

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
 Data File : VX004737.D
 Acq On : 26 Sep 2018 20:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 27 01:14:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	266604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	376926	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	356273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216389	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	191953	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	5.50	113	160811	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	8.72	98	557557	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	11.14	95	205994	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	209406	57.607	ug/l	97
3) Chloromethane	1.32	50	241272	54.708	ug/l	93
4) Vinyl Chloride	1.40	62	213181	51.538	ug/l	100
5) Bromomethane	1.64	94	127276	51.890	ug/l	100
6) Chloroethane	1.71	64	136828	61.221	ug/l	97
7) Trichlorofluoromethane	1.92	101	267380	52.215	ug/l	94
8) Diethyl Ether	2.19	74	109774	49.345	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.37	101	155413	53.280	ug/l	99
10) Methyl Iodide	2.51	142	207853	53.250	ug/l	99
11) Tert butyl alcohol	3.08	59	281117	263.990	ug/l	100
12) 1,1-Dichloroethene	2.37	96	149971	51.915	ug/l	95
13) Acrolein	2.29	56	176721	233.247	ug/l	92
14) Allyl chloride	2.73	41	339887	53.925	ug/l	92
15) Acrylonitrile	3.15	53	628242	267.999	ug/l	98
16) Acetone	2.45	43	540876	243.261	ug/l	95
17) Carbon Disulfide	2.56	76	448797	51.703	ug/l	98
18) Methyl Acetate	2.78	43	291689	51.779	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	522216	52.409	ug/l #	90
20) Methylene Chloride	2.85	84	176255	54.598	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	156821	49.592	ug/l	93
22) Diisopropyl ether	3.88	45	592481	55.822	ug/l	96
23) Vinyl Acetate	3.82	43	2660244	273.819	ug/l #	93
24) 1,1-Dichloroethane	3.70	63	313921	49.583	ug/l	96
25) 2-Butanone	4.71	43	854384	260.688	ug/l	93
26) 2,2-Dichloropropane	4.59	77	220182	49.942	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	184746	52.297	ug/l	99
28) Bromochloromethane	5.01	49	145215	48.706	ug/l	90
29) Tetrahydrofuran	5.15	42	574116	281.839	ug/l	91
30) Chloroform	5.21	83	297069	49.647	ug/l	96
31) Cyclohexane	5.57	56	288571	59.552	ug/l #	86
32) 1,1,1-Trichloroethane	5.49	97	256445	52.478	ug/l	99
36) 1,1-Dichloropropene	5.81	75	222348	51.015	ug/l	99
37) Ethyl Acetate	4.86	43	305740	52.846	ug/l	99
38) Carbon Tetrachloride	5.79	117	225481	49.215	ug/l	87

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Quant Time: Sep 27 01:14:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	246916	55.481	ug/l	95
40) Benzene	6.15	78	731106	53.580	ug/l	93
41) Methacrylonitrile	5.06	41	174648	54.433	ug/l	94
42) 1,2-Dichloroethane	6.20	62	249108	51.643	ug/l	97
43) Isopropyl Acetate	6.46	43	431449	51.668	ug/l	98
44) Trichloroethene	7.21	130	173574	51.746	ug/l	96
45) 1,2-Dichloropropane	7.52	63	169631	50.694	ug/l	99
46) Dibromomethane	7.66	93	109773	52.199	ug/l	97
47) Bromodichloromethane	7.90	83	209080	53.103	ug/l	98
48) Methyl methacrylate	7.78	41	220738	58.240	ug/l	93
49) 1,4-Dioxane	7.76	88	102808	1091.823	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1503045	285.869	ug/l	95
52) Toluene	8.79	92	395716	52.778	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	239074	53.733	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	255776	54.884	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	164572	50.109	ug/l	97
56) Ethyl methacrylate	9.18	69	262778	49.346	ug/l	95
57) 1,3-Dichloropropane	9.37	76	275226	50.352	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	749791	264.105	ug/l	94
59) 2-Hexanone	9.50	43	1196622	273.112	ug/l	93
60) Dibromochloromethane	9.59	129	169670	51.658	ug/l	99
61) 1,2-Dibromoethane	9.68	107	170569	48.495	ug/l	100
64) Tetrachloroethene	9.34	164	165605	47.228	ug/l	98
65) Chlorobenzene	10.14	112	440054	48.168	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	159201	49.568	ug/l	99
67) Ethyl Benzene	10.26	91	754899	52.047	ug/l	98
68) m/p-Xylenes	10.36	106	590522	104.188	ug/l	96
69) o-Xylene	10.70	106	280930	53.964	ug/l	96
70) Styrene	10.71	104	479041	49.234	ug/l	97
71) Bromoform	10.86	173	139669	50.795	ug/l #	99
73) Isopropylbenzene	11.02	105	753875	55.272	ug/l	99
74) N-amyl acetate	10.90	43	376624	50.230	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	270652	48.748	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	316022	65.158	ug/l	89
77) Bromobenzene	11.26	156	201988	50.986	ug/l	97
78) n-propylbenzene	11.36	91	868328	55.486	ug/l	100
79) 2-Chlorotoluene	11.42	91	524640	53.784	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	644281	51.545	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	81131	45.797	ug/l	98
82) 4-Chlorotoluene	11.51	91	617329	53.767	ug/l	99
83) tert-Butylbenzene	11.77	119	621197	55.318	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	665122	51.599	ug/l	98
85) sec-Butylbenzene	11.94	105	756104	55.278	ug/l	98
86) p-Isopropyltoluene	12.07	119	679953	54.868	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	371079	50.163	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	376861	49.351	ug/l	99
89) n-Butylbenzene	12.39	91	608804	54.093	ug/l	97
90) Hexachloroethane	12.60	117	103385	50.106	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	377393	48.817	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	62774	51.493	ug/l	94

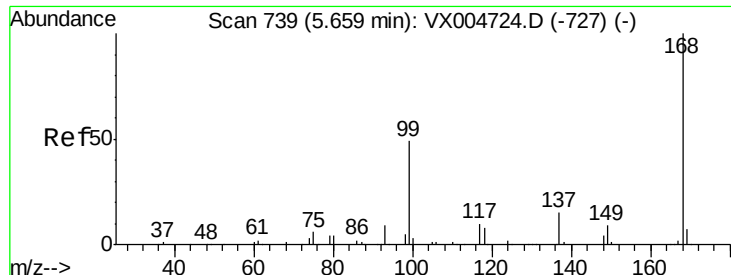
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092618\
Data File : VX004737.D
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Instrument :
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ClientSampleId :
VSTDCCC050EC

Quant Time: Sep 27 01:14:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	279965	51.626	ug/l	99
94) Hexachlorobutadiene	13.79	225	134220	47.729	ug/l	97
95) Naphthalene	13.83	128	915693	50.861	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	285672	50.995	ug/l	99

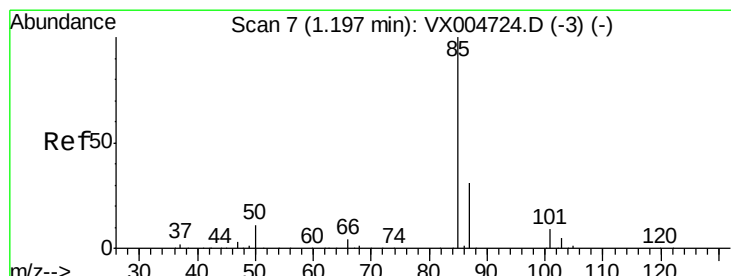
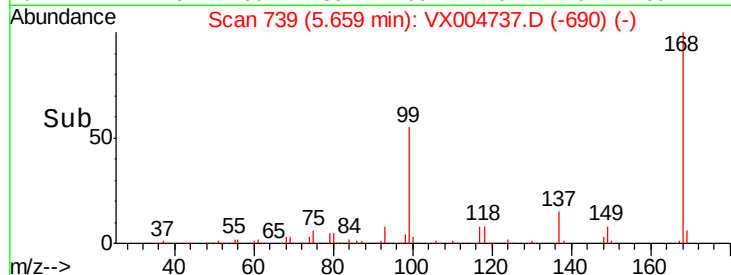
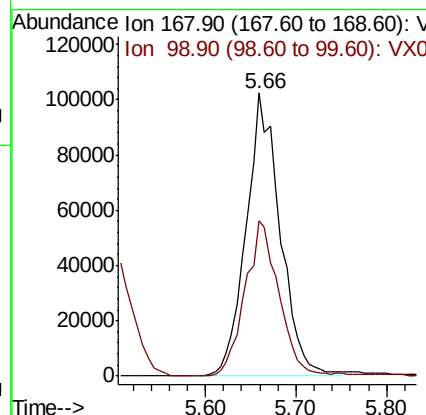
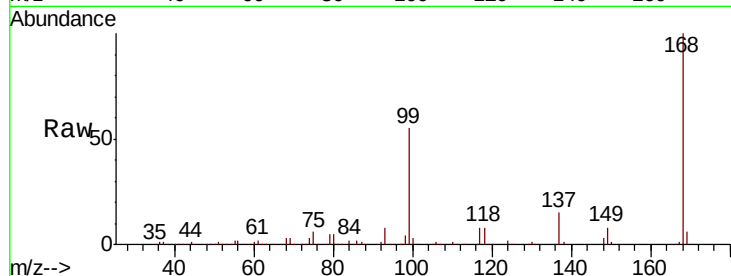
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

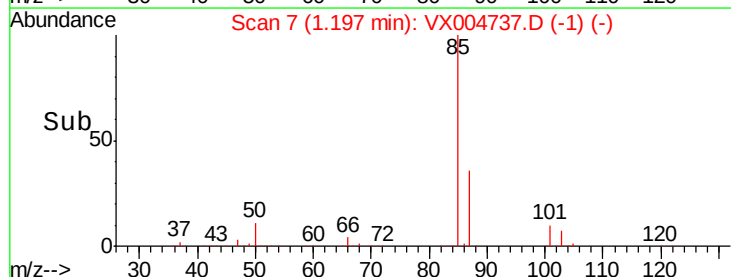
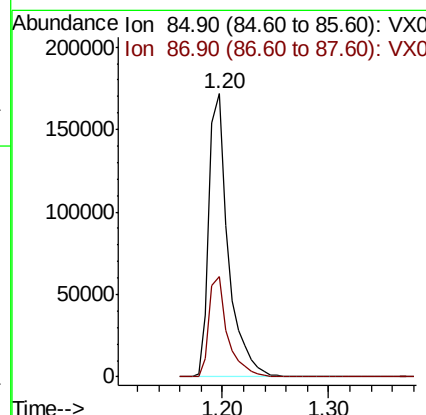
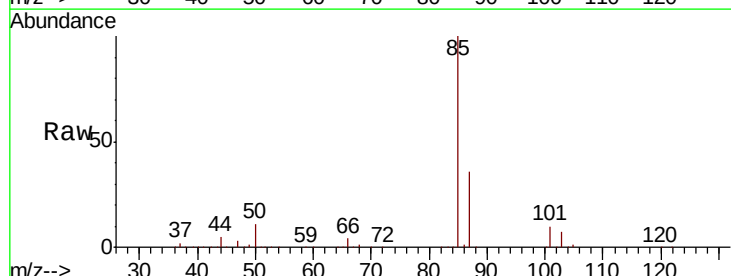
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

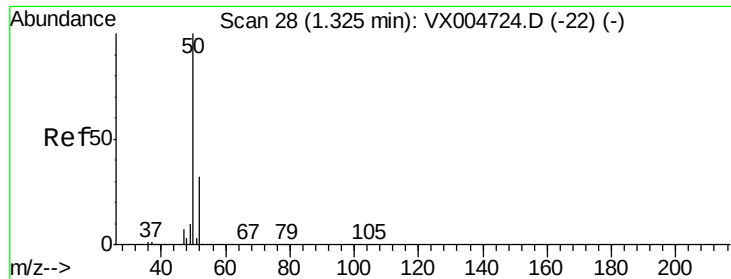
Tot Ion:168 Resp: 266604
Ion Ratio Lower Upper
168 100
99 54.7 39.9 59.9



#2
Dichlorodifluoromethane
Concen: 57.607 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Tgt Ion: 85 Resp: 209406
Ion Ratio Lower Upper
85 100
87 35.6 17.0 50.9





#3

Chloromethane

Concen: 54.708 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

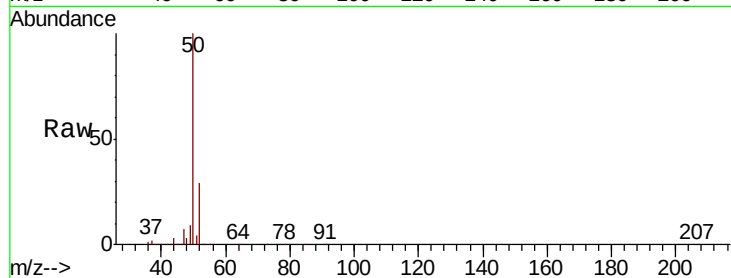
VSTDCCC050EC

Tot Ion: 50 Resp: 241272

Ion Ratio Lower Upper

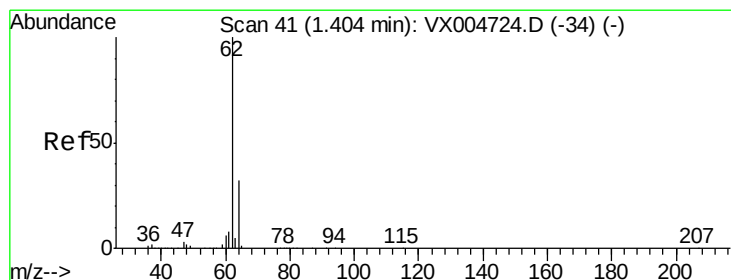
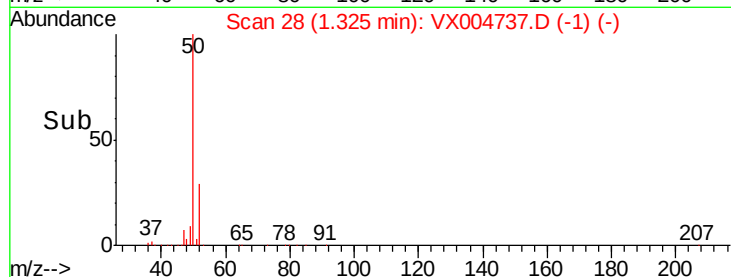
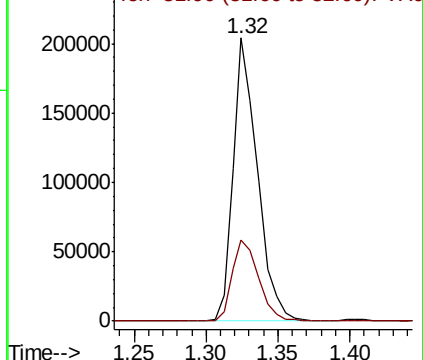
50 100

52 28.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.538 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004737.D

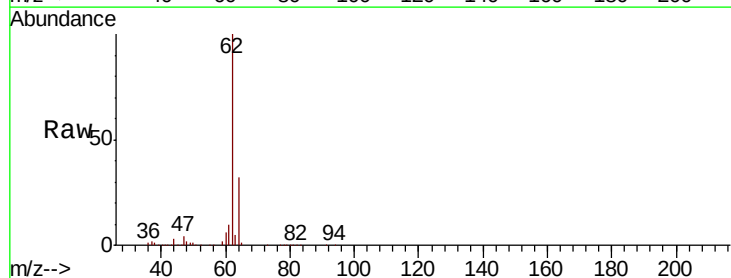
Acq: 26 Sep 2018 20:09

Tgt Ion: 62 Resp: 213181

Ion Ratio Lower Upper

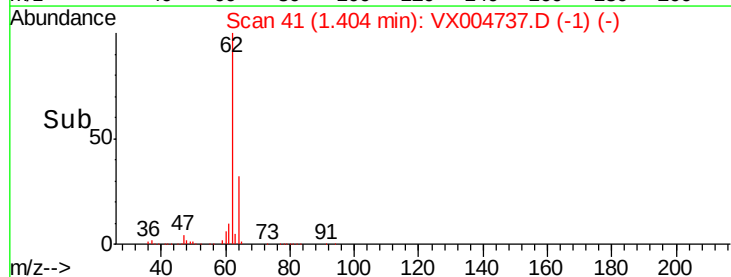
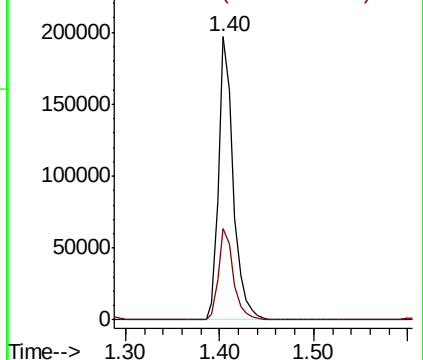
62 100

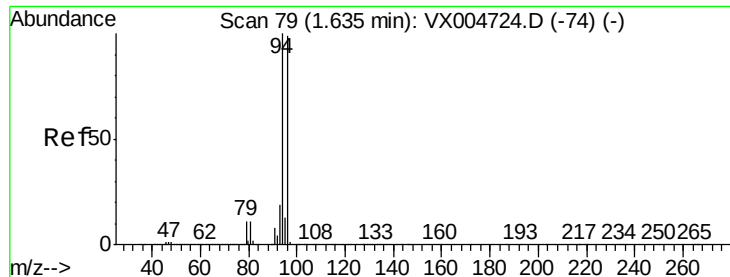
64 32.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 51.890 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

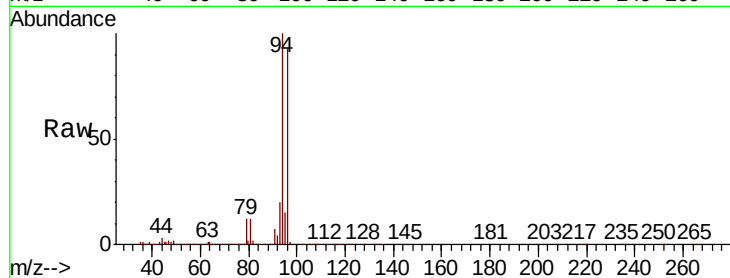
VSTDCCC050EC

Tot Ion: 94 Resp: 127276

Ion Ratio Lower Upper

94 100

96 93.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

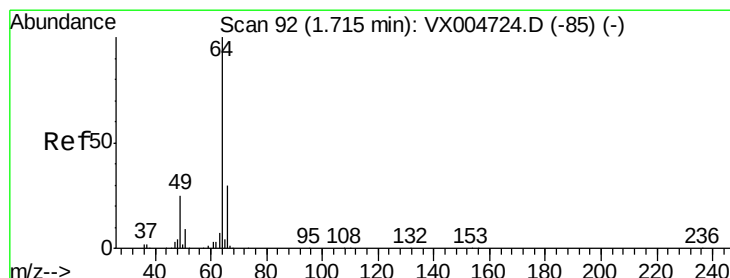
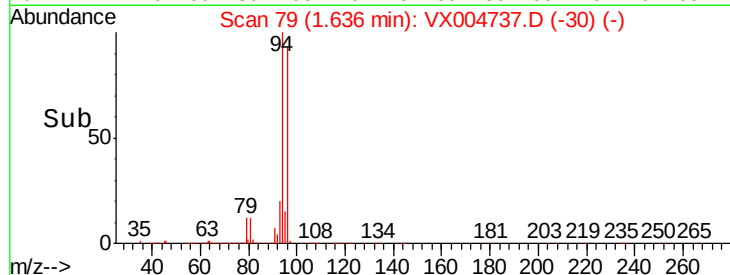
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 61.221 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004737.D

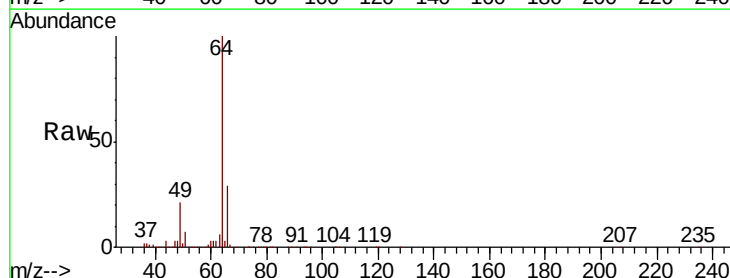
Acq: 26 Sep 2018 20:09

Tgt Ion: 64 Resp: 136828

Ion Ratio Lower Upper

64 100

66 28.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

120000

100000

80000

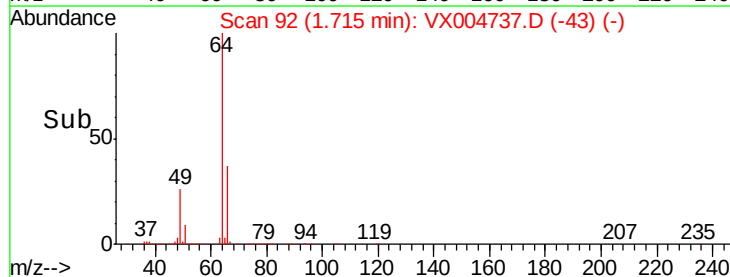
60000

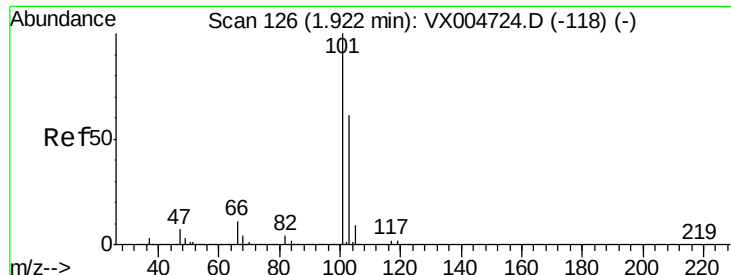
40000

20000

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Time-->



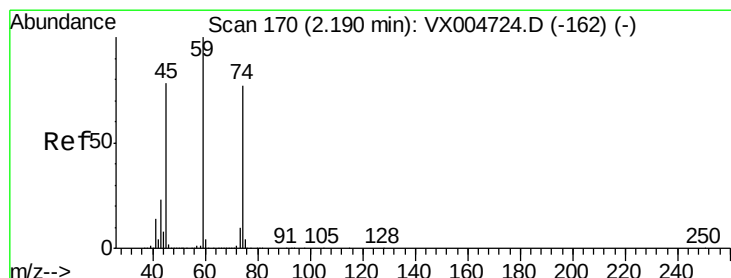
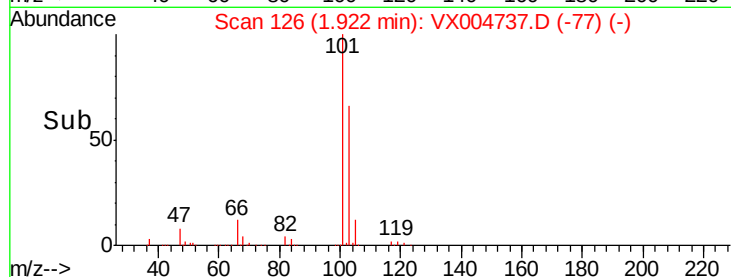
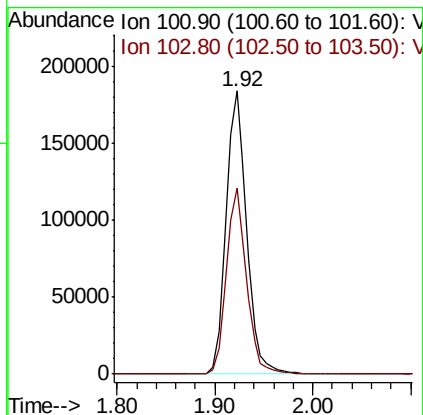
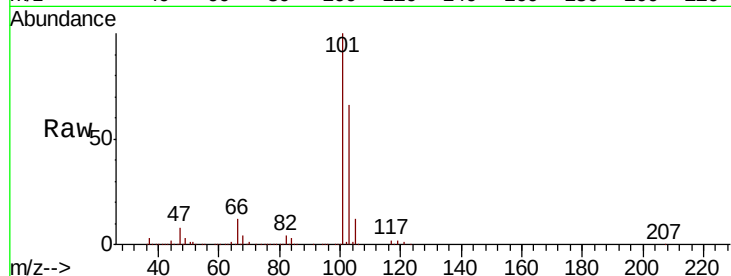


#7

Trichlorofluoromethane
 Concen: 52.215 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

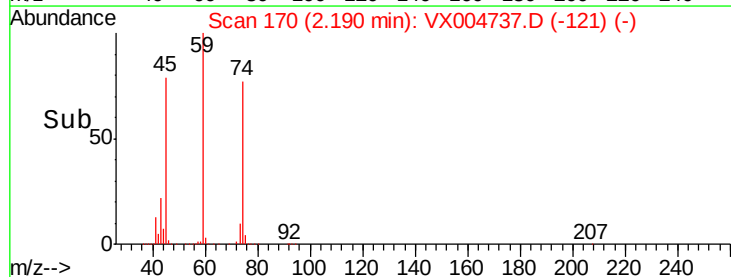
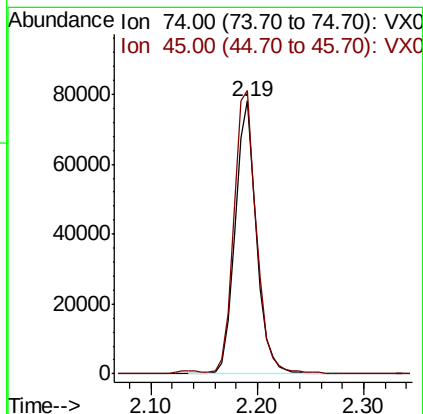
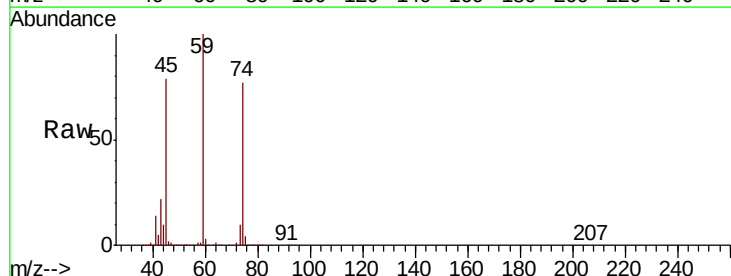
Tot Ion:101 Resp: 267380
 Ion Ratio Lower Upper
 101 100
 103 65.6 48.9 73.3

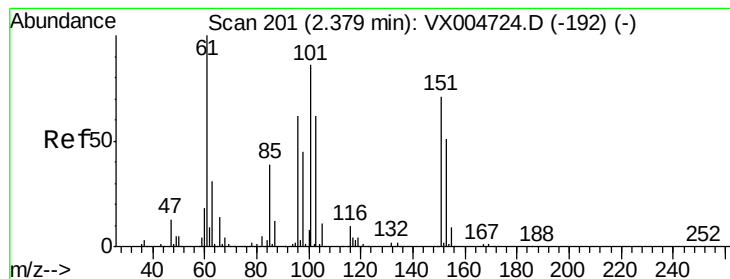


#8

Diethyl Ether
 Concen: 49.345 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Tgt Ion: 74 Resp: 109774
 Ion Ratio Lower Upper
 74 100
 45 108.8 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.280 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

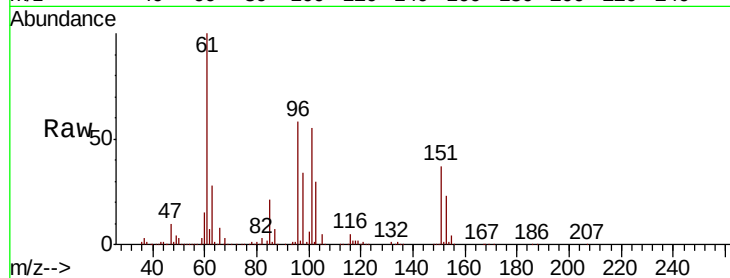
Tot Ion:101 Resp: 155413

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.4

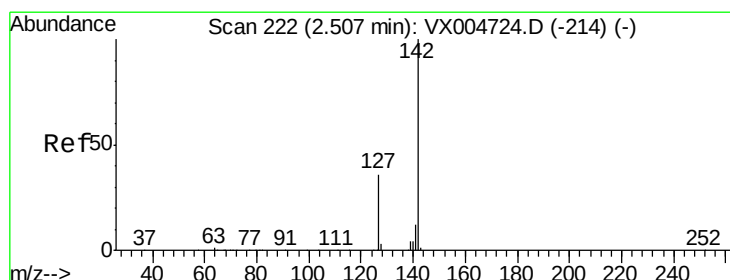
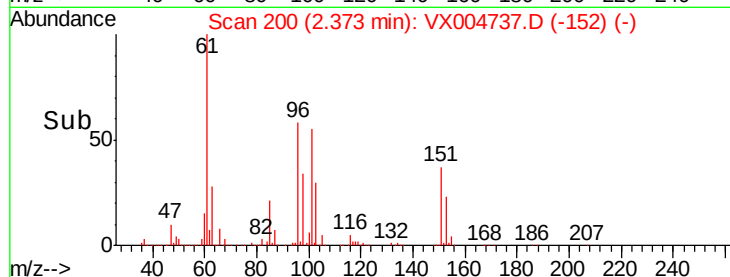
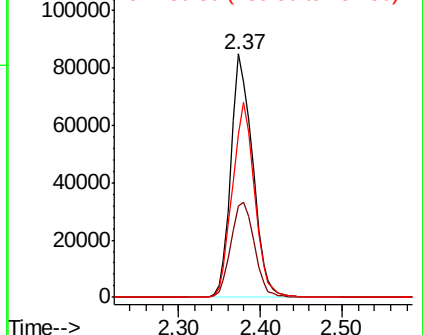
151 81.9 65.0 97.6



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: 53.250 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

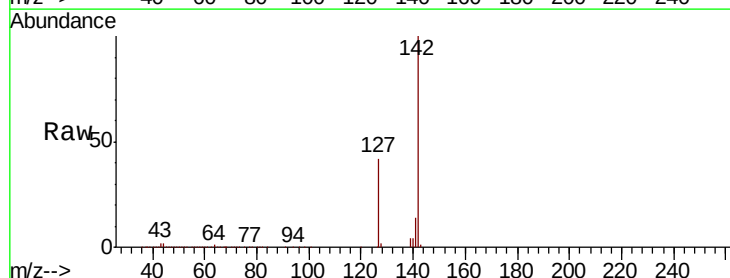
Tgt Ion:142 Resp: 207853

Ion Ratio Lower Upper

142 100

127 42.8 33.8 50.6

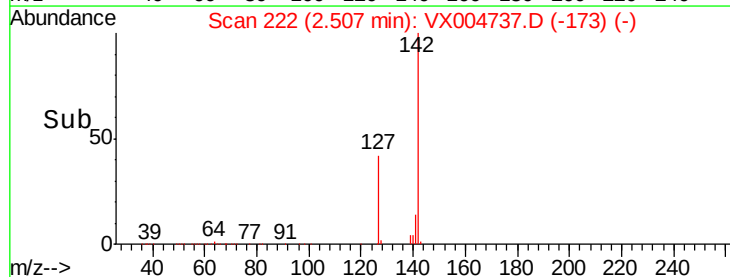
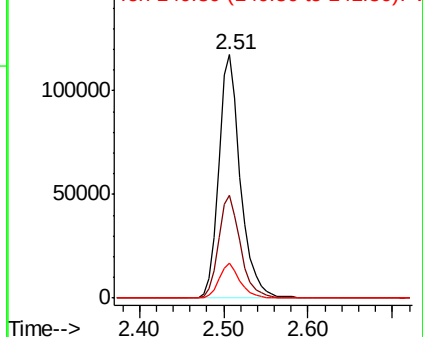
141 14.1 11.4 17.0

