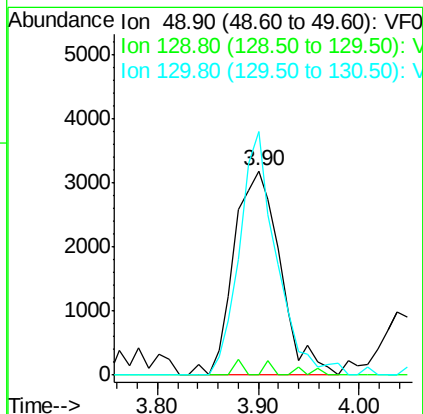
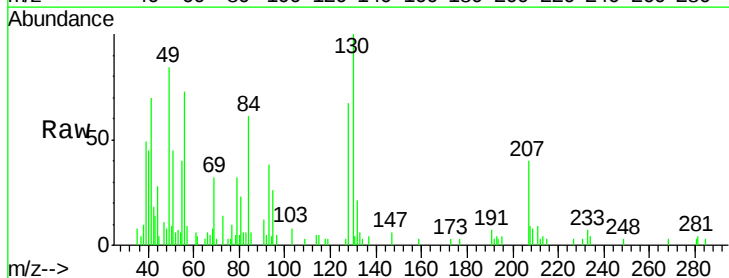
Tot Ion: 96 Resp: 14915
Ion Ratio Lower Upper
96 100
61 133.5 0.0 263.0
98 58.6 0.0 130.8

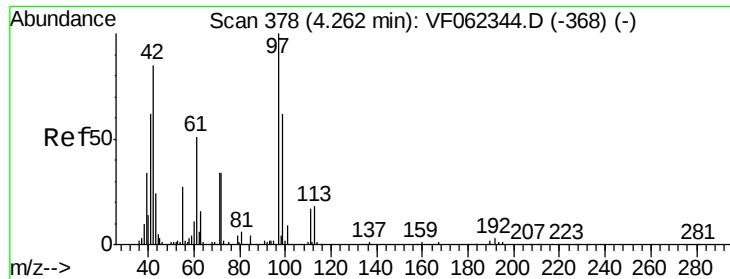


#28

Bromochloromethane
Concen: 4.871 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

Tgt Ion: 49 Resp: 10148
Ion Ratio Lower Upper
49 100
129 1.3 0.0 2.2
130 95.5 79.4 119.0





#29

Tetrahydrofuran

Concen: 25.986 ug/l

RT: 4.26 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

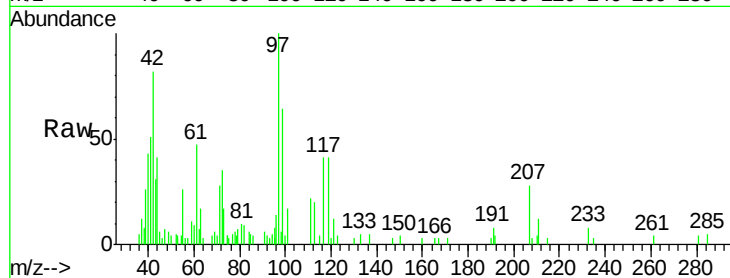
Tot Ion: 42 Resp: 10365

Ion Ratio Lower Upper

42 100

72 35.6 31.4 47.0

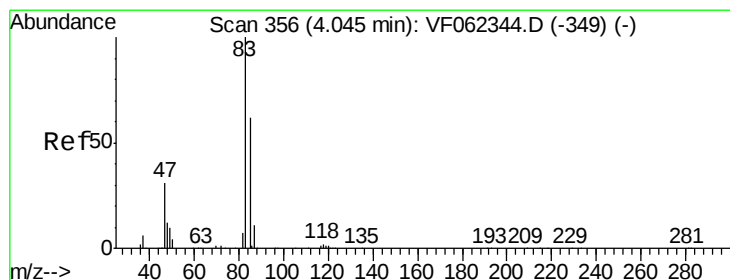
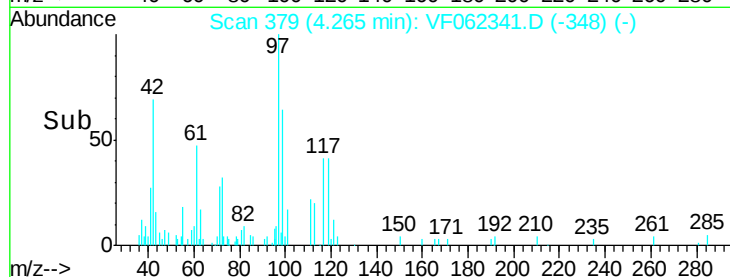
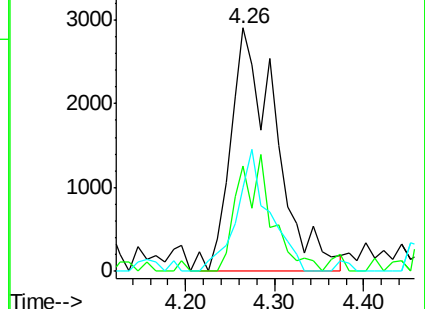
71 35.6 31.7 47.5



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: 4.017 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.00 min

Lab File: VF062341.D

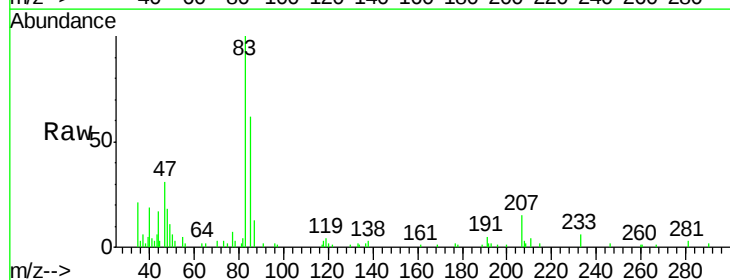
Acq: 6 May 2019 17:16

Tgt Ion: 83 Resp: 25716

Ion Ratio Lower Upper

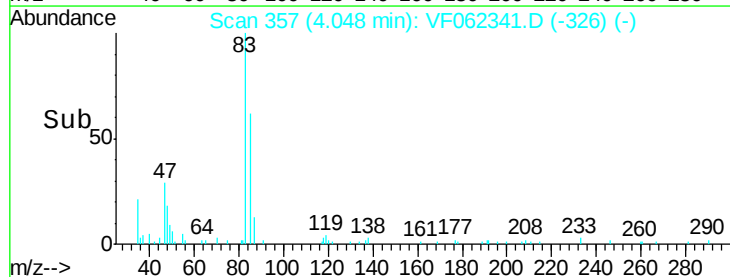
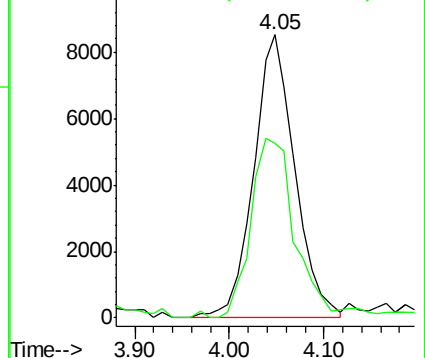
83 100

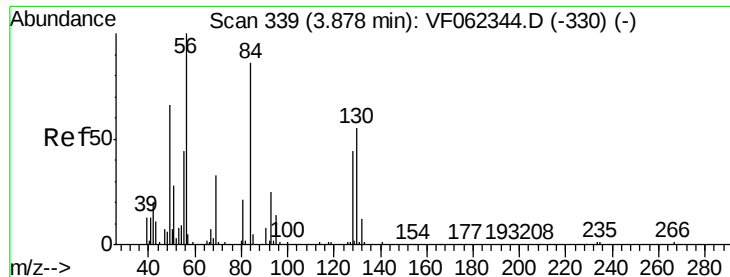
85 61.7 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

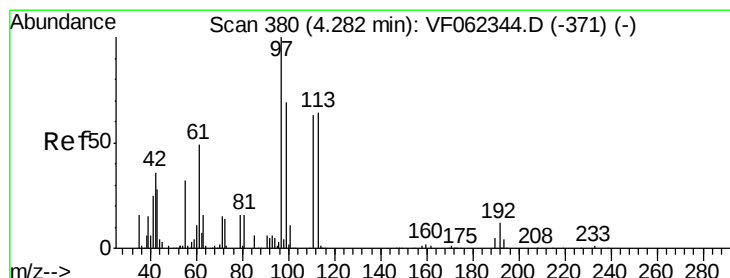
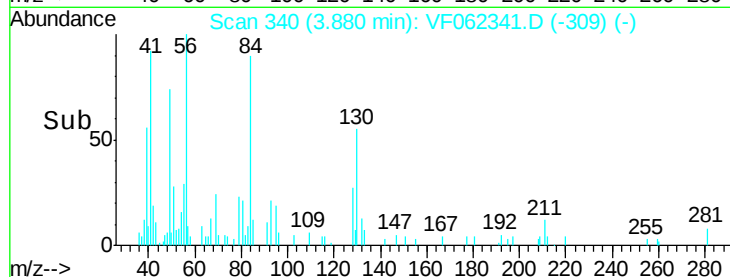
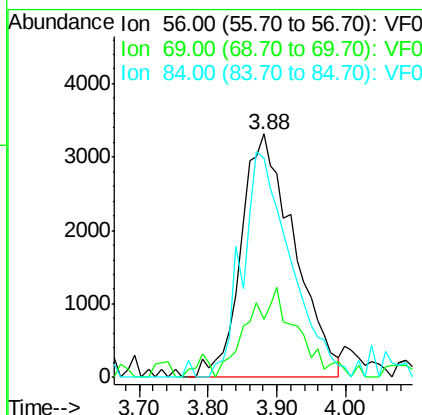
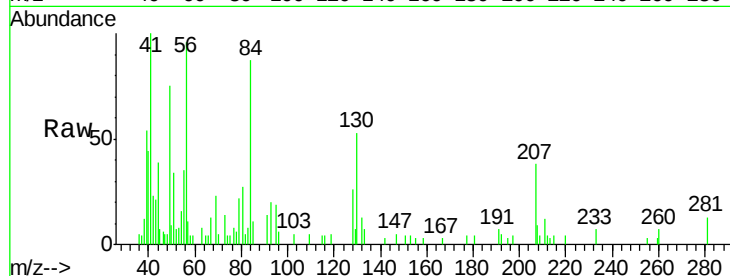




#31
Cvclohexane
Concen: 4.764 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

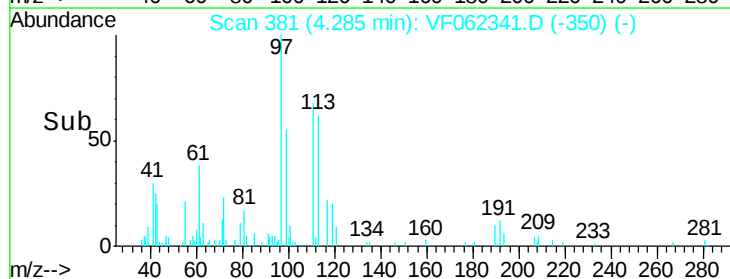
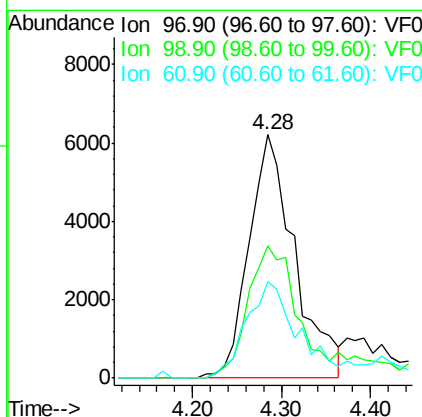
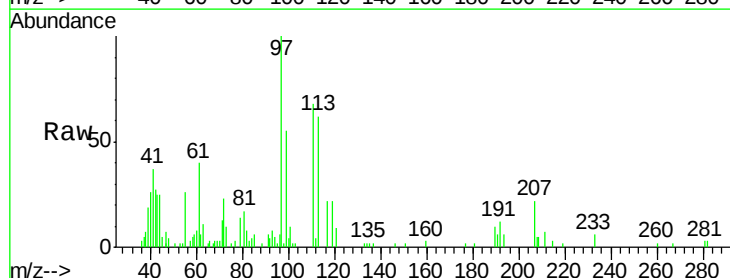
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

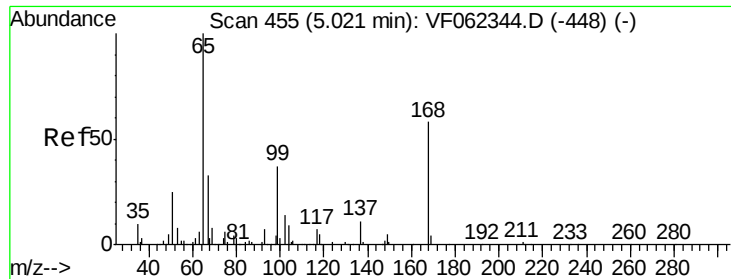
Tot Ion: 56 Resp: 17821
Ion Ratio Lower Upper
56 100
69 20.6 26.4 39.6#
84 85.3 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 4.628 ug/l
RT: 4.28 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

Tgt Ion: 97 Resp: 22078
Ion Ratio Lower Upper
97 100
99 57.7 52.6 78.8
61 44.3 39.4 59.0

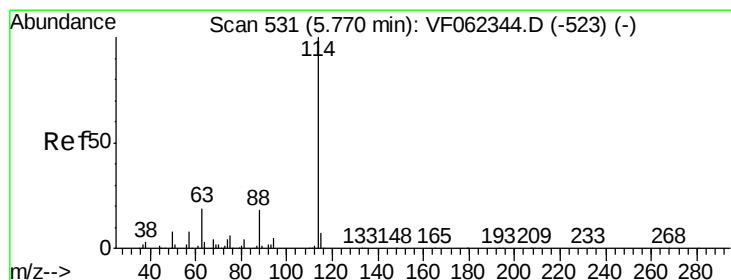
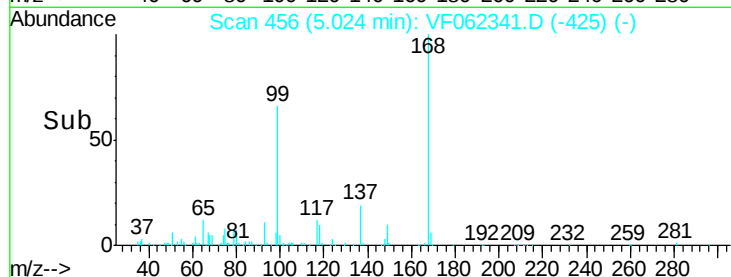
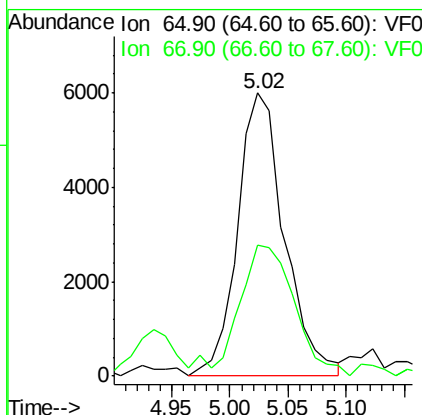
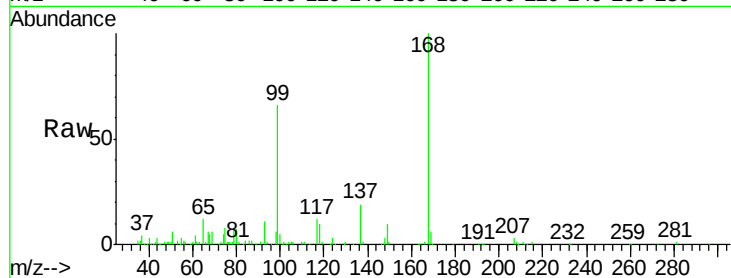




#33
 1,2-Dichloroethane-d4
 Concen: 4.997 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

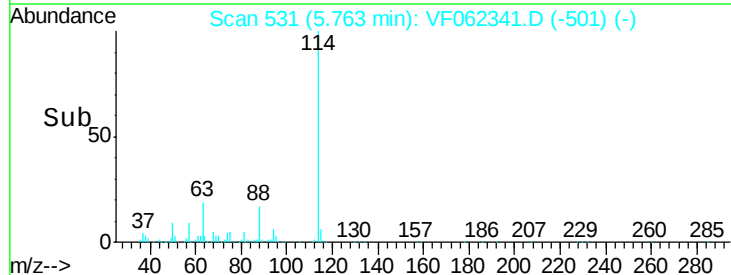
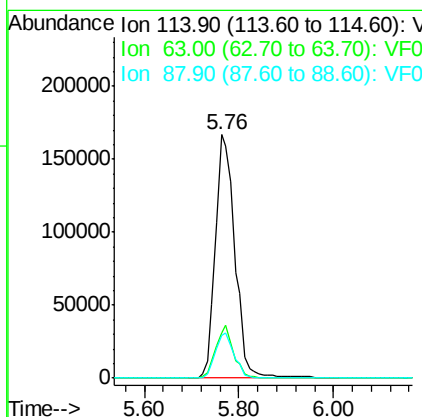
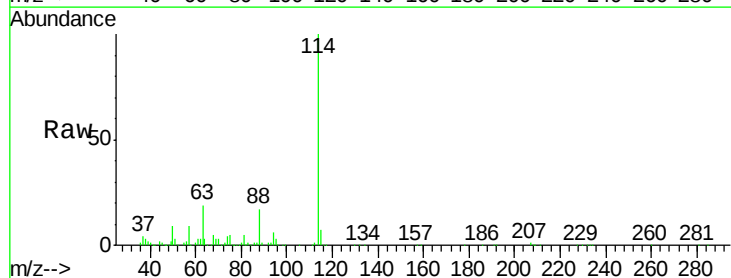
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

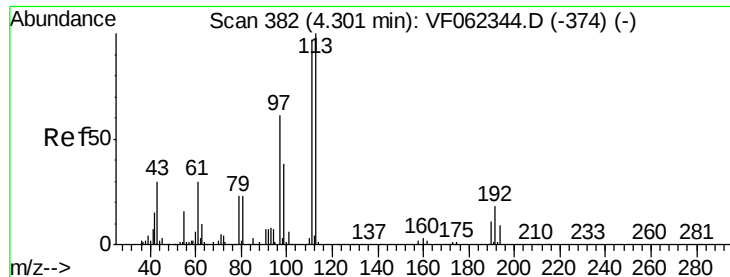
Tot Ion: 65 Resp: 16771
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

Tgt Ion:114 Resp: 478518
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.4
 88 17.3 0.0 36.4





#35

Dibromofluoromethane

Concen: 4.766 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

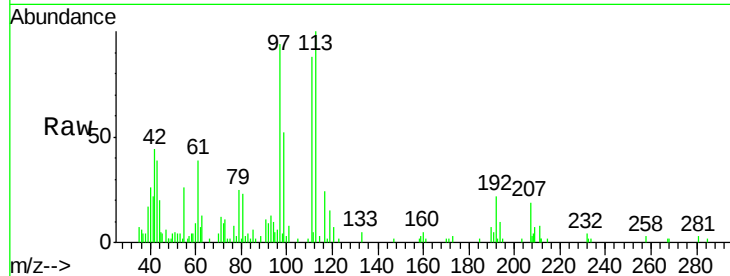
Tot Ion:113 Resp: 18561

Ion Ratio Lower Upper

113 100

111 99.8 79.4 119.0

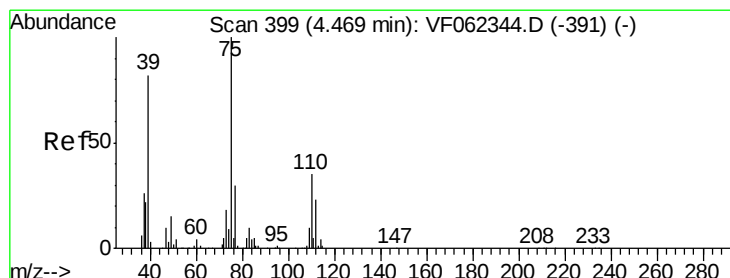
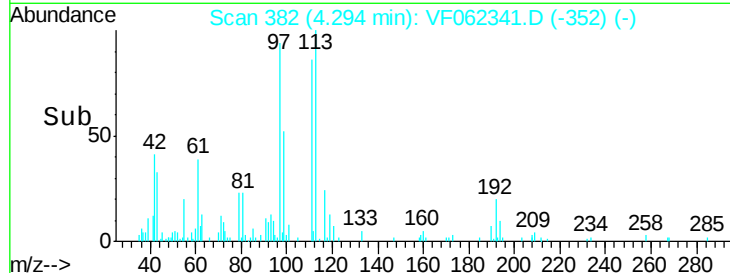
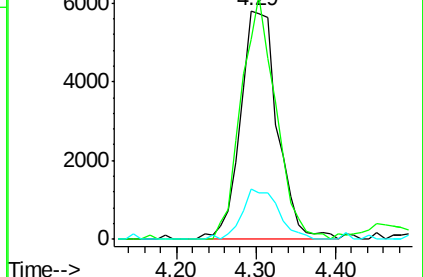
192 21.9 16.0 24.0



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: 4.470 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

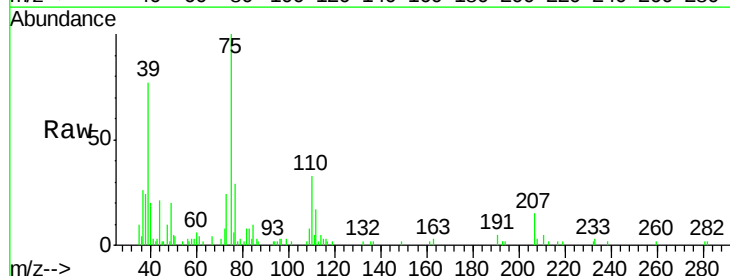
Tgt Ion: 75 Resp: 19420

Ion Ratio Lower Upper

75 100

110 35.1 17.2 51.5

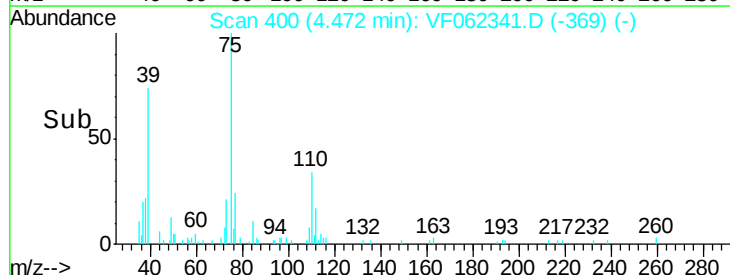
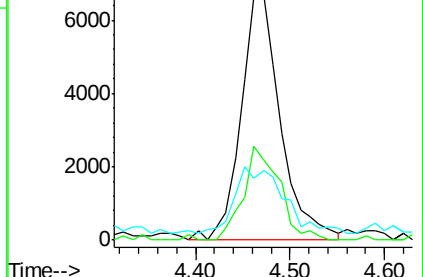
77 34.4 25.2 37.8

