

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061119\
 Data File : VX010237.D
 Acq On : 11 Jun 2019 17:12
 Operator : JC/SP
 Sample : VSTDCCC50
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 12 07:50:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	252483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	367620	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	336763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183501	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	99809	40.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.00%	
35) Dibromofluoromethane	5.49	113	99896	44.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.10%	
50) Toluene-d8	8.71	98	383504	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
62) 4-Bromofluorobenzene	11.13	95	144544	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	111723	48.090	ug/l	99
3) Chloromethane	1.32	50	101449	43.970	ug/l	100
4) Vinyl Chloride	1.41	62	107300	49.482	ug/l	99
5) Bromomethane	1.64	94	45083	55.095	ug/l	98
6) Chloroethane	1.71	64	63363	57.956	ug/l	99
7) Trichlorofluoromethane	1.92	101	171264	53.170	ug/l	100
8) Diethyl Ether	2.18	74	58021	52.262	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	2.38	101	101426	45.680	ug/l	90
10) Methyl Iodide	2.51	142	155416	45.177	ug/l	96
11) Tert butyl alcohol	3.05	59	133829	221.667	ug/l	98
12) 1,1-Dichloroethene	2.37	96	97931	43.182	ug/l #	79
13) Acrolein	2.29	56	28101	255.264	ug/l	98
14) Allyl chloride	2.73	41	143025	41.780	ug/l #	88
15) Acrylonitrile	3.14	53	270880	219.508	ug/l	98
16) Acetone	2.44	43	263510	227.327	ug/l #	86
17) Carbon Disulfide	2.57	76	253049	38.617	ug/l	99
18) Methyl Acetate	2.77	43	110469	43.334	ug/l #	81
19) Methyl tert-butyl Ether	3.19	73	313680	43.053	ug/l	93
20) Methylene Chloride	2.85	84	108704	42.701	ug/l #	78
21) trans-1,2-Dichloroethene	3.16	96	104179	41.510	ug/l #	80
22) Diisopropyl ether	3.85	45	291995	44.613	ug/l #	85
23) Vinyl Acetate	3.81	43	1296315	222.014	ug/l #	88
24) 1,1-Dichloroethane	3.69	63	169780	42.724	ug/l	96
25) 2-Butanone	4.67	43	392446	227.360	ug/l #	83
26) 2,2-Dichloropropane	4.57	77	154605	42.646	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	123208	44.129	ug/l	77
28) Bromochloromethane	5.01	49	78629	44.149	ug/l #	47
29) Tetrahydrofuran	5.12	42	239163	220.472	ug/l #	76
30) Chloroform	5.21	83	180723	43.790	ug/l	99
31) Cyclohexane	5.57	56	159006	44.335	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	163877	42.238	ug/l #	93
36) 1,1-Dichloropropene	5.79	75	135134	45.056	ug/l	92
37) Ethyl Acetate	4.83	43	138774	44.470	ug/l #	92
38) Carbon Tetrachloride	5.78	117	151541	44.640	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	187300	45.862	ug/l #	84
40) Benzene	6.14	78	426005	45.935	ug/l	99
41) Methacrylonitrile	5.04	41	74798	44.311	ug/l #	83
42) 1,2-Dichloroethane	6.19	62	130452	44.060	ug/l	93
43) Isopropyl Acetate	6.44	43	230845	44.243	ug/l #	89
44) Trichloroethene	7.21	130	129766	46.420	ug/l	85
45) 1,2-Dichloropropane	7.51	63	105997	45.664	ug/l	100
46) Dibromomethane	7.66	93	76523	44.003	ug/l	89
47) Bromodichloromethane	7.90	83	145241	44.696	ug/l #	99
48) Methyl methacrylate	7.77	41	108476	44.455	ug/l #	76
49) 1,4-Dioxane	7.74	88	65349	939.314	ug/l #	78
51) 4-Methyl-2-Pentanone	8.64	43	750704	240.841	ug/l	90
52) Toluene	8.78	92	282250	46.298	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	164682	43.814	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	177534	44.059	ug/l #	87
55) 1,1,2-Trichloroethane	9.21	97	117349	47.001	ug/l	95
56) Ethyl methacrylate	9.18	69	182019	46.152	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	180636	45.955	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	424551	228.343	ug/l #	86
59) 2-Hexanone	9.49	43	596956	240.202	ug/l	88
60) Dibromochloromethane	9.58	129	135502	45.883	ug/l	99
61) 1,2-Dibromoethane	9.67	107	127625	45.897	ug/l	100
64) Tetrachloroethene	9.34	164	118949	47.557	ug/l	94
65) Chlorobenzene	10.13	112	322803	46.443	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	121570	45.482	ug/l	99
67) Ethyl Benzene	10.25	91	548896	46.390	ug/l	95
68) m/p-Xylenes	10.36	106	431552	94.252	ug/l	89
69) o-Xylene	10.69	106	213489	46.905	ug/l	87
70) Styrene	10.71	104	370757	48.096	ug/l	94
71) Bromoform	10.85	173	115745	47.104	ug/l #	96
73) Isopropylbenzene	11.02	105	563979	44.028	ug/l	96
74) N-amyl acetate	10.90	43	218219	43.096	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	187395	42.737	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	215307	58.661	ug/l	81
77) Bromobenzene	11.25	156	156188	44.339	ug/l	80
78) n-propylbenzene	11.36	91	638943	44.804	ug/l	95
79) 2-Chlorotoluene	11.42	91	368822	43.062	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	474050	43.938	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	68312	41.121	ug/l #	84
82) 4-Chlorotoluene	11.51	91	426988	43.886	ug/l	91
83) tert-Butylbenzene	11.77	119	488133	44.700	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	483004	44.321	ug/l	95
85) sec-Butylbenzene	11.94	105	573260	45.059	ug/l	95
86) p-Isopropyltoluene	12.06	119	528583	45.448	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	282674	45.558	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	282235	45.123	ug/l	97
89) n-Butylbenzene	12.38	91	463817	46.329	ug/l	97
90) Hexachloroethane	12.60	117	97136	41.926	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	275176	45.619	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39517	38.298	ug/l	62

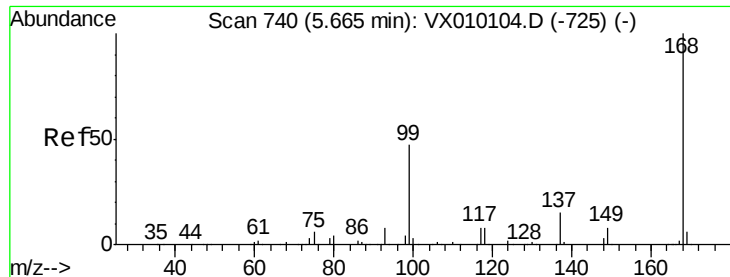
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	202326	45.822	ug/l	100
94) Hexachlorobutadiene	13.78	225	98164	49.989	ug/l	100
95) Naphthalene	13.83	128	615526	44.284	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	201105	46.064	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

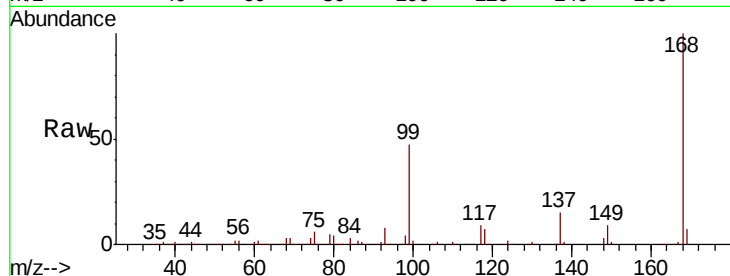
VSTDCCC050EC

Tot Ion:168 Resp: 252483

Ion Ratio Lower Upper

168 100

99 47.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

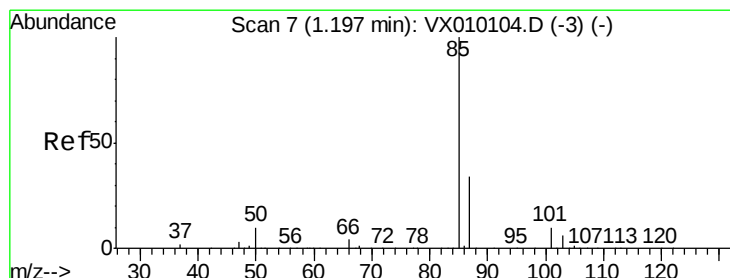
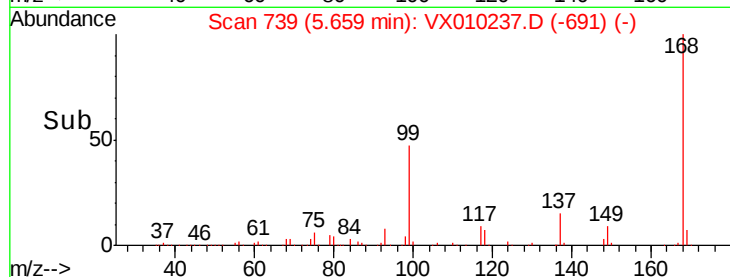
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.090 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010237.D

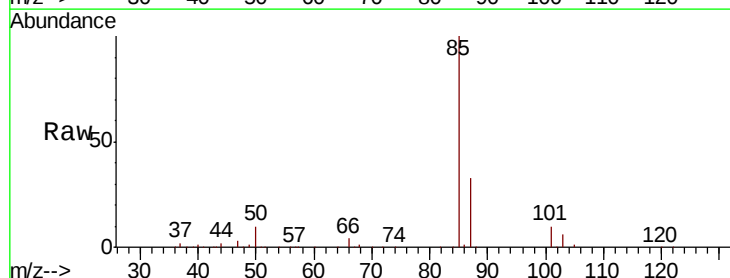
Acq: 11 Jun 2019 17:12

Tgt Ion: 85 Resp: 111723

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

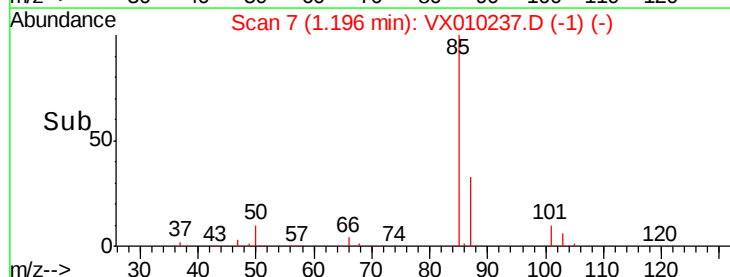
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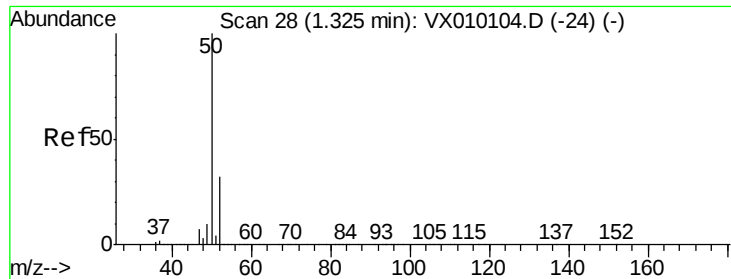
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.970 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

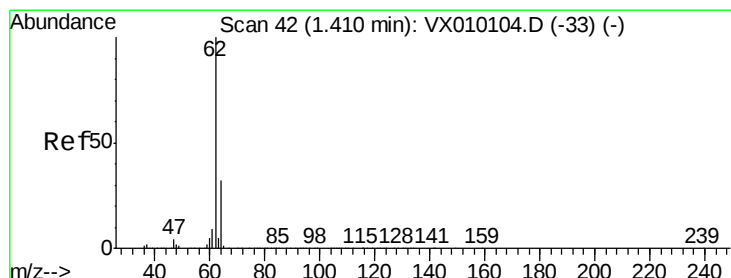
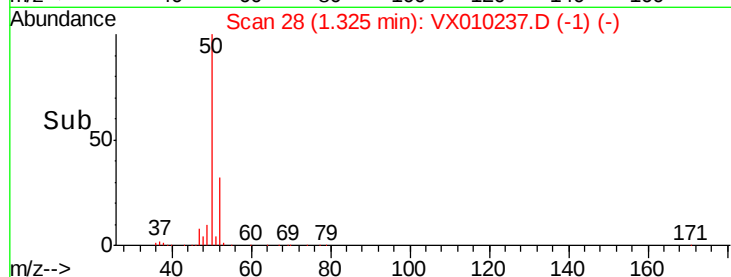
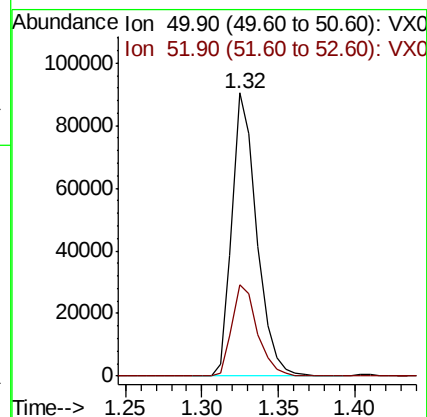
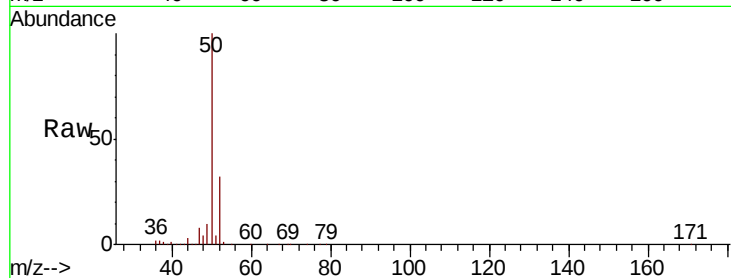
VSTDCCC050EC

Tot Ion: 50 Resp: 101449

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



#4

Vinyl Chloride

Concen: 49.482 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010237.D

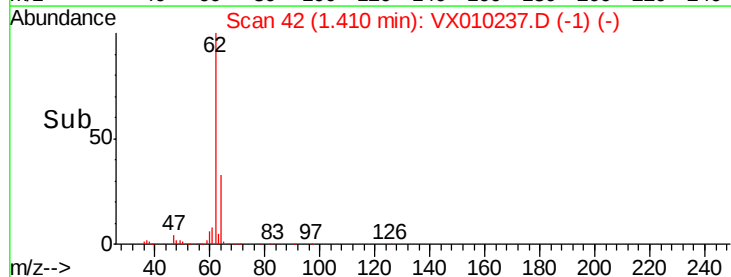
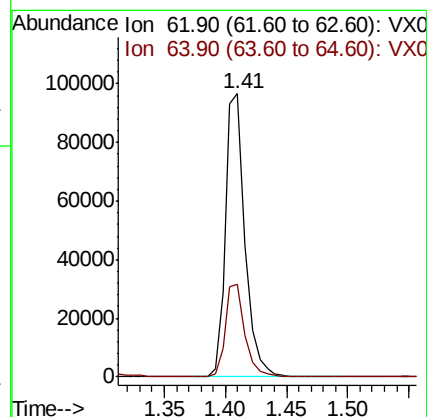
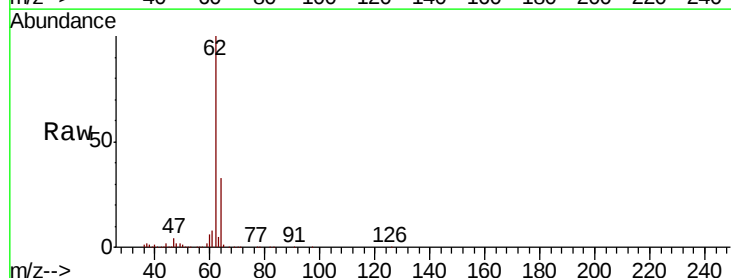
Acq: 11 Jun 2019 17:12

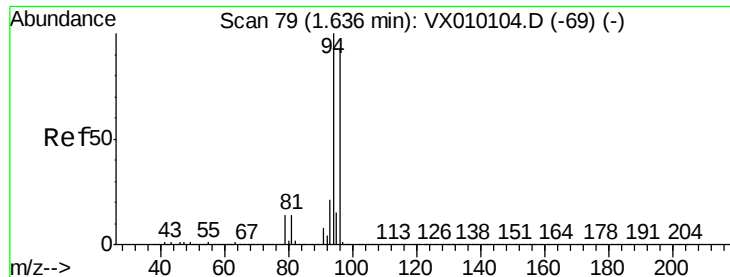
Tgt Ion: 62 Resp: 107300

Ion Ratio Lower Upper

62 100

64 32.8 25.7 38.5





#5

Bromomethane

Concen: 55.095 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

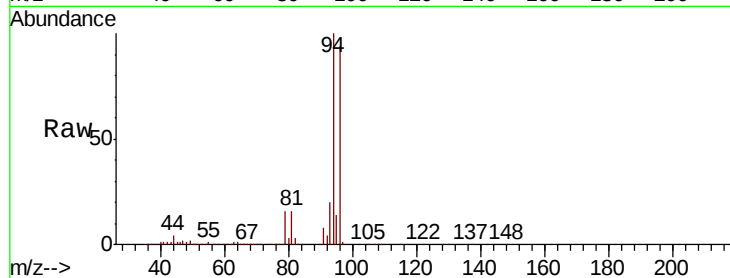
VSTDCCC050EC

Tot Ion: 94 Resp: 45083

Ion Ratio Lower Upper

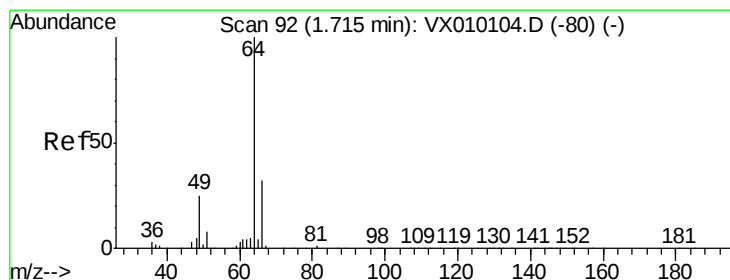
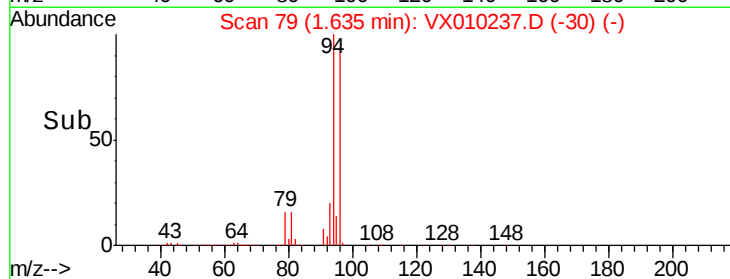
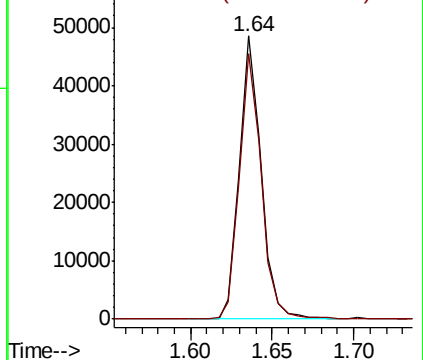
94 100

96 93.8 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 57.956 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010237.D

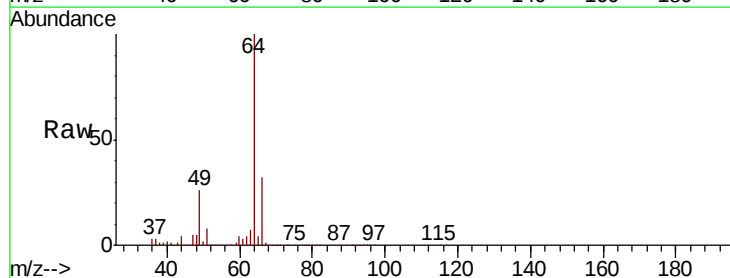
Acq: 11 Jun 2019 17:12

Tgt Ion: 64 Resp: 63363

Ion Ratio Lower Upper

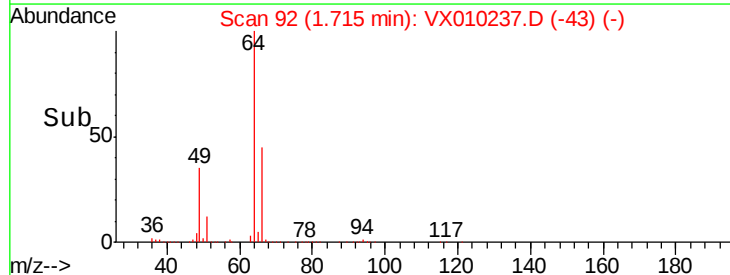
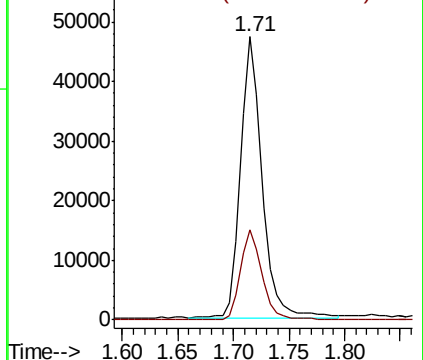
64 100

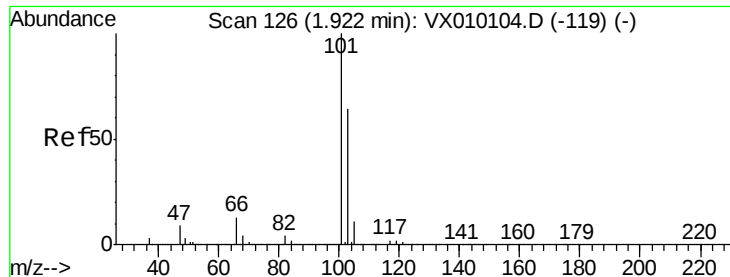
66 31.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 53.170 ug/l

RT: 1.92 min Scan# 126

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

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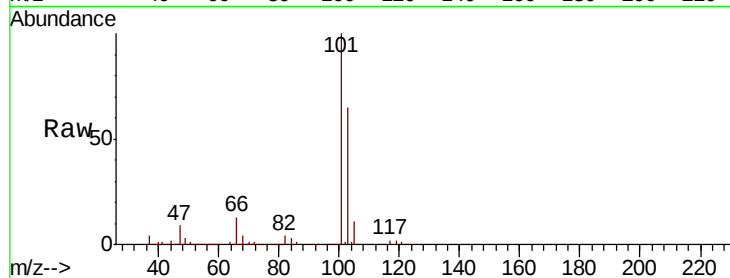
VSTDCCC050EC

Tot Ion:101 Resp: 171264

Ion Ratio Lower Upper

101 100

103 64.9 52.2 78.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

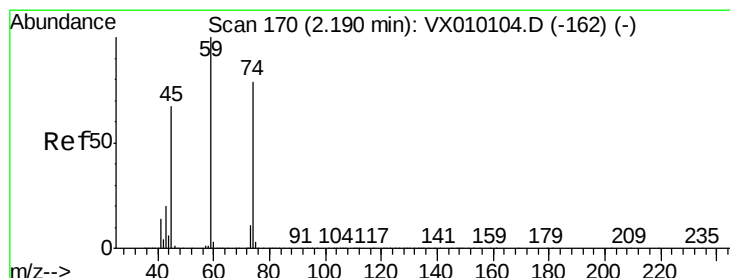
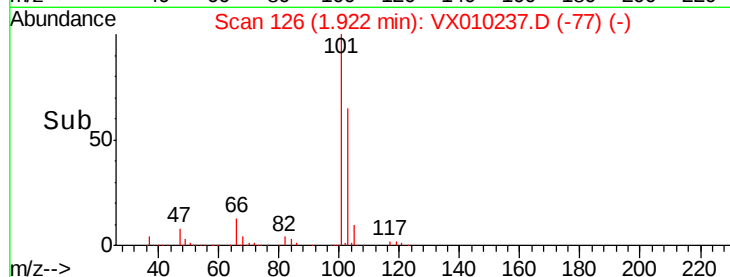
1.92

100000

50000

0

Time--> 1.80 1.90 2.00 2.10



#8

Diethyl Ether

Concen: 52.262 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX010237.D

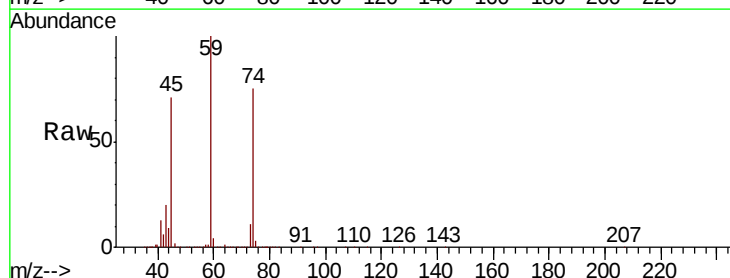
Acq: 11 Jun 2019 17:12

Tgt Ion: 74 Resp: 58021

Ion Ratio Lower Upper

74 100

45 91.8 56.1 168.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

40000

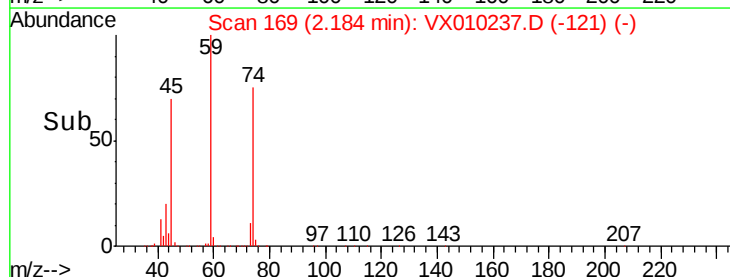
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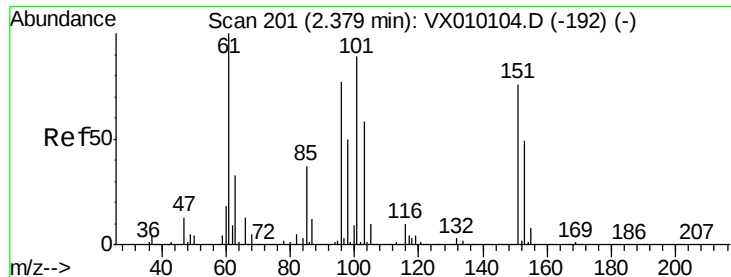
20000

10000

0

Time--> 2.10 2.20 2.30





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.680 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

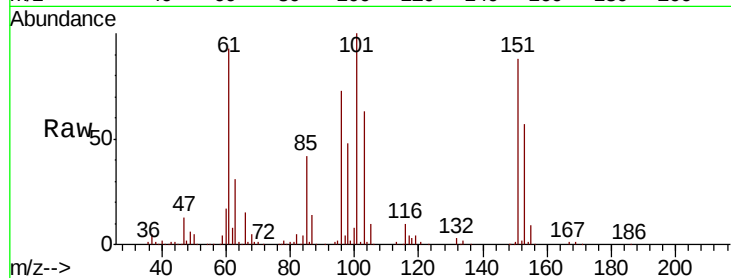
Tot Ion:101 Resp: 101426

Ion Ratio Lower Upper

101 100

85 41.6 35.2 52.8

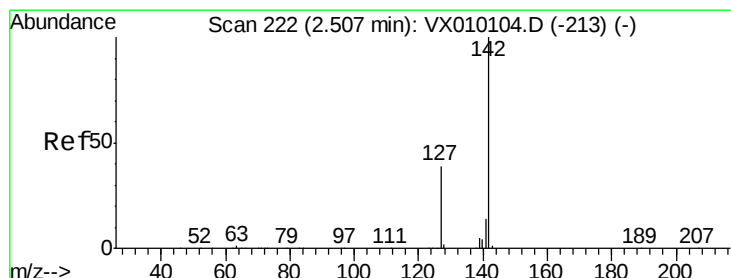
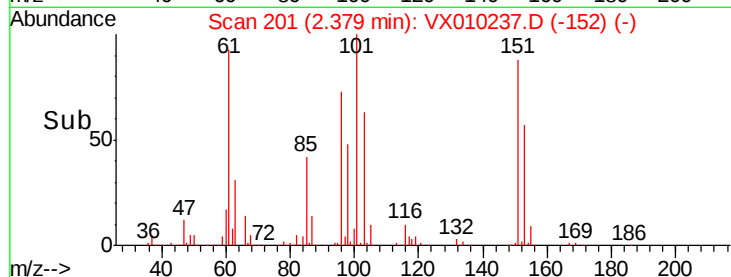
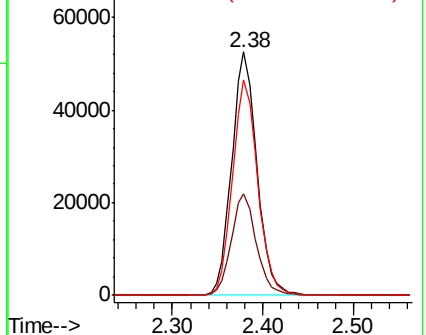
151 88.6 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.177 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

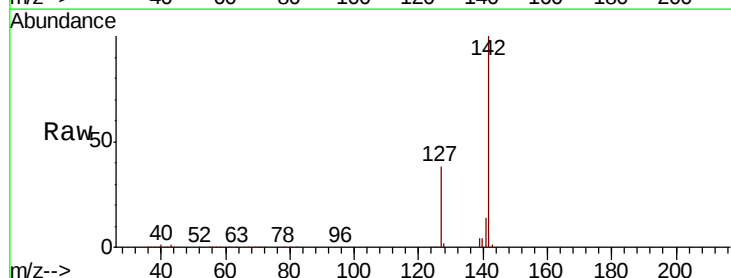
Tgt Ion:142 Resp: 155416

Ion Ratio Lower Upper

142 100

127 38.1 33.0 49.4

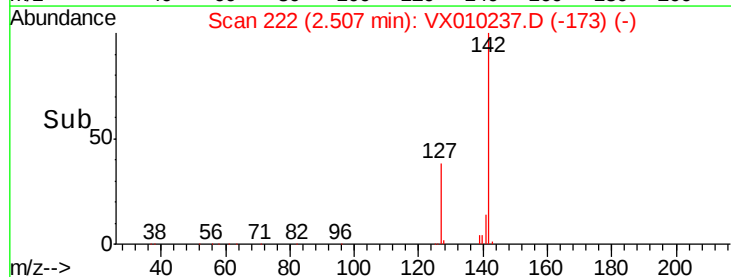
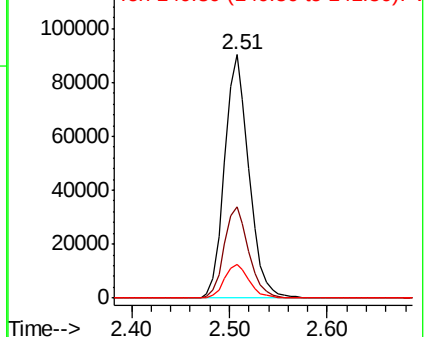
141 14.0 11.4 17.0

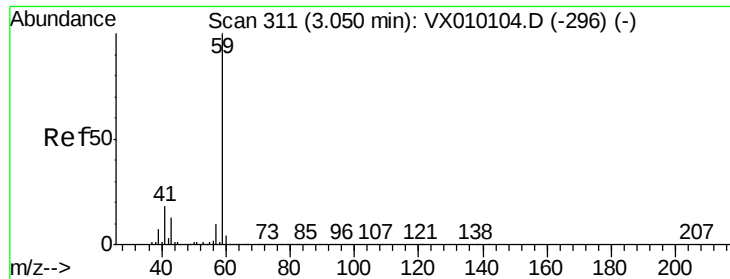


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

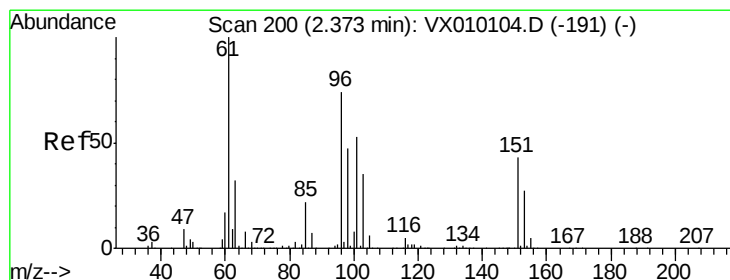
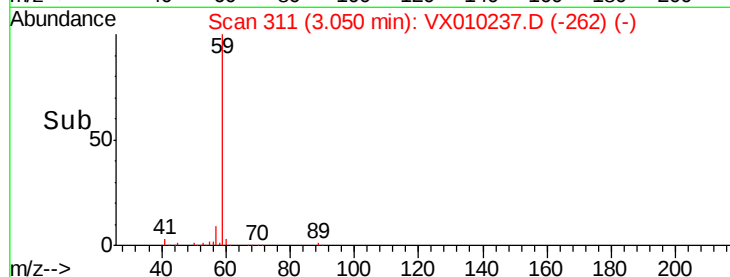
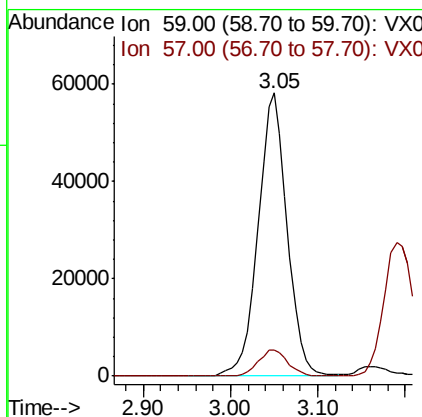
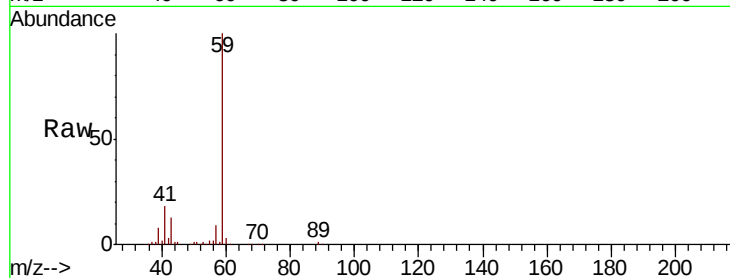