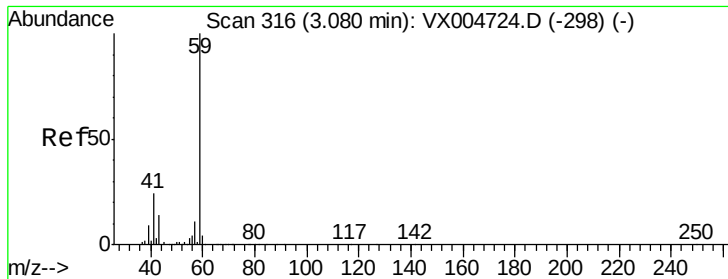


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



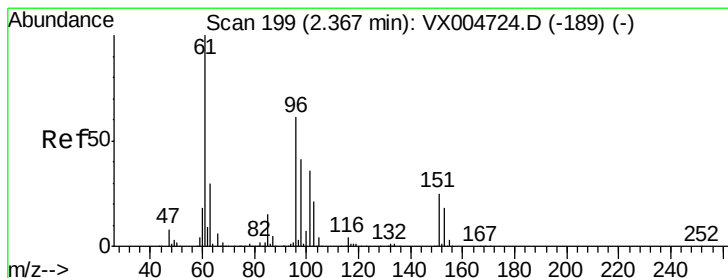
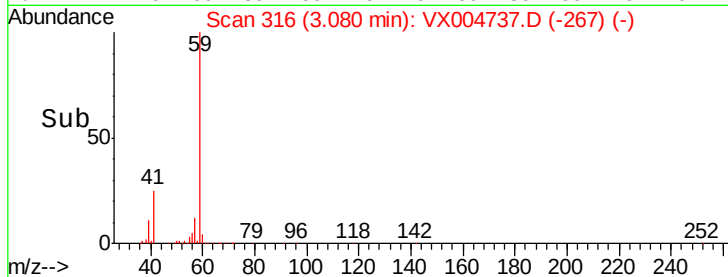
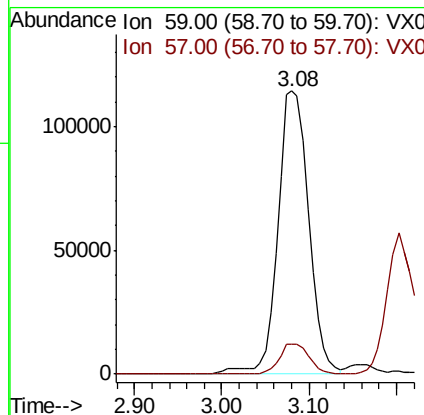
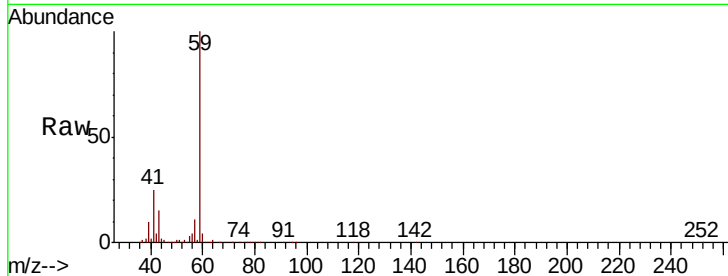


#11

Tert butyl alcohol
 Concen: 263.990 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

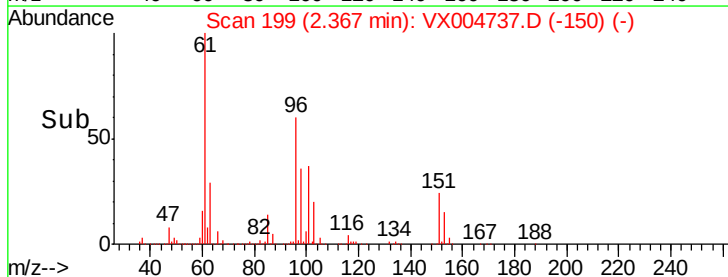
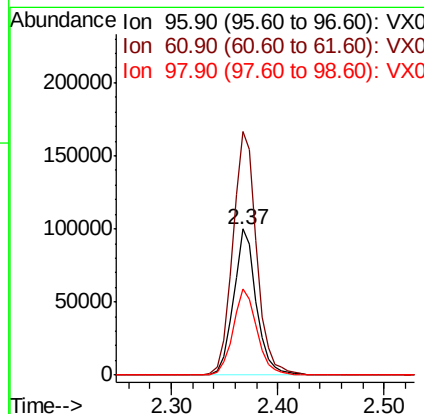
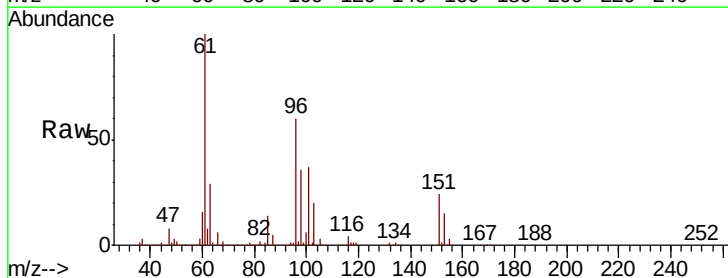
Tot Ion: 59 Resp: 281117
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.4

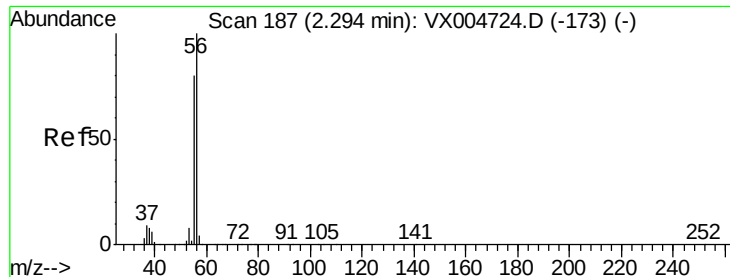


#12

1,1-Dichloroethene
 Concen: 51.915 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Tgt Ion: 96 Resp: 149971
 Ion Ratio Lower Upper
 96 100
 61 166.8 128.8 193.2
 98 59.2 52.2 78.2

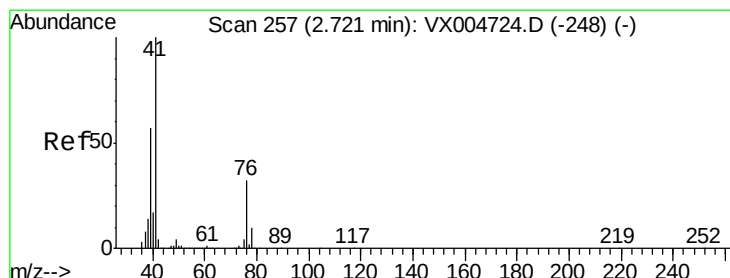
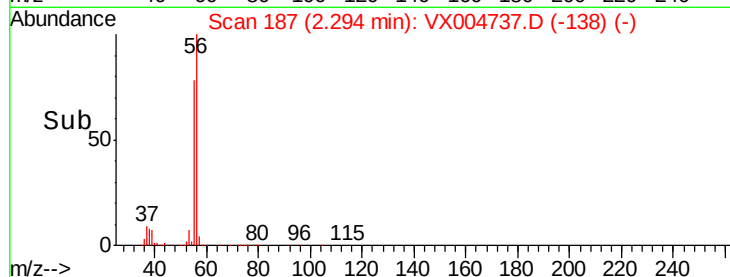
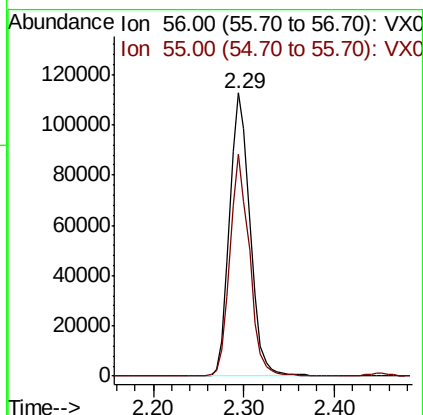
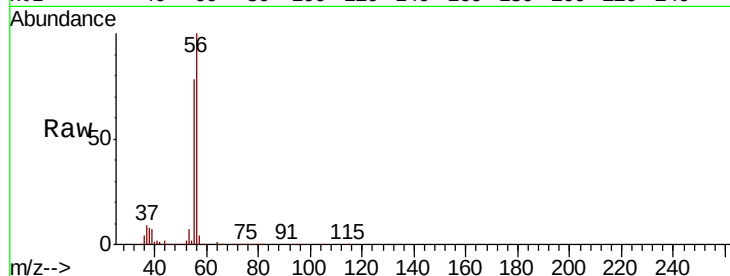




#13
Acrolein
Concen: 233.247 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

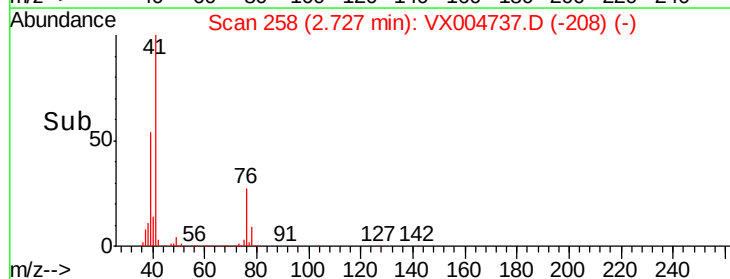
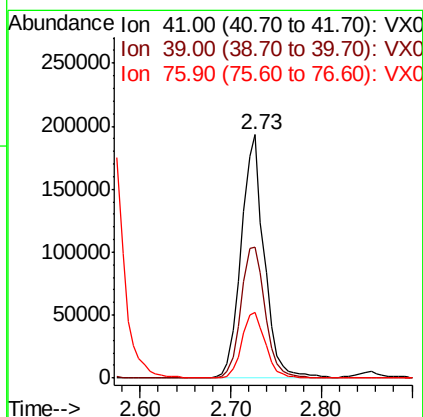
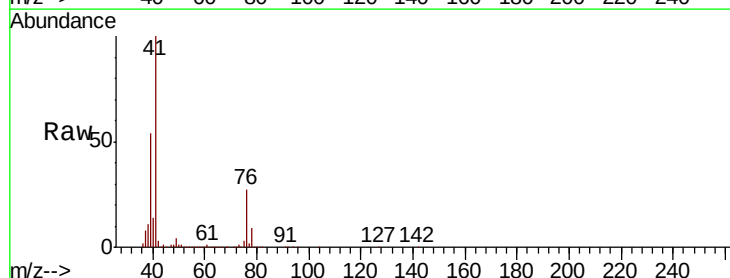
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

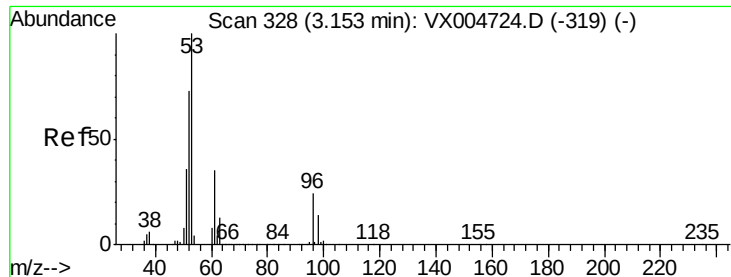
Tot Ion: 56 Resp: 176721
Ion Ratio Lower Upper
56 100
55 74.5 54.7 82.1



#14
Allyl chloride
Concen: 53.925 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Tgt Ion: 41 Resp: 339887
Ion Ratio Lower Upper
41 100
39 56.5 48.9 73.3
76 27.6 26.7 40.1





#15

Acrylonitrile

Concen: 267.999 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

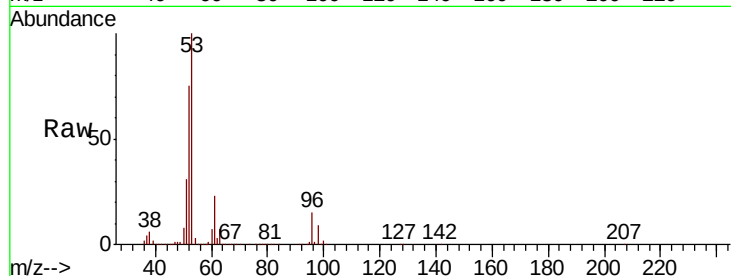
Tot Ion: 53 Resp: 628242

Ion Ratio Lower Upper

53 100

52 80.0 65.2 97.8

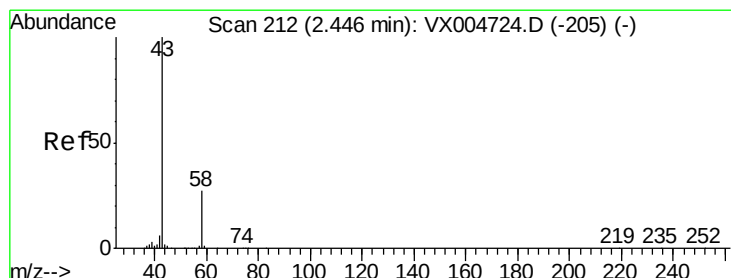
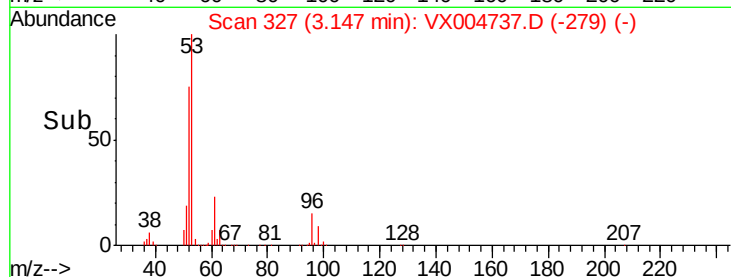
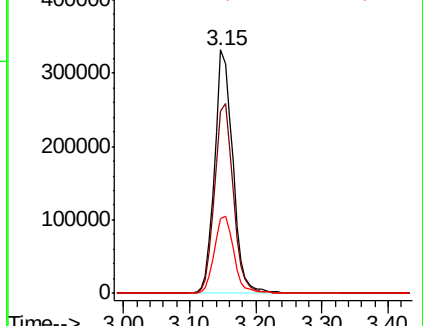
51 34.1 28.2 42.2



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: 243.261 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004737.D

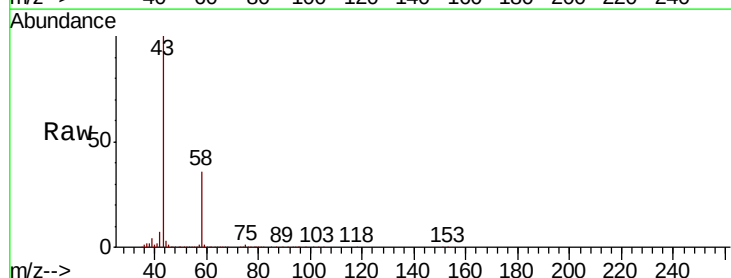
Acq: 26 Sep 2018 20:09

Tgt Ion: 43 Resp: 540876

Ion Ratio Lower Upper

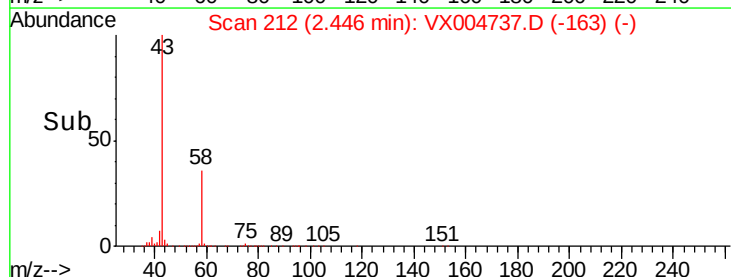
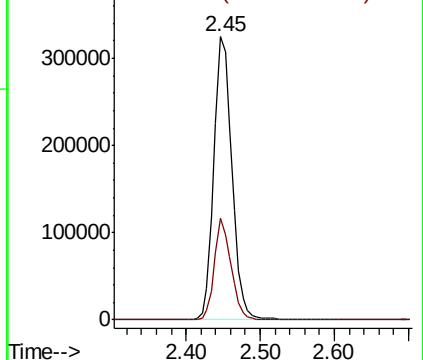
43 100

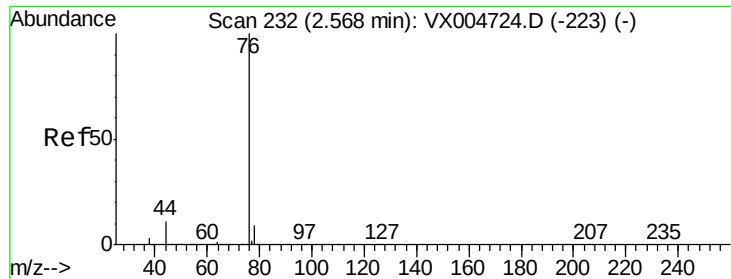
58 35.8 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 51.703 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

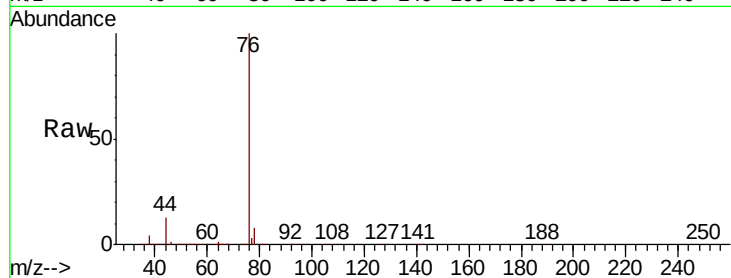
VSTDCCC050EC

Tot Ion: 76 Resp: 448797

Ion Ratio Lower Upper

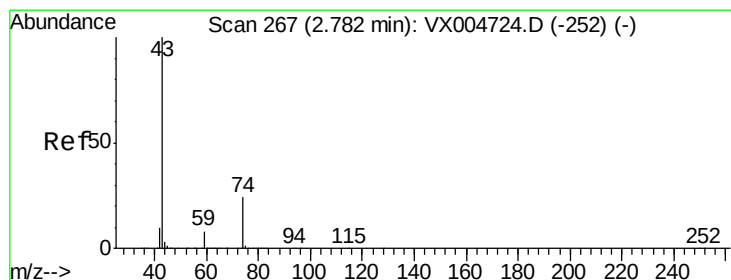
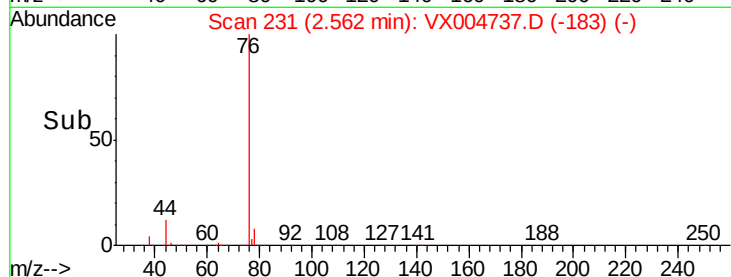
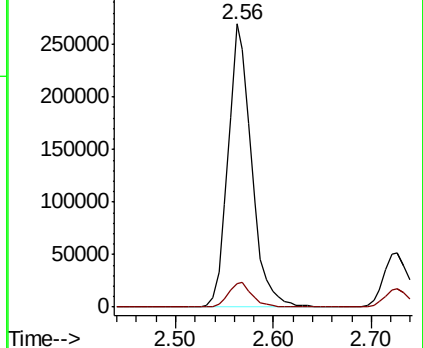
76 100

78 8.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.779 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX004737.D

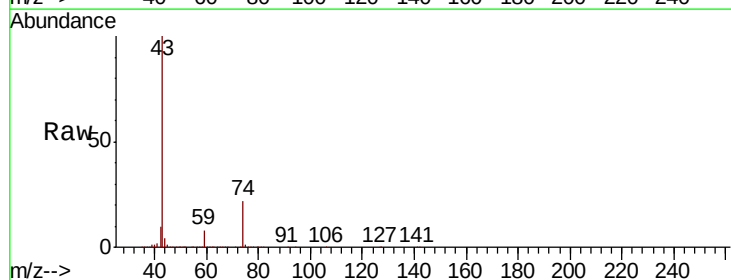
Acq: 26 Sep 2018 20:09

Tgt Ion: 43 Resp: 291689

Ion Ratio Lower Upper

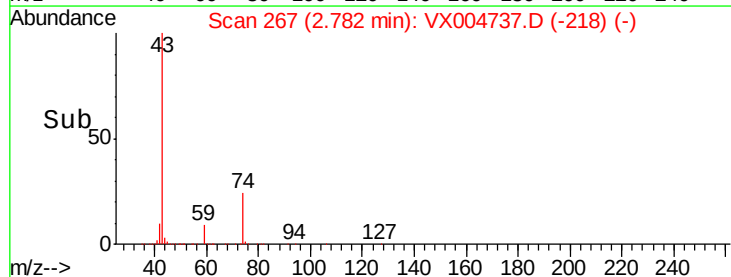
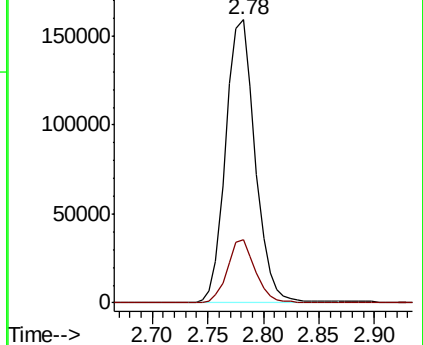
43 100

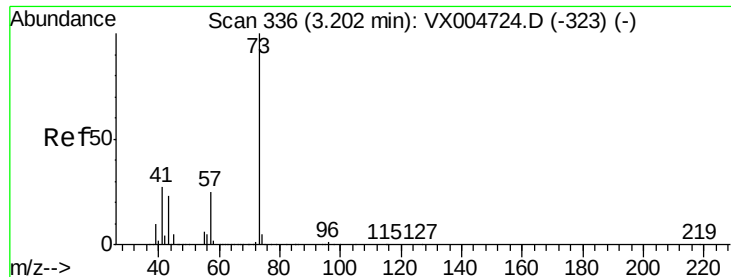
74 21.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



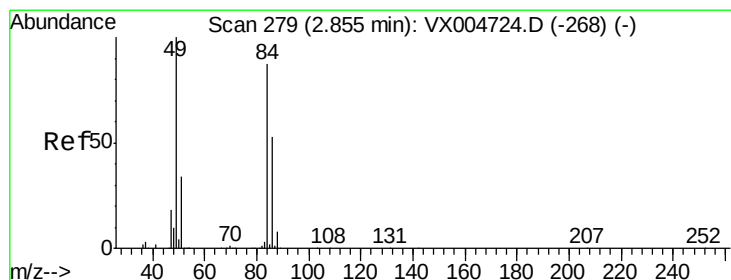
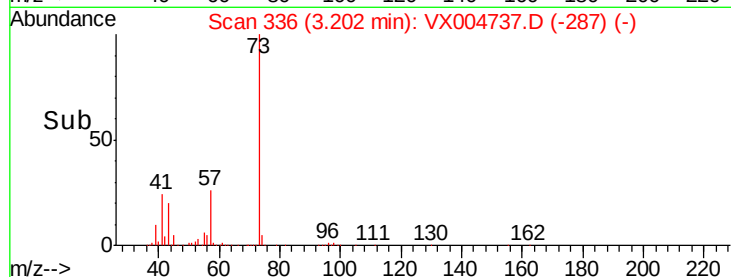
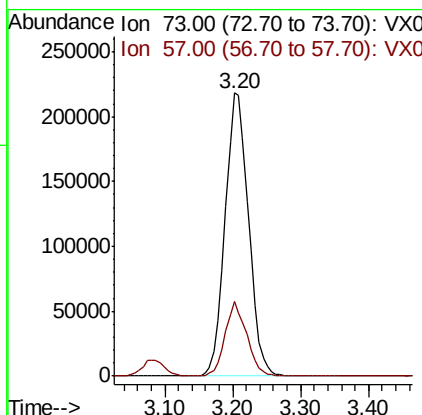
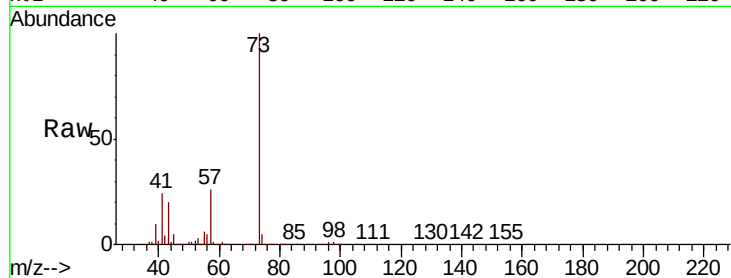


#19

Methyl tert-butyl Ether
 Concen: 52.409 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

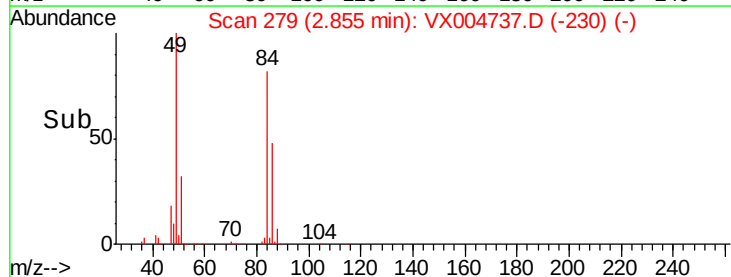
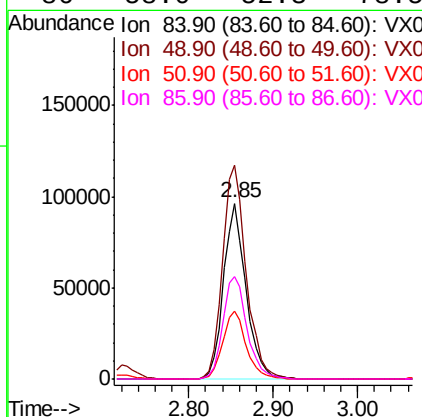
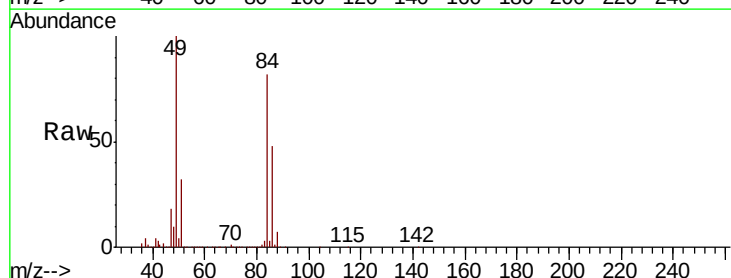
Tot Ion: 73 Resp: 522216
 Ion Ratio Lower Upper
 73 100
 57 26.2 17.1 25.7#

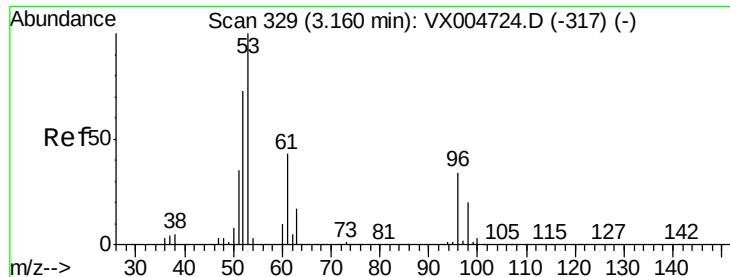


#20

Methylene Chloride
 Concen: 54.598 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Tgt Ion: 84 Resp: 176255
 Ion Ratio Lower Upper
 84 100
 49 121.4 101.2 151.8
 51 38.8 29.5 44.3
 86 58.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 49.592 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

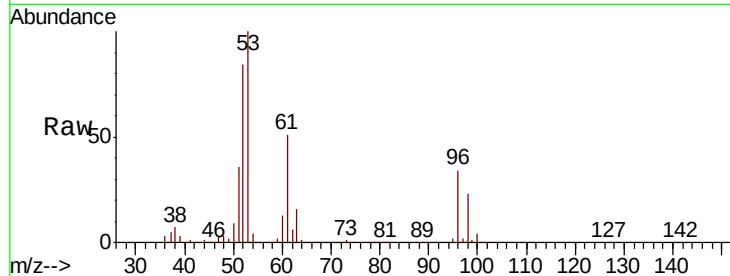
Tot Ion: 96 Resp: 156821

Ion Ratio Lower Upper

96 100

61 151.8 113.8 170.6

98 67.9 51.8 77.8

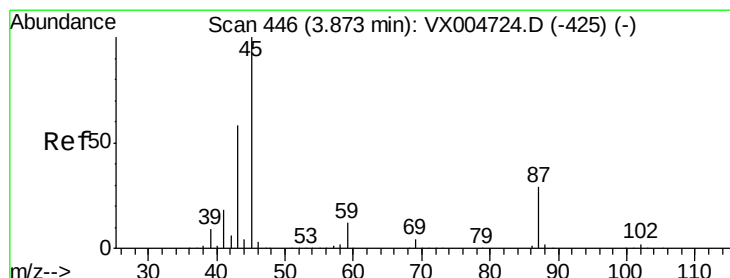
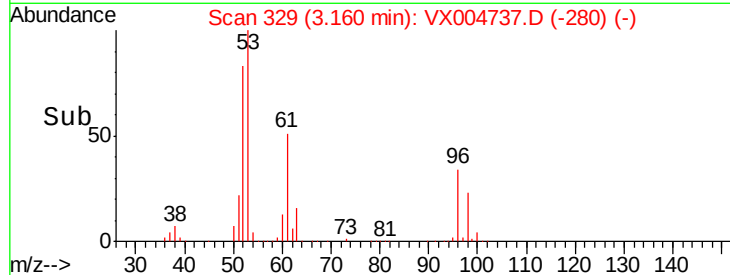
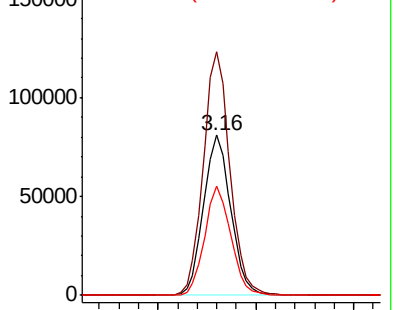


Abundance

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: 55.822 ug/l

RT: 3.88 min Scan# 447

Delta R.T. 0.01 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Tgt Ion: 45 Resp: 592481

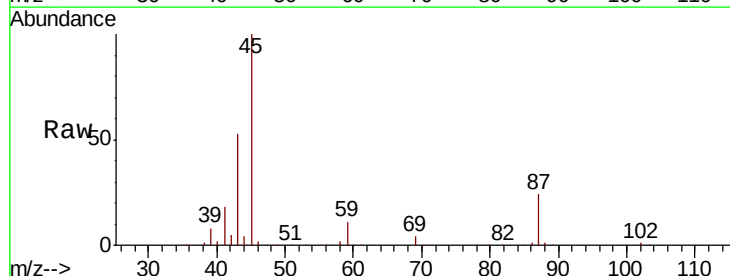
Ion Ratio Lower Upper

45 100

43 52.7 42.8 64.2

87 23.7 22.6 34.0

59 10.8 9.6 14.4



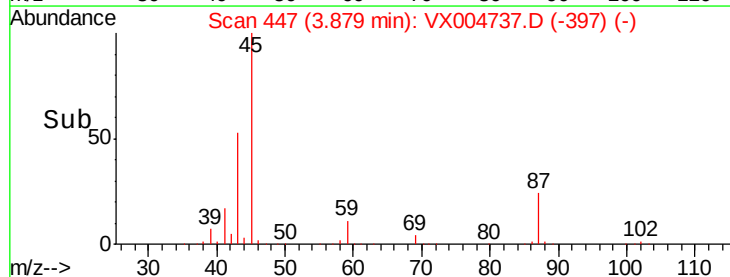
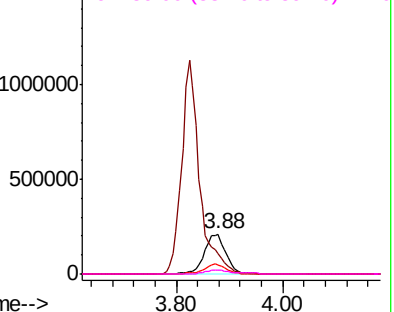
Abundance

