

Data File : VX004912.D
Acq On : 02 Oct 2018 10:58
Operator : JC/MD
Sample : VSTDIC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Quant Time: Oct 03 04:26:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X100218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 03 04:23:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	47930	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	272540	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	252419	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	109097	29.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.83%
60) 4-Bromofluorobenzene	11.14	95	124867	29.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.20%
63) Toluene-d8	8.72	98	339301	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	199064	53.344	ug/l	99
3) Chloromethane	1.32	50	196447	50.738	ug/l	99
4) Vinyl Chloride	1.40	62	204468	51.658	ug/l	99
5) Bromomethane	1.64	94	93844	49.409	ug/l	97
6) Chloroethane	1.71	64	114741	50.493	ug/l	100
7) Trichlorofluoromethane	1.92	101	256607	50.894	ug/l	98
8) Diethyl Ether	2.19	74	102997	50.111	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	143965	49.719	ug/l	100
10) 1,1-Dichloroethene	2.37	96	136681	49.836	ug/l	99
11) Methyl Iodide	2.51	142	112345	50.311	ug/l	99
12) Methyl Acetate	2.78	43	283642	51.288	ug/l	97
13) Acrolein	2.29	56	122482	239.704	ug/l	99
14) Acrylonitrile	3.15	53	559852	247.719	ug/l	99
15) Acetone	2.45	58	190754	252.497	ug/l	100
16) Carbon Disulfide	2.56	76	408479	50.780	ug/l	99
17) Allyl chloride	2.72	41	313393	51.386	ug/l	94
18) Methylene Chloride	2.85	84	158542	49.708	ug/l	98
19) trans-1,2-Dichloroethene	3.16	96	146658	50.051	ug/l	98
20) Diisopropyl ether	3.87	45	517997	49.815	ug/l	95
21) 1,1-Dichloroethane	3.70	63	284714	49.694	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	162530	50.136	ug/l	99
23) tert-Butyl Alcohol	3.08	59	254087	243.515	ug/l #	100
24) Methyl tert-Butyl Ether	3.20	73	503644	49.970	ug/l	100
25) Chloroform	5.21	83	270819	50.225	ug/l	98
26) Cyclohexane	5.57	56	248873	50.616	ug/l #	99
29) 1,1-Dichloropropene	5.79	75	201710	50.015	ug/l	99
30) 2-Butanone	4.70	43	816463	249.003	ug/l	99
31) 2,2-Dichloropropane	4.58	77	219020	49.498	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	231814	50.003	ug/l	99
33) Carbon Tetrachloride	5.78	117	203248	49.919	ug/l	99
34) Benzene	6.14	78	614416	50.204	ug/l	98
35) Methacrylonitrile	5.06	41	153419	50.348	ug/l	97
36) 1,2-Dichloroethane	6.20	62	219529	49.792	ug/l	98
37) Trichloroethene	7.21	130	160767	49.870	ug/l	99
38) Methylcyclohexane	7.46	83	242148	50.572	ug/l	98
39) 1,2-Dichloropropane	7.52	63	163072	50.009	ug/l	97
40) Dibromomethane	7.66	93	105850	50.083	ug/l	98

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MSVOA_X
ClientSampleId :
VSTDIC050

Quant Time: Oct 03 04:26:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X100218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 03 04:23:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	203901	50.044	ug/l	98
42) Vinyl Acetate	3.82	43	2359102	248.685	ug/l	99
43) Ethyl Acetate	4.86	43	273516	50.568	ug/l	99
44) Isopropyl Acetate	6.46	43	405732	50.266	ug/l	100
45) 1,4-Dioxane	7.76	88	97477	1025.036	ug/l	97
46) Methyl methacrylate	7.78	41	212795	50.813	ug/l	99
47) n-amyl Acetate	10.90	43	370318	49.727	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	236807	47.961	ug/l	98
49) cis-1,3-Dichloropropene	8.44	75	254980	53.394	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	159681	49.903	ug/l	99
51) Ethyl methacrylate	9.18	69	257995	50.805	ug/l	99
52) 1,3-Dichloropropane	9.37	76	268670	49.770	ug/l	100
53) Dibromochloromethane	9.59	129	166111	50.037	ug/l	99
54) 1,2-Dibromoethane	9.68	107	165620	49.666	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	687226	256.467	ug/l	100
56) Bromoform	10.86	173	134927	48.668	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	1434177	253.051	ug/l	100
59) 2-Hexanone	9.50	43	1179362	252.571	ug/l	100
61) Tetrachloroethene	9.34	164	156190	50.846	ug/l	96
62) Toluene	8.79	91	673797	50.792	ug/l	99
64) Chlorobenzene	10.14	112	427107	49.854	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	156695	50.315	ug/l	99
66) Ethyl Benzene	10.26	91	732206	50.558	ug/l	99
67) m/p-Xylenes	10.36	106	572662	101.553	ug/l	98
68) o-Xylene	10.70	106	277112	50.980	ug/l	98
69) Styrene	10.71	104	465866	50.969	ug/l	99
70) Isopropylbenzene	11.02	105	736697	50.613	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	265298	49.072	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	312568	63.462	ug/l	84
73) Bromobenzene	11.26	156	197109	49.264	ug/l	98
74) n-propylbenzene	11.36	91	865292	50.525	ug/l	99
75) 2-Chlorotoluene	11.42	91	522470	50.021	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	631840	50.311	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	80673	49.818	ug/l	92
78) 4-Chlorotoluene	11.51	91	604461	49.789	ug/l	100
79) tert-butylbenzene	12.07	119	676426	50.751	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	649150	50.684	ug/l	100
81) sec-Butylbenzene	11.94	105	741857	50.042	ug/l	100
82) p-Isopropyltoluene	12.07	119	676426	50.751	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	363779	49.168	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	369371	49.195	ug/l	100
85) n-Butylbenzene	12.39	91	608746	50.286	ug/l	100
86) Hexachloroethane	12.60	117	106500	48.510	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	369660	49.150	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	61055	48.872	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	280496	49.995	ug/l	98
90) Hexachlorobutadiene	13.79	225	135067	48.764	ug/l	99
91) Naphthalene	13.83	128	902753	51.748	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	286264	49.759	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100218\
Quantitation Report (Not Reviewed)

Data File : VX004912.D
Acq On : 02 Oct 2018 10:58
Operator : JC/MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Quant Time: Oct 03 04:26:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X100218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 03 04:23:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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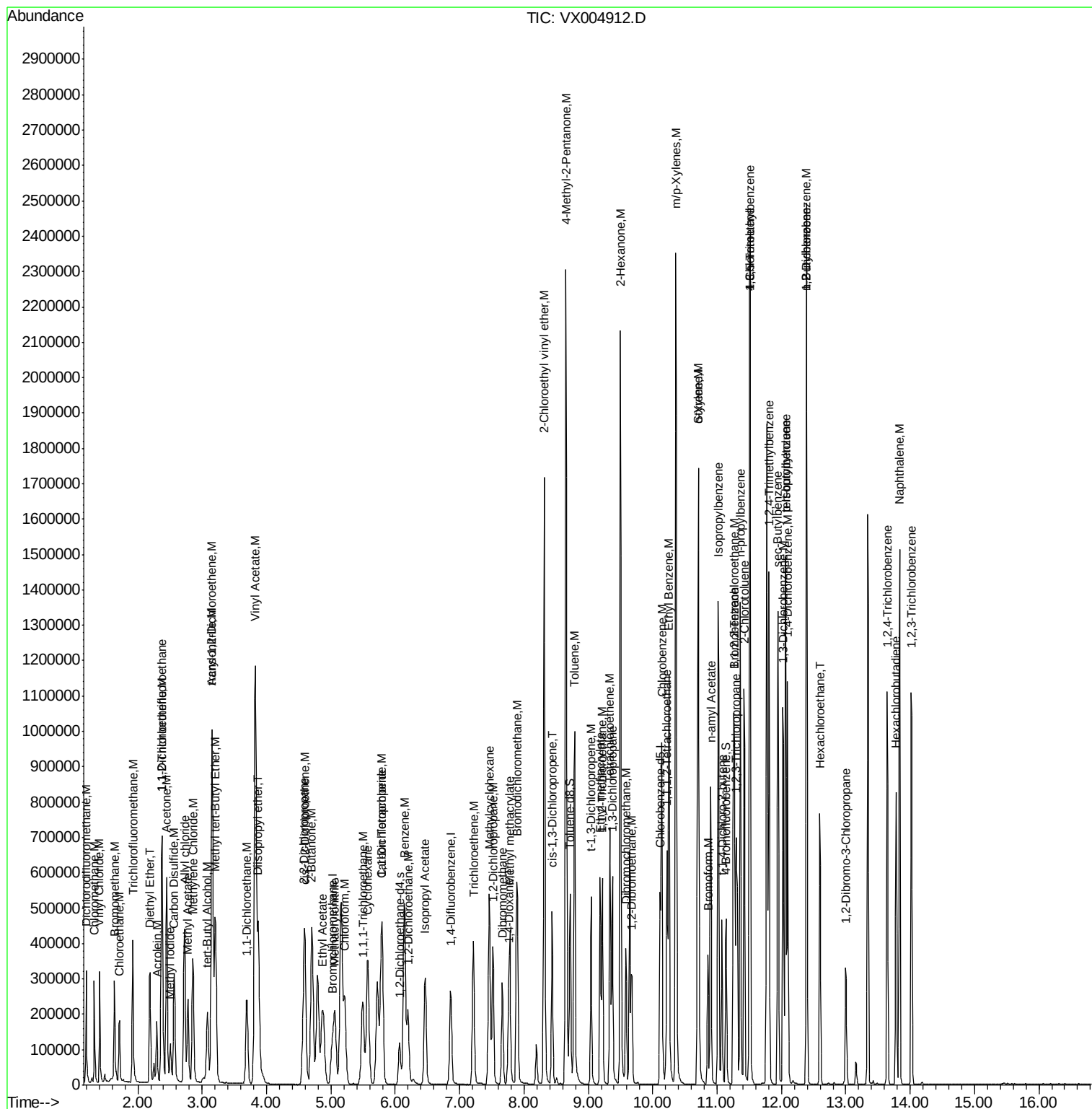
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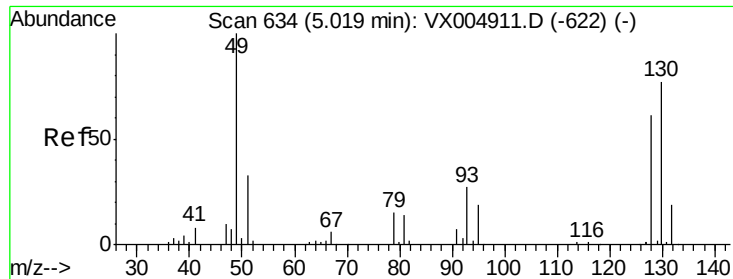
Data File : VX004912.D

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Acq On       : 02 Oct 2018   10:58
Operator     : JC/MD
Sample       : VSTDICC050
Misc         : 5.0mL/MSVOA_X/WATER
ALS Vial     : 4      Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Quant Time: Oct 03 04:26:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X100218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 03 04:23:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

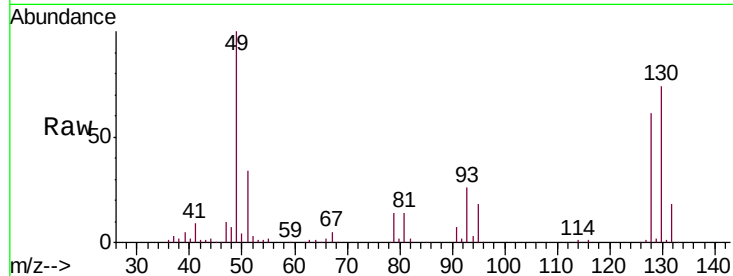
Tgt Ion:128 Resp: 47930

Ion Ratio Lower Upper

128 100

49 175.0 0.0 429.5

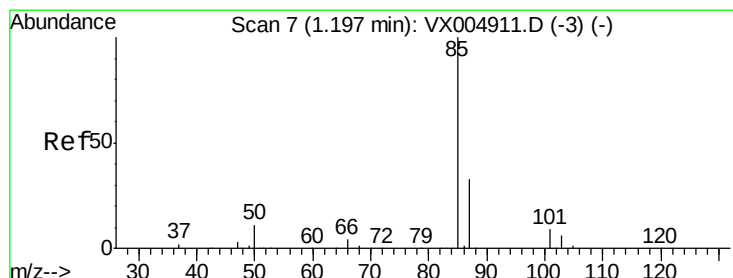
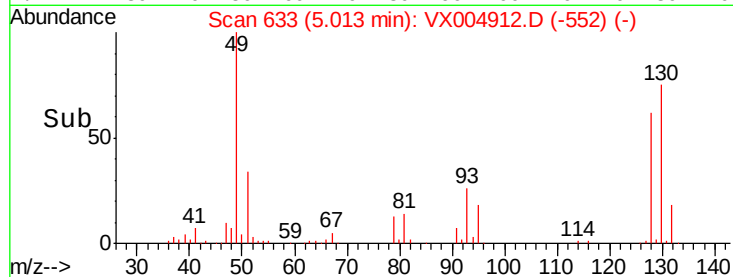
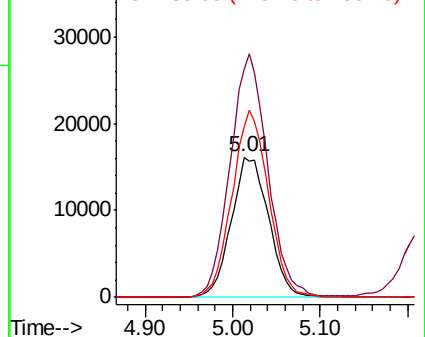
130 130.2 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 53.344 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX004912.D

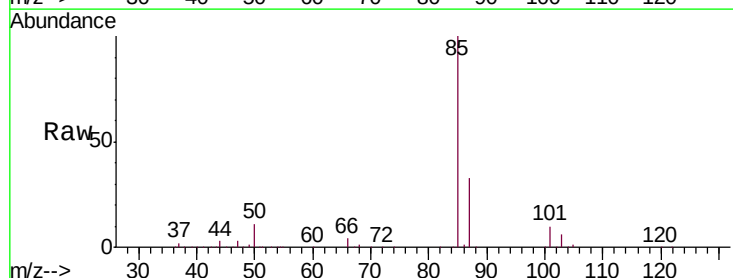
Acq: 02 Oct 2018 10:58

Tgt Ion: 85 Resp: 199064

Ion Ratio Lower Upper

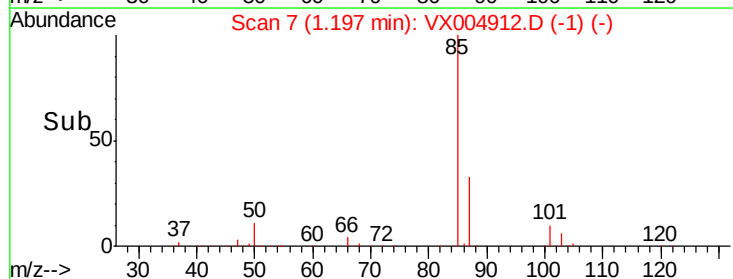
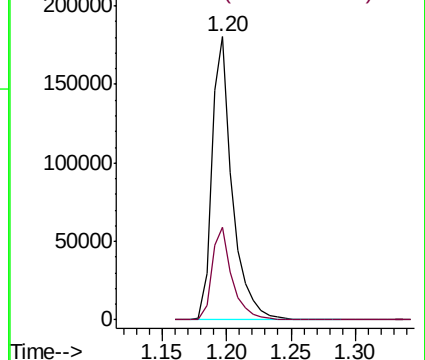
85 100

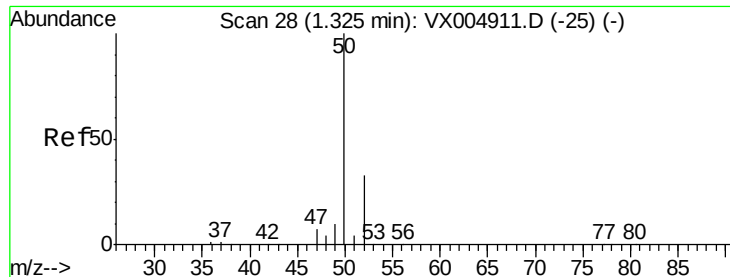
87 32.7 16.5 49.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 50.738 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

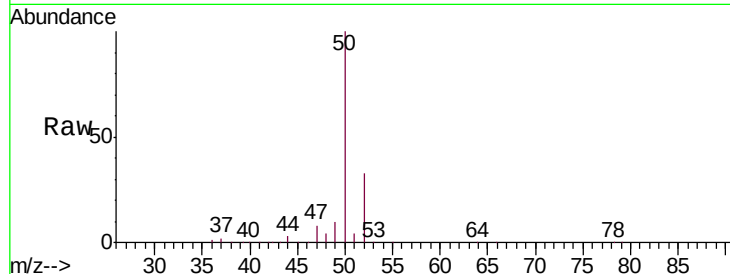
VSTDIC050

Tgt Ion: 50 Resp: 196447

Ion Ratio Lower Upper

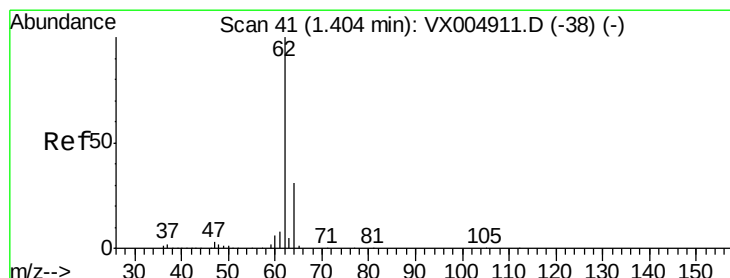
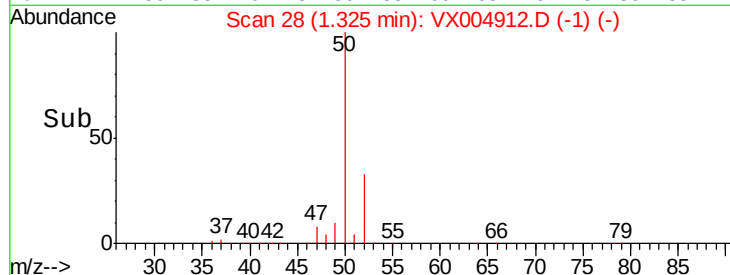
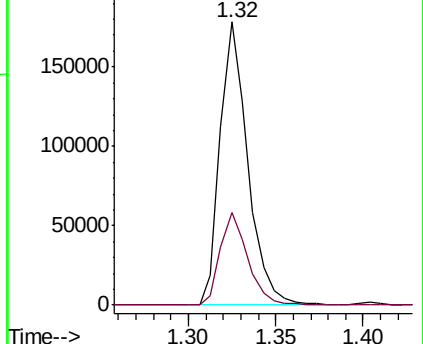
50 100