#11
Tert butyl alcohol
Concen: 221.667 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

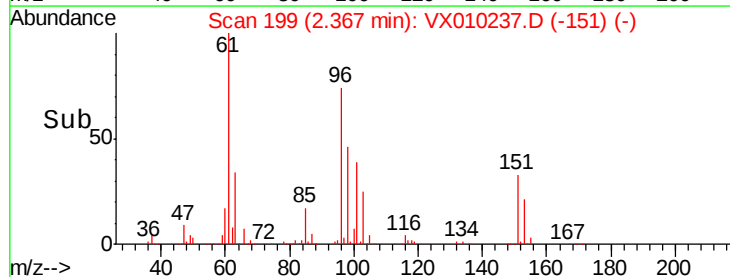
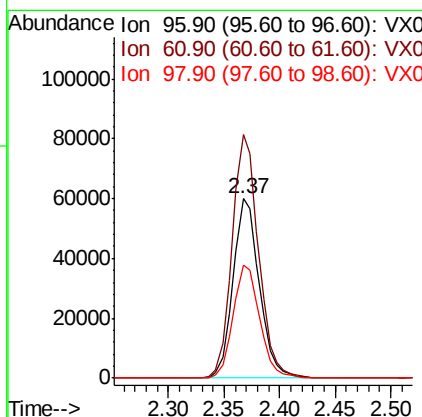
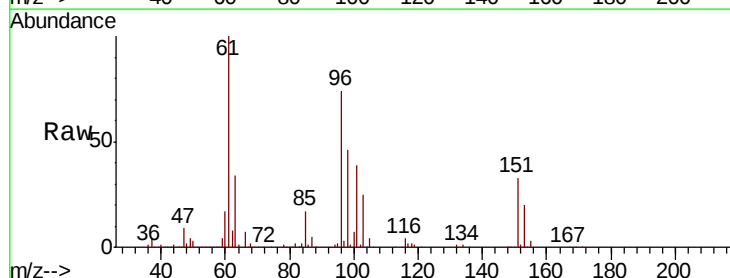
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

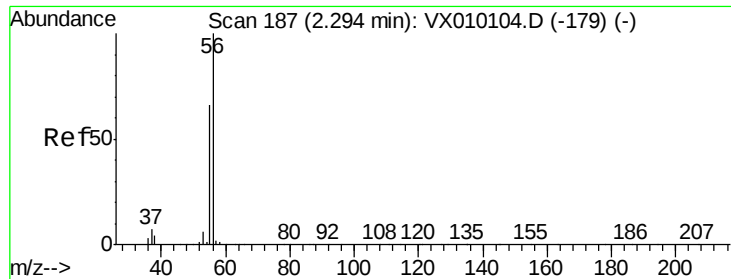
Tot Ion: 59 Resp: 133829
Ion Ratio Lower Upper
59 100
57 9.6 8.2 12.2



#12
1,1-Dichloroethene
Concen: 43.182 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Tgt Ion: 96 Resp: 97931
Ion Ratio Lower Upper
96 100
61 136.0 140.7 211.1#
98 63.0 50.1 75.1





#13

Acrolein

Concen: 255.264 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

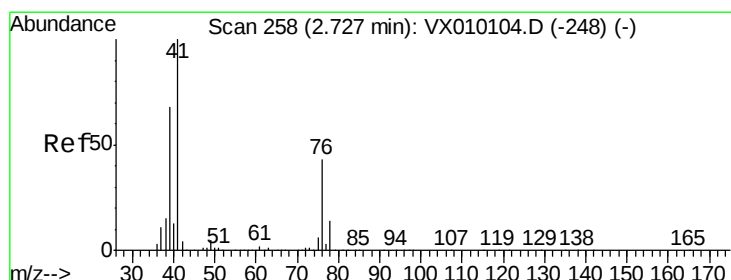
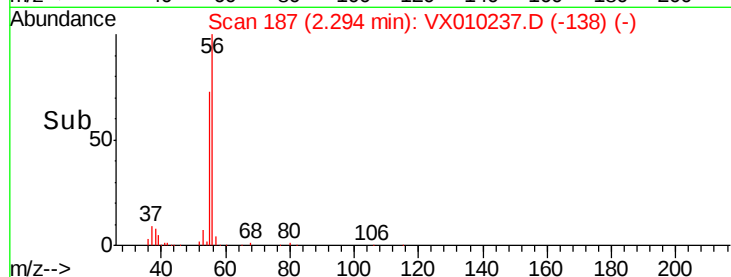
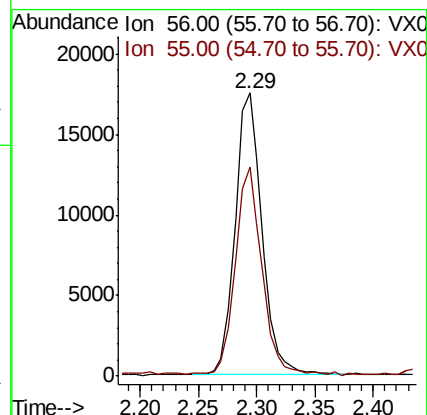
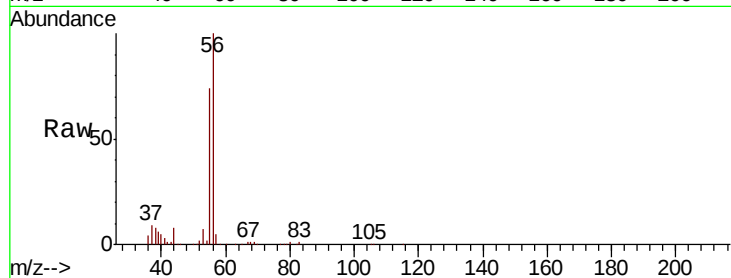
VSTDCCC050EC

Tot Ion: 56 Resp: 28101

Ion Ratio Lower Upper

56 100

55 72.7 57.0 85.4



#14

Allyl chloride

Concen: 41.780 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

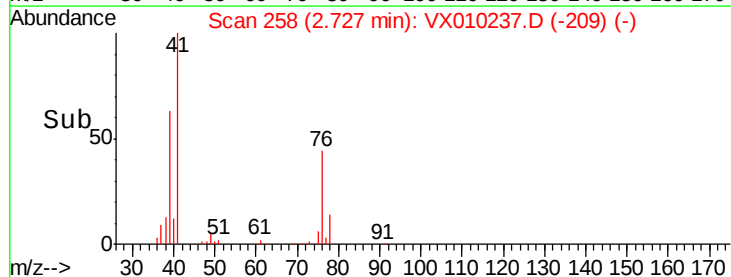
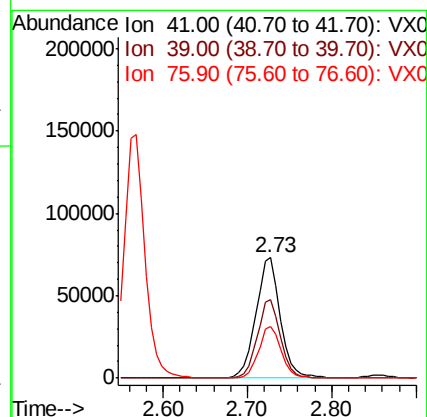
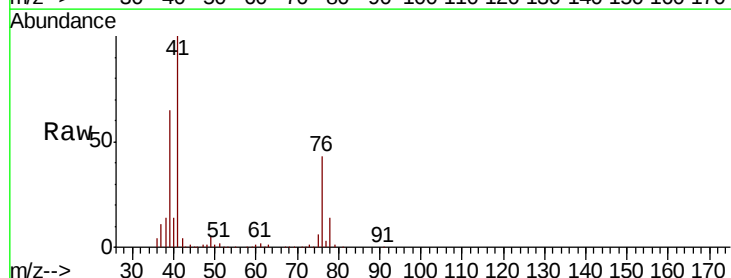
Tgt Ion: 41 Resp: 143025

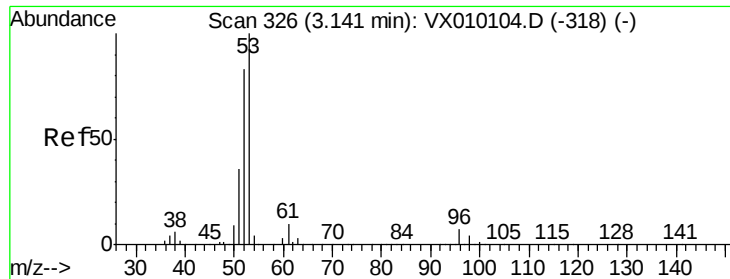
Ion Ratio Lower Upper

41 100

39 62.3 46.7 70.1

76 39.9 21.0 31.4#





#15

Acrylonitrile

Concen: 219.508 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

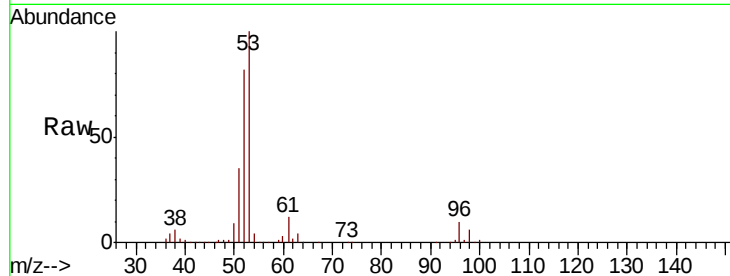
Tot Ion: 53 Resp: 270880

Ion Ratio Lower Upper

53 100

52 82.1 66.7 100.1

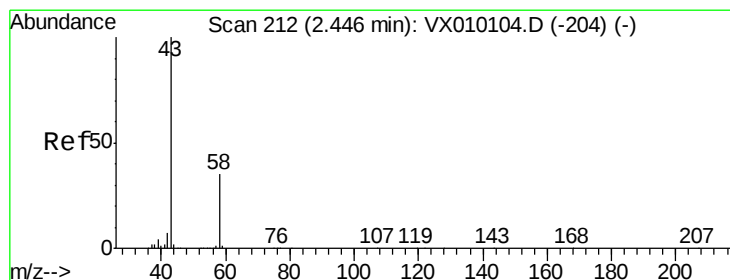
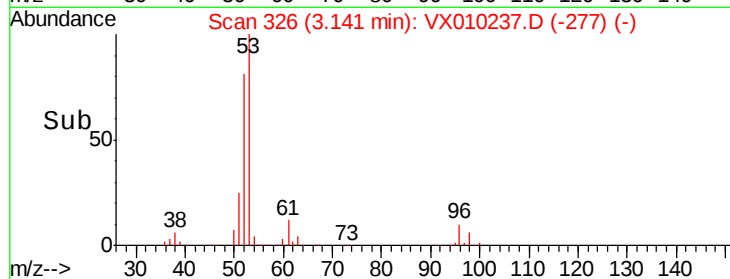
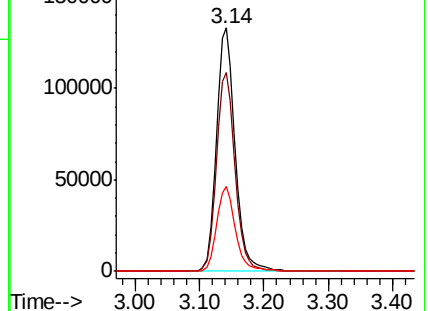
51 35.0 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 227.327 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010237.D

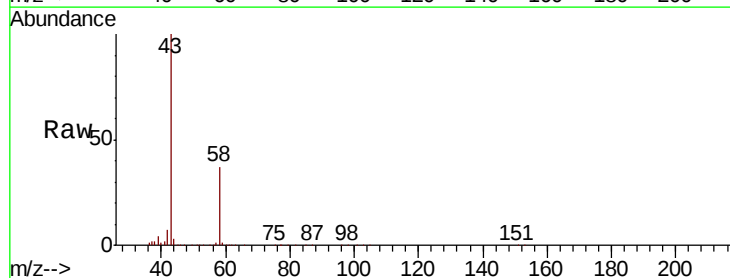
Acq: 11 Jun 2019 17:12

Tgt Ion: 43 Resp: 263510

Ion Ratio Lower Upper

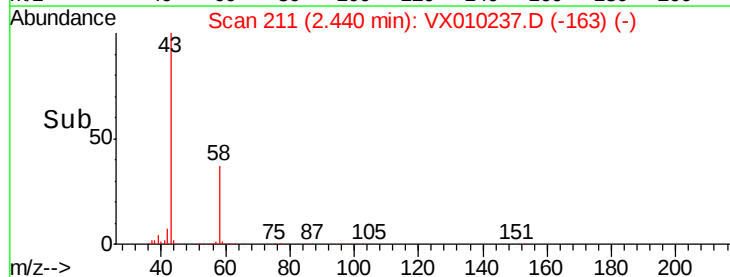
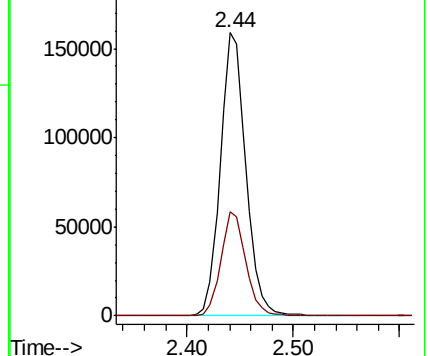
43 100

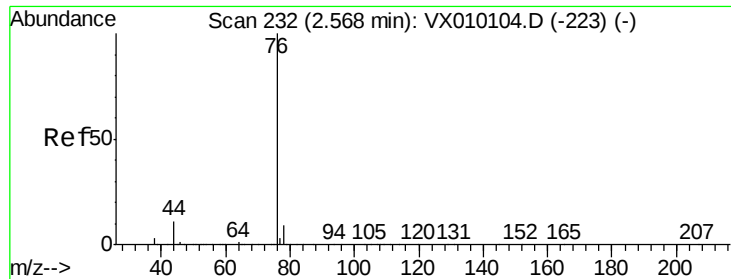
58 36.7 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

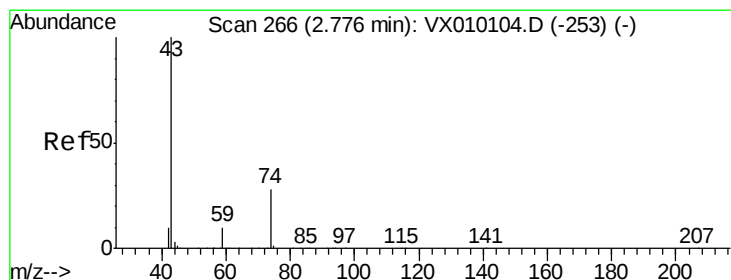
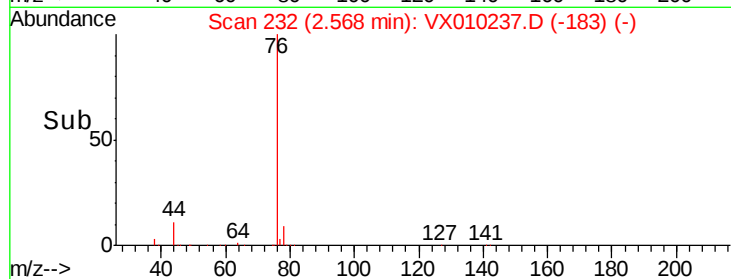
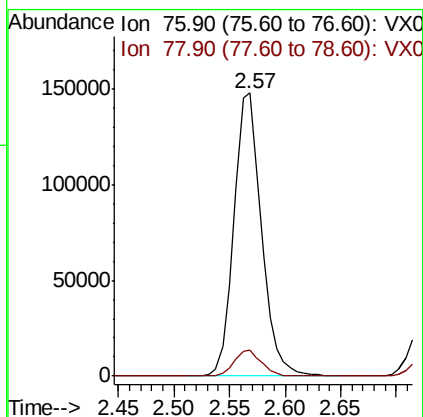
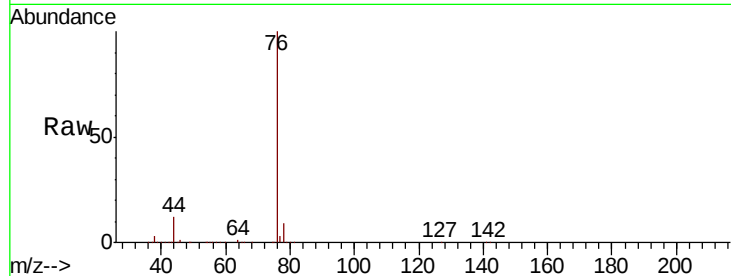




#17
Carbon Disulfide
Concen: 38.617 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

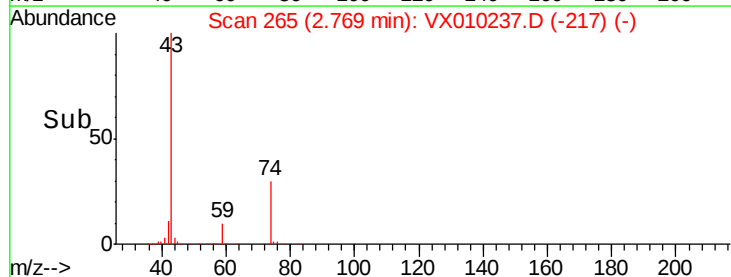
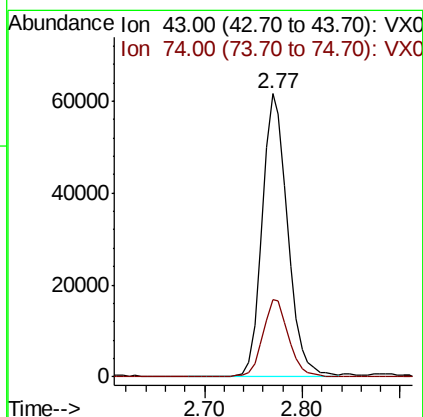
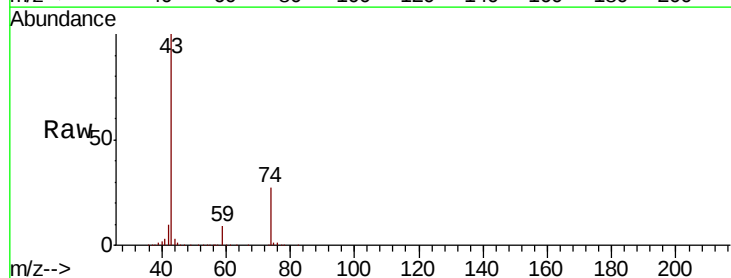
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

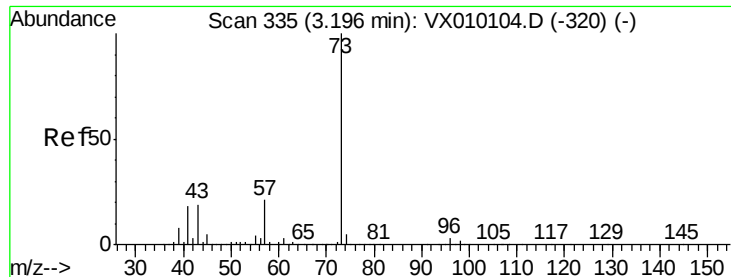
Tot Ion: 76 Resp: 253049
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 43.334 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Tgt Ion: 43 Resp: 110469
Ion Ratio Lower Upper
43 100
74 28.3 15.8 23.6#

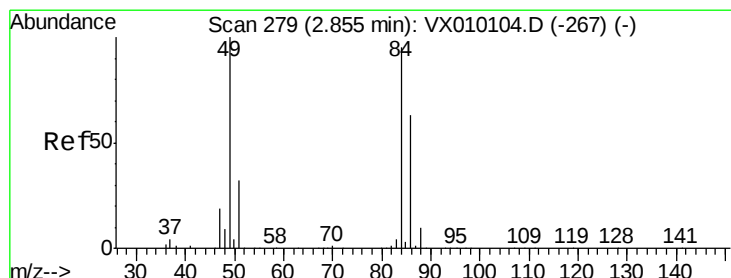
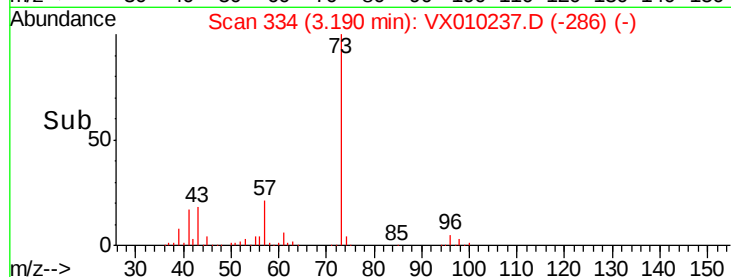
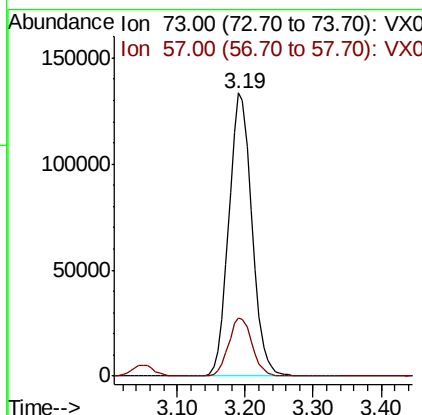
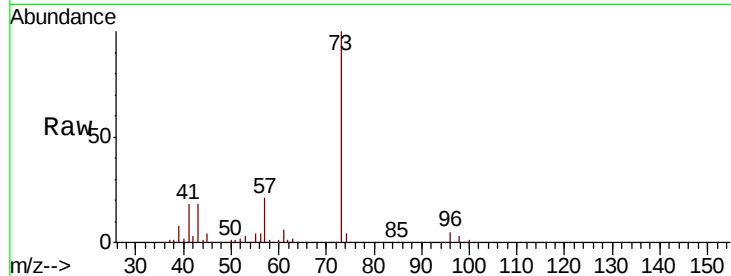




#19
Methyl tert-butyl Ether
Concen: 43.053 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

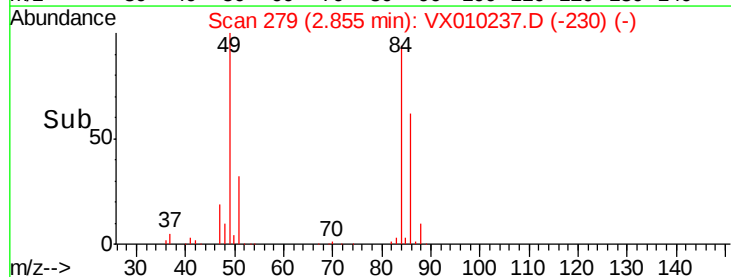
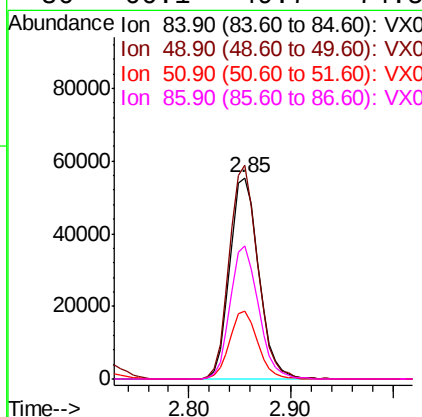
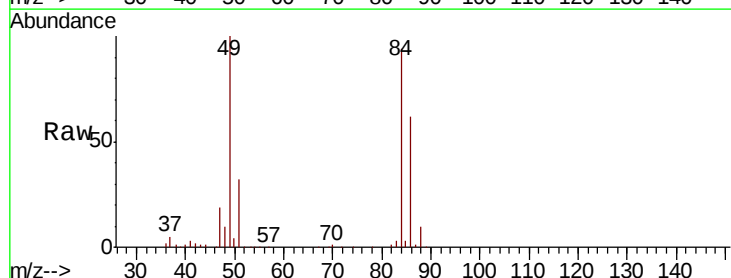
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

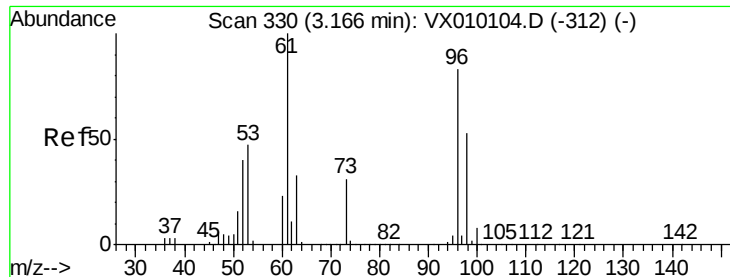
Tot Ion: 73 Resp: 313680
Ion Ratio Lower Upper
73 100
57 20.7 19.4 29.2



#20
Methylene Chloride
Concen: 42.701 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Tgt Ion: 84 Resp: 108704
Ion Ratio Lower Upper
84 100
49 106.3 115.8 173.6#
51 33.9 34.4 51.6#
86 66.1 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 41.510 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

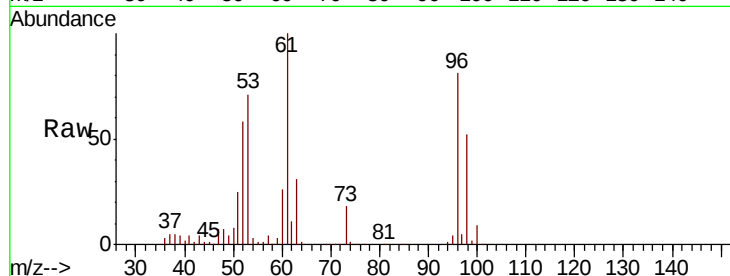
Tot Ion: 96 Resp: 104179

Ion Ratio Lower Upper

96 100

61 123.1 125.7 188.5#

98 64.5 49.0 73.6

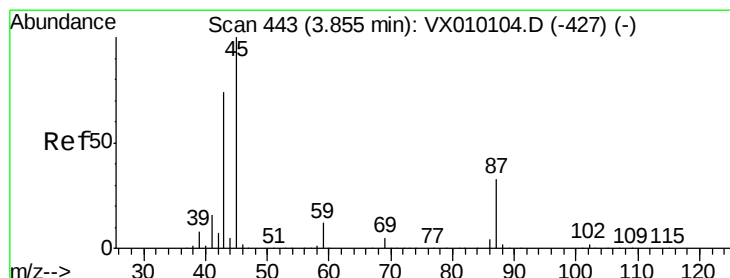
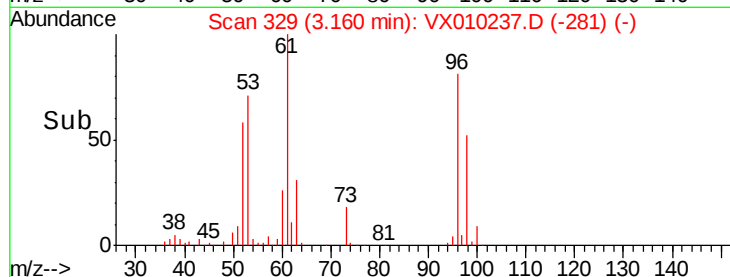
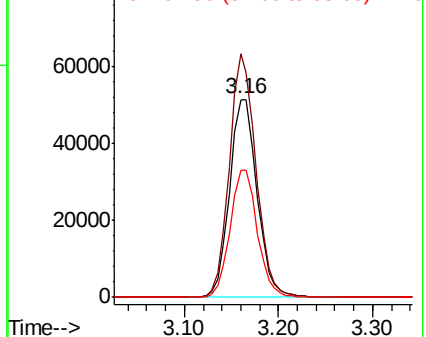


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 44.613 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Tgt Ion: 45 Resp: 291995

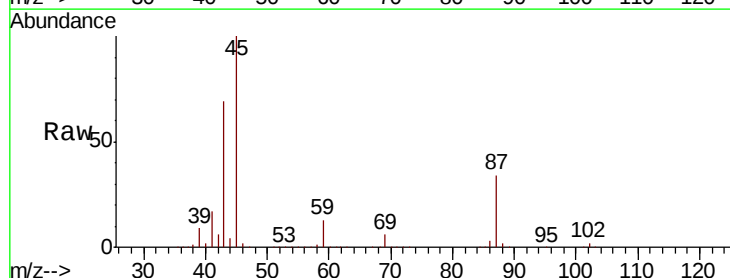
Ion Ratio Lower Upper

45 100

43 69.2 65.0 97.4

87 34.0 17.3 25.9#

59 12.6 8.1 12.1#



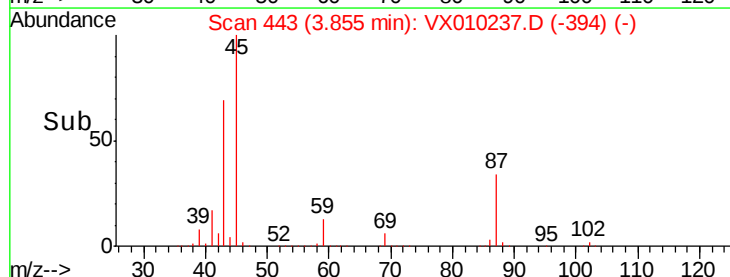
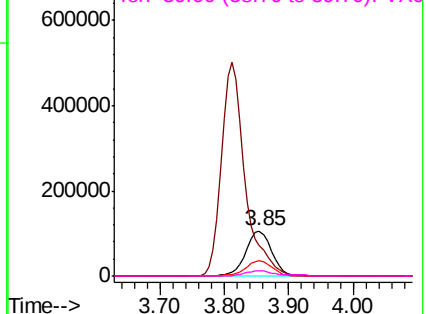
Abundance

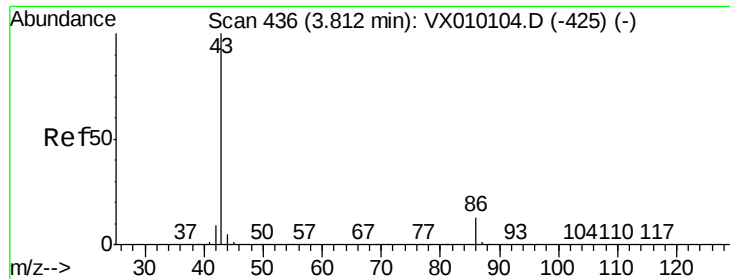
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 222.014 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