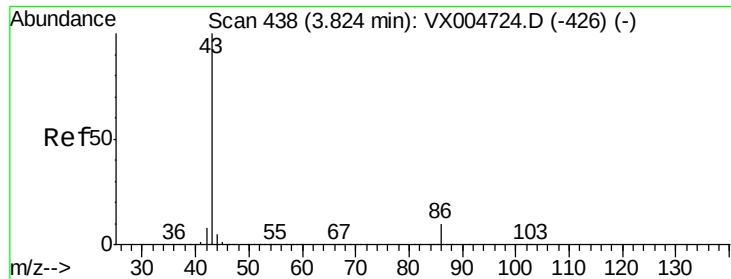
Ion 45.00 (44.70 to 45.70): VX0

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

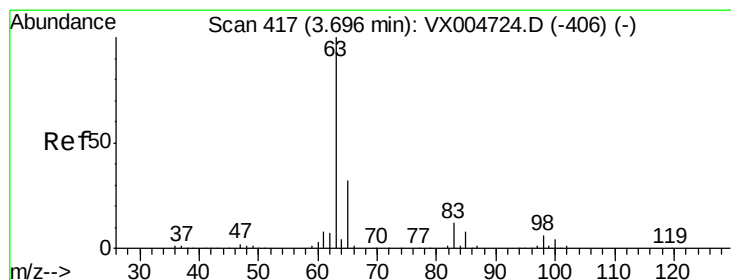
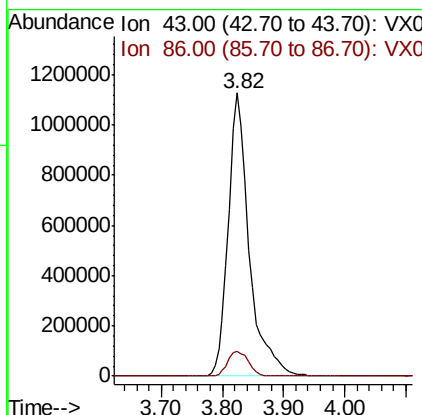
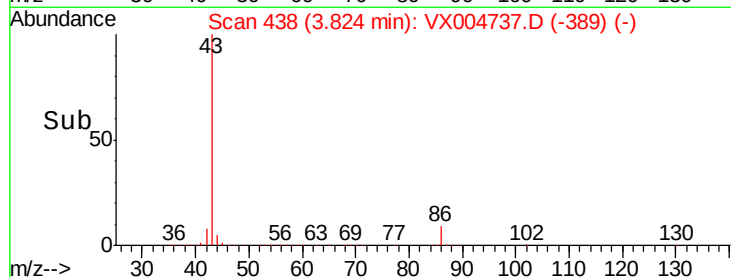
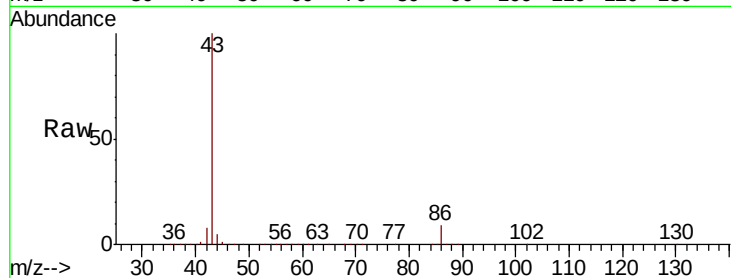




#23
 Vinyl Acetate
 Concen: 273.819 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

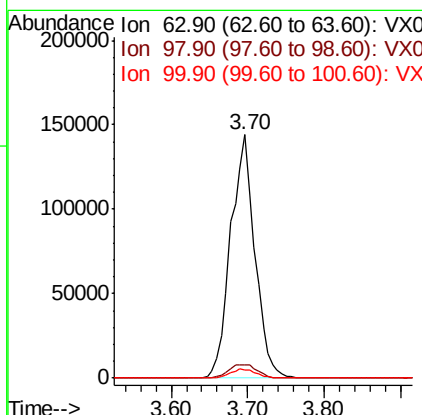
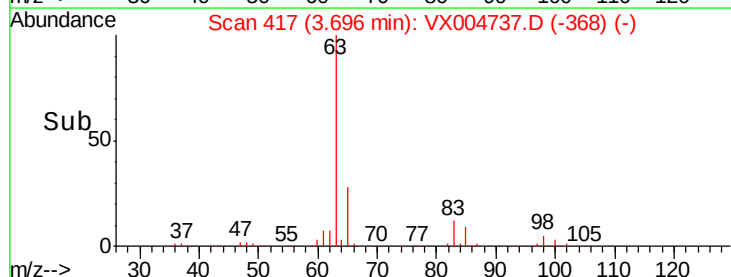
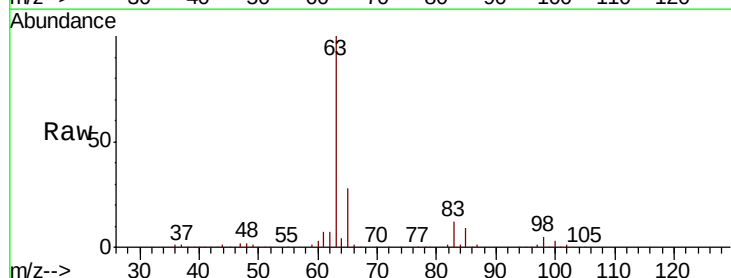
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

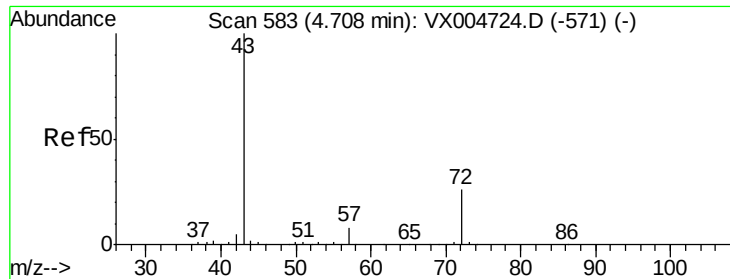
Tot Ion: 43 Resp: 2660244
 Ion Ratio Lower Upper
 43 100
 86 8.6 8.9 13.3#



#24
 1,1-Dichloroethane
 Concen: 49.583 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Tgt Ion: 63 Resp: 313921
 Ion Ratio Lower Upper
 63 100
 98 5.4 3.5 10.4
 100 3.3 2.4 7.1





#25

2-Butanone

Concen: 260.688 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

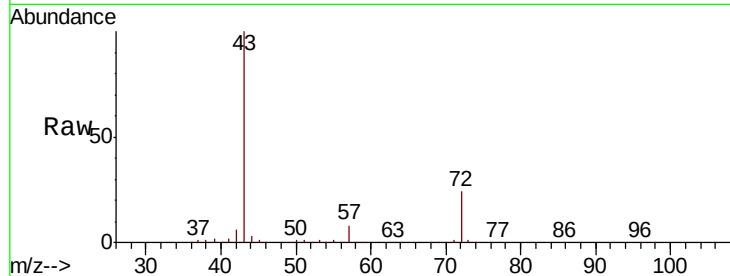
VSTDCCC050EC

Tot Ion: 43 Resp: 854384

Ion Ratio Lower Upper

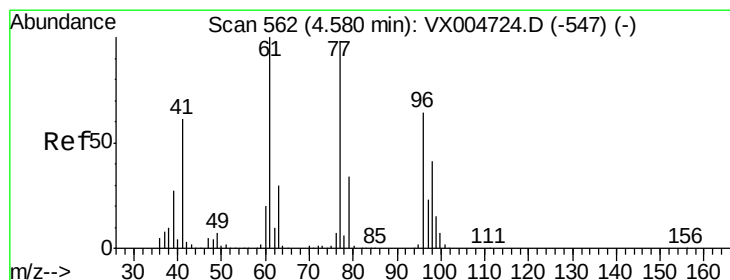
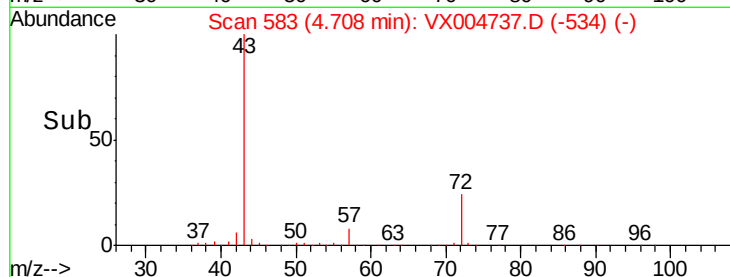
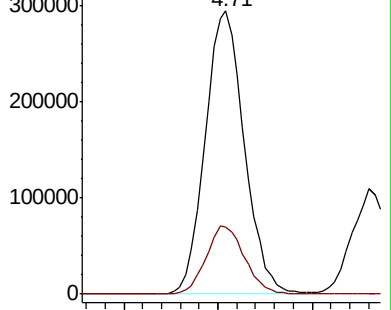
43 100

72 23.7 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 49.942 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004737.D

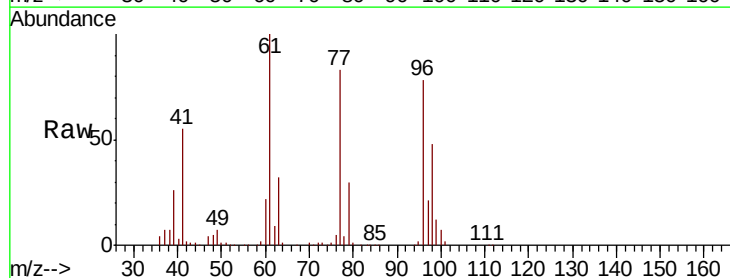
Acq: 26 Sep 2018 20:09

Tgt Ion: 77 Resp: 220182

Ion Ratio Lower Upper

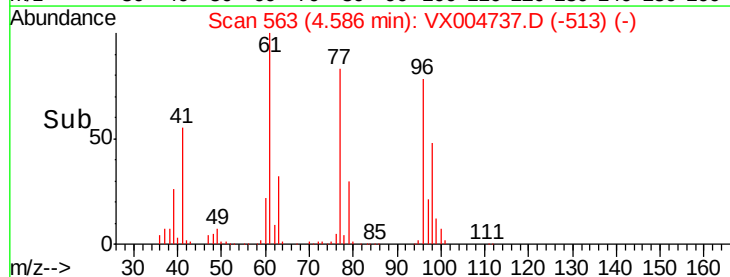
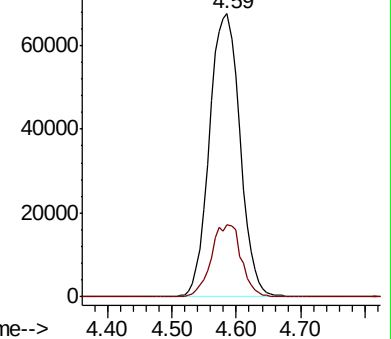
77 100

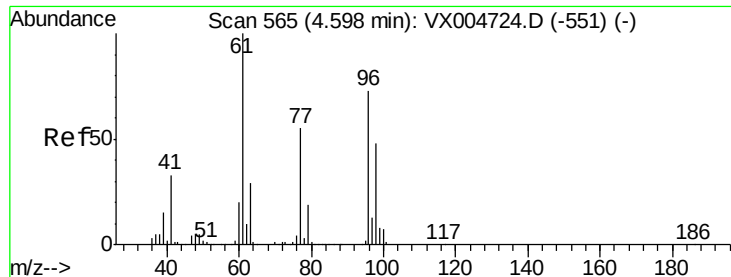
97 25.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



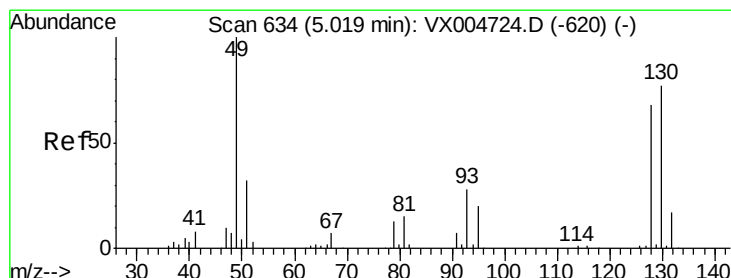
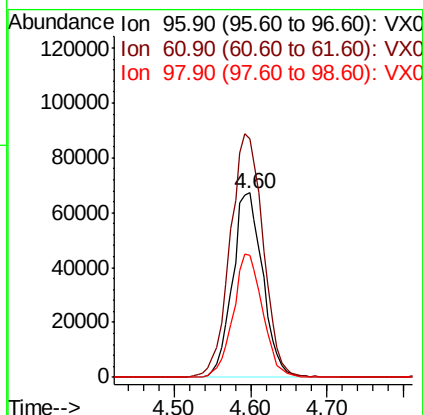
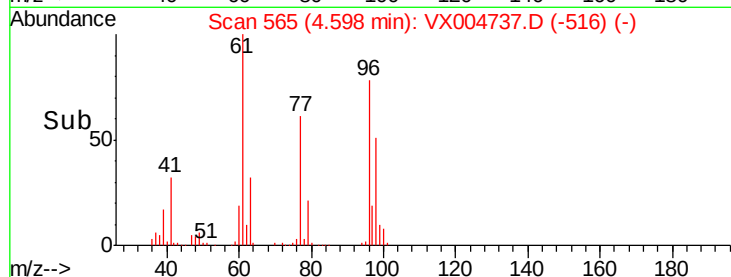
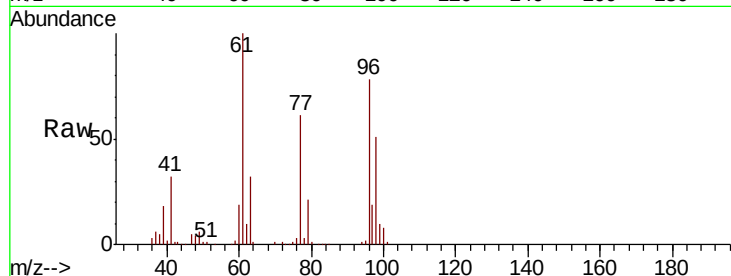


#27

cis-1,2-Dichloroethene
 Concen: 52.297 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

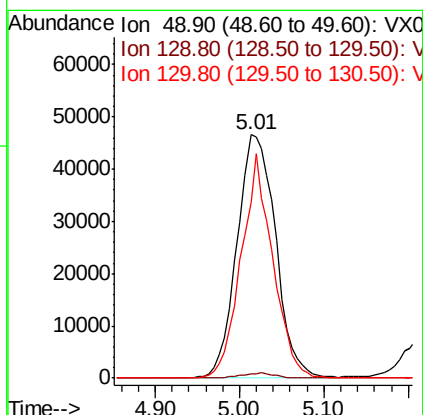
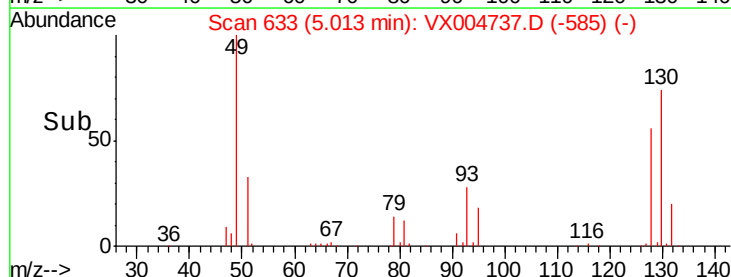
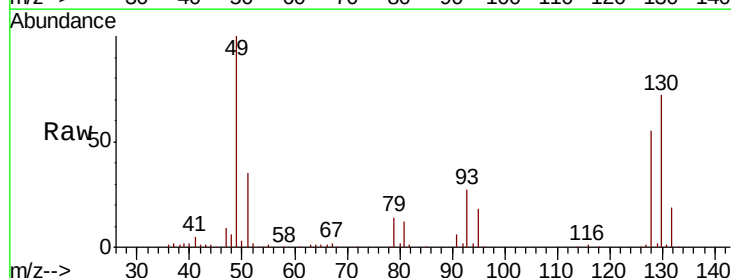
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	282.6
98	65.2	0.0	130.2

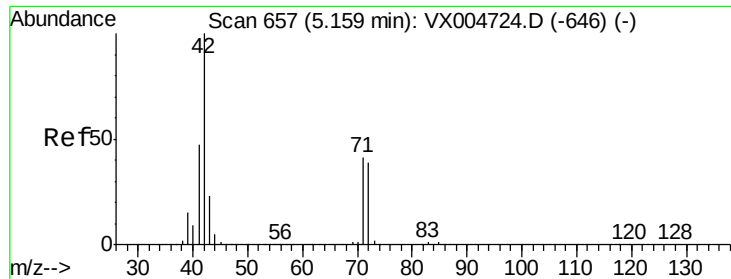


#28

Bromochloromethane
 Concen: 48.706 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	75.2	67.5	101.3





#29

Tetrahydrofuran

Concen: 281.839 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

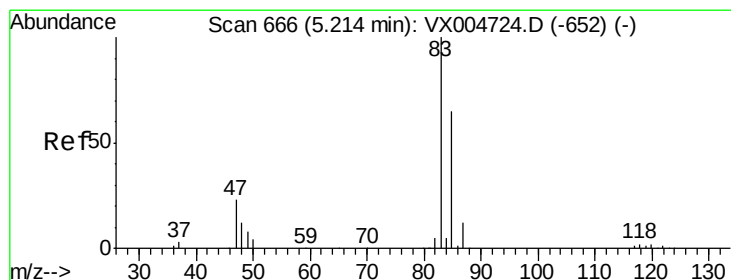
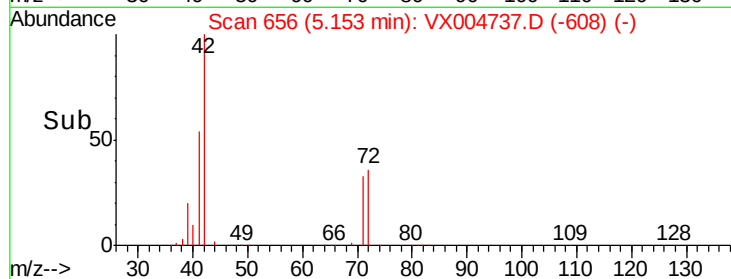
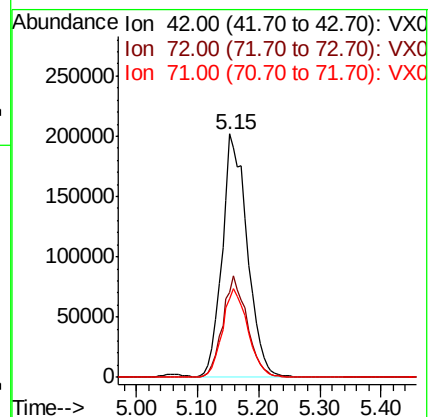
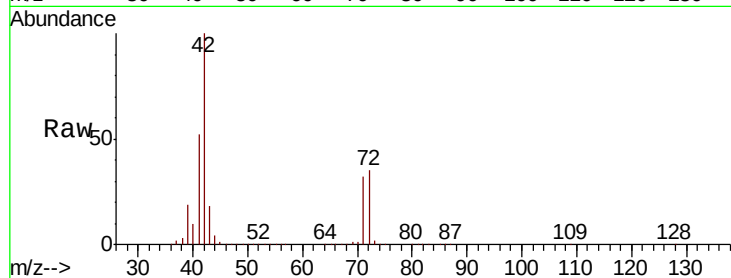
Tot Ion: 42 Resp: 574116

Ion Ratio Lower Upper

42 100

72 40.7 37.4 56.0

71 37.0 34.5 51.7



#30

Chloroform

Concen: 49.647 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX004737.D

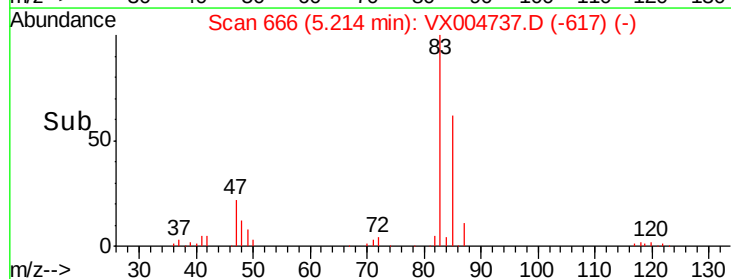
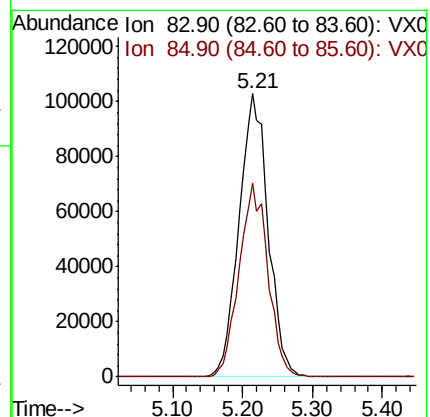
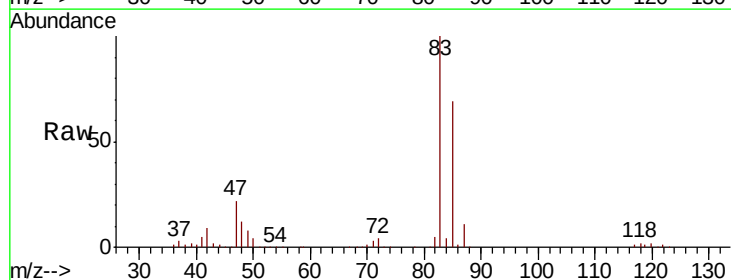
Acq: 26 Sep 2018 20:09

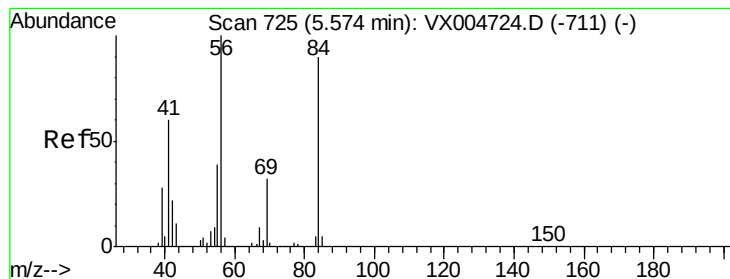
Tgt Ion: 83 Resp: 297069

Ion Ratio Lower Upper

83 100

85 68.6 52.6 79.0





#31

Cyclohexane

Concen: 59.552 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

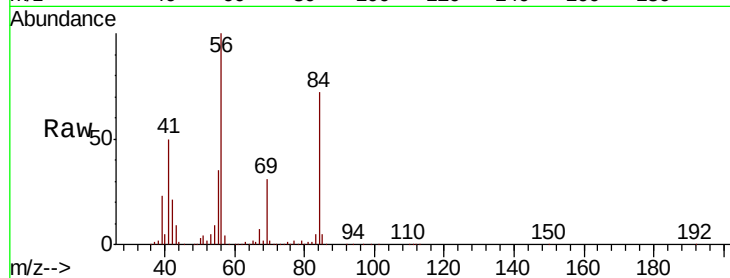
Tot Ion: 56 Resp: 288571

Ion Ratio Lower Upper

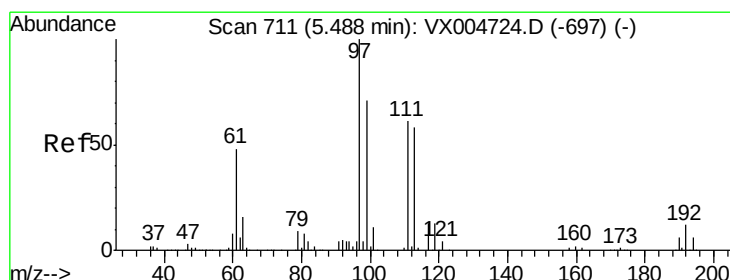
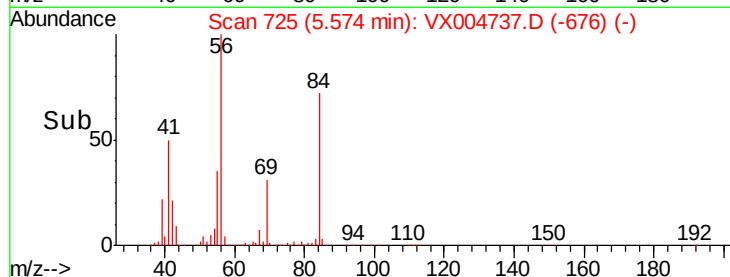
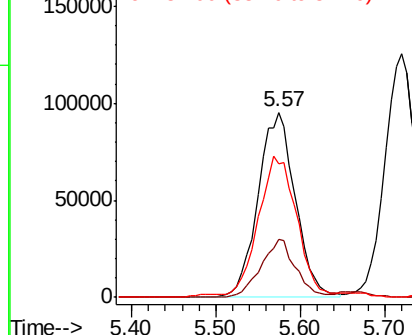
56 100

69 31.5 25.4 38.2

84 71.3 71.4 107.2#



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: 52.478 ug/l

RT: 5.49 min Scan# 711

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

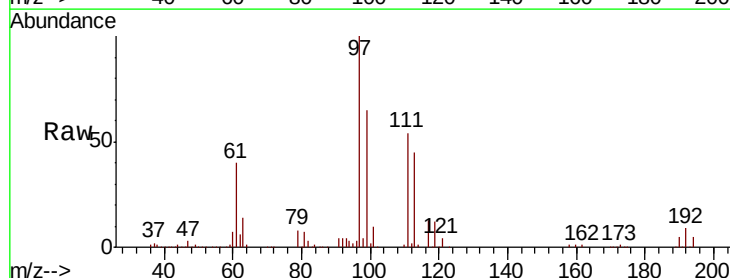
Tgt Ion: 97 Resp: 256445

Ion Ratio Lower Upper

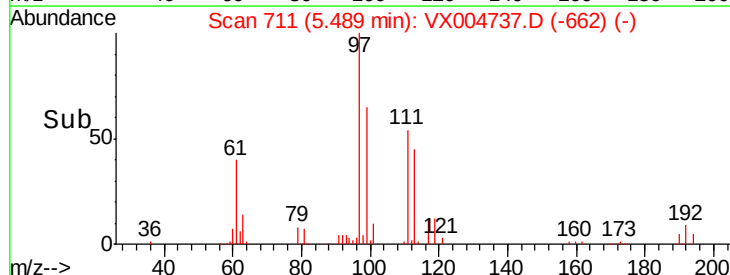
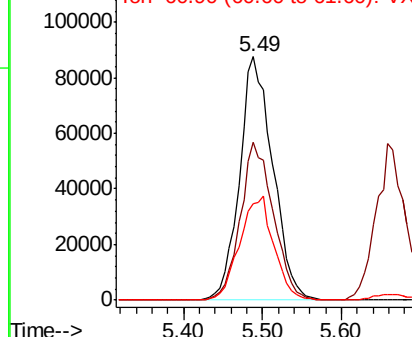
97 100

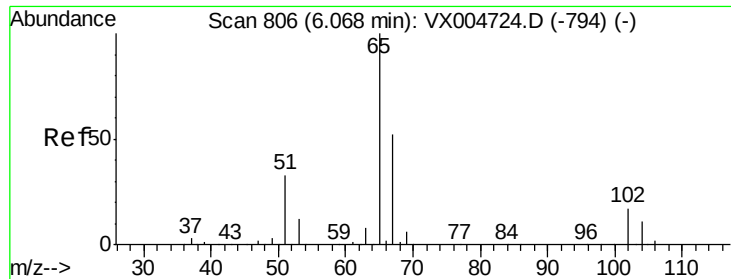
99 64.2 52.0 78.0

61 43.9 34.9 52.3



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

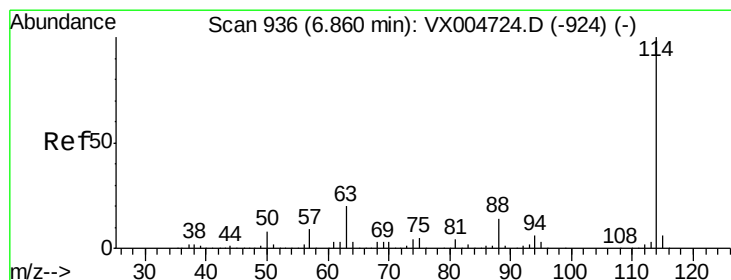
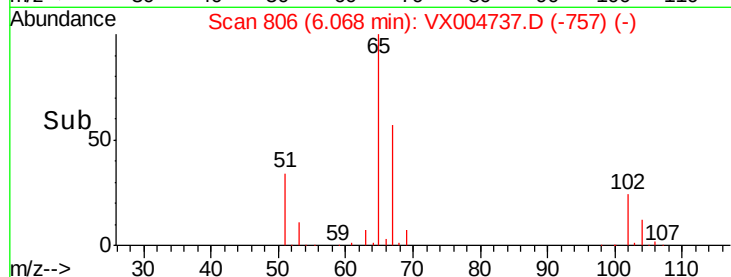
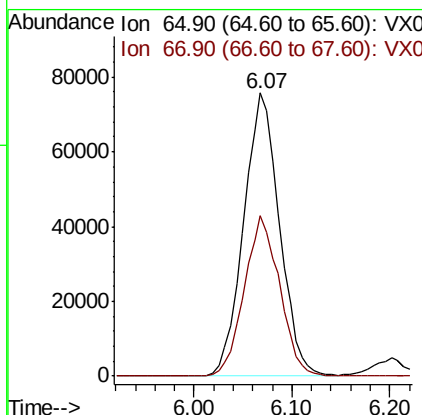
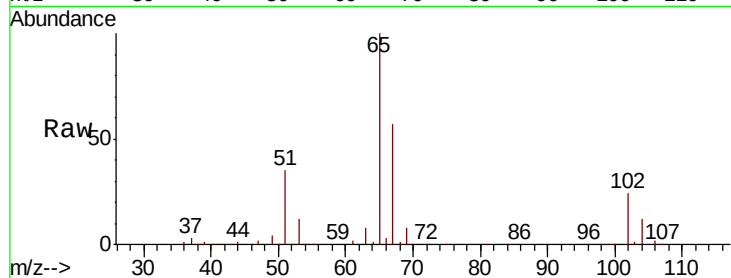




#33
 1,2-Dichloroethane-d4
 Concen: 50.402 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

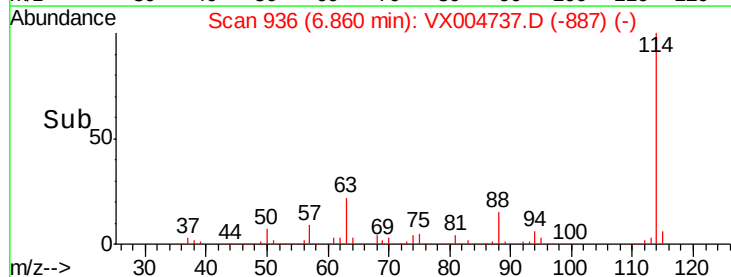
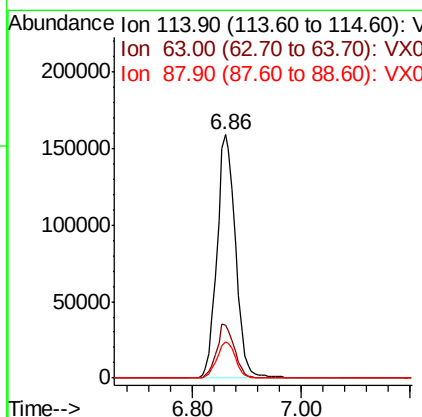
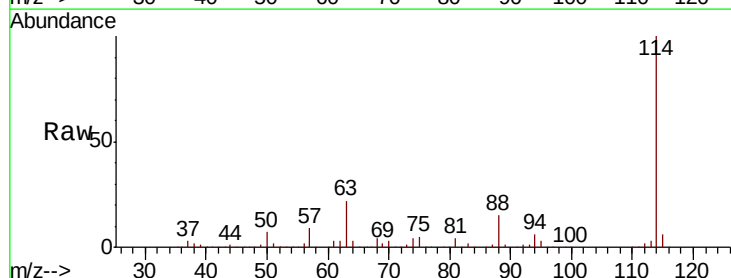
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