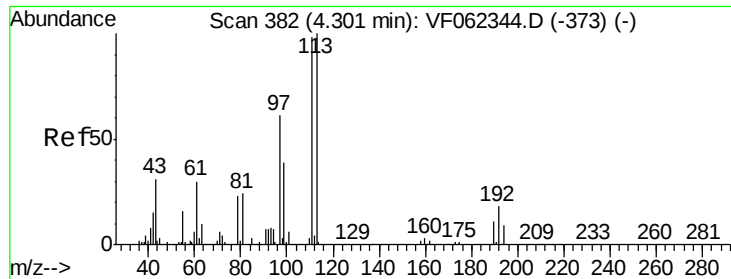


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0

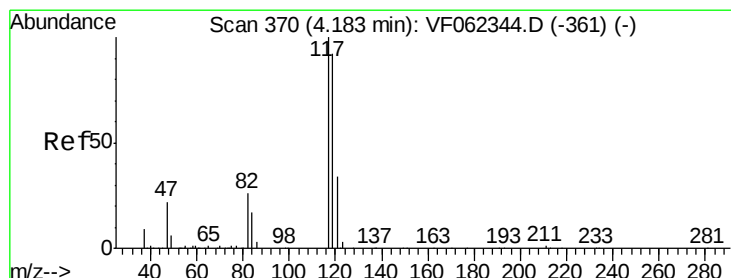
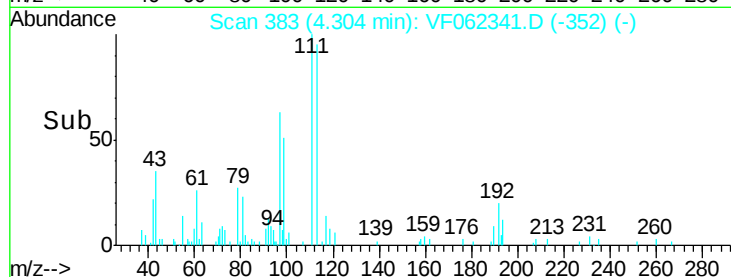
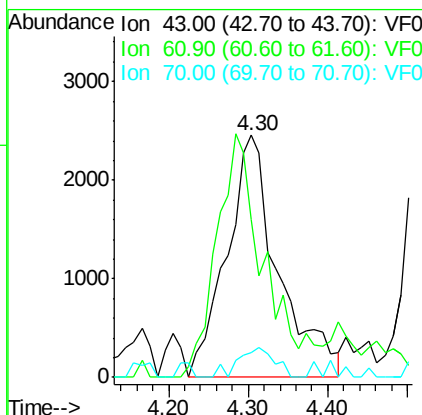
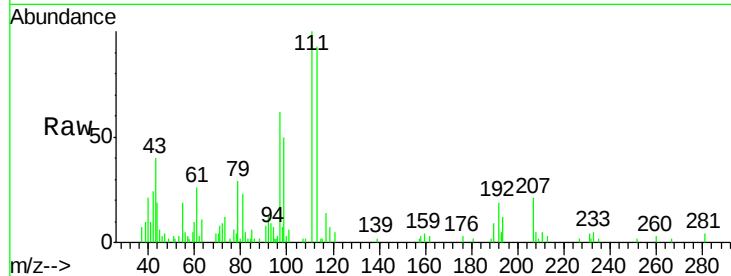




#37
Ethyl Acetate
Concen: 5.718 ug/l
RT: 4.30 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

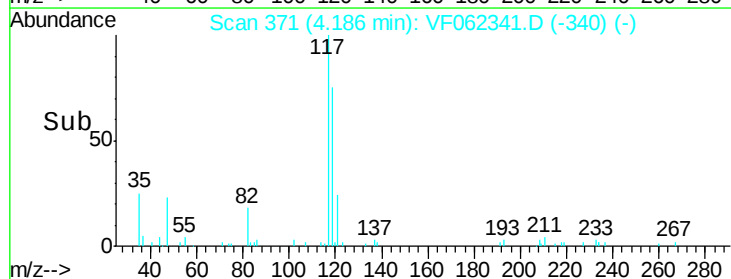
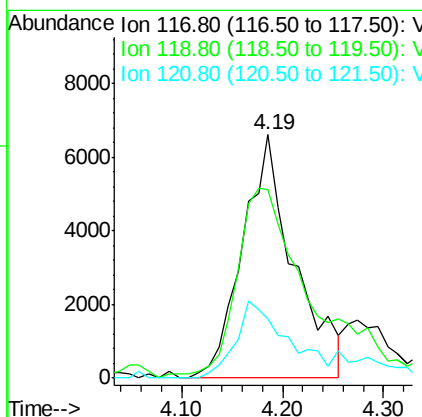
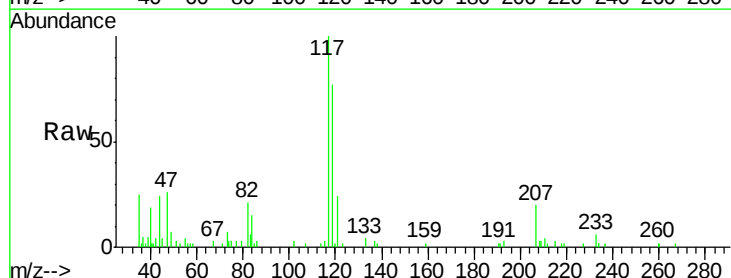
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

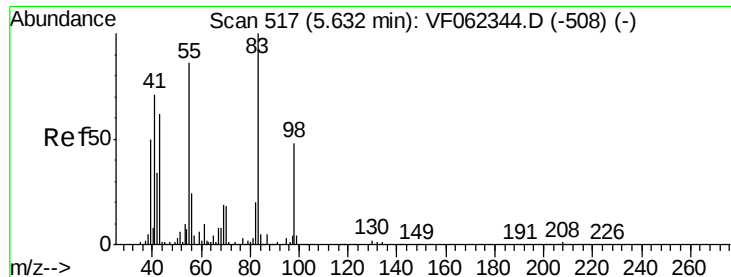
Tot Ion: 43 Resp: 11095
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 8.6 8.2 12.2



#38
Carbon Tetrachloride
Concen: 4.908 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

Tgt Ion:117 Resp: 23518
Ion Ratio Lower Upper
117 100
119 75.8 73.4 110.2
121 24.2 27.4 41.0#

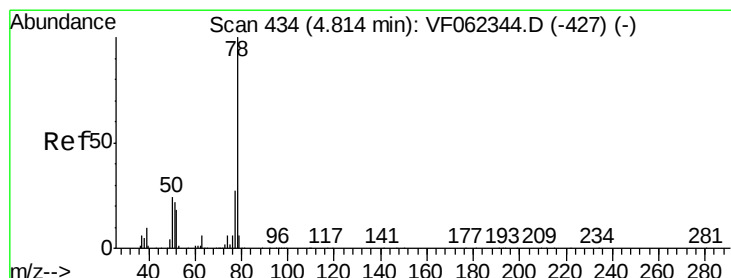
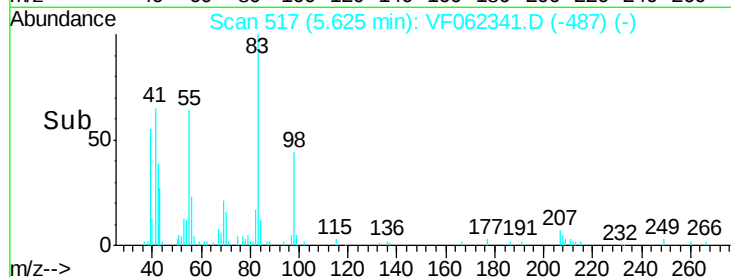
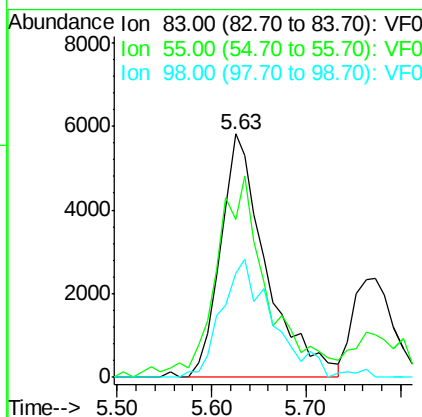
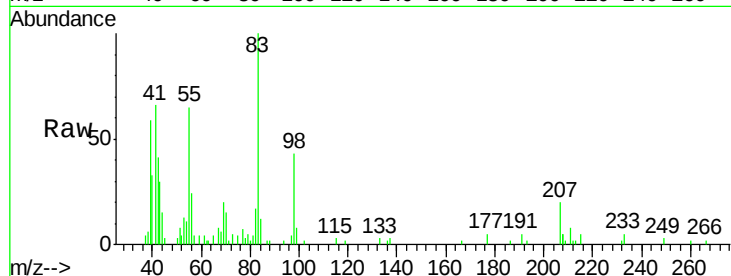




#39
Methvlcvclohexane
Concen: 4.546 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

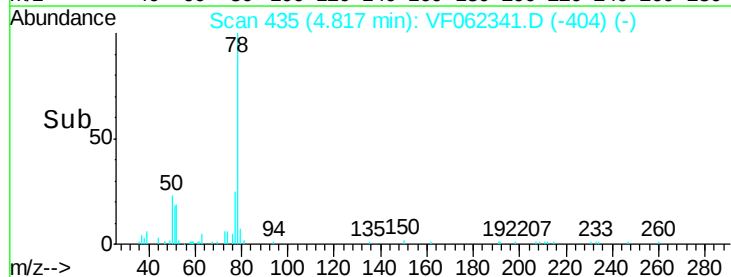
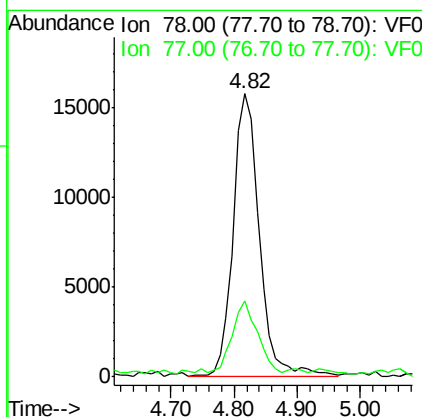
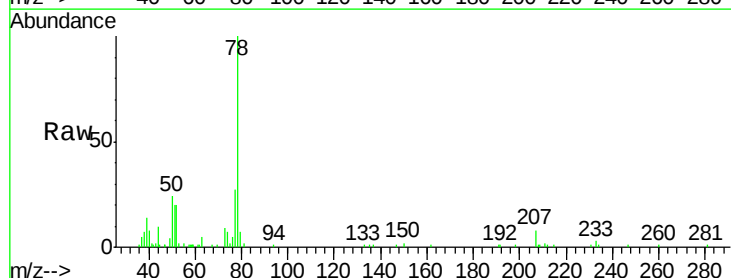
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

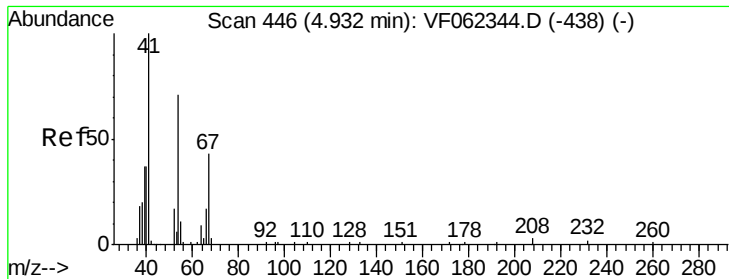
Tot Ion: 83 Resp: 19370
Ion Ratio Lower Upper
83 100
55 60.9 69.0 103.6#
98 40.6 38.6 58.0



#40
Benzene
Concen: 4.813 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

Tgt Ion: 78 Resp: 45383
Ion Ratio Lower Upper
78 100
77 25.3 21.6 32.4





#41

Methacrylonitrile

Concen: 4.459 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 4830

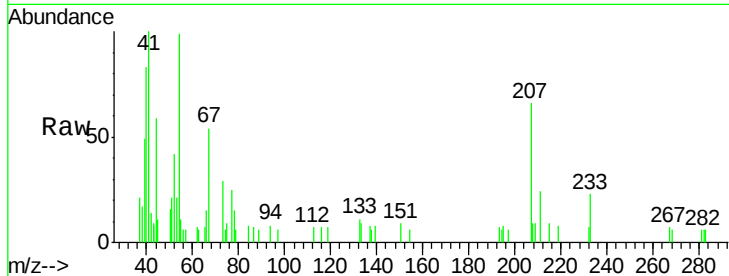
Ion Ratio Lower Upper

41 100

39 85.8 54.3 81.5#

67 48.1 37.8 56.8

52 86.9 58.2 87.4

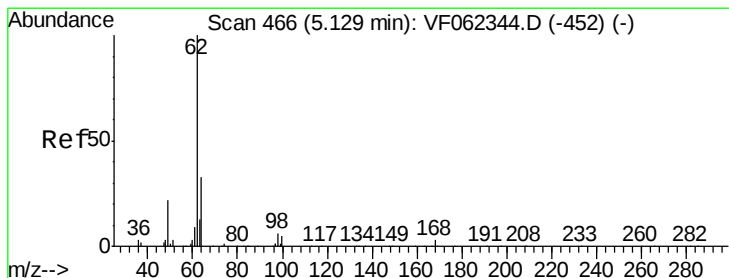
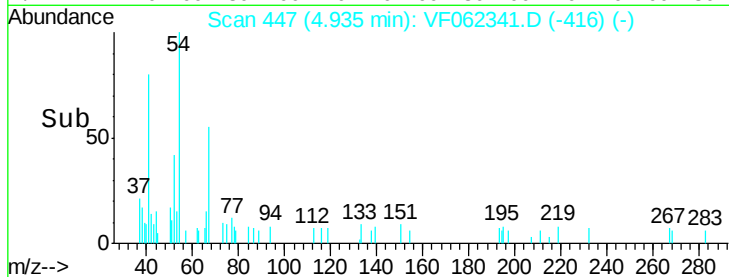
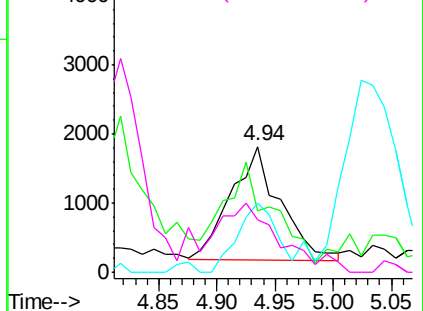


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 4.419 ug/l

RT: 5.12 min Scan# 466

Delta R.T. -0.01 min

Lab File: VF062341.D

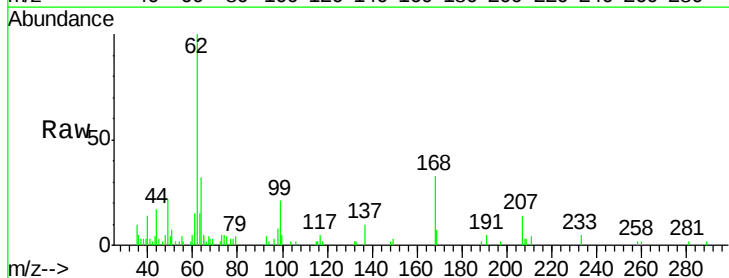
Acq: 6 May 2019 17:16

Tgt Ion: 62 Resp: 17431

Ion Ratio Lower Upper

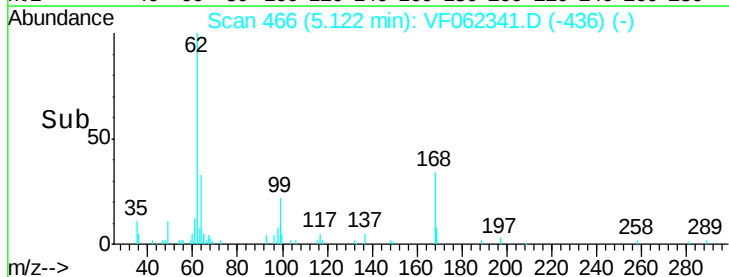
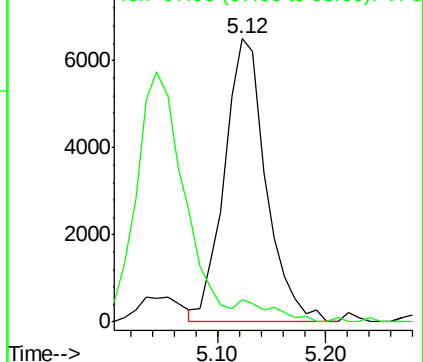
62 100

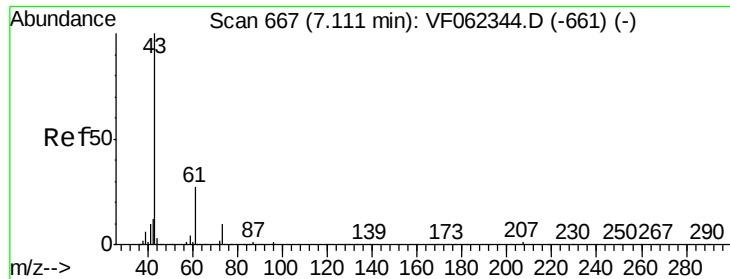
98 0.0 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



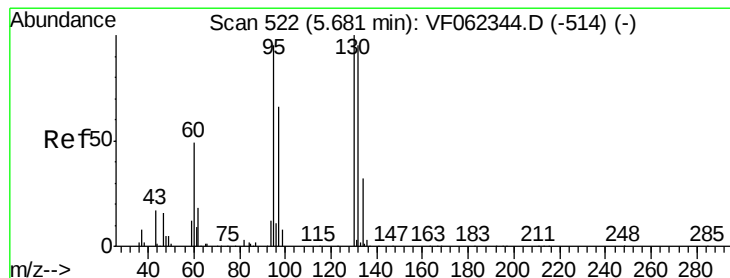
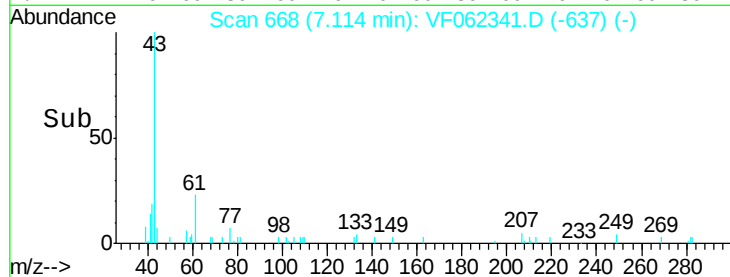
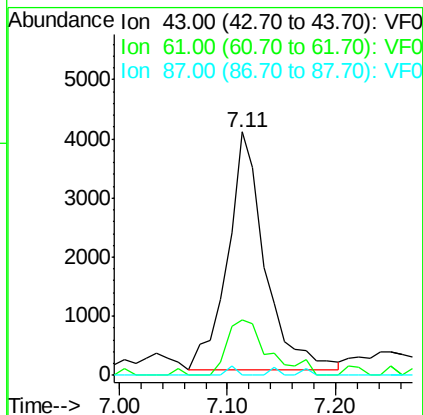
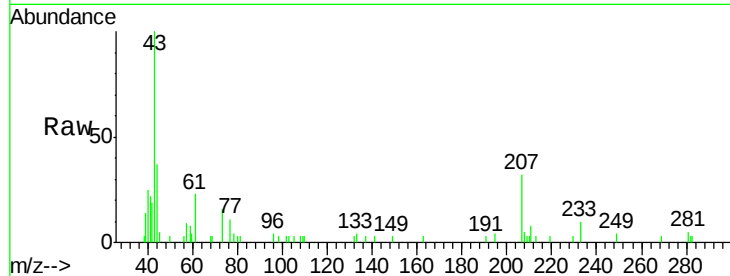


#43

Isopropyl Acetate
 Concen: 4.972 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC005

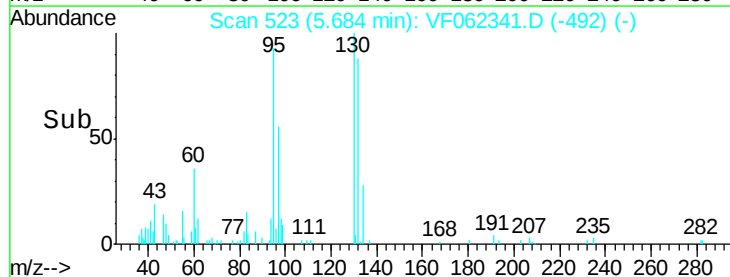
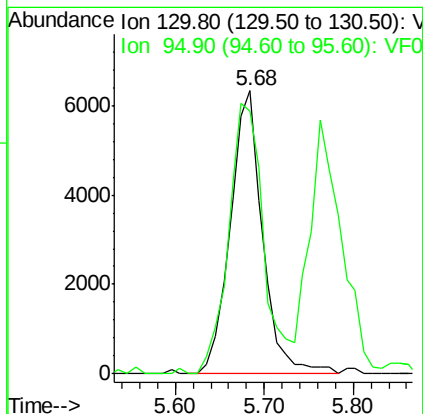
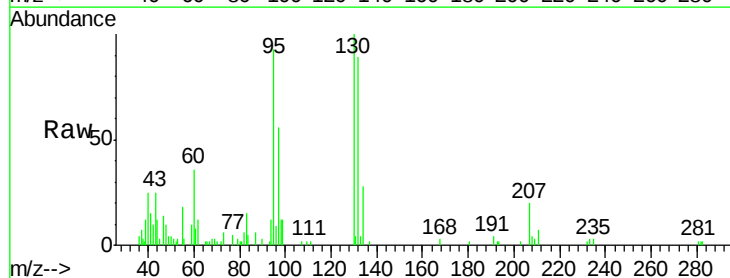
Tot Ion: 43 Resp: 9604
 Ion Ratio Lower Upper
 43 100
 61 25.8 22.8 34.2
 87 1.0 0.6 1.0#

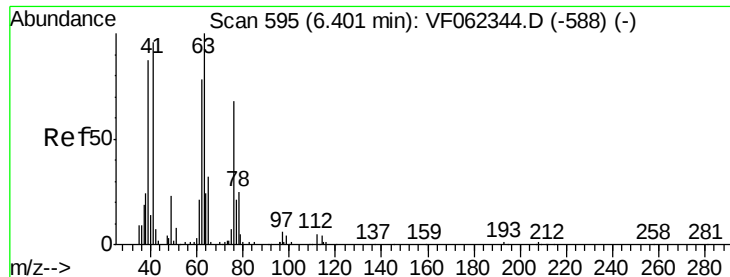


#44

Trichloroethene
 Concen: 4.582 ug/l
 RT: 5.68 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