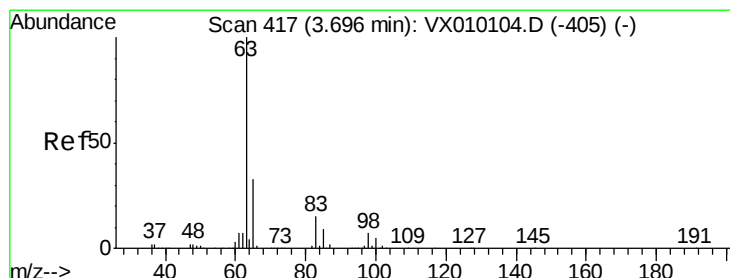
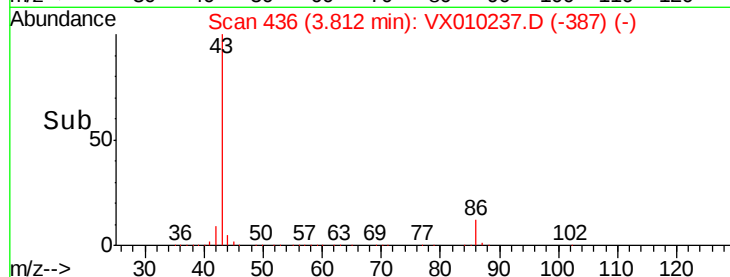
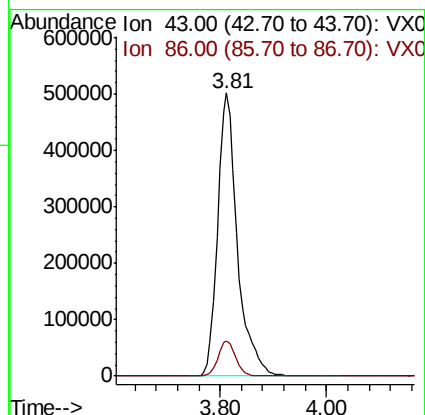
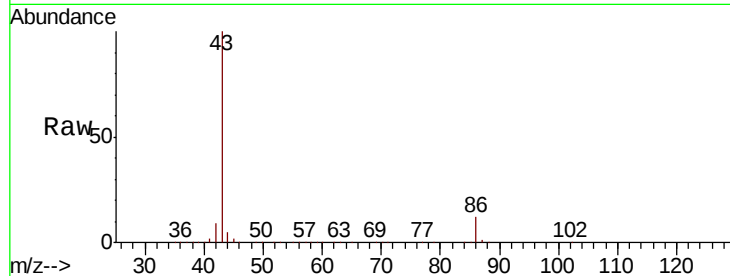
VSTDCCC050EC

Tot Ion: 43 Resp: 1296315

Ion Ratio Lower Upper

43 100

86 12.3 6.5 9.7#



#24

1,1-Dichloroethane

Concen: 42.724 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

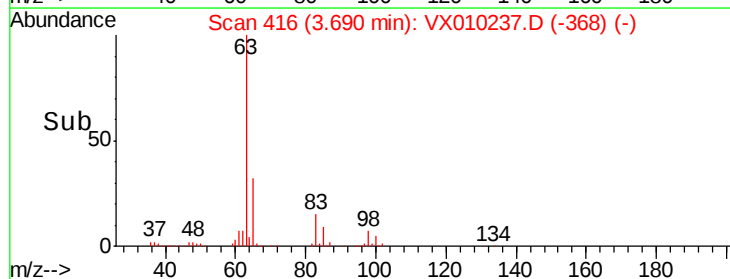
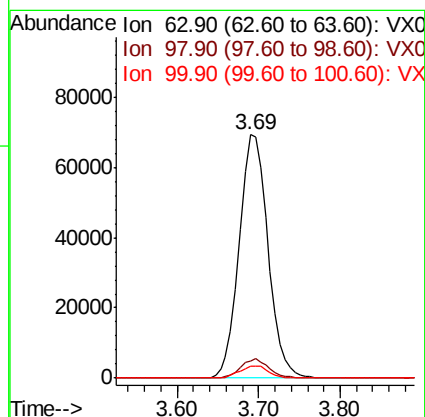
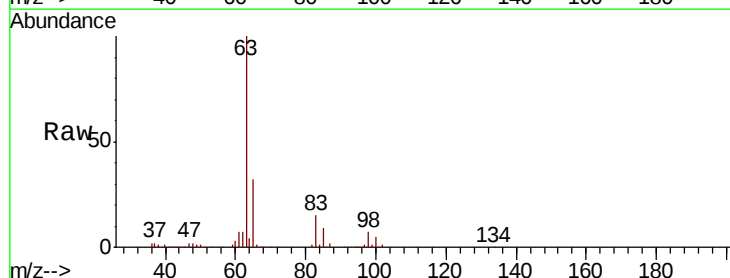
Tgt Ion: 63 Resp: 169780

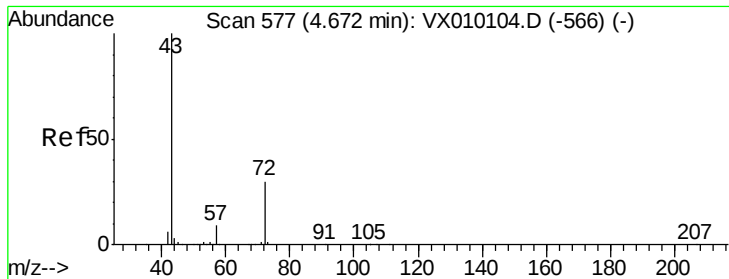
Ion Ratio Lower Upper

63 100

98 7.2 2.9 8.8

100 4.7 1.8 5.4





#25

2-Butanone

Concen: 227.360 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

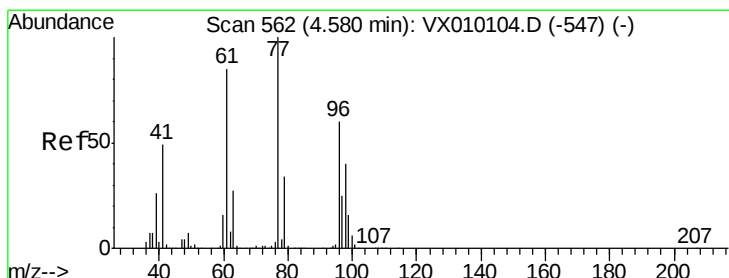
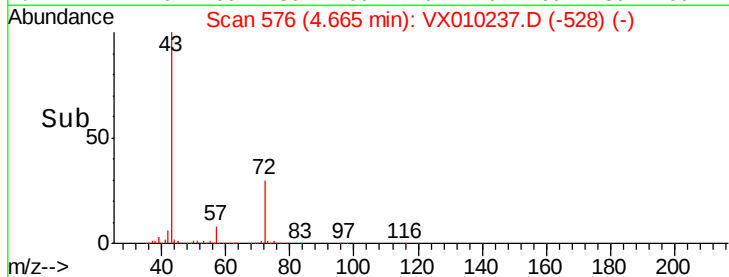
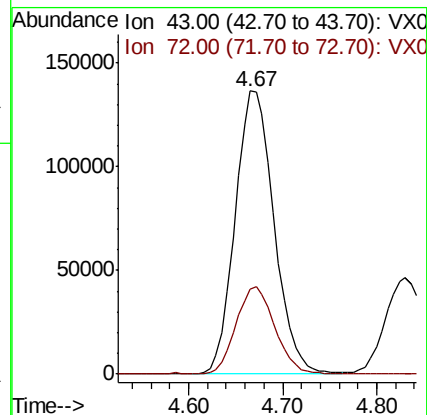
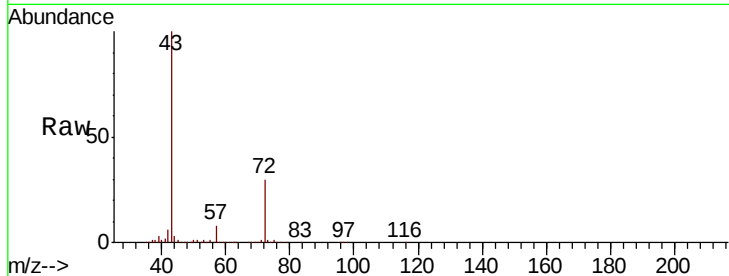
VSTDCCC050EC

Tot Ion: 43 Resp: 392446

Ion Ratio Lower Upper

43 100

72 29.8 17.5 26.3#



#26

2,2-Dichloropropane

Concen: 42.646 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX010237.D

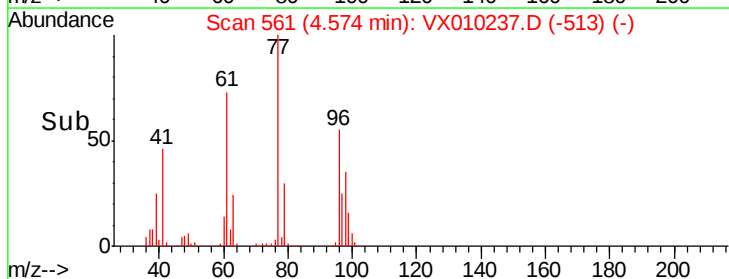
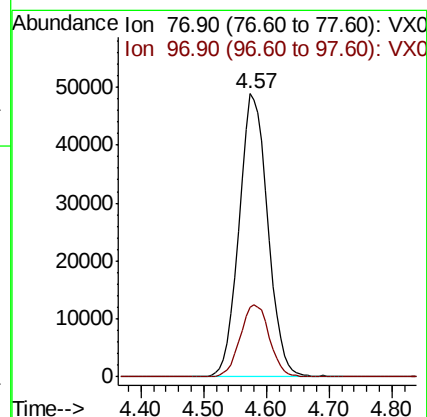
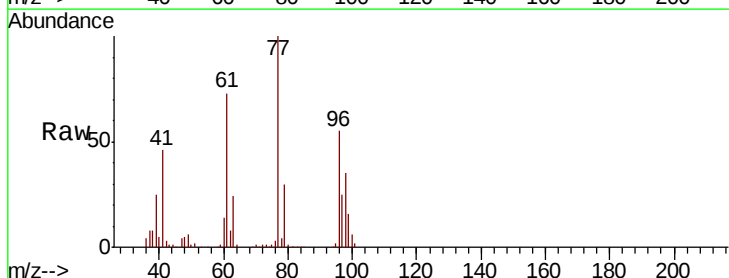
Acq: 11 Jun 2019 17:12

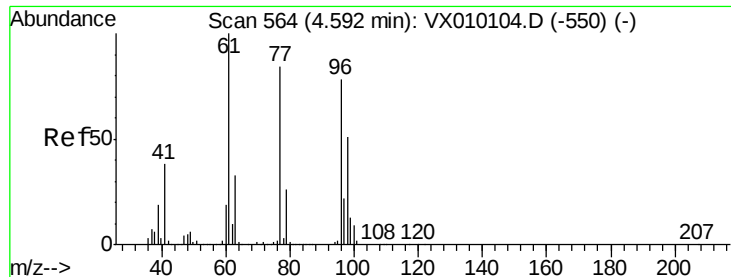
Tgt Ion: 77 Resp: 154605

Ion Ratio Lower Upper

77 100

97 26.0 11.4 34.2



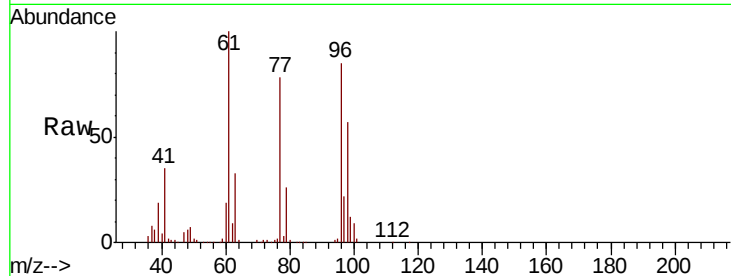


#27

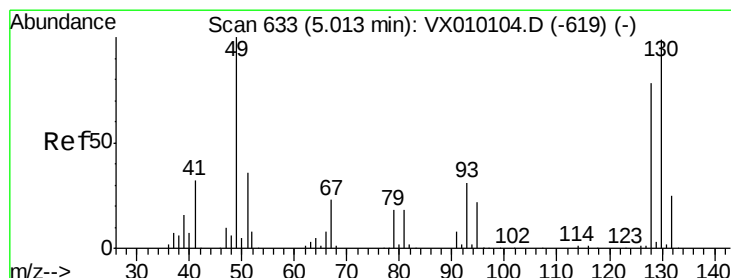
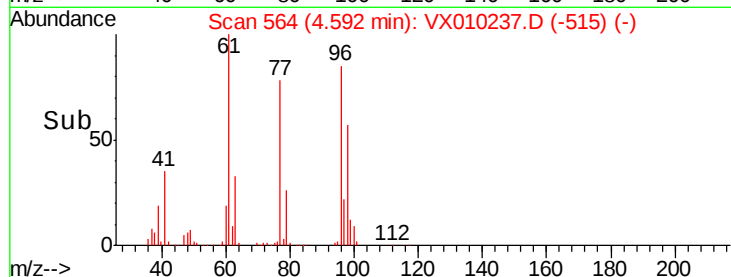
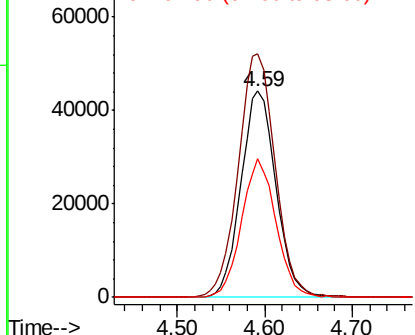
cis-1,2-Dichloroethene
Concen: 44.129 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.5	0.0	334.0
98	65.9	0.0	131.6



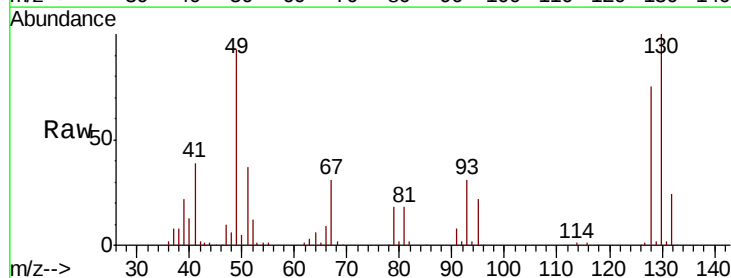
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



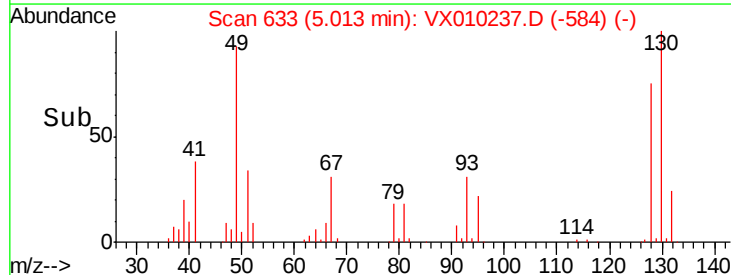
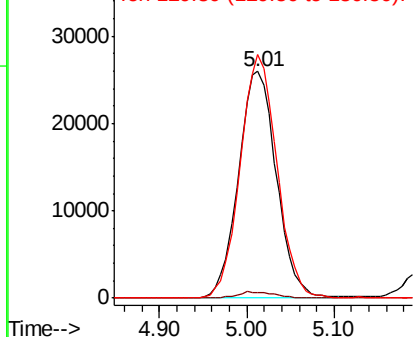
#28

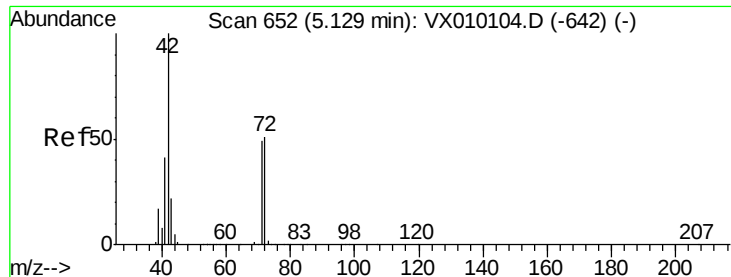
Bromochloromethane
Concen: 44.149 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	3.4
130	103.5	49.4	74.2#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

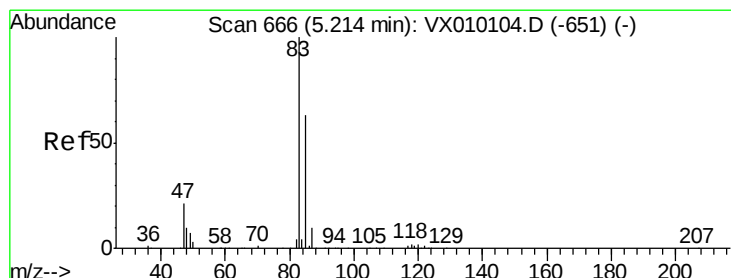
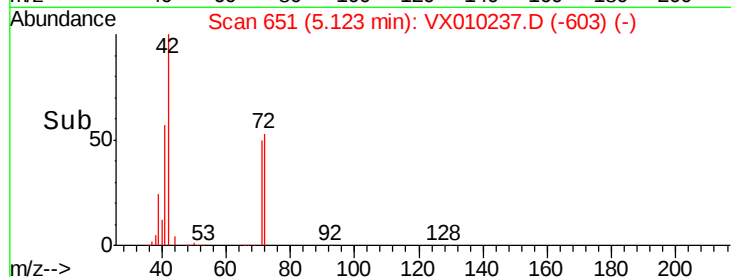
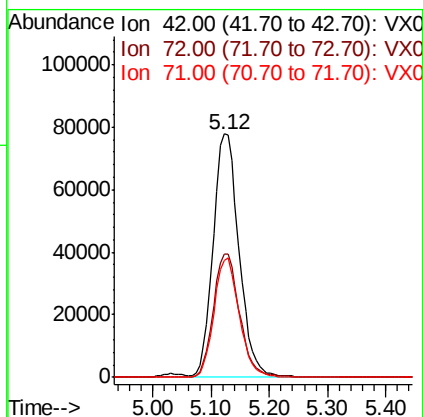
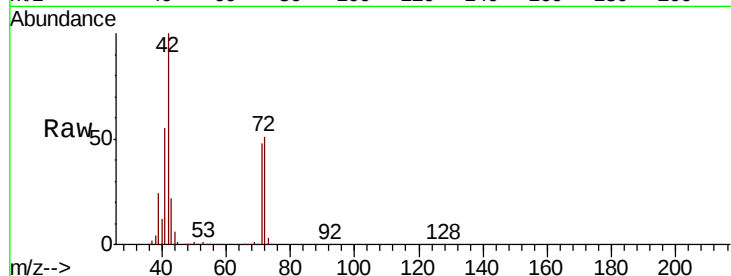




#29
Tetrahydrofuran
Concen: 220.472 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

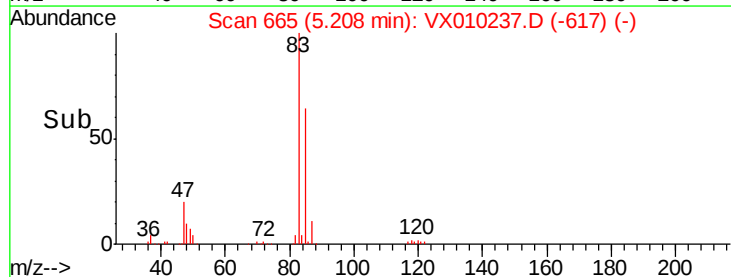
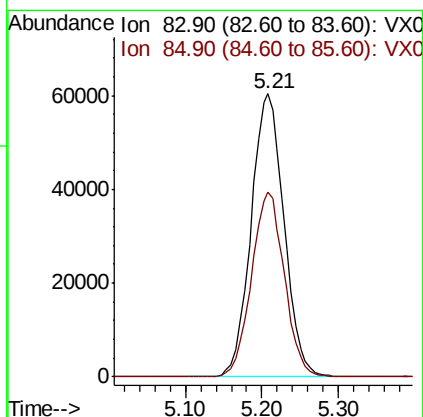
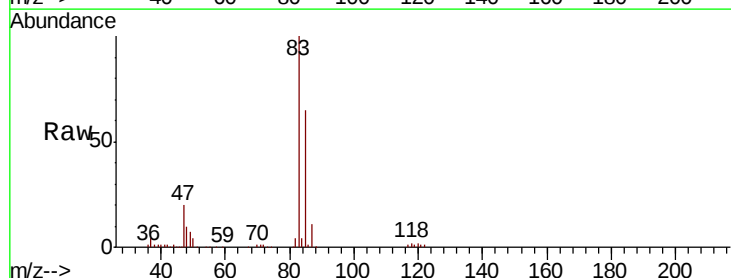
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

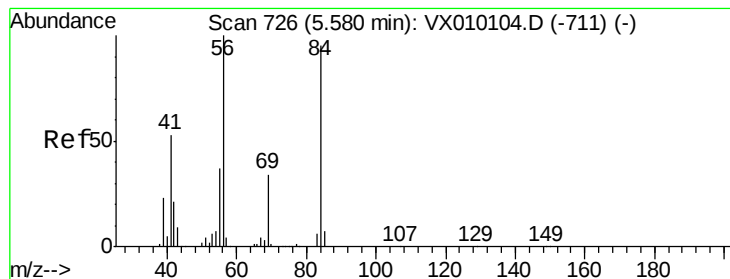
Tot Ion: 42 Resp: 239163
Ion Ratio Lower Upper
42 100
72 51.5 29.2 43.8#
71 48.0 27.6 41.4#



#30
Chloroform
Concen: 43.790 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Tgt Ion: 83 Resp: 180723
Ion Ratio Lower Upper
83 100
85 65.3 52.6 78.8





#31

Cyclohexane

Concen: 44.335 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

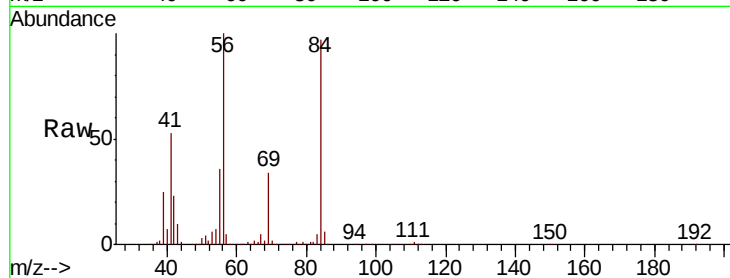
Tot Ion: 56 Resp: 159006

Ion Ratio Lower Upper

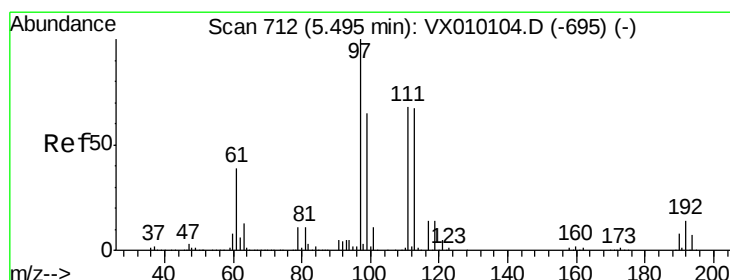
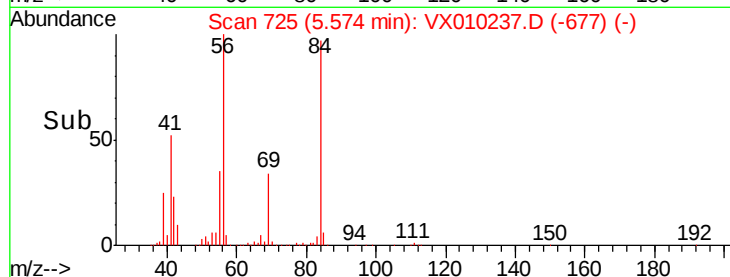
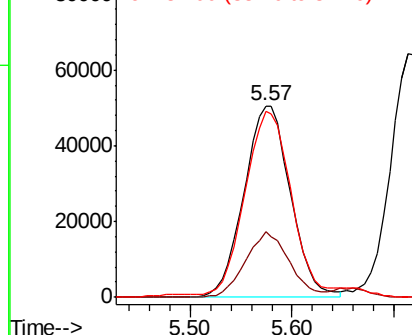
56 100

69 34.1 21.6 32.4#

84 95.7 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 42.238 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

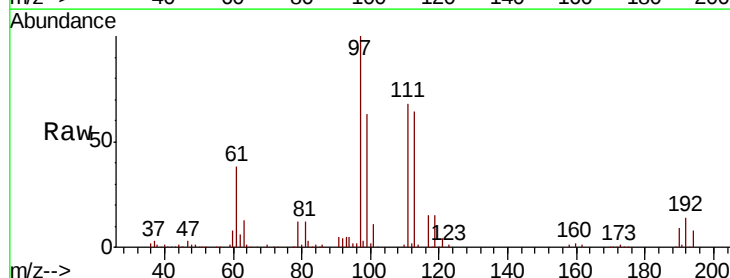
Tgt Ion: 97 Resp: 163877

Ion Ratio Lower Upper

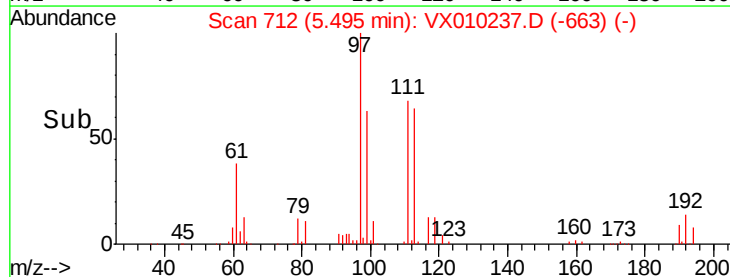
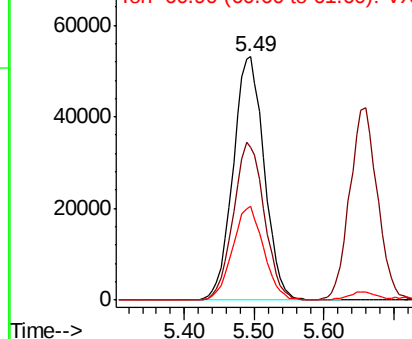
97 100

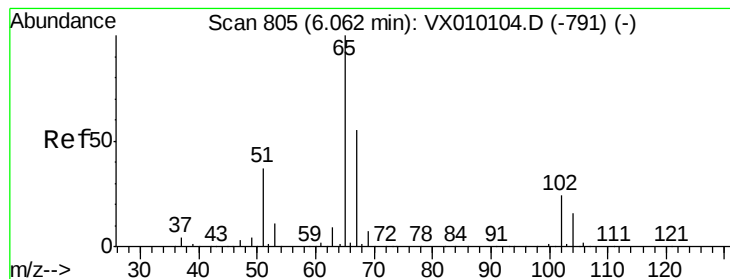
99 64.6 51.0 76.4

61 38.6 38.7 58.1#



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 40.498 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

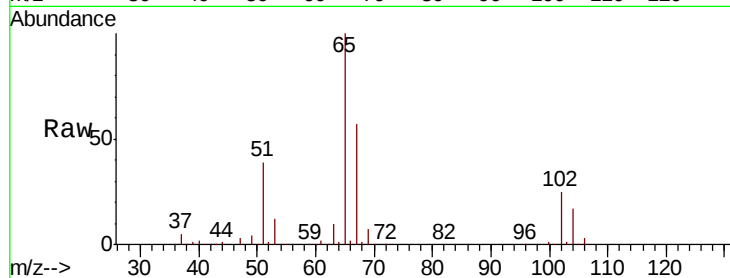
VSTDCCC050EC

Tot Ion: 65 Resp: 99809

Ion Ratio Lower Upper

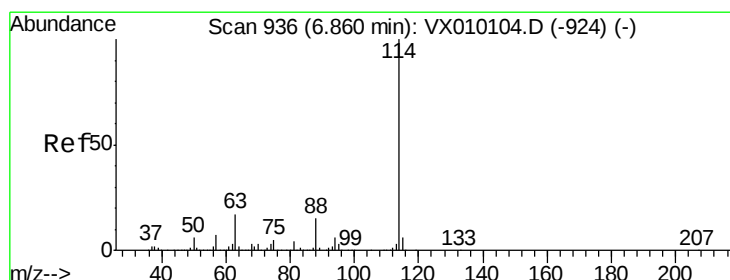
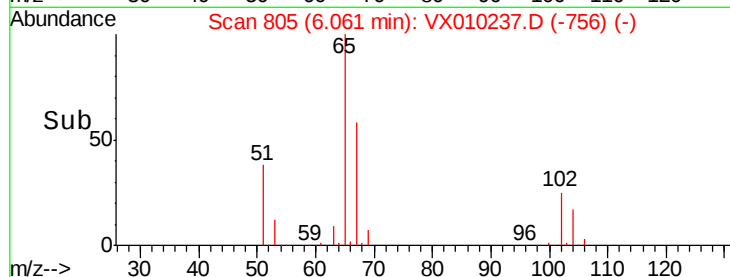
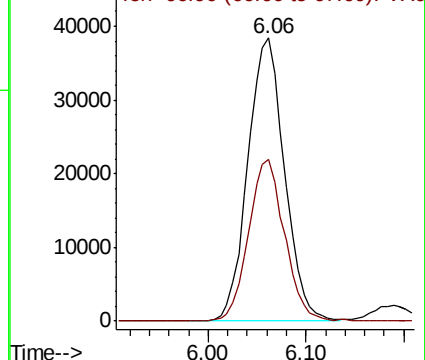
65 100

67 56.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

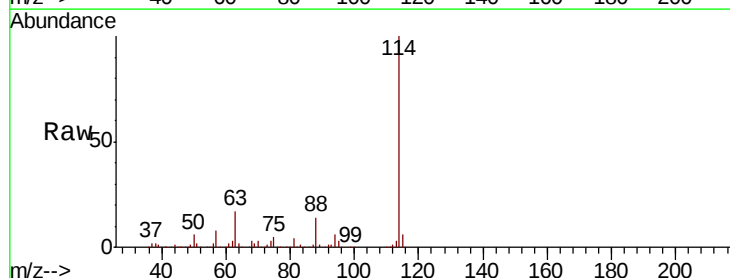
Tgt Ion: 114 Resp: 367620

Ion Ratio Lower Upper

114 100

63 17.1 0.0 47.4

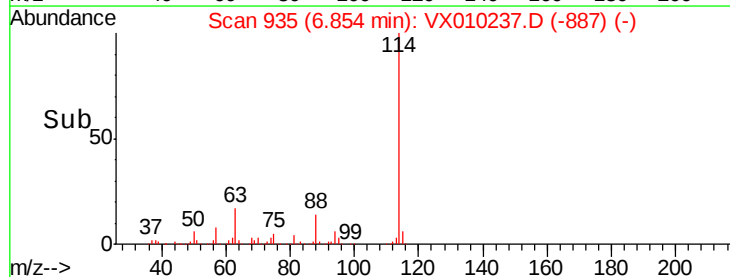
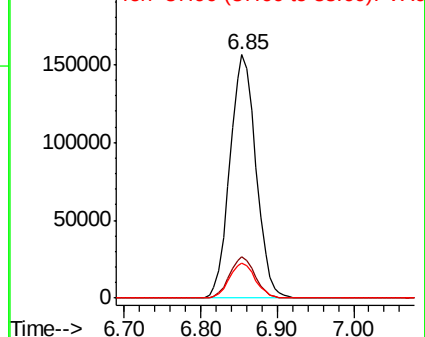
88 14.2 0.0 33.0

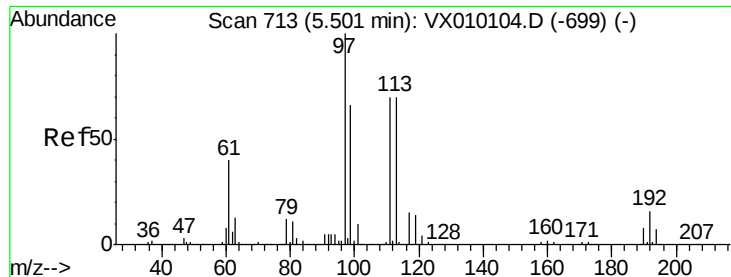


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.054 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

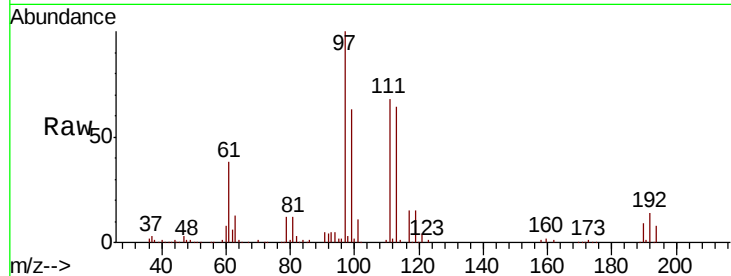
Tot Ion:113 Resp: 99896

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.2

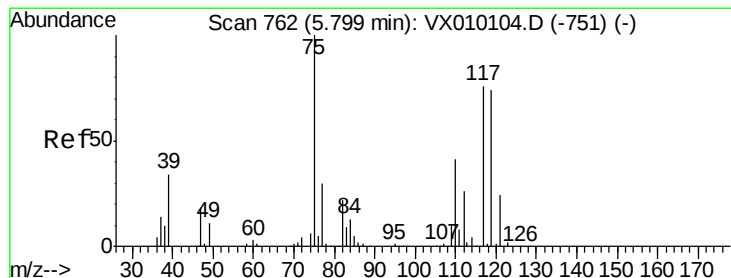
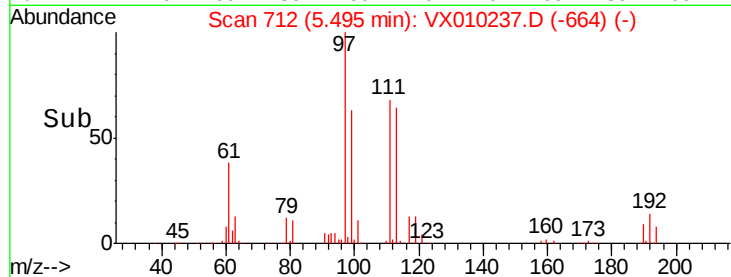
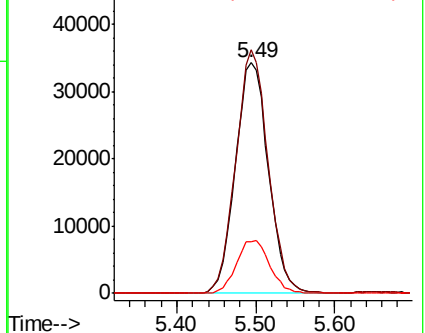
192 23.4 17.1 25.7