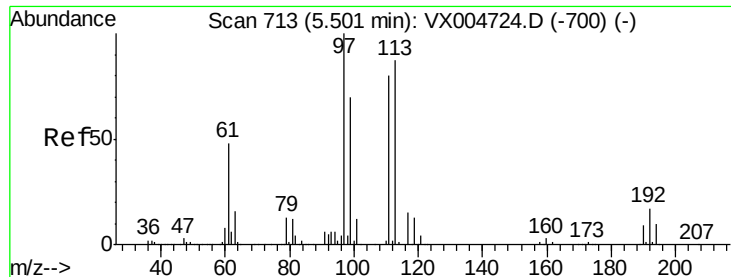
Tot Ion: 65 Resp: 191953
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Tgt Ion: 114 Resp: 376926
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 39.0
 88 14.8 0.0 30.4

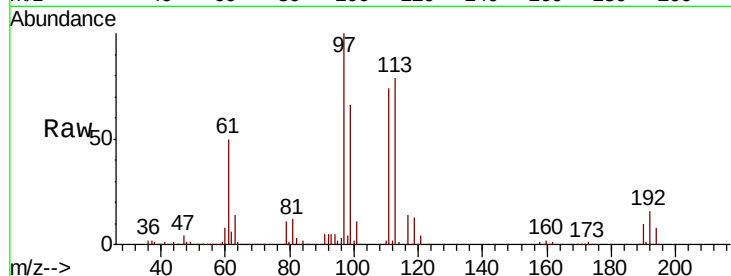




#35
 Dibromofluoromethane
 Concen: 50.340 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.4	123.6
192	23.1	19.4	29.2

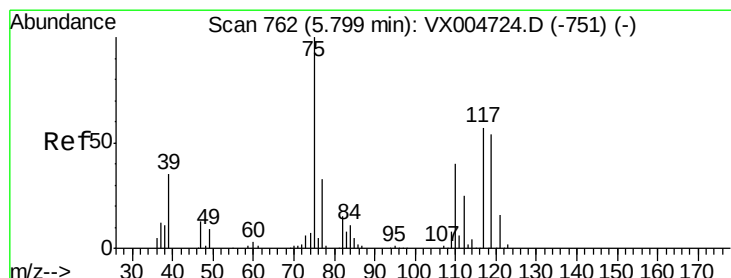
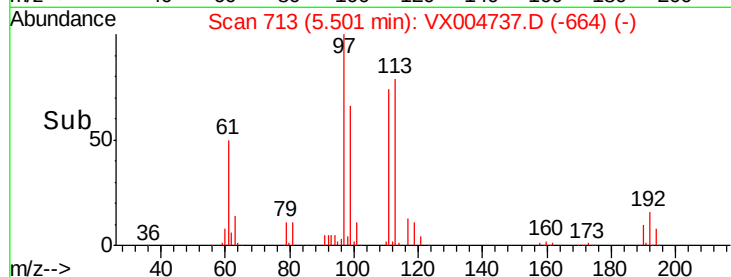
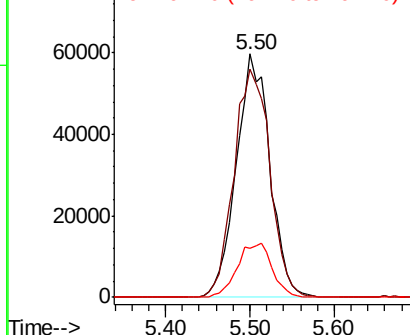


Abundance

Ion 112.80 (112.50 to 113.50): V

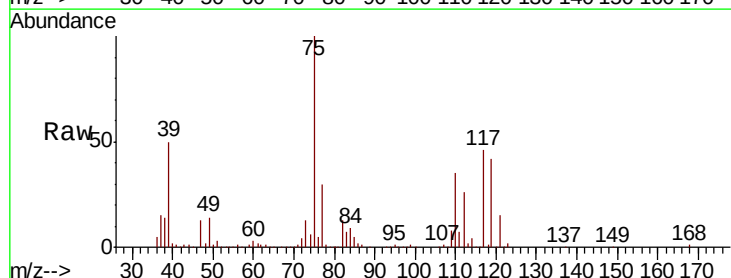
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 51.015 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.0	54.0
77	30.6	24.6	36.8

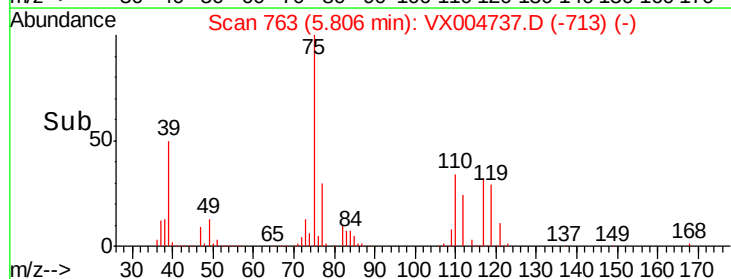
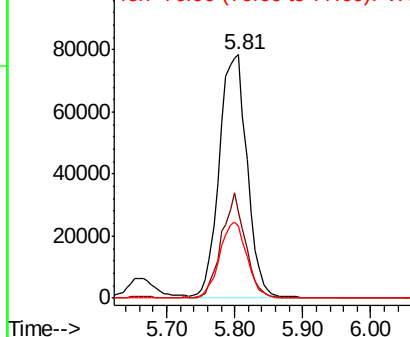


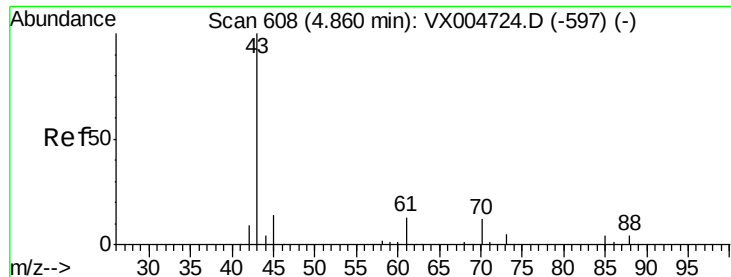
Abundance

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

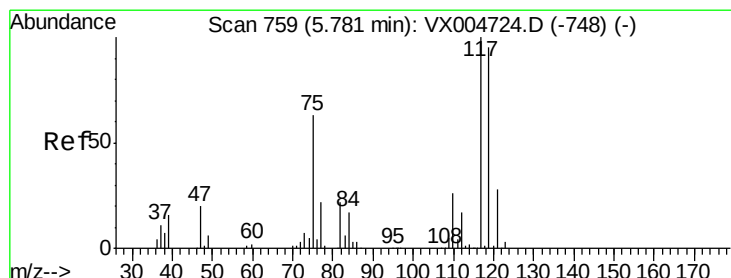
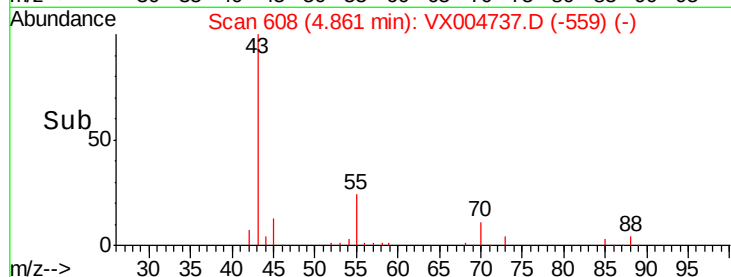
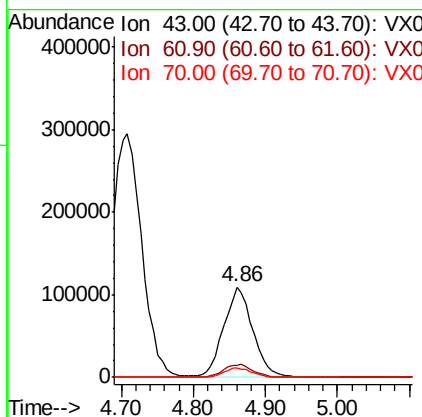
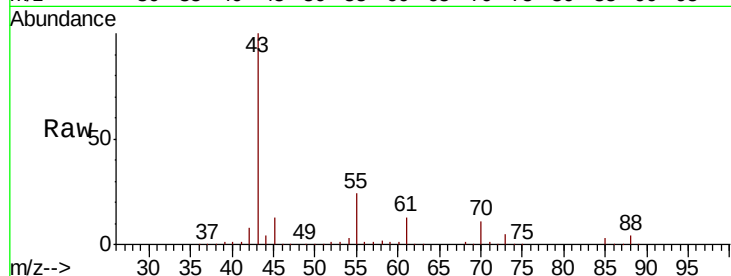




#37
Ethyl Acetate
Concen: 52.846 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

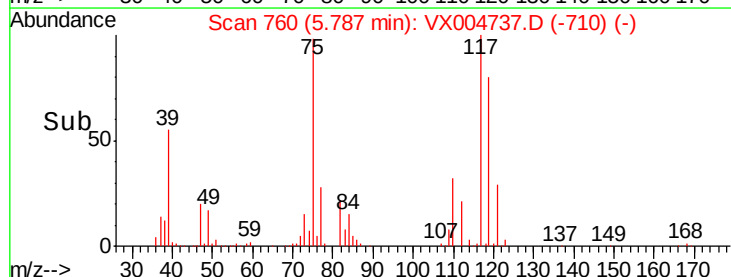
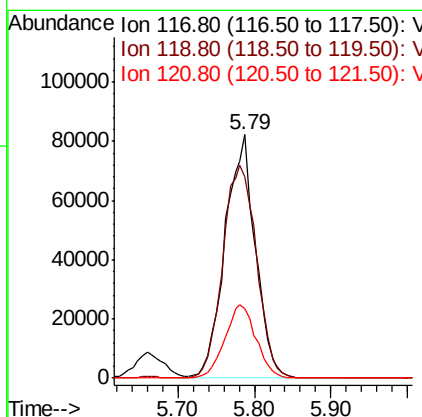
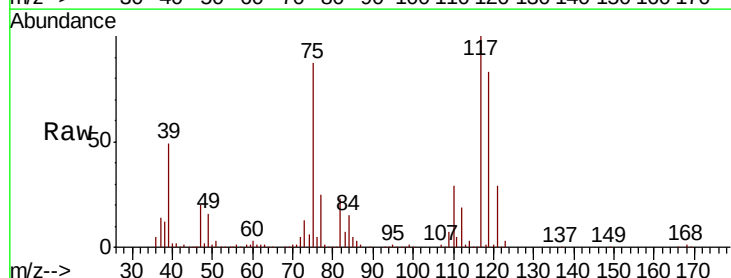
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

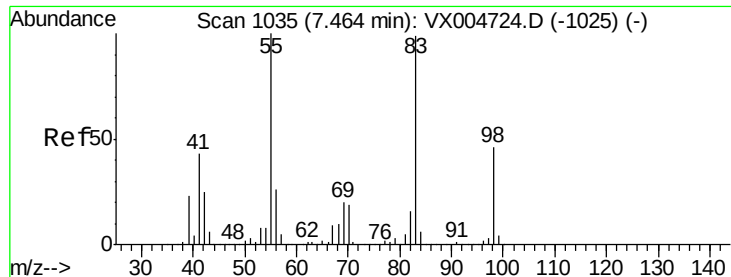
Tot Ion: 43 Resp: 305740
Ion Ratio Lower Upper
43 100
61 14.3 11.5 17.3
70 10.4 9.0 13.6



#38
Carbon Tetrachloride
Concen: 49.215 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Tgt Ion: 117 Resp: 225481
Ion Ratio Lower Upper
117 100
119 82.9 78.8 118.2
121 28.7 24.9 37.3

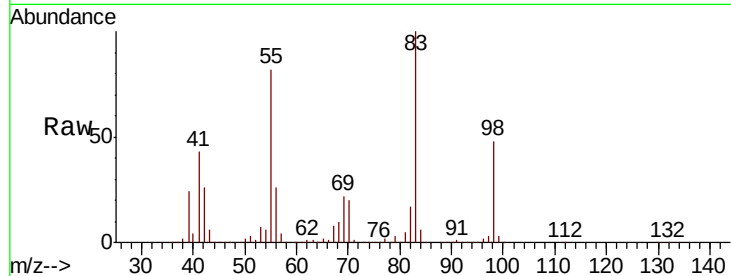




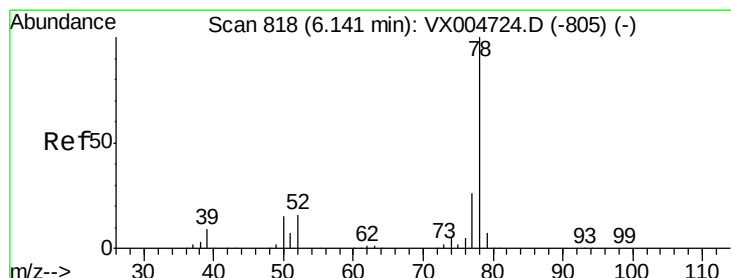
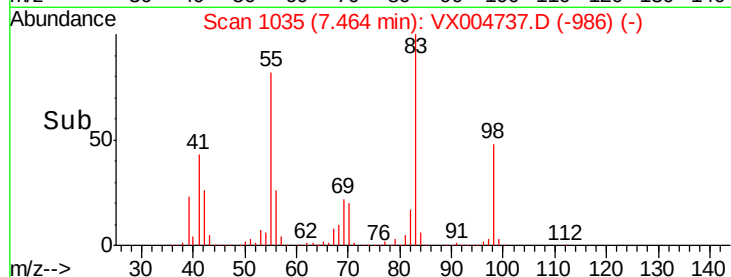
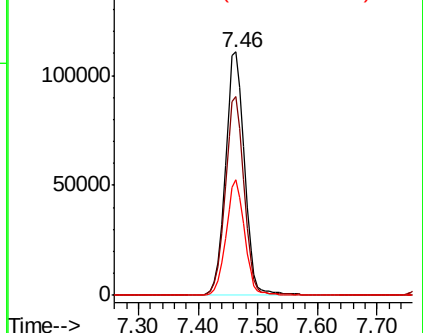
#39
Methylvlcyclohexane
Concen: 55.481 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 246916
Ion Ratio Lower Upper
83 100
55 81.8 61.0 91.4
98 47.6 39.6 59.4

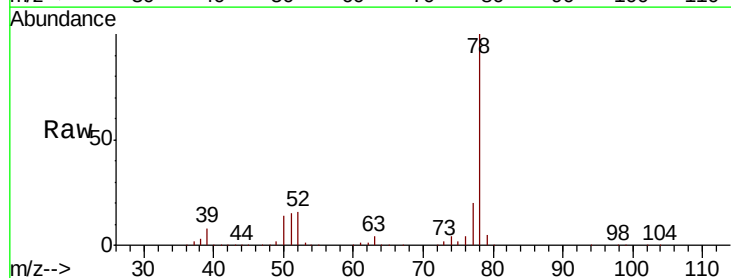


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

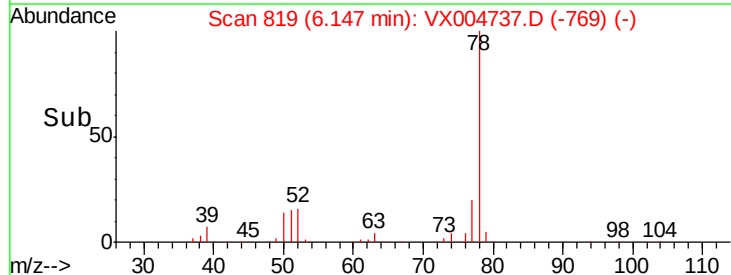
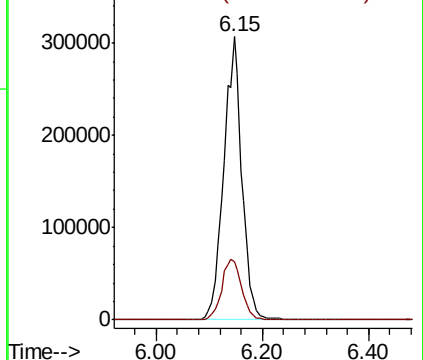


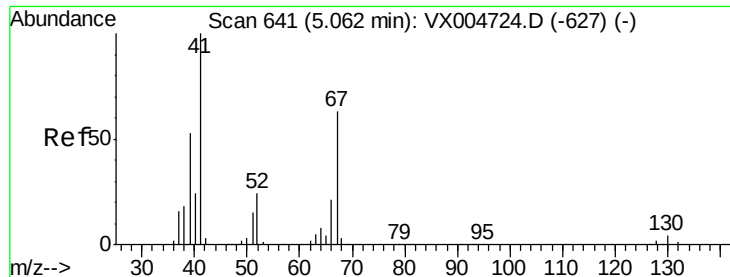
#40
Benzene
Concen: 53.580 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Tgt Ion: 78 Resp: 731106
Ion Ratio Lower Upper
78 100
77 20.4 19.0 28.4



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

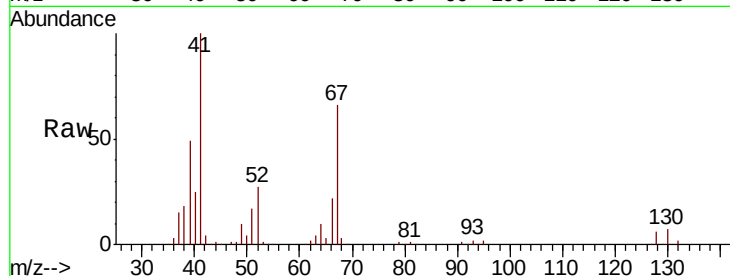




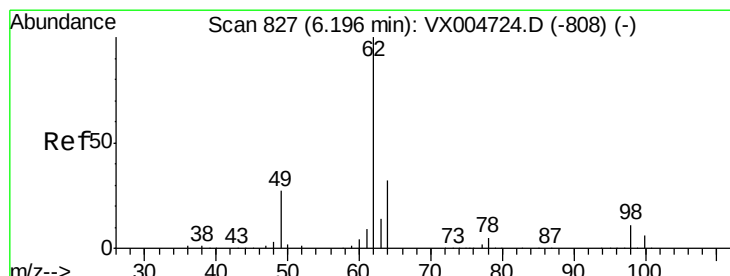
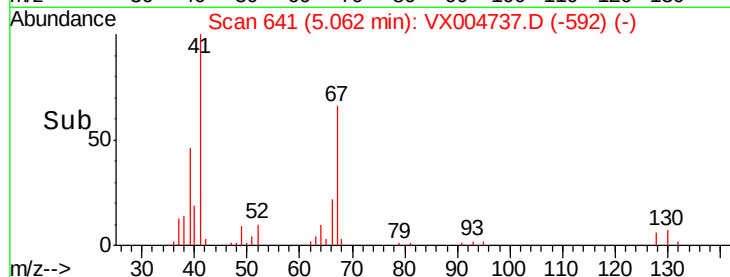
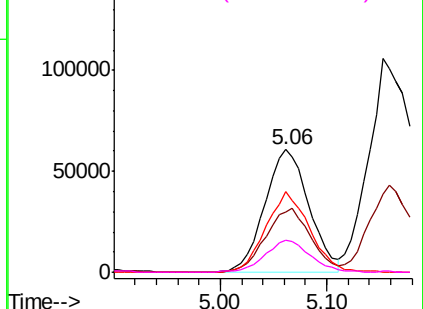
#41
Methacrylonitrile
Concen: 54.433 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	174648
Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.4	63.6
67	64.9	59.2	88.8
52	26.4	23.0	34.4

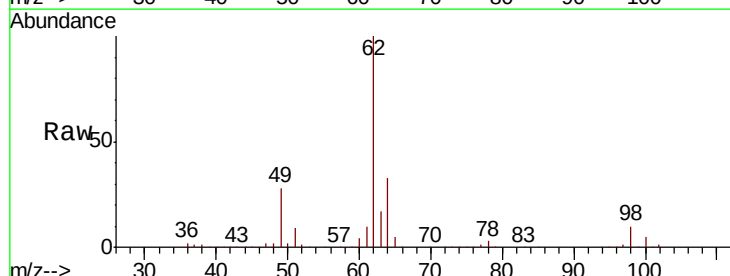


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

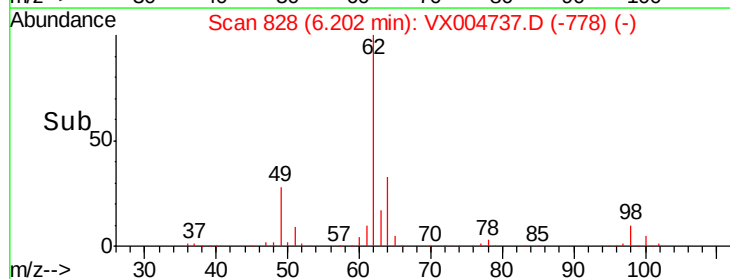
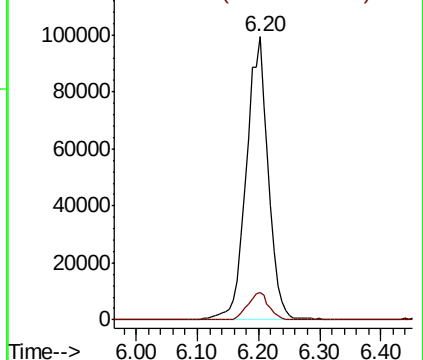


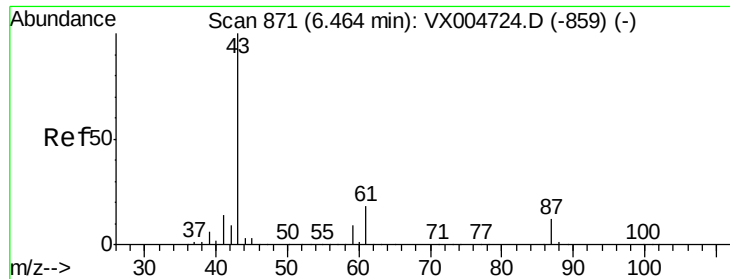
#42
1,2-Dichloroethane
Concen: 51.643 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Tgt Ion:	62	Resp:	249108
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.668 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

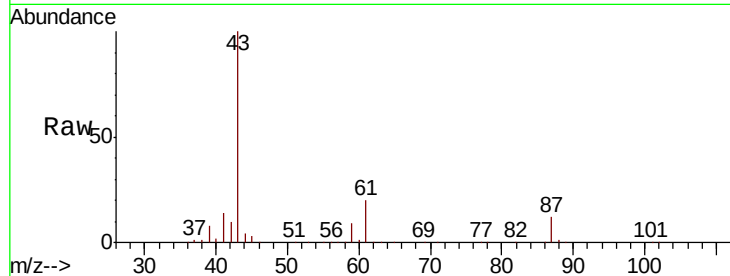
Tot Ion: 43 Resp: 431449

Ion Ratio Lower Upper

43 100

61 20.2 17.0 25.4

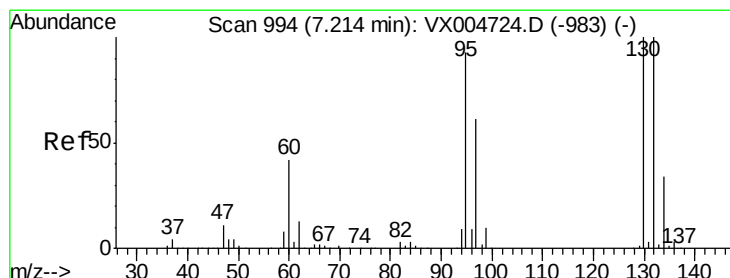
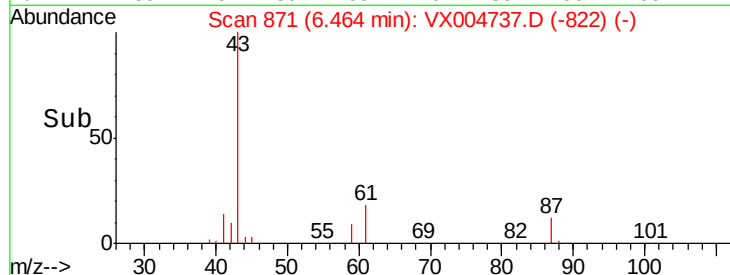
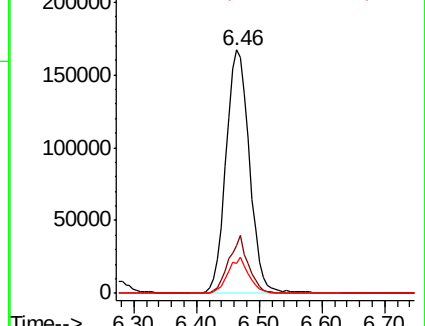
87 13.3 11.4 17.2



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: 51.746 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX004737.D

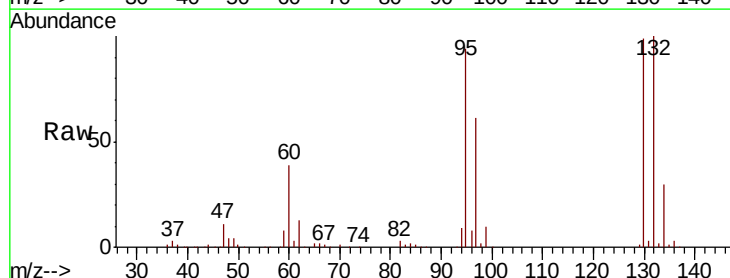
Acq: 26 Sep 2018 20:09

Tgt Ion:130 Resp: 173574

Ion Ratio Lower Upper

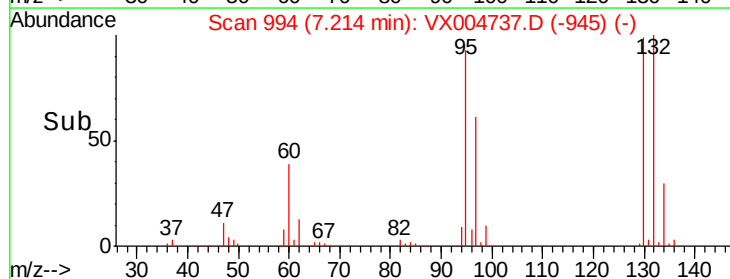
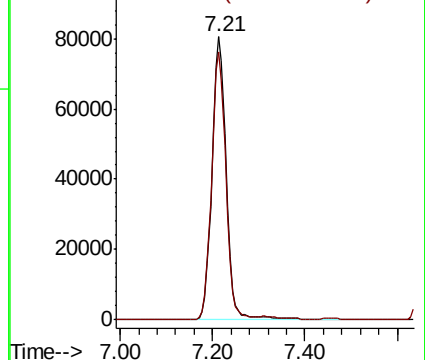
130 100

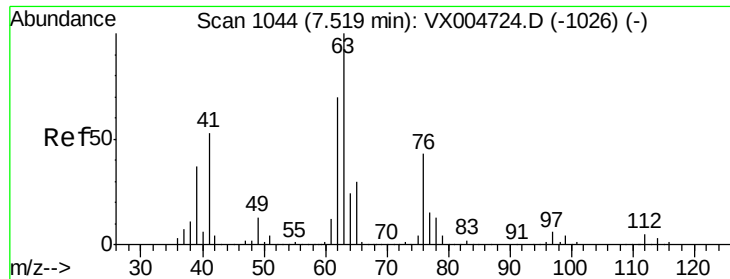
95 94.6 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

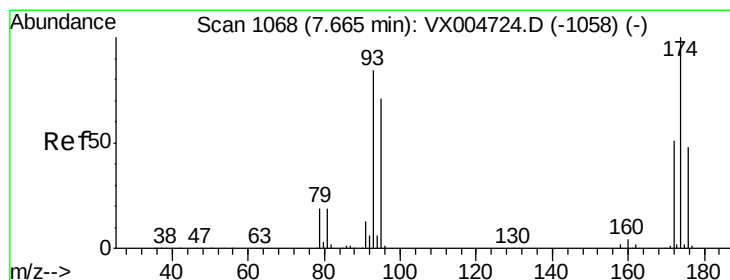
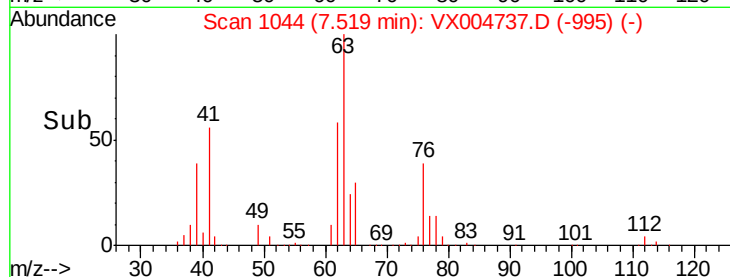
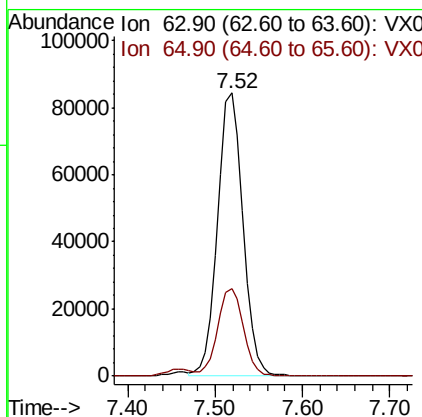
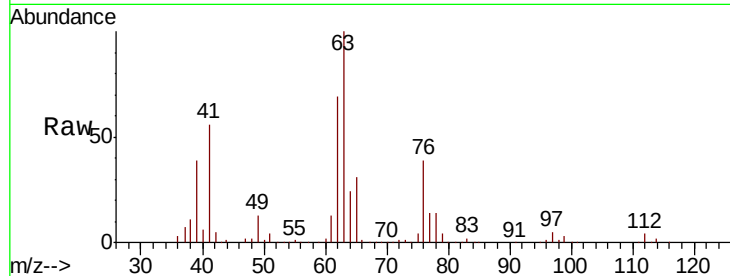




#45
 1,2-Dichloropropane
 Concen: 50.694 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

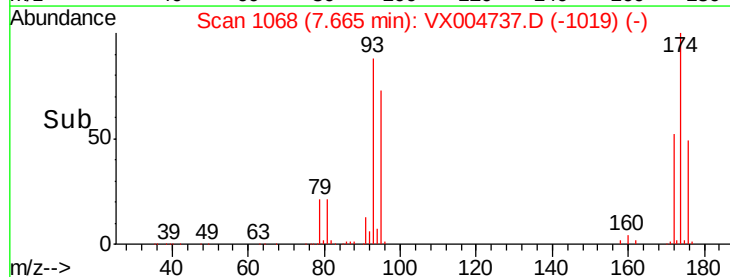
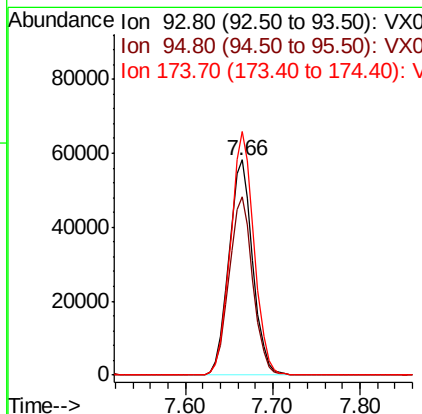
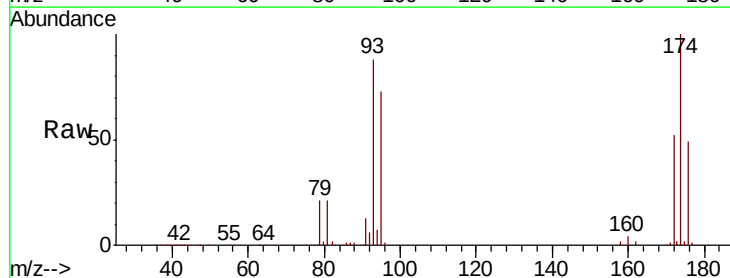
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

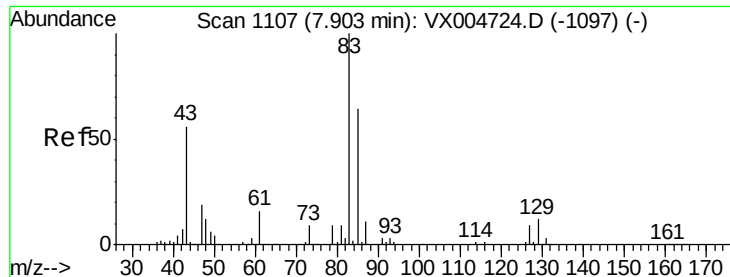
Tot Ion: 63 Resp: 169631
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.3 36.5