52 32.9 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 51.658 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004912.D

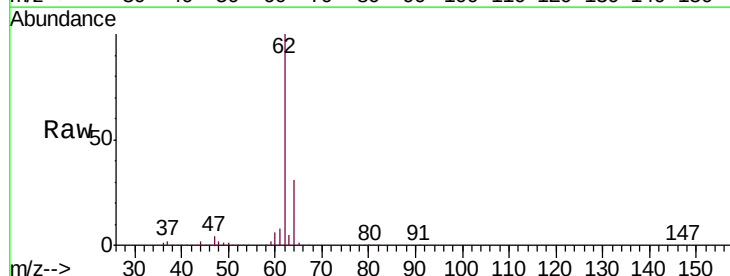
Acq: 02 Oct 2018 10:58

Tgt Ion: 62 Resp: 204468

Ion Ratio Lower Upper

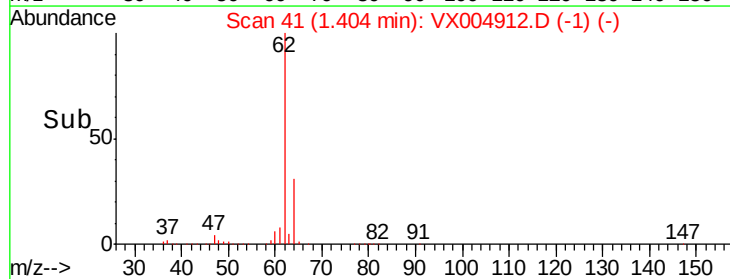
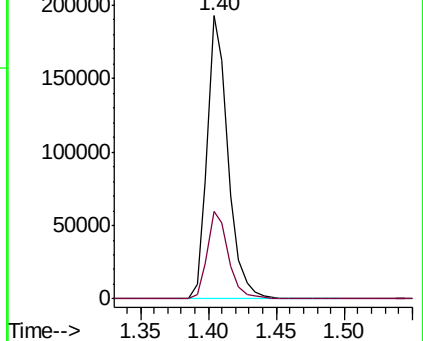
62 100

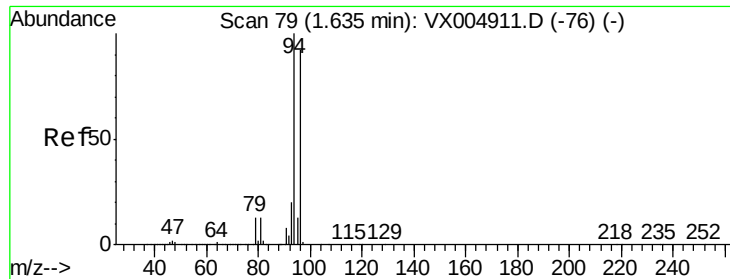
64 31.0 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 49.409 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampled :

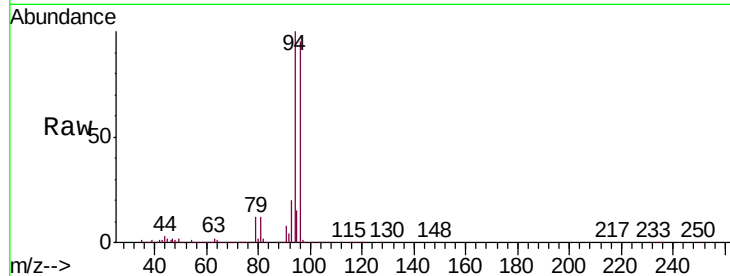
VSTDIC050

Tgt Ion: 94 Resp: 93844

Ion Ratio Lower Upper

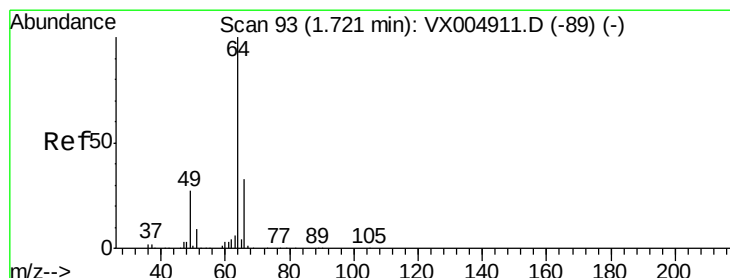
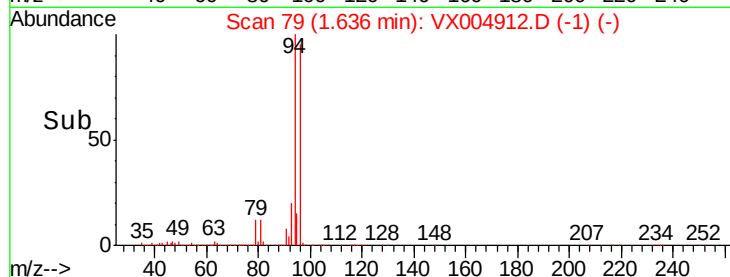
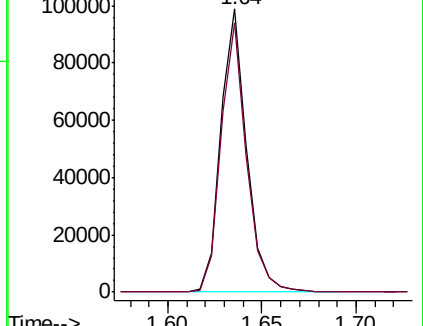
94 100

96 95.0 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 50.493 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX004912.D

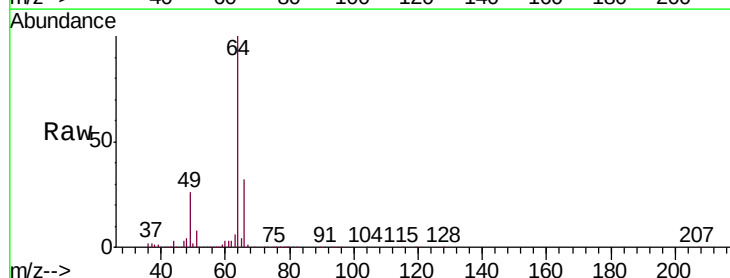
Acq: 02 Oct 2018 10:58

Tgt Ion: 64 Resp: 114741

Ion Ratio Lower Upper

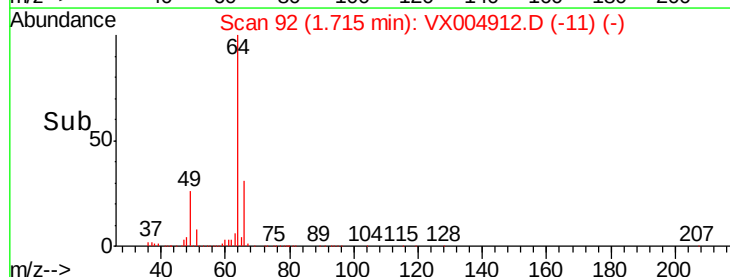
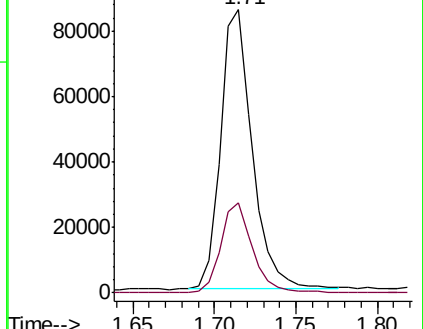
64 100

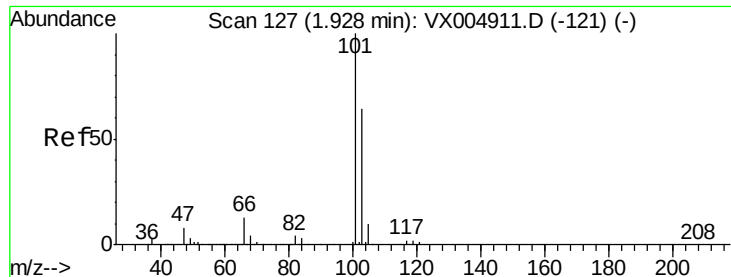
66 32.3 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



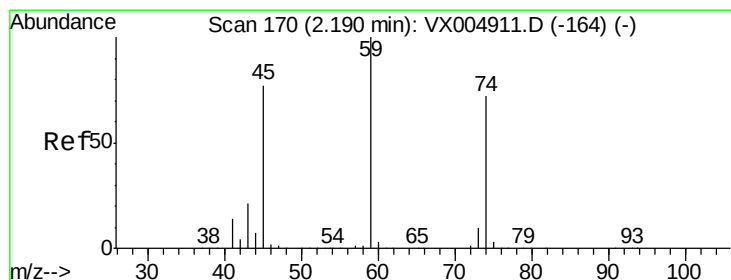
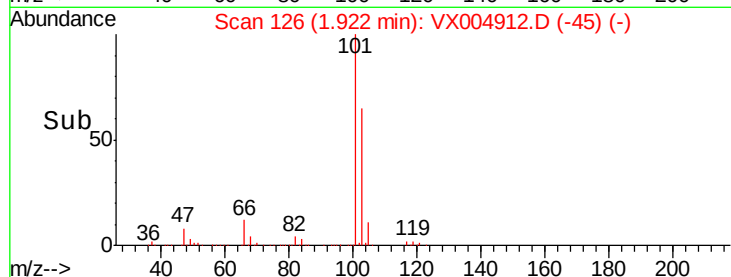
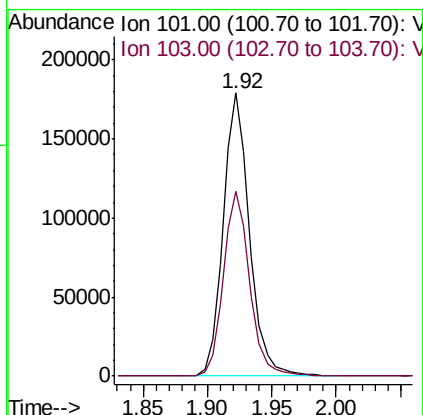
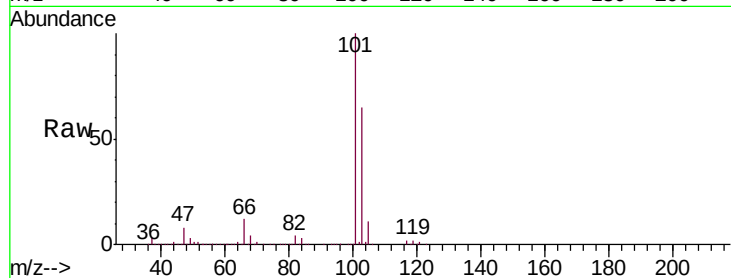


#7

Trichlorofluoromethane
 Concen: 50.894 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

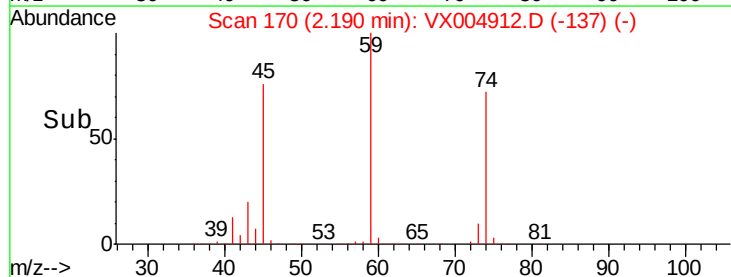
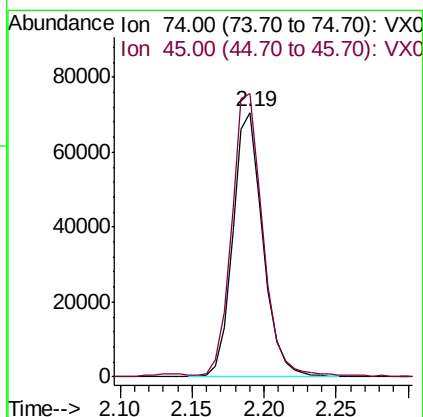
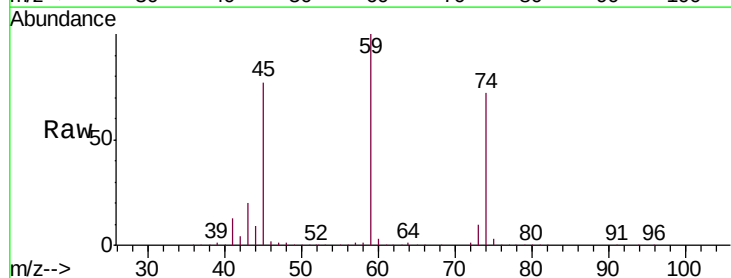
Tgt Ion:101 Resp: 256607
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.1 76.7

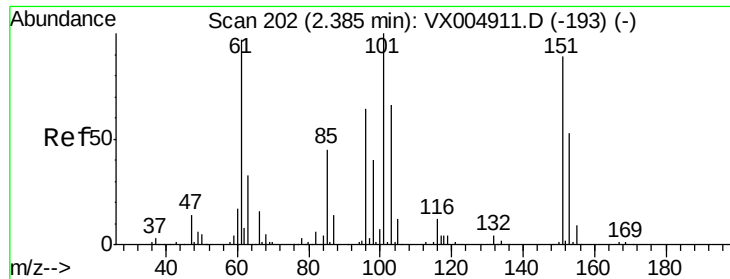


#8

Diethyl Ether
 Concen: 50.111 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion: 74 Resp: 102997
 Ion Ratio Lower Upper
 74 100
 45 110.0 21.6 194.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.719 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

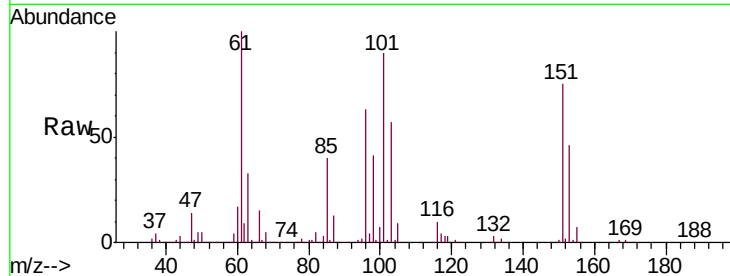
Tgt Ion: 101 Resp: 143965

Ion Ratio Lower Upper

101 100

85 43.9 0.0 88.0

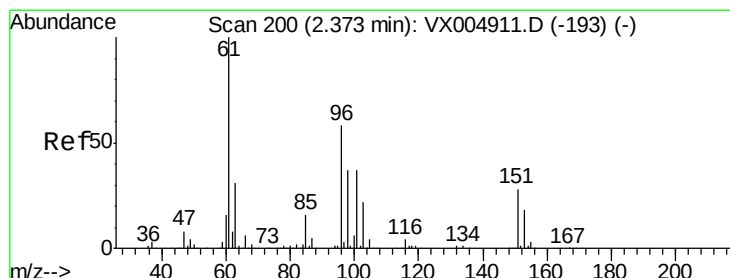
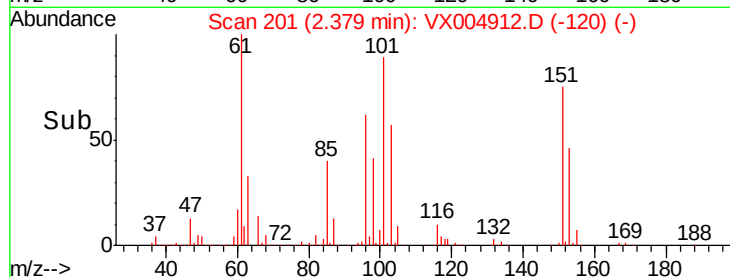
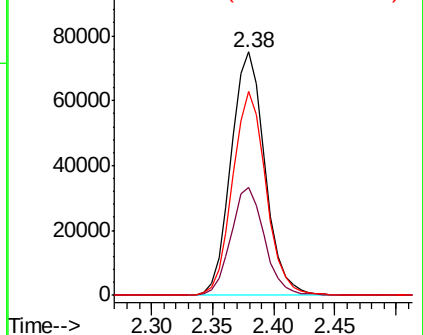
151 82.8 0.0 164.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 49.836 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