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: 45.056 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

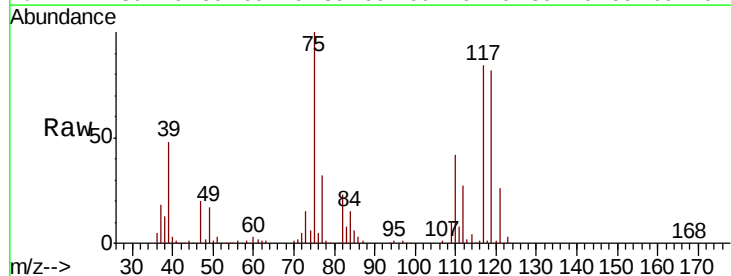
Tgt Ion: 75 Resp: 135134

Ion Ratio Lower Upper

75 100

110 42.0 16.7 50.1

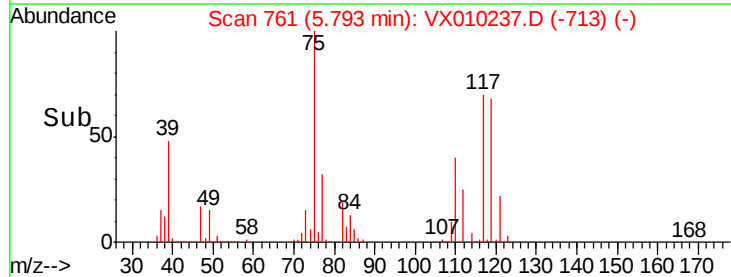
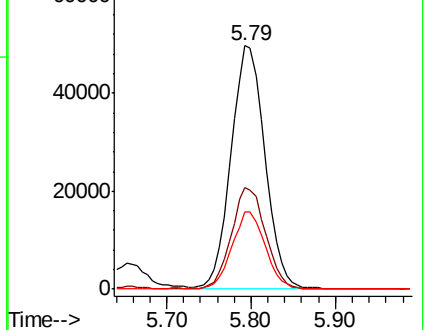
77 31.3 25.0 37.4

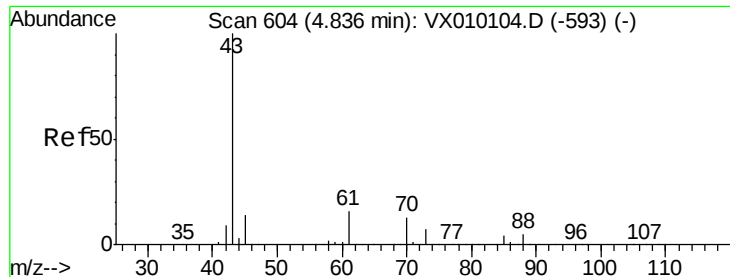


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 44.470 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

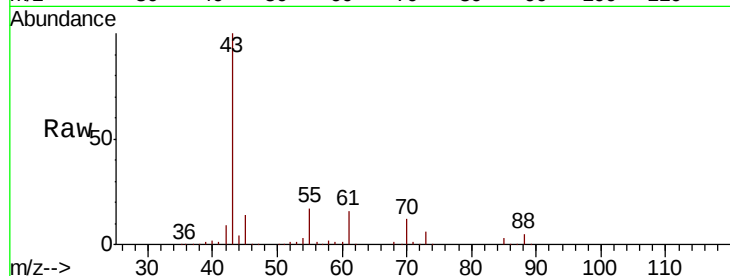
Tot Ion: 43 Resp: 138774

Ion Ratio Lower Upper

43 100

61 15.5 10.2 15.2#

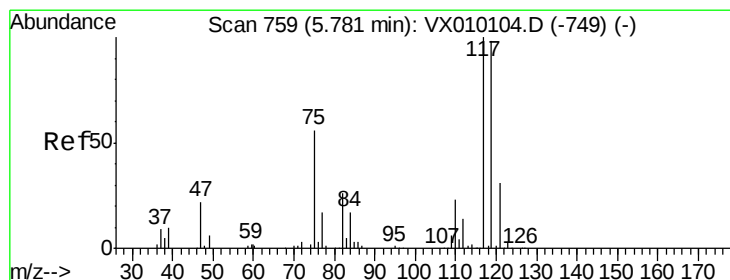
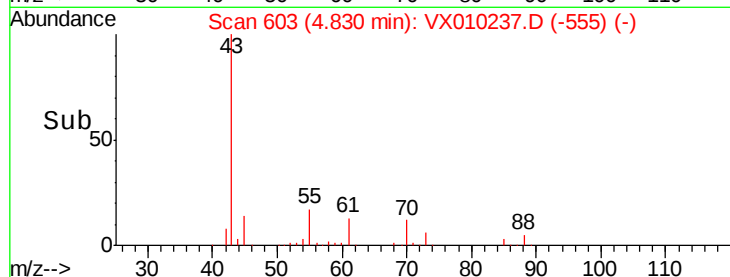
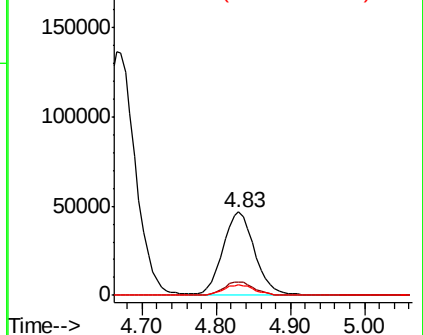
70 12.6 7.4 11.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 44.640 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

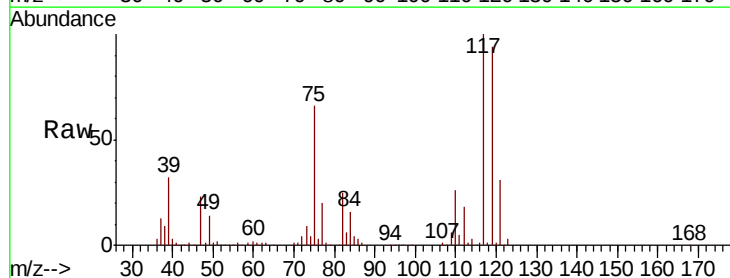
Tgt Ion: 117 Resp: 151541

Ion Ratio Lower Upper

117 100

119 93.7 77.3 115.9

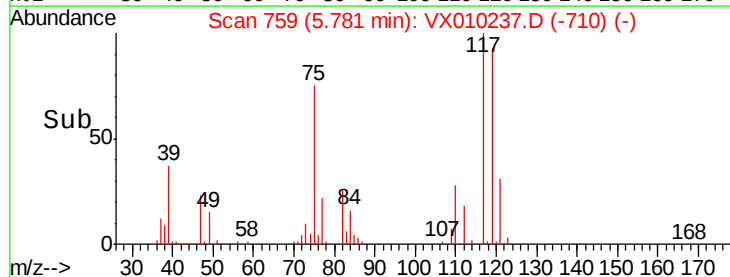
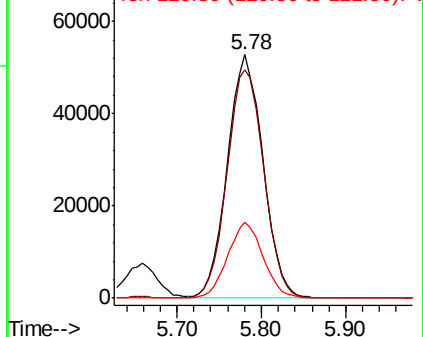
121 31.0 25.4 38.0

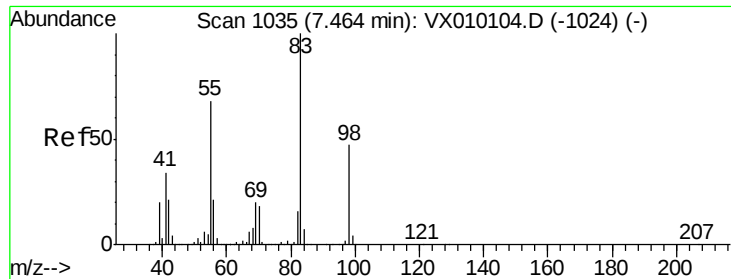


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

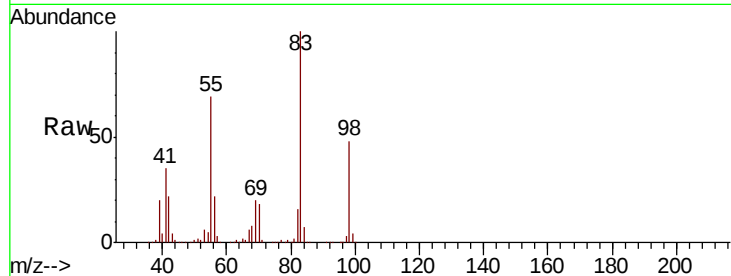




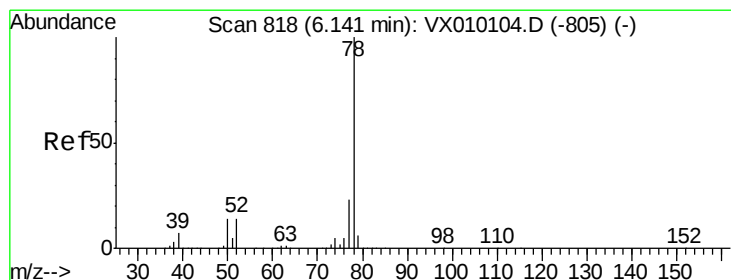
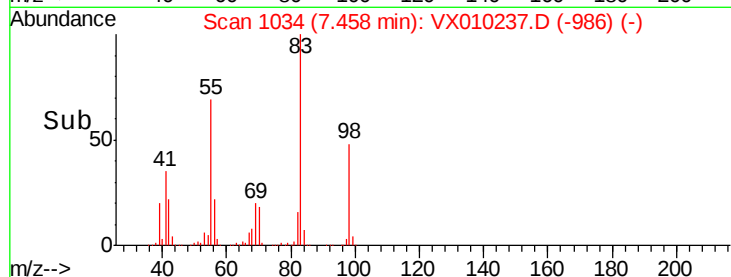
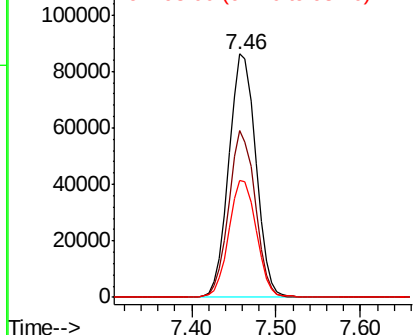
#39
Methylvlcvclohexane
Concen: 45.862 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 187300
Ion Ratio Lower Upper
83 100
55 68.7 69.9 104.9#
98 48.2 35.1 52.7

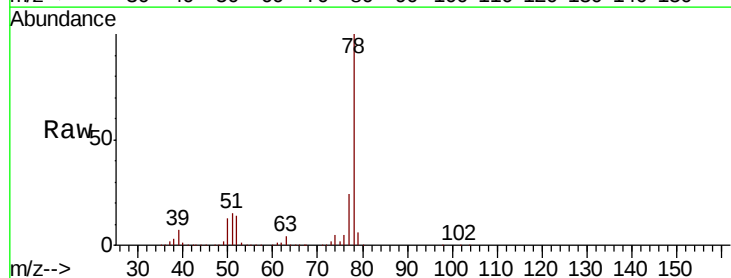


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

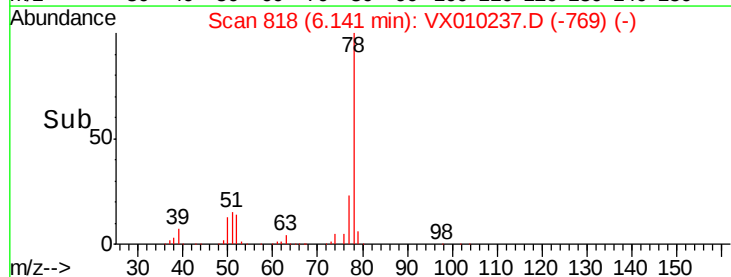
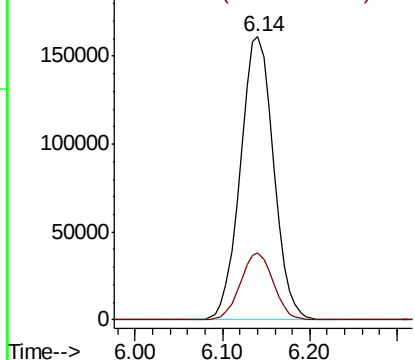


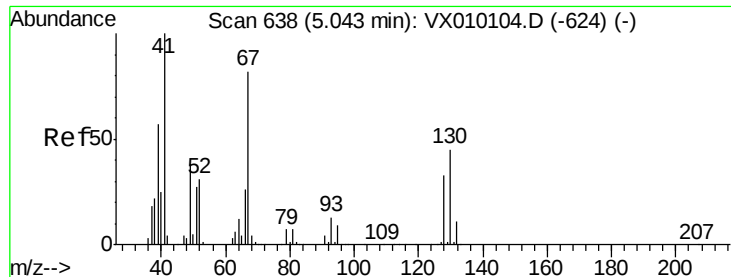
#40
Benzene
Concen: 45.935 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Tgt Ion: 78 Resp: 426005
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

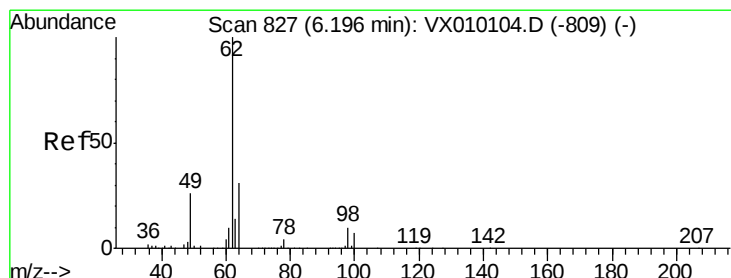
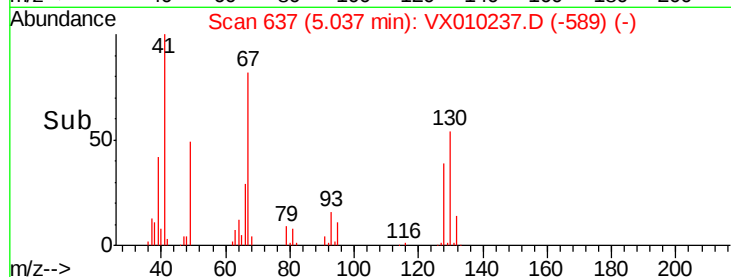
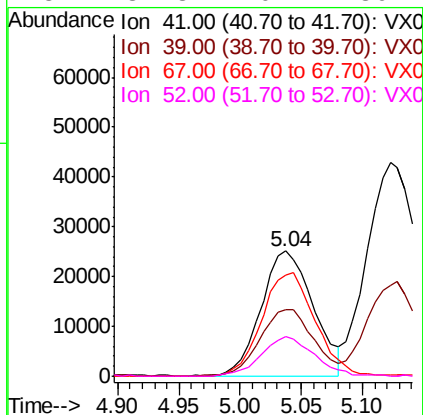
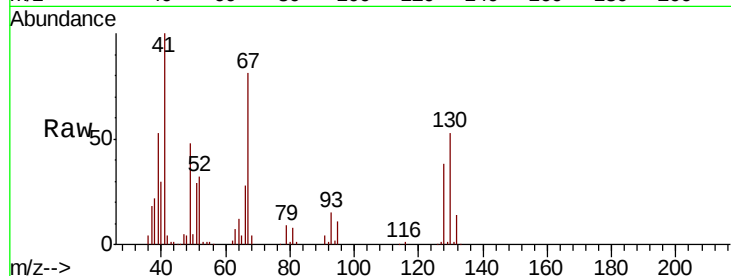




#41
Methacrylonitrile
Concen: 44.311 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

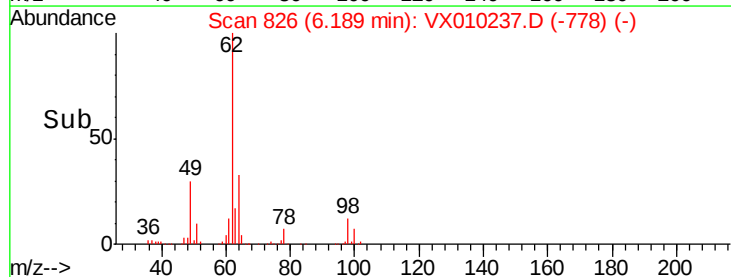
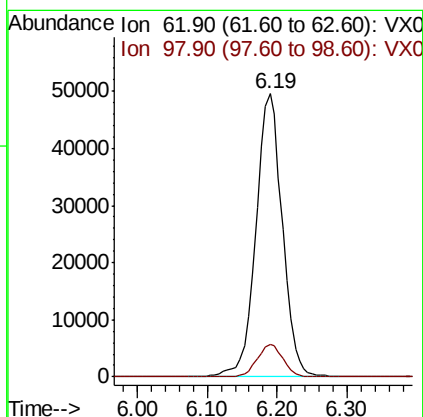
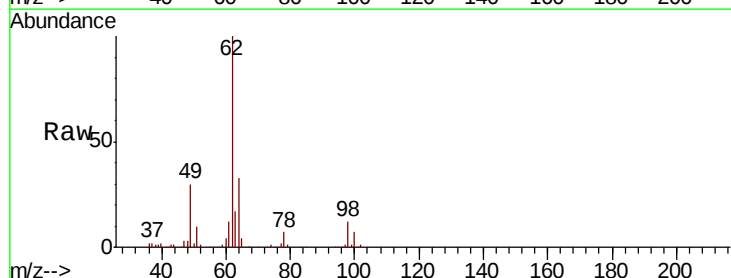
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

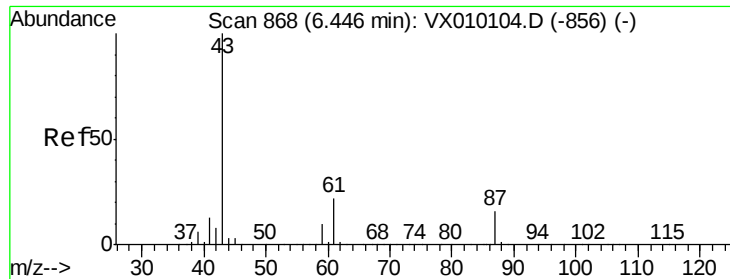
Tot Ion: 41 Resp: 74798
Ion Ratio Lower Upper
41 100
39 53.9 42.2 63.4
67 85.2 48.9 73.3#
52 32.3 20.1 30.1#



#42
1,2-Dichloroethane
Concen: 44.060 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Tgt Ion: 62 Resp: 130452
Ion Ratio Lower Upper
62 100
98 11.2 0.0 17.2





#43

Isopropyl Acetate

Concen: 44.243 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

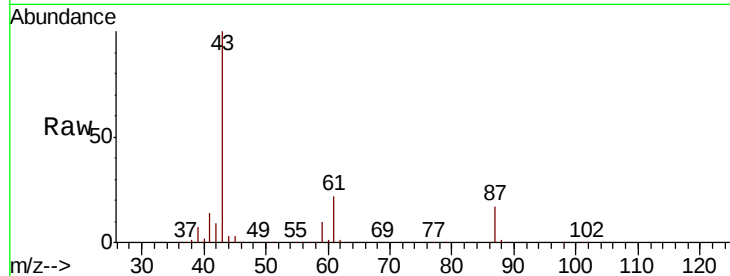
Tot Ion: 43 Resp: 230845

Ion Ratio Lower Upper

43 100

61 22.8 14.6 21.8#

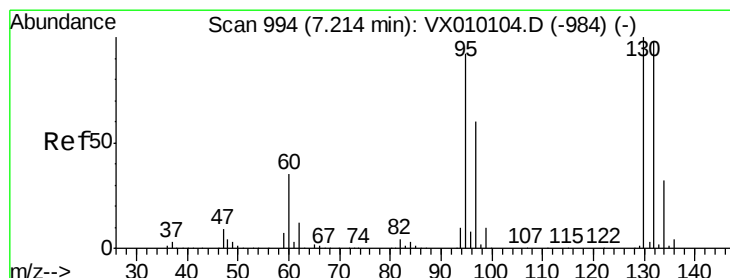
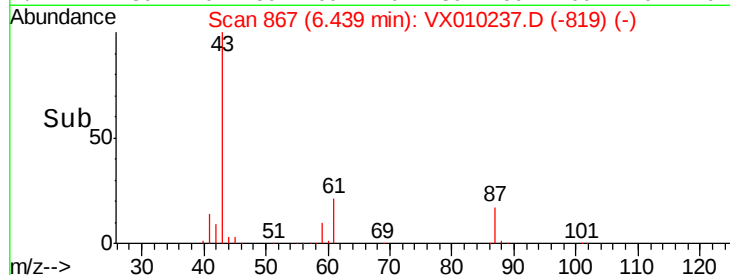
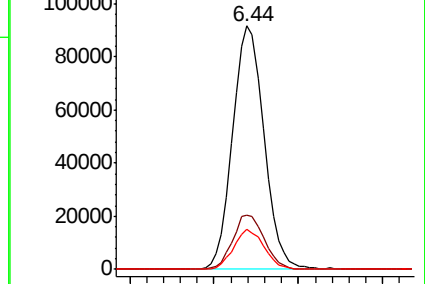
87 15.9 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 46.420 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX010237.D

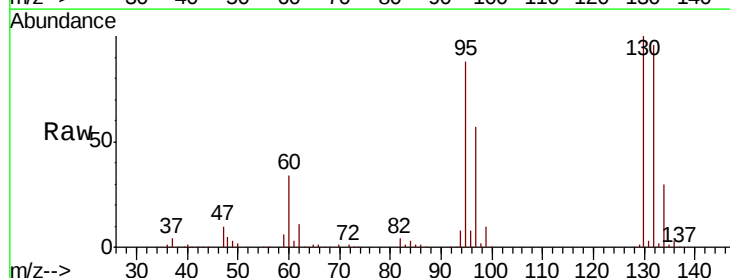
Acq: 11 Jun 2019 17:12

Tgt Ion:130 Resp: 129766

Ion Ratio Lower Upper

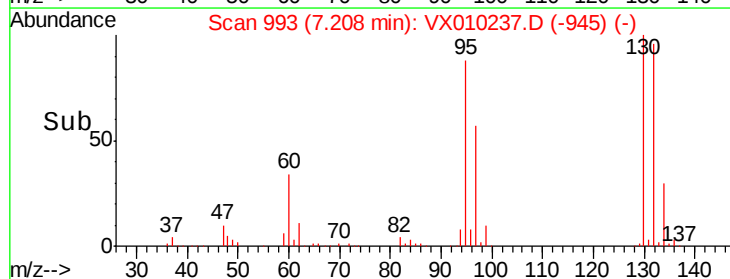
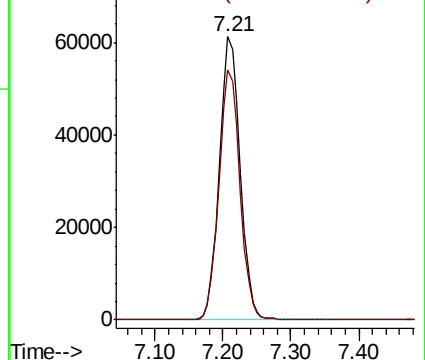
130 100

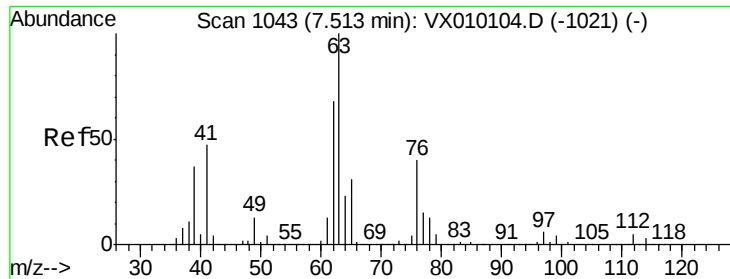
95 88.4 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

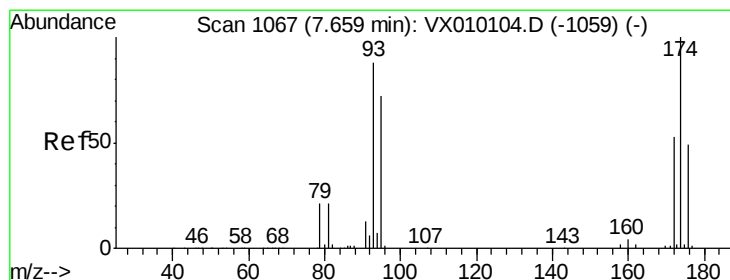
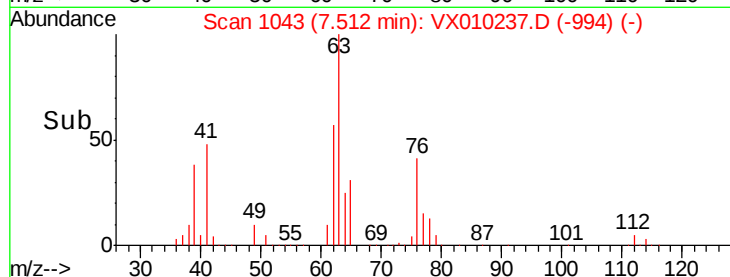
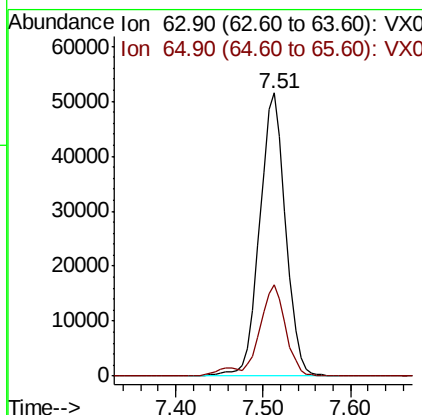
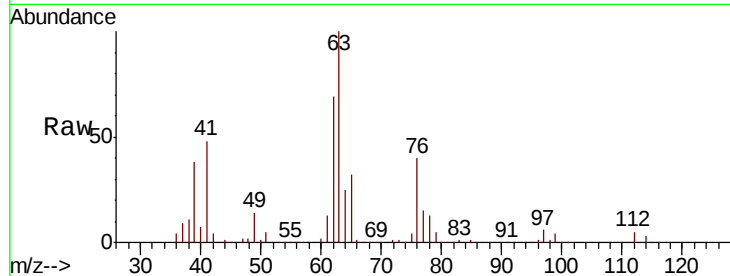




#45
 1,2-Dichloropropane
 Concen: 45.664 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010237.D
 Acq: 11 Jun 2019 17:12

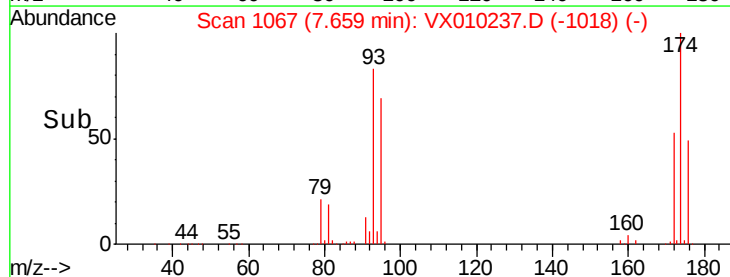
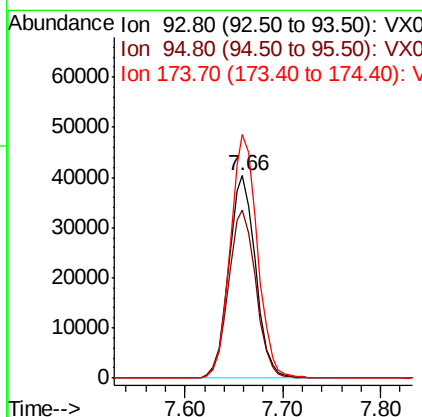
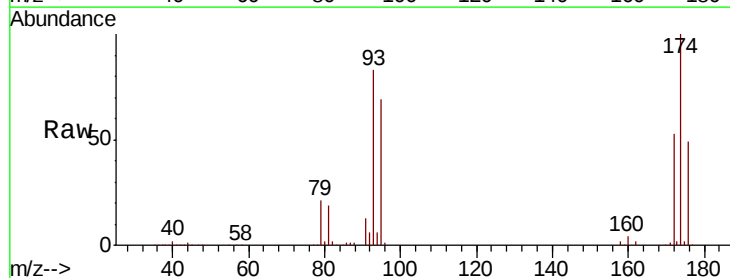
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

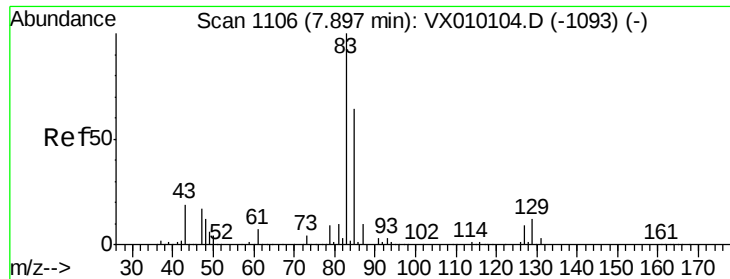
Tot Ion: 63 Resp: 105997
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.7 38.5



#46
 Dibromomethane
 Concen: 44.003 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010237.D
 Acq: 11 Jun 2019 17:12

Tgt Ion: 93 Resp: 76523
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.8 100.2
 174 121.6 81.9 122.9





#47

Bromodichloromethane

Concen: 44.696 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

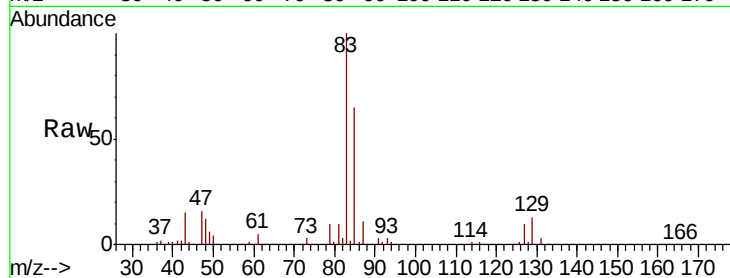
Tot Ion: 83 Resp: 145241

Ion Ratio Lower Upper

83 100

85 65.1 51.4 77.2

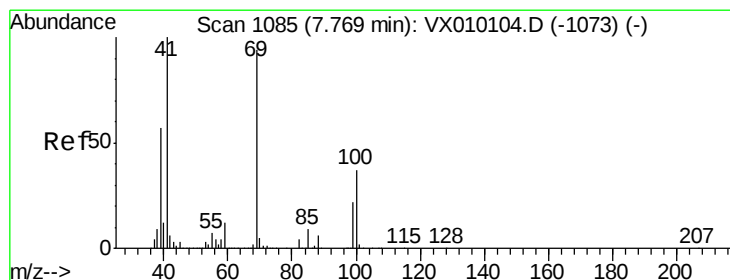
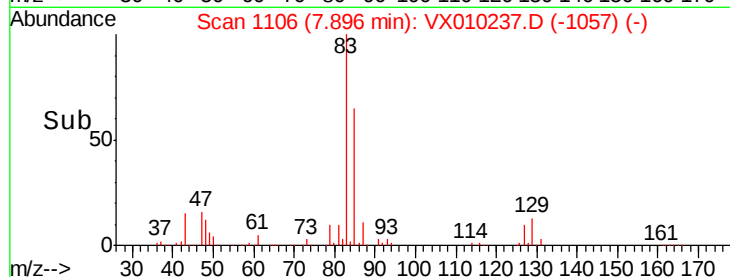
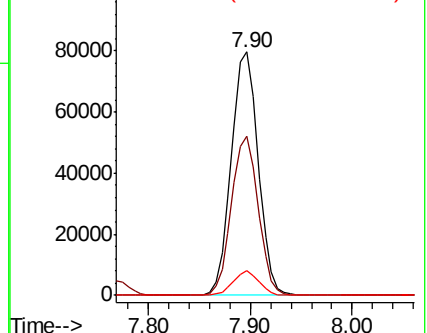
127 10.0 6.4 9.6#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 44.455 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