#46
 Dibromomethane
 Concen: 52.199 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Tgt Ion: 93 Resp: 109773
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.5 98.3
 174 112.7 94.2 141.4





#47

Bromodichloromethane

Concen: 53.103 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

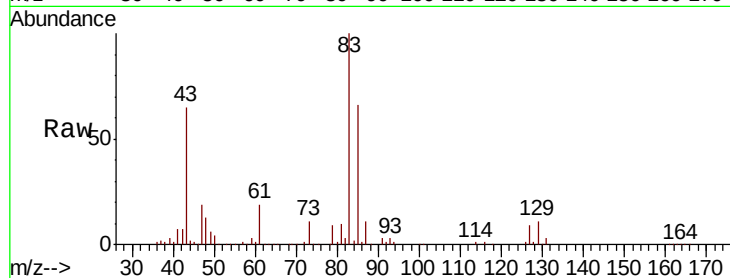
Tot Ion: 83 Resp: 209080

Ion Ratio Lower Upper

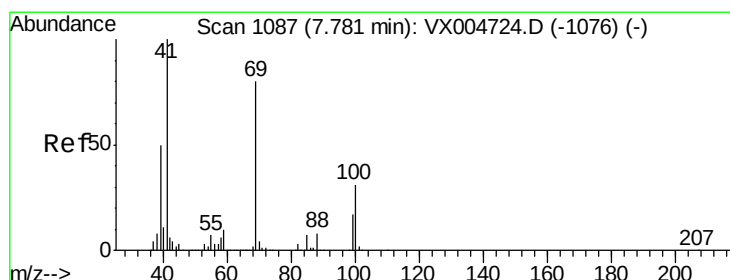
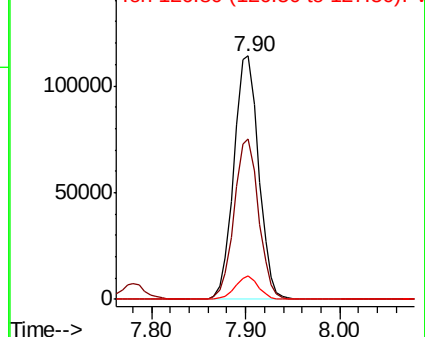
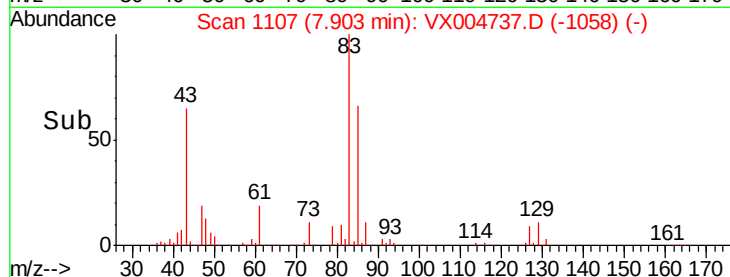
83 100

85 65.6 50.9 76.3

127 9.4 7.3 10.9



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: 58.240 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

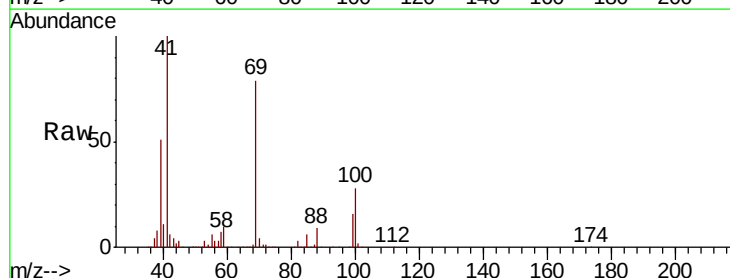
Tgt Ion: 41 Resp: 220738

Ion Ratio Lower Upper

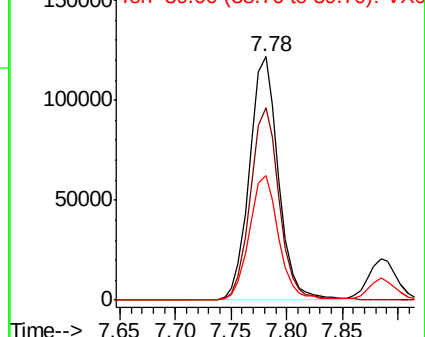
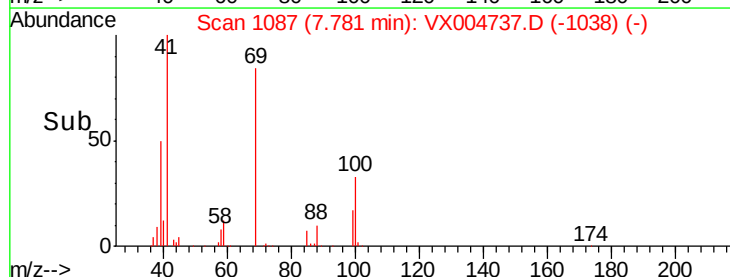
41 100

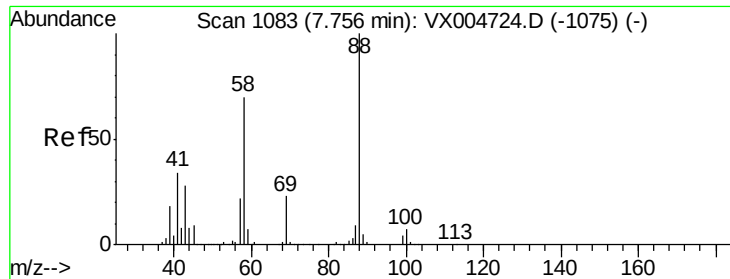
69 79.4 70.2 105.4

39 51.5 42.7 64.1



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

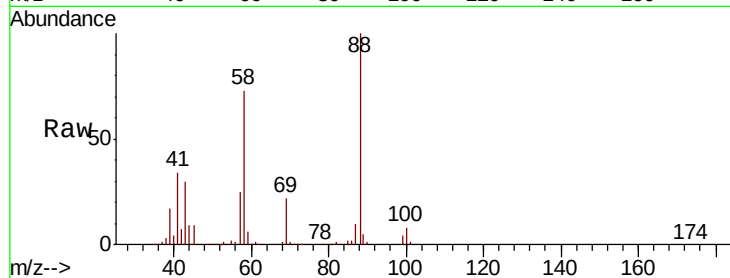




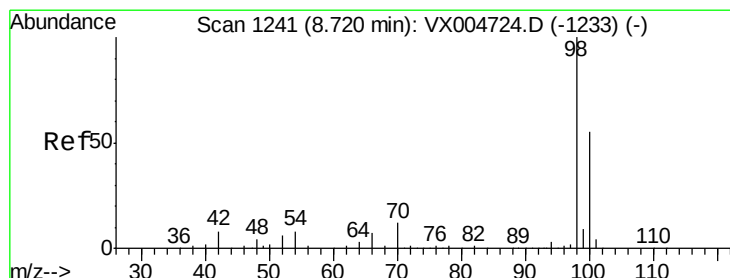
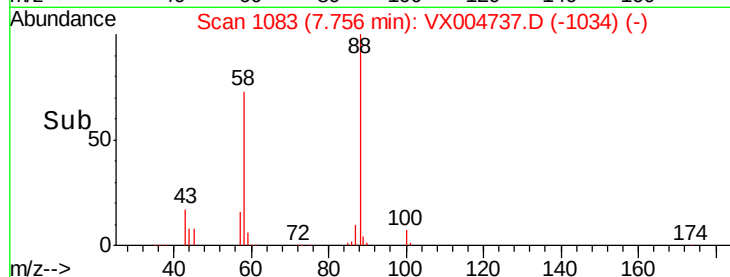
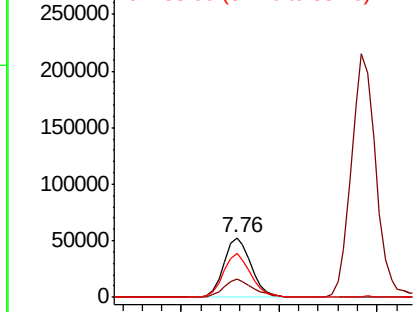
#49
1,4-Dioxane
Concen: 1091.823 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 102808
Ion Ratio Lower Upper
88 100
43 32.4 24.7 37.1
58 73.1 55.3 82.9

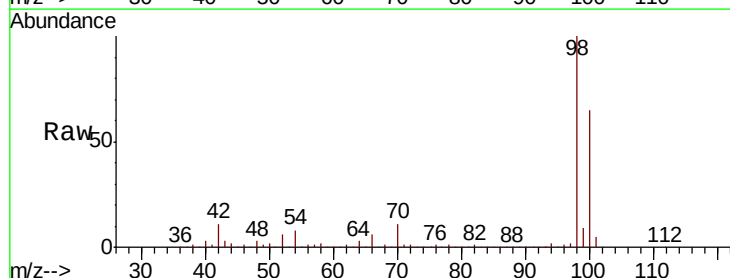


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

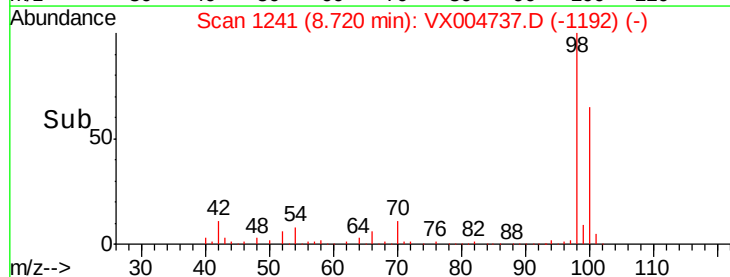
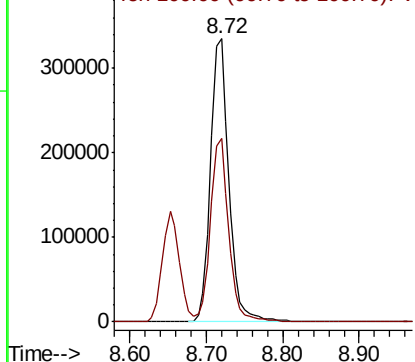


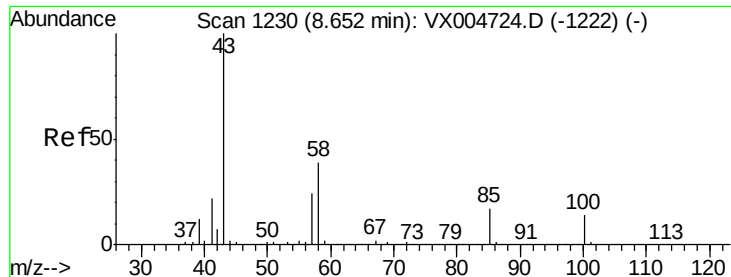
#50
Toluene-d8
Concen: 52.500 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Tgt Ion: 98 Resp: 557557
Ion Ratio Lower Upper
98 100
100 65.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

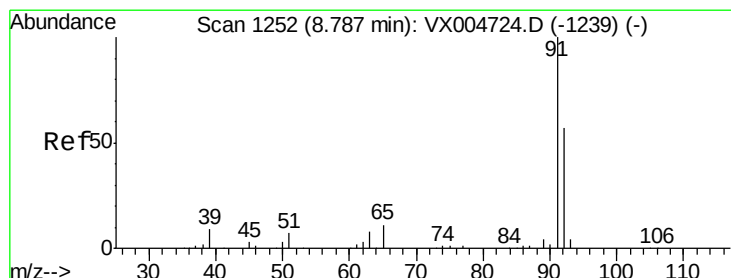
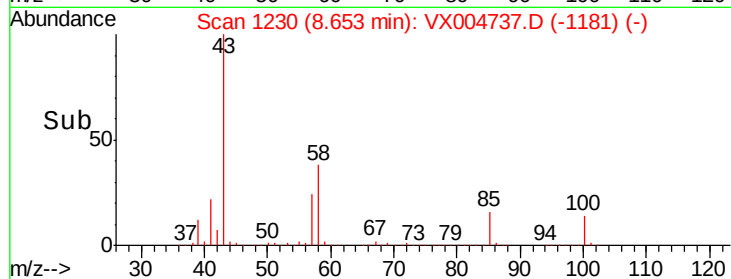
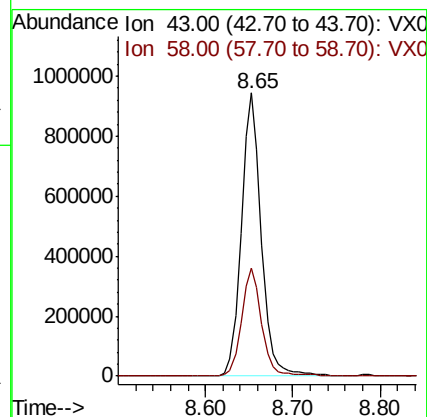
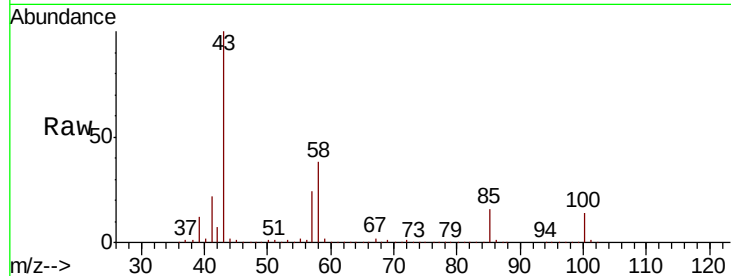




#51
4-Methyl-2-Pentanone
Concen: 285.869 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

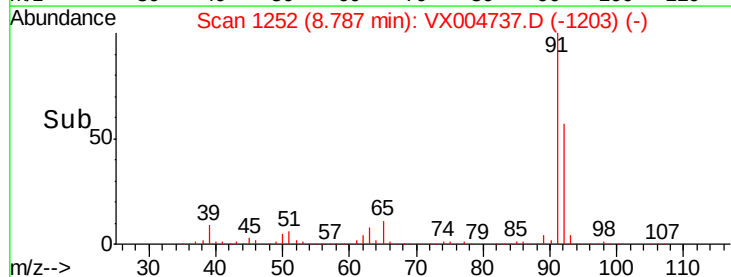
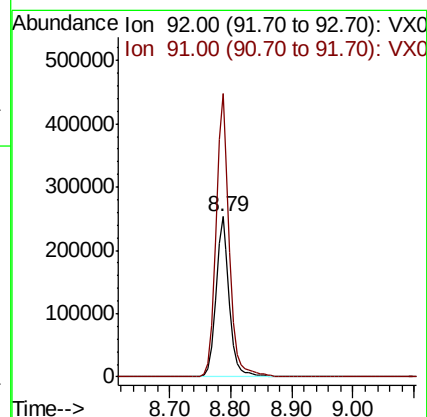
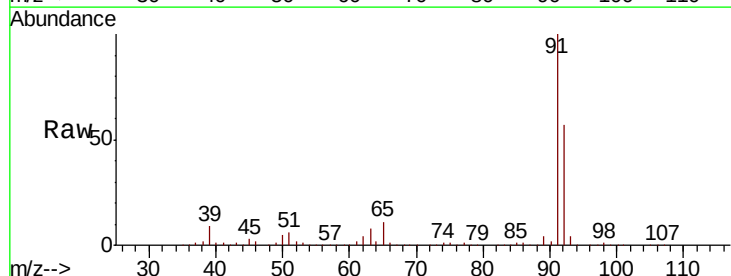
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

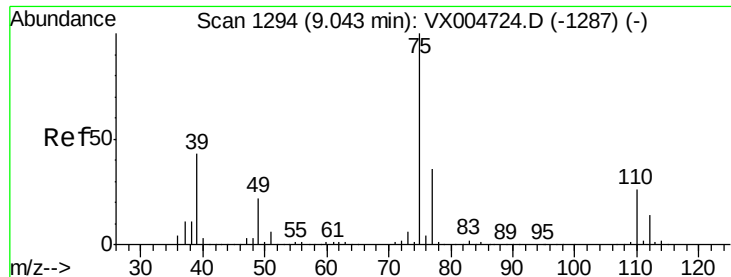
Tot Ion: 43 Resp: 1503045
Ion Ratio Lower Upper
43 100
58 38.5 33.1 49.7



#52
Toluene
Concen: 52.778 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Tgt Ion: 92 Resp: 395716
Ion Ratio Lower Upper
92 100
91 175.3 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 53.733 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

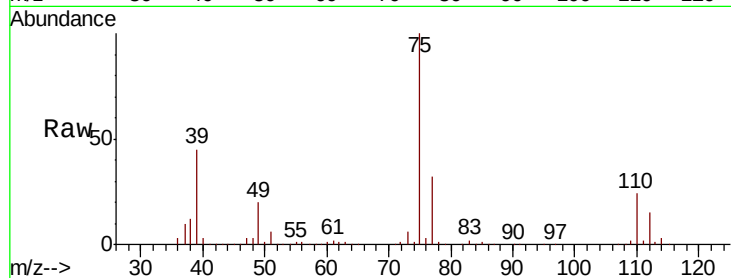
VSTDCCC050EC

Tot Ion: 75 Resp: 239074

Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

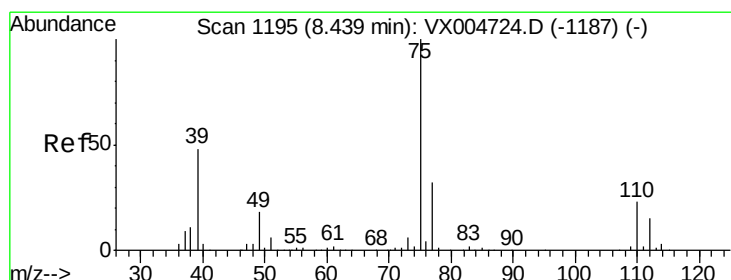
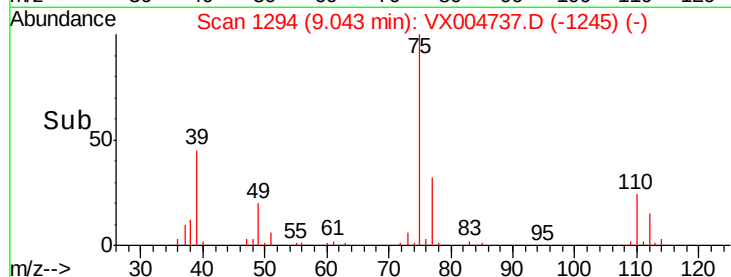
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.884 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

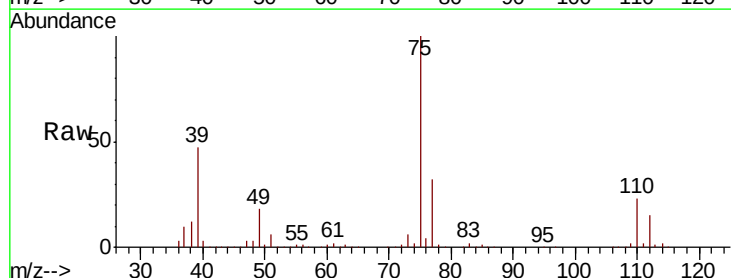
Tgt Ion: 75 Resp: 255776

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2

39 47.1 36.4 54.6



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

8.44

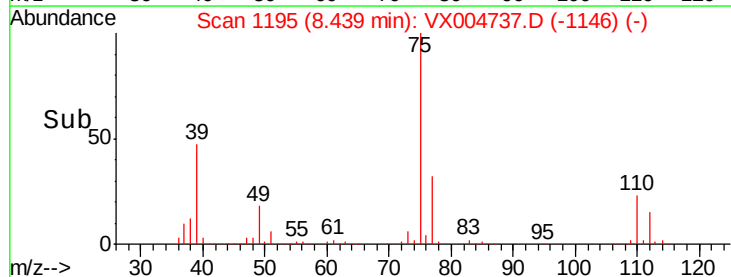
150000

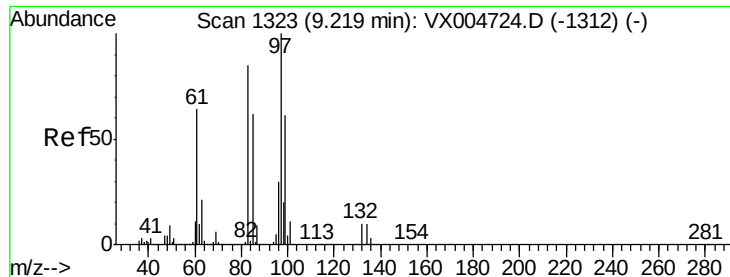
100000

50000

0

Time-->

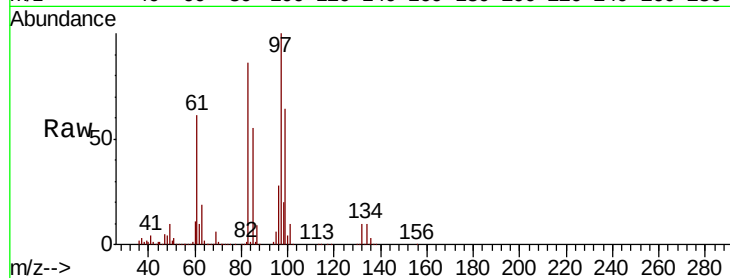




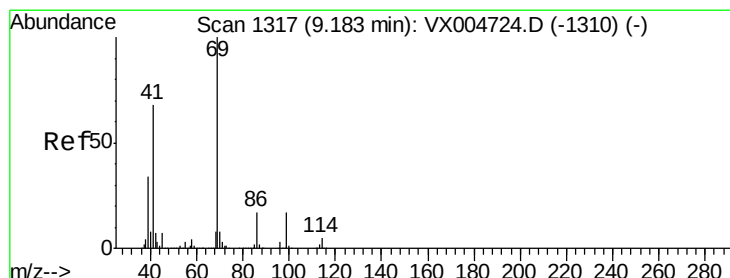
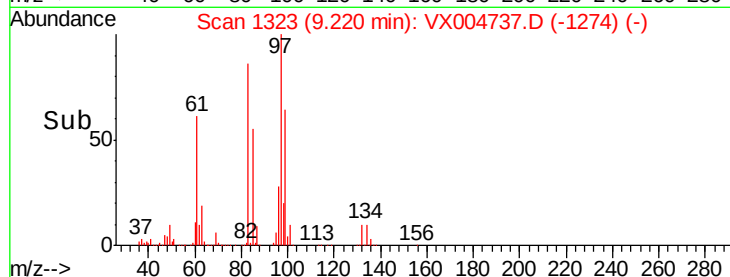
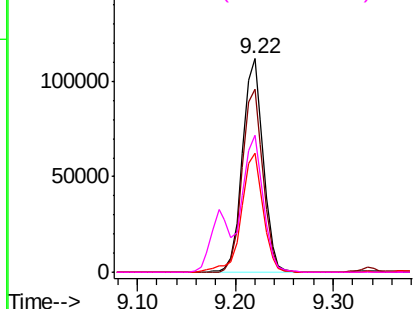
#55
 1,1,2-Trichloroethane
 Concen: 50.109 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	164572
Ion	Ratio	Lower	Upper
97	100		
83	85.6	66.4	99.6
85	55.5	43.3	64.9
99	64.0	49.0	73.4

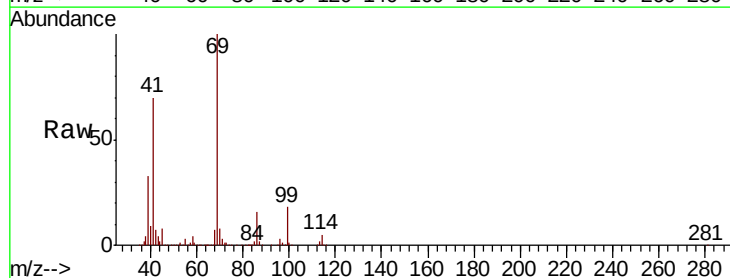


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

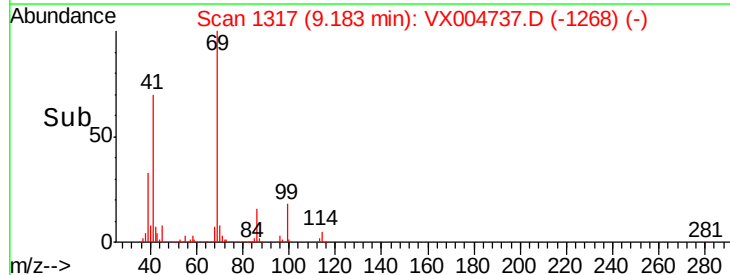
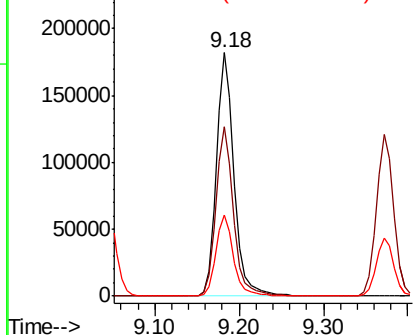


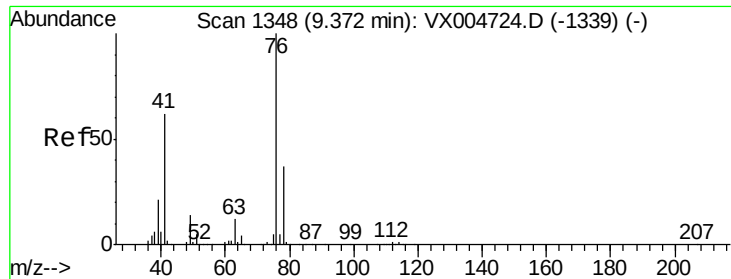
#56
 Ethyl methacrylate
 Concen: 49.346 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Tgt Ion:	69	Resp:	262778
Ion	Ratio	Lower	Upper
69	100		
41	69.4	51.0	76.4
39	33.6	26.1	39.1



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.352 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

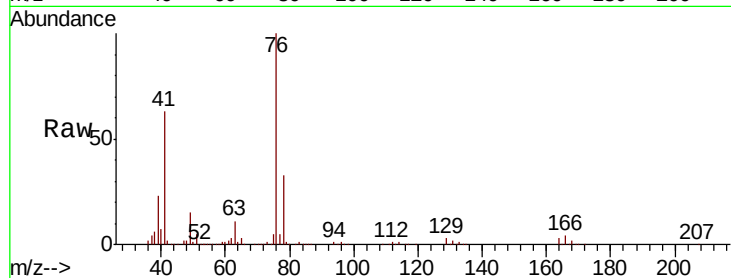
VSTDCCC050EC

Tot Ion: 76 Resp: 275226

Ion Ratio Lower Upper

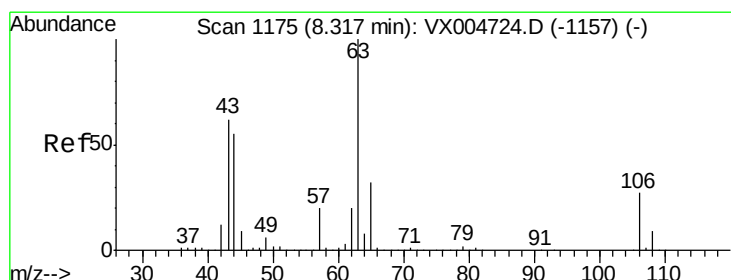
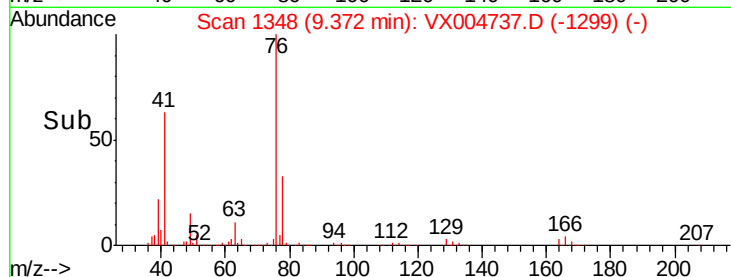
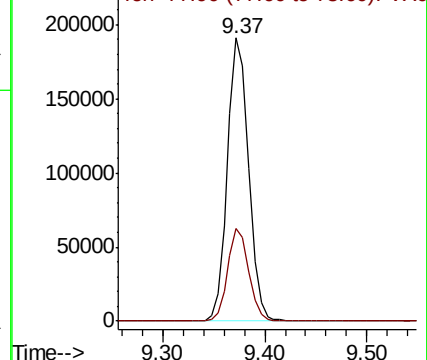
76 100

78 32.7 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 264.105 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004737.D

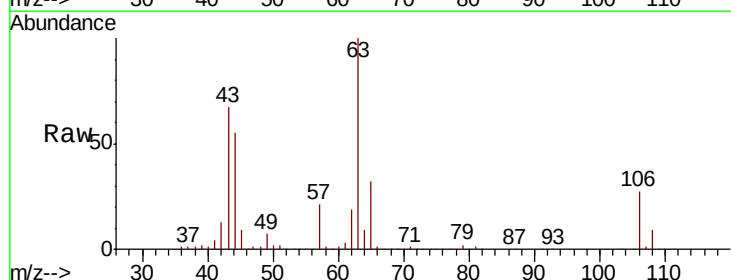
Acq: 26 Sep 2018 20:09

Tgt Ion: 63 Resp: 749791

Ion Ratio Lower Upper

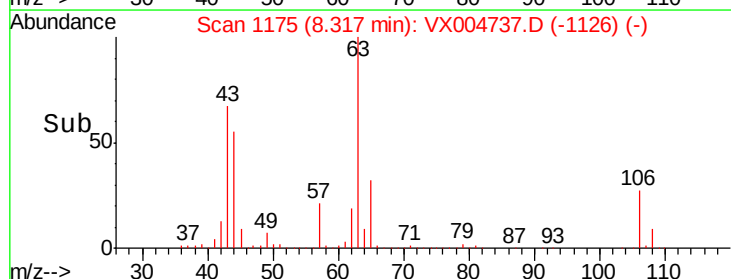
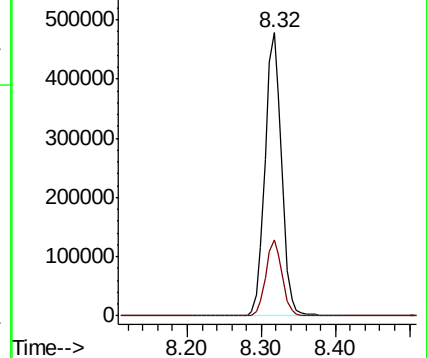
63 100

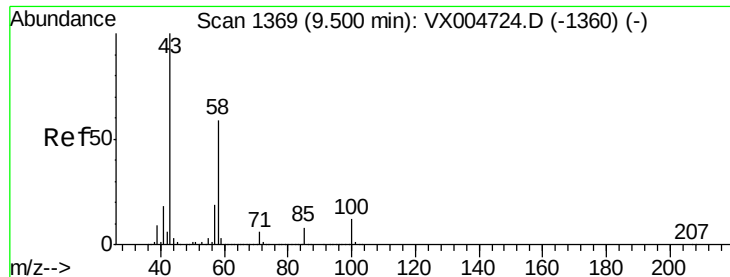
106 26.4 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