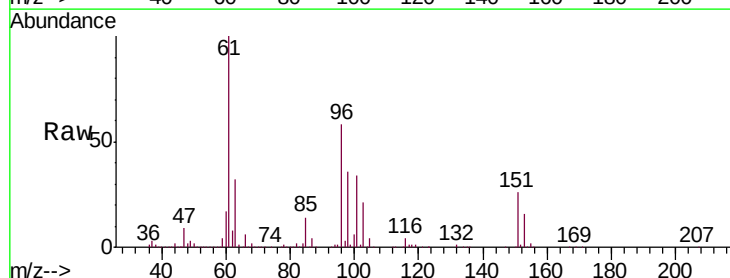
Tgt Ion: 96 Resp: 136681

Ion Ratio Lower Upper

96 100

61 171.2 137.9 206.9

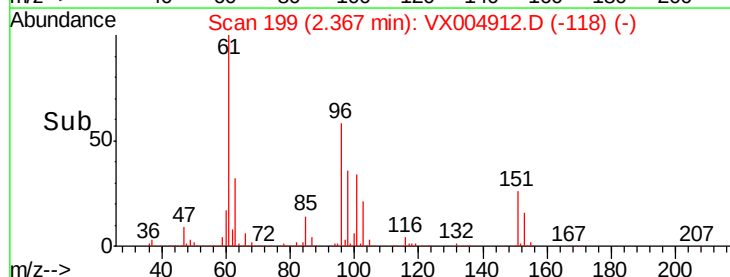
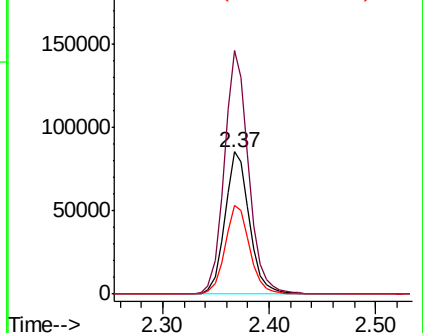
98 62.2 51.0 76.4

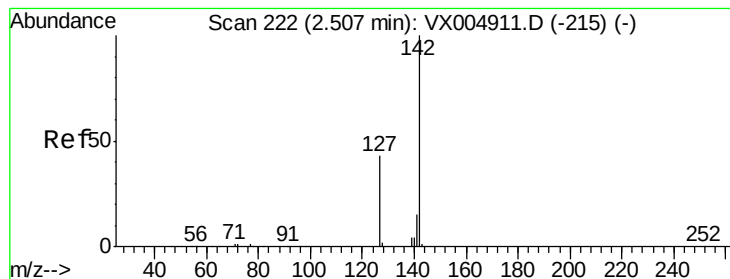


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#11

Methyl Iodide

Concen: 50.311 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

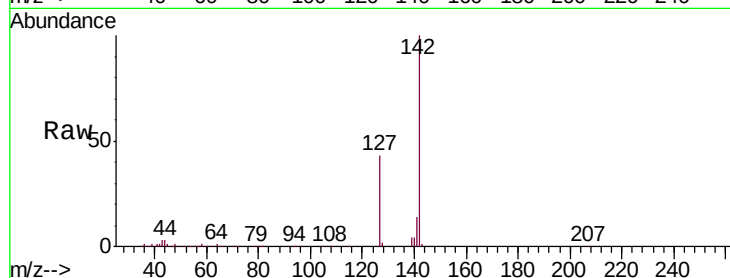
Tgt Ion:142 Resp: 112345

Ion Ratio Lower Upper

142 100

127 42.7 21.6 64.8

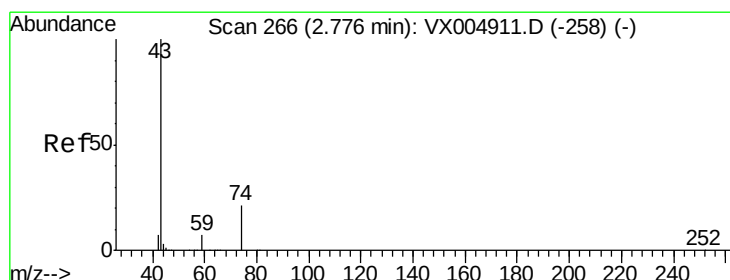
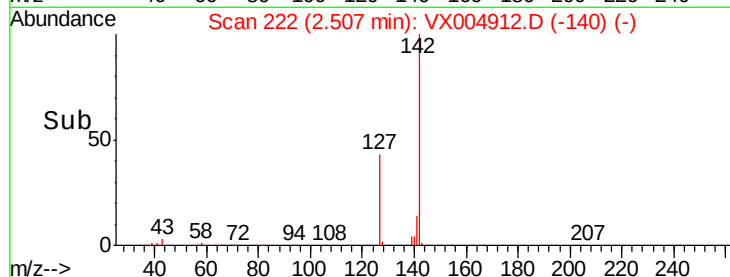
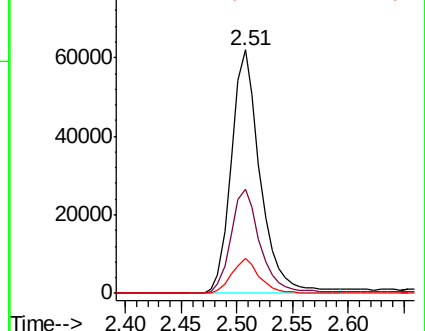
141 14.2 7.5 22.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 51.288 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX004912.D

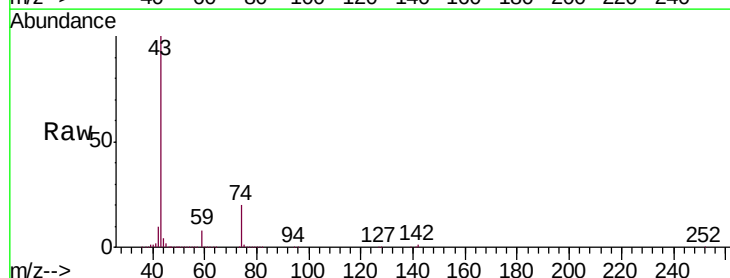
Acq: 02 Oct 2018 10:58

Tgt Ion: 43 Resp: 283642

Ion Ratio Lower Upper

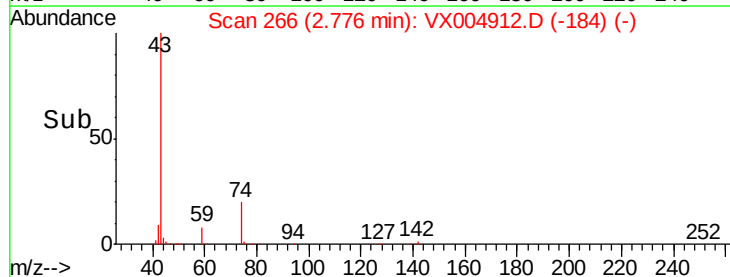
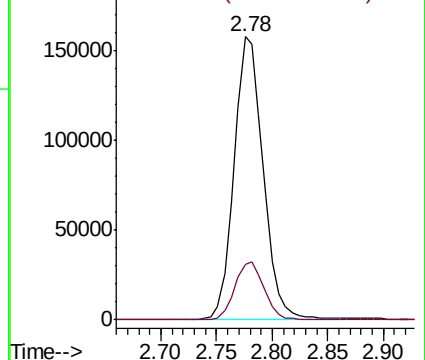
43 100

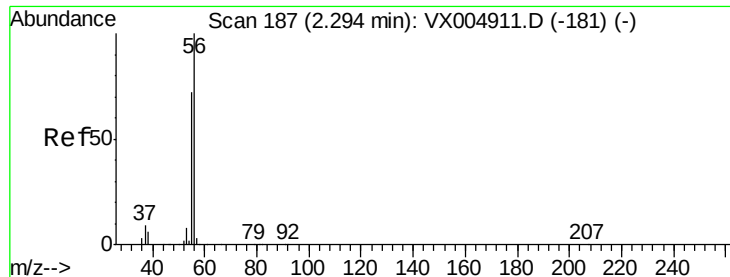
74 19.7 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 239.704 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

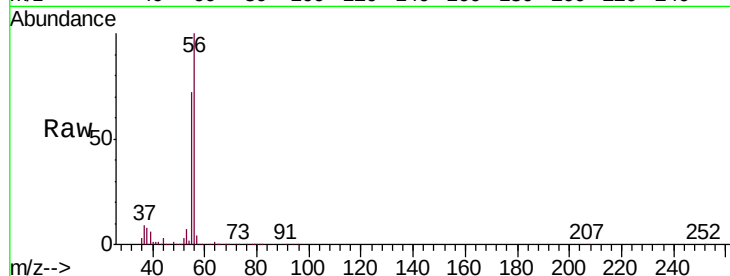
VSTDIC050

Tgt Ion: 56 Resp: 122482

Ion Ratio Lower Upper

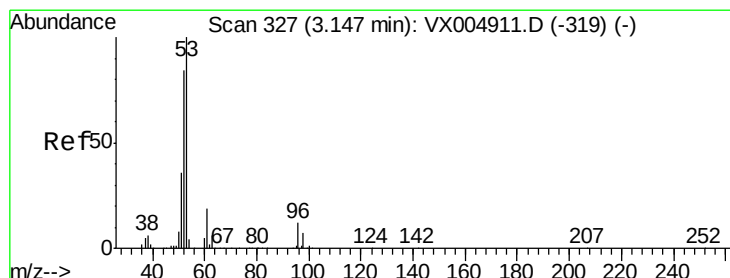
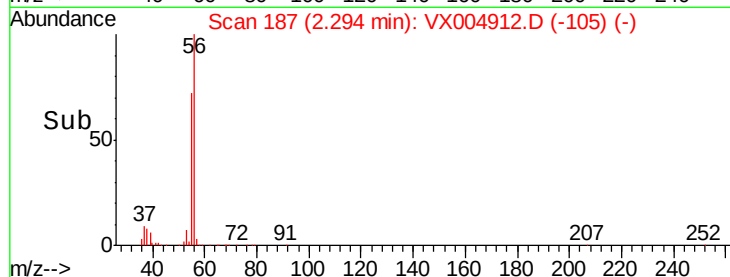
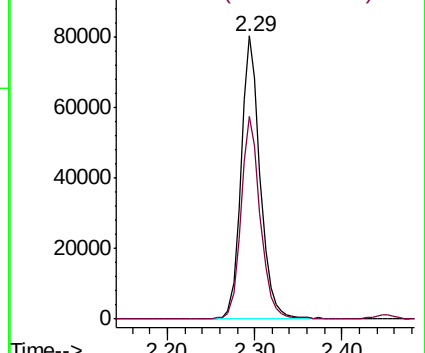
56 100

55 72.0 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 247.719 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

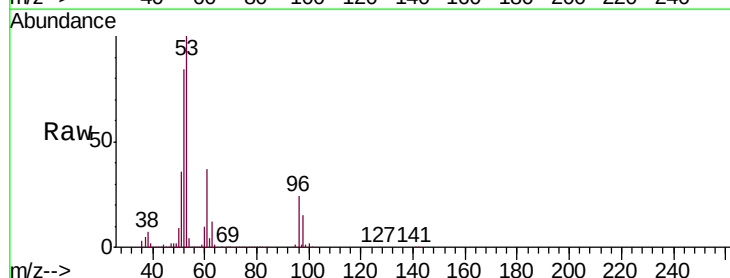
Tgt Ion: 53 Resp: 559852

Ion Ratio Lower Upper

53 100

52 83.8 41.5 124.6

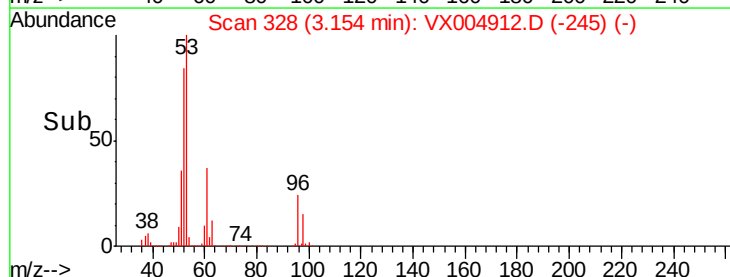
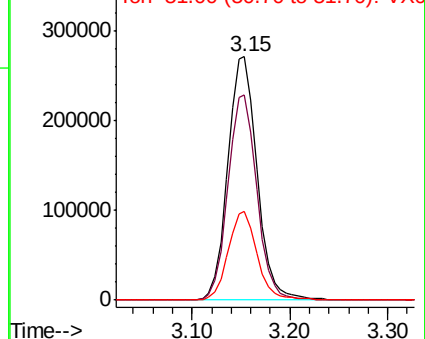
51 36.2 18.0 54.0

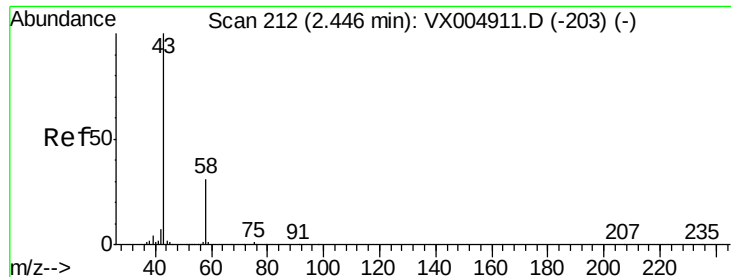


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 252.497 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

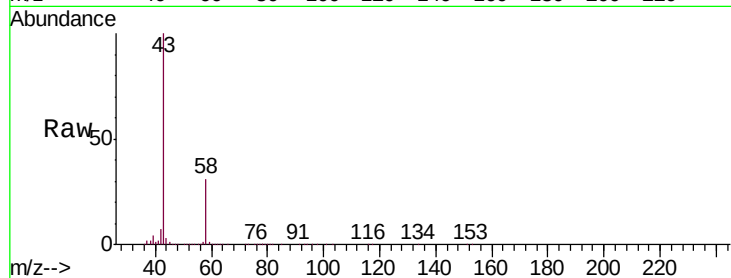
VSTDIC050

Tgt Ion: 58 Resp: 190754

Ion Ratio Lower Upper

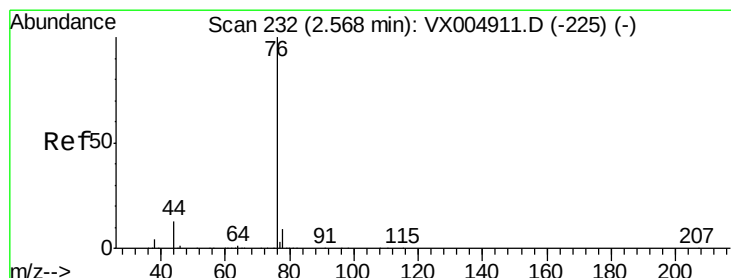
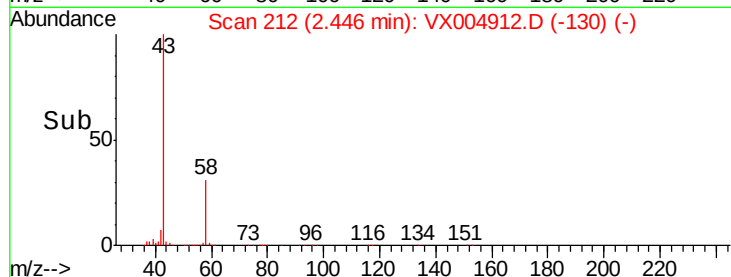
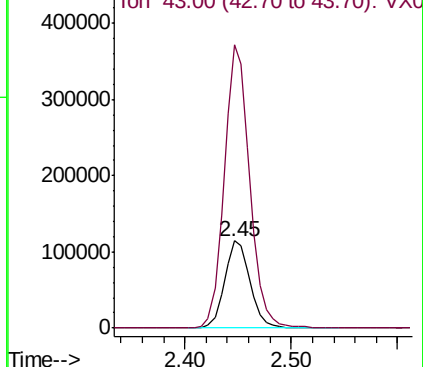
58 100

43 323.9 258.6 388.0



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 50.780 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004912.D

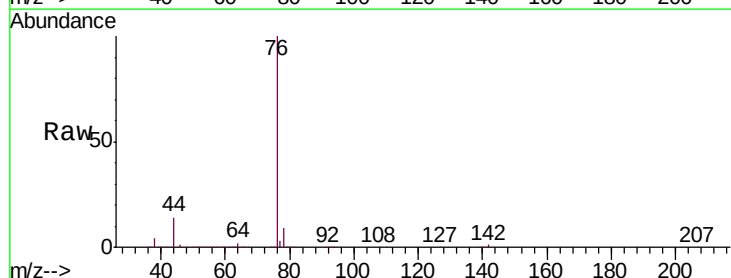
Acq: 02 Oct 2018 10:58

Tgt Ion: 76 Resp: 408479

Ion Ratio Lower Upper

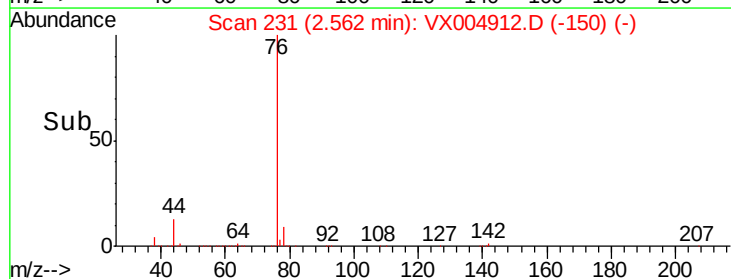
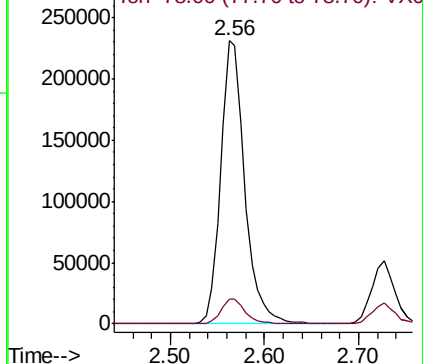
76 100