Tgt Ion: 130 Resp: 16027
 Ion Ratio Lower Upper
 130 100
 95 93.0 0.0 189.0





#45

1,2-Dichloropropane

Concen: 4.632 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

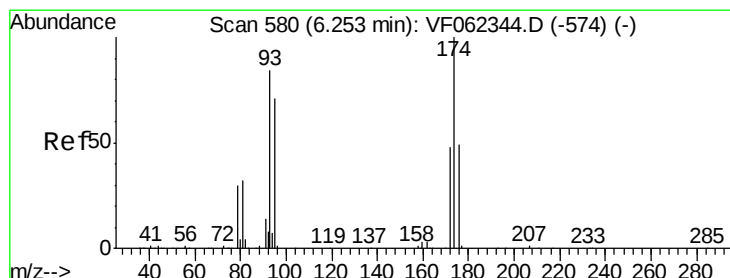
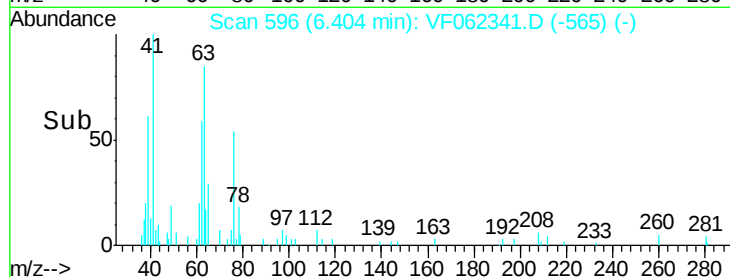
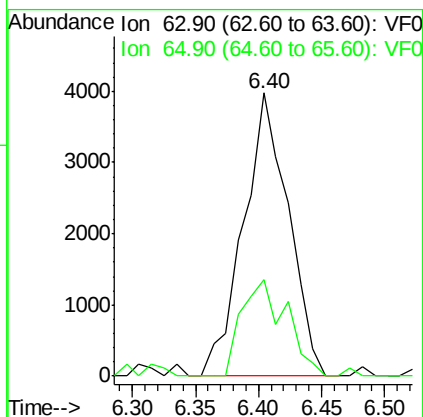
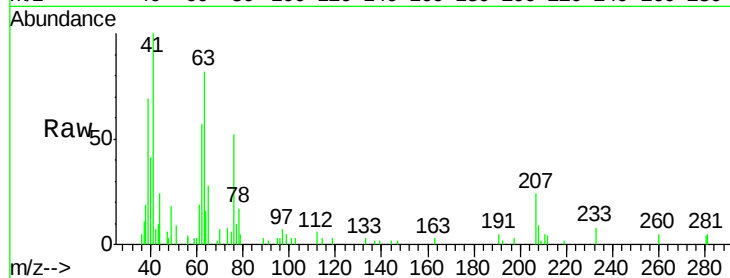
VSTDIC005

Tot Ion: 63 Resp: 9863

Ion Ratio Lower Upper

63 100

65 34.0 25.6 38.4



#46

Dibromomethane

Concen: 4.497 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

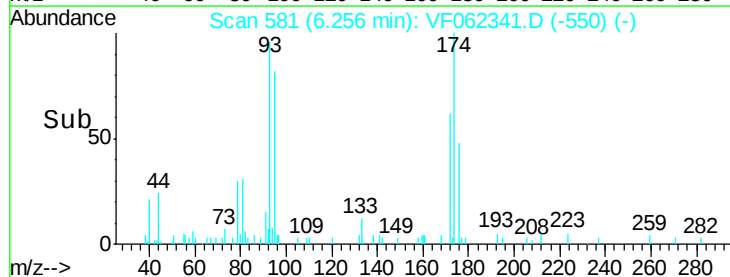
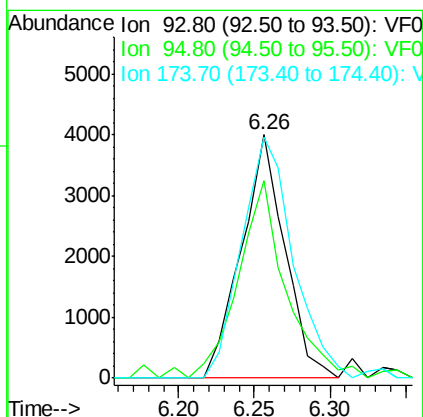
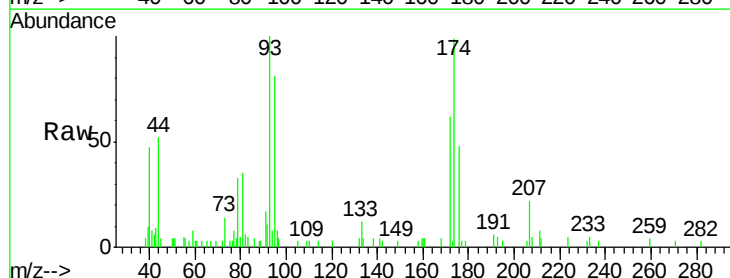
Tgt Ion: 93 Resp: 8030

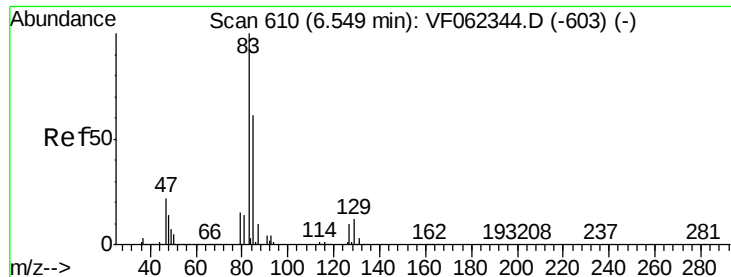
Ion Ratio Lower Upper

93 100

95 88.8 68.4 102.6

174 117.5 99.6 149.4





#47

Bromodichloromethane

Concen: 4.012 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

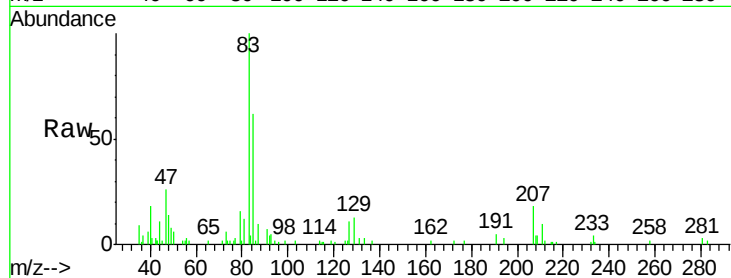
Tot Ion: 83 Resp: 18029

Ion Ratio Lower Upper

83 100

85 62.4 49.1 73.7

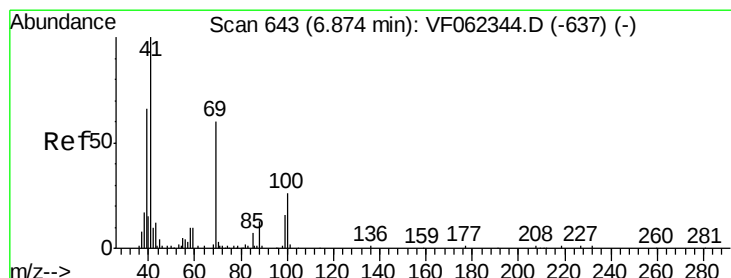
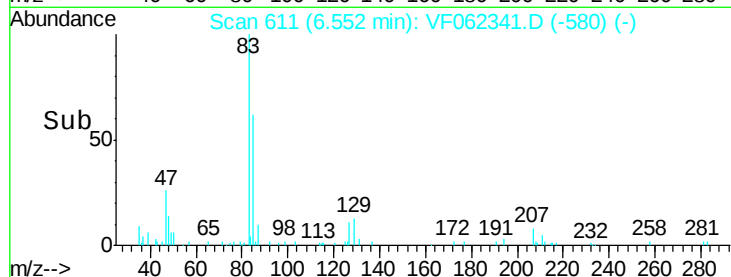
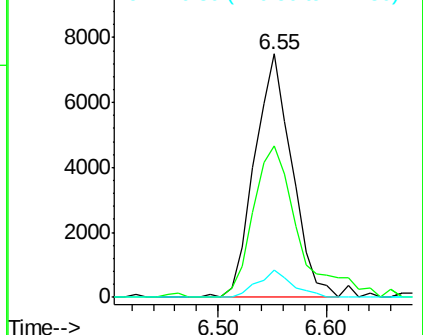
127 11.1 7.8 11.8



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: 4.711 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

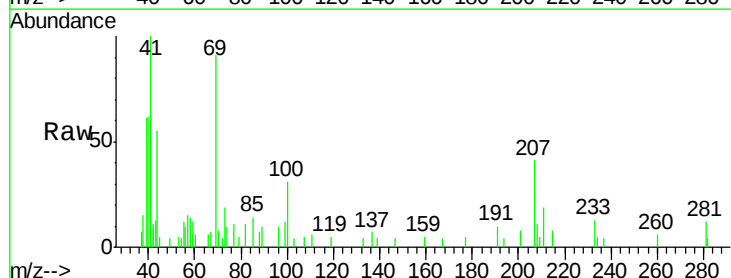
Tgt Ion: 41 Resp: 6554

Ion Ratio Lower Upper

41 100

69 80.0 48.6 72.8#

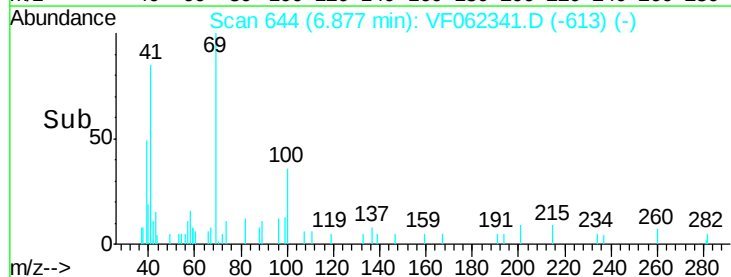
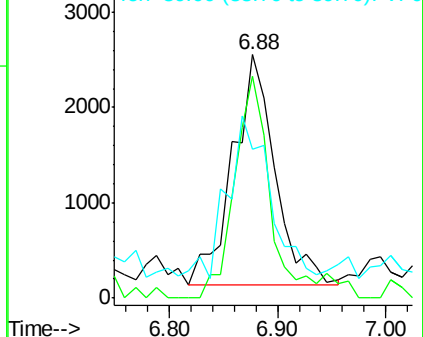
39 68.6 56.1 84.1

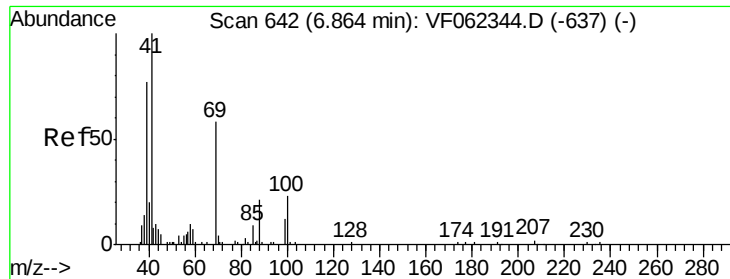


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

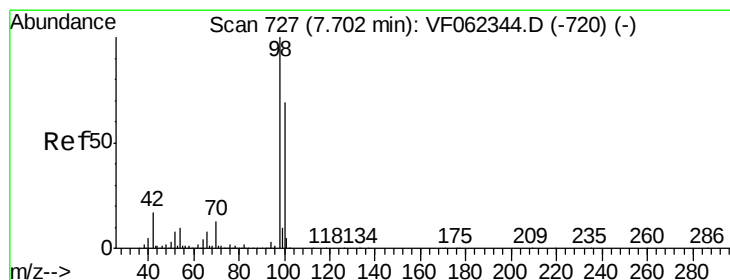
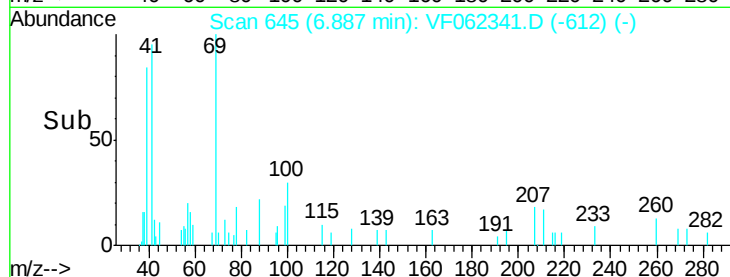
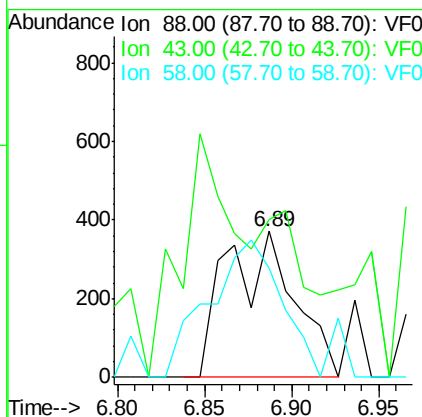
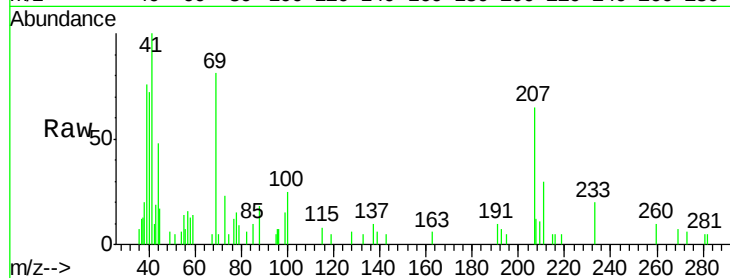




#49
1,4-Dioxane
Concen: 67.487 ug/l m
RT: 6.89 min Scan# 645
Delta R.T. 0.02 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

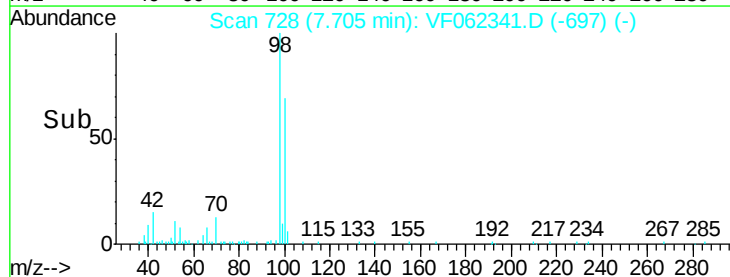
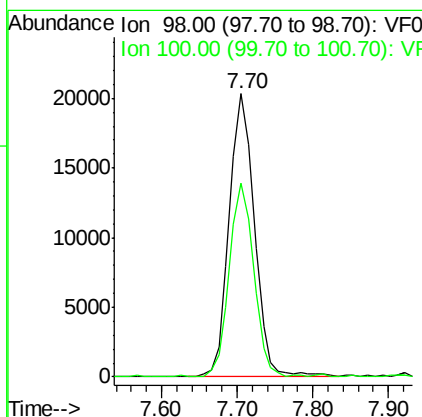
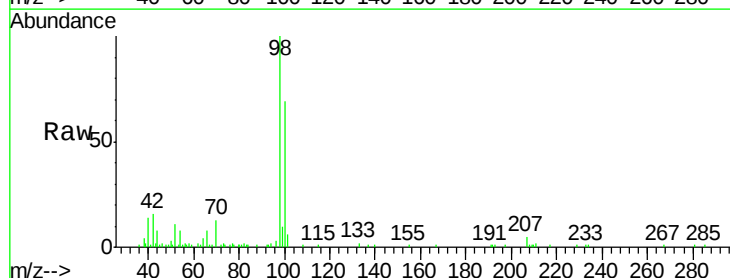
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

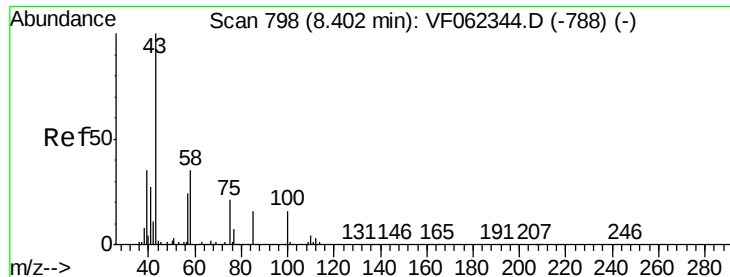
Tot Ion: 88 Resp: 1002
Ion Ratio Lower Upper
88 100
43 0.0 55.6 83.4#
58 101.4 52.8 79.2#



#50
Toluene-d8
Concen: 5.046 ug/l
RT: 7.70 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

Tgt Ion: 98 Resp: 47036
Ion Ratio Lower Upper
98 100
100 66.2 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 23.796 ug/l

RT: 8.40 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

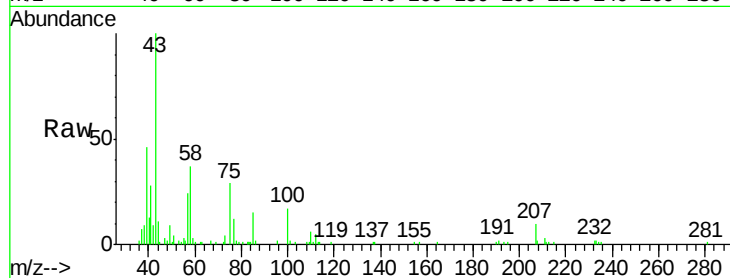
VSTDIC005

Tot Ion: 43 Resp: 34903

Ion Ratio Lower Upper

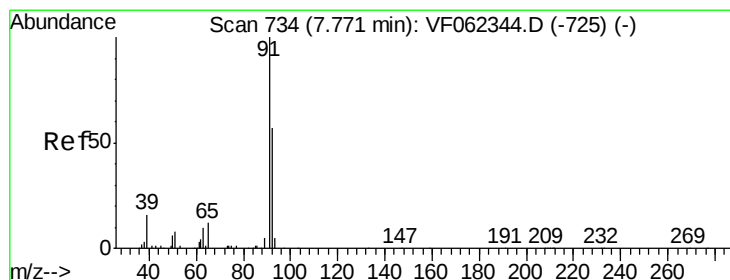
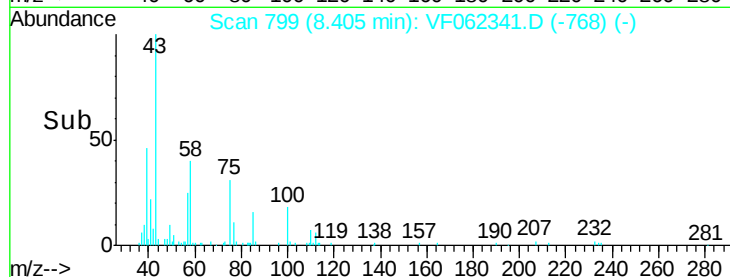
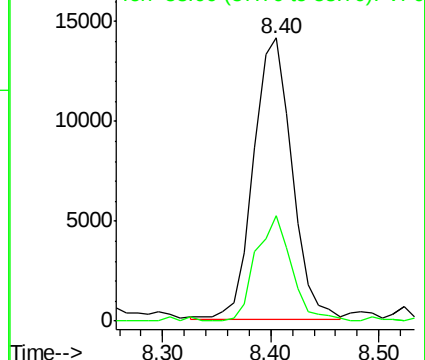
43 100

58 34.7 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: 4.943 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF062341.D

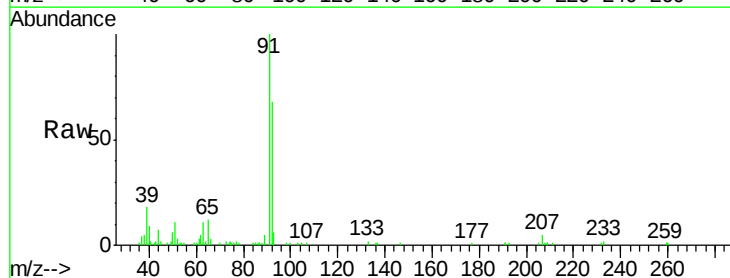
Acq: 6 May 2019 17:16

Tgt Ion: 92 Resp: 28410

Ion Ratio Lower Upper

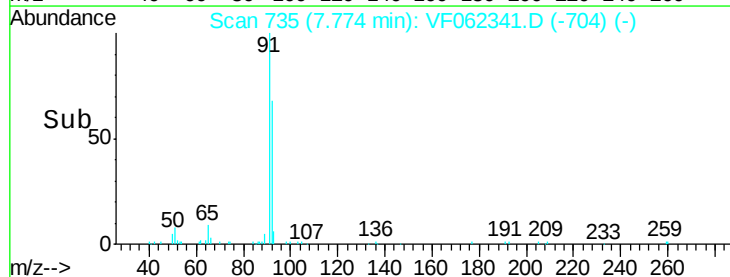
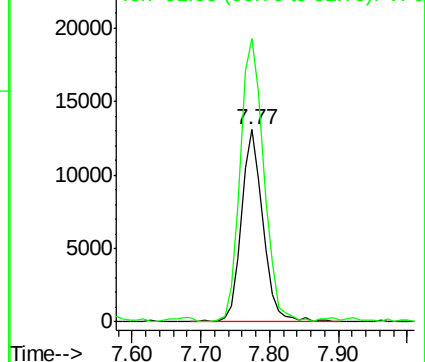
92 100

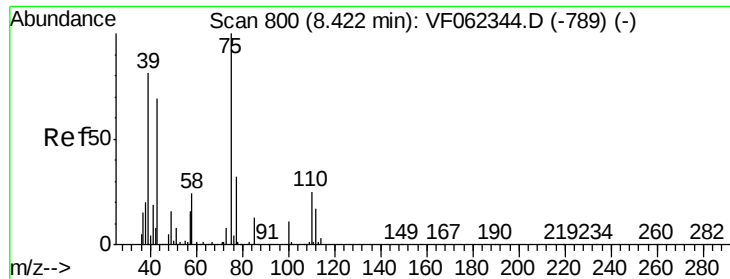
91 161.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