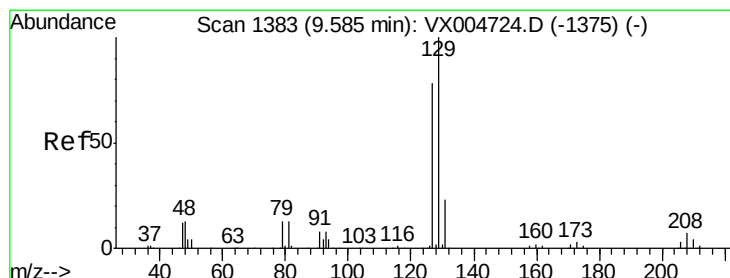
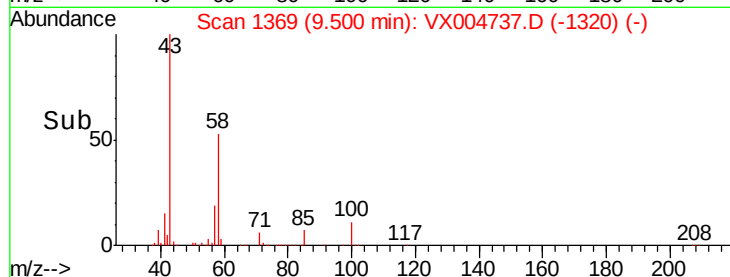
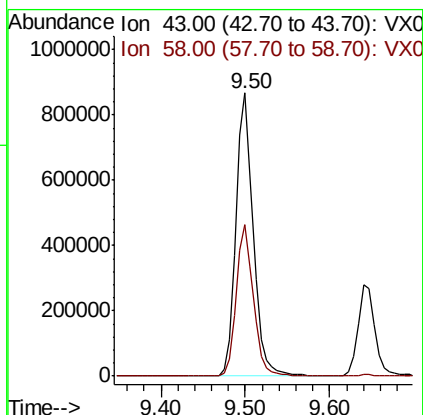
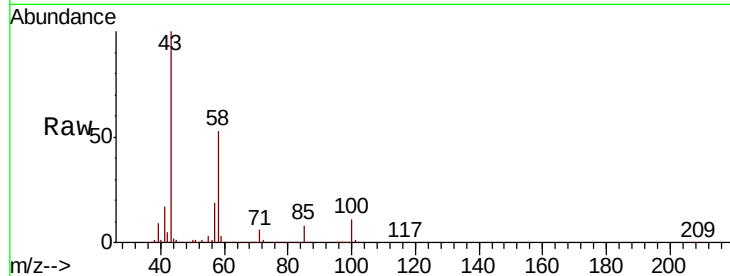




#59
2-Hexanone
Concen: 273.112 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

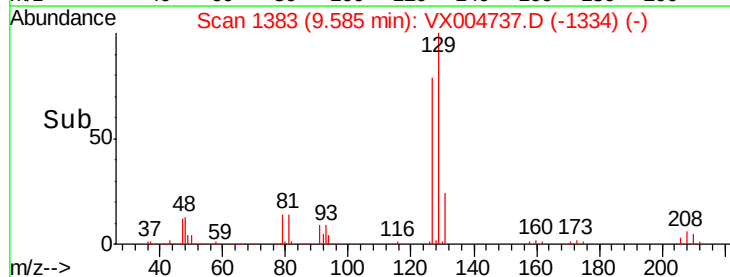
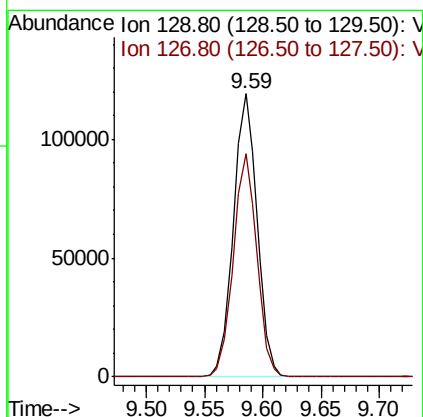
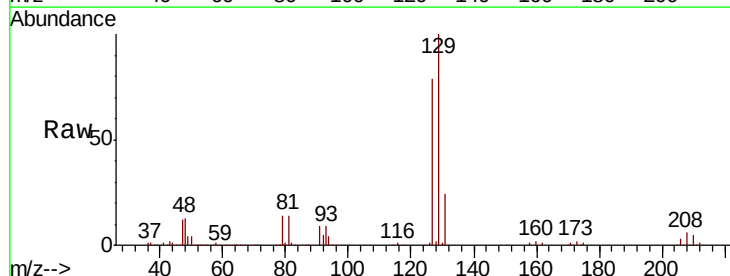
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

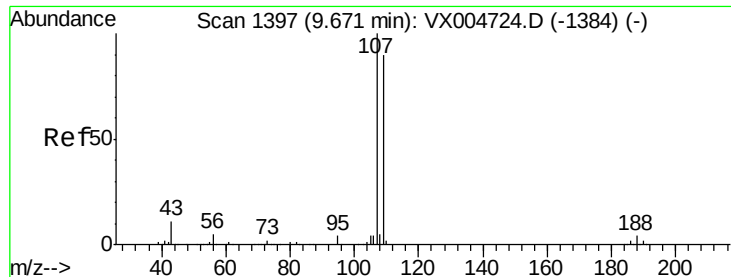
Tot Ion: 43 Resp: 1196622
Ion Ratio Lower Upper
43 100
58 53.1 29.0 87.0



#60
Dibromochloromethane
Concen: 51.658 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Tgt Ion: 129 Resp: 169670
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.495 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

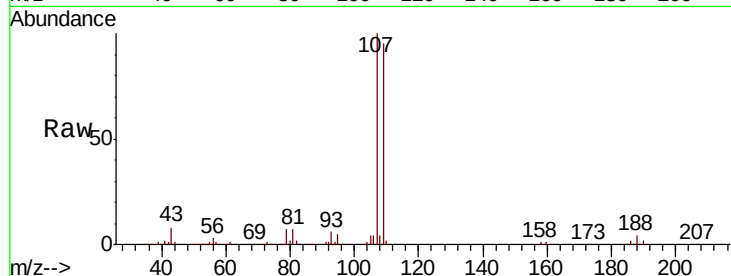
VSTDCCC050EC

Tot Ion:107 Resp: 170569

Ion Ratio Lower Upper

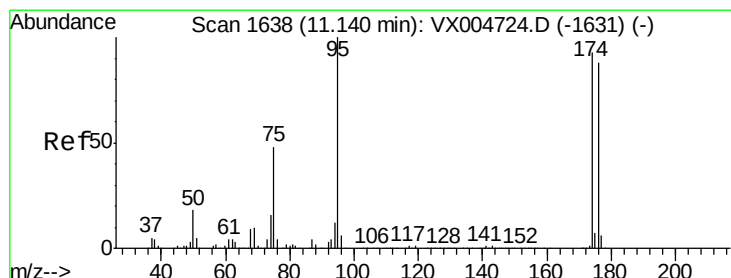
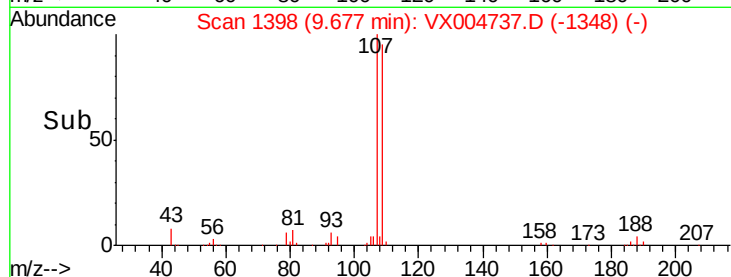
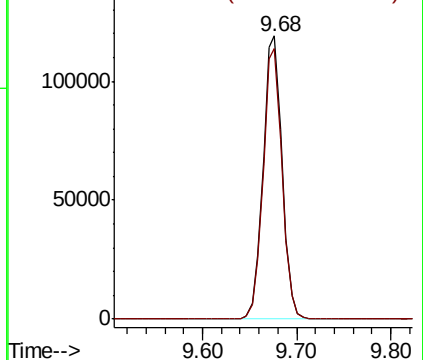
107 100

109 94.7 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.841 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

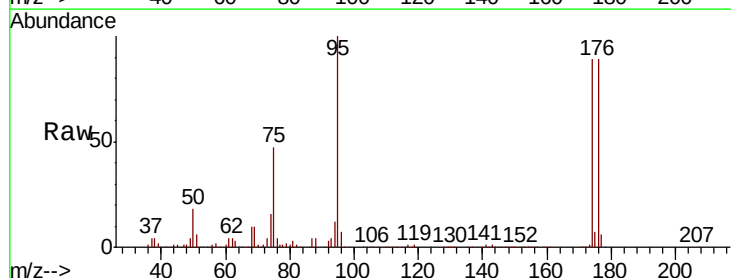
Tgt Ion: 95 Resp: 205994

Ion Ratio Lower Upper

95 100

174 89.9 0.0 185.2

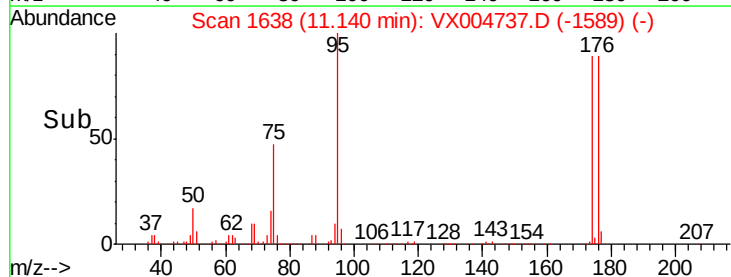
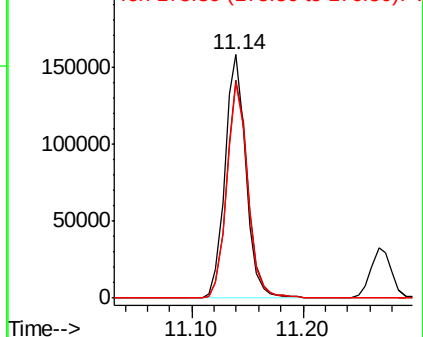
176 87.9 0.0 178.6

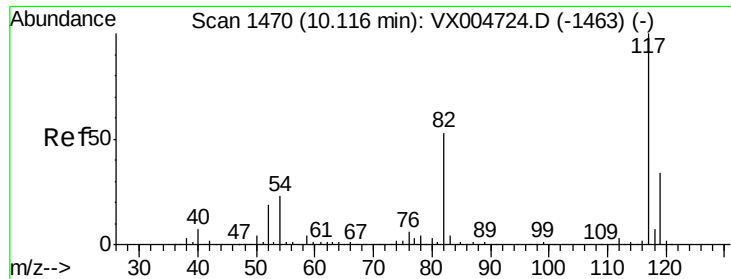


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

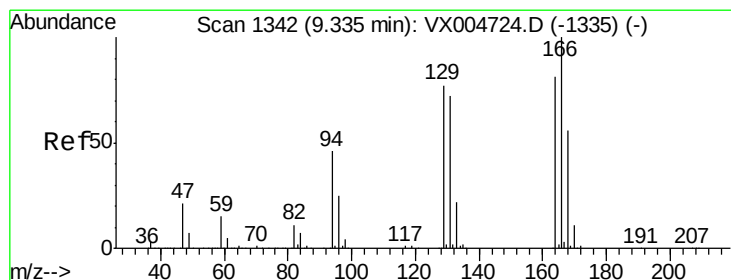
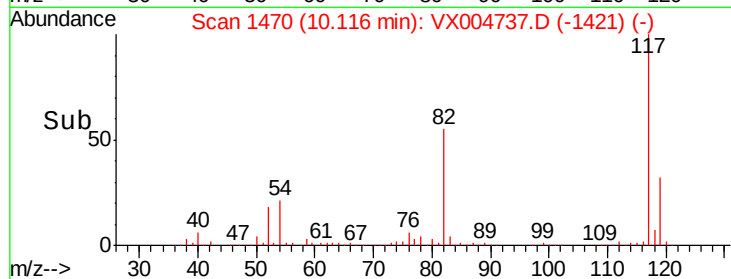
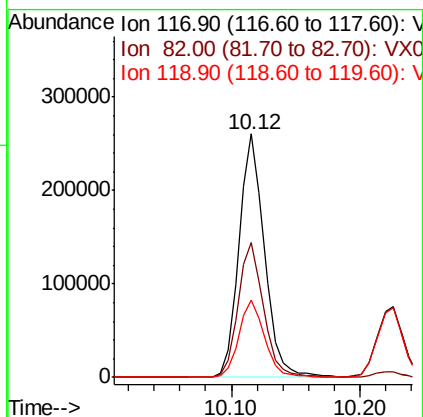
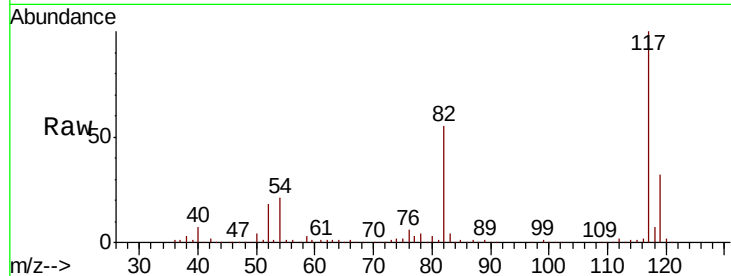




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

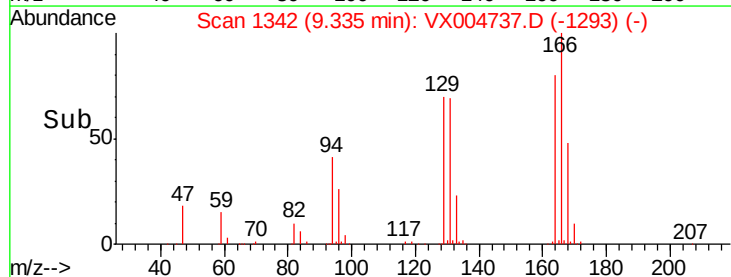
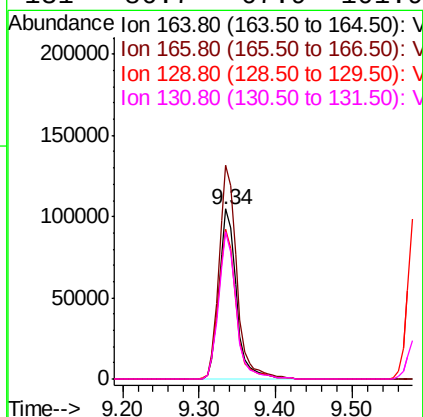
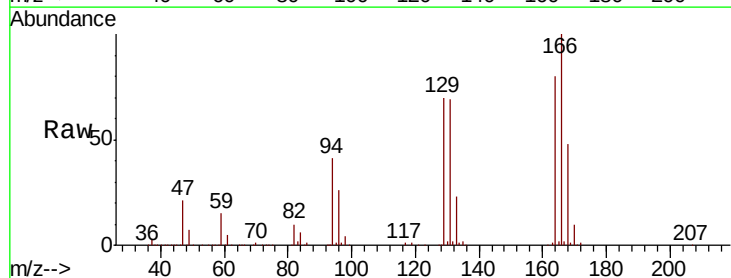
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

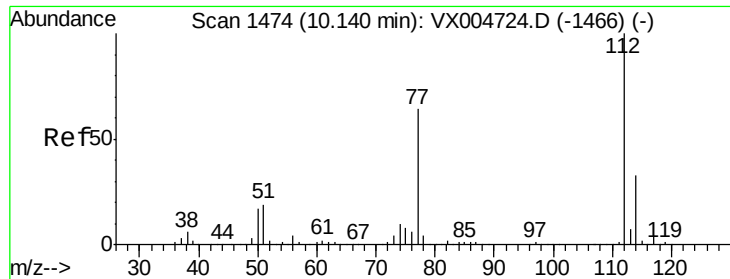
Tot Ion:117 Resp: 356273
Ion Ratio Lower Upper
117 100
82 55.3 47.8 71.6
119 31.6 29.3 43.9



#64
Tetrachloroethene
Concen: 47.228 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Tgt Ion:164 Resp: 165605
Ion Ratio Lower Upper
164 100
166 125.7 102.8 154.2
129 88.4 69.4 104.0
131 86.7 67.9 101.9





#65

Chlorobenzene

Concen: 48.168 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

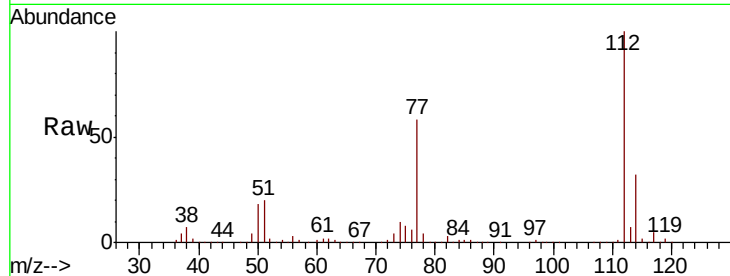
VSTDCCC050EC

Tot Ion:112 Resp: 440054

Ion Ratio Lower Upper

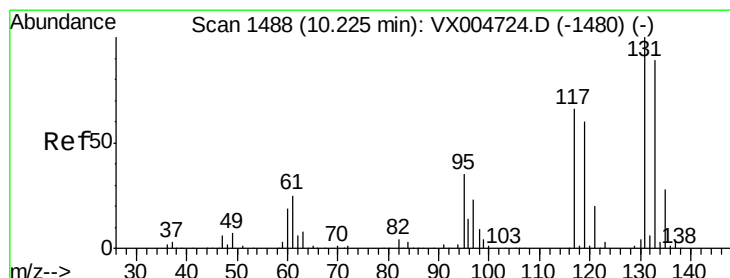
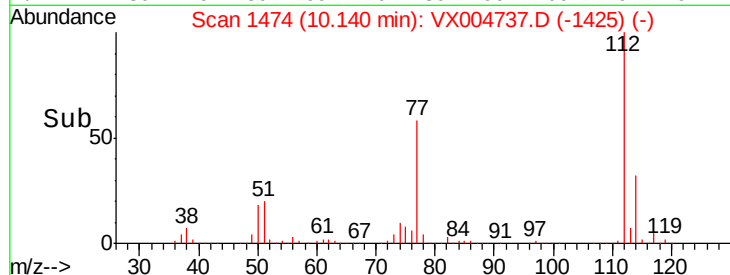
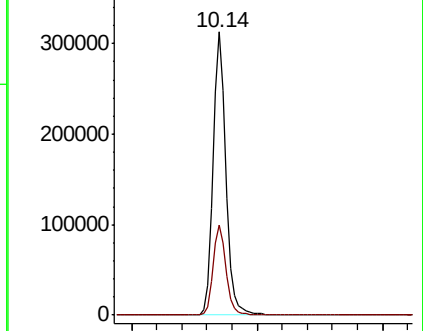
112 100

114 32.0 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.568 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

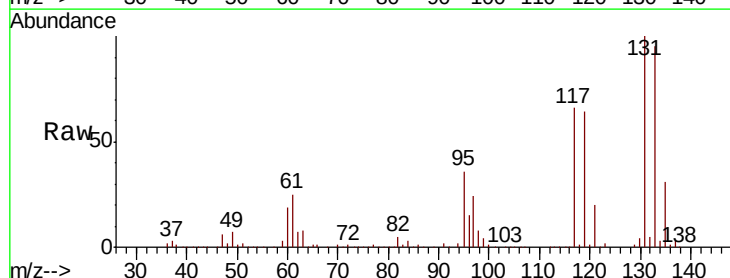
Tgt Ion:131 Resp: 159201

Ion Ratio Lower Upper

131 100

133 94.8 48.1 144.4

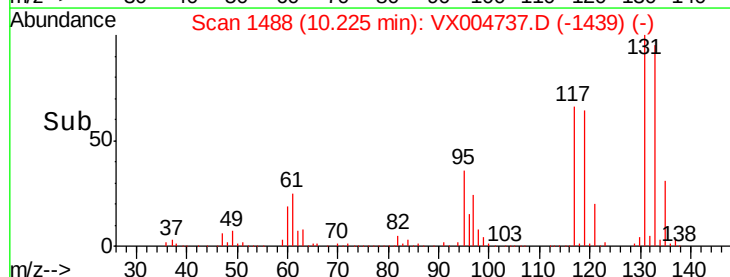
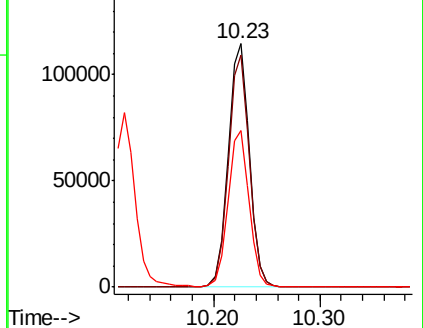
119 64.6 32.9 98.6

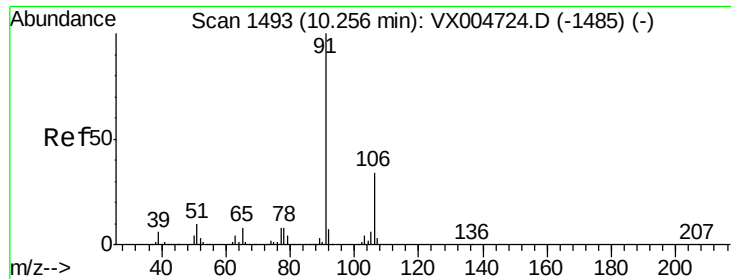


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

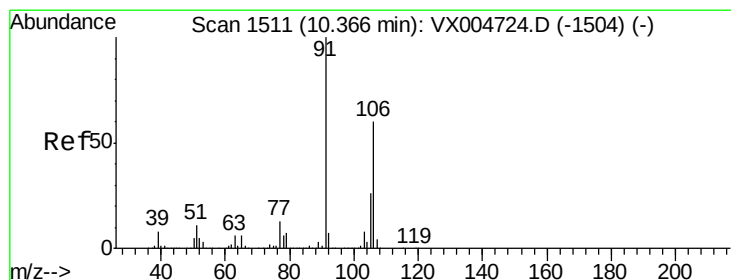
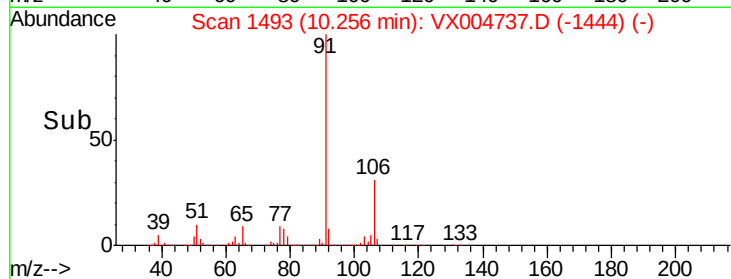
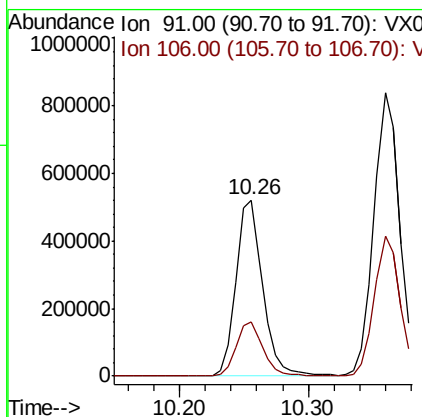
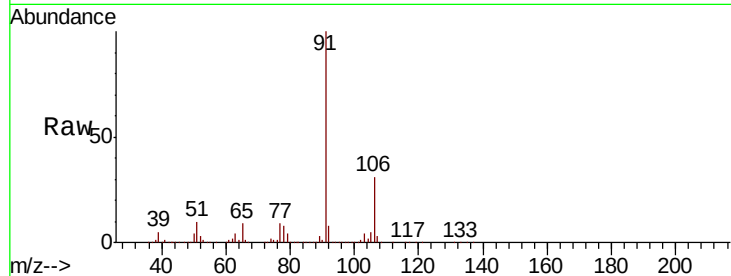




#67
Ethyl Benzene
Concen: 52.047 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

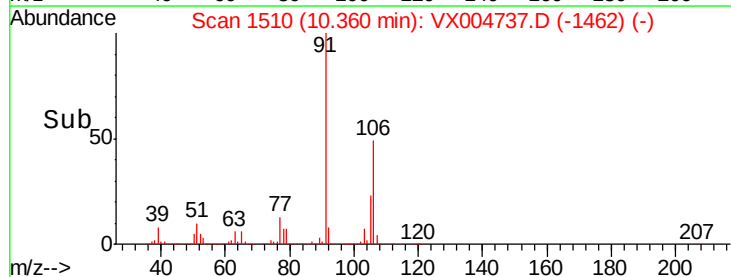
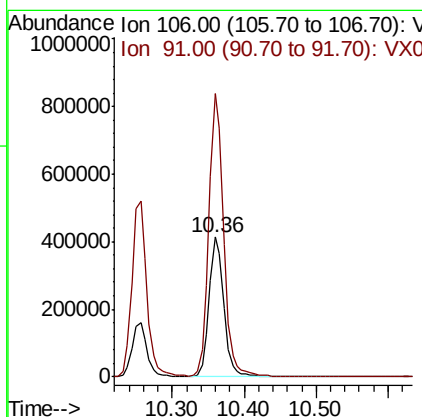
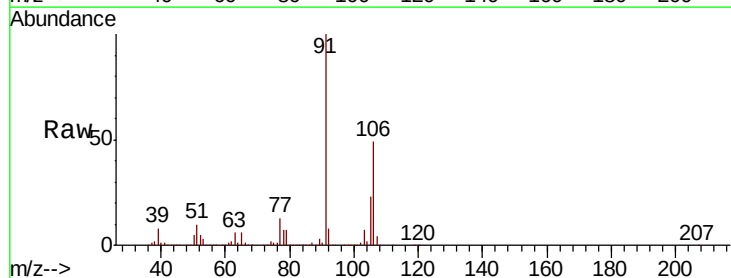
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

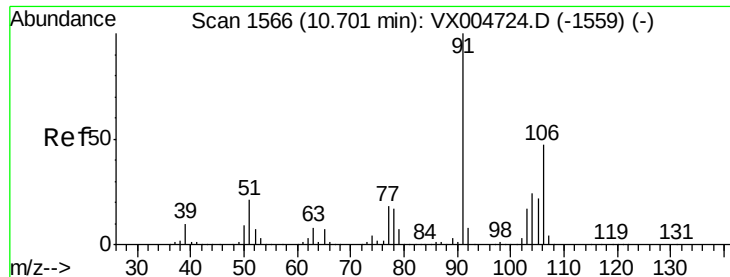
Tot Ion: 91 Resp: 754899
Ion Ratio Lower Upper
91 100
106 31.1 25.9 38.9



#68
m/p-Xylenes
Concen: 104.188 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Tgt Ion: 106 Resp: 590522
Ion Ratio Lower Upper
106 100
91 202.8 157.1 235.7

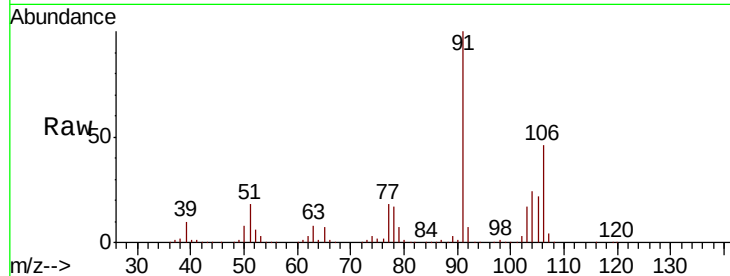




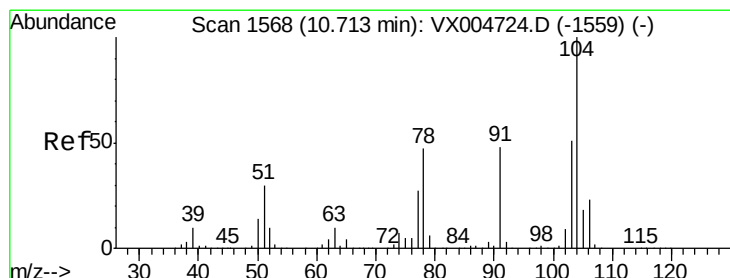
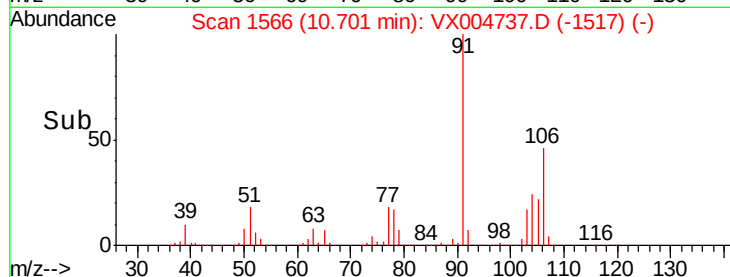
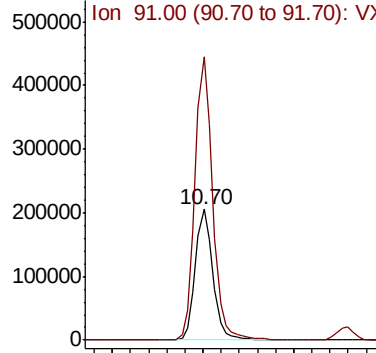
#69
o-Xylene
Concen: 53.964 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 280930
Ion Ratio Lower Upper
106 100
91 216.5 105.1 315.1

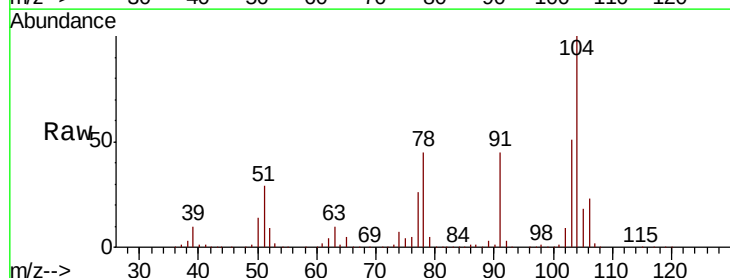


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

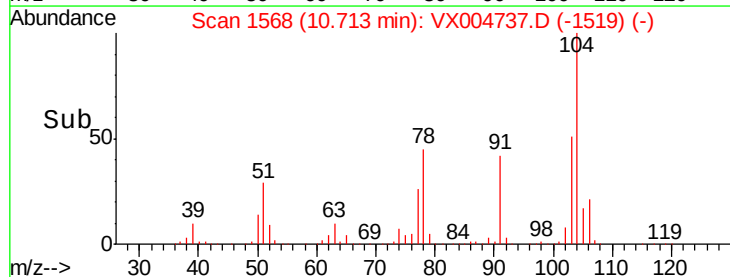
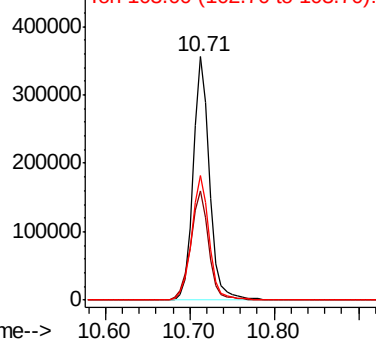


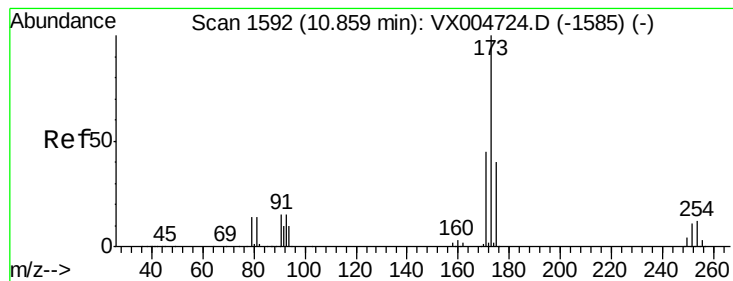
#70
Styrene
Concen: 49.234 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Tgt Ion:104 Resp: 479041
Ion Ratio Lower Upper
104 100
78 49.7 37.4 56.0
103 55.4 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.795 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