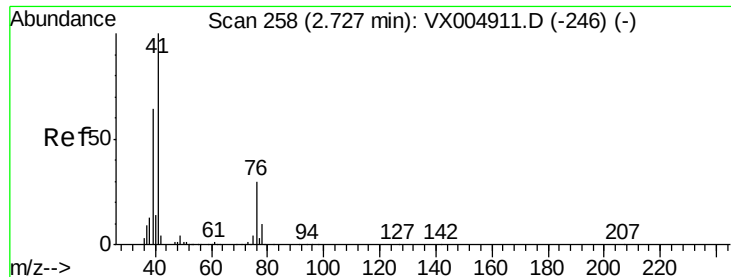
78 8.7 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

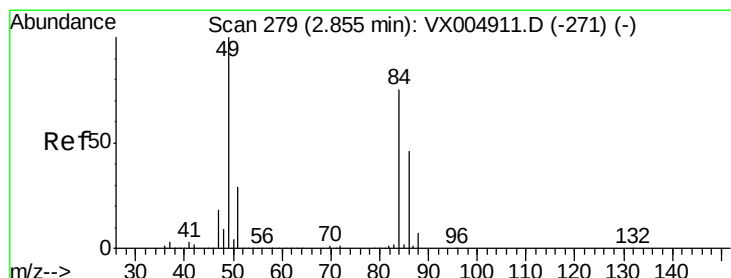
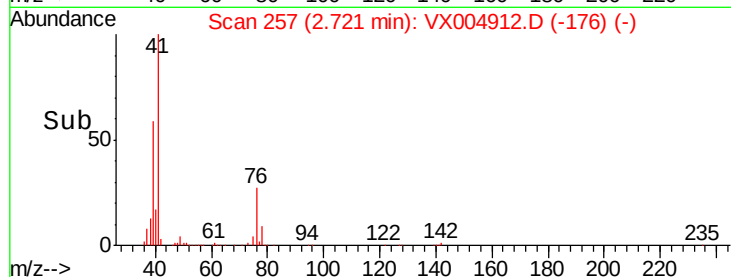
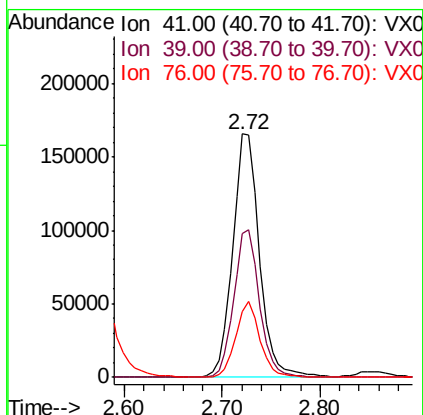
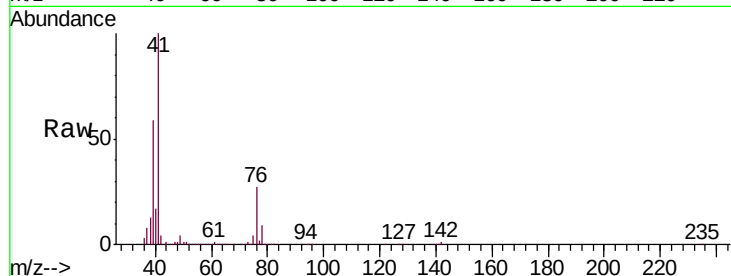




#17
 Allyl chloride
 Concen: 51.386 ug/l
 RT: 2.72 min Scan# 257
 Delta R.T. -0.01 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

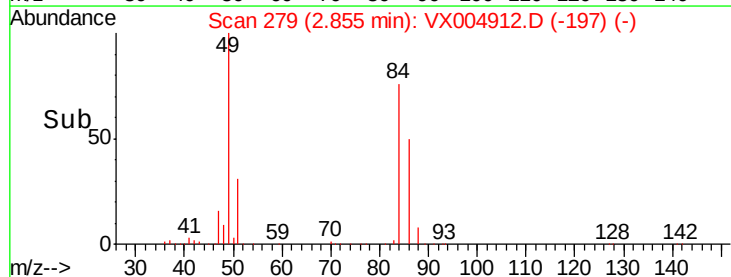
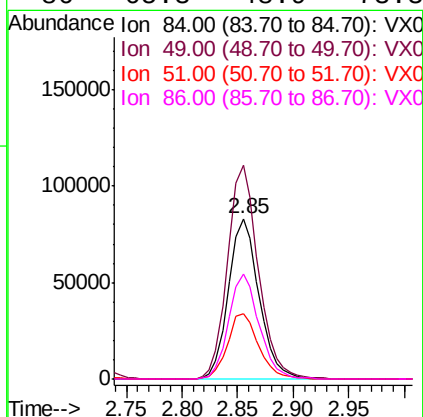
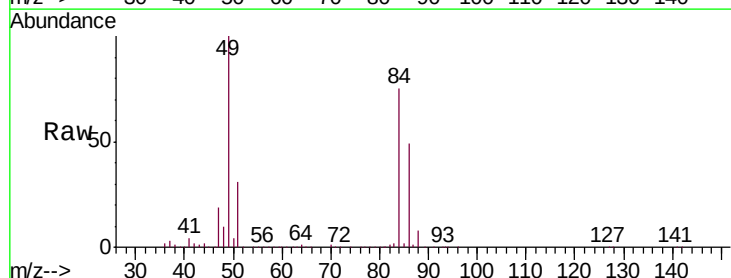
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

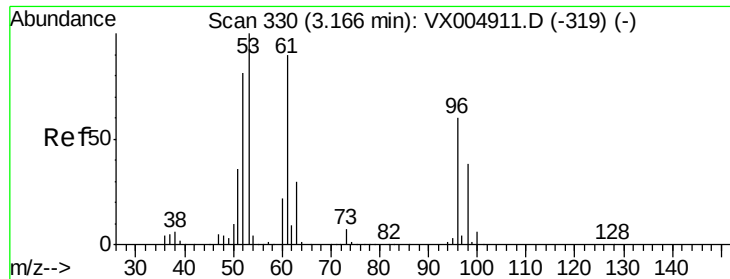
Tgt Ion: 41 Resp: 313393
 Ion Ratio Lower Upper
 41 100
 39 58.7 31.8 95.4
 76 27.1 15.3 45.8



#18
 Methylene Chloride
 Concen: 49.708 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion: 84 Resp: 158542
 Ion Ratio Lower Upper
 84 100
 49 133.2 106.2 159.4
 51 40.9 31.3 46.9
 86 65.3 48.9 73.3





#19

trans-1,2-Dichloroethene

Concen: 50.051 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

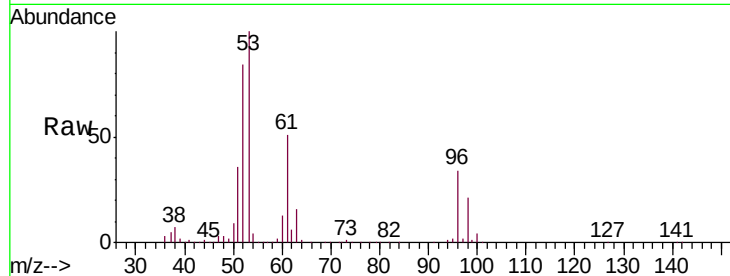
Tgt Ion: 96 Resp: 146658

Ion Ratio Lower Upper

96 100

61 147.8 119.5 179.3

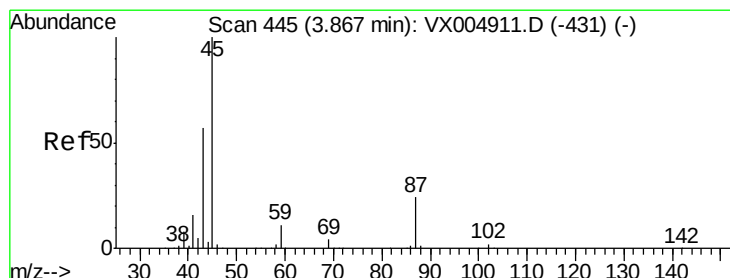
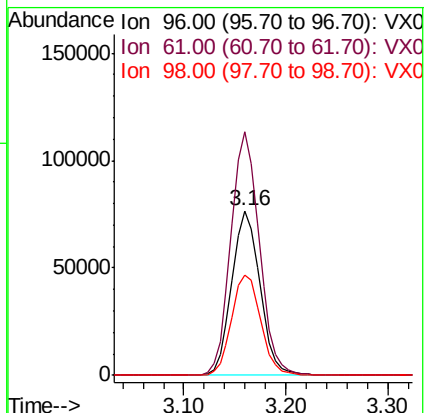
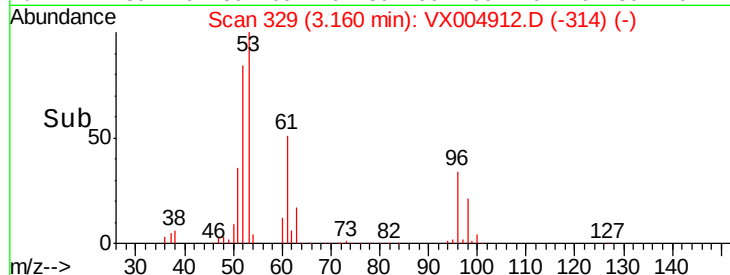
98 61.3 50.6 75.8



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 49.815 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Tgt Ion: 45 Resp: 517997

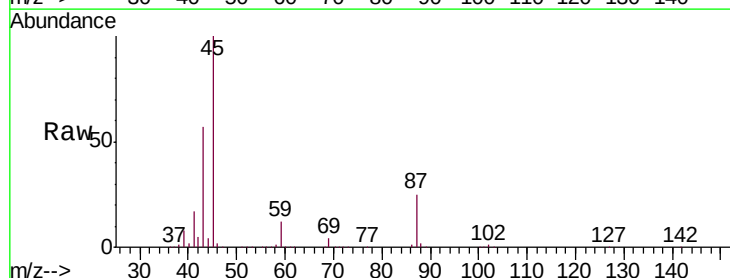
Ion Ratio Lower Upper

45 100

43 56.9 49.8 74.8

87 25.4 19.1 28.7

59 11.6 8.7 13.1

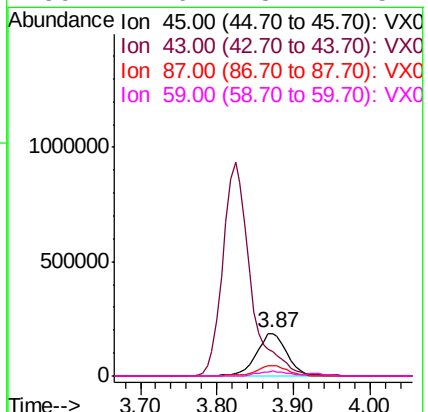
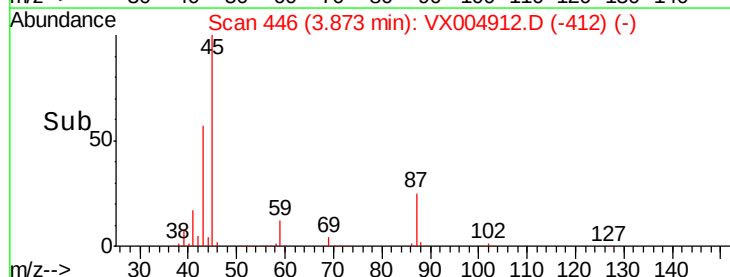


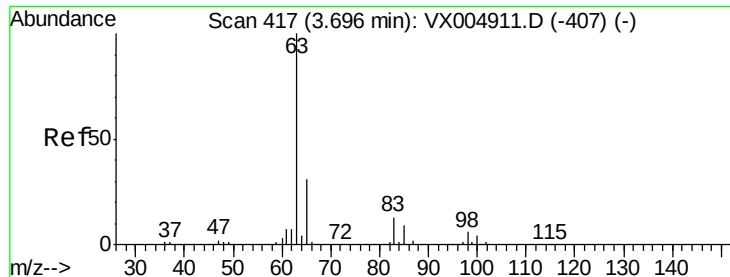
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 49.694 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

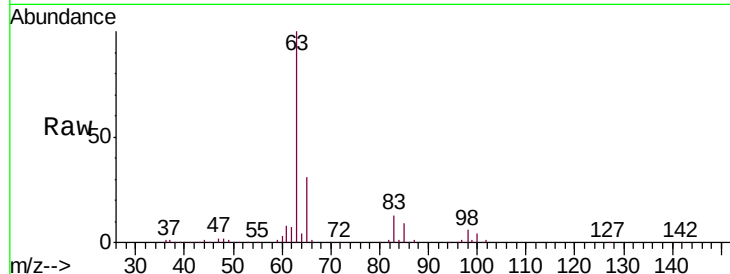
Tgt Ion: 63 Resp: 284714

Ion Ratio Lower Upper

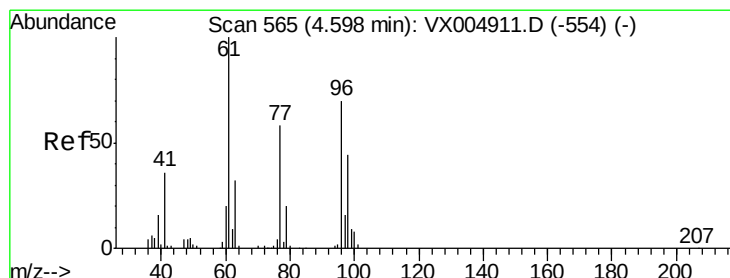
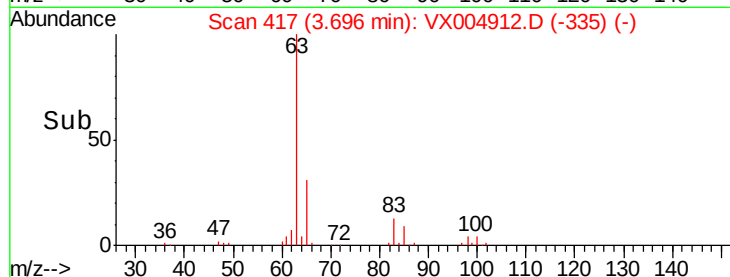
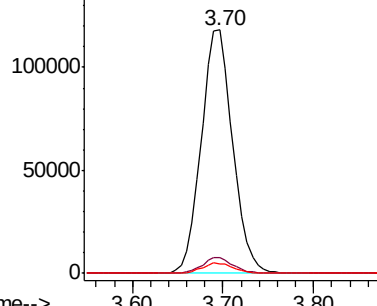
63 100

98 6.2 3.2 9.6

100 4.1 2.1 6.5



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 50.136 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

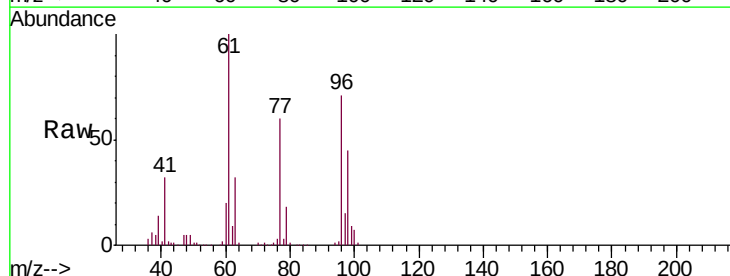
Tgt Ion: 96 Resp: 162530

Ion Ratio Lower Upper

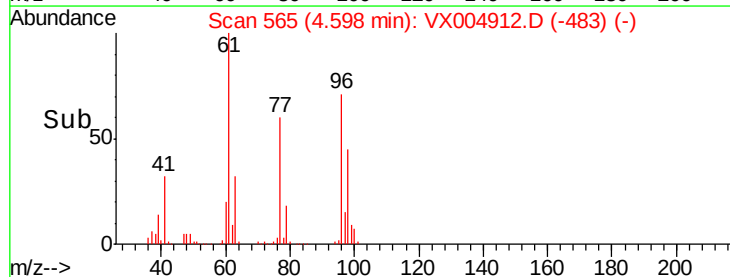
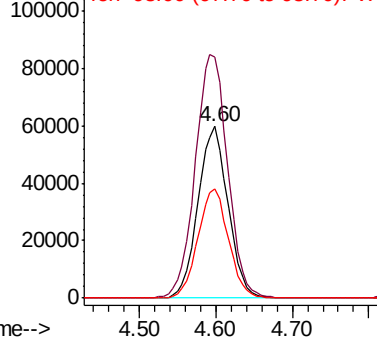
96 100