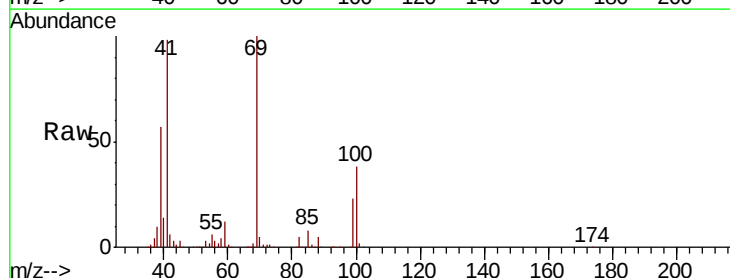
Tgt Ion: 41 Resp: 108476

Ion Ratio Lower Upper

41 100

69 98.6 56.4 84.6#

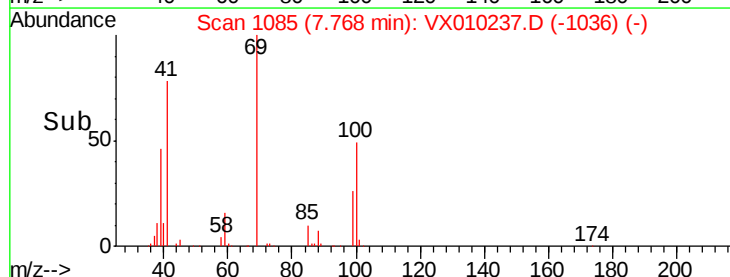
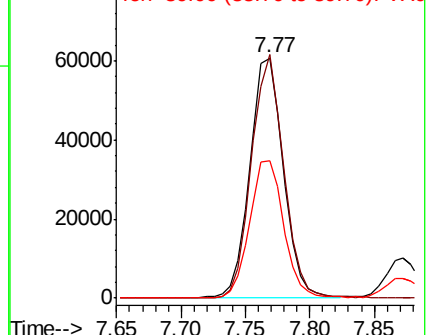
39 58.1 40.6 60.8

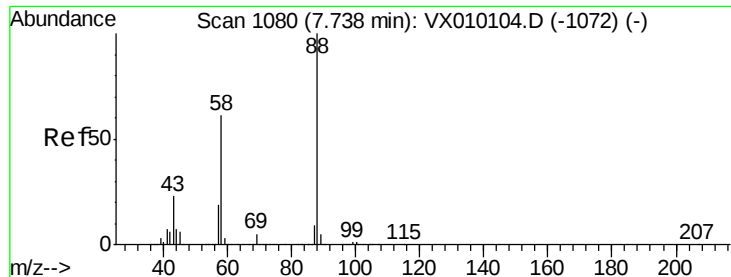


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 939.314 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

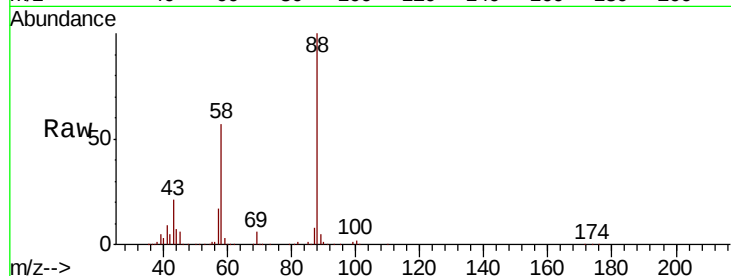
Tot Ion: 88 Resp: 65349

Ion Ratio Lower Upper

88 100

43 25.0 30.2 45.4#

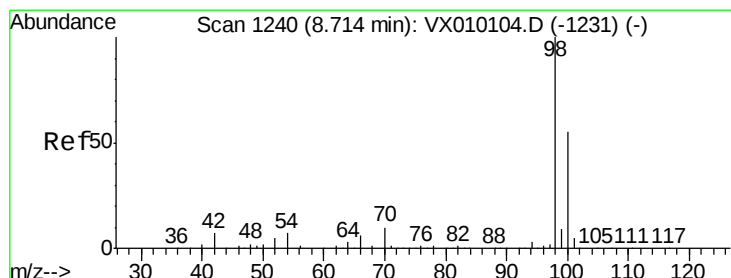
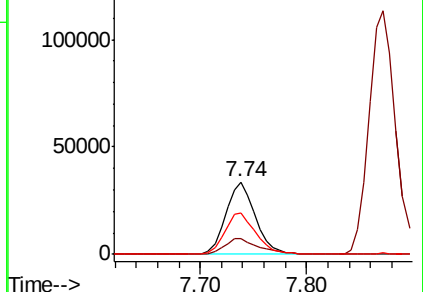
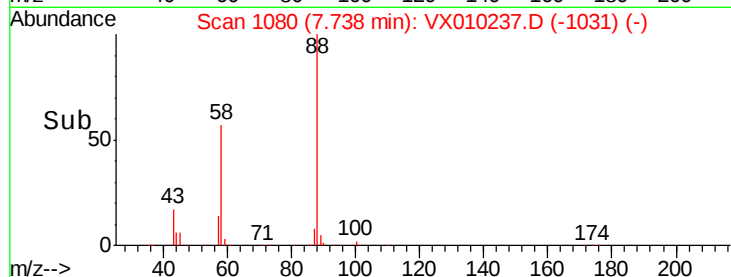
58 60.6 64.0 96.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 45.126 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010237.D

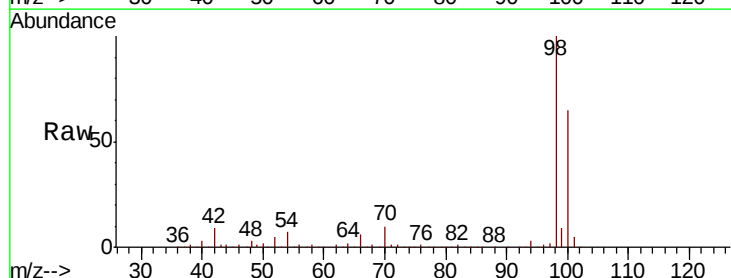
Acq: 11 Jun 2019 17:12

Tgt Ion: 98 Resp: 383504

Ion Ratio Lower Upper

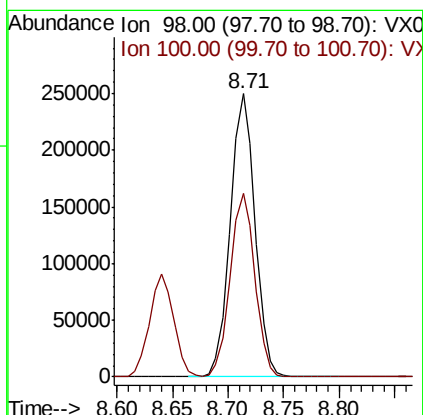
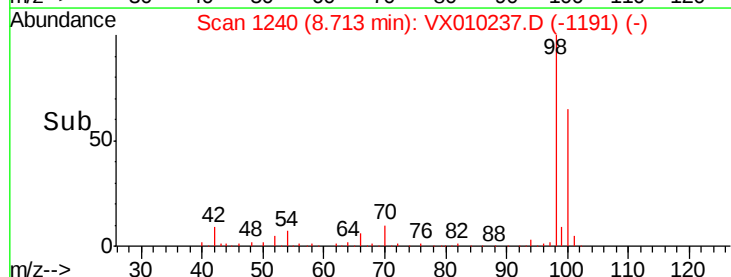
98 100

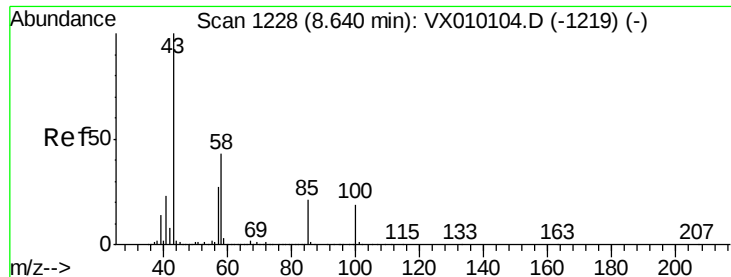
100 64.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

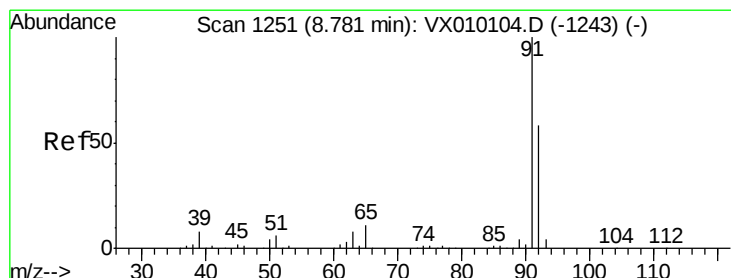
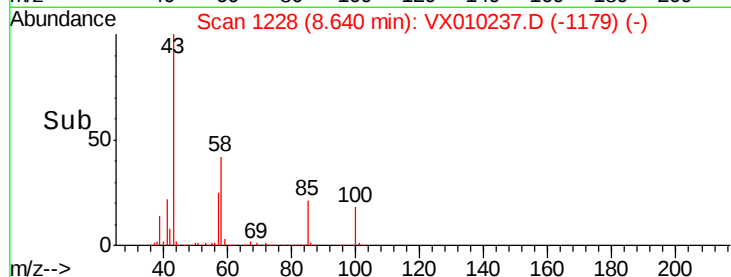
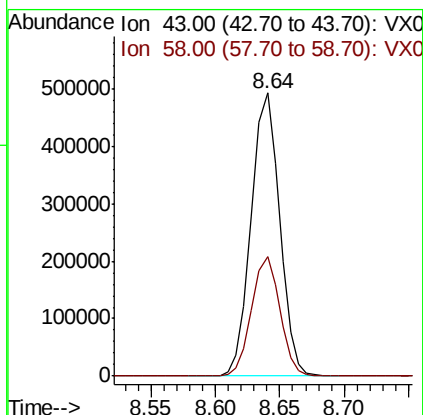
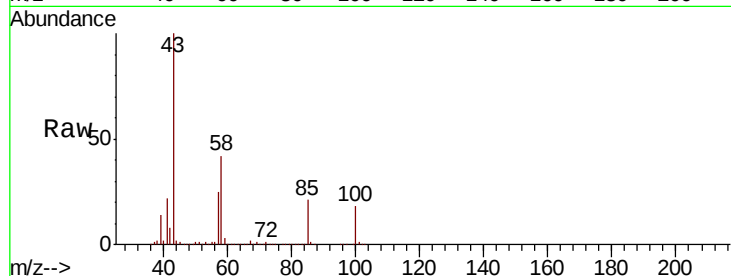




#51
4-Methyl-2-Pentanone
Concen: 240.841 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

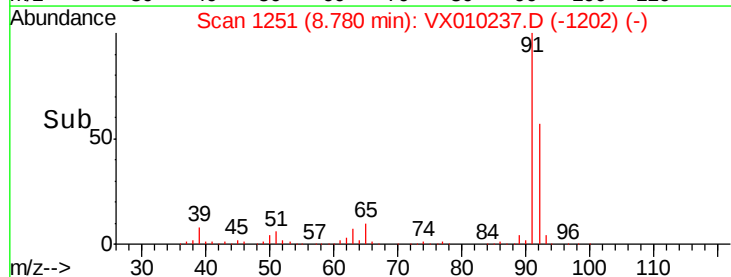
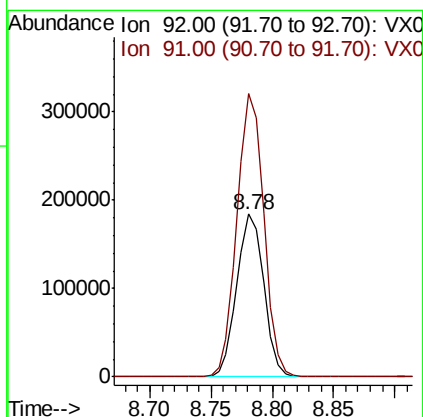
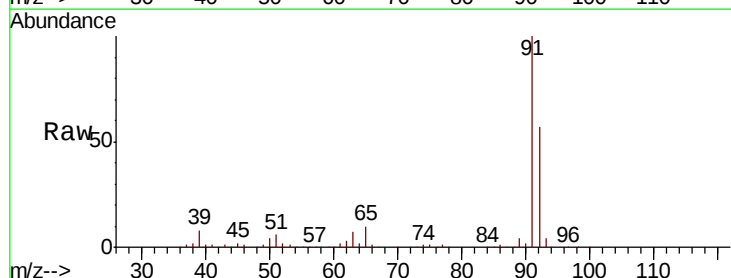
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

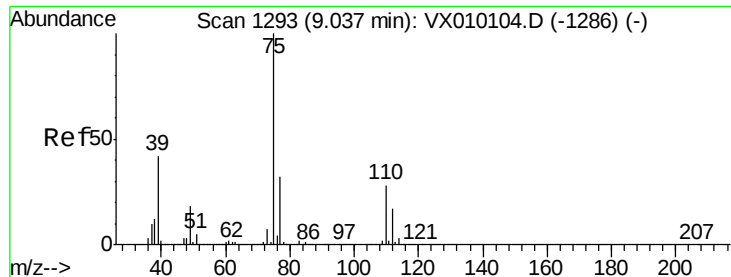
Tot Ion: 43 Resp: 750704
Ion Ratio Lower Upper
43 100
58 42.1 28.8 43.2



#52
Toluene
Concen: 46.298 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Tgt Ion: 92 Resp: 282250
Ion Ratio Lower Upper
92 100
91 173.7 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 43.814 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

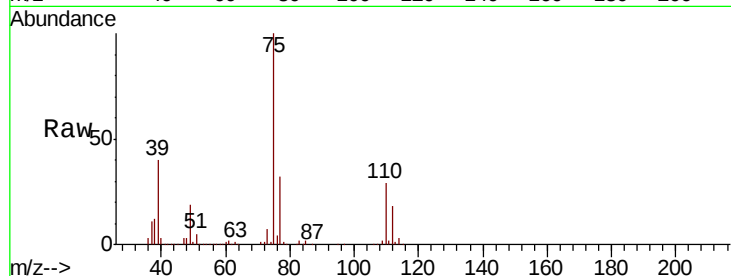
VSTDCCC050EC

Tot Ion: 75 Resp: 164682

Ion Ratio Lower Upper

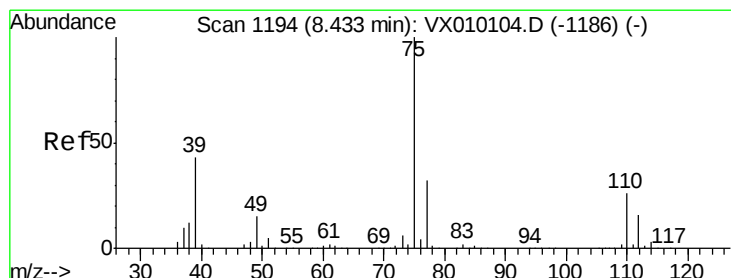
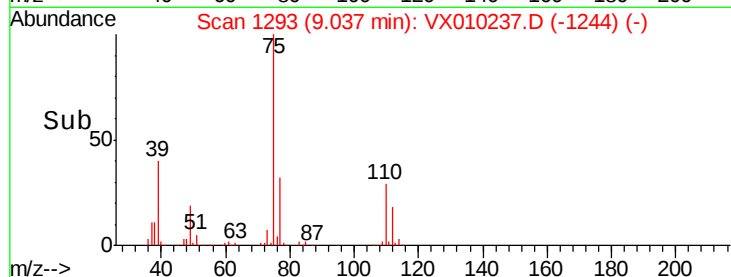
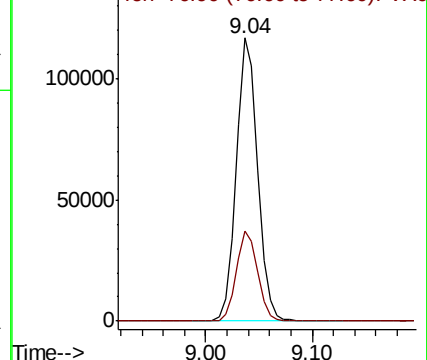
75 100

77 31.9 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 44.059 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

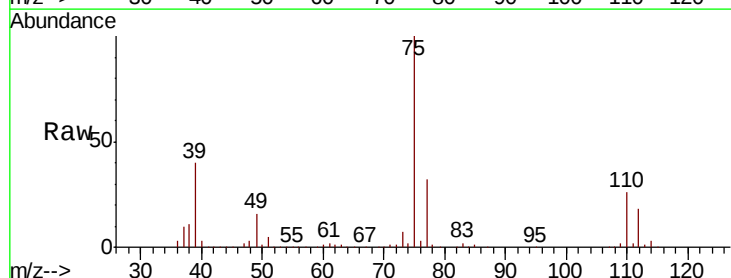
Tgt Ion: 75 Resp: 177534

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

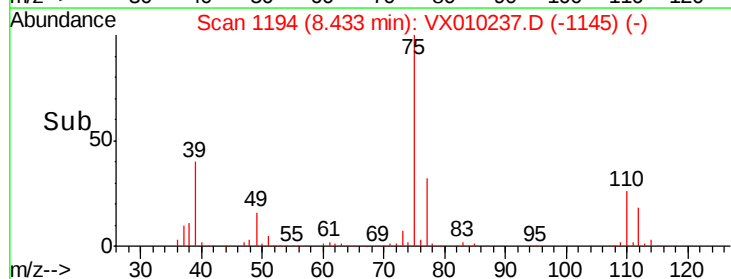
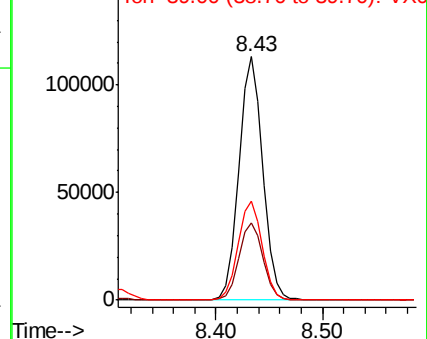
39 40.3 43.4 65.0#

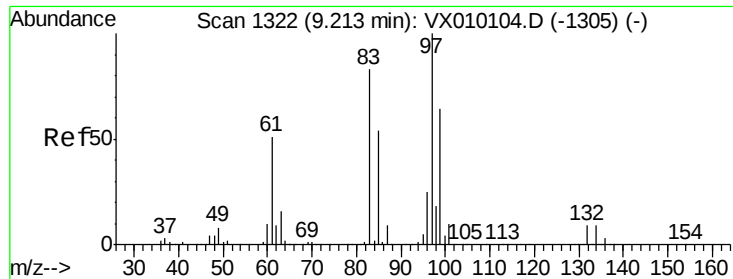


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

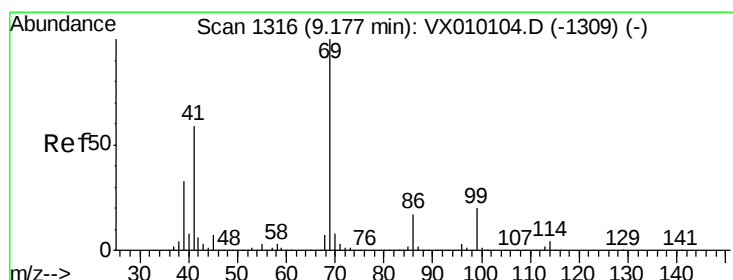
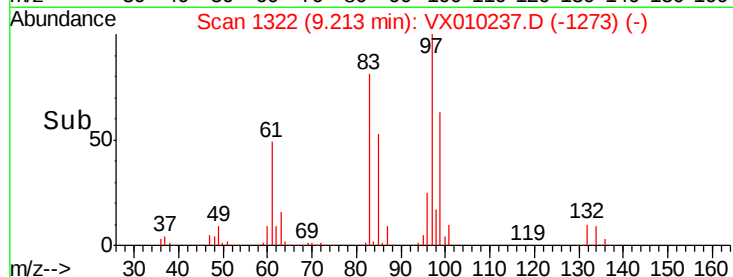
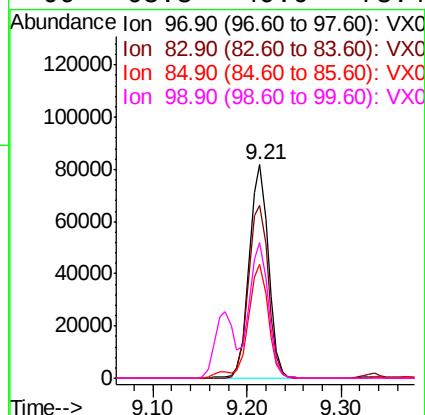
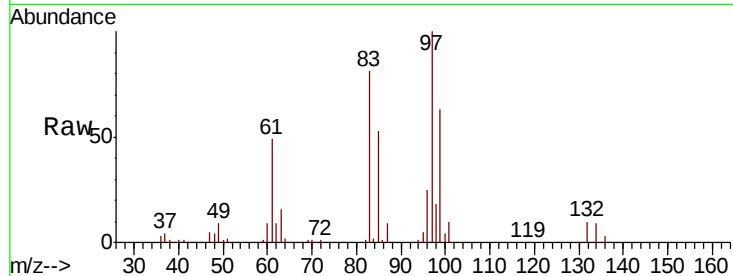




#55
 1,1,2-Trichloroethane
 Concen: 47.001 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010237.D
 Acq: 11 Jun 2019 17:12

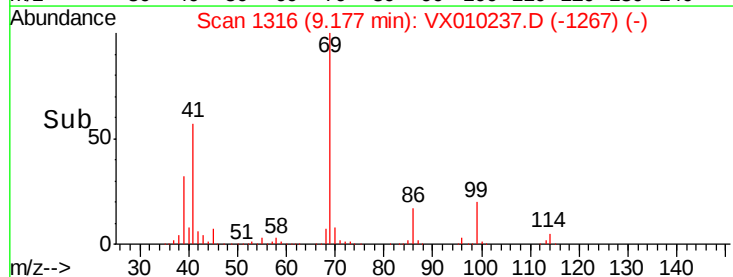
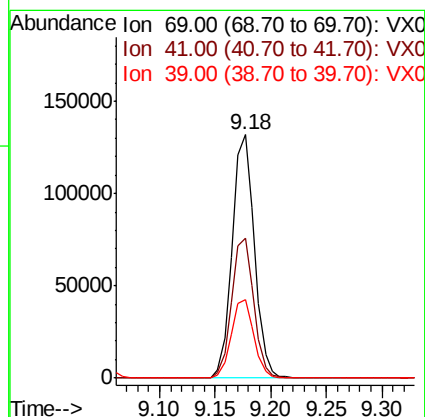
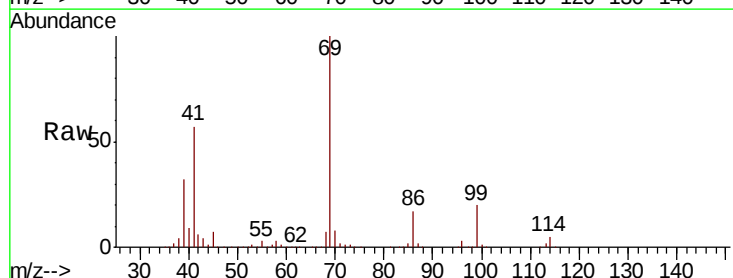
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

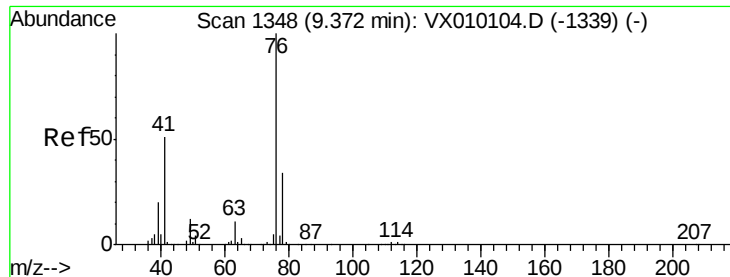
Tot Ion:	97	Resp:	117349
Ion	Ratio	Lower	Upper
97	100		
83	81.2	69.8	104.8
85	53.4	45.3	67.9
99	63.3	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 46.152 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010237.D
 Acq: 11 Jun 2019 17:12

Tgt Ion:	69	Resp:	182019
Ion	Ratio	Lower	Upper
69	100		
41	57.3	62.7	94.1#
39	32.4	29.5	44.3





#57

1,3-Dichloropropane

Concen: 45.955 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

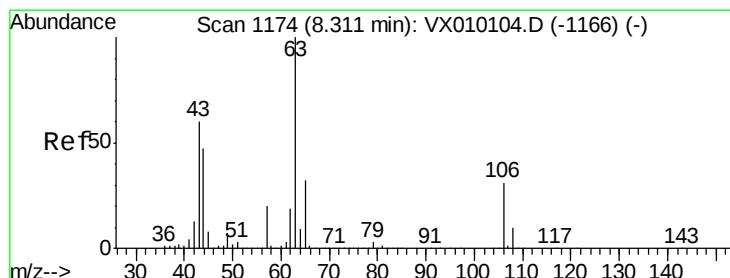
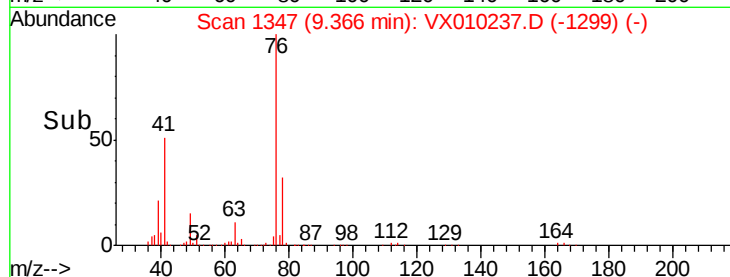
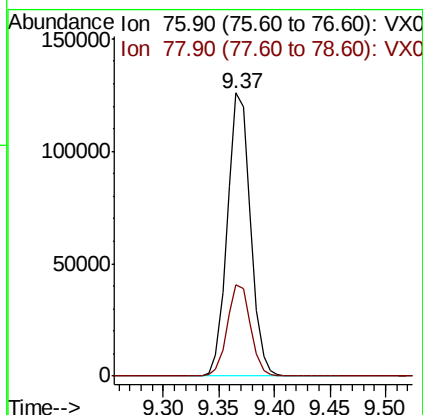
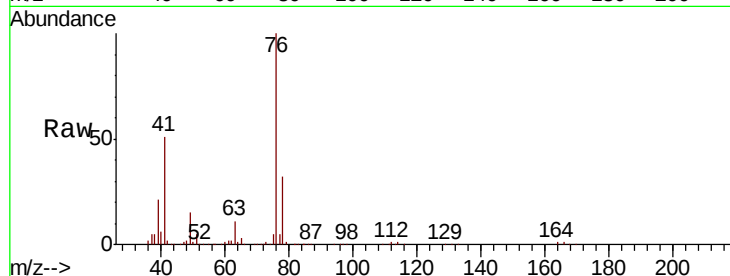
VSTDCCC050EC

Tot Ion: 76 Resp: 180636

Ion Ratio Lower Upper

76 100

78 32.5 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 228.343 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010237.D

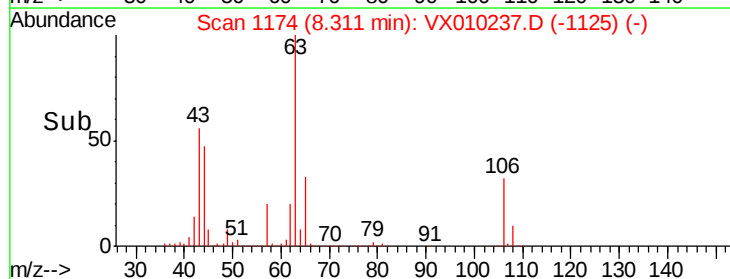
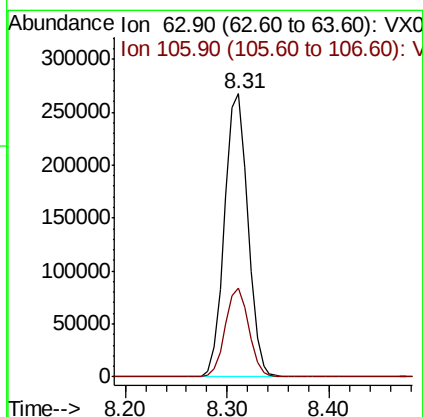
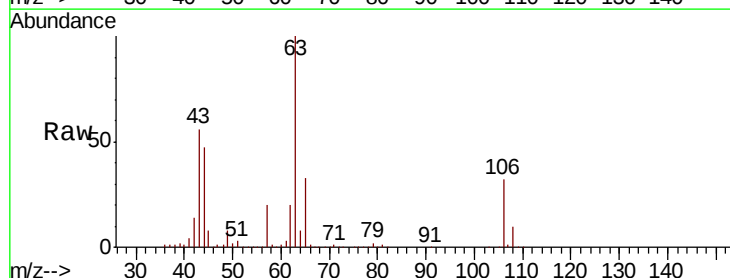
Acq: 11 Jun 2019 17:12

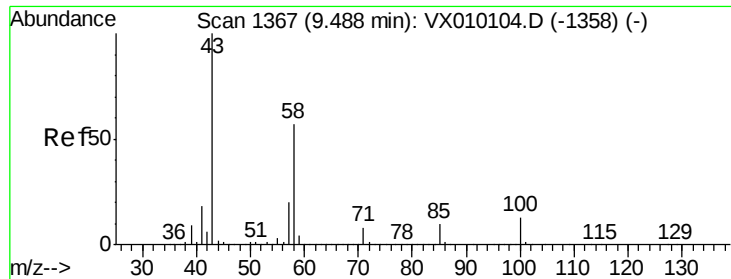
Tgt Ion: 63 Resp: 424551

Ion Ratio Lower Upper

63 100

106 31.4 19.4 29.2#

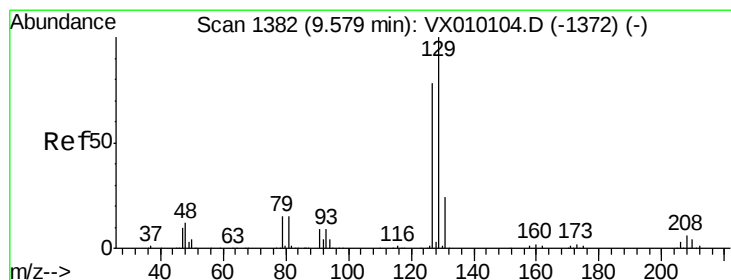
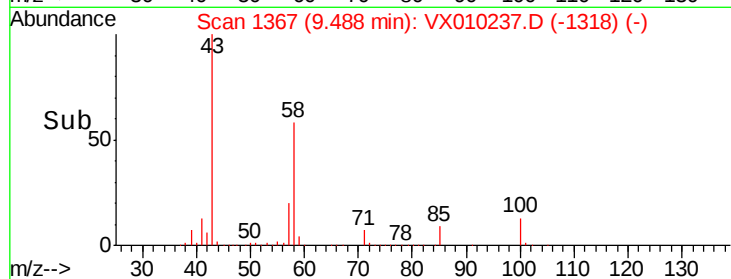
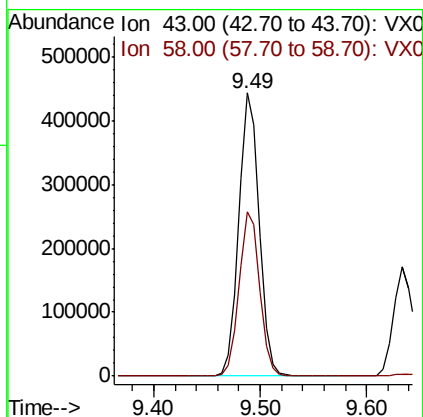
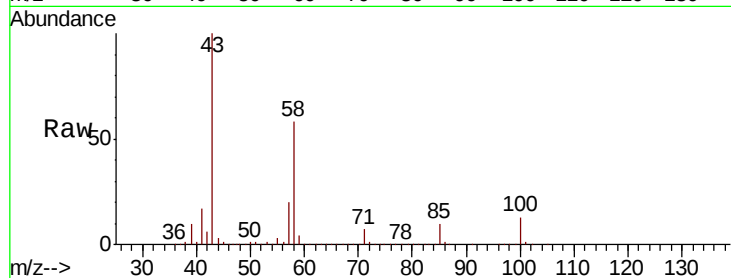