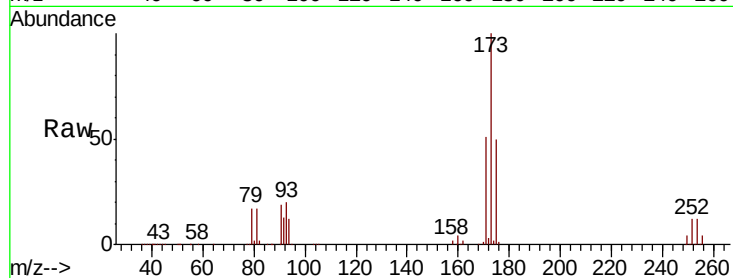
Tot Ion:173 Resp: 139669

Ion Ratio Lower Upper

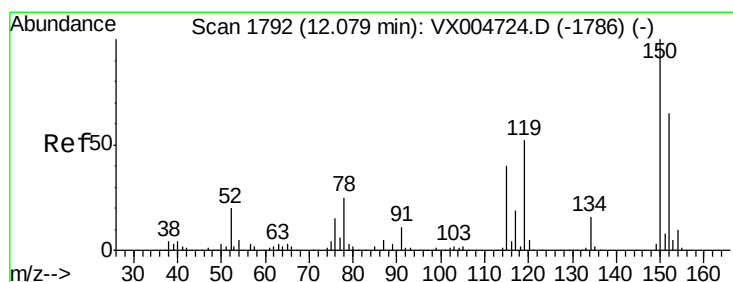
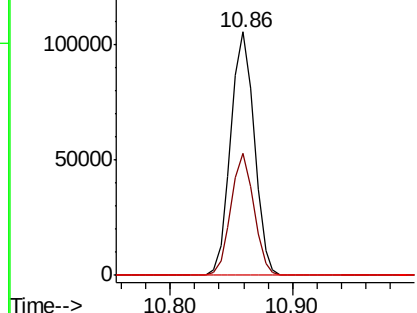
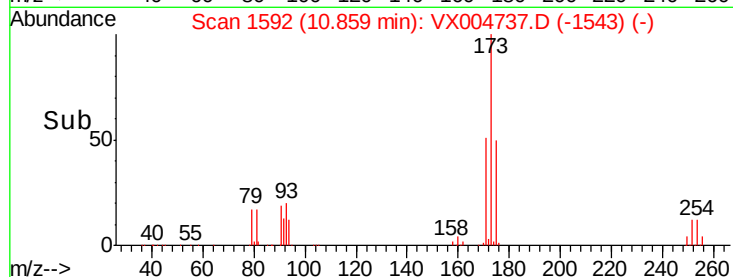
173 100

175 48.8 24.1 72.3

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

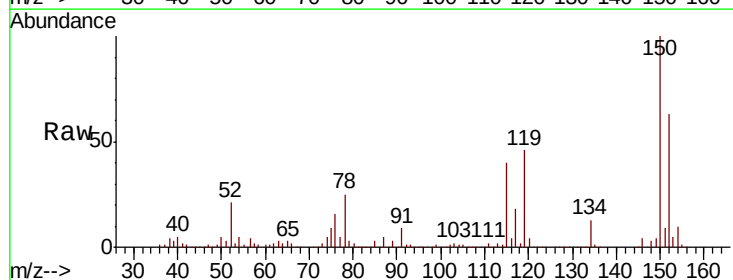
Tgt Ion:152 Resp: 216389

Ion Ratio Lower Upper

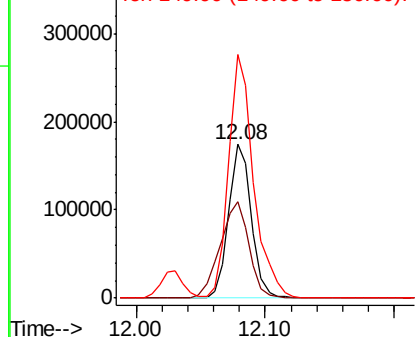
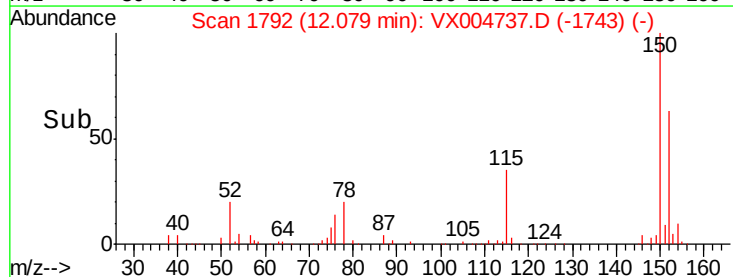
152 100

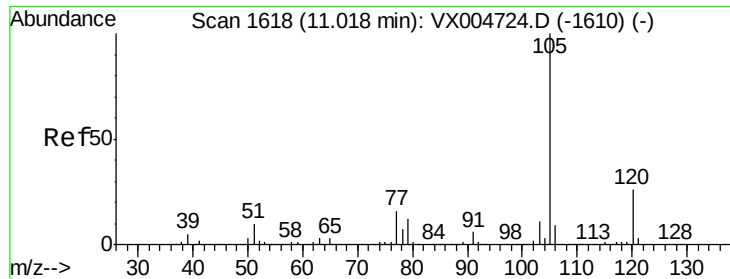
115 79.3 39.0 117.0

150 174.5 0.0 351.0



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





#73

Isopropylbenzene

Concen: 55.272 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

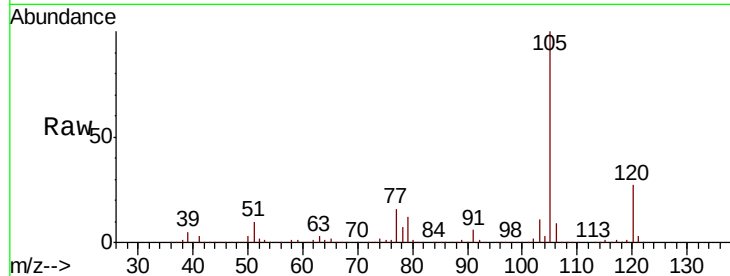
VSTDCCC050EC

Tot Ion: 105 Resp: 753875

Ion Ratio Lower Upper

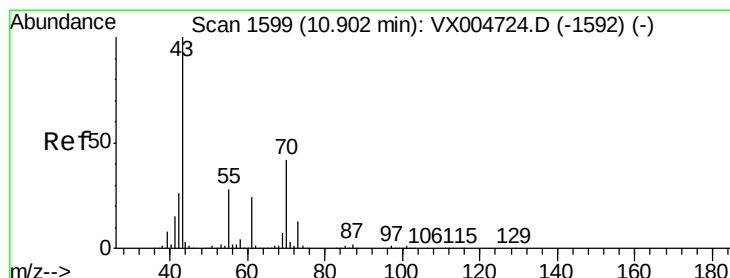
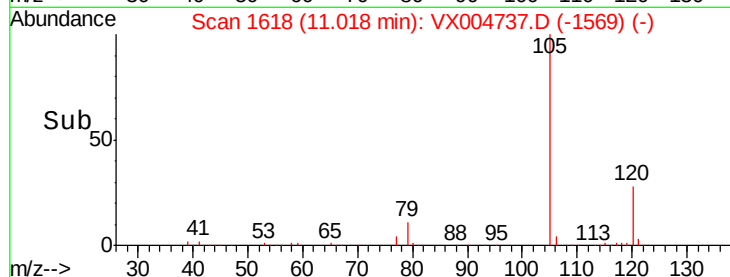
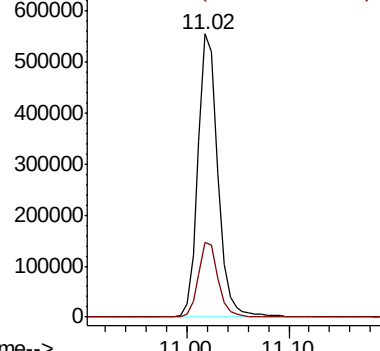
105 100

120 26.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.230 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Tgt Ion: 43 Resp: 376624

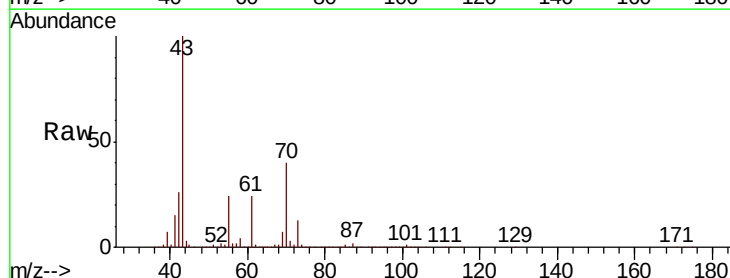
Ion Ratio Lower Upper

43 100

70 40.0 37.4 56.0

55 24.8 21.8 32.8

61 23.2 20.6 30.8

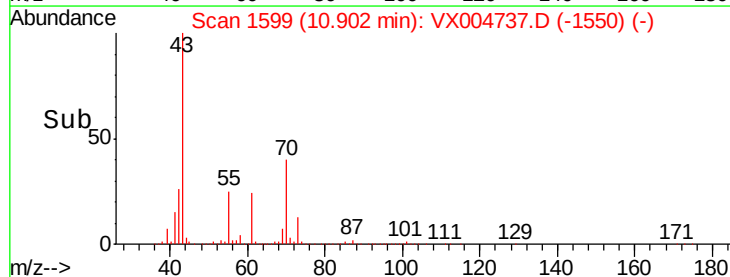
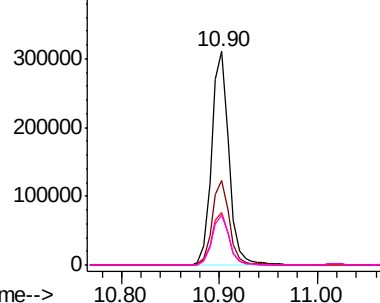


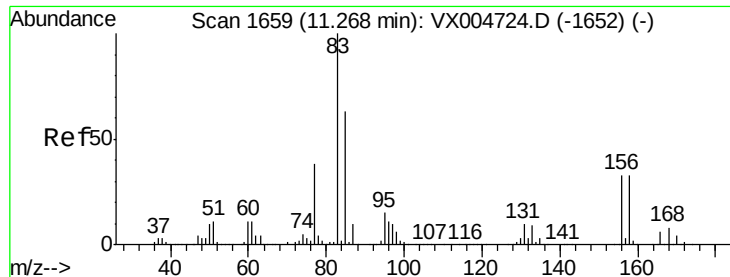
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.748 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

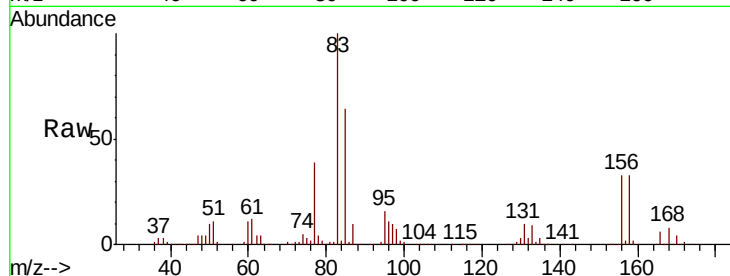
Tot Ion: 83 Resp: 270652

Ion Ratio Lower Upper

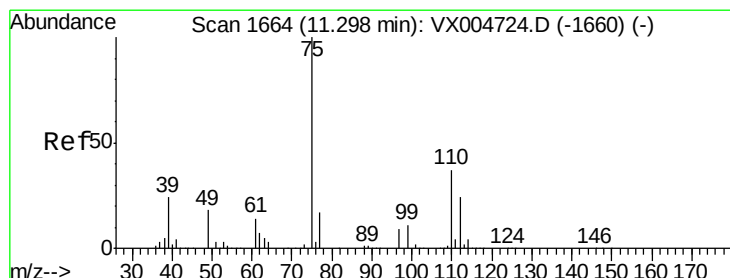
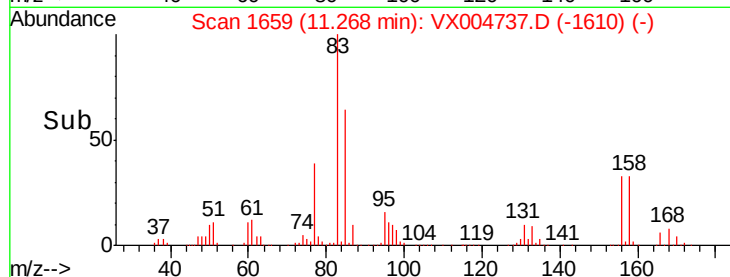
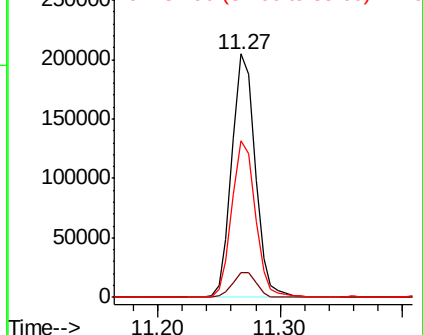
83 100

131 10.3 5.2 15.6

85 64.7 32.3 96.8



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: 65.158 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004737.D

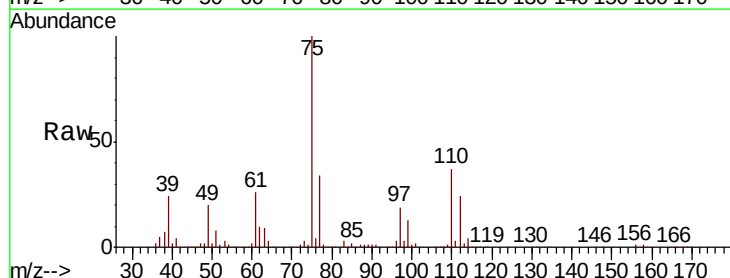
Acq: 26 Sep 2018 20:09

Tgt Ion: 75 Resp: 316022

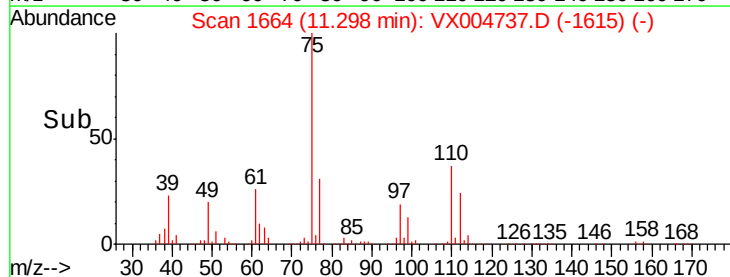
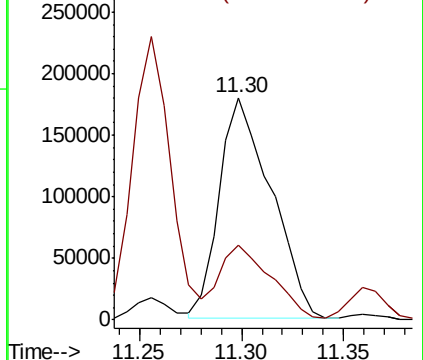
Ion Ratio Lower Upper

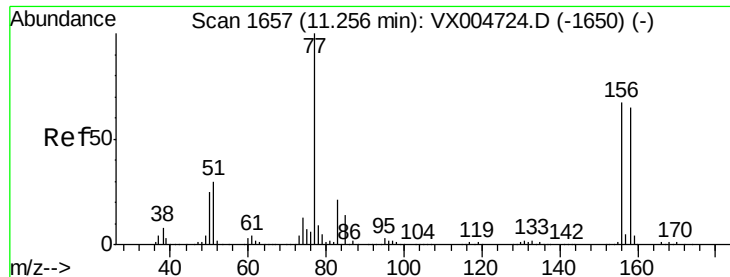
75 100

77 33.6 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.986 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

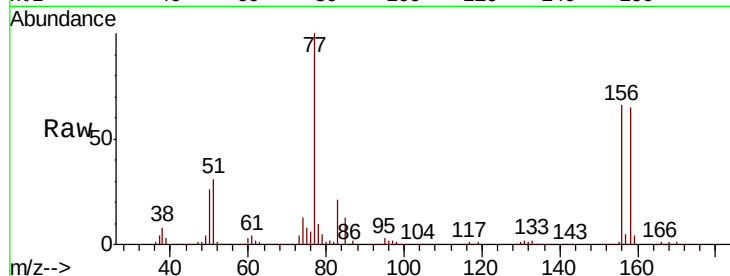
Tot Ion:156 Resp: 201988

Ion Ratio Lower Upper

156 100

77 148.9 71.5 214.3

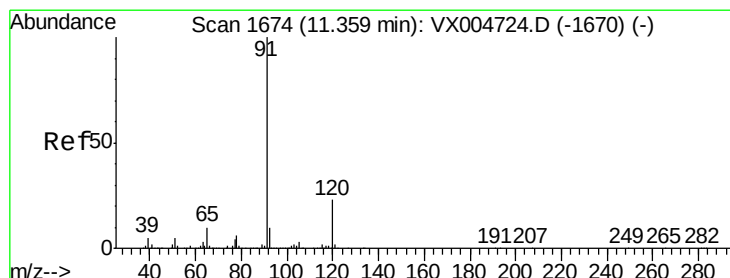
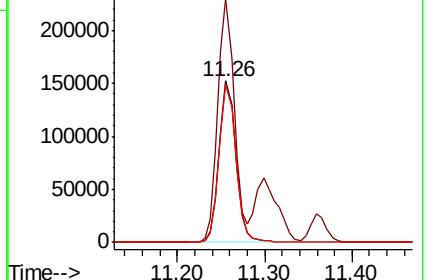
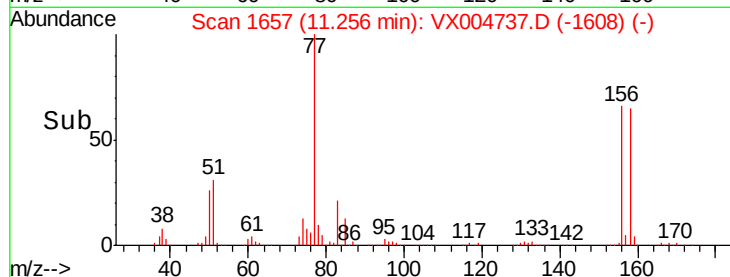
158 97.8 48.9 146.8



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: 55.486 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004737.D

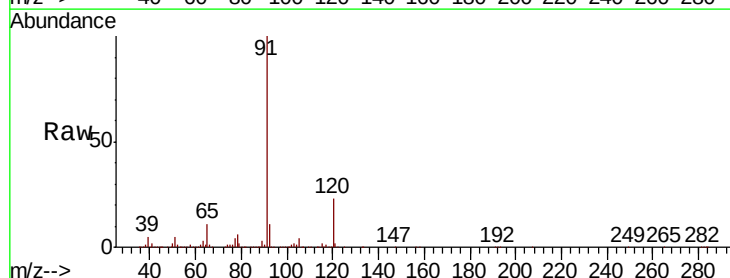
Acq: 26 Sep 2018 20:09

Tgt Ion: 91 Resp: 868328

Ion Ratio Lower Upper

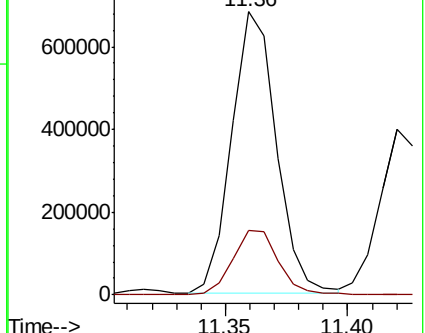
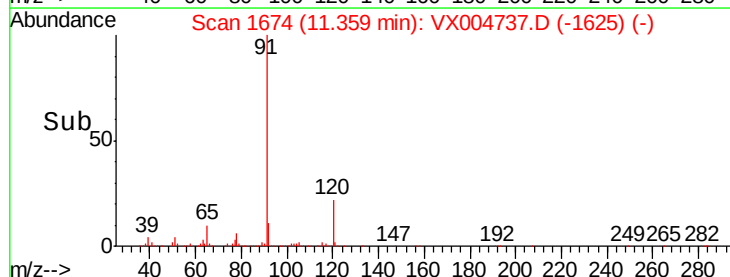
91 100

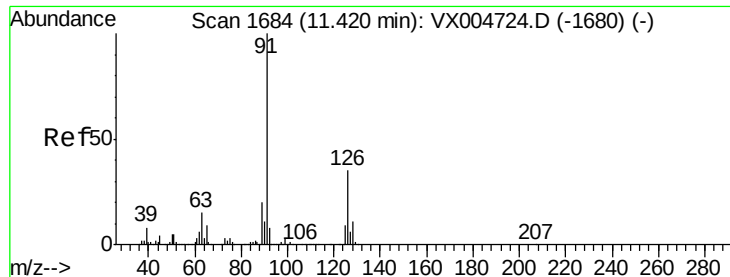
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.784 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

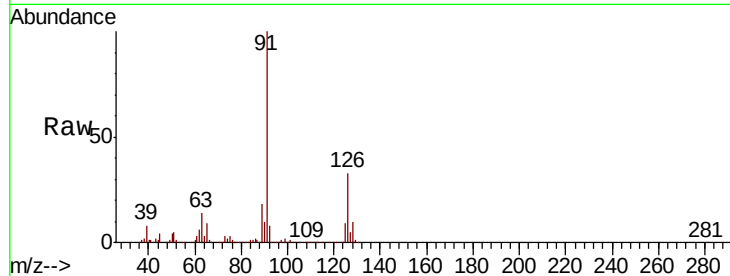
VSTDCCC050EC

Tot Ion: 91 Resp: 524640

Ion Ratio Lower Upper

91 100

126 34.5 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX004724.D (-1680) (-)

800000

600000

400000

200000

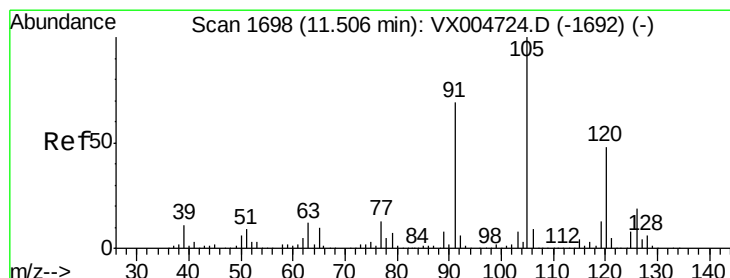
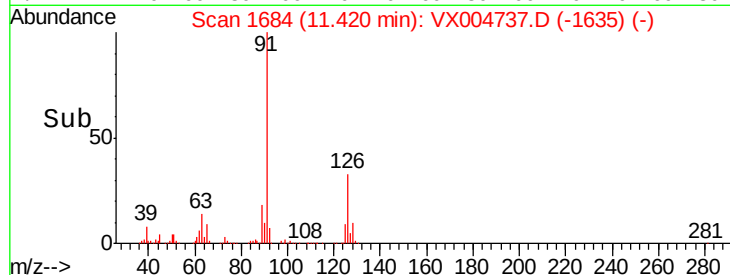
0

11.42

11.45

11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.545 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004737.D

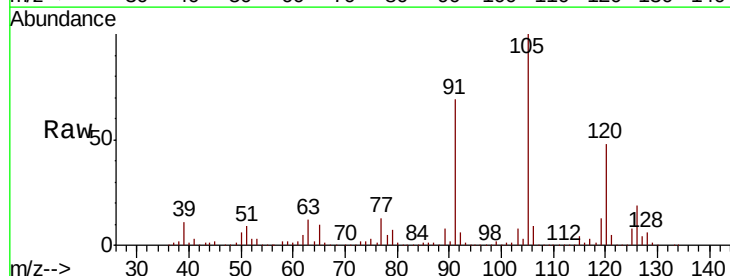
Acq: 26 Sep 2018 20:09

Tgt Ion: 105 Resp: 644281

Ion Ratio Lower Upper

105 100

120 48.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004724.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004724.D (-1692) (-)

600000

500000

400000

300000

200000

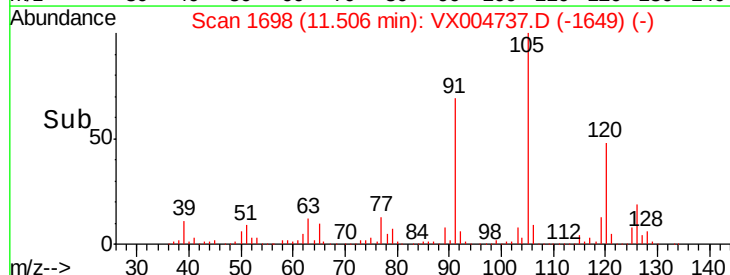
100000

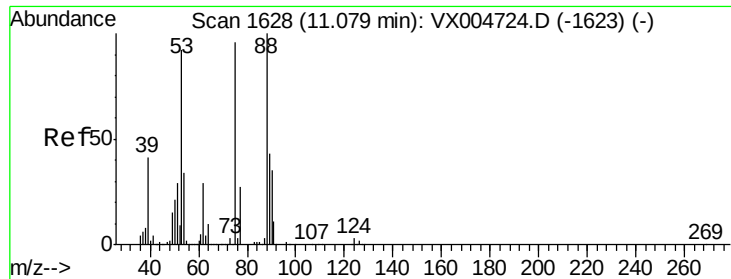
0

11.51

11.60

Time-->

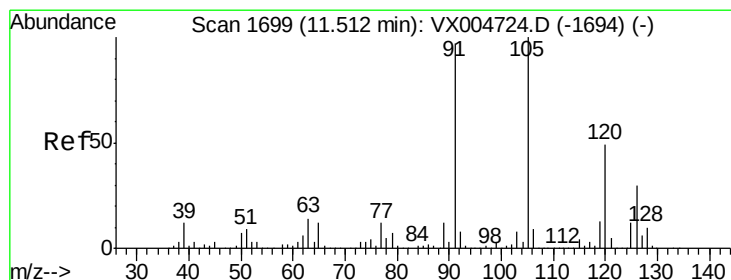
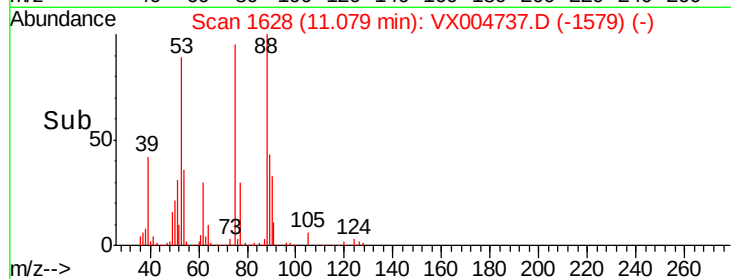
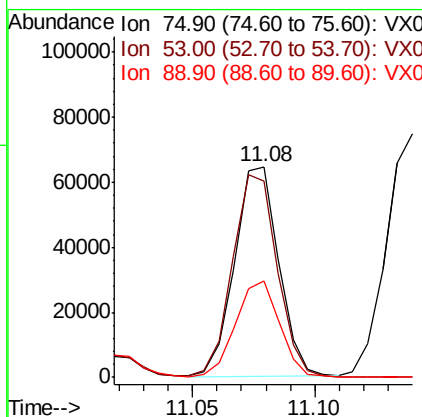
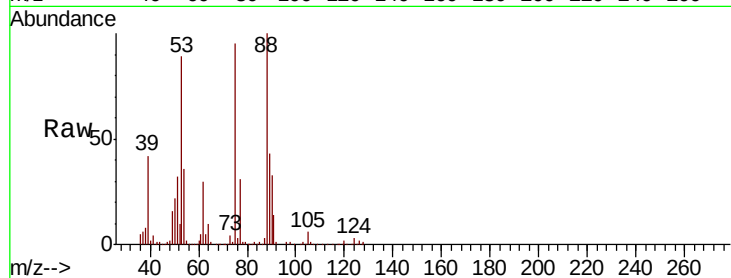




#81
trans-1,4-Dichloro-2-butene
Concen: 45.797 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

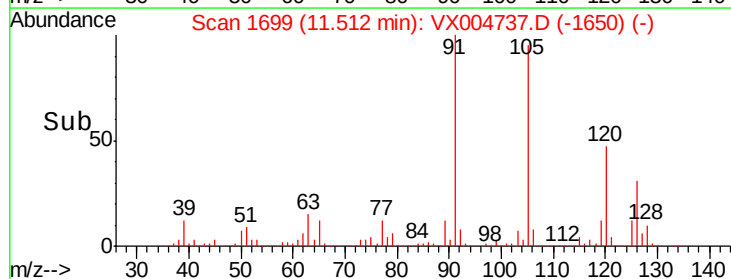
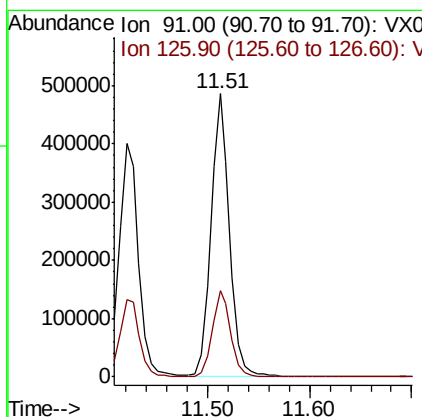
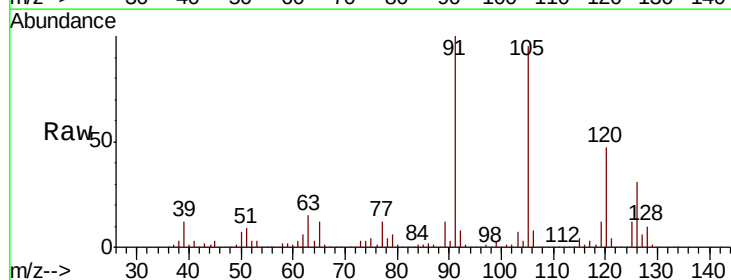
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

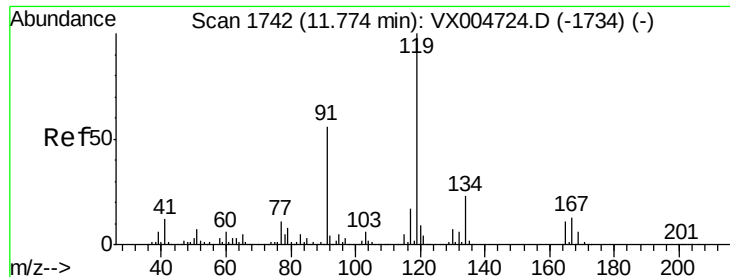
Tot Ion: 75 Resp: 81131
Ion Ratio Lower Upper
75 100
53 98.2 80.1 120.1
89 45.9 37.2 55.8



#82
4-Chlorotoluene
Concen: 53.767 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Tgt Ion: 91 Resp: 617329
Ion Ratio Lower Upper
91 100
126 30.5 15.5 46.5

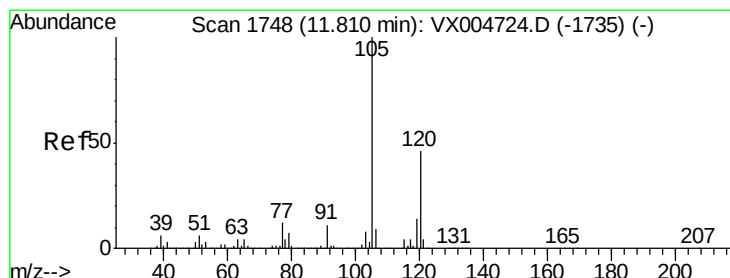
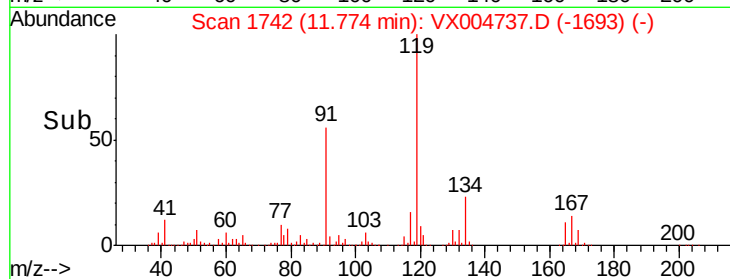
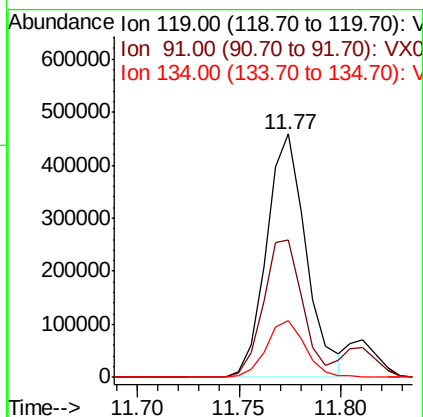
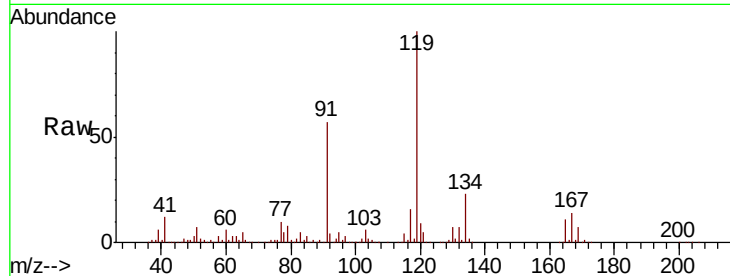