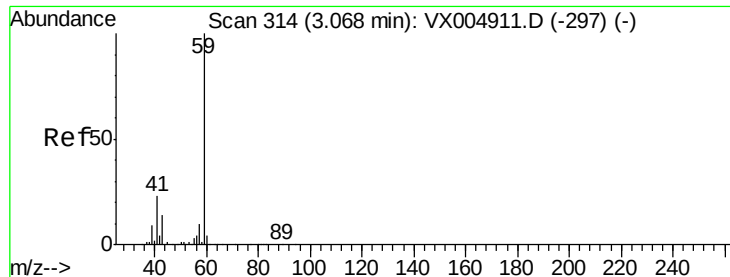
61 152.6 123.3 184.9

98 64.5 51.4 77.0



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



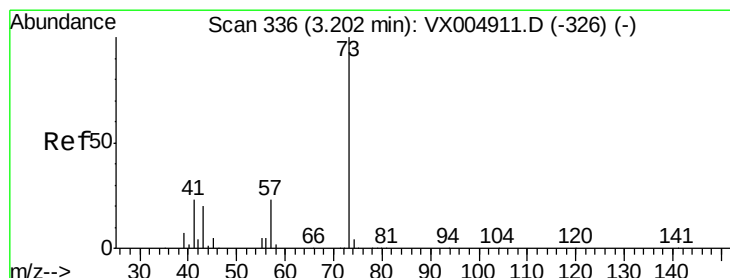
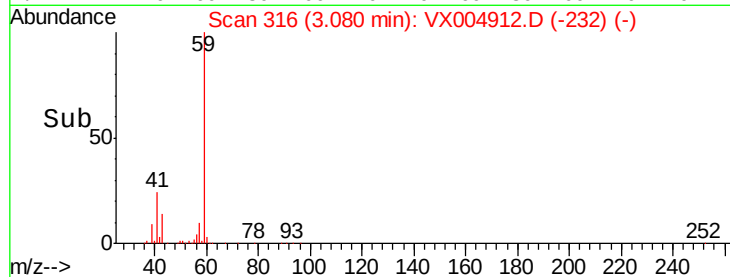
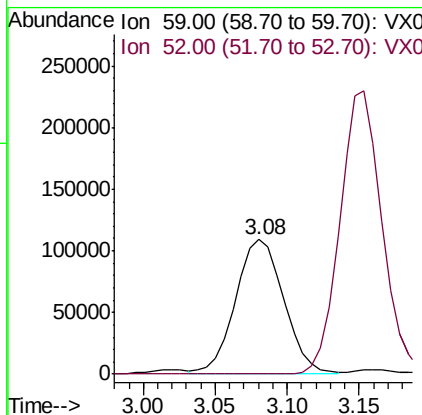
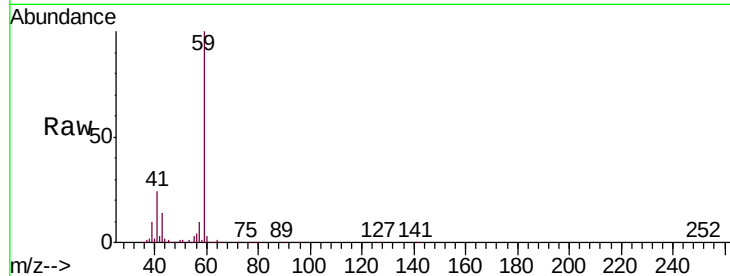


#23

tert-Butyl Alcohol
 Concen: 243.515 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

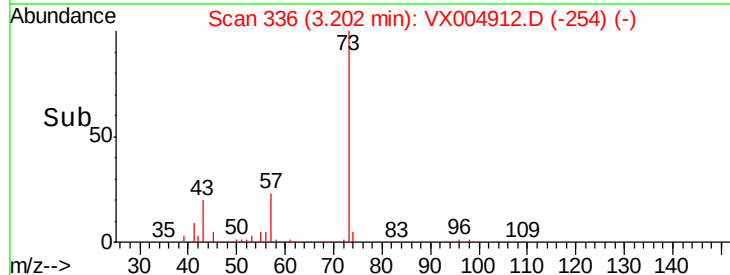
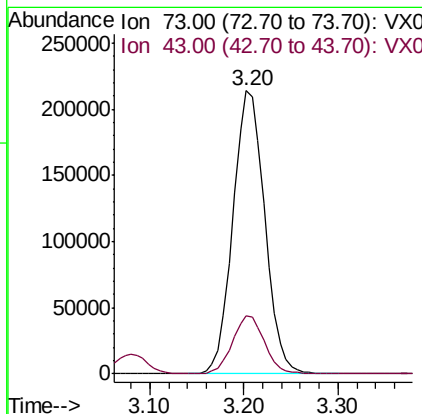
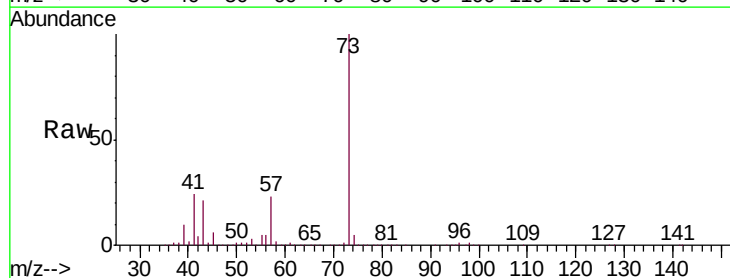
Tgt Ion: 59 Resp: 254087
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.1 0.1#

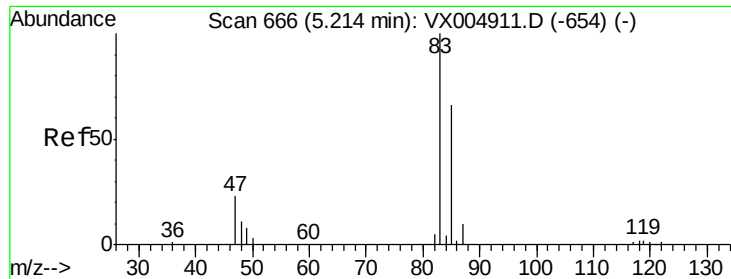


#24

Methyl tert-Butyl Ether
 Concen: 49.970 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion: 73 Resp: 503644
 Ion Ratio Lower Upper
 73 100
 43 20.3 16.3 24.5

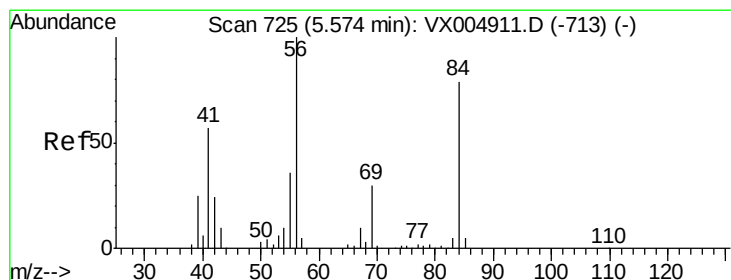
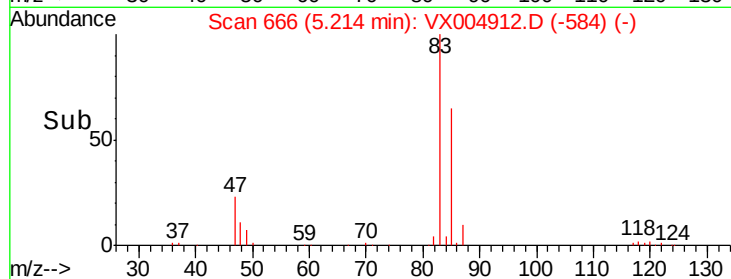
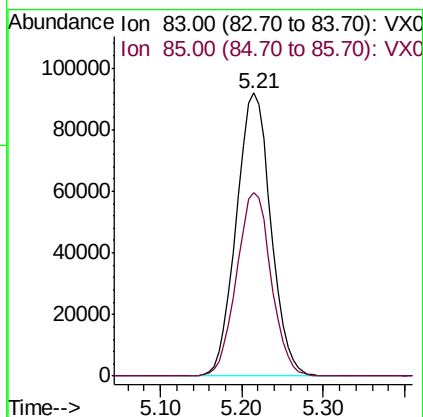
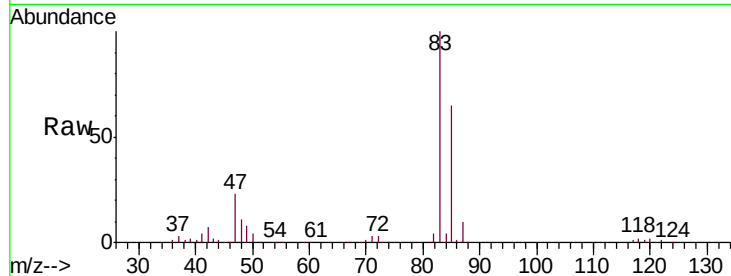




#25
Chloroform
Concen: 50.225 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

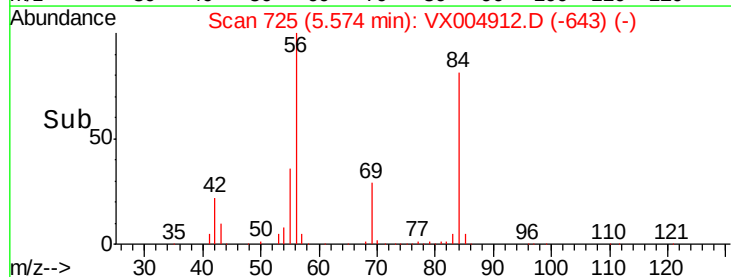
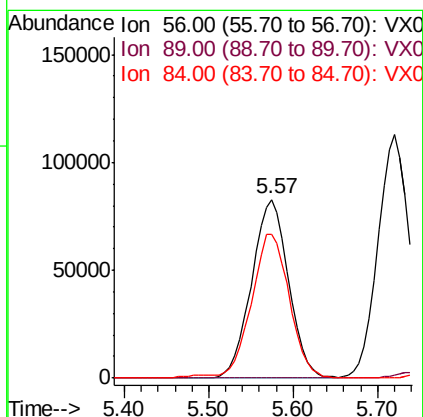
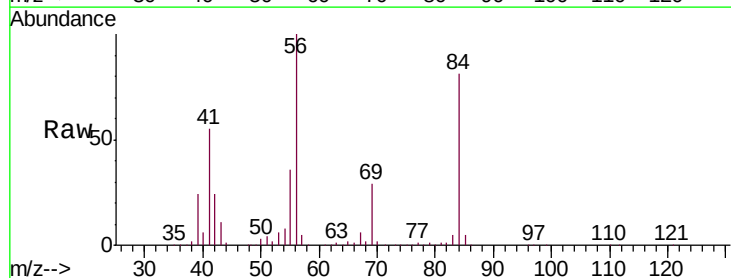
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

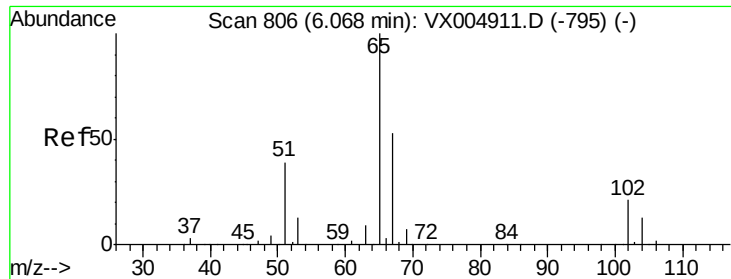
Tgt Ion: 83 Resp: 270819
Ion Ratio Lower Upper
83 100
85 64.7 53.1 79.7



#26
Cyclohexane
Concen: 50.616 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion: 56 Resp: 248873
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 82.7 65.8 98.6

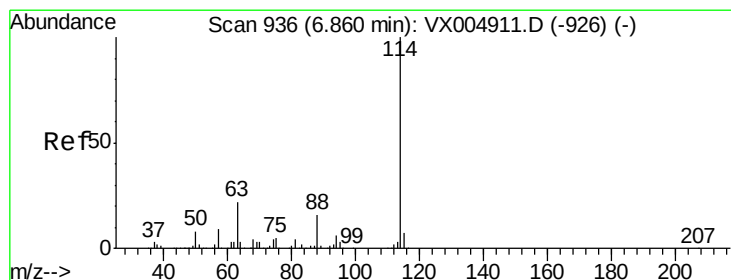
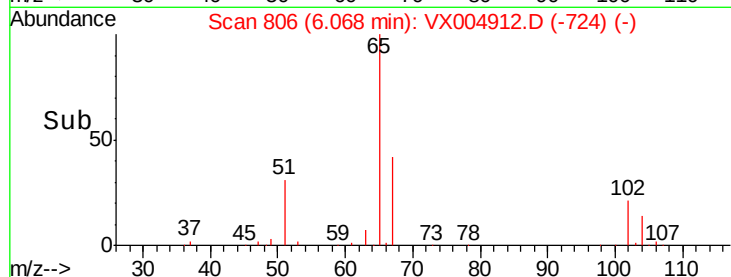
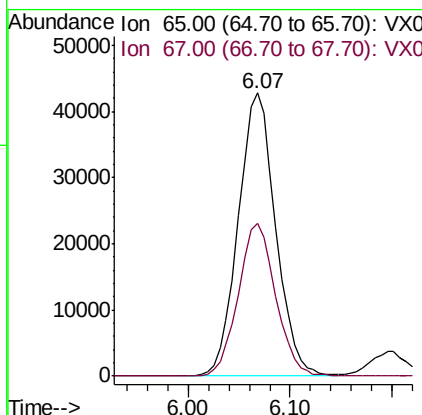
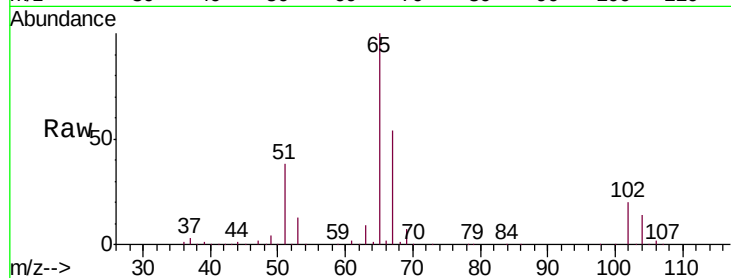




#27
 1,2-Dichloroethane-d4
 Concen: 29.954 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

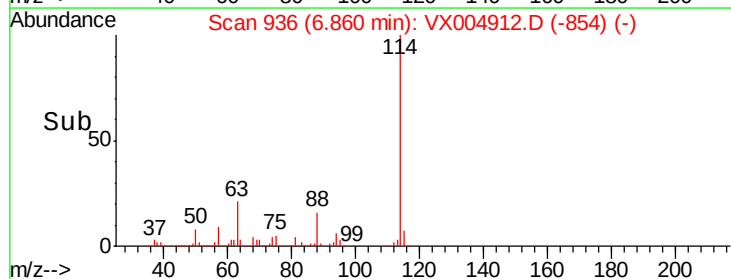
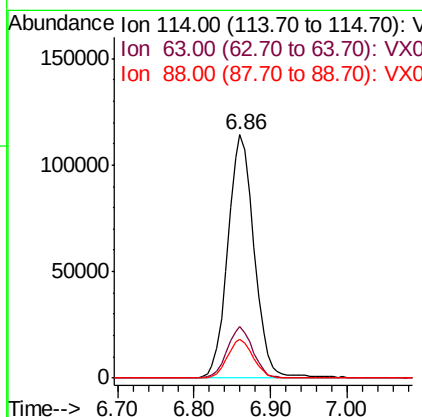
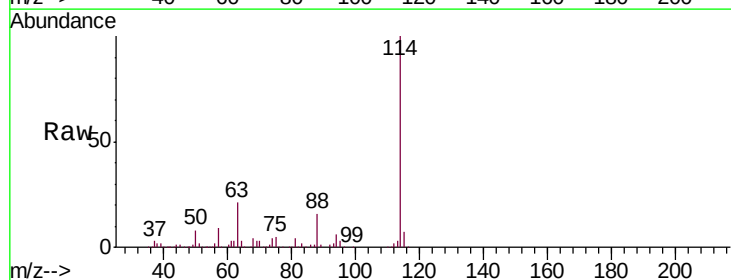
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

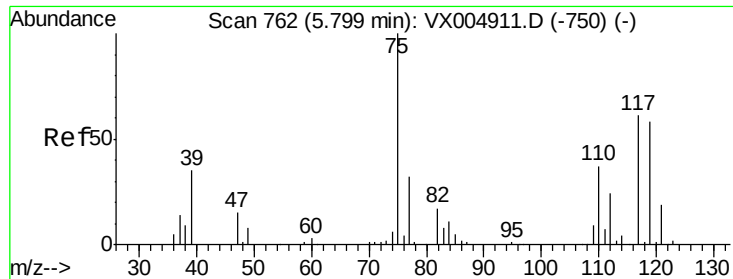
Tgt Ion: 65 Resp: 109097
 Ion Ratio Lower Upper
 65 100
 67 54.0 43.0 64.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion: 114 Resp: 272540
 Ion Ratio Lower Upper
 114 100
 63 20.6 16.6 24.8
 88 15.4 12.4 18.6

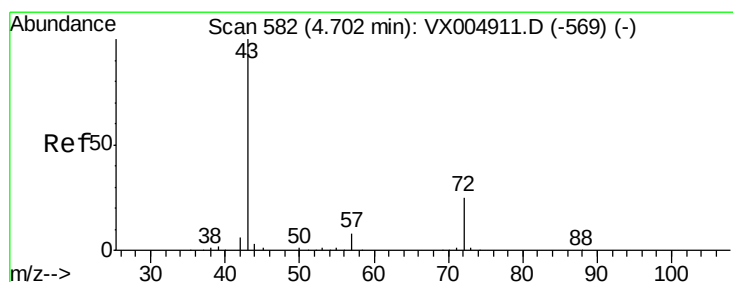
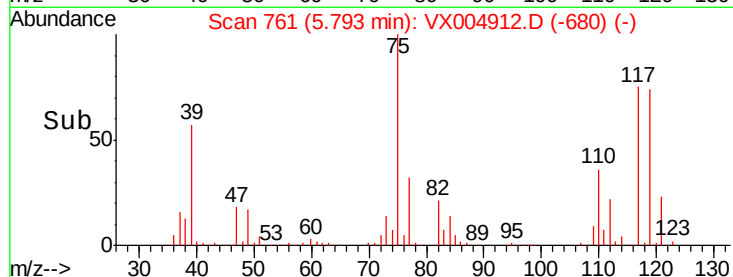
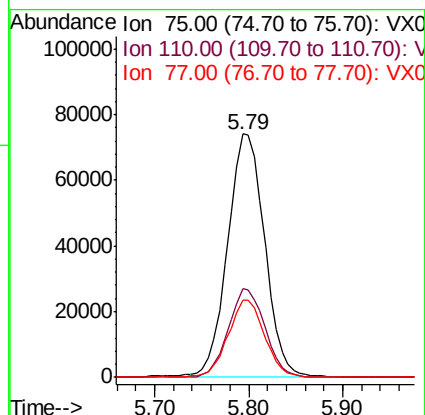
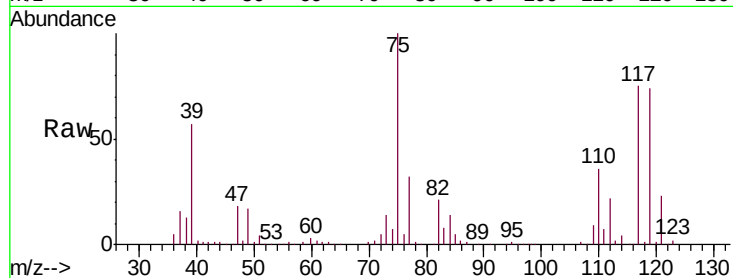