#59
2-Hexanone
Concen: 240.202 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

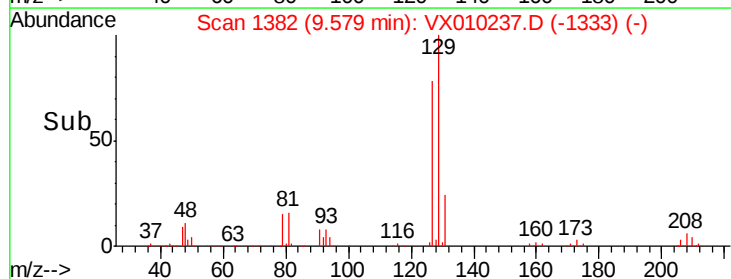
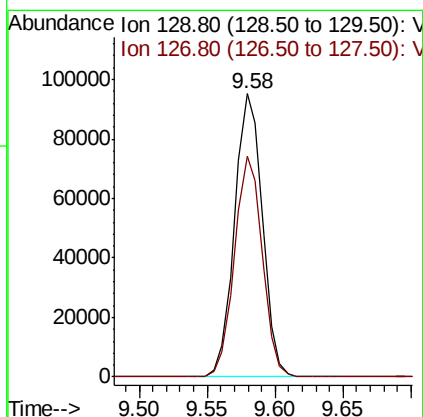
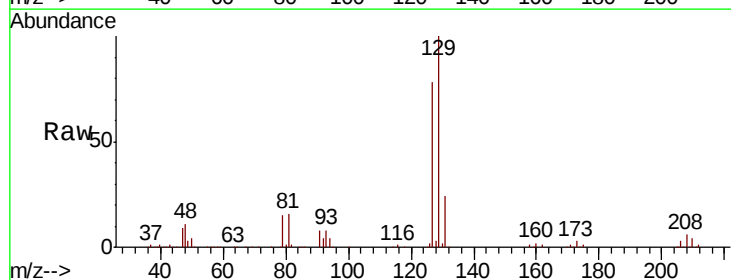
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

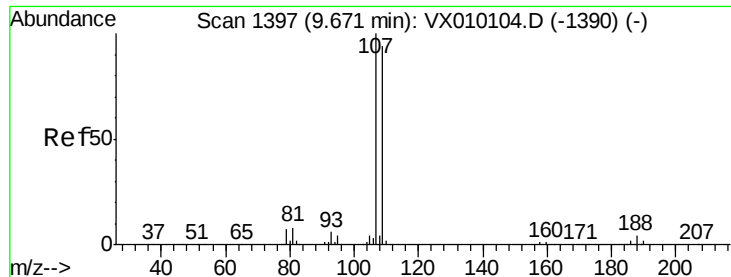
Tot Ion: 43 Resp: 596956
Ion Ratio Lower Upper
43 100
58 58.7 25.1 75.3



#60
Dibromochloromethane
Concen: 45.883 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Tgt Ion: 129 Resp: 135502
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 45.897 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

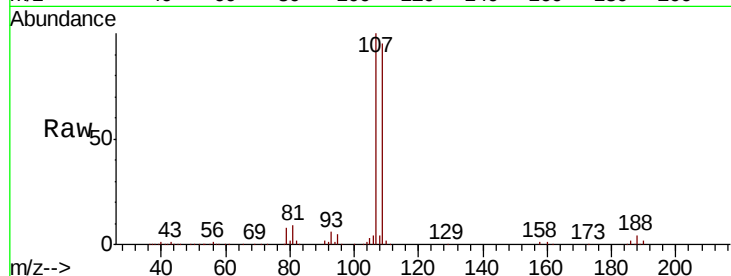
VSTDCCC050EC

Tot Ion:107 Resp: 127625

Ion Ratio Lower Upper

107 100

109 94.8 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

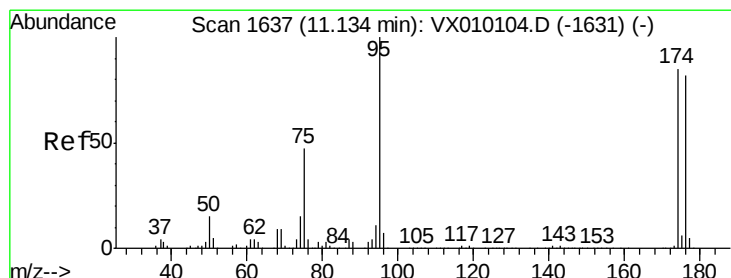
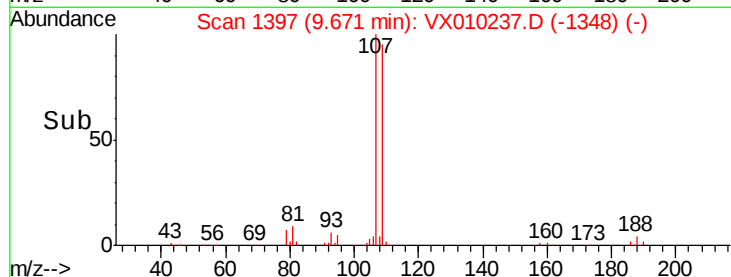
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.542 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

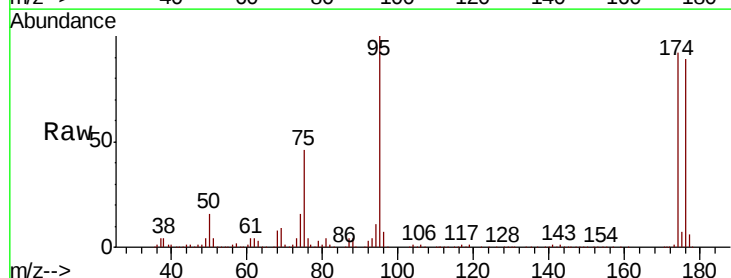
Tgt Ion: 95 Resp: 144544

Ion Ratio Lower Upper

95 100

174 96.0 0.0 160.4

176 92.7 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

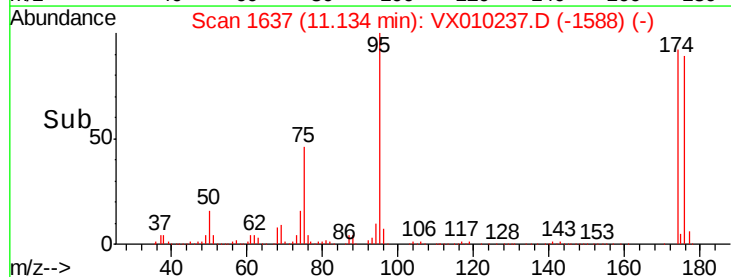
150000

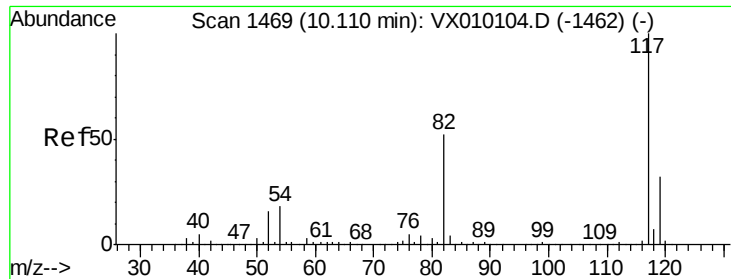
100000

50000

0

Time-->

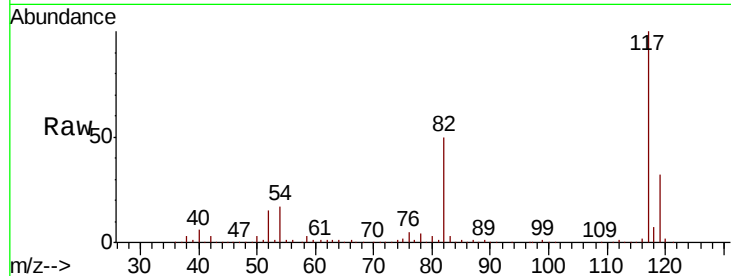




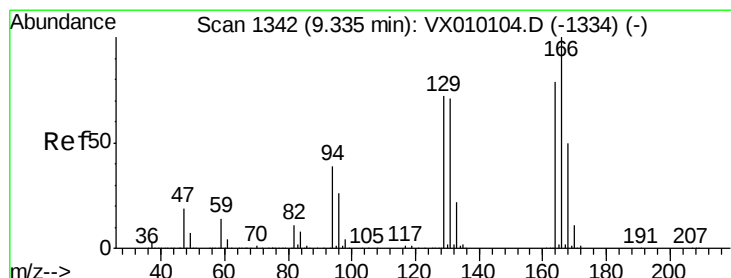
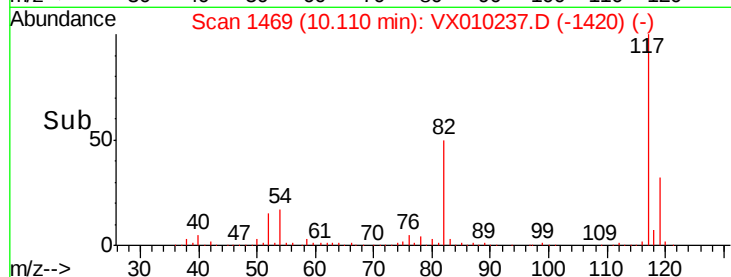
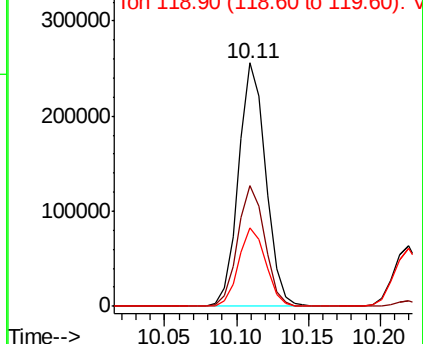
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 336763
Ion Ratio Lower Upper
117 100
82 49.7 49.2 73.8
119 32.0 25.2 37.8

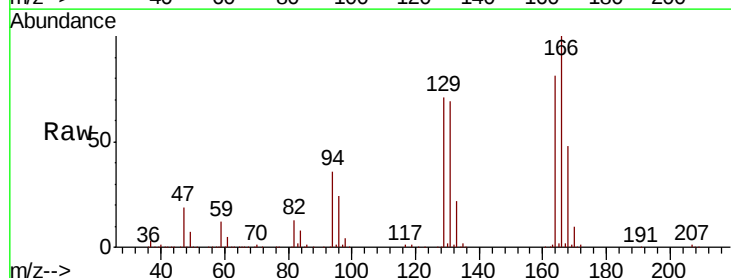


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

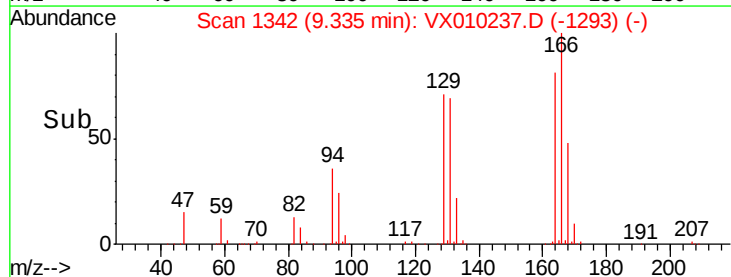
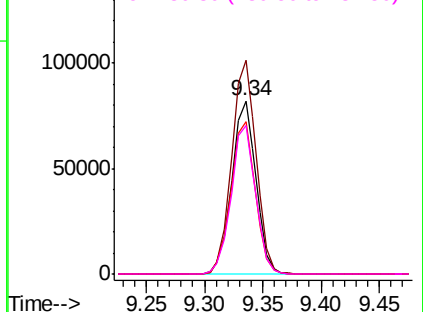


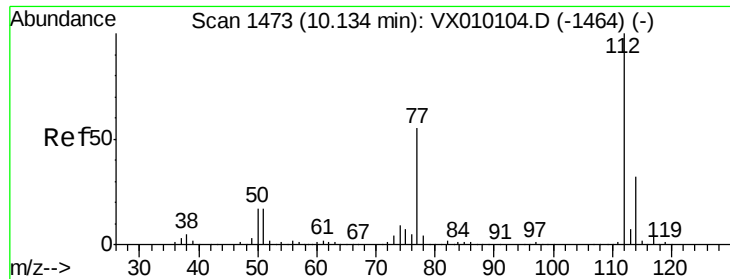
#64
Tetrachloroethene
Concen: 47.557 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Tgt Ion:164 Resp: 118949
Ion Ratio Lower Upper
164 100
166 123.1 105.0 157.4
129 87.8 75.1 112.7
131 85.4 72.2 108.4



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

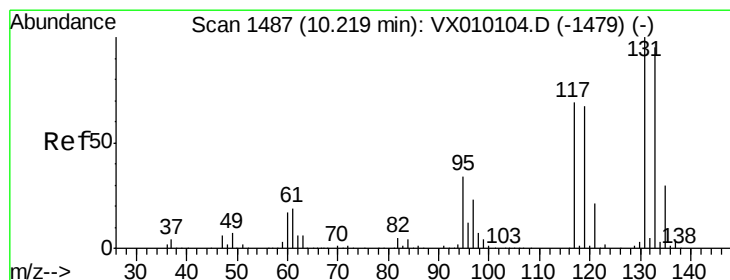
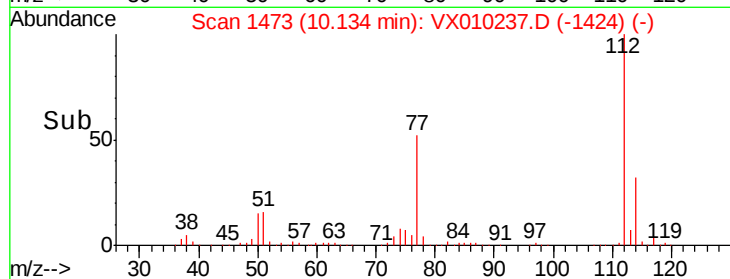
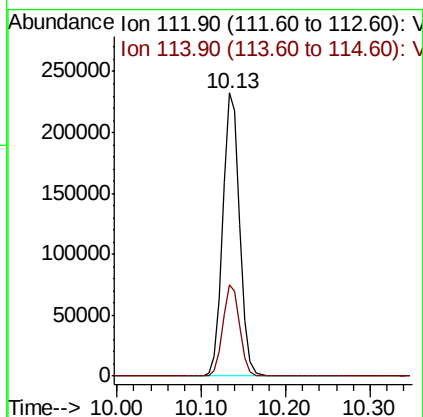
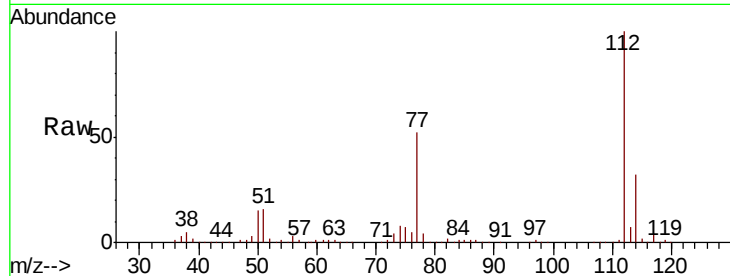




#65
Chlorobenzene
Concen: 46.443 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

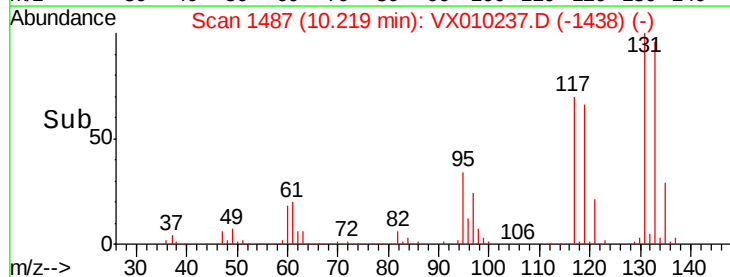
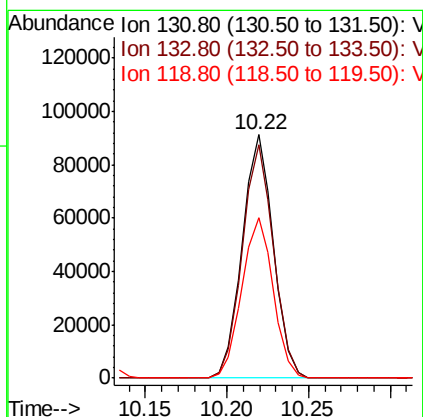
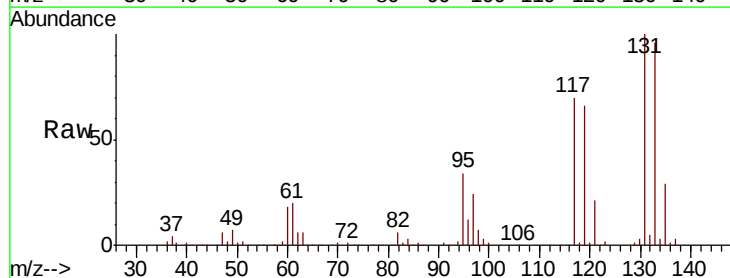
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

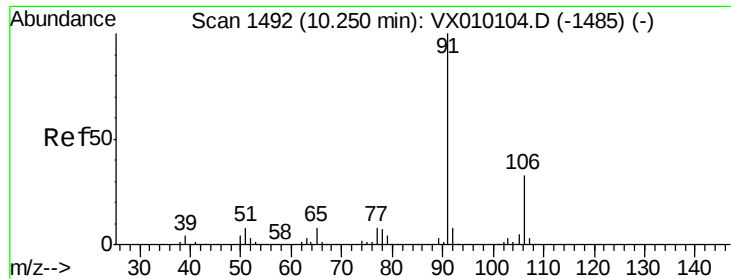
Tot Ion:112 Resp: 322803
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 45.482 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Tgt Ion:131 Resp: 121570
Ion Ratio Lower Upper
131 100
133 96.4 47.5 142.6
119 66.8 33.4 100.1

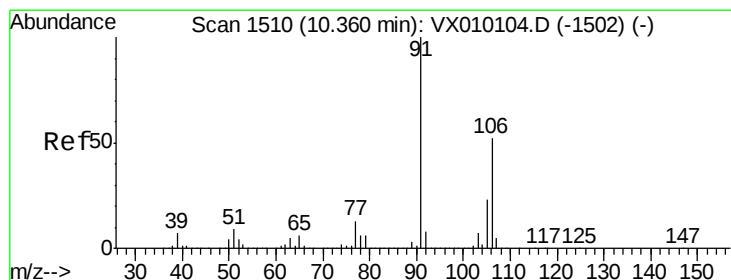
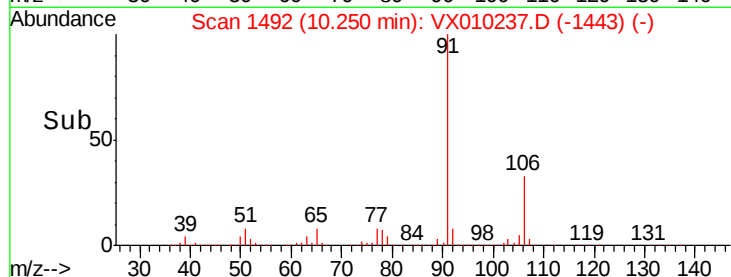
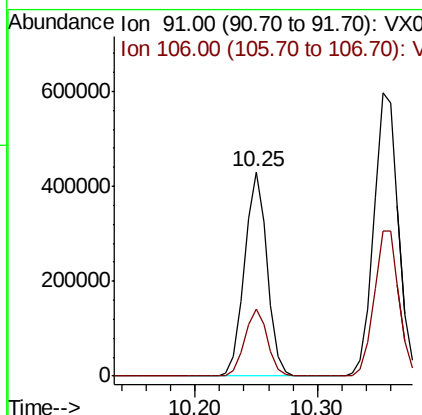
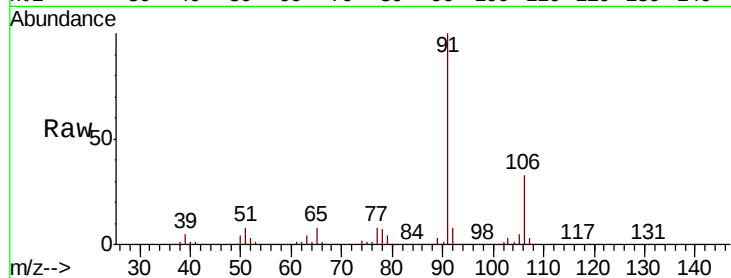




#67
Ethyl Benzene
Concen: 46.390 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

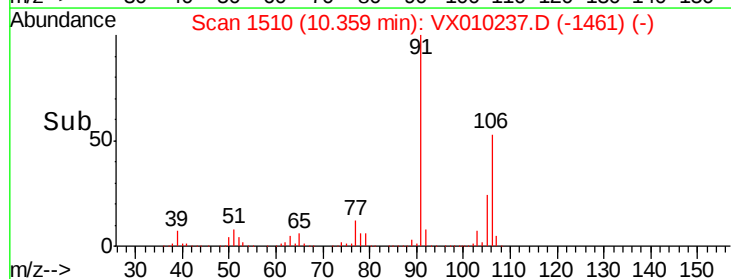
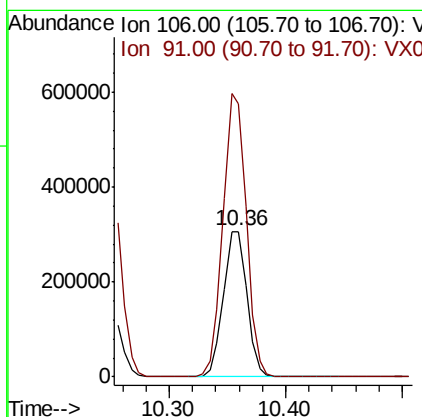
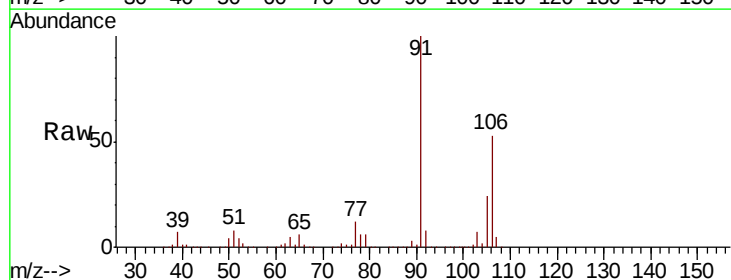
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

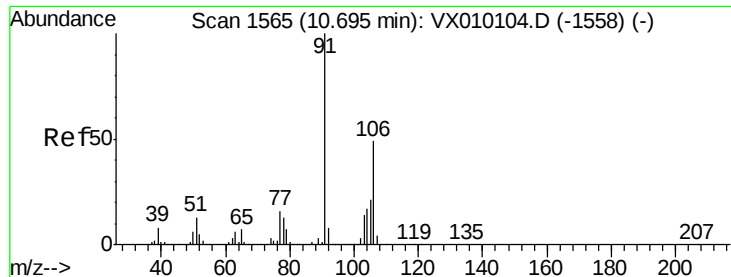
Tot Ion: 91 Resp: 548896
Ion Ratio Lower Upper
91 100
106 32.8 23.9 35.9



#68
m/p-Xylenes
Concen: 94.252 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Tgt Ion: 106 Resp: 431552
Ion Ratio Lower Upper
106 100
91 191.9 167.3 250.9

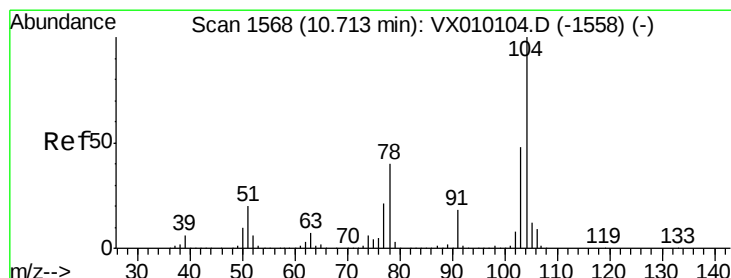
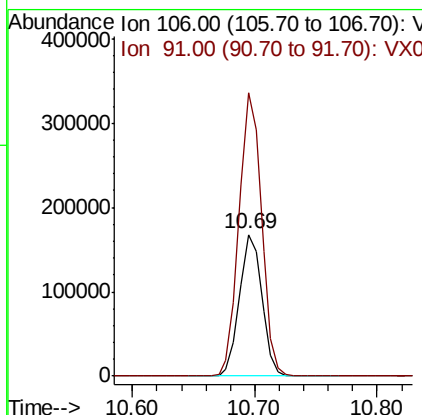
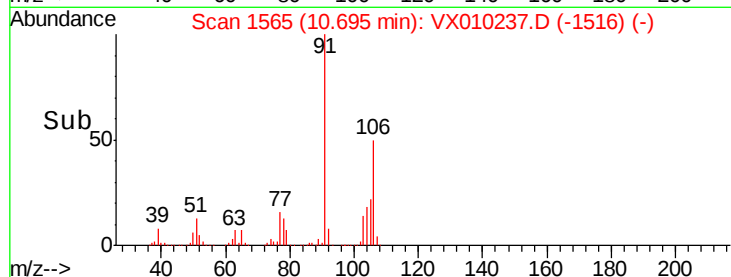
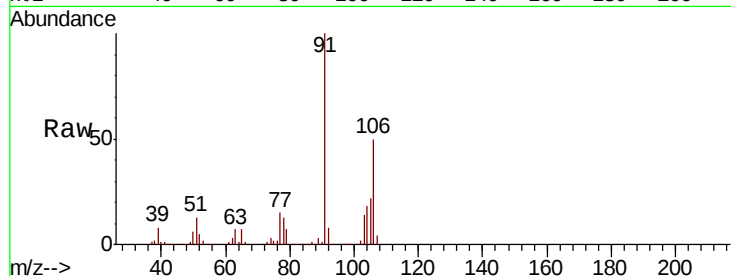




#69
o-Xylene
Concen: 46.905 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

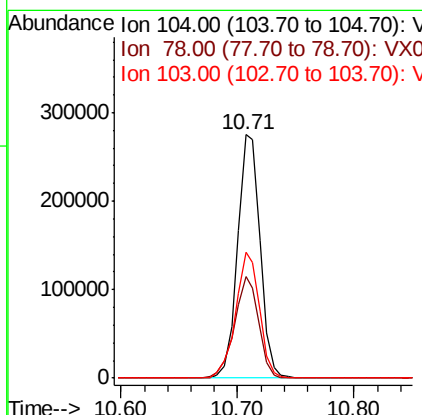
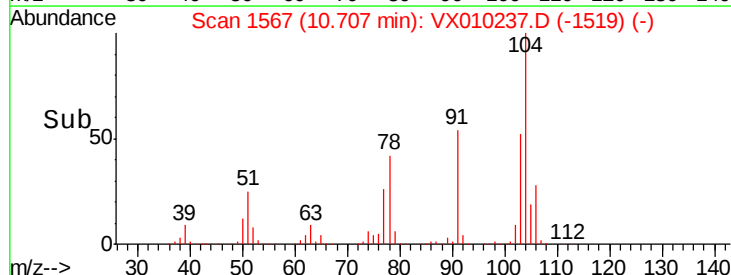
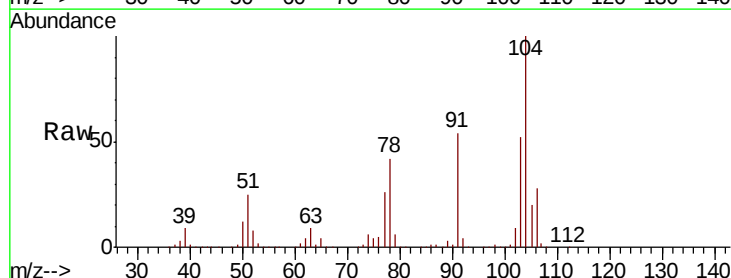
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

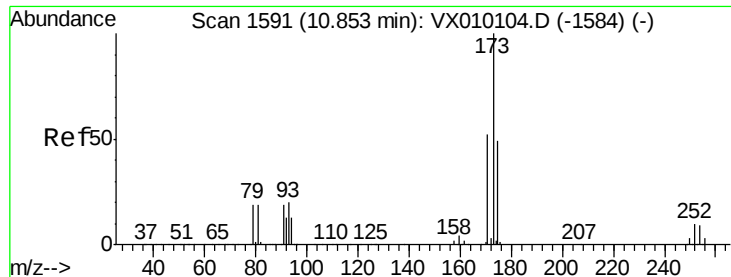
Tot Ion:106 Resp: 213489
Ion Ratio Lower Upper
106 100
91 200.3 110.4 331.2



#70
Styrene
Concen: 48.096 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Tgt Ion:104 Resp: 370757
Ion Ratio Lower Upper
104 100
78 44.5 42.1 63.1
103 54.3 44.1 66.1





#71

Bromoform

Concen: 47.104 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

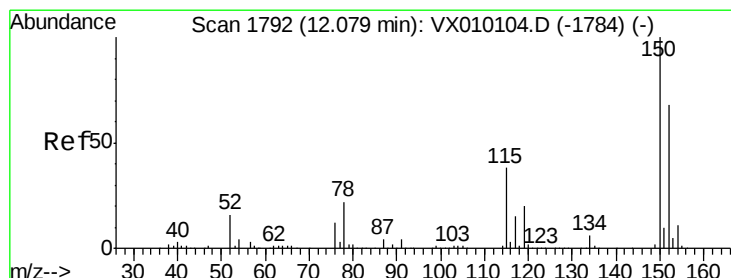
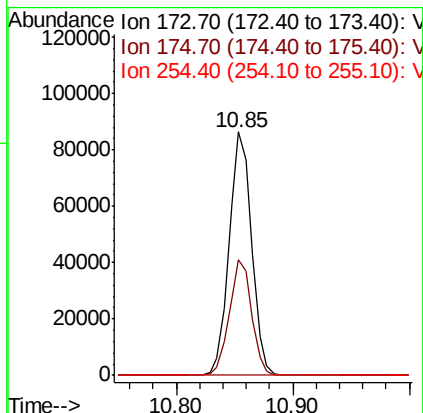
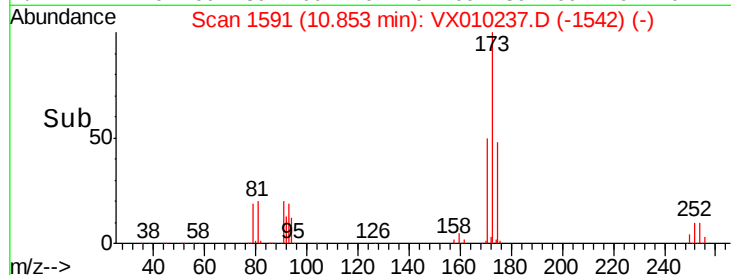
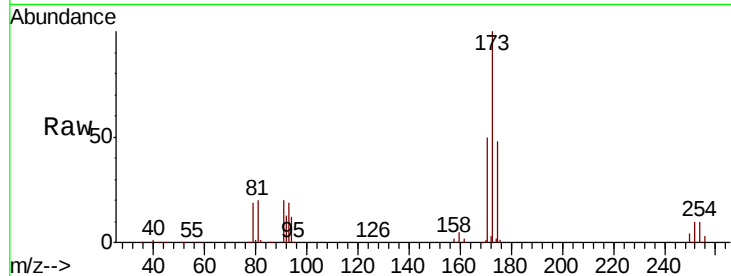
Tot Ion:173 Resp: 115745

Ion Ratio Lower Upper

173 100

175 47.4 25.0 75.0

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

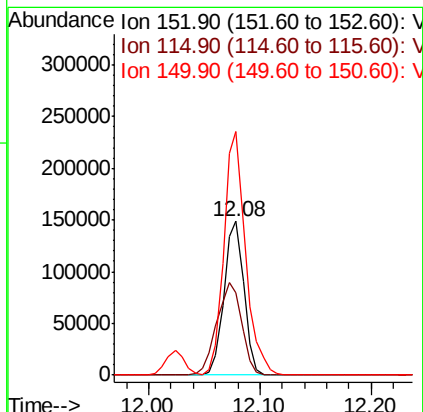
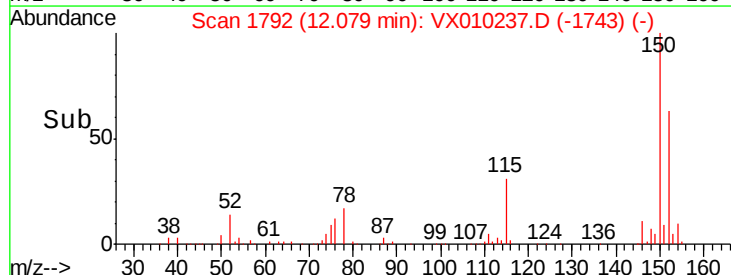
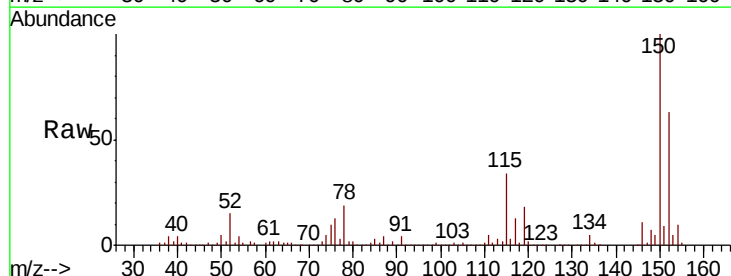
Tgt Ion:152 Resp: 183501