#83
 tert-Butylbenzene
 Concen: 55.318 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

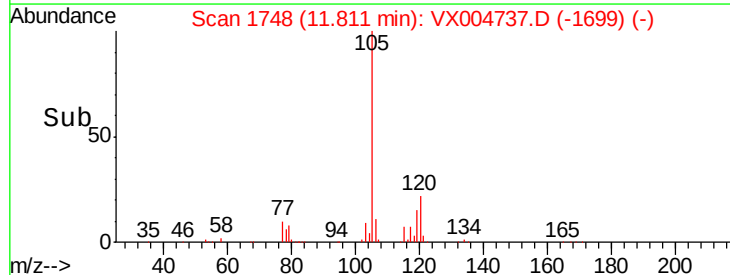
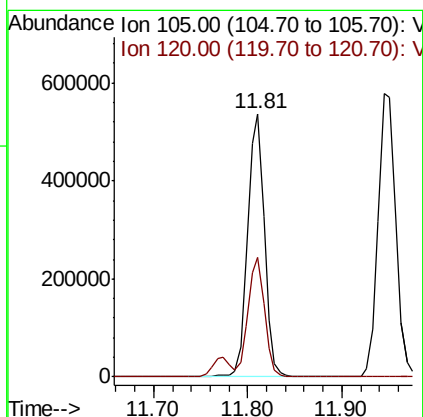
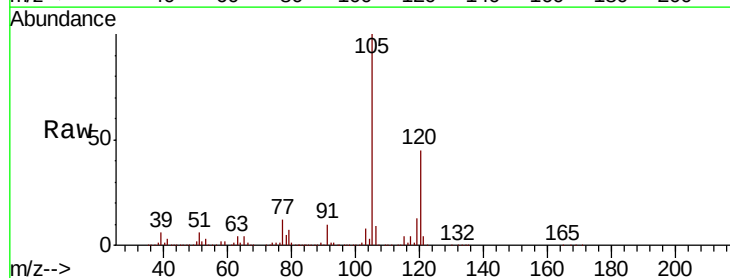
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

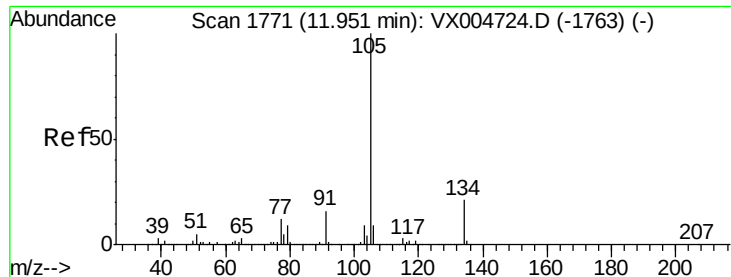
Tot Ion:119 Resp: 621197
 Ion Ratio Lower Upper
 119 100
 91 55.7 27.0 81.0
 134 22.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.599 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Tgt Ion:105 Resp: 665122
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.2 69.6





#85

sec-Butylbenzene

Concen: 55.278 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

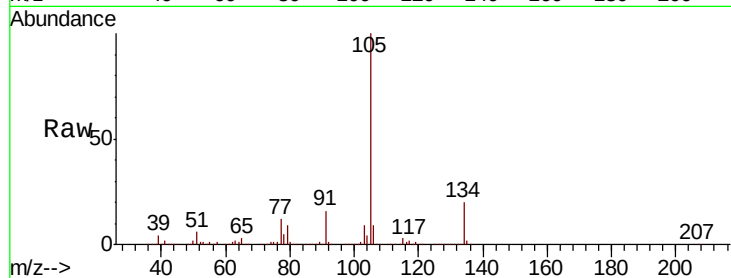
VSTDCCC050EC

Tot Ion:105 Resp: 756104

Ion Ratio Lower Upper

105 100

134 20.1 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

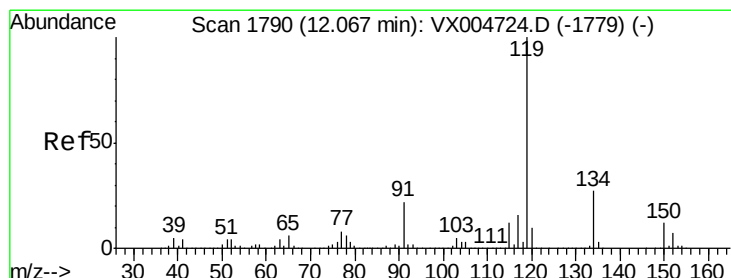
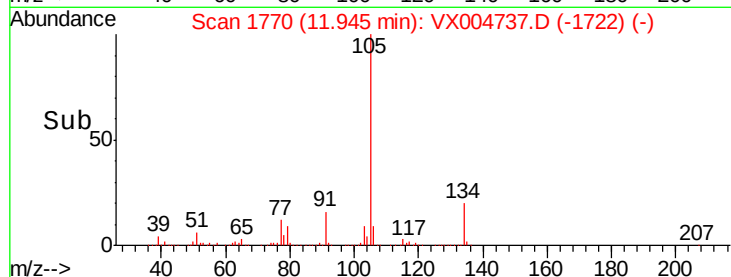
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 54.868 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

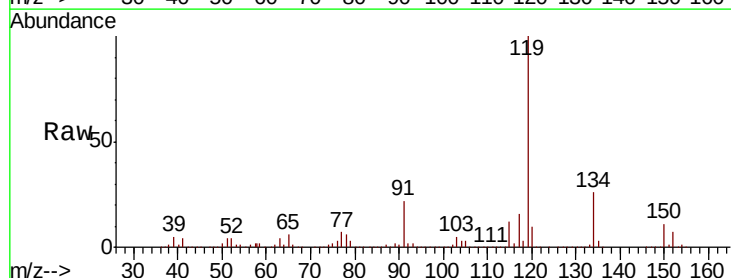
Tgt Ion:119 Resp: 679953

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 22.9 10.9 32.7



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

12.07

800000

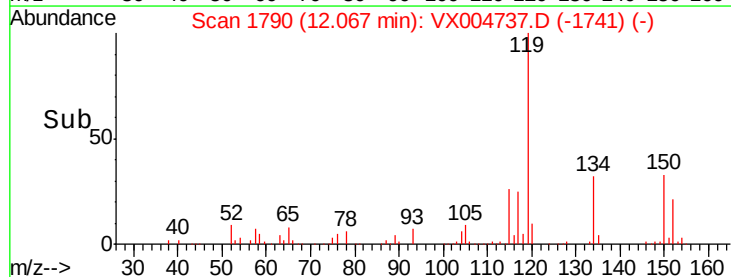
600000

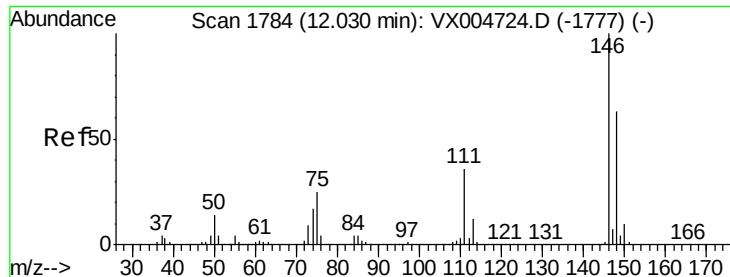
400000

200000

0

Time-->

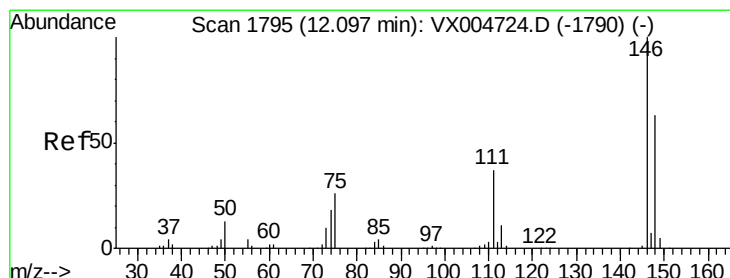
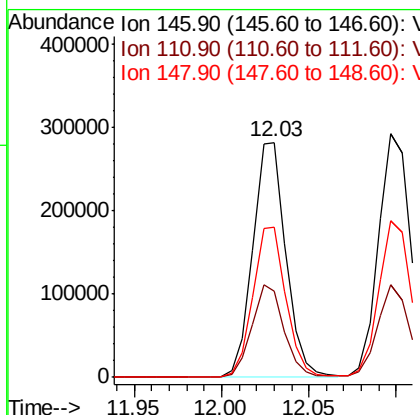
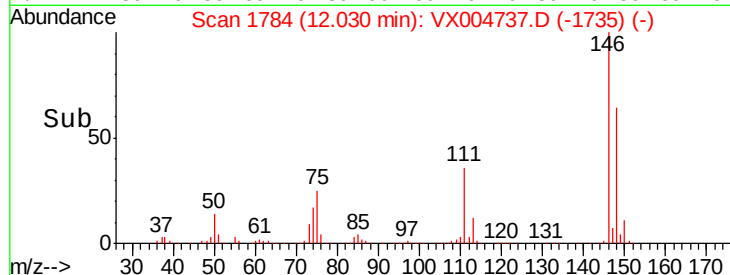
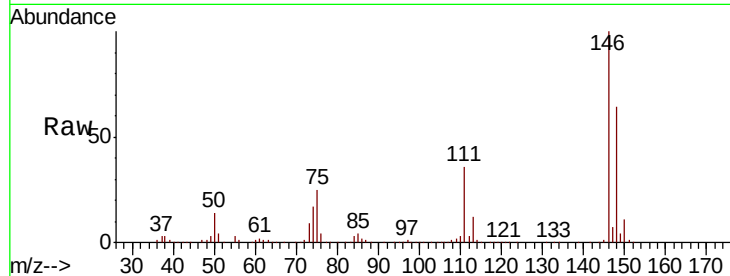




#87
 1,3-Dichlorobenzene
 Concen: 50.163 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

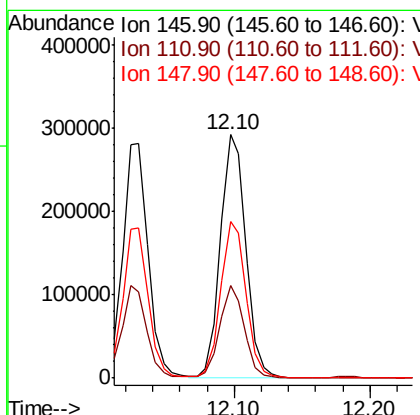
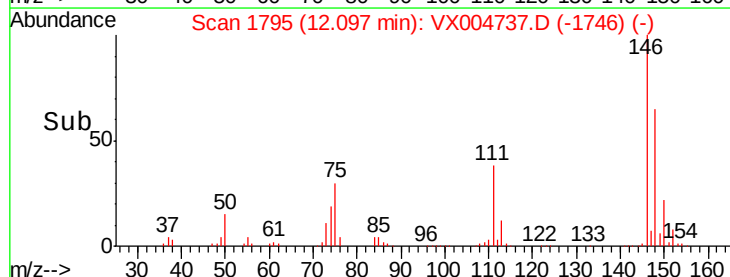
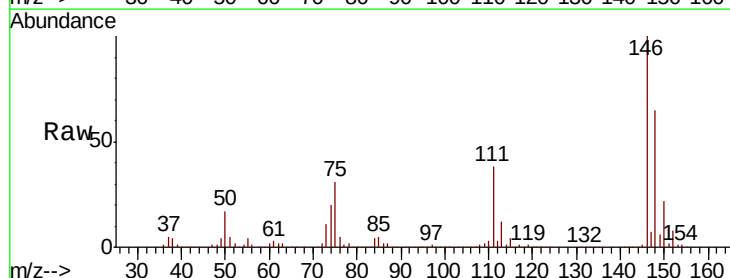
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

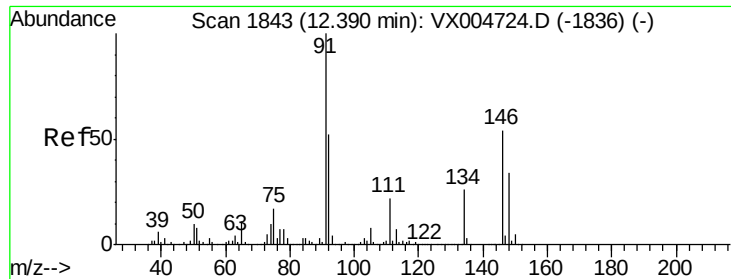
Tot Ion:146 Resp: 371079
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.7 56.1
 148 64.2 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 49.351 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Tgt Ion:146 Resp: 376861
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.1
 148 64.3 32.0 96.0

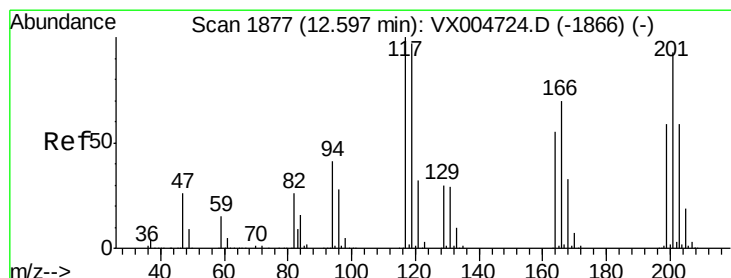
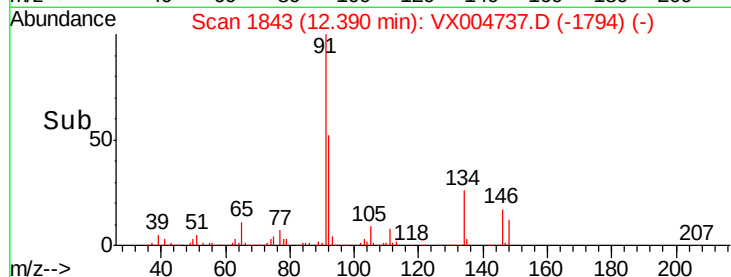
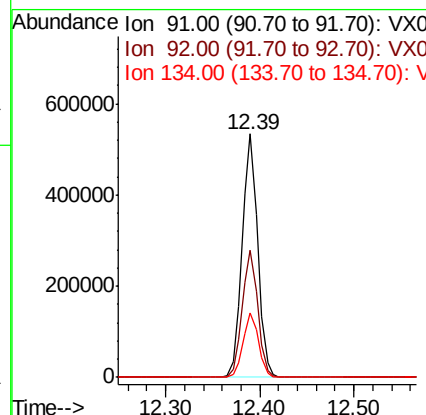
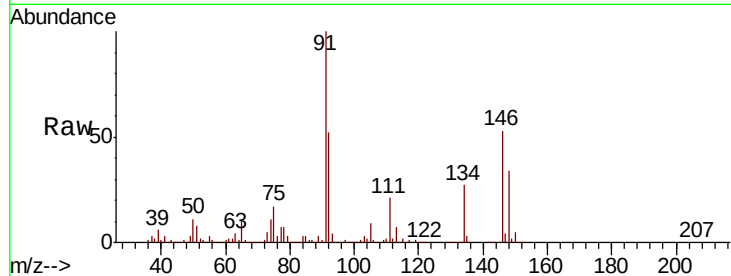




#89
n-Butylbenzene
Concen: 54.093 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

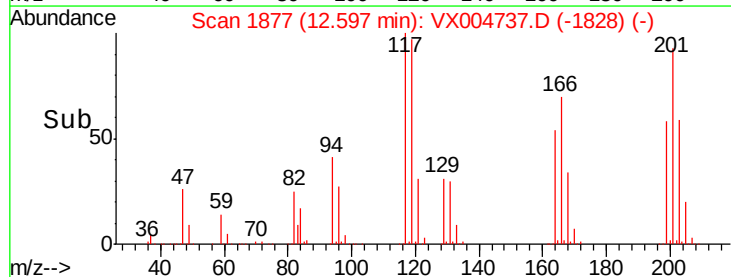
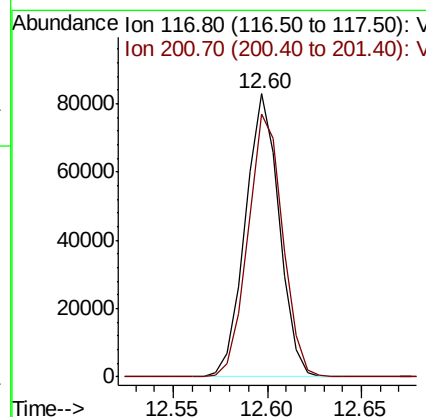
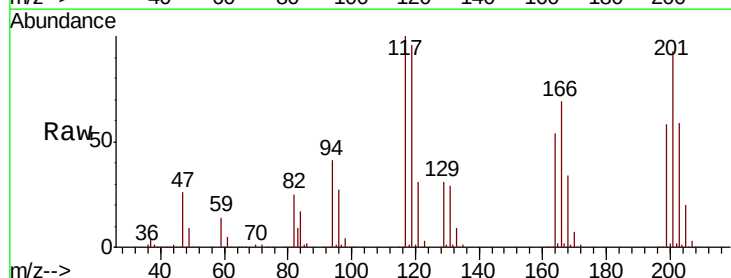
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

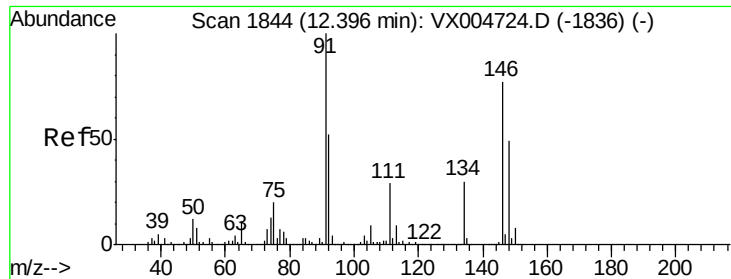
Tot Ion: 91 Resp: 608804
Ion Ratio Lower Upper
91 100
92 52.2 27.3 81.9
134 26.4 13.6 40.7



#90
Hexachloroethane
Concen: 50.106 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004737.D
Acq: 26 Sep 2018 20:09

Tgt Ion: 117 Resp: 103385
Ion Ratio Lower Upper
117 100
201 95.2 46.9 140.6

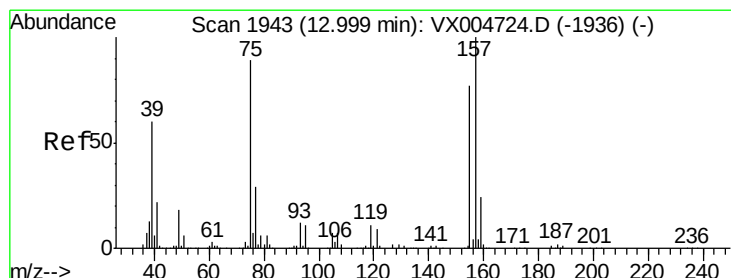
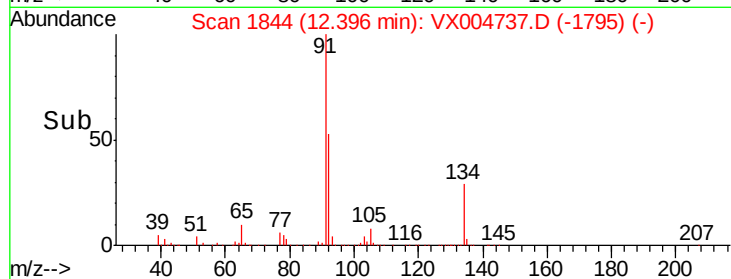
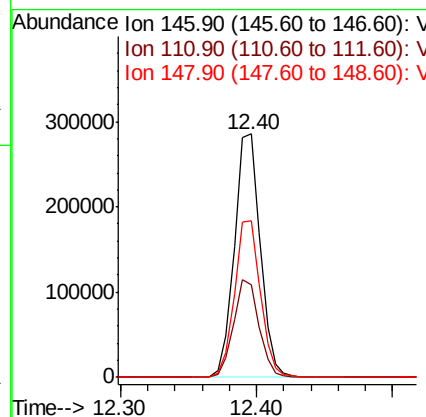
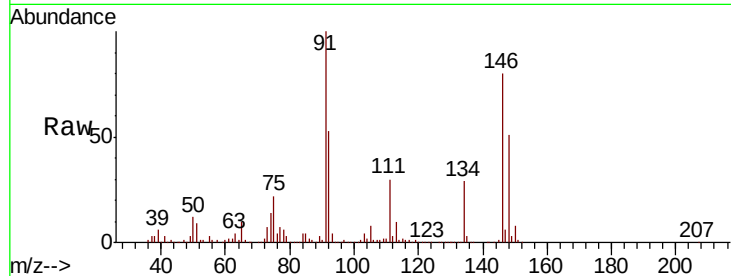




#91
 1,2-Dichlorobenzene
 Concen: 48.817 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

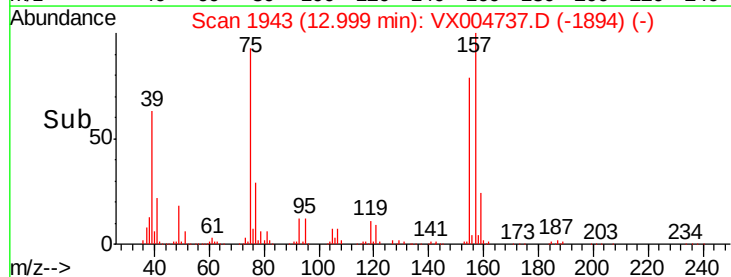
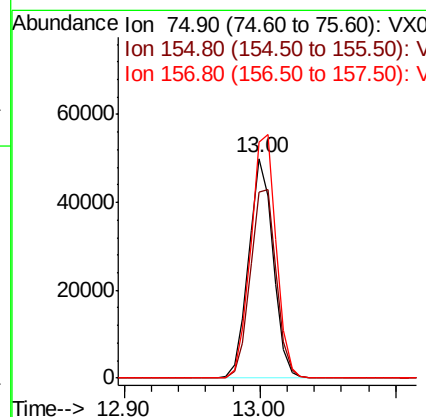
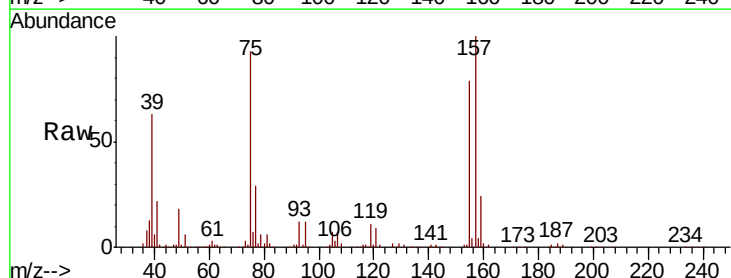
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

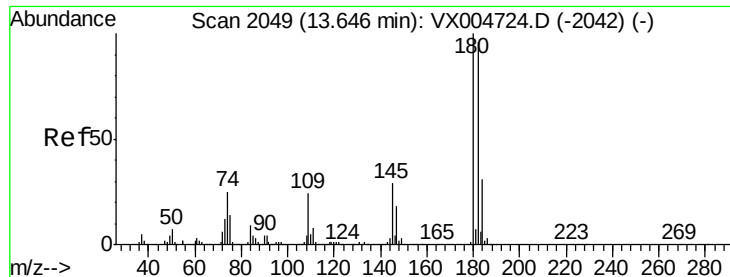
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.1
148	64.4	32.8	98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.493 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	48.0	144.2
157	116.1	61.4	184.1

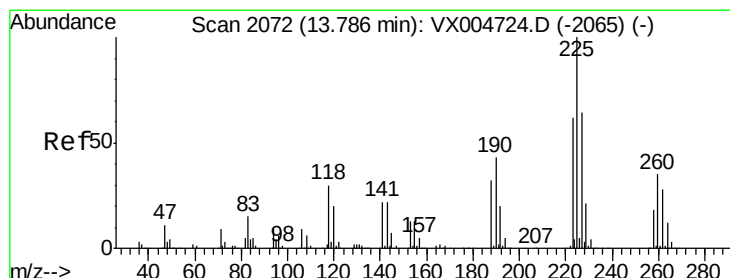
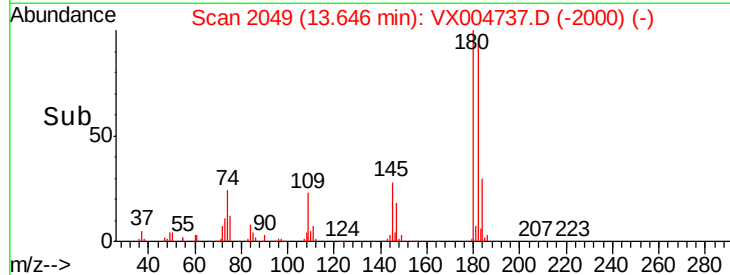
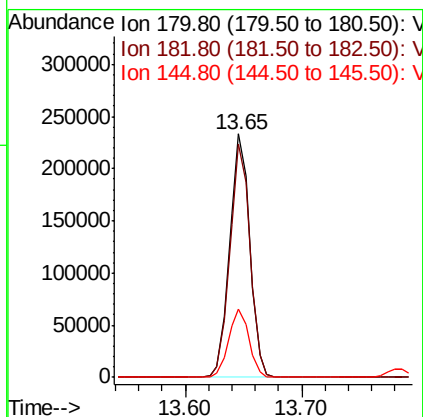
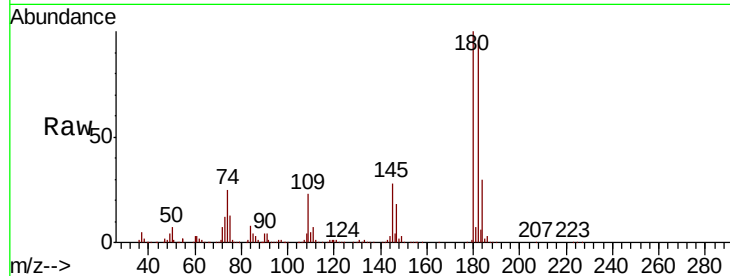




#93
 1,2,4-Trichlorobenzene
 Concen: 51.626 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

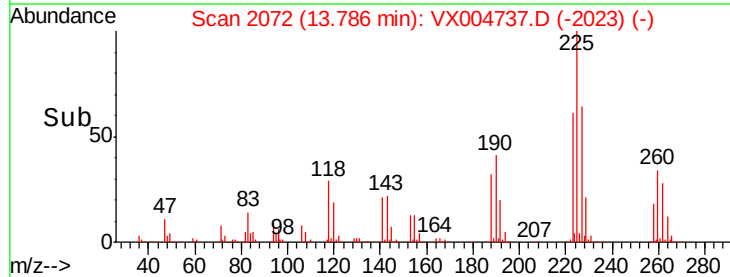
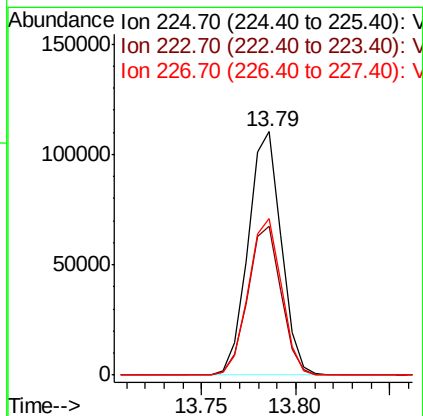
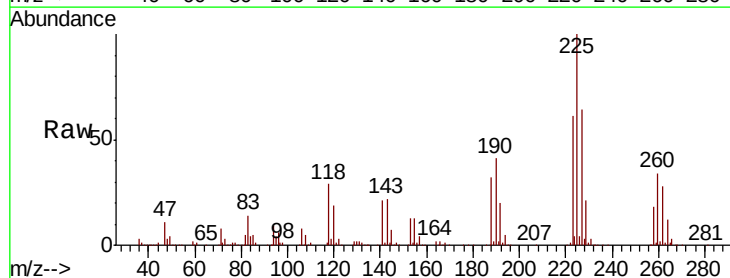
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

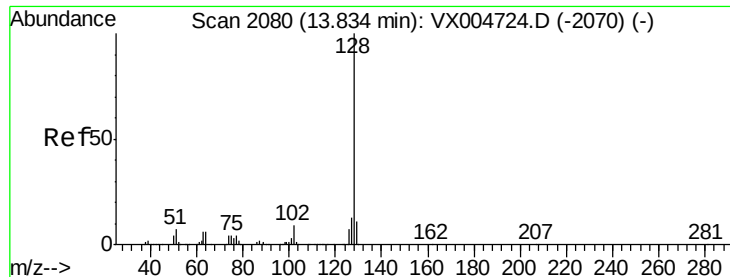
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.4	145.0
145	28.4	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 47.729 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004737.D
 Acq: 26 Sep 2018 20:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.1	90.5
227	64.4	30.8	92.4





#95

Naphthalene

Concen: 50.861 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

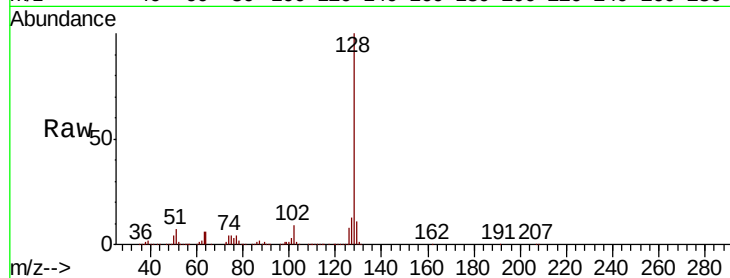
Tot Ion:128 Resp: 915693

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

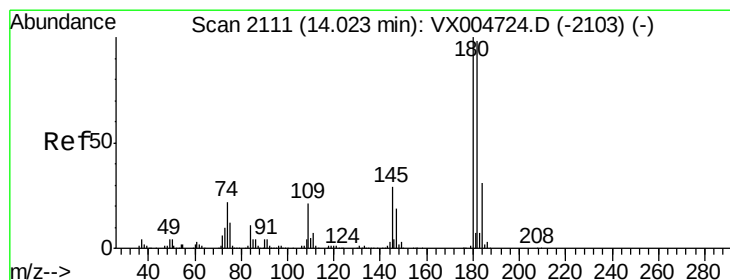
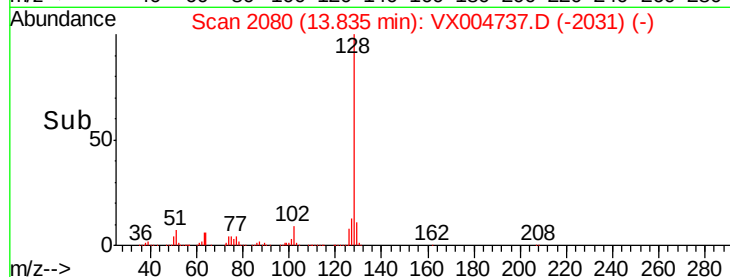
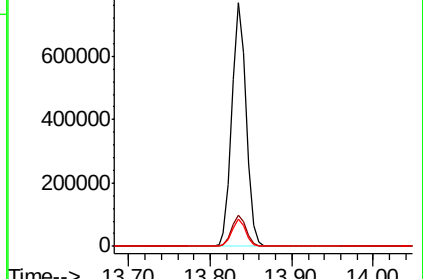
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.995 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004737.D

Acq: 26 Sep 2018 20:09

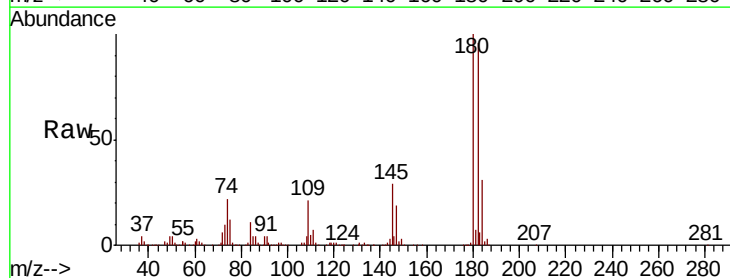
Tgt Ion:180 Resp: 285672

Ion Ratio Lower Upper

180 100

182 96.4 48.5 145.6

145 30.3 14.9 44.9



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