#29
 1,1-Dichloropropene
 Concen: 50.015 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

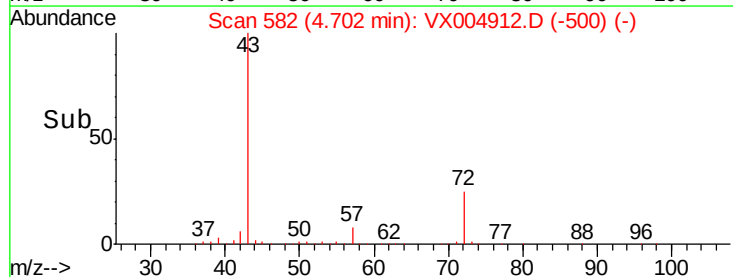
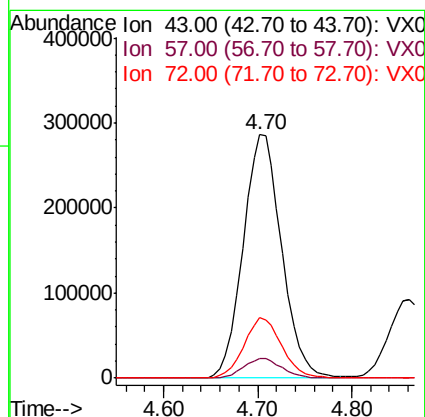
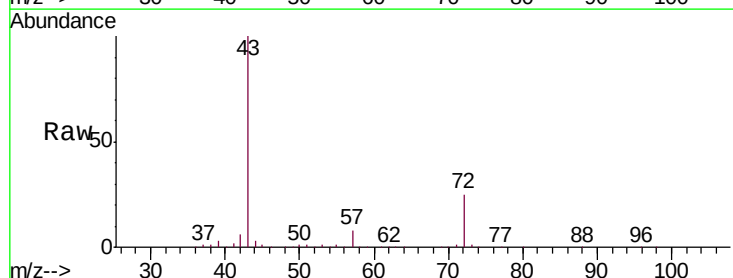
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

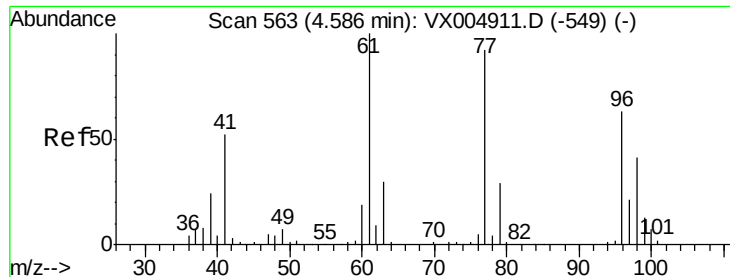
Tgt Ion: 75 Resp: 201710
 Ion Ratio Lower Upper
 75 100
 110 36.2 0.0 70.8
 77 31.6 0.0 63.0



#30
 2-Butanone
 Concen: 249.003 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion: 43 Resp: 816463
 Ion Ratio Lower Upper
 43 100
 57 7.9 6.2 9.4
 72 24.3 19.7 29.5





#31

2,2-Dichloropropane

Concen: 49.498 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

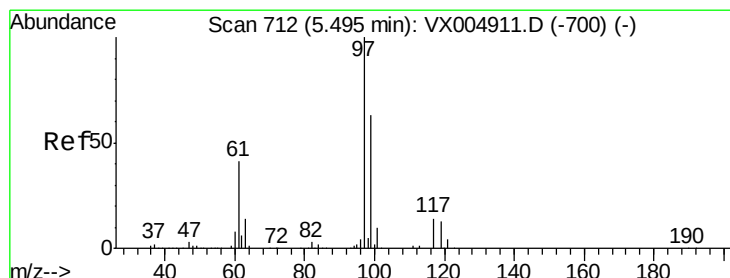
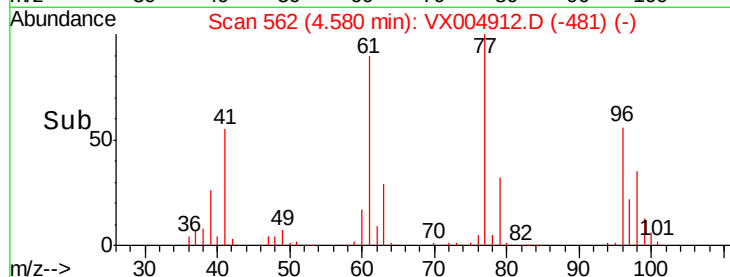
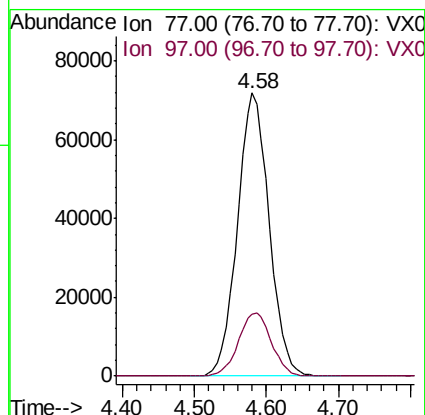
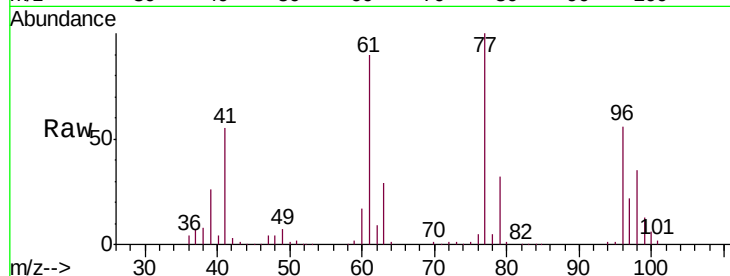
VSTDIC050

Tgt Ion: 77 Resp: 219020

Ion Ratio Lower Upper

77 100

97 23.2 18.5 27.7



#32

1,1,1-Trichloroethane

Concen: 50.003 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

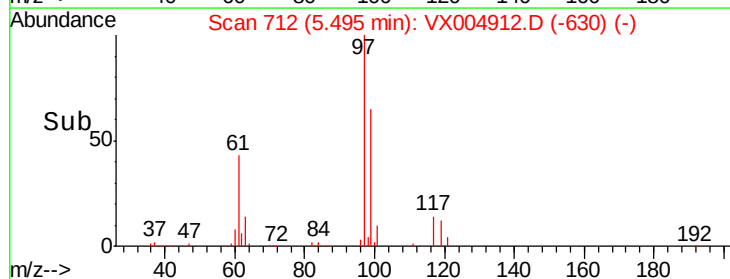
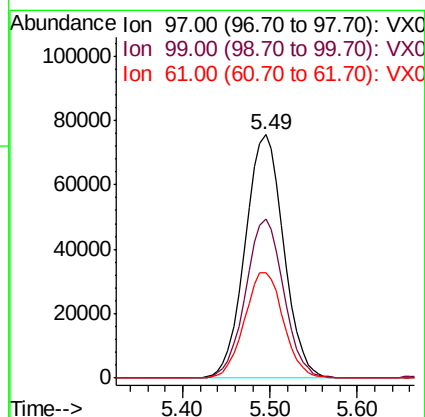
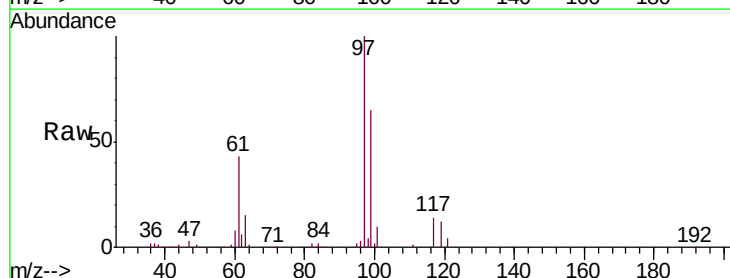
Tgt Ion: 97 Resp: 231814

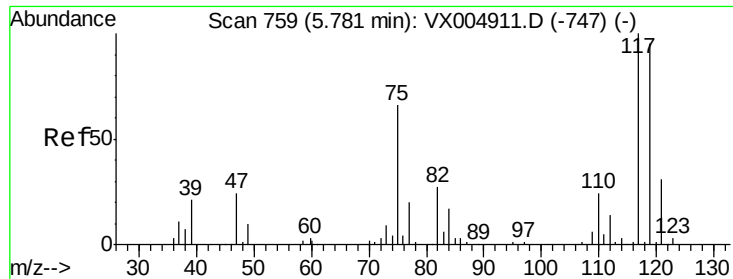
Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.6

61 43.9 35.8 53.6

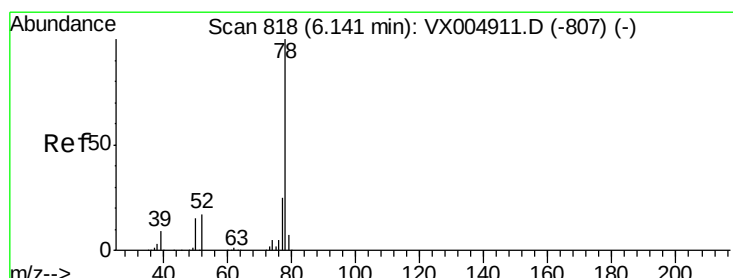
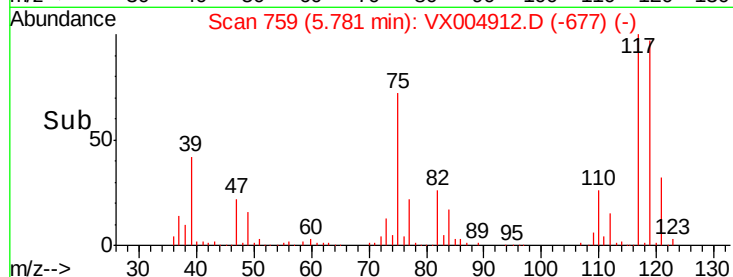
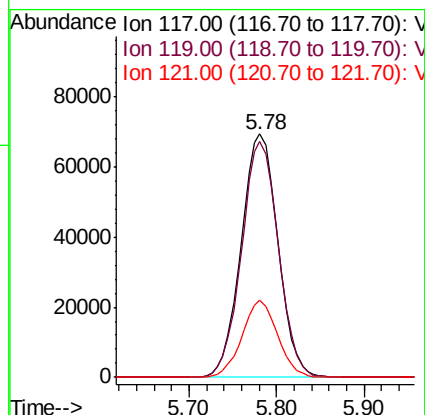
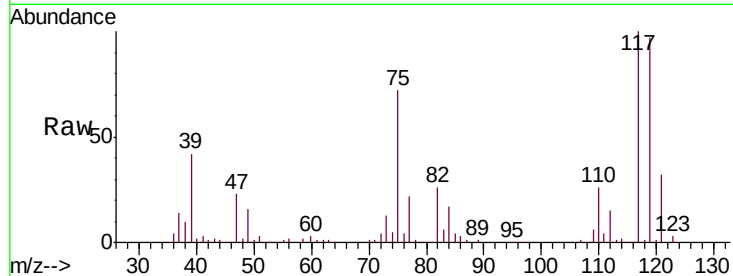




#33
Carbon Tetrachloride
Concen: 49.919 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

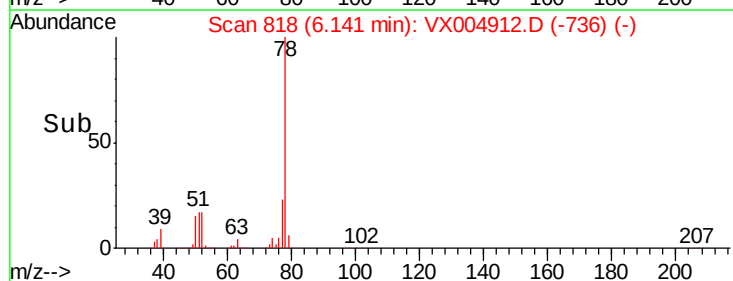
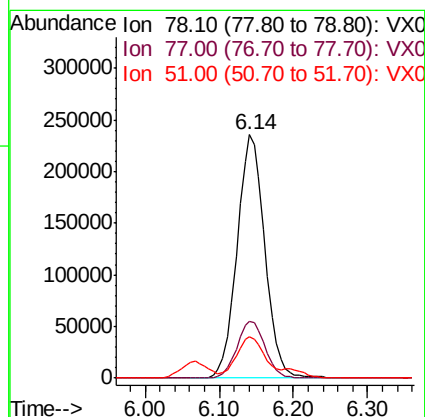
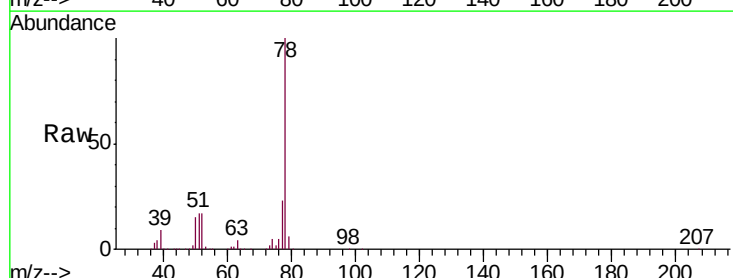
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

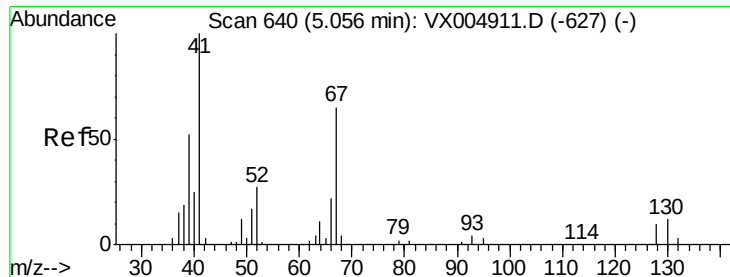
Tgt Ion: 117 Resp: 203248
Ion Ratio Lower Upper
117 100
119 96.8 76.2 114.4
121 32.0 25.2 37.8



#34
Benzene
Concen: 50.204 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion: 78 Resp: 614416
Ion Ratio Lower Upper
78 100
77 23.5 19.8 29.8
51 16.7 13.8 20.6

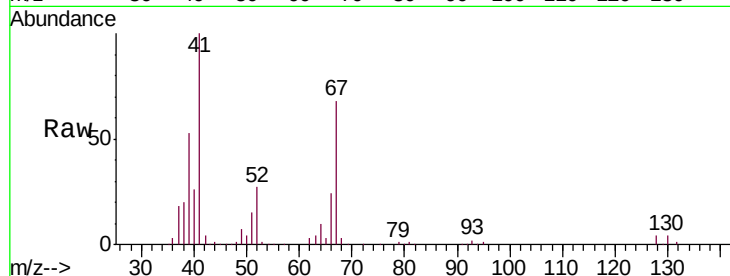




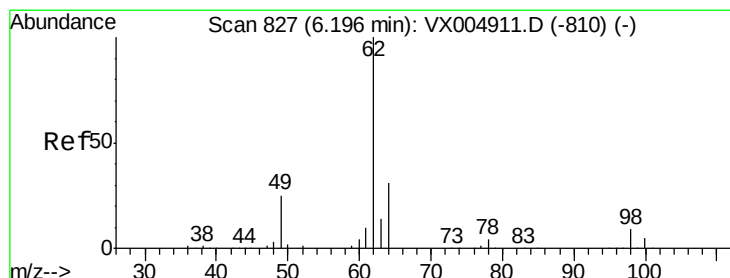
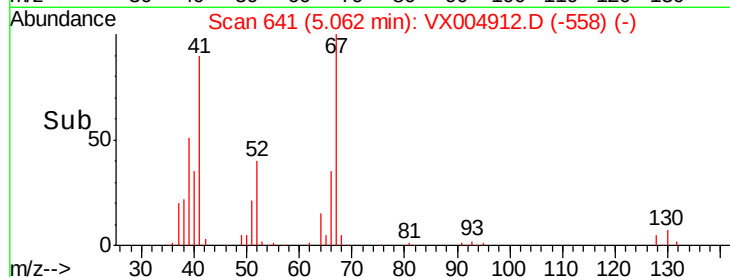
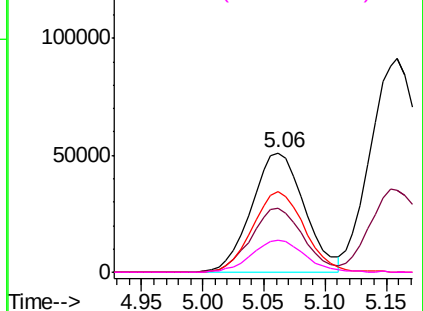
#35
Methacrylonitrile
Concen: 50.348 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion:	41	Resp:	153419
Ion	Ratio	Lower	Upper
41	100		
39	53.3	26.1	78.3
67	67.9	32.3	96.9
52	27.2	13.5	40.5