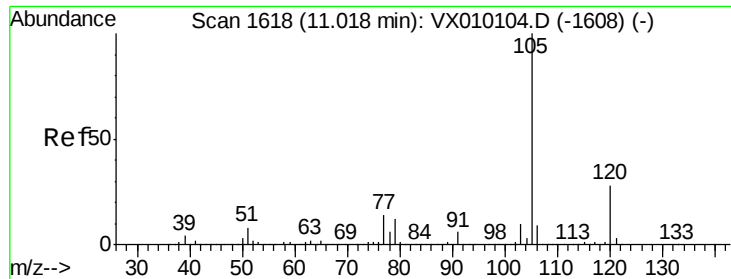
Ion Ratio Lower Upper

152 100

115 75.1 41.4 124.2

150 171.7 0.0 345.2





#73

Isopropylbenzene

Concen: 44.028 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

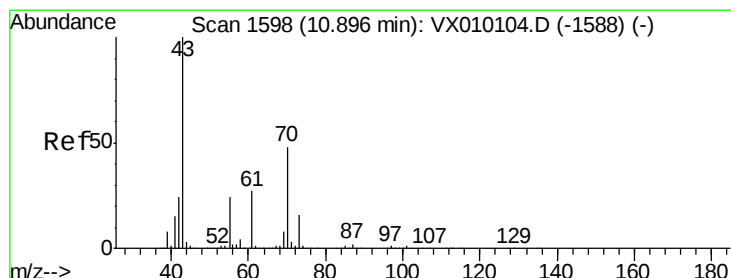
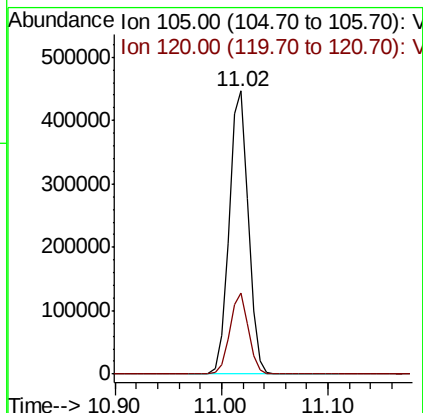
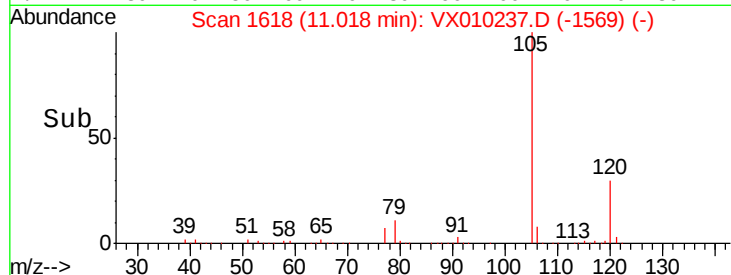
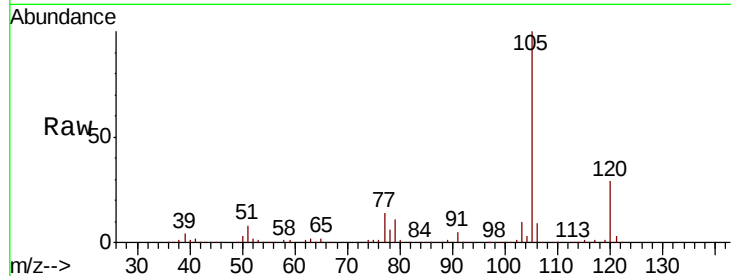
VSTDCCC050EC

Tot Ion:105 Resp: 563979

Ion Ratio Lower Upper

105 100

120 27.8 12.8 38.4



#74

N-ethyl acetate

Concen: 43.096 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Tgt Ion: 43 Resp: 218219

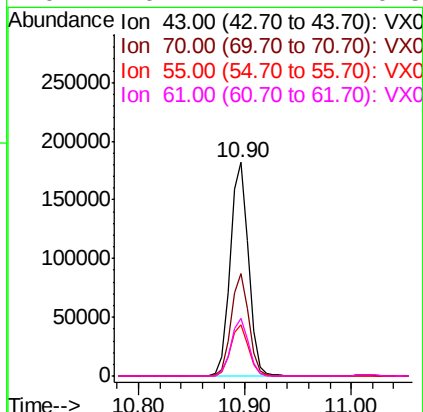
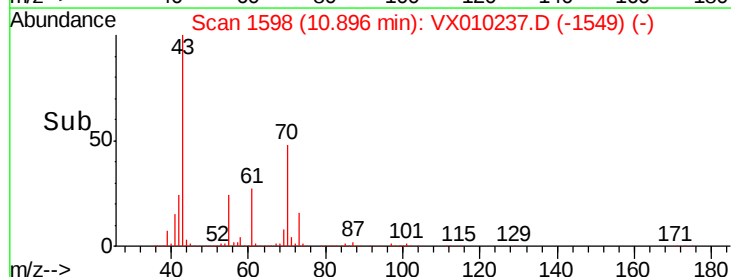
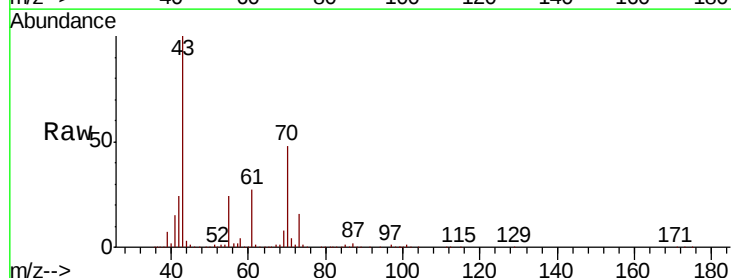
Ion Ratio Lower Upper

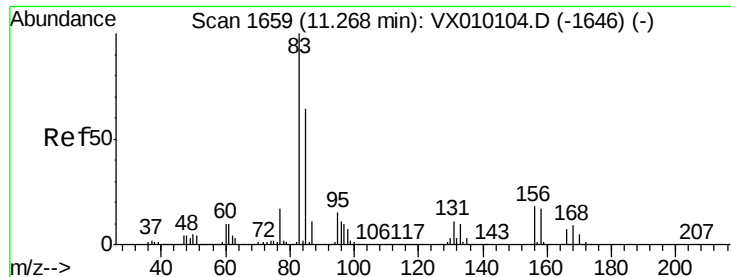
43 100

70 46.8 28.6 43.0#

55 24.1 17.8 26.8

61 26.2 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 42.737 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

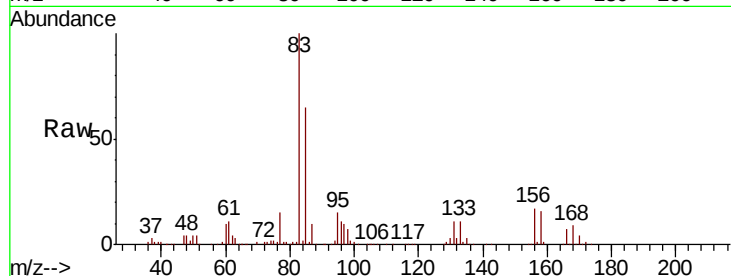
Tot Ion: 83 Resp: 187395

Ion Ratio Lower Upper

83 100

131 10.9 4.7 14.1

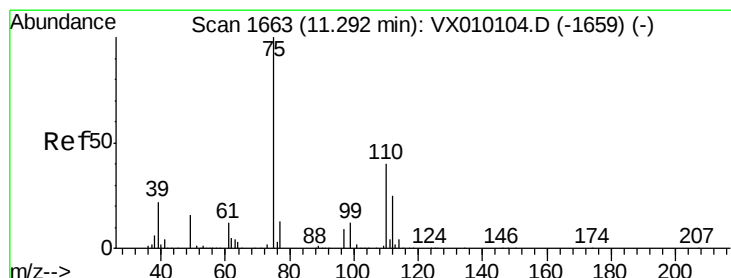
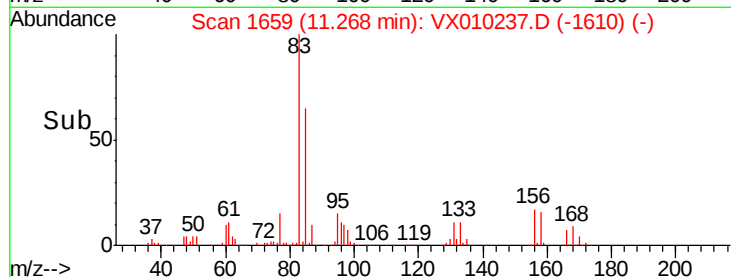
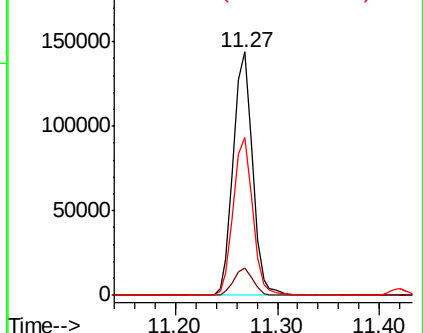
85 65.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 58.661 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010237.D

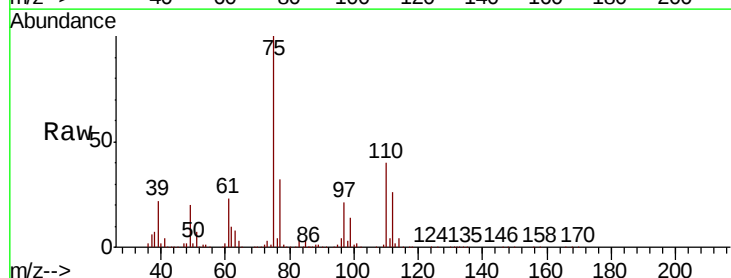
Acq: 11 Jun 2019 17:12

Tgt Ion: 75 Resp: 215307

Ion Ratio Lower Upper

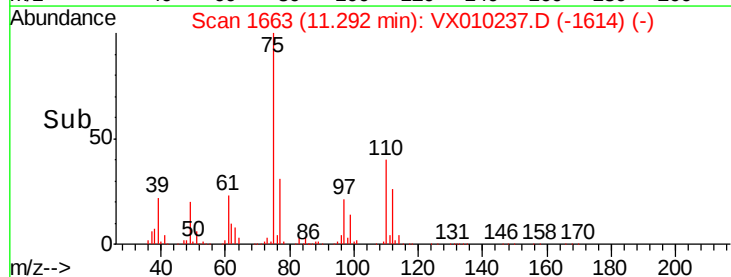
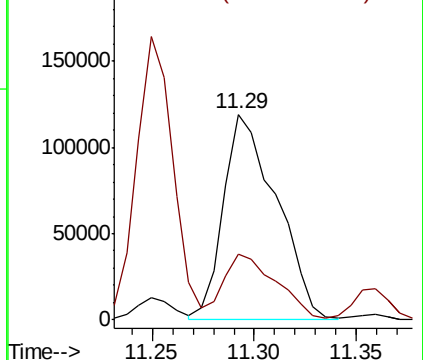
75 100

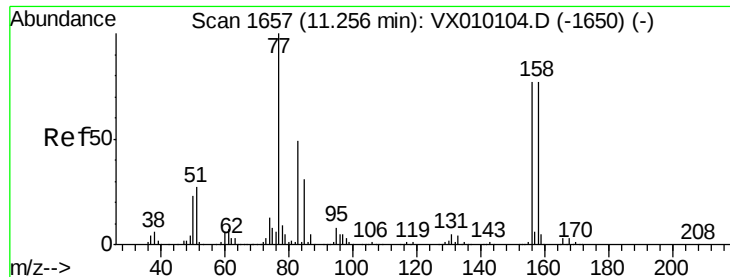
77 31.9 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 44.339 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

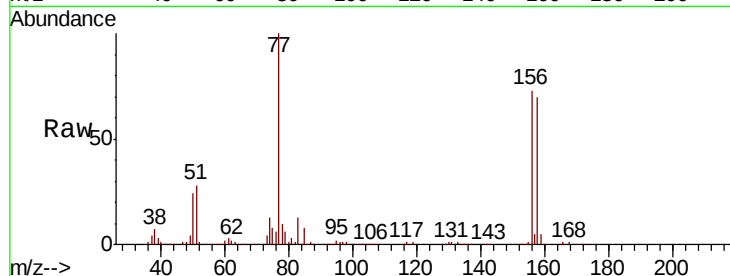
Tot Ion:156 Resp: 156188

Ion Ratio Lower Upper

156 100

77 130.9 86.8 260.3

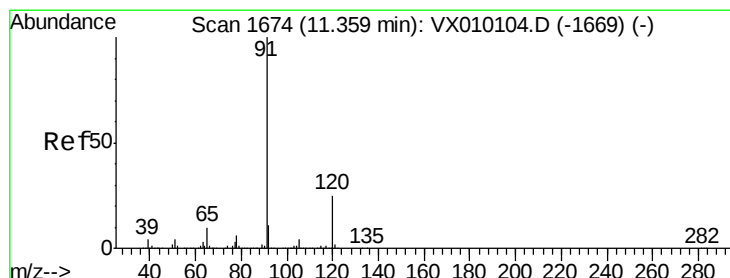
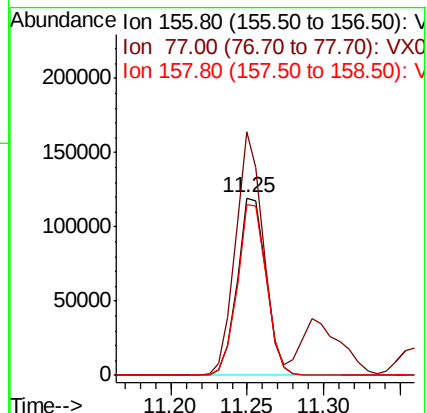
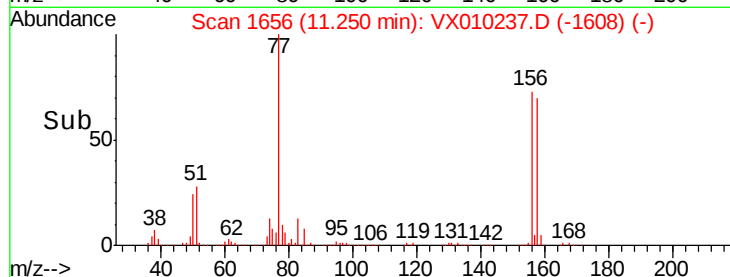
158 97.3 49.6 148.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.804 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010237.D

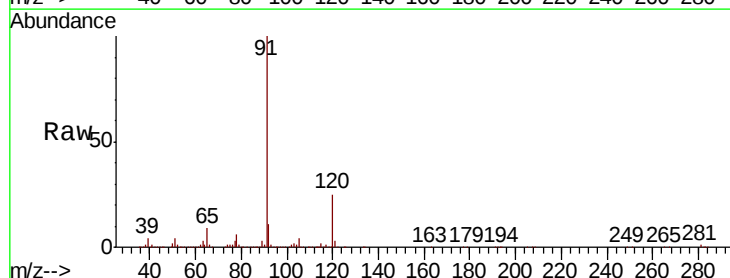
Acq: 11 Jun 2019 17:12

Tgt Ion: 91 Resp: 638943

Ion Ratio Lower Upper

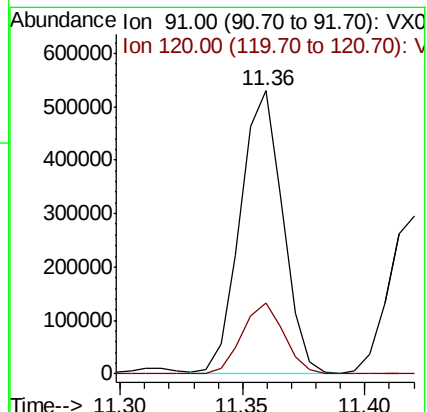
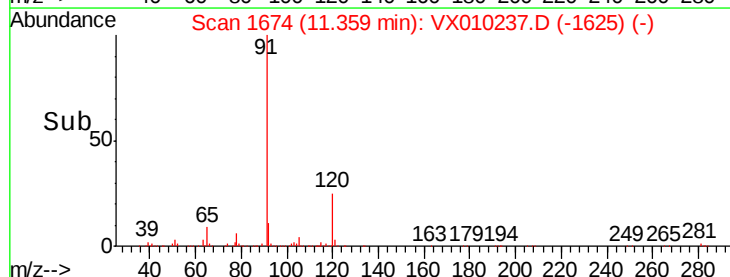
91 100

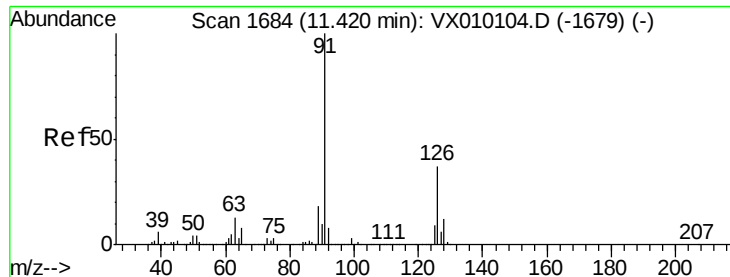
120 24.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.062 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

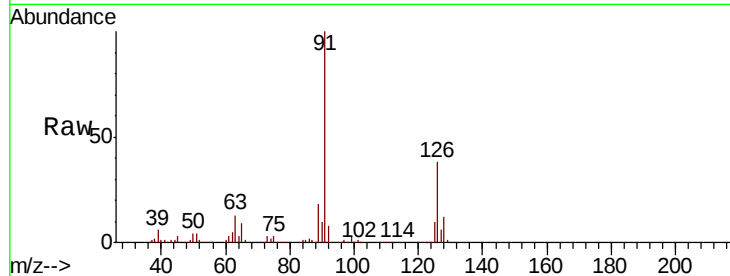
VSTDCCC050EC

Tot Ion: 91 Resp: 368822

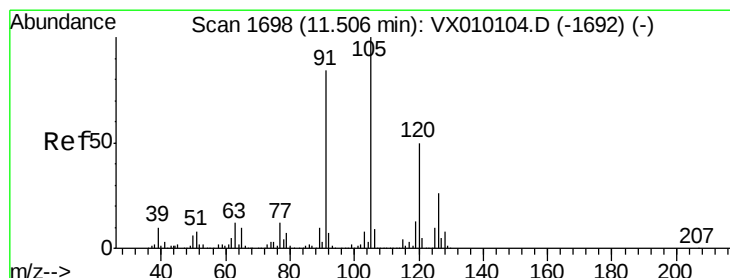
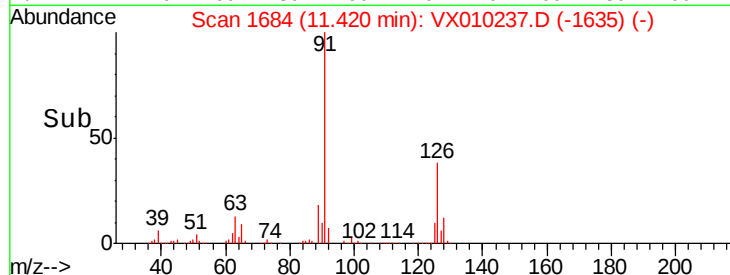
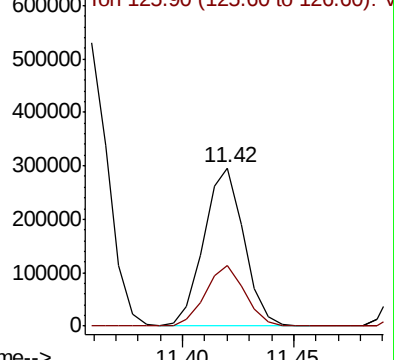
Ion Ratio Lower Upper

91 100

126 38.0 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VX010104.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 43.938 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010237.D

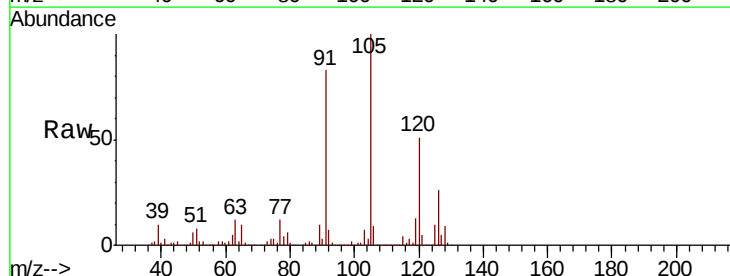
Acq: 11 Jun 2019 17:12

Tgt Ion: 105 Resp: 474050

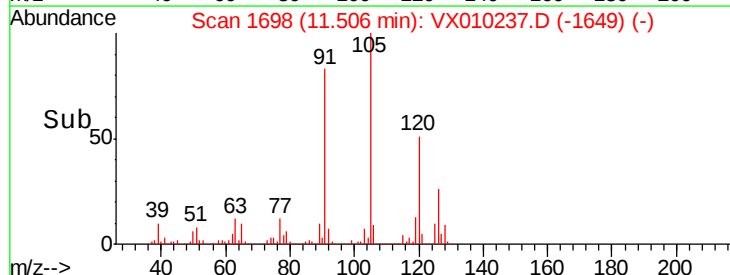
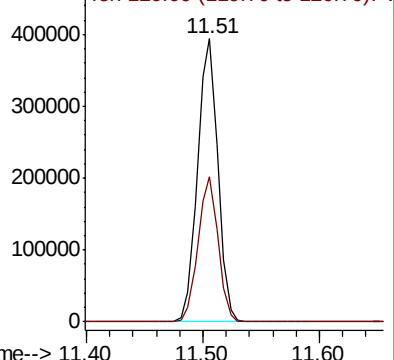
Ion Ratio Lower Upper

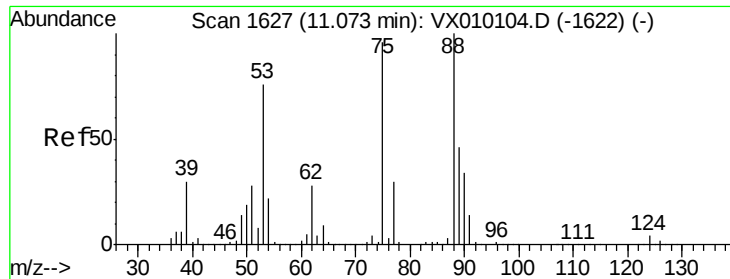
105 100

120 50.7 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX010104.D (-1692) (-)

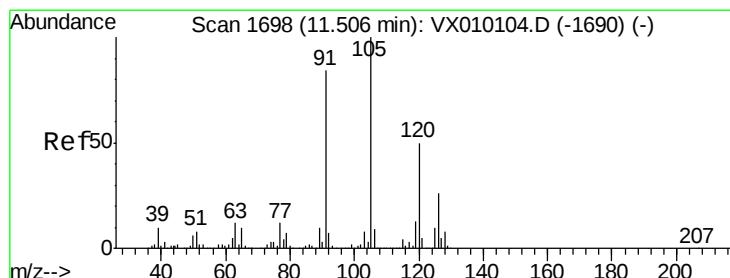
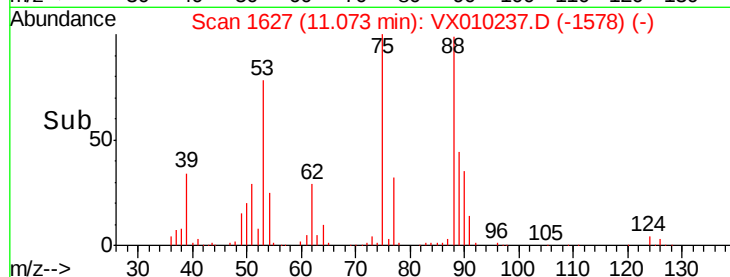
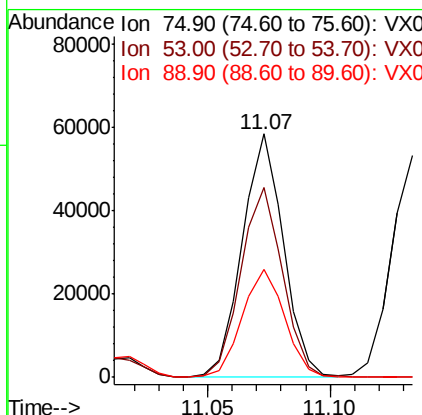
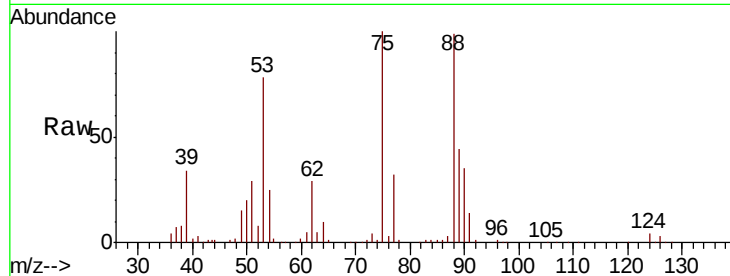




#81
trans-1,4-Dichloro-2-butene
Concen: 41.121 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

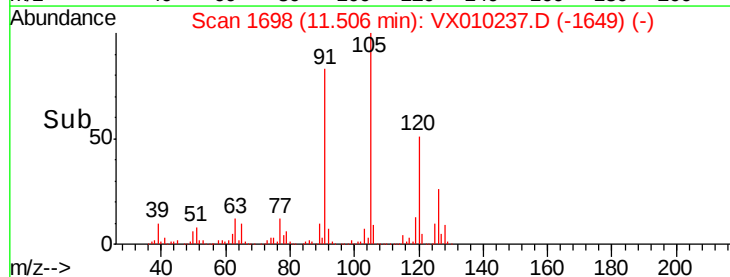
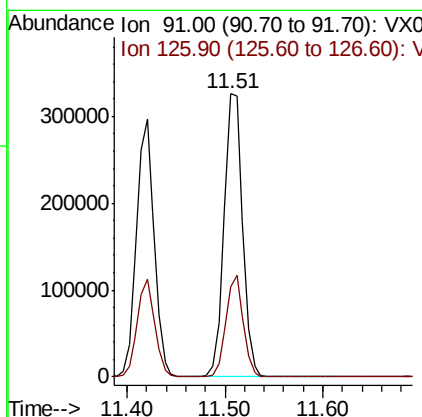
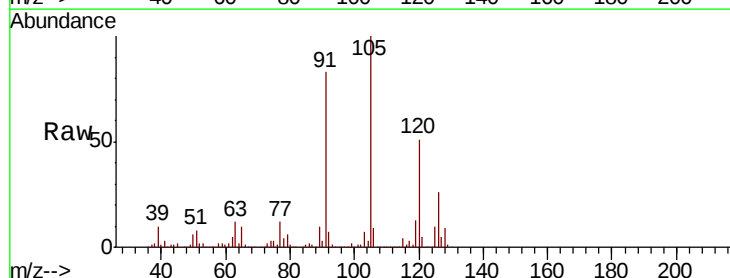
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

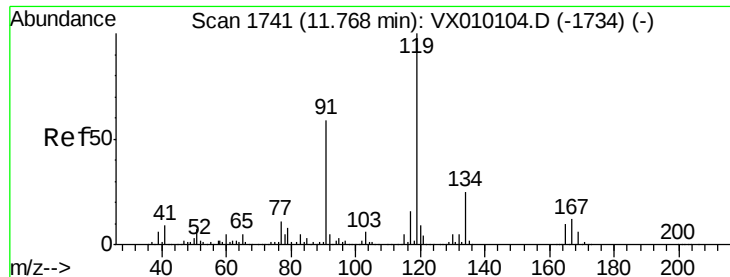
Tot Ion: 75 Resp: 68312
Ion Ratio Lower Upper
75 100
53 78.8 79.8 119.6#
89 45.8 34.2 51.4



#82
4-Chlorotoluene
Concen: 43.886 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Tgt Ion: 91 Resp: 426988
Ion Ratio Lower Upper
91 100
126 33.4 14.2 42.6

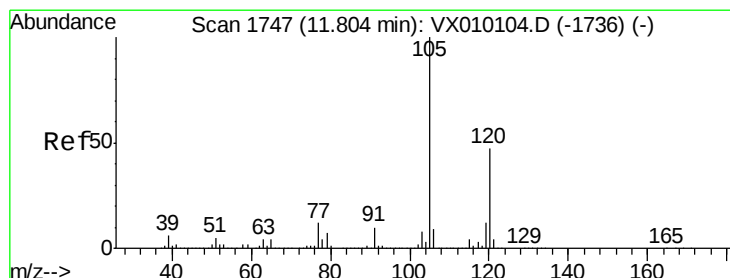
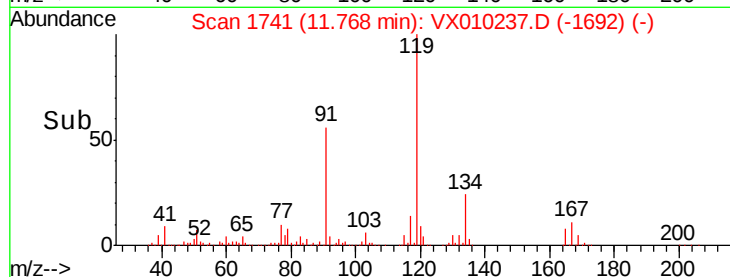
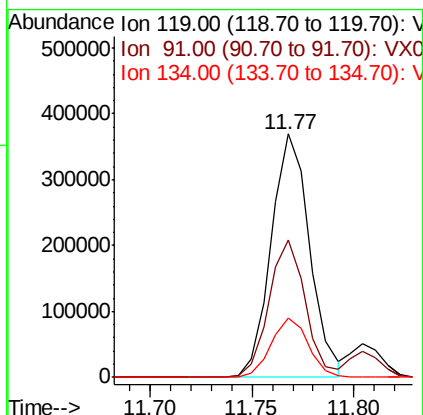
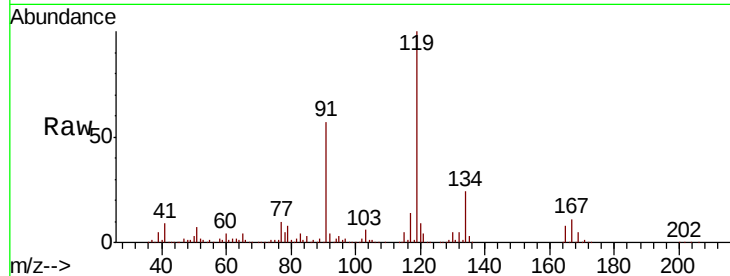




#83
 tert-Butylbenzene
 Concen: 44.700 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010237.D
 Acq: 11 Jun 2019 17:12

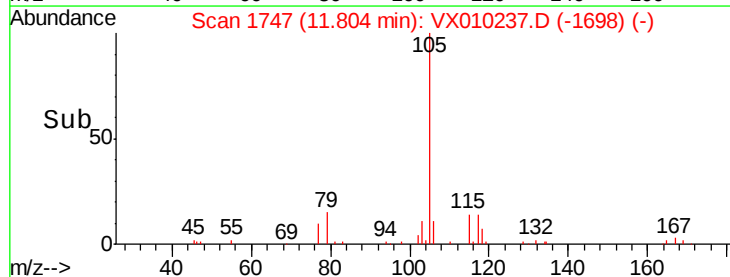
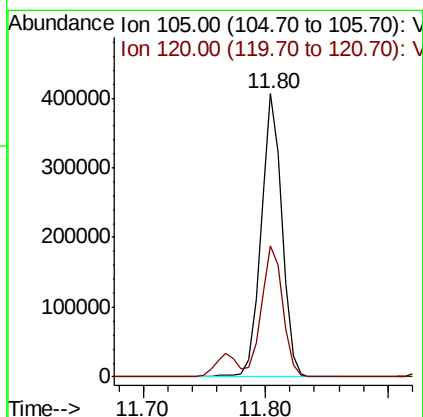
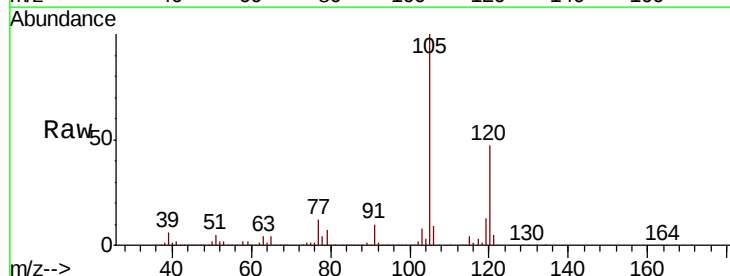
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