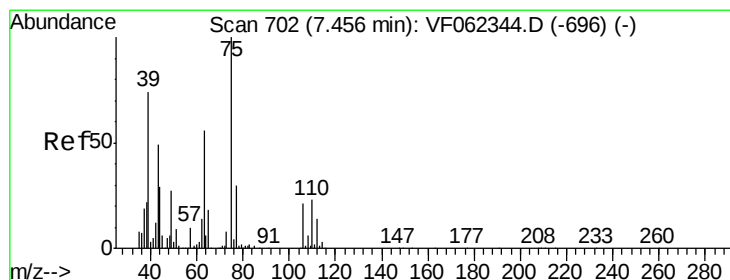
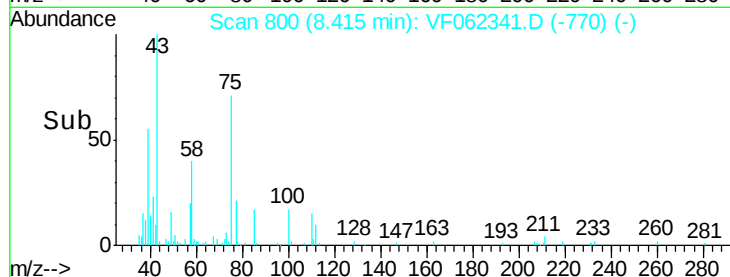
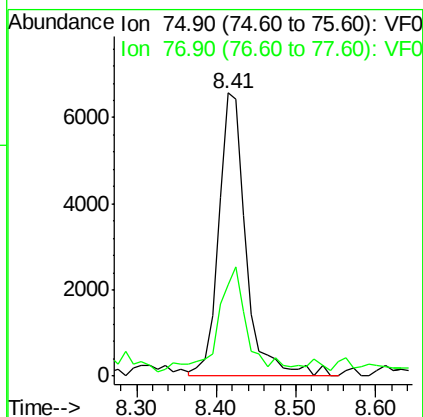
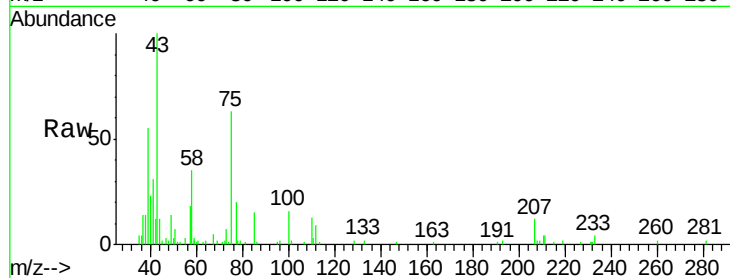




#53
t-1,3-Dichloropropene
Concen: 4.763 ug/l
RT: 8.41 min Scan# 800
Delta R.T. -0.01 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

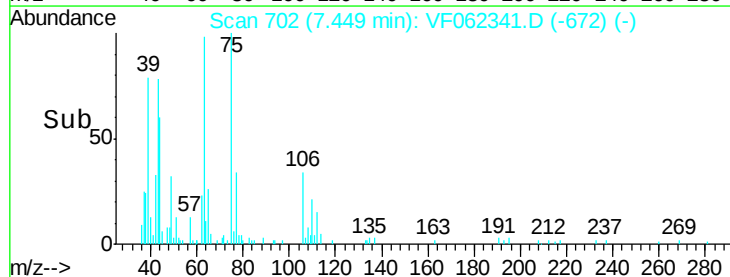
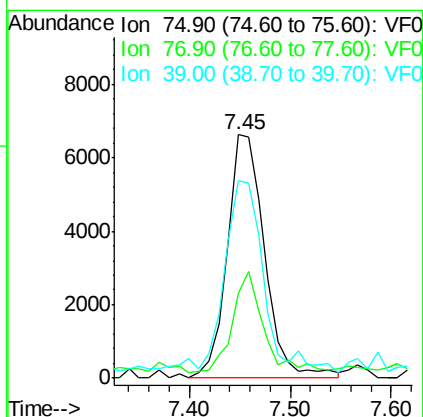
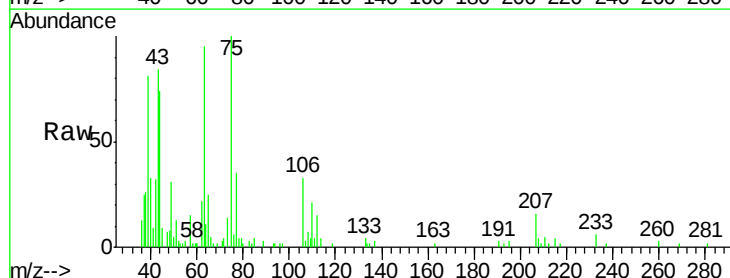
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

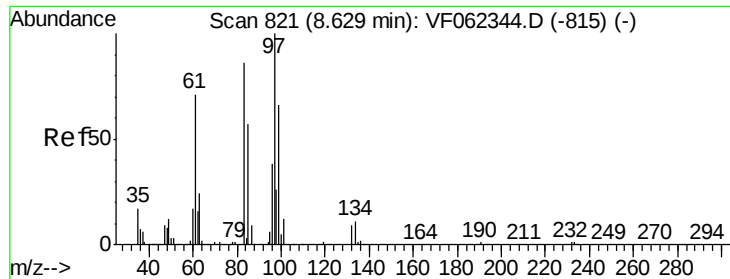
Tot Ion: 75 Resp: 15829
Ion Ratio Lower Upper
75 100
77 28.0 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 4.387 ug/l
RT: 7.45 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

Tgt Ion: 75 Resp: 17126
Ion Ratio Lower Upper
75 100
77 32.9 24.0 36.0
39 78.8 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 4.517 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

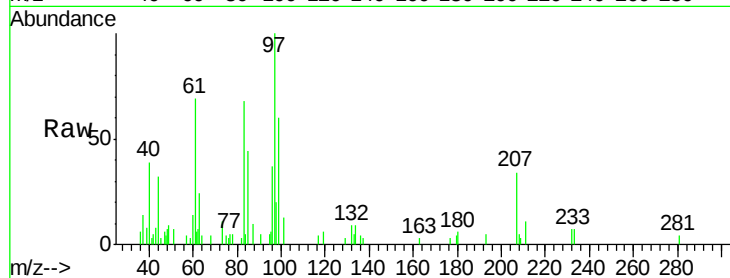
MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 8250

Ion	Ratio	Lower	Upper
97	100		
83	67.6	68.5	102.7#
85	39.9	45.4	68.2#
99	60.1	52.7	79.1

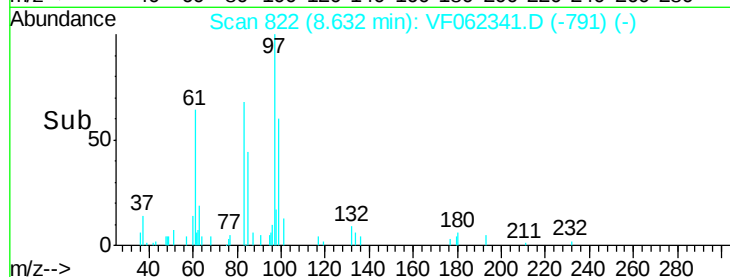


Abundance Ion 96.90 (96.60 to 97.60): VF0

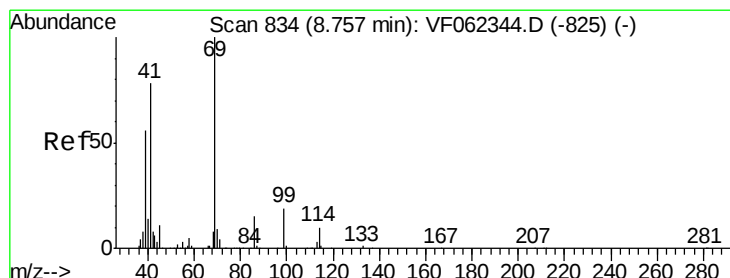
Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



Time-->



#56

Ethyl methacrylate

Concen: 4.839 ug/l

RT: 8.75 min Scan# 834

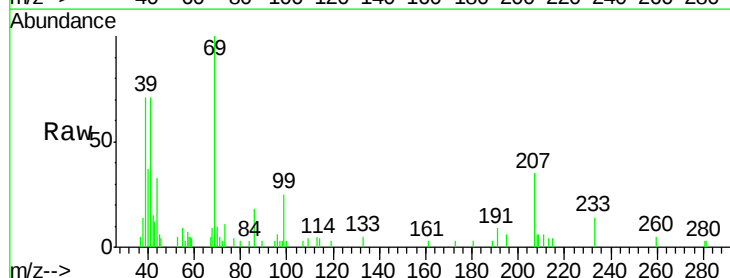
Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Tgt Ion: 69 Resp: 9567

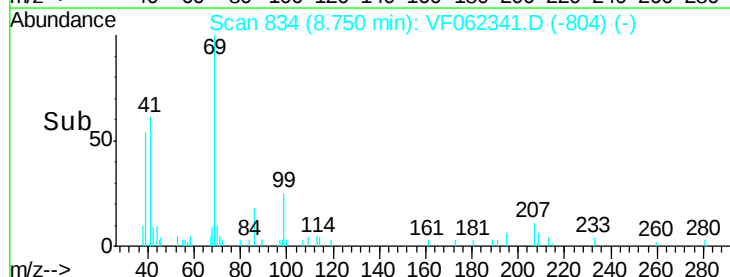
Ion	Ratio	Lower	Upper
69	100		
41	85.4	66.3	99.5
39	87.1	50.1	75.1#



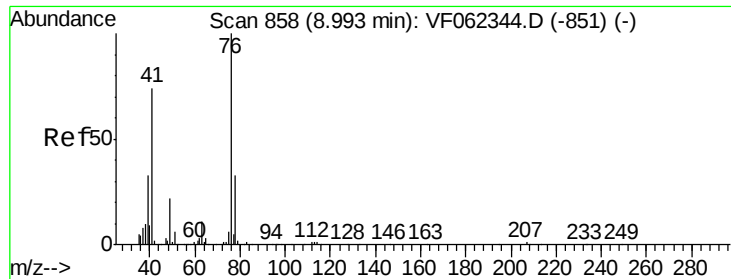
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



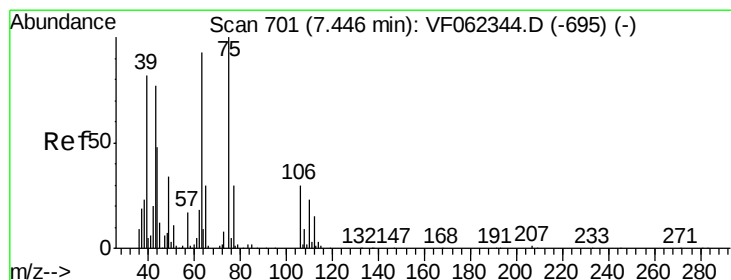
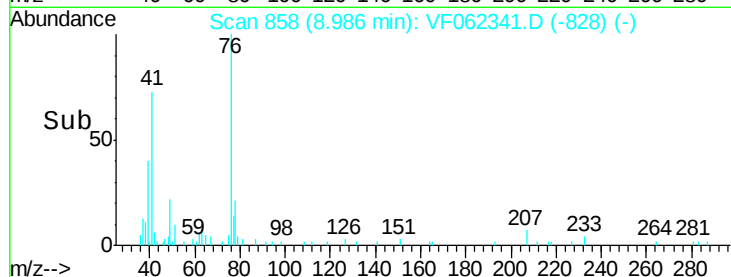
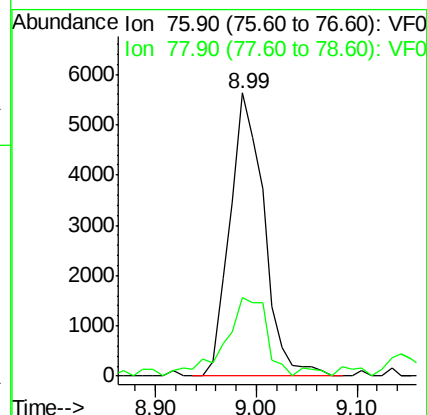
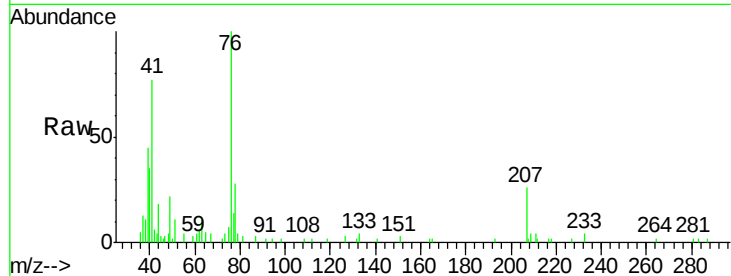
Time-->



#57
 1,3-Dichloropropane
 Concen: 4.806 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

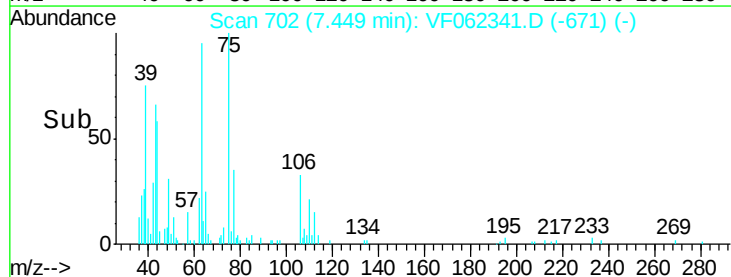
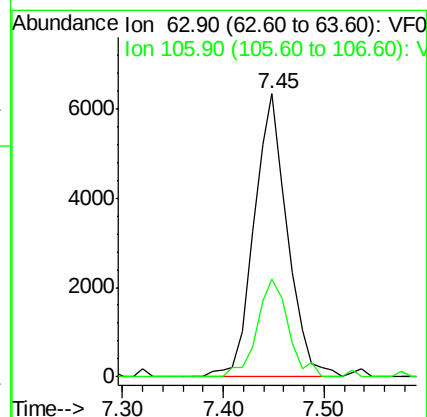
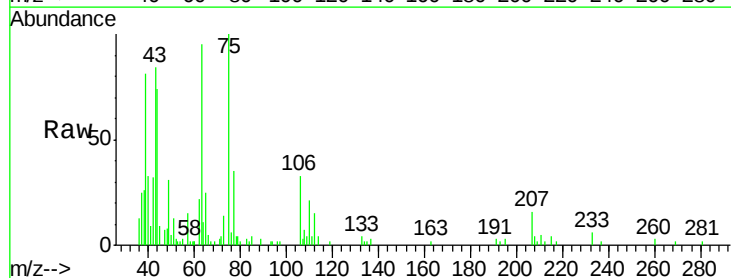
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

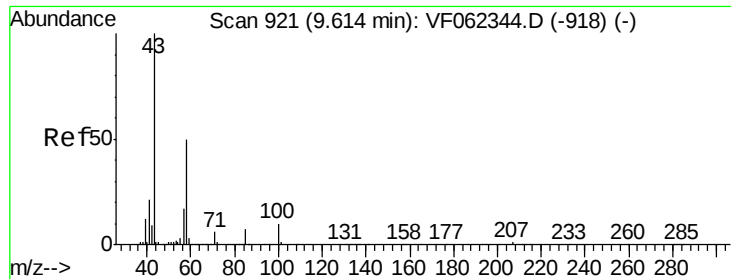
Tot Ion: 76 Resp: 13280
 Ion Ratio Lower Upper
 76 100
 78 33.7 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 26.249 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

Tgt Ion: 63 Resp: 14526
 Ion Ratio Lower Upper
 63 100
 106 32.5 25.8 38.8

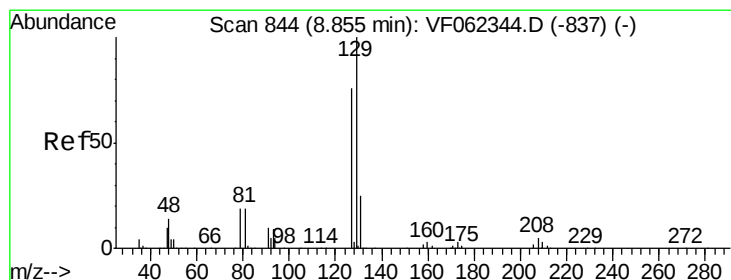
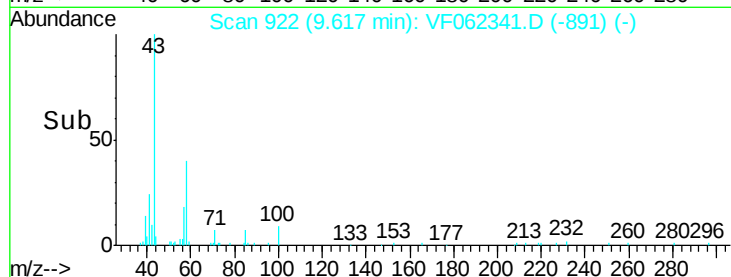
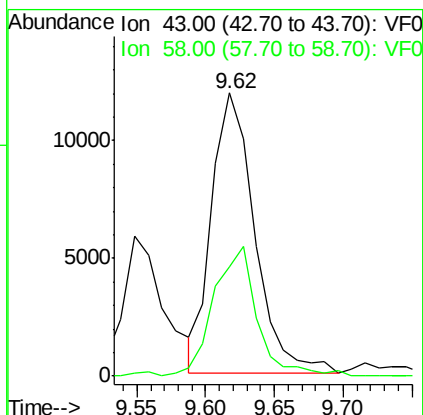
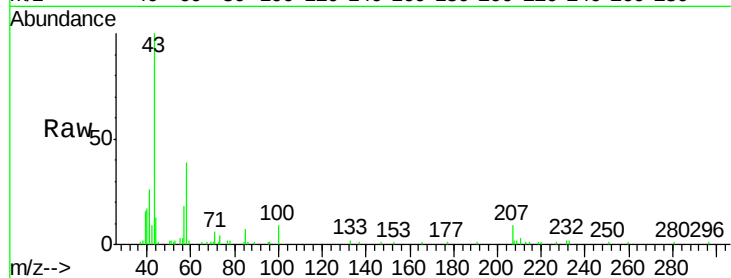




#59
2-Hexanone
Concen: 25.808 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

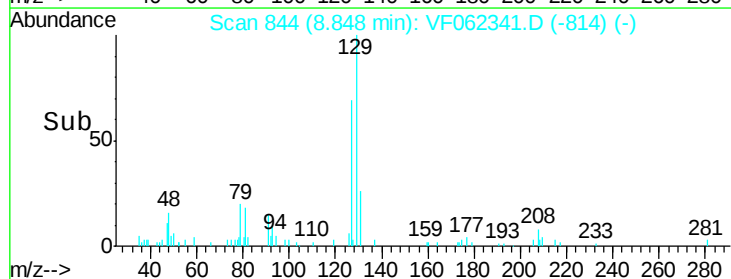
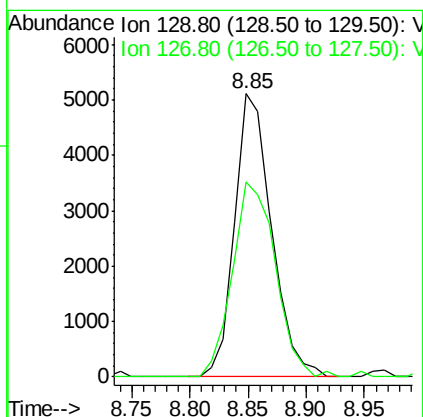
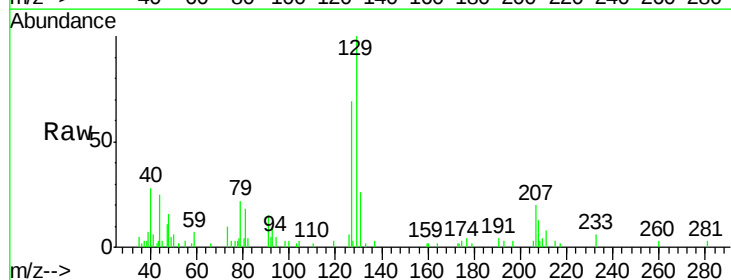
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

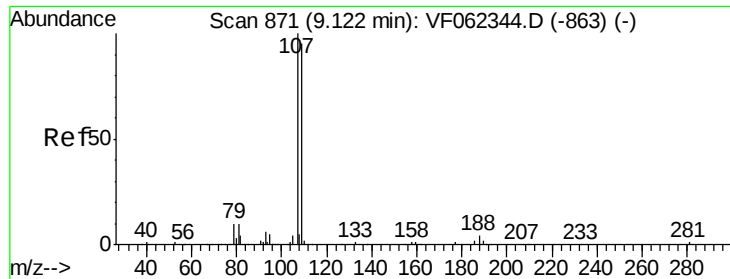
Tot Ion: 43 Resp: 25980
Ion Ratio Lower Upper
43 100
58 46.9 24.3 73.0



#60
Dibromochloromethane
Concen: 3.681 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

Tgt Ion: 129 Resp: 11237
Ion Ratio Lower Upper
129 100
127 80.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 5.080 ug/l

RT: 9.12 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

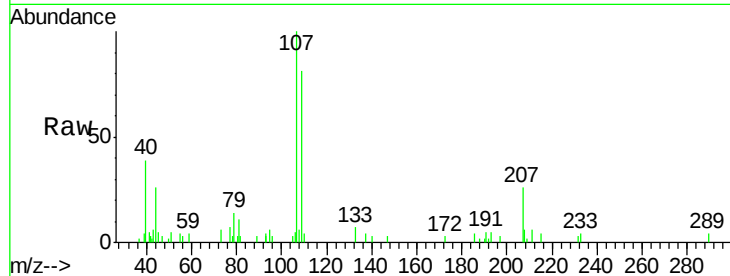
VSTDIC005

Tot Ion:107 Resp: 10811

Ion Ratio Lower Upper

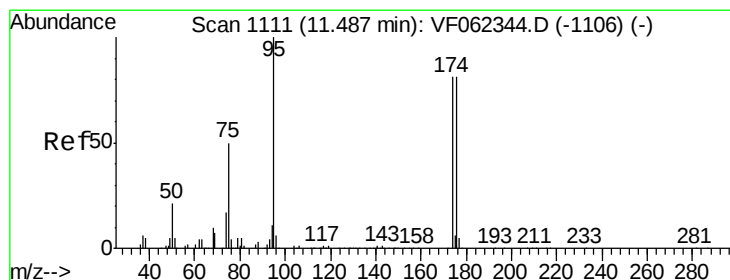
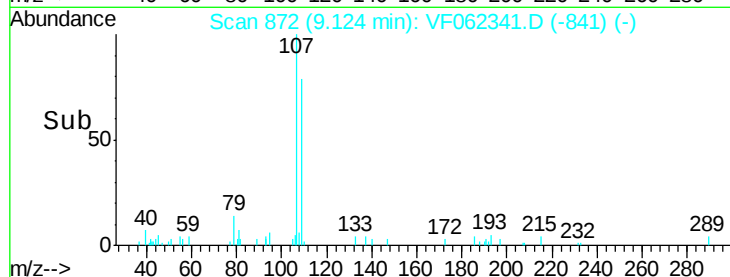
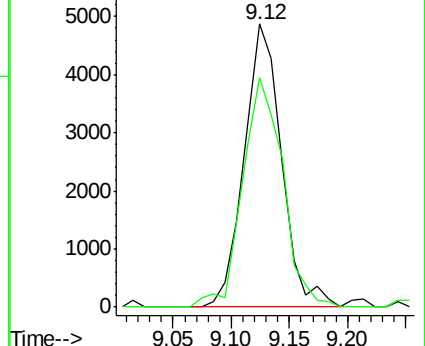
107 100

109 87.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.891 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