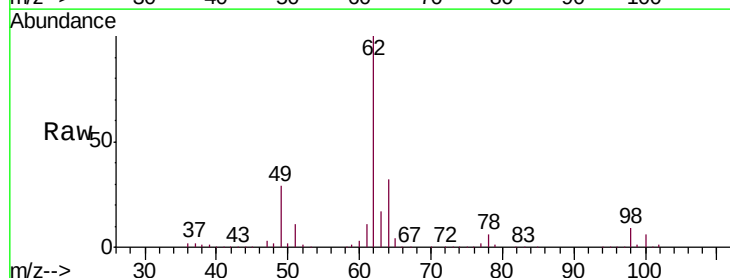


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

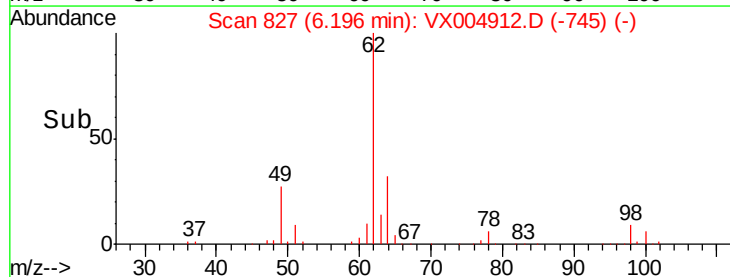
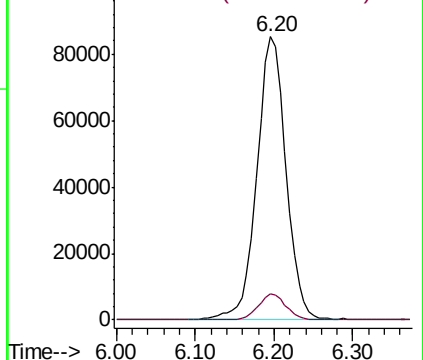


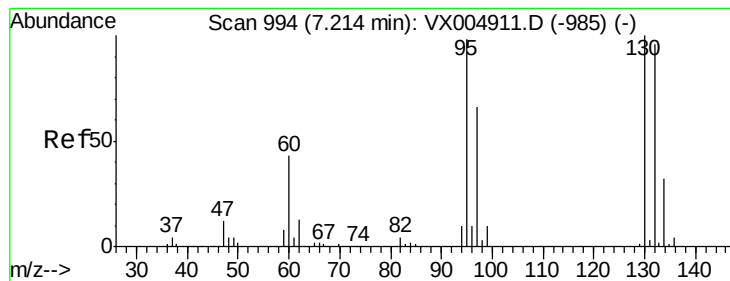
#36
1,2-Dichloroethane
Concen: 49.792 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion:	62	Resp:	219529
Ion	Ratio	Lower	Upper
62	100		
98	8.8	7.5	11.3



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 49.870 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

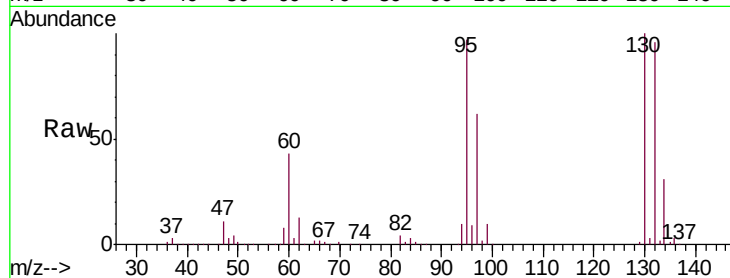
VSTDIC050

Tgt Ion:130 Resp: 160767

Ion Ratio Lower Upper

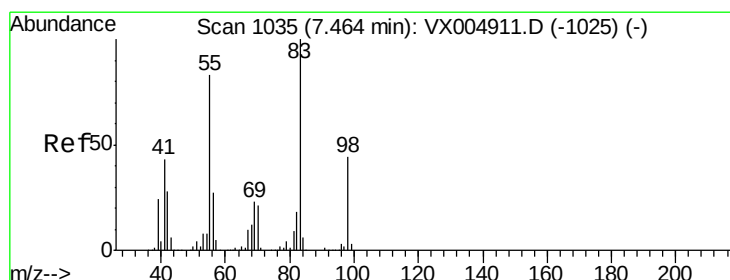
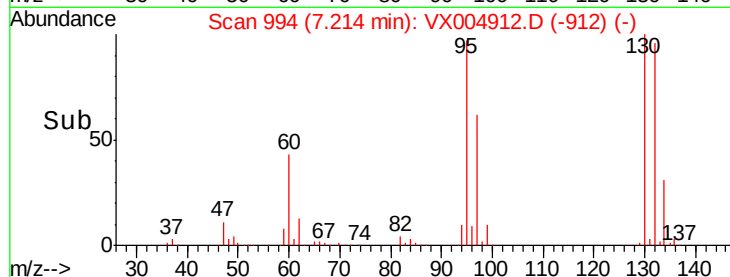
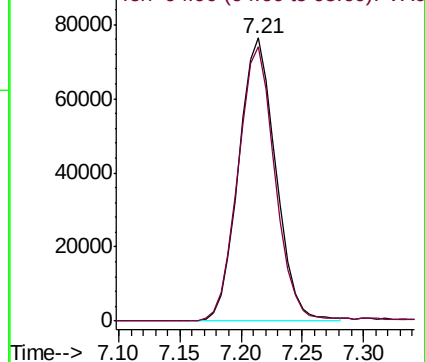
130 100

95 97.2 78.5 117.7



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 50.572 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

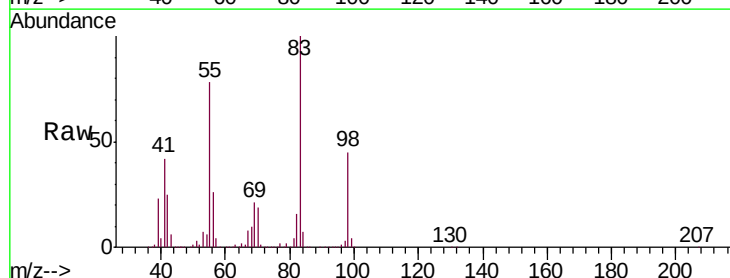
Tgt Ion: 83 Resp: 242148

Ion Ratio Lower Upper

83 100

55 80.7 41.8 125.3

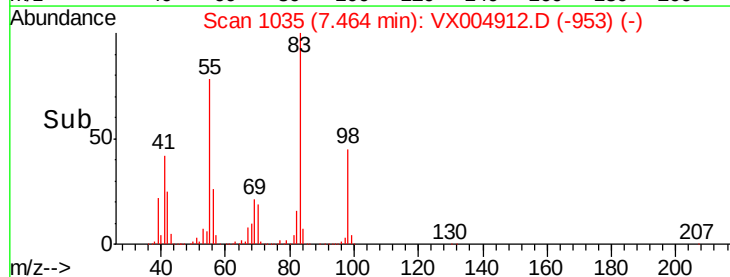
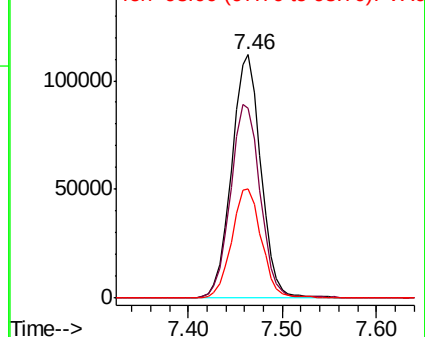
98 45.8 22.4 67.3

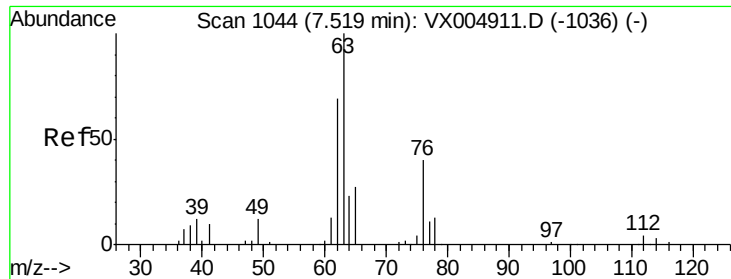


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

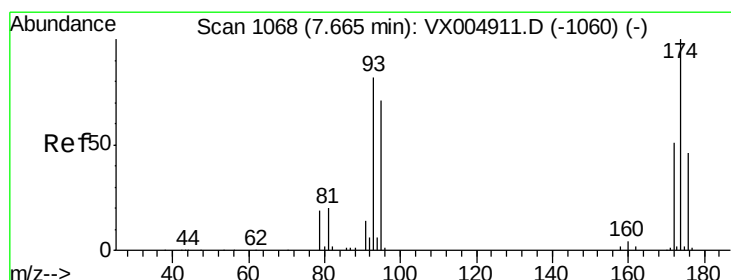
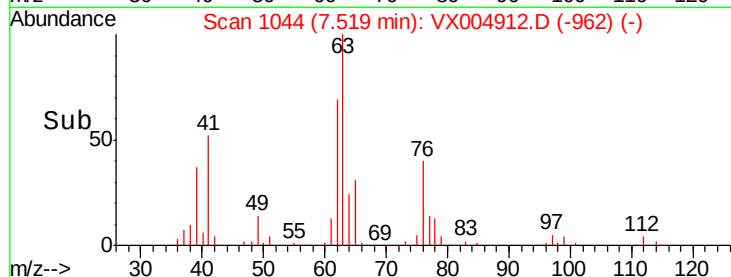
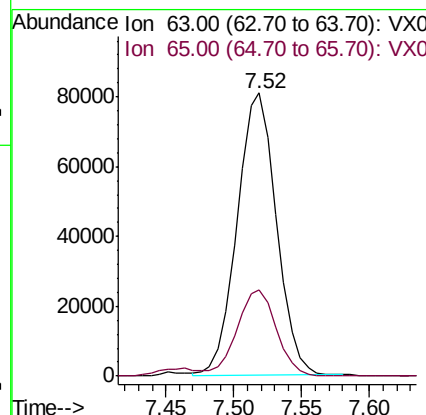
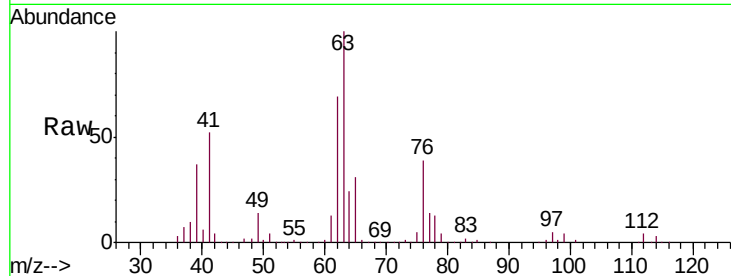




#39
 1,2-Dichloropropane
 Concen: 50.009 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

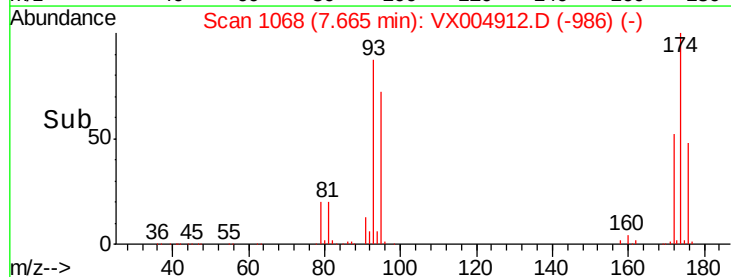
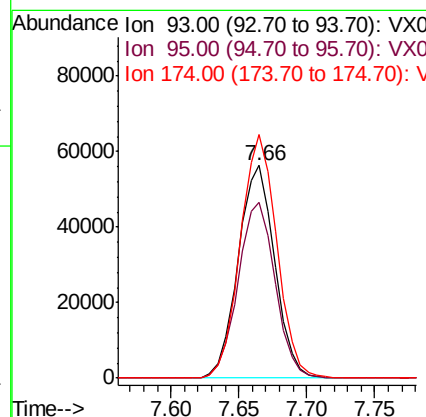
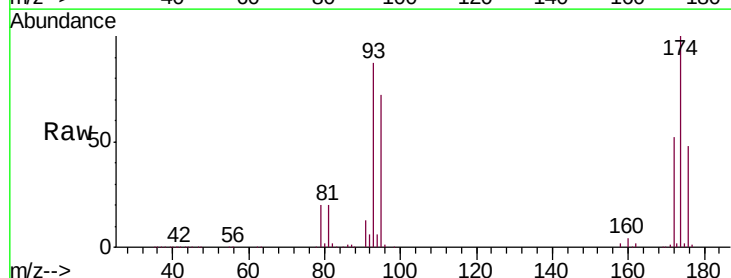
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

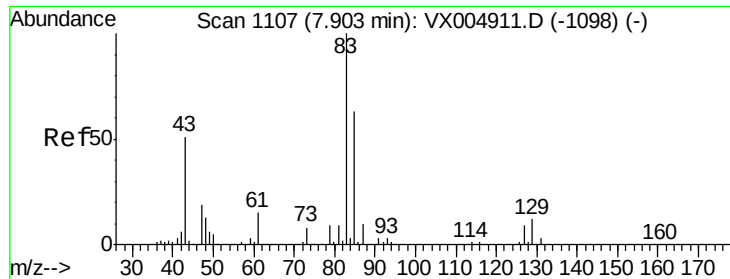
Tgt Ion: 63 Resp: 163072
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.2 34.8



#40
 Dibromomethane
 Concen: 50.083 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion: 93 Resp: 105850
 Ion Ratio Lower Upper
 93 100
 95 83.7 0.0 172.4
 174 114.5 0.0 234.0





#41

Bromodichloromethane

Concen: 50.044 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

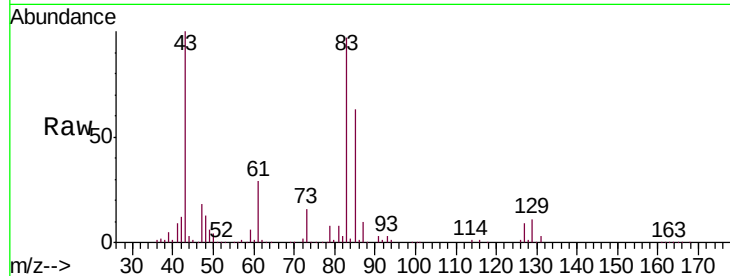
Tgt Ion: 83 Resp: 203901

Ion Ratio Lower Upper

83 100

85 64.4 50.2 75.4

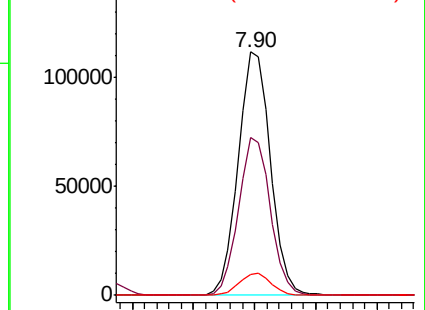
127 8.7 6.9 10.3



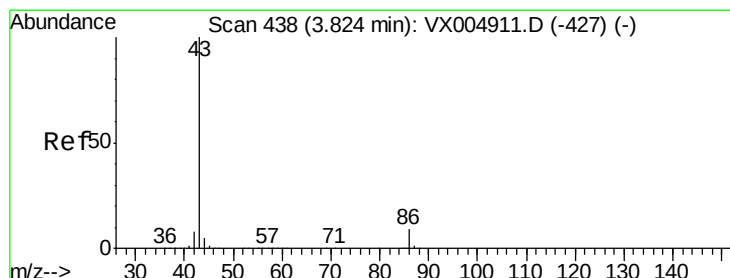
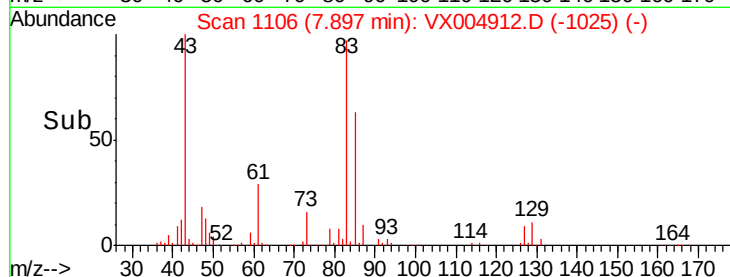
Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