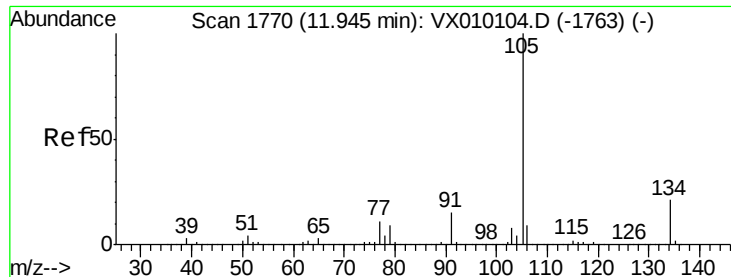
Tot Ion:119 Resp: 488133
 Ion Ratio Lower Upper
 119 100
 91 53.5 30.0 90.0
 134 23.4 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 44.321 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010237.D
 Acq: 11 Jun 2019 17:12

Tgt Ion:105 Resp: 483004
 Ion Ratio Lower Upper
 105 100
 120 47.4 22.1 66.1





#85

sec-Butylbenzene

Concen: 45.059 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

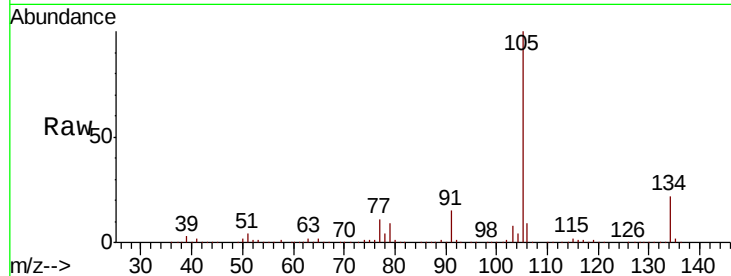
VSTDCCC050EC

Tot Ion:105 Resp: 573260

Ion Ratio Lower Upper

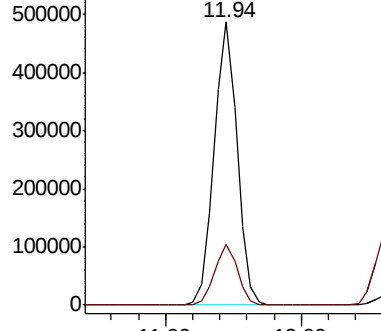
105 100

134 21.4 9.7 28.9

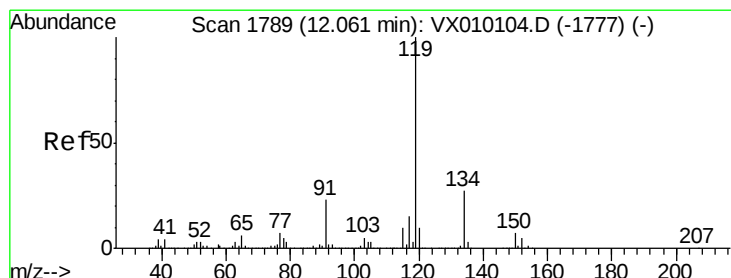
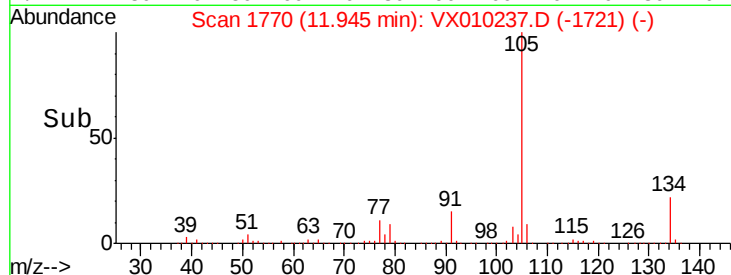


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 45.448 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

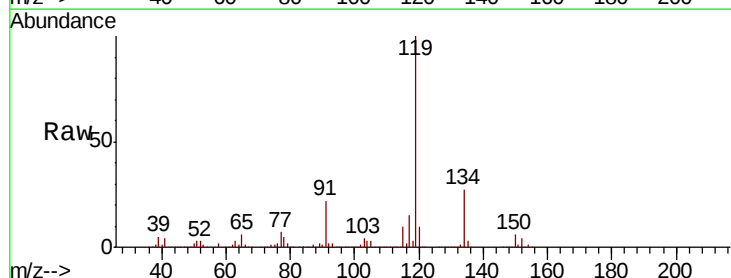
Tgt Ion:119 Resp: 528583

Ion Ratio Lower Upper

119 100

134 28.0 12.9 38.6

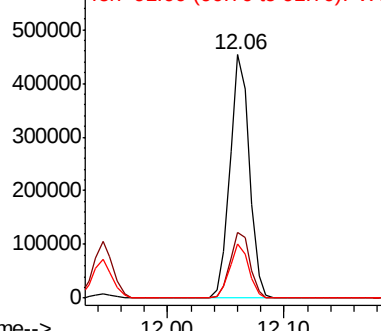
91 22.1 11.9 35.9



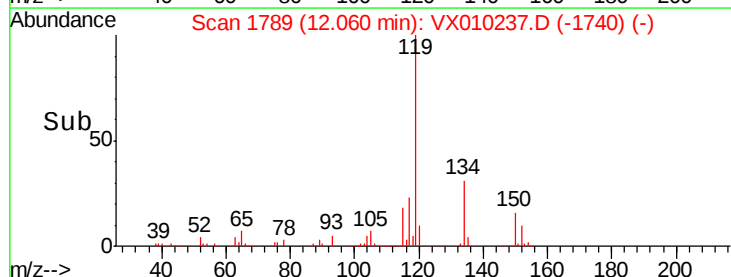
Abundance Ion 119.00 (118.70 to 119.70): V

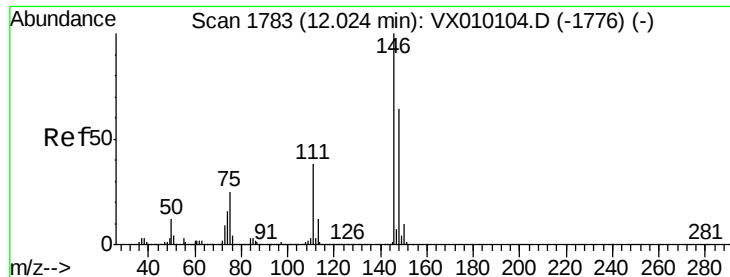
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0



Time-->

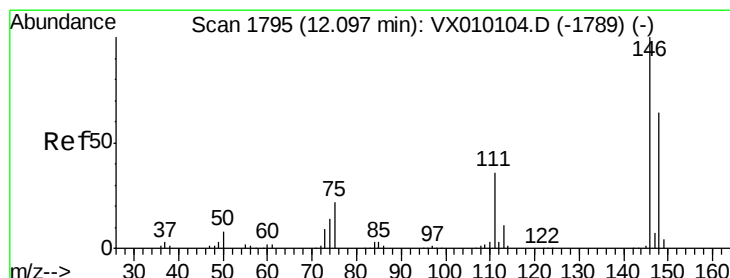
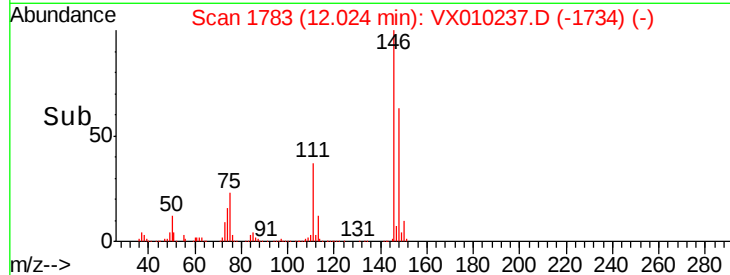
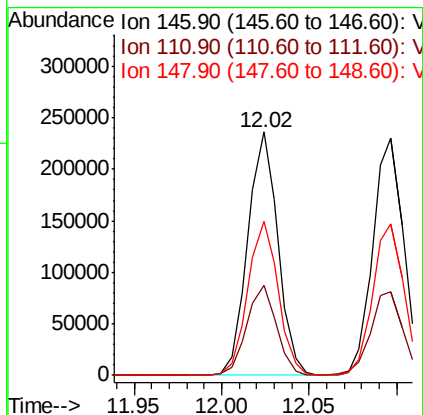
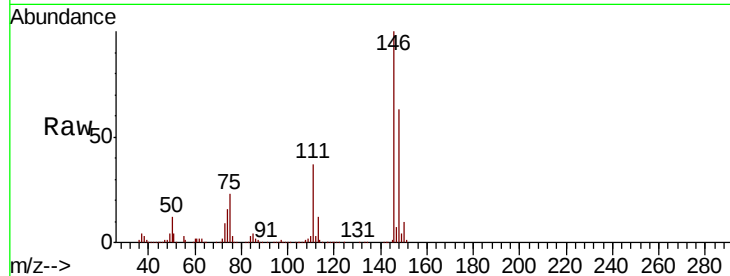




#87
 1,3-Dichlorobenzene
 Concen: 45.558 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010237.D
 Acq: 11 Jun 2019 17:12

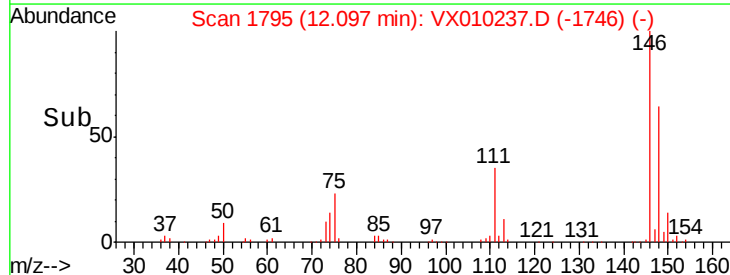
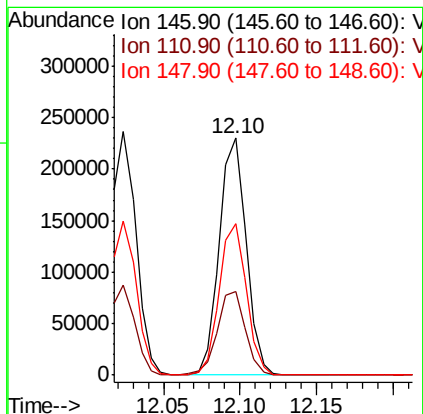
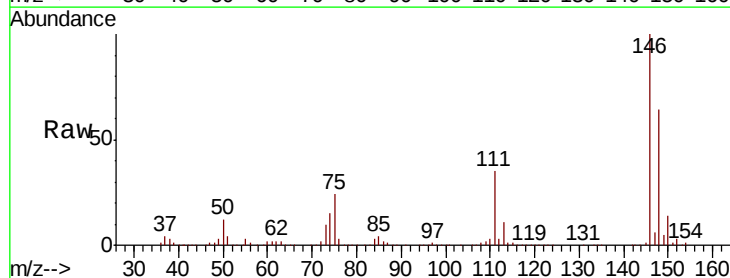
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

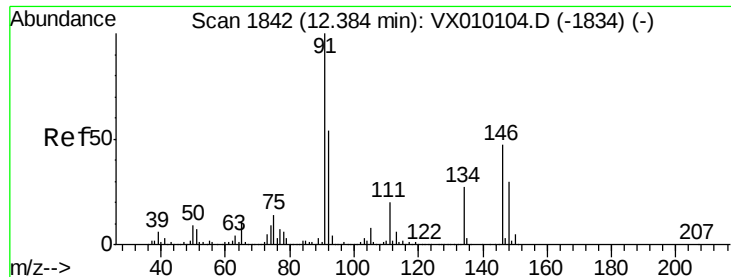
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	20.1	60.2
148	63.5	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 45.123 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010237.D
 Acq: 11 Jun 2019 17:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	20.0	59.9
148	64.1	32.3	96.9

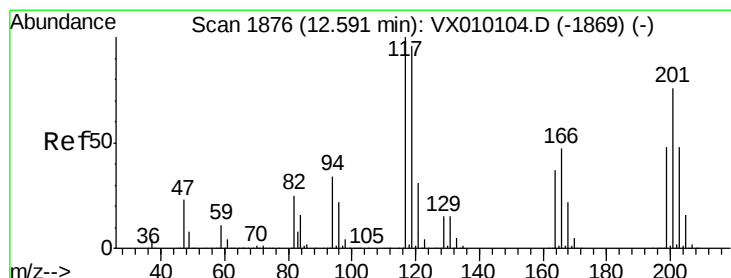
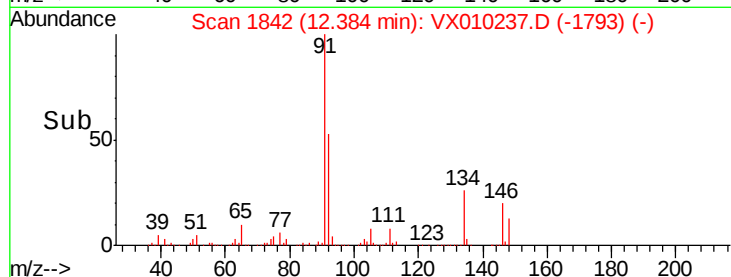
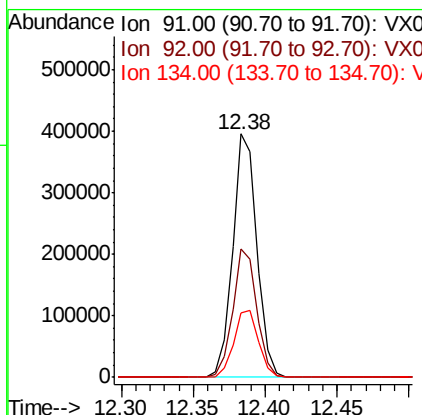
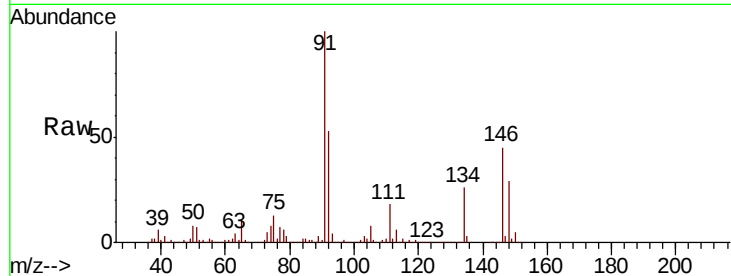




#89
n-Butylbenzene
Concen: 46.329 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

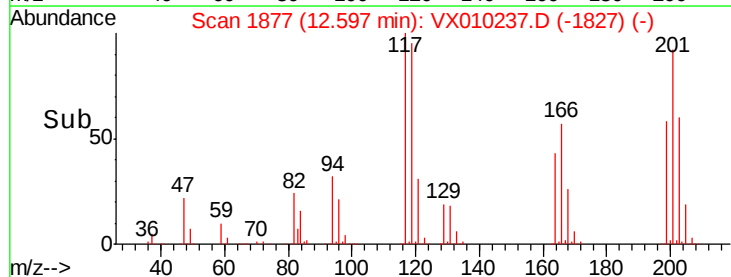
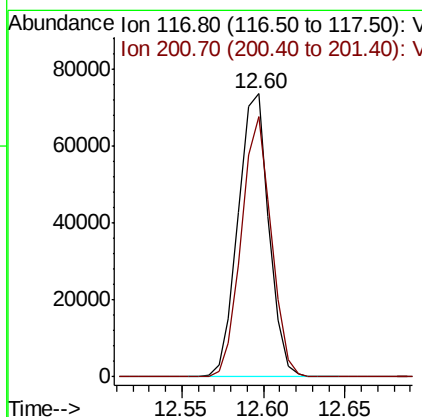
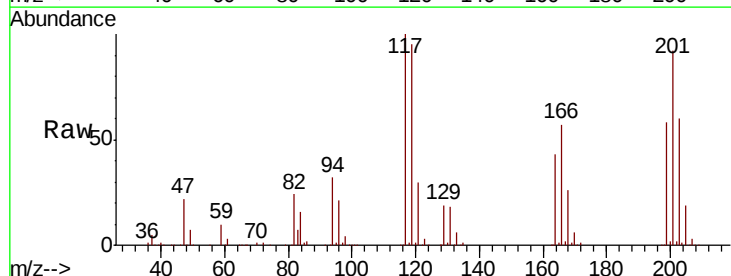
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

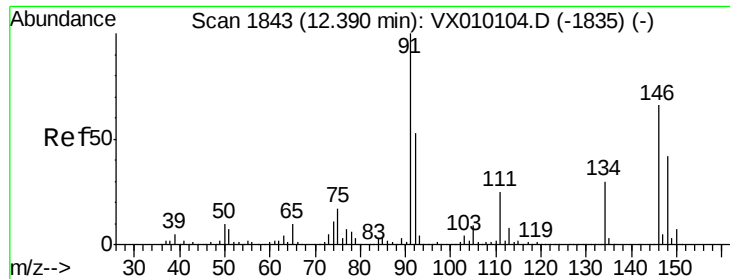
Tot Ion: 91 Resp: 463817
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.8
134 28.3 12.3 36.8



#90
Hexachloroethane
Concen: 41.926 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010237.D
Acq: 11 Jun 2019 17:12

Tgt Ion: 117 Resp: 97136
Ion Ratio Lower Upper
117 100
201 89.2 43.6 130.9

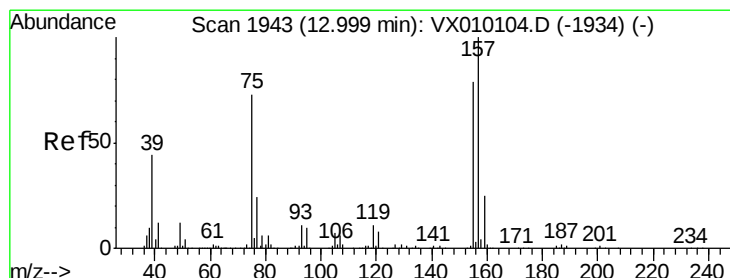
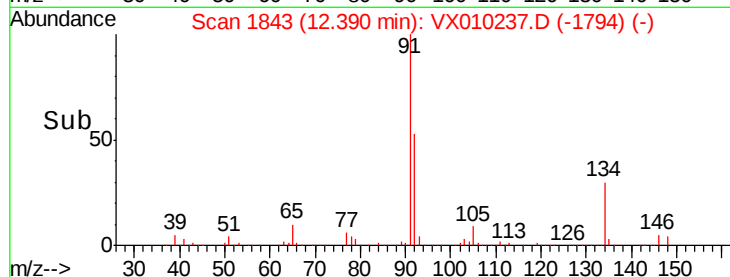
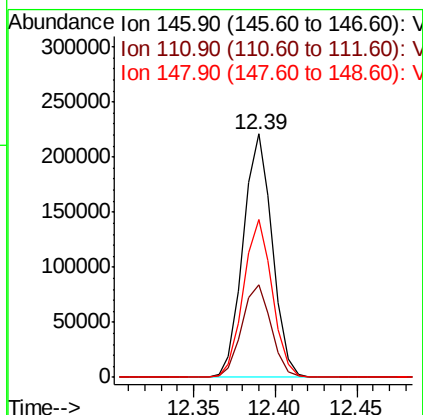
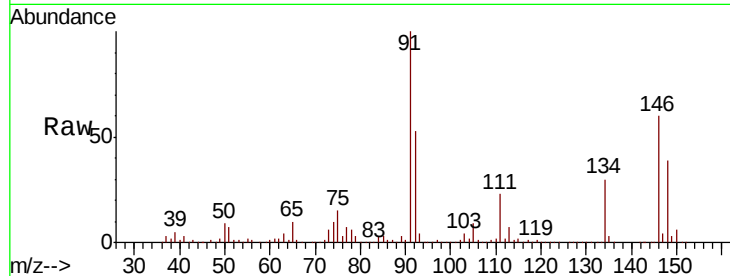




#91
 1,2-Dichlorobenzene
 Concen: 45.619 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010237.D
 Acq: 11 Jun 2019 17:12

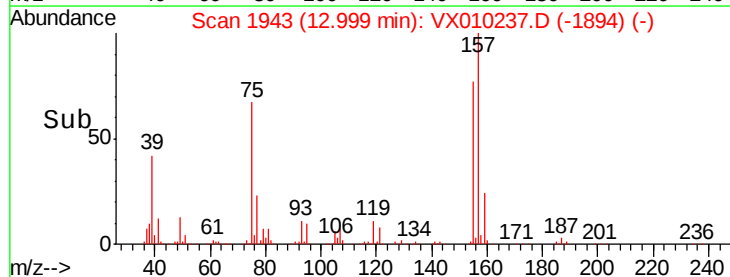
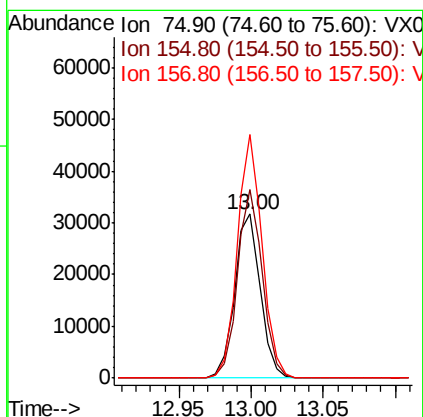
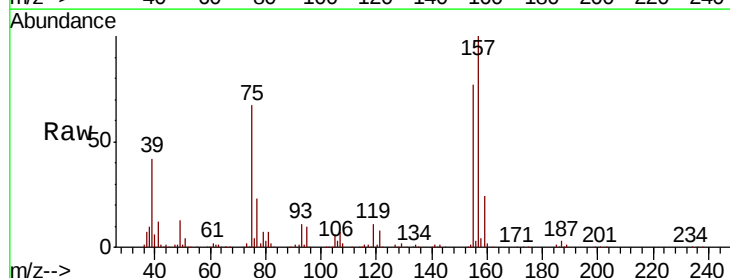
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

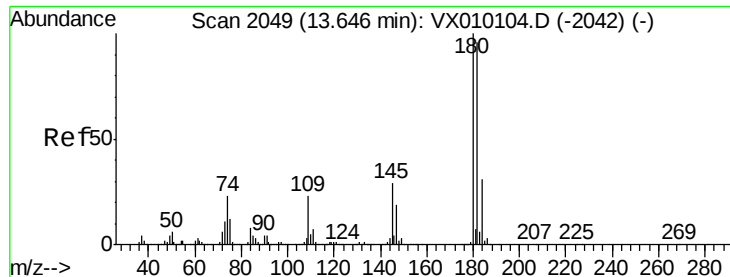
Tot Ion:146 Resp: 275176
 Ion Ratio Lower Upper
 146 100
 111 38.7 21.1 63.1
 148 64.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 38.298 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010237.D
 Acq: 11 Jun 2019 17:12

Tgt Ion: 75 Resp: 39517
 Ion Ratio Lower Upper
 75 100
 155 109.8 39.3 117.8
 157 141.5 50.6 151.8

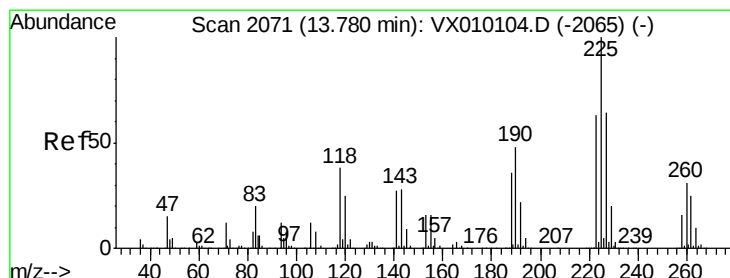
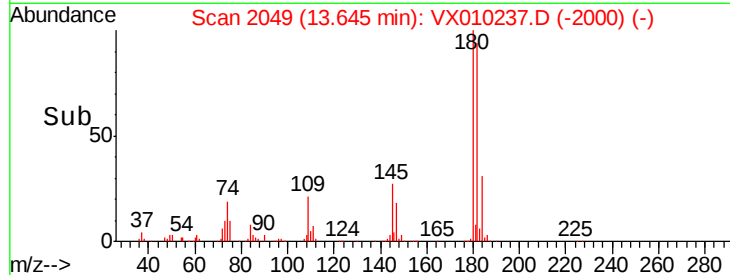
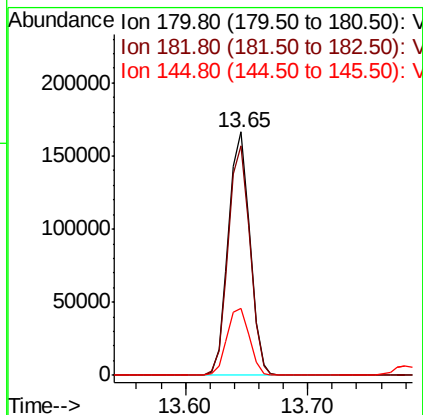
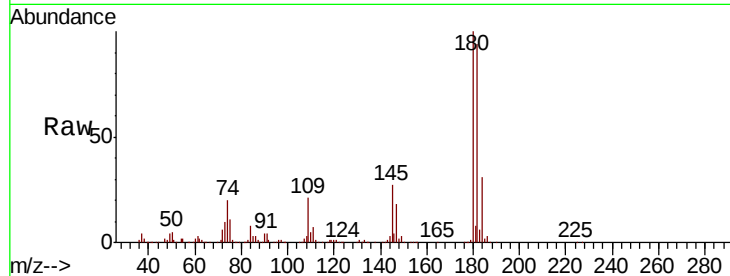




#93
 1,2,4-Trichlorobenzene
 Concen: 45.822 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010237.D
 Acq: 11 Jun 2019 17:12

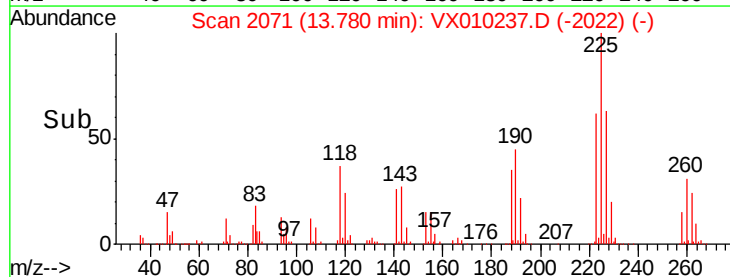
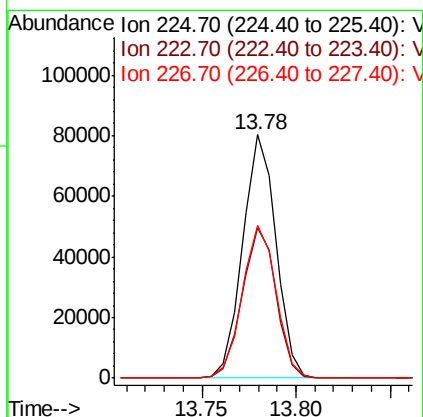
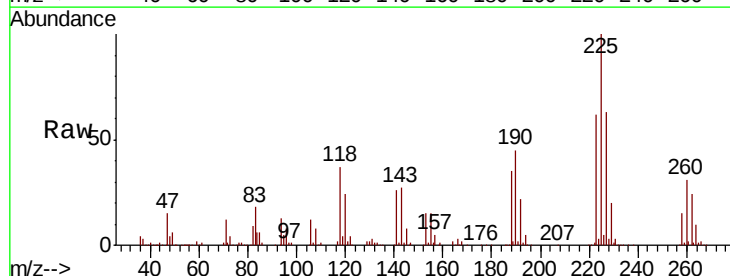
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

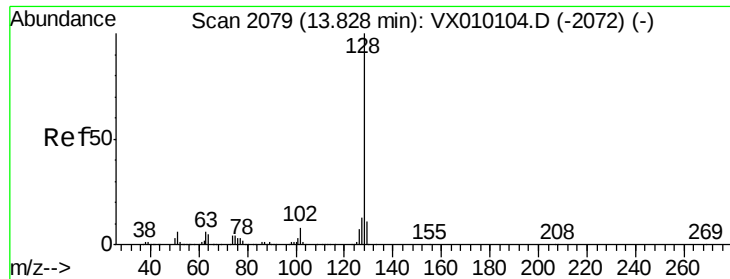
Tot Ion:180 Resp: 202326
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.4 142.2
 145 28.7 14.5 43.5



#94
 Hexachlorobutadiene
 Concen: 49.989 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010237.D
 Acq: 11 Jun 2019 17:12

Tgt Ion:225 Resp: 98164
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.3 93.8
 227 63.8 32.3 96.8





#95

Naphthalene

Concen: 44.284 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

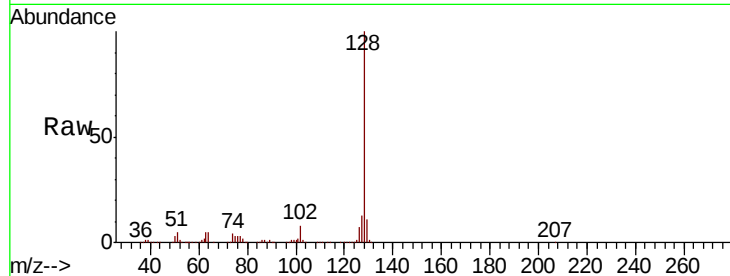
Tot Ion:128 Resp: 615526

Ion Ratio Lower Upper

128 100

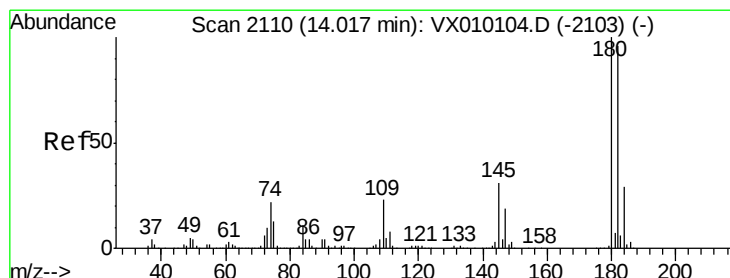
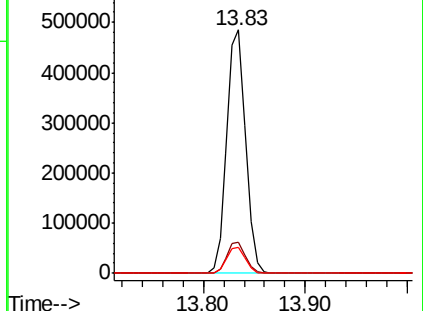
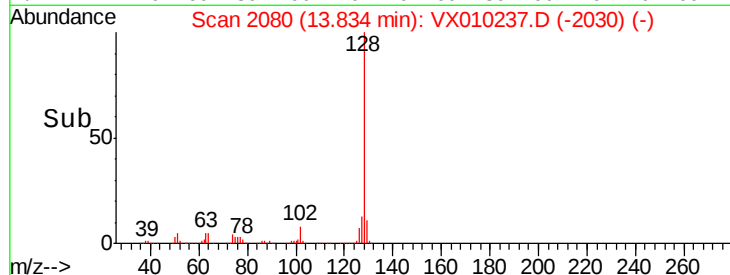
127 12.7 10.6 16.0

129 10.9 8.8 13.2



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

13.83



#96

1,2,3-Trichlorobenzene

Concen: 46.064 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010237.D

Acq: 11 Jun 2019 17:12

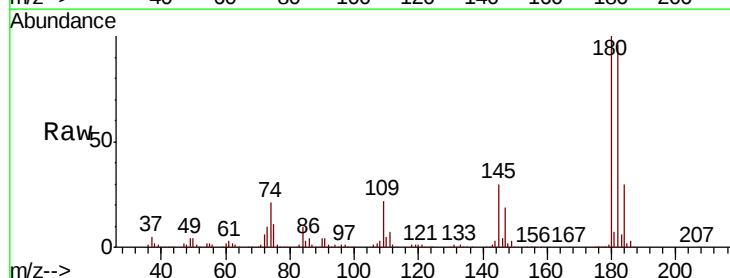
Tgt Ion:180 Resp: 201105

Ion Ratio Lower Upper

180 100

182 95.3 47.3 142.0

145 30.4 15.6 46.7



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

14.02