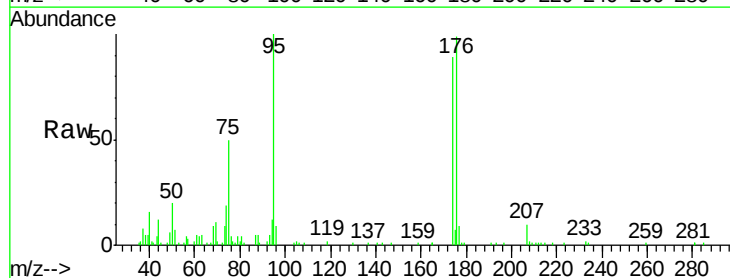
Tgt Ion: 95 Resp: 24006

Ion Ratio Lower Upper

95 100

174 89.4 0.0 191.8

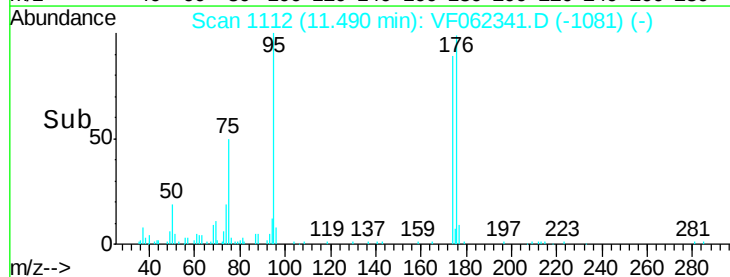
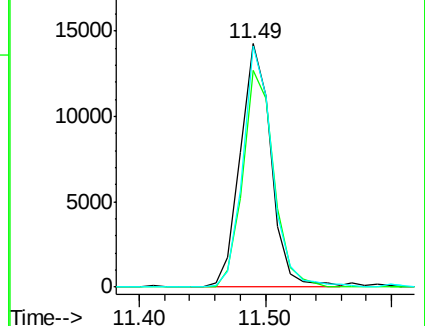
176 95.2 0.0 193.2

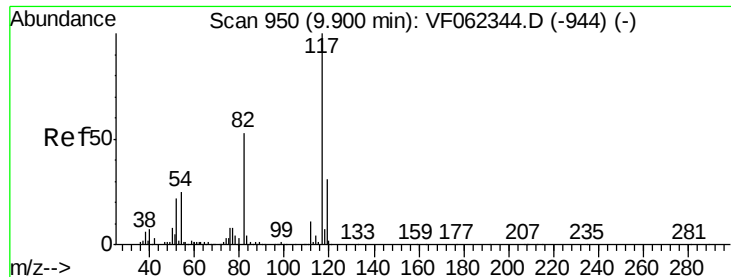


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 951

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

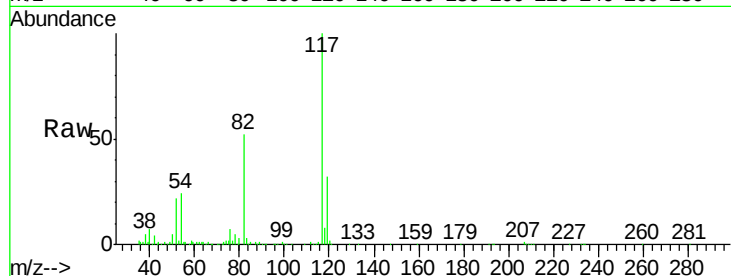
Tot Ion:117 Resp: 397794

Ion Ratio Lower Upper

117 100

82 51.7 42.2 63.2

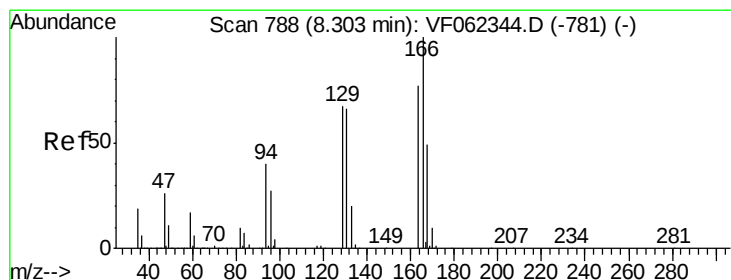
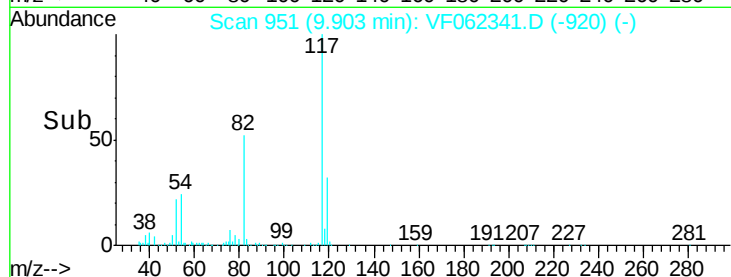
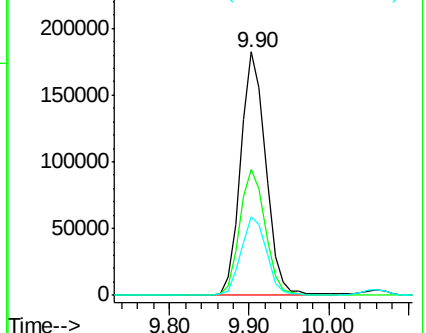
119 32.2 25.0 37.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 4.536 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Tgt Ion:164 Resp: 15456

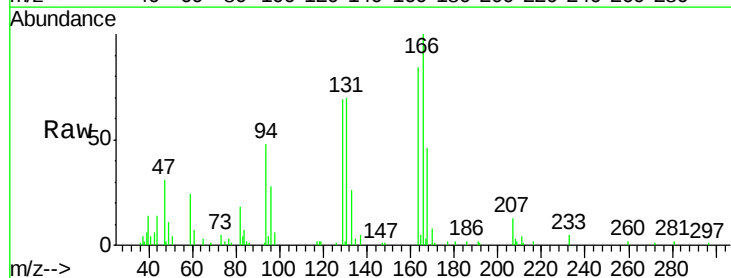
Ion Ratio Lower Upper

164 100

166 118.8 104.2 156.4

129 81.6 69.6 104.4

131 82.8 68.8 103.2

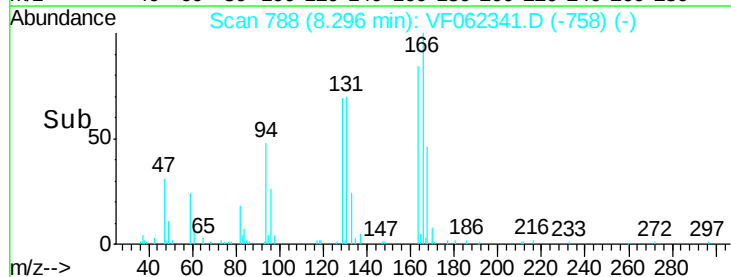
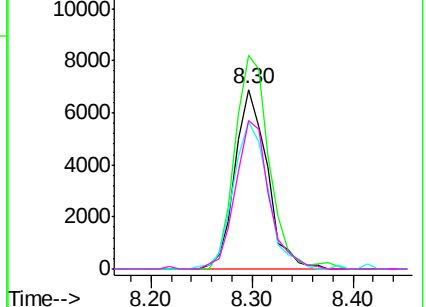


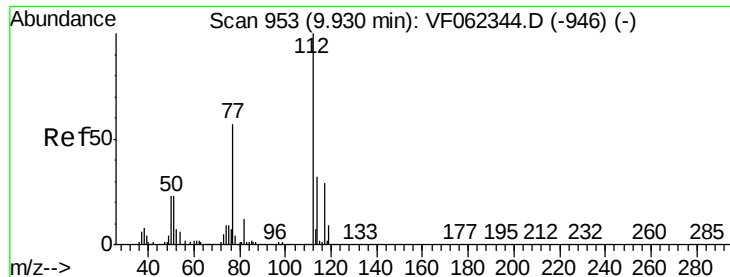
Abundance Ion 163.80 (163.50 to 164.50): V

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: 4.506 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

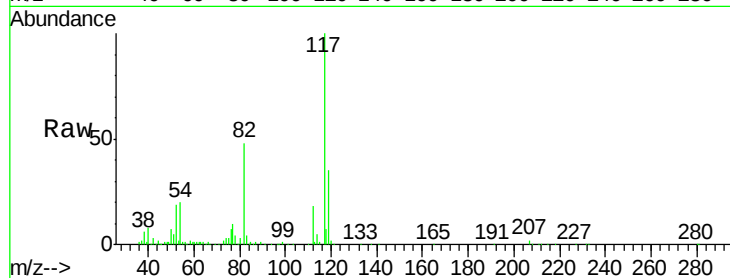
VSTDIC005

Tot Ion:112 Resp: 30914

Ion Ratio Lower Upper

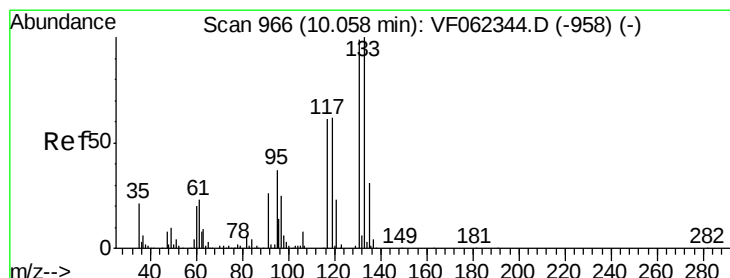
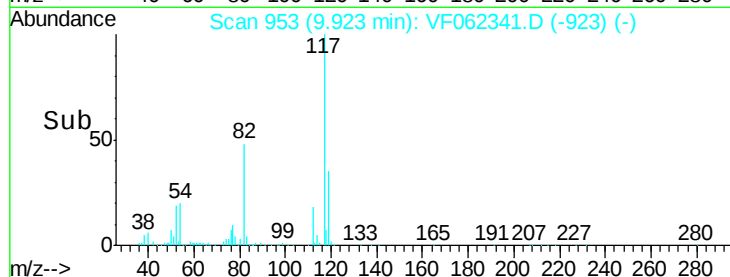
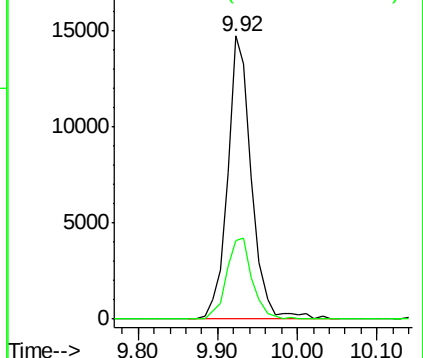
112 100

114 27.8 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.496 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

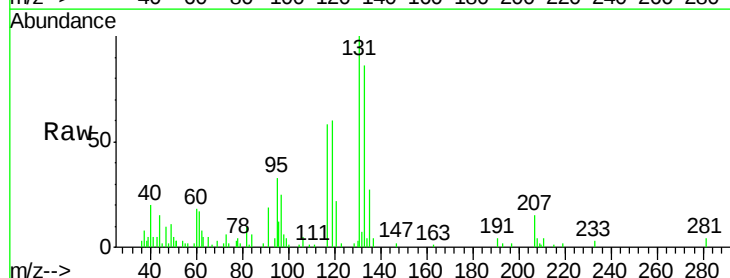
Tgt Ion:131 Resp: 15546

Ion Ratio Lower Upper

131 100

133 102.3 50.2 150.7

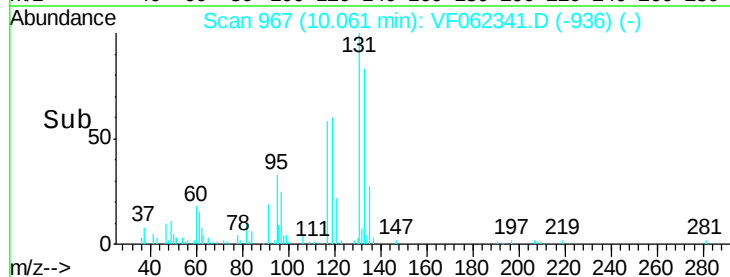
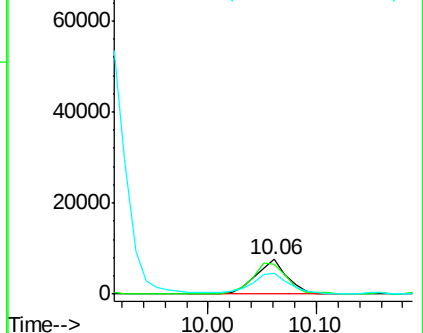
119 72.3 31.6 95.0

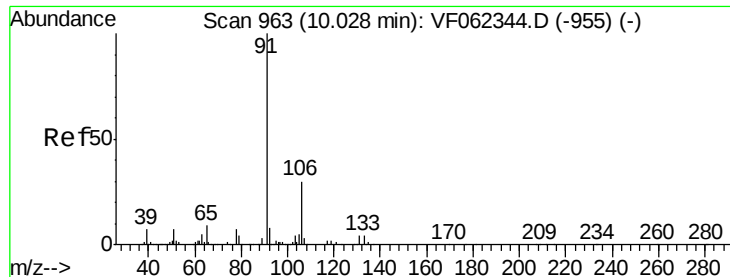


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 4.764 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

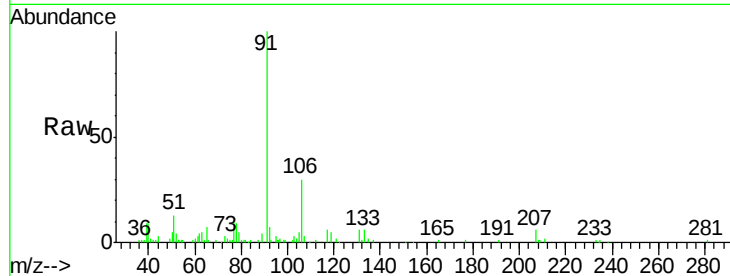
VSTDIC005

Tot Ion: 91 Resp: 57090

Ion Ratio Lower Upper

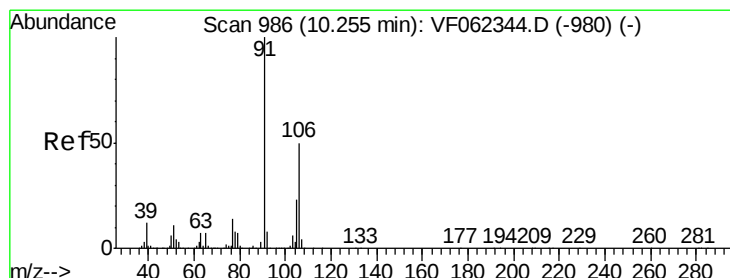
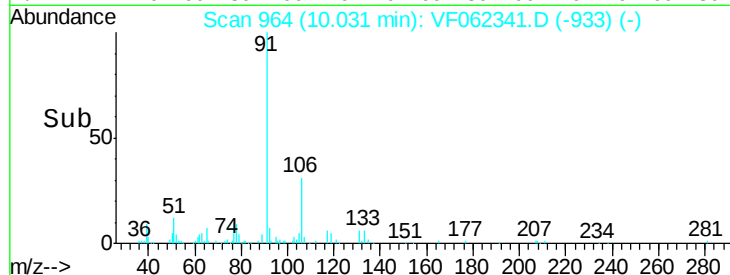
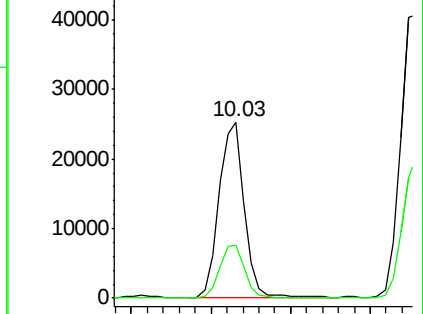
91 100

106 30.5 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 9.248 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF062341.D

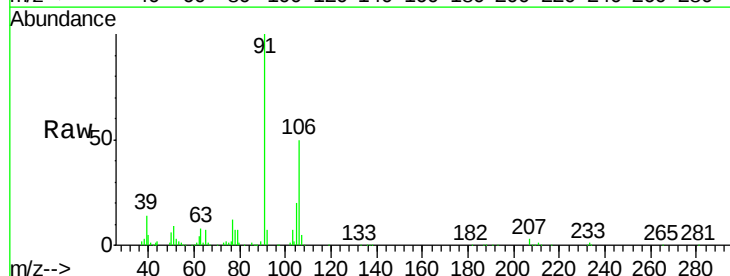
Acq: 6 May 2019 17:16

Tgt Ion: 106 Resp: 40765

Ion Ratio Lower Upper

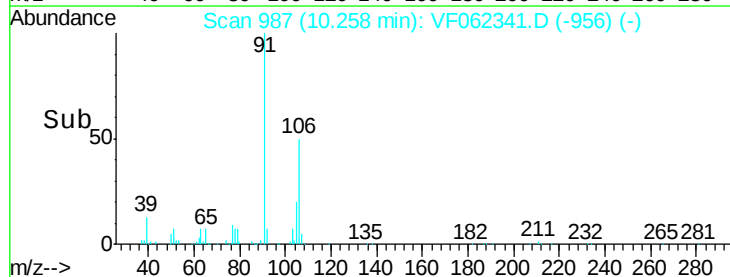
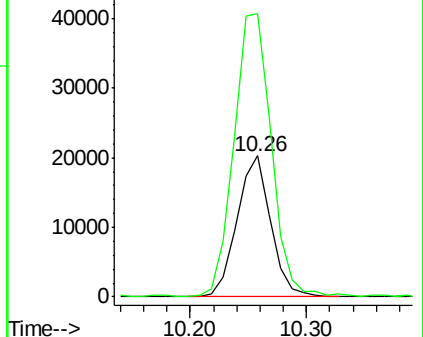
106 100

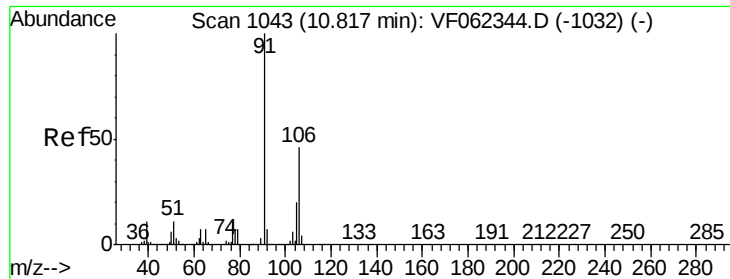
91 220.7 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

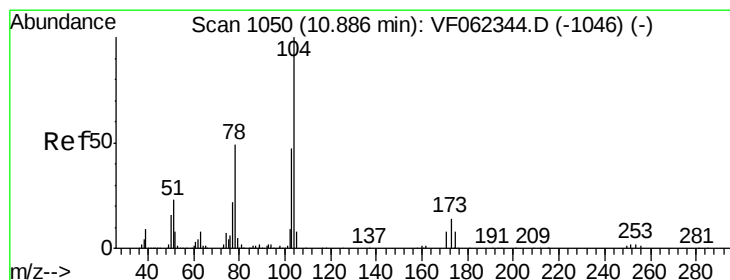
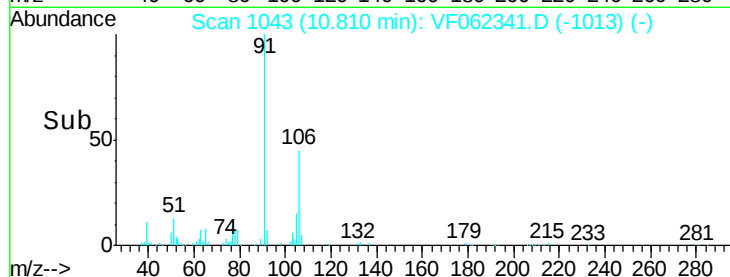
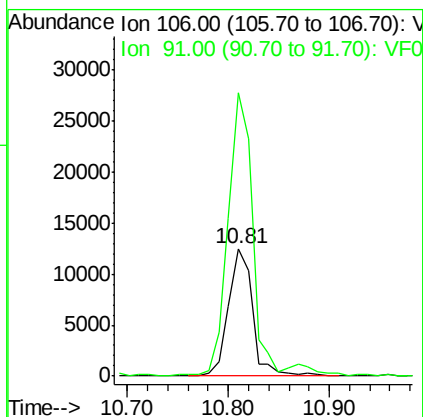
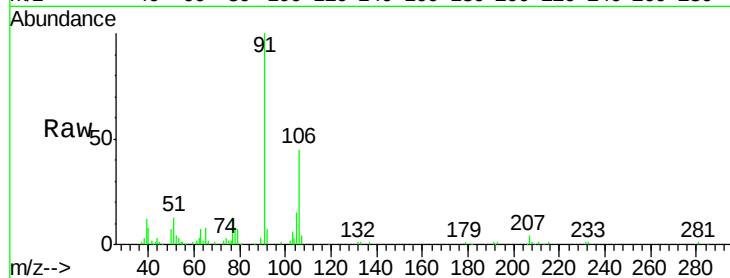




#69
o-Xylene
Concen: 4.283 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

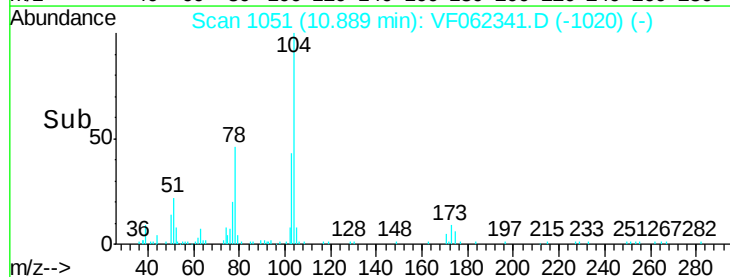
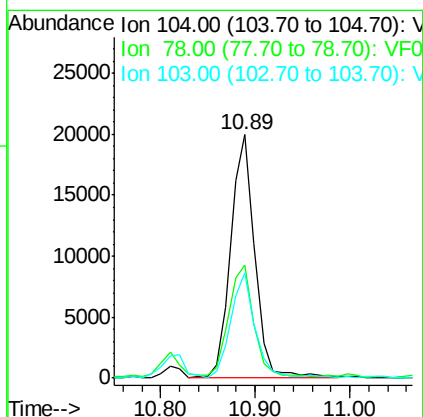
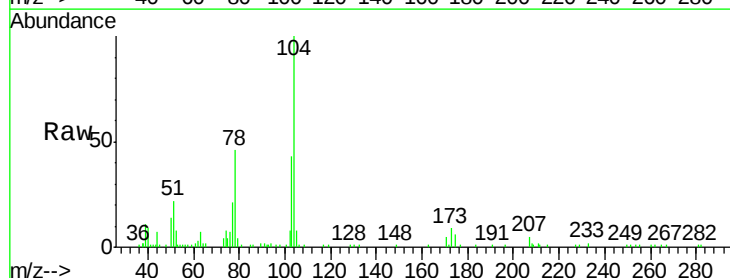
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

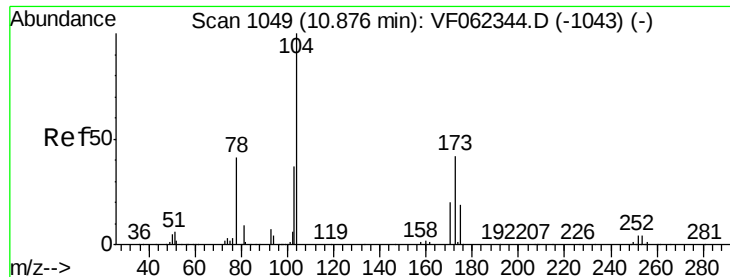
Tot Ion:106 Resp: 20861
Ion Ratio Lower Upper
106 100
91 223.8 111.3 333.8



#70
Styrene
Concen: 4.964 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

Tgt Ion:104 Resp: 35382
Ion Ratio Lower Upper
104 100
78 47.9 39.5 59.3
103 43.2 38.4 57.6





#71

Bromoform

Concen: 4.441 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

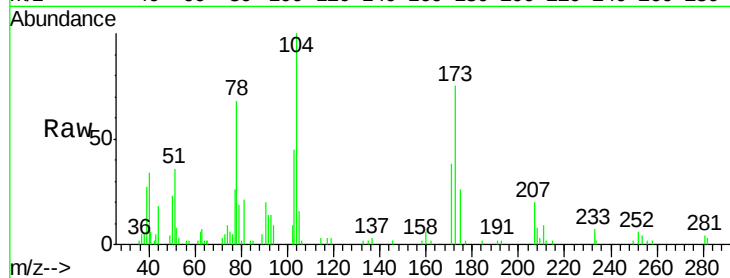
Tot Ion:173 Resp: 8428

Ion Ratio Lower Upper

173 100

175 49.7 23.8 71.2

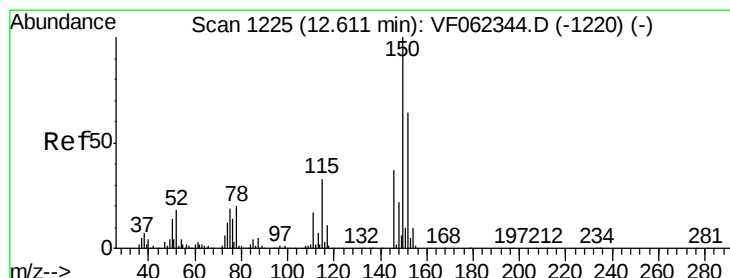
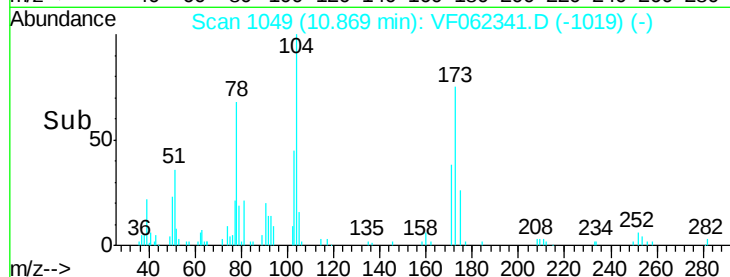
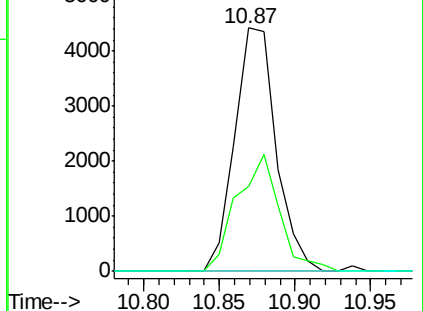
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

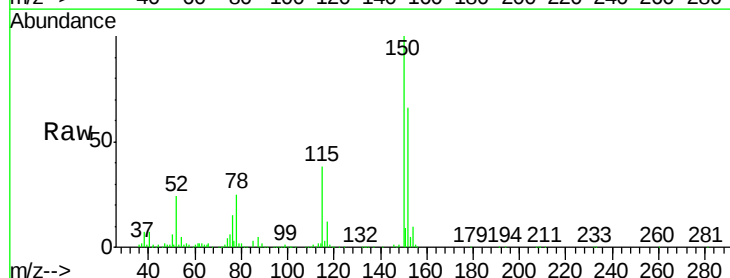
Tgt Ion:152 Resp: 247609

Ion Ratio Lower Upper

152 100

115 55.3 26.4 79.2

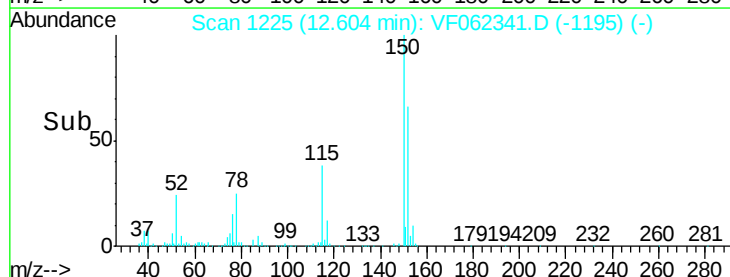
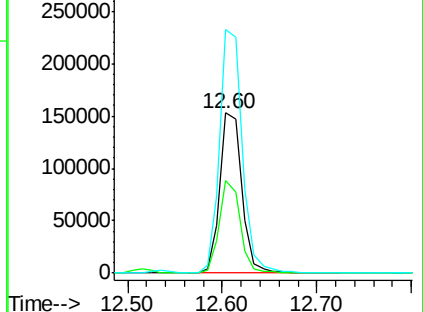
150 156.1 0.0 335.0

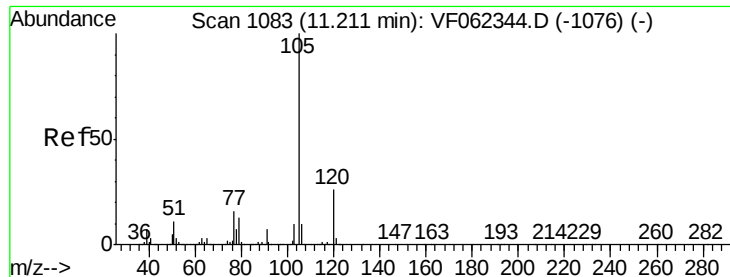


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.732 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

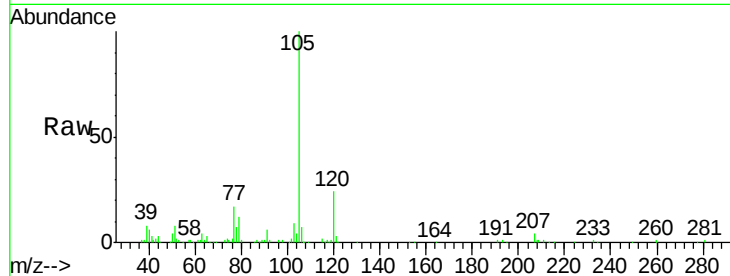
VSTDIC005

Tot Ion:105 Resp: 71688

Ion Ratio Lower Upper

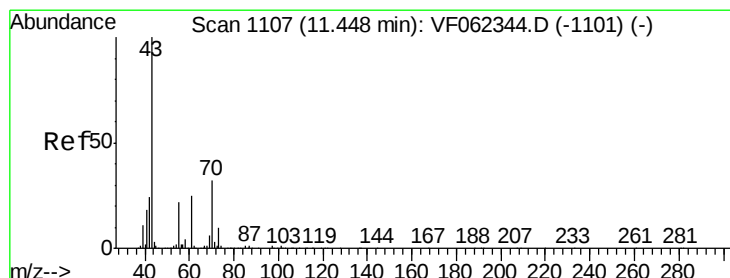
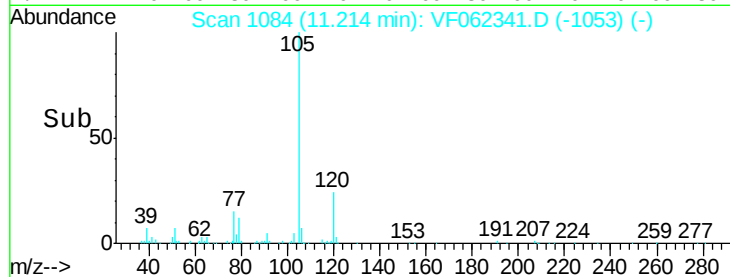
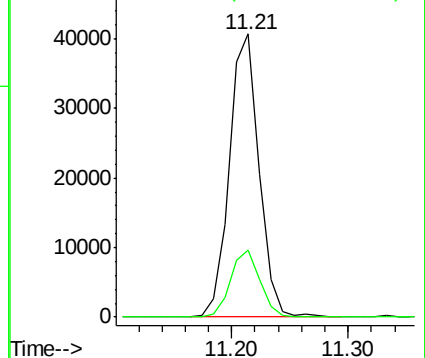
105 100

120 23.5 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.650 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Tgt Ion: 43 Resp: 15409

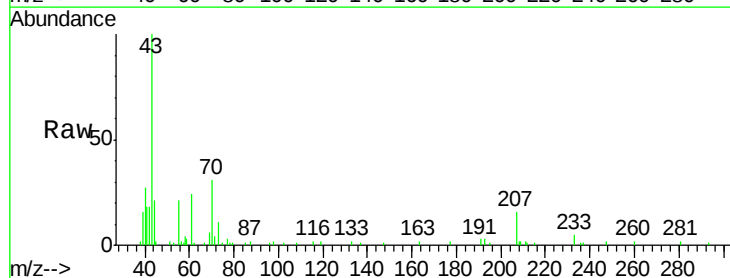
Ion Ratio Lower Upper

43 100

70 34.9 26.5 39.7

55 28.3 17.8 26.6#

61 24.4 20.2 30.2

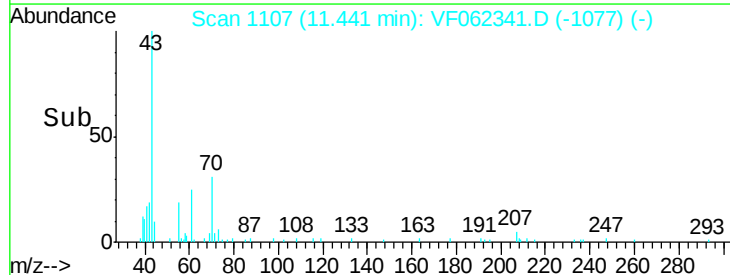
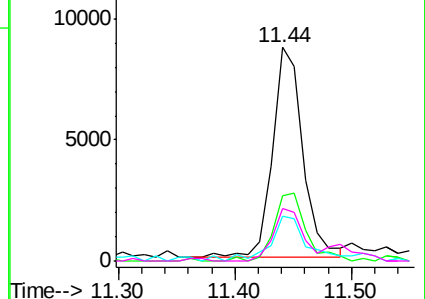


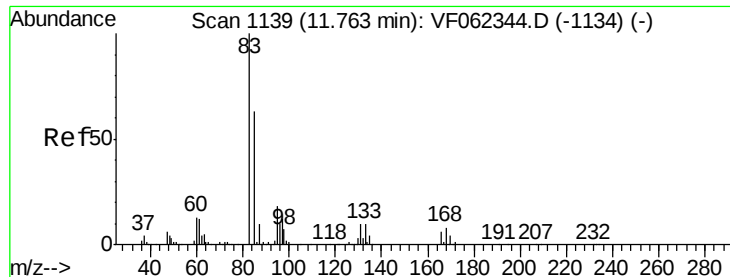
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.330 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

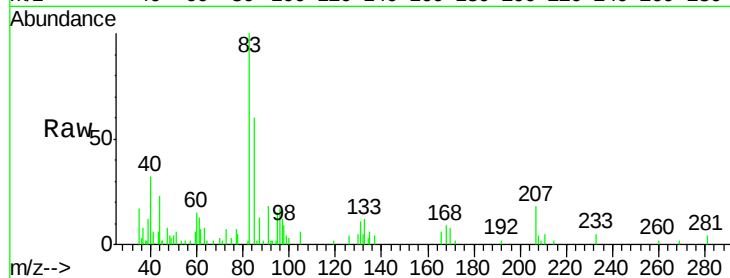
Tot Ion: 83 Resp: 10393

Ion Ratio Lower Upper

83 100

131 9.6 5.8 17.4

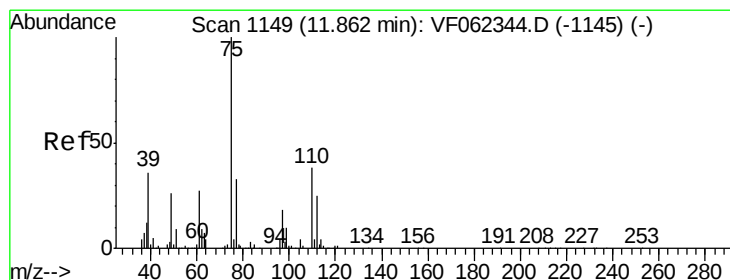
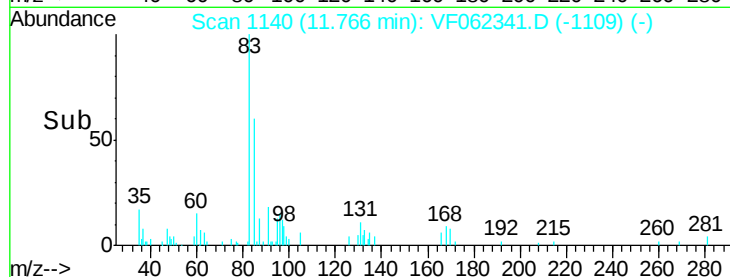
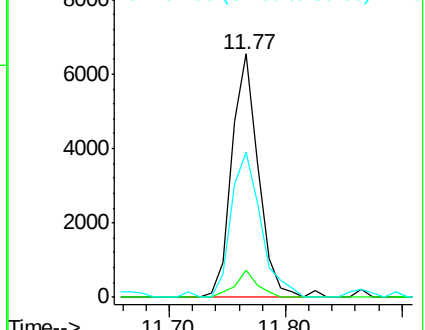
85 67.2 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 5.167 ug/l

RT: 11.86 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VF062341.D

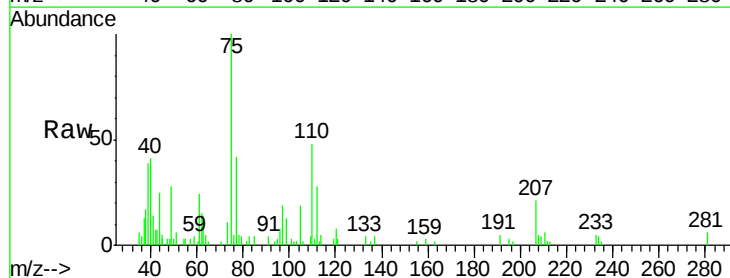
Acq: 6 May 2019 17:16

Tgt Ion: 75 Resp: 9229

Ion Ratio Lower Upper

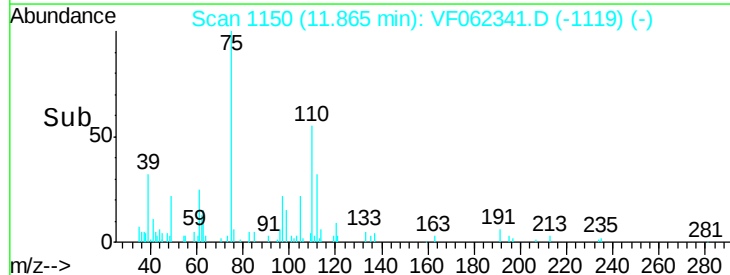
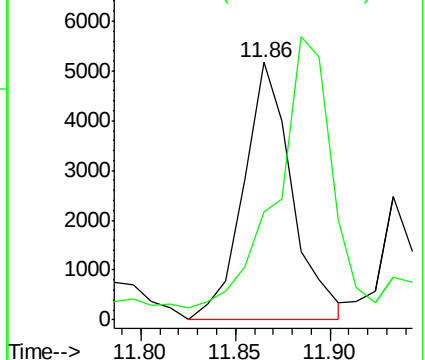
75 100

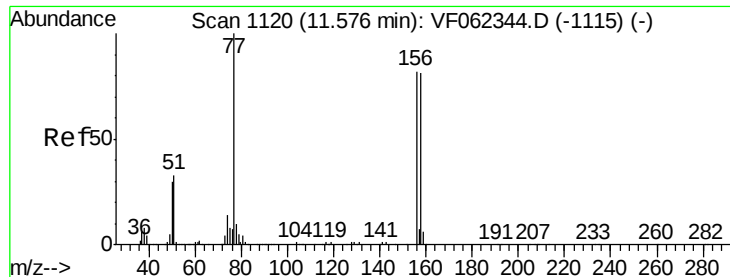
77 118.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 4.638 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

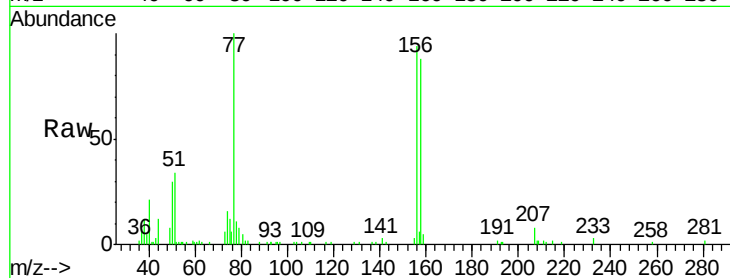
Tot Ion:156 Resp: 18324

Ion Ratio Lower Upper

156 100

77 129.7 64.8 194.3

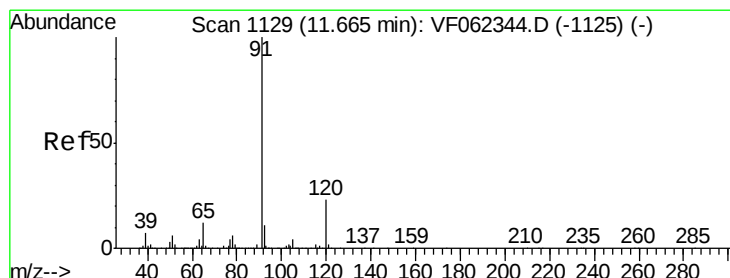
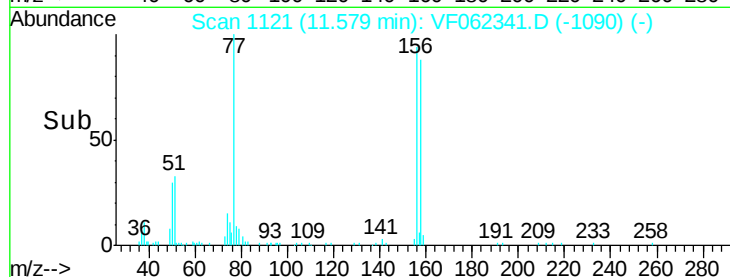
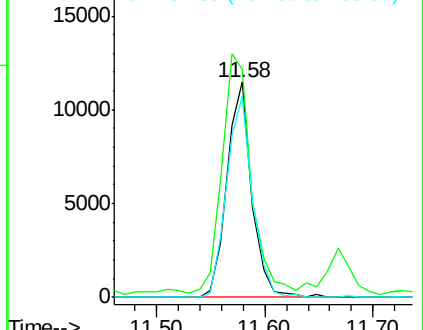
158 97.5 49.1 147.3



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: 4.810 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF062341.D

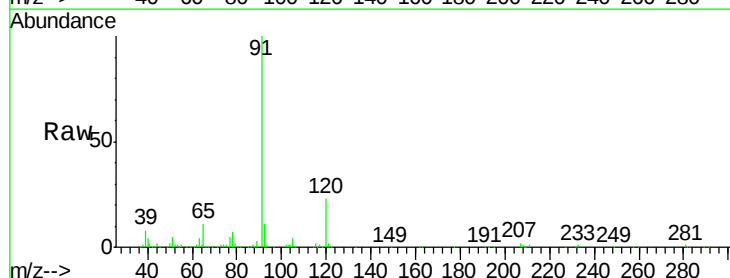
Acq: 6 May 2019 17:16

Tgt Ion: 91 Resp: 77444

Ion Ratio Lower Upper

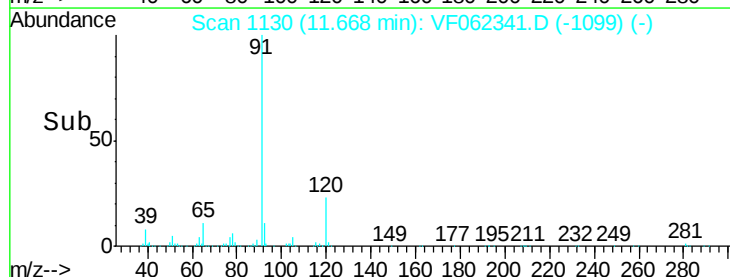
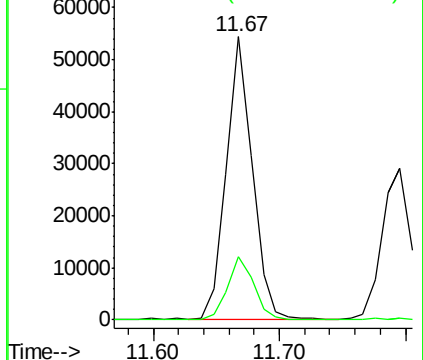
91 100

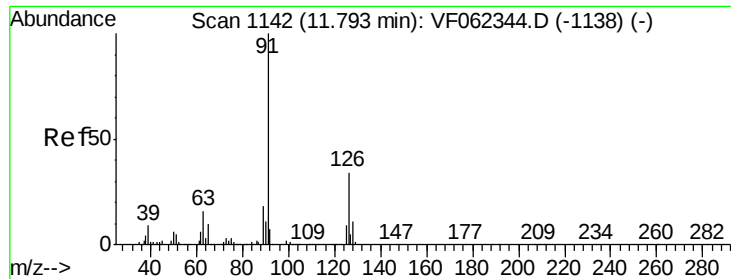
120 23.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

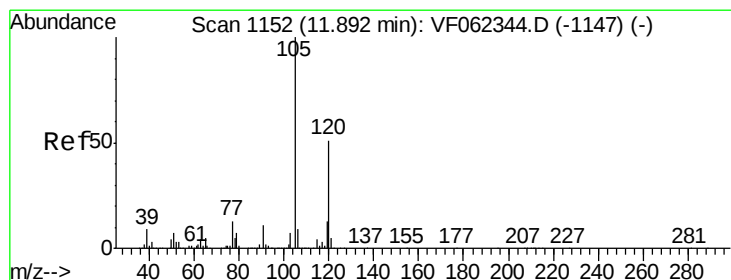
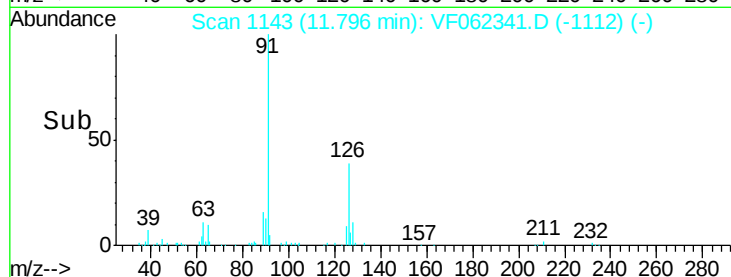
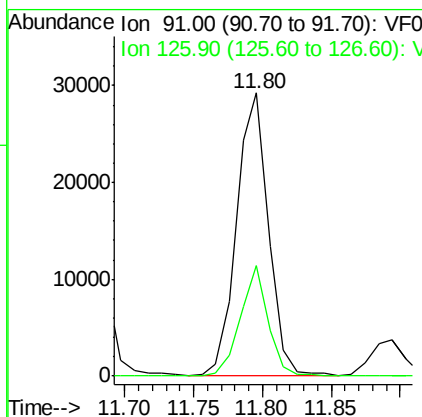
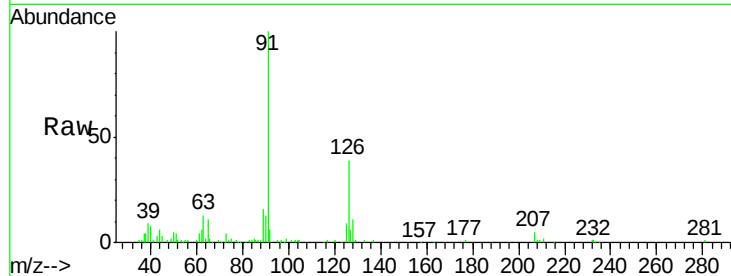




#79
 2-Chlorotoluene
 Concen: 4.699 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

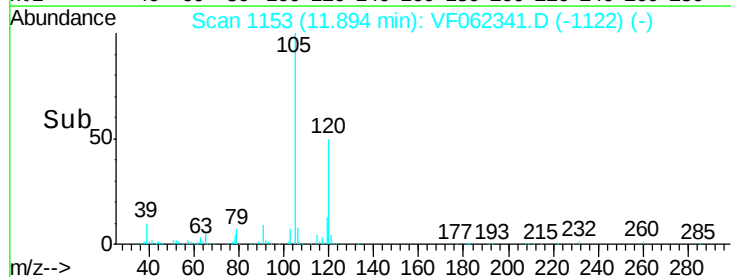
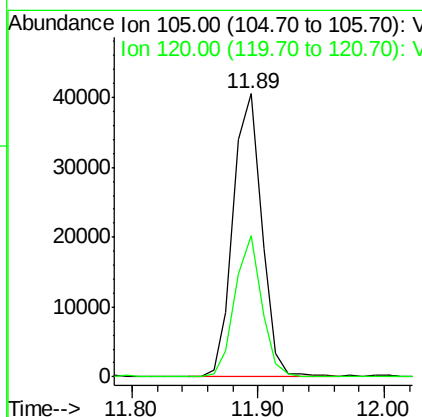
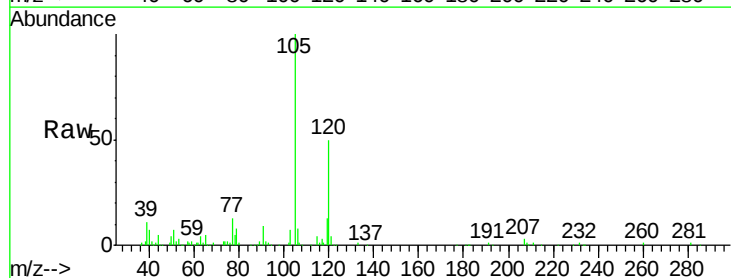
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

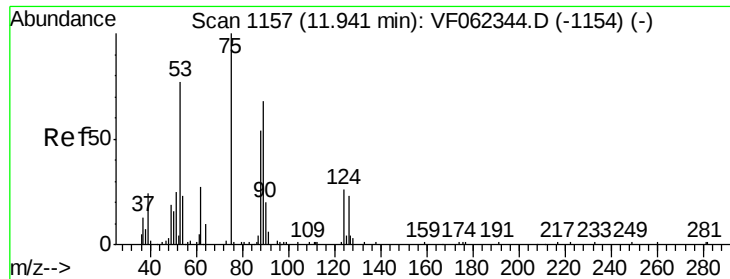
Tot Ion: 91 Resp: 47198
 Ion Ratio Lower Upper
 91 100
 126 34.1 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 4.807 ug/l
 RT: 11.89 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

Tgt Ion: 105 Resp: 63858
 Ion Ratio Lower Upper
 105 100
 120 46.8 24.6 74.0

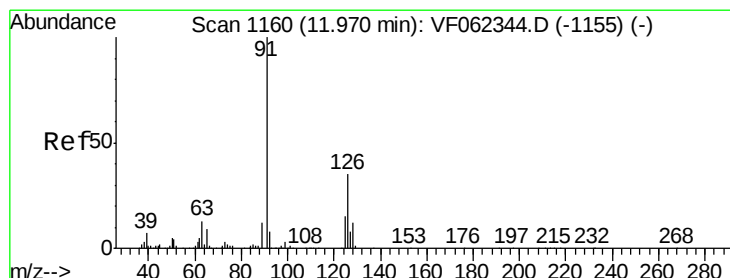
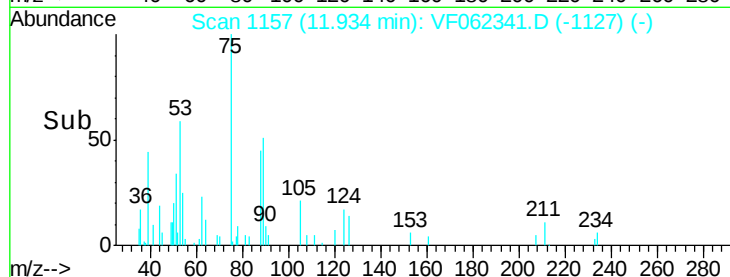
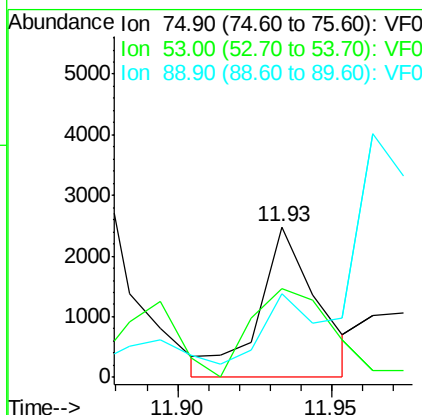
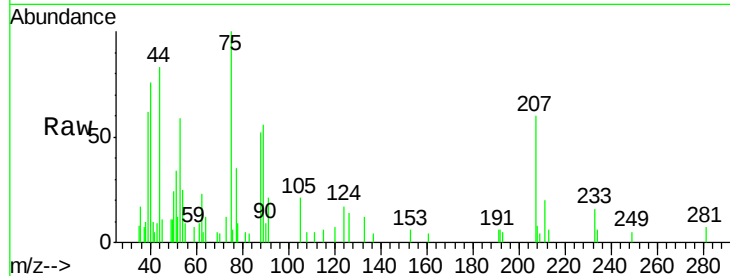




#81
trans-1,4-Dichloro-2-butene
Concen: 5.031 ug/l m
RT: 11.93 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

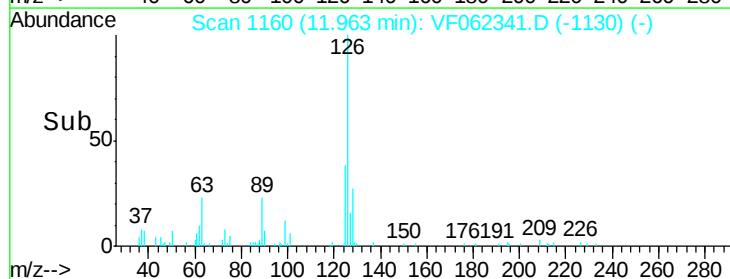
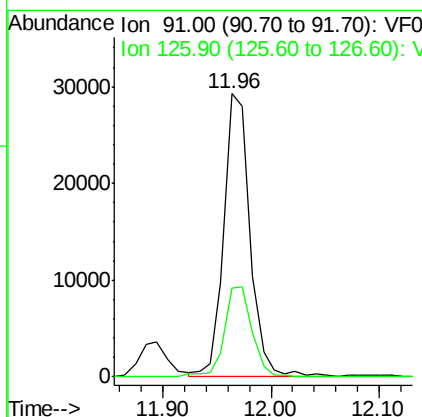
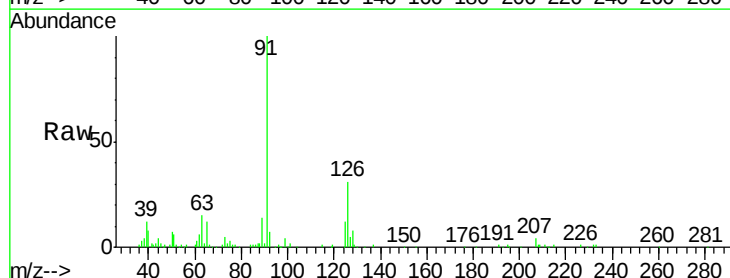
Instrument :
MSVOA_F
ClientSampled :
VSTDIC005

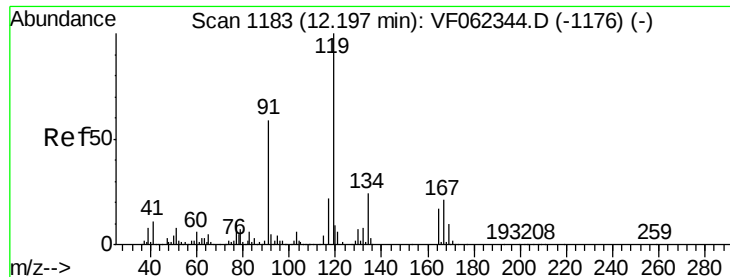
Tot Ion: 75 Resp: 3240
Ion Ratio Lower Upper
75 100
53 85.3 71.9 107.9
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 5.042 ug/l
RT: 11.96 min Scan# 1160
Delta R.T. -0.01 min
Lab File: VF062341.D
Acq: 6 May 2019 17:16

Tgt Ion: 91 Resp: 49828
Ion Ratio Lower Upper
91 100
126 33.4 17.7 53.1





#83

tert-Butylbenzene

Concen: 4.539 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

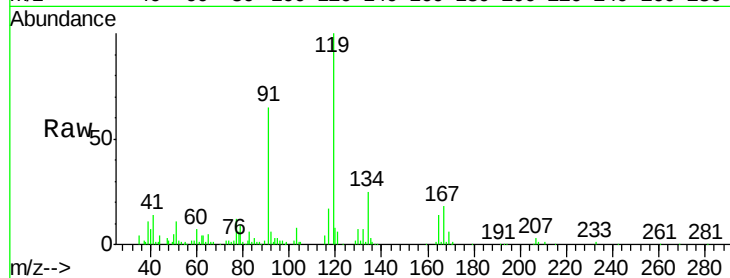
Tot Ion:119 Resp: 63134

Ion Ratio Lower Upper

119 100

91 63.0 30.4 91.3

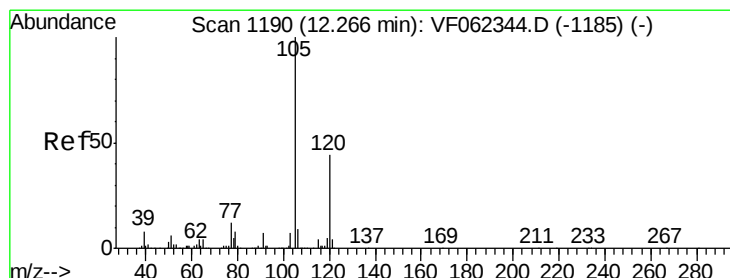
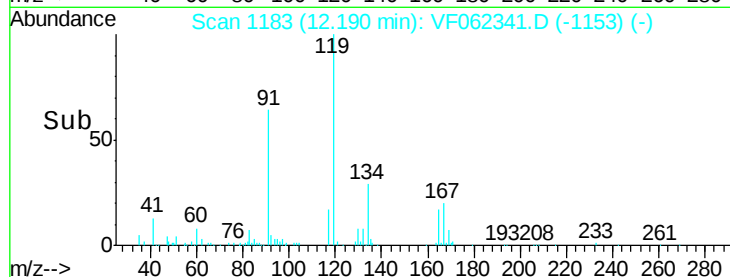
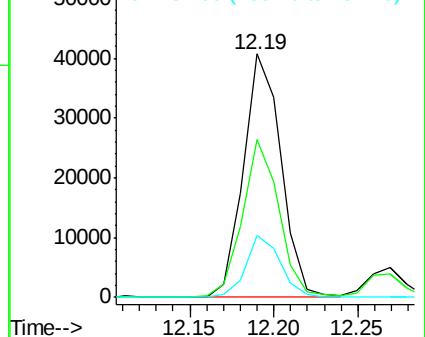
134 23.2 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.763 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VF062341.D

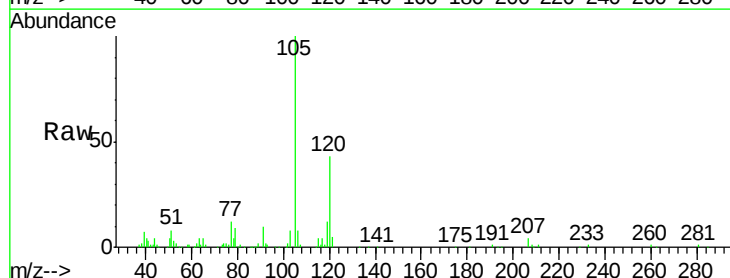
Acq: 6 May 2019 17:16

Tgt Ion:105 Resp: 61724

Ion Ratio Lower Upper

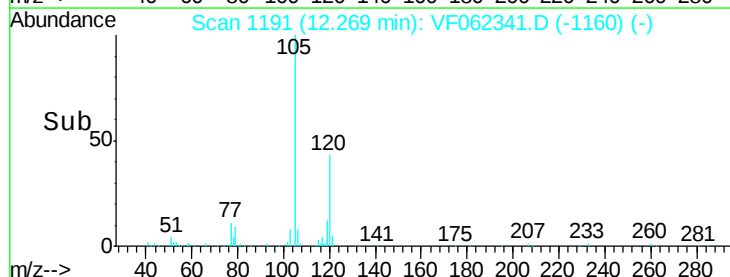
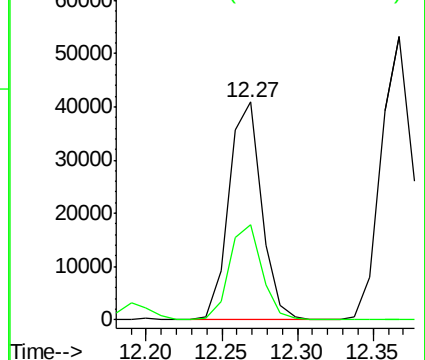
105 100

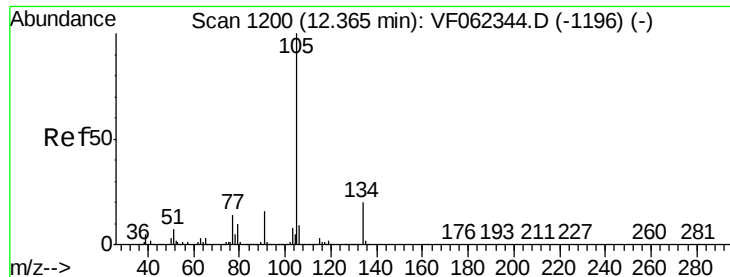
120 43.2 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.611 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

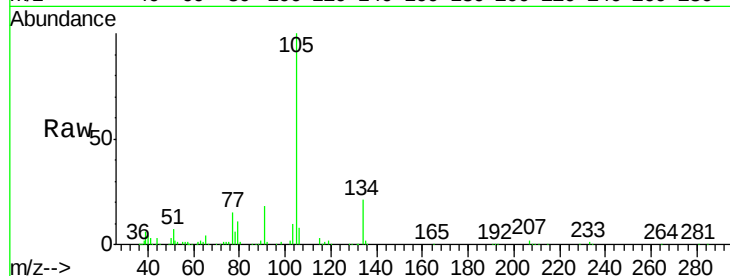
VSTDIC005

Tot Ion:105 Resp: 78850

Ion Ratio Lower Upper

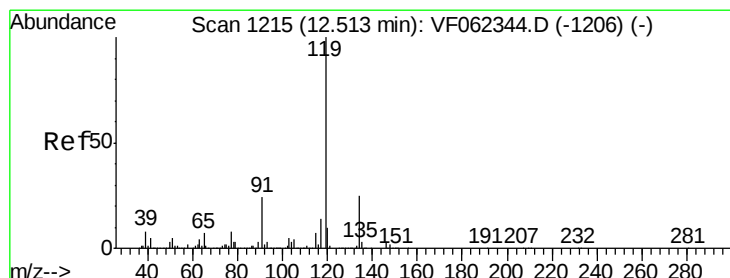
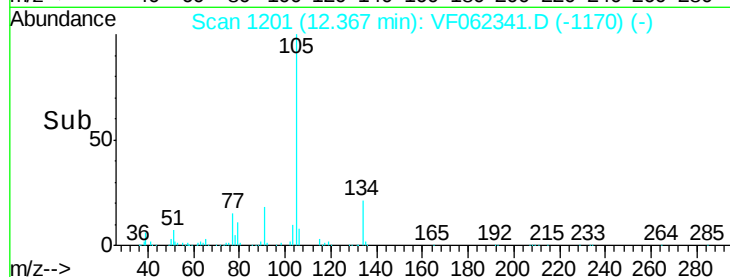
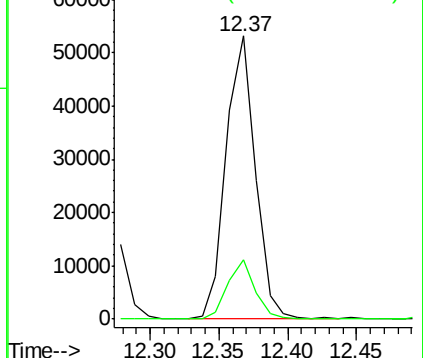
105 100

134 19.7 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: 4.693 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

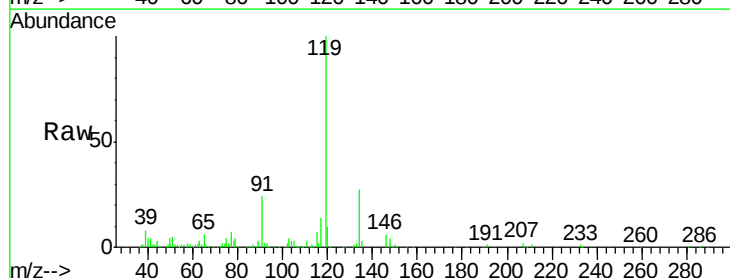
Tgt Ion:119 Resp: 74322

Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

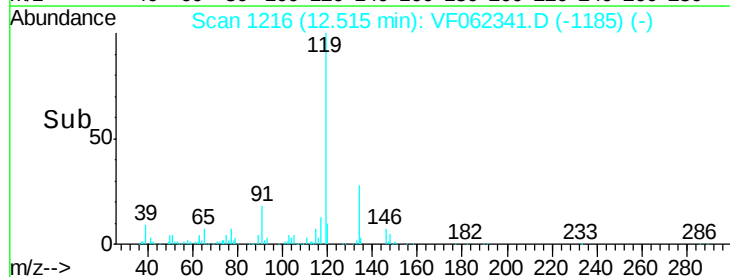
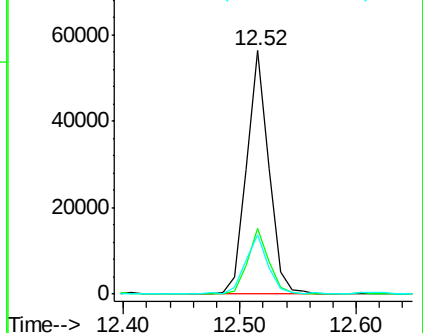
91 25.3 12.3 36.8

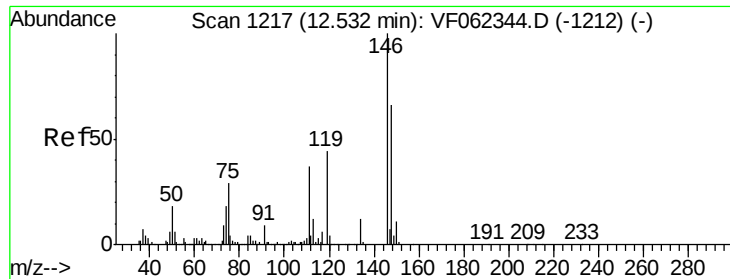


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

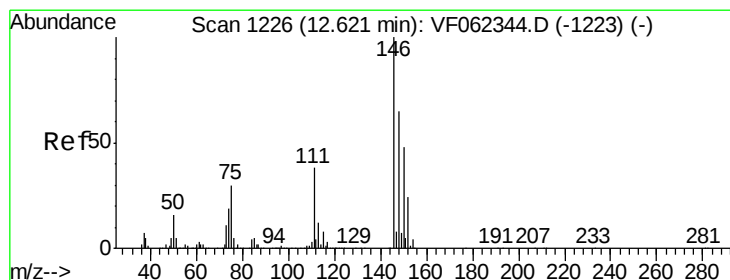
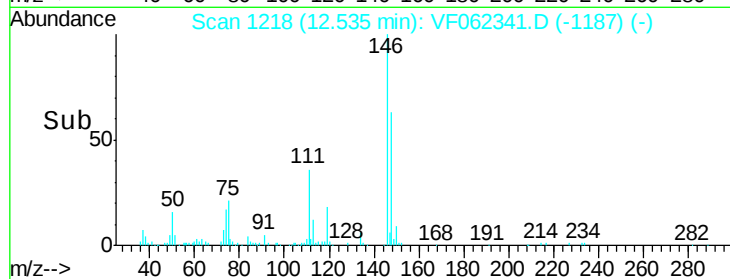
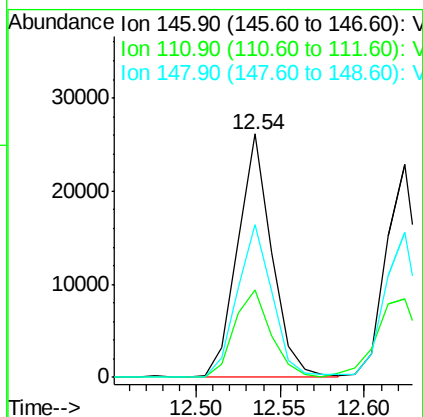
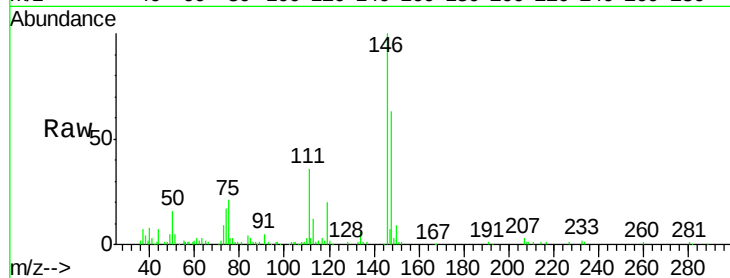




#87
 1,3-Dichlorobenzene
 Concen: 5.106 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

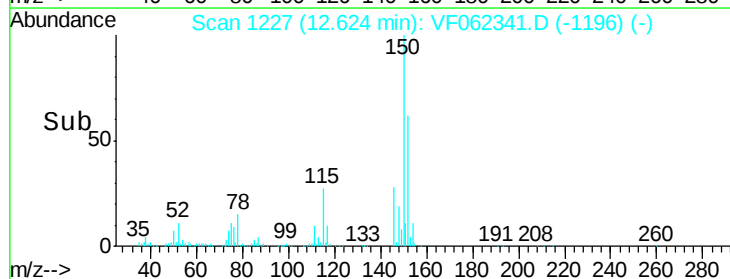
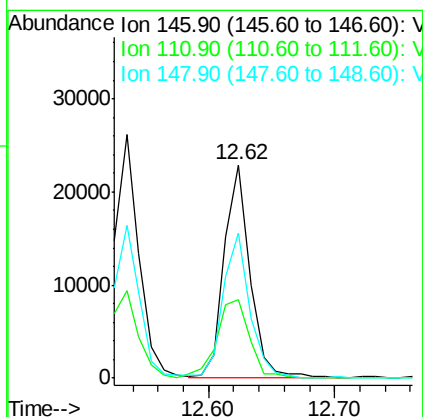
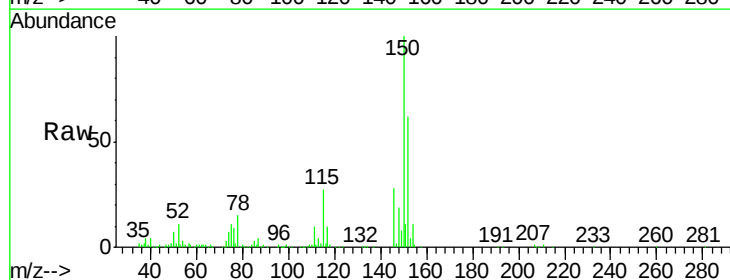
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

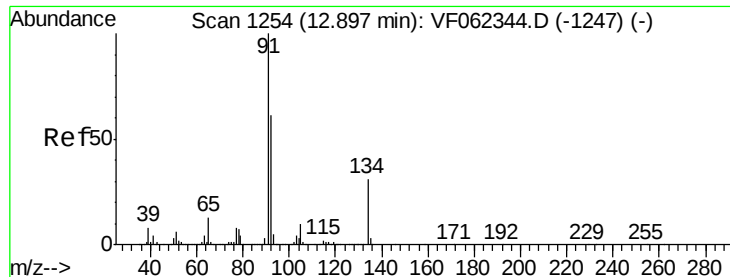
Tot Ion:146 Resp: 36942
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.3 54.8
 148 64.8 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 4.624 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

Tgt Ion:146 Resp: 32615
 Ion Ratio Lower Upper
 146 100
 111 46.5 18.8 56.3
 148 70.2 32.2 96.6





#89

n-Butylbenzene

Concen: 4.799 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

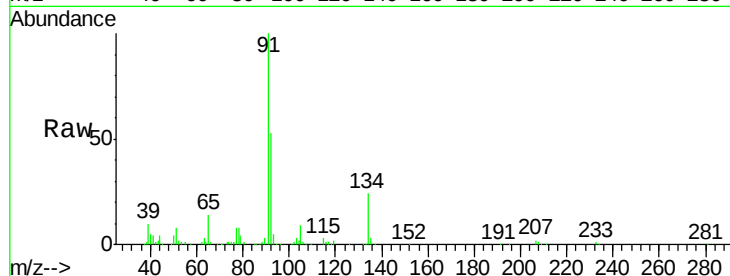
Tot Ion: 91 Resp: 68008

Ion Ratio Lower Upper

91 100

92 56.3 30.0 90.0

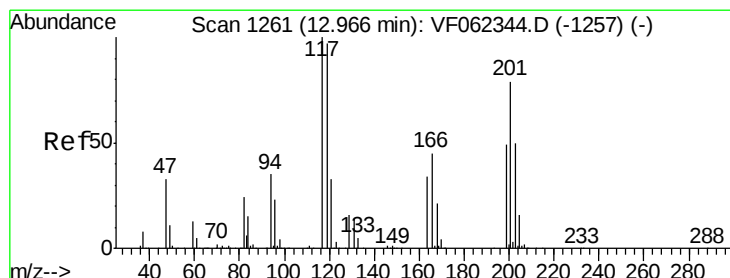
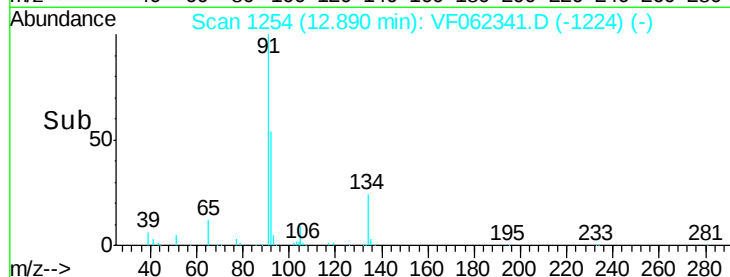
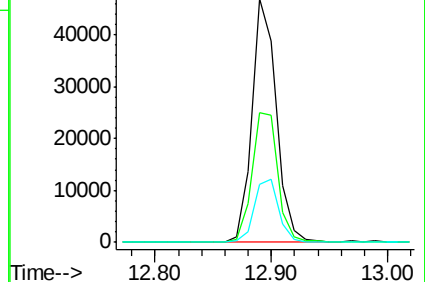
134 26.2 14.1 42.4



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: 4.275 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VF062341.D

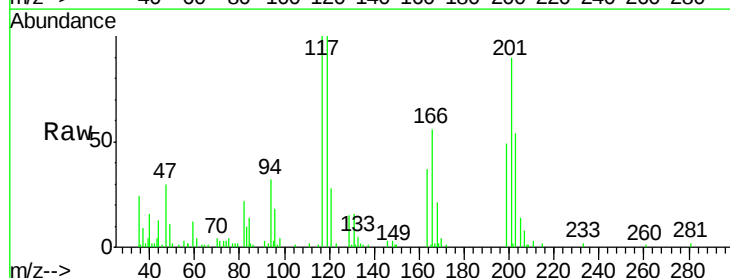
Acq: 6 May 2019 17:16

Tgt Ion: 117 Resp: 16831

Ion Ratio Lower Upper

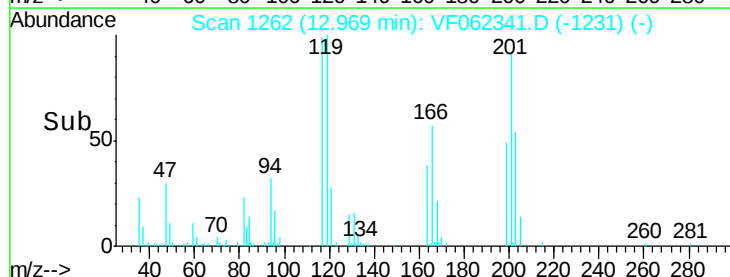
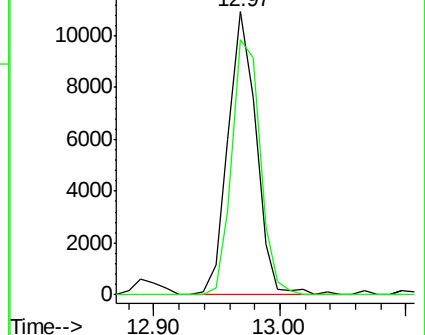
117 100

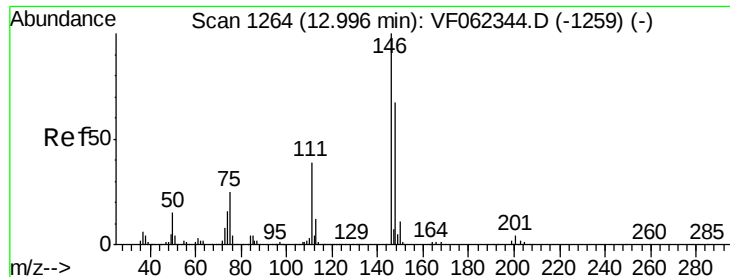
201 90.7 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 4.902 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

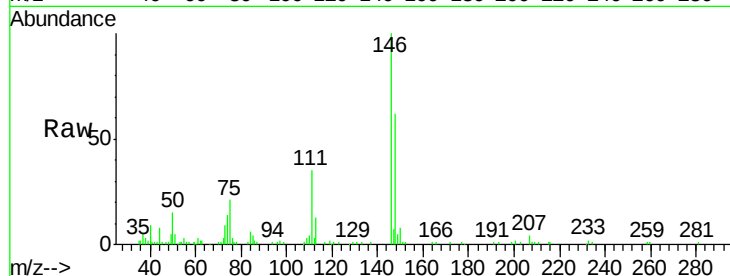
Tot Ion:146 Resp: 34519

Ion Ratio Lower Upper

146 100

111 38.3 20.0 60.0

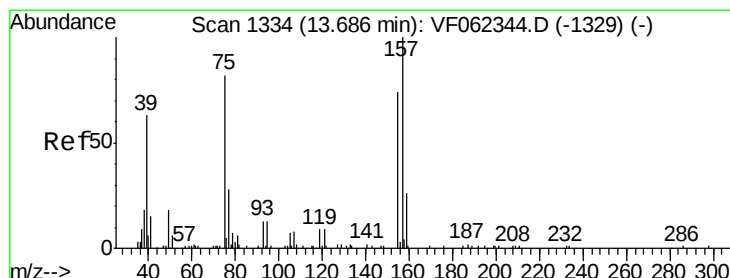
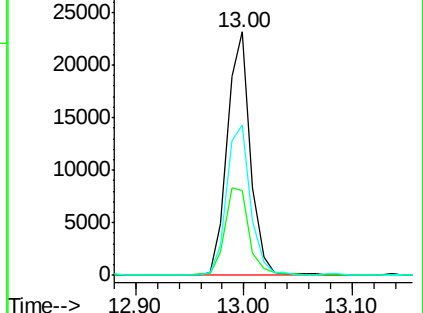
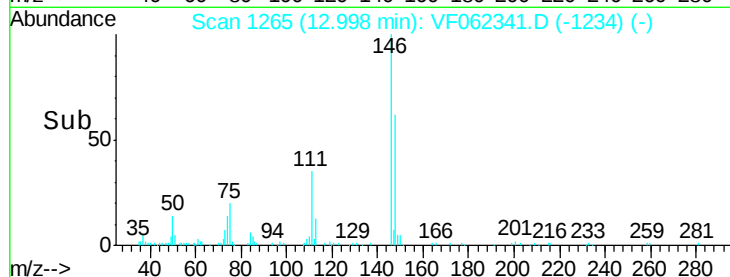
148 63.6 33.1 99.5



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: 4.542 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

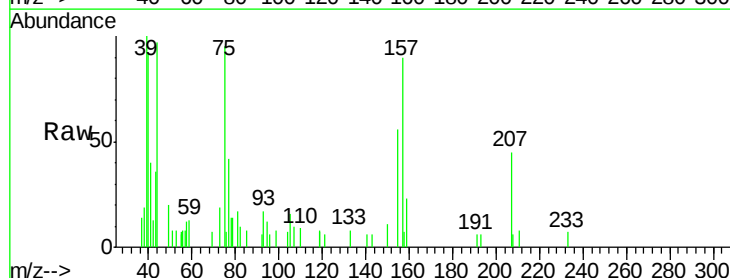
Tgt Ion: 75 Resp: 2400

Ion Ratio Lower Upper

75 100

155 64.2 51.8 155.4

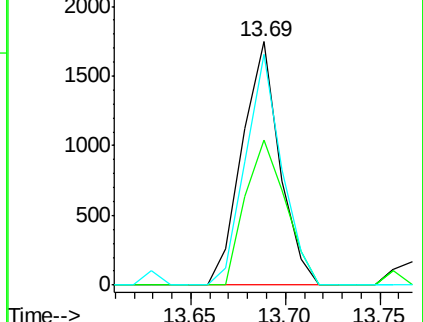
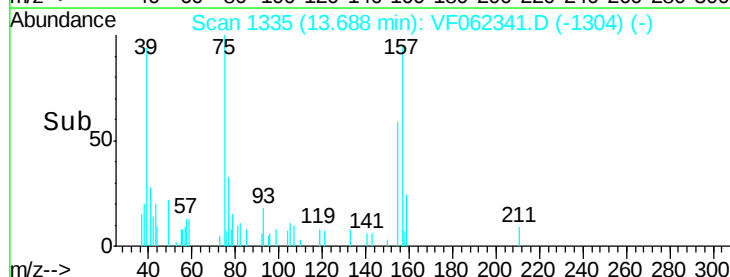
157 91.9 67.3 201.8

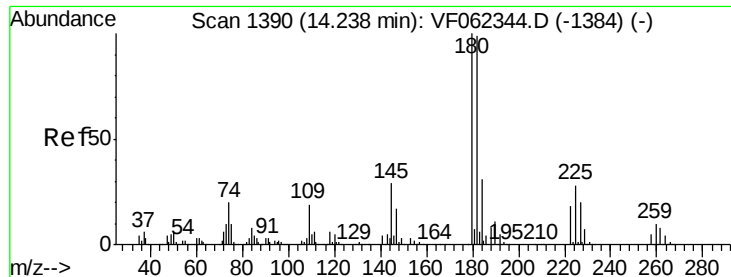


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

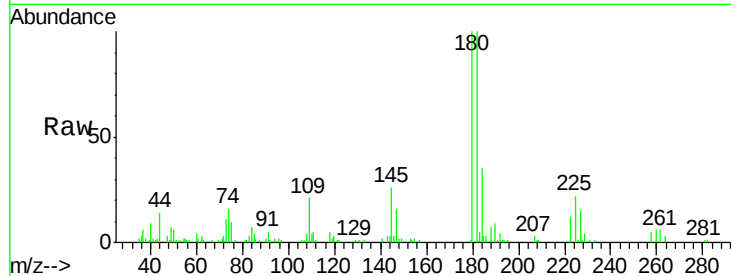




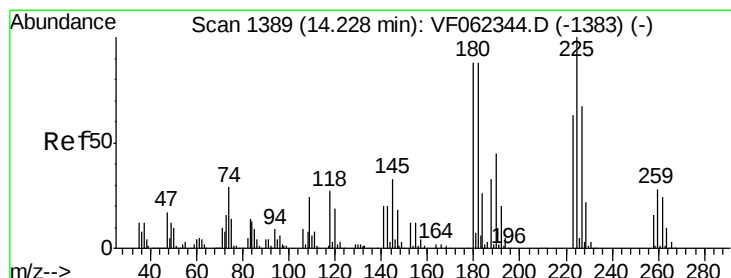
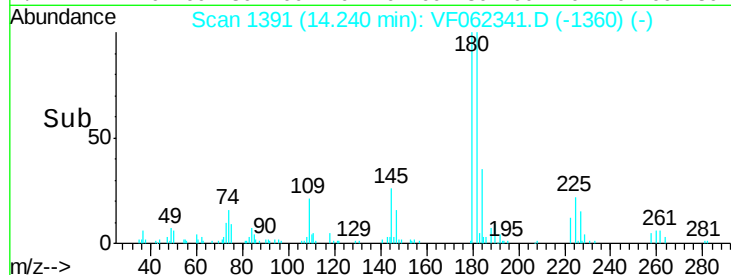
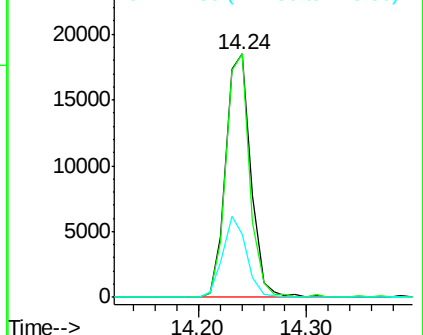
#93
 1,2,4-Trichlorobenzene
 Concen: 4.667 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 29932
 Ion Ratio Lower Upper
 180 100
 182 94.0 49.0 147.0
 145 31.4 16.7 50.1

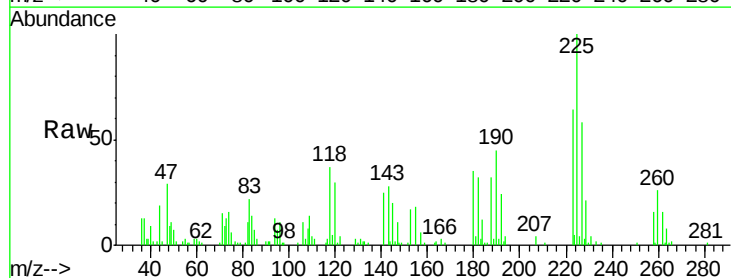


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

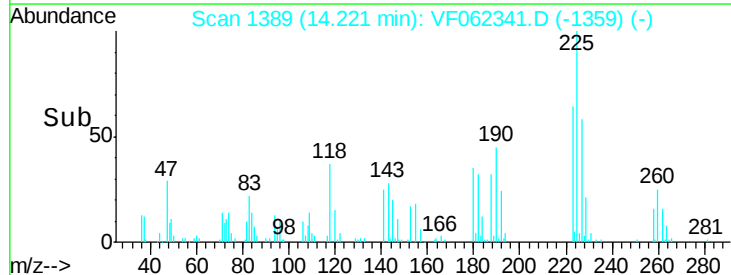
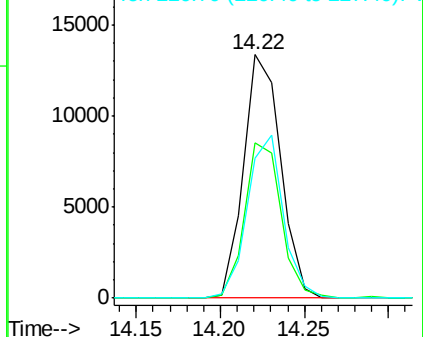


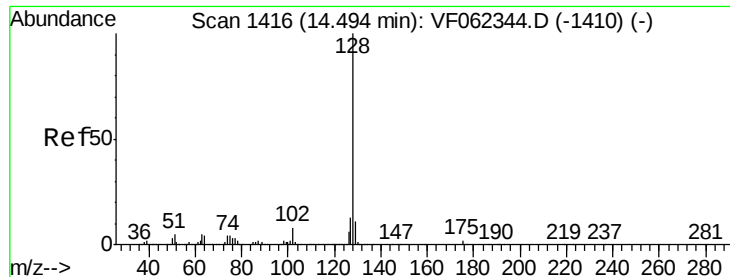
#94
 Hexachlorobutadiene
 Concen: 4.250 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062341.D
 Acq: 6 May 2019 17:16

Tgt Ion:225 Resp: 20439
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.9 95.5
 227 65.0 33.1 99.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.064 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Instrument :

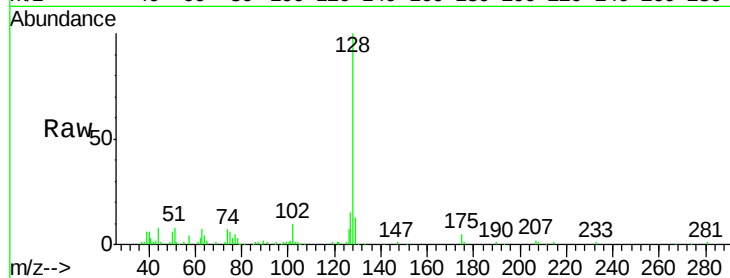
MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:128 Resp: 39013

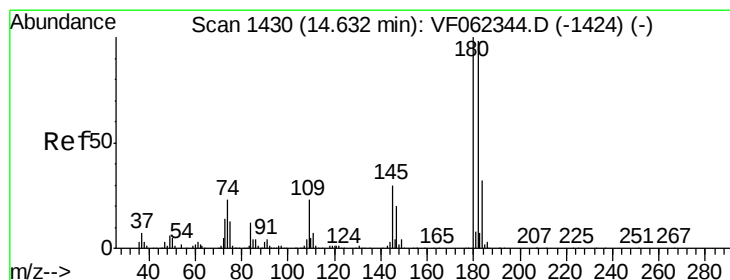
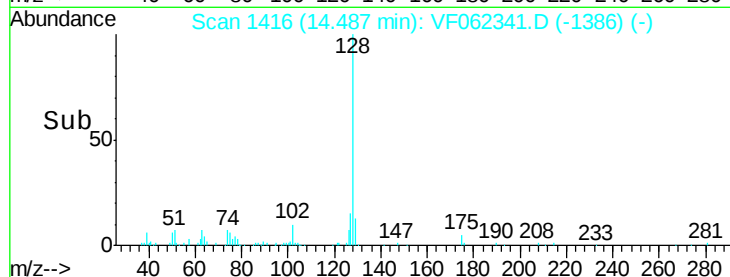
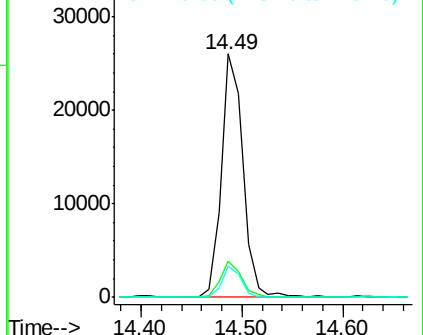
Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.5	15.7
129	11.1	8.6	12.8



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: 4.328 ug/l

RT: 14.63 min Scan# 1431

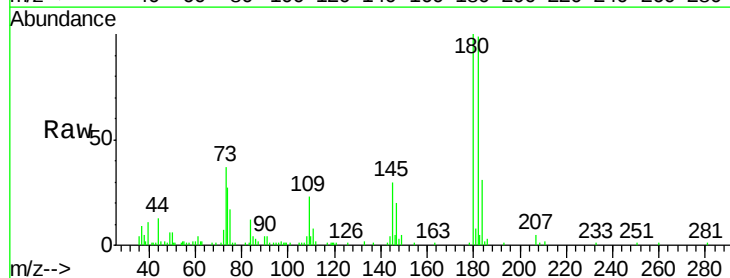
Delta R.T. 0.00 min

Lab File: VF062341.D

Acq: 6 May 2019 17:16

Tgt Ion:180 Resp: 26602

Ion	Ratio	Lower	Upper
180	100		
182	96.7	49.4	148.0
145	27.9	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