Time-->



#42

Vinyl Acetate

Concen: 248.685 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX004912.D

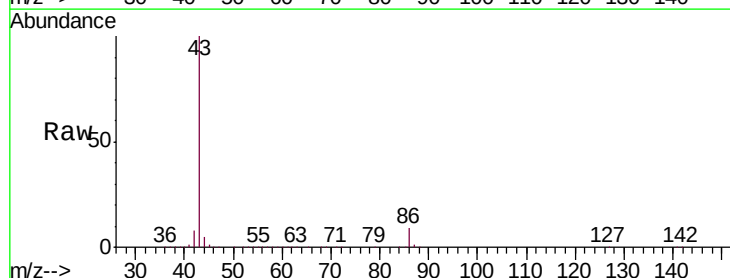
Acq: 02 Oct 2018 10:58

Tgt Ion: 43 Resp: 2359102

Ion Ratio Lower Upper

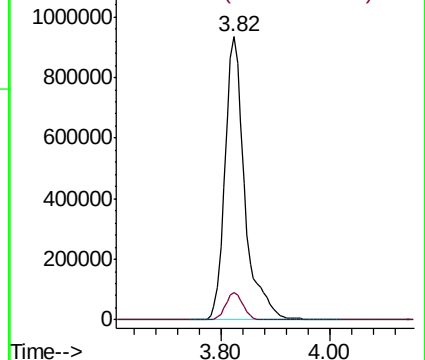
43 100

86 8.5 6.6 10.0

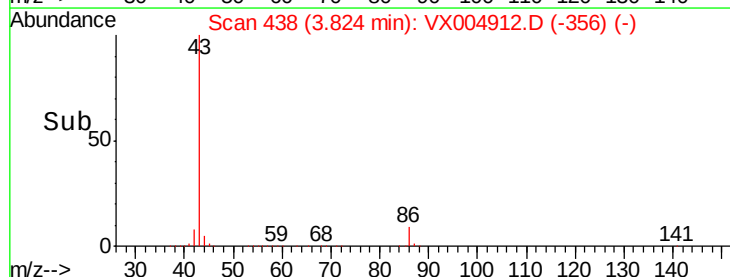


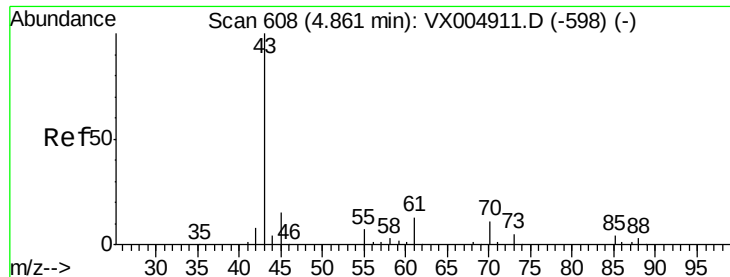
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->





#43

Ethyl Acetate

Concen: 50.568 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

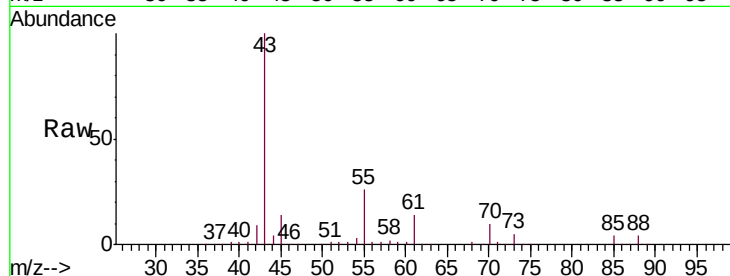
VSTDIC050

Tgt Ion: 43 Resp: 273516

Ion Ratio Lower Upper

43 100

45 15.0 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

300000

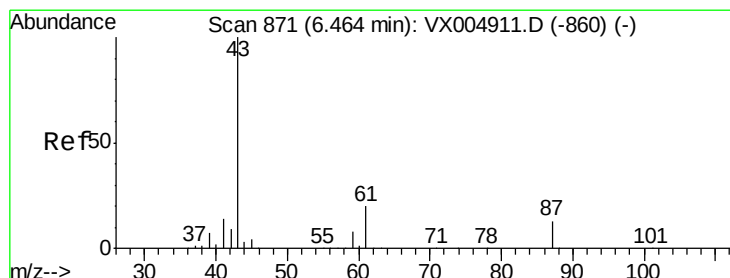
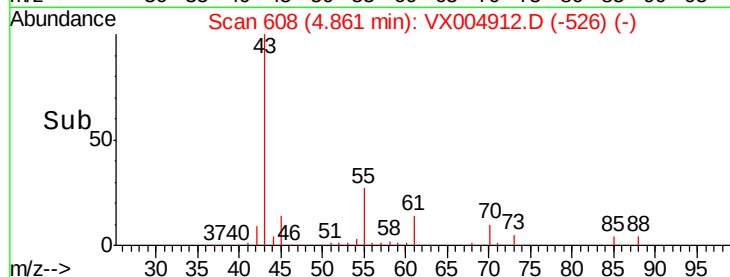
200000

100000

0

4.80 4.90 5.00

Time-->



#44

Isopropyl Acetate

Concen: 50.266 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004912.D

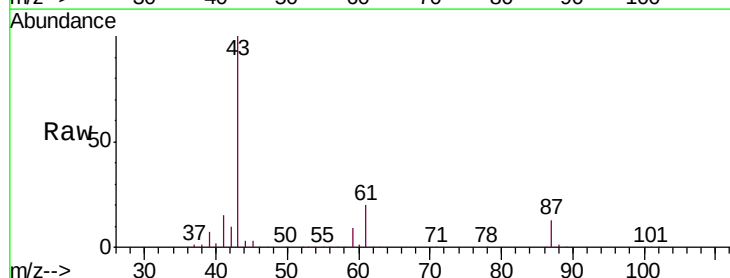
Acq: 02 Oct 2018 10:58

Tgt Ion: 43 Resp: 405732

Ion Ratio Lower Upper

43 100

61 19.8 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

150000

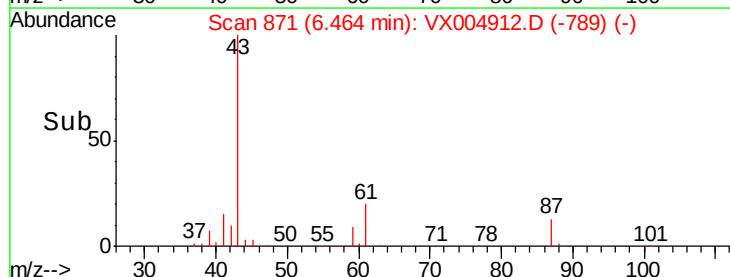
100000

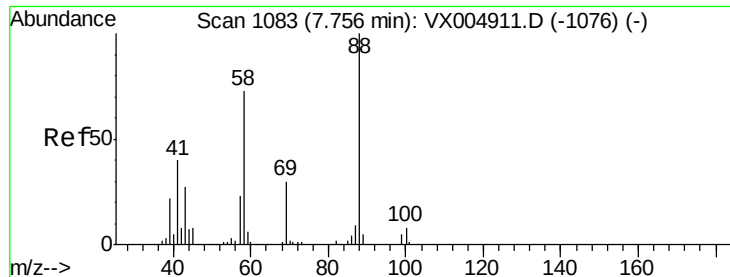
50000

0

6.40 6.50 6.60

Time-->

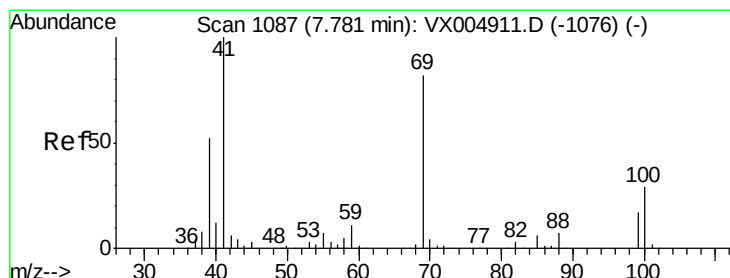
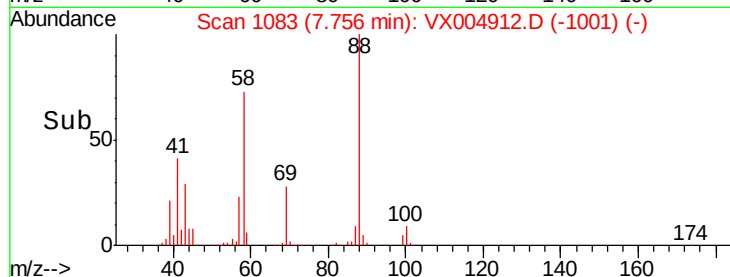
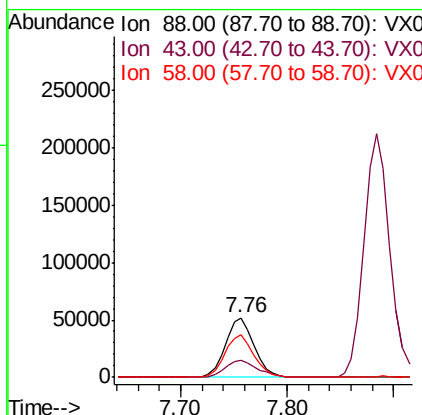
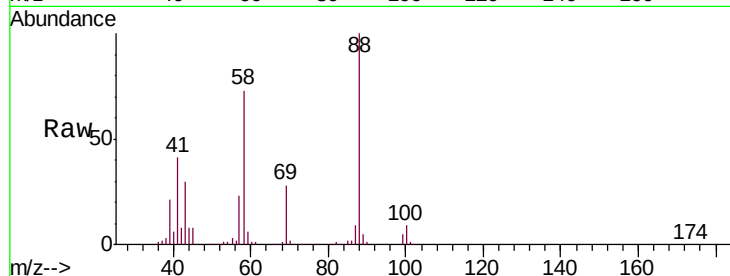




#45
 1,4-Dioxane
 Concen: 1025.036 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

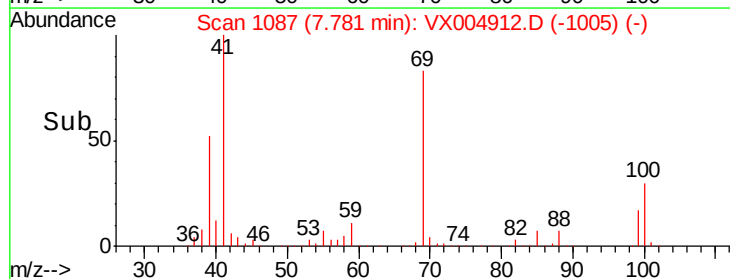
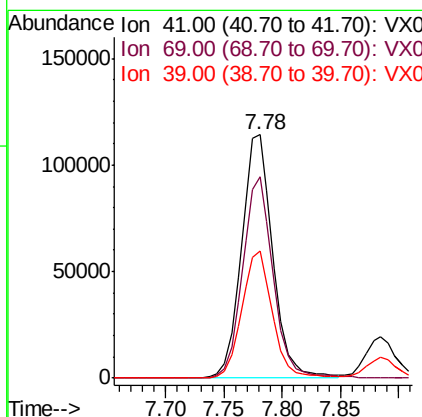
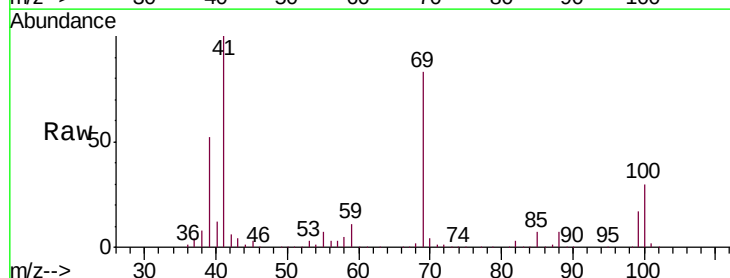
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

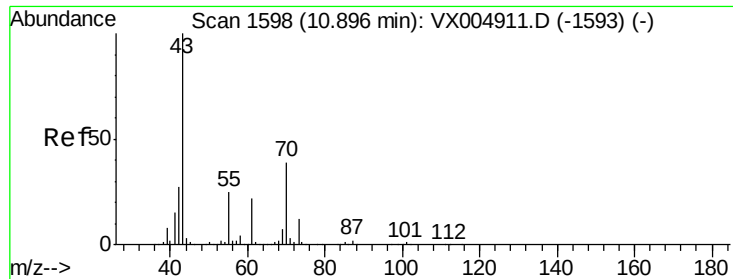
Tgt Ion: 88 Resp: 97477
 Ion Ratio Lower Upper
 88 100
 43 32.1 25.4 38.0
 58 73.4 61.0 91.6



#46
 Methyl methacrylate
 Concen: 50.813 ug/l
 RT: 7.78 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion: 41 Resp: 212795
 Ion Ratio Lower Upper
 41 100
 69 82.8 41.0 123.0
 39 52.0 25.9 77.7





#47

n-amyI Acetate

Concen: 49.727 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

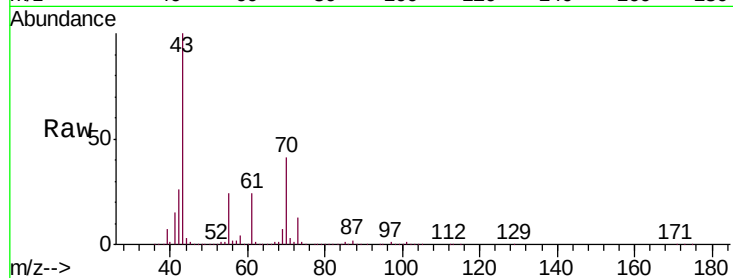
VSTDIC050

Tgt Ion: 43 Resp: 370318

Ion Ratio Lower Upper

43 100

55 24.4 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VX004911.D (-1593) (-)

Ion 55.00 (54.70 to 55.70): VX004911.D (-1593) (-)

10.90

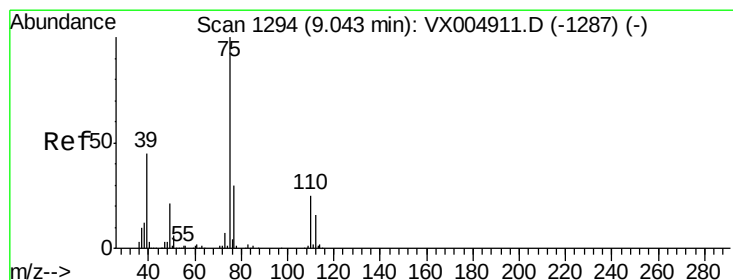
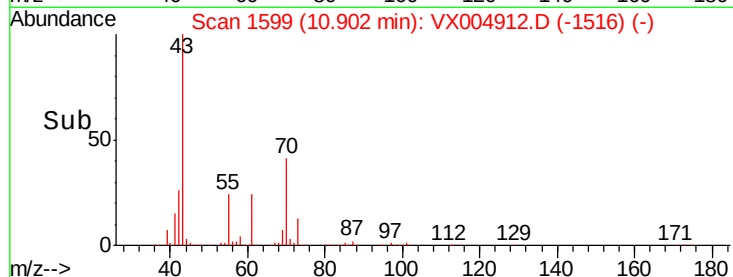
300000

200000

100000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 47.961 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX004912.D

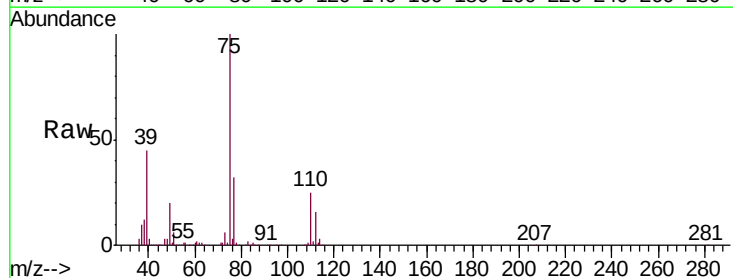
Acq: 02 Oct 2018 10:58

Tgt Ion: 75 Resp: 236807

Ion Ratio Lower Upper

75 100

77 31.5 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VX004911.D (-1287) (-)

Ion 77.00 (76.70 to 77.70): VX004911.D (-1287) (-)

9.04

200000

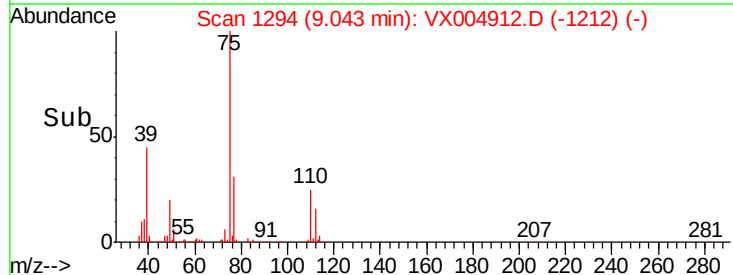
150000

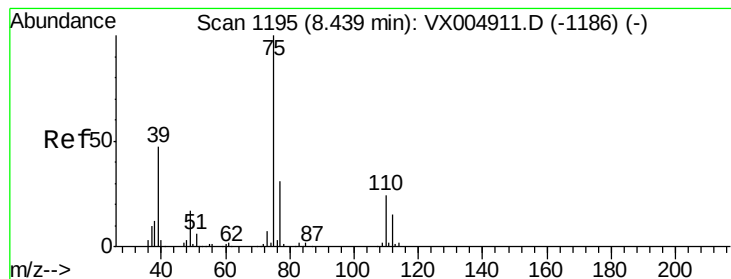
100000

50000

0

Time-->



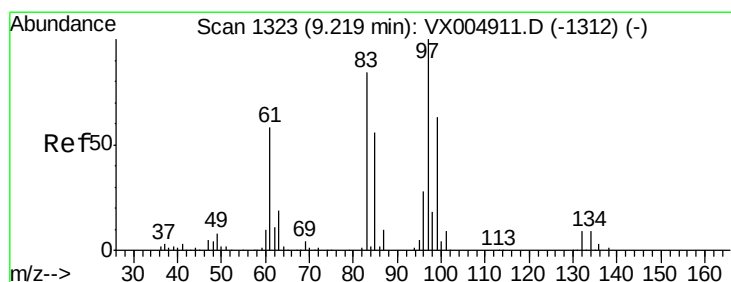
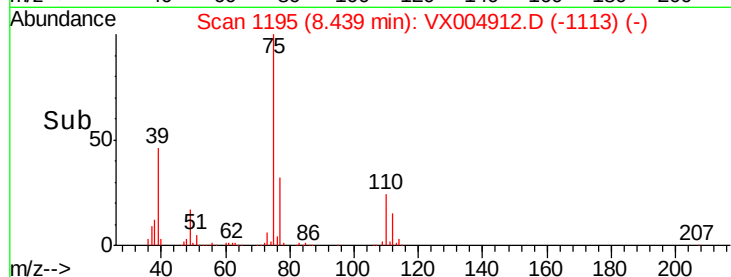
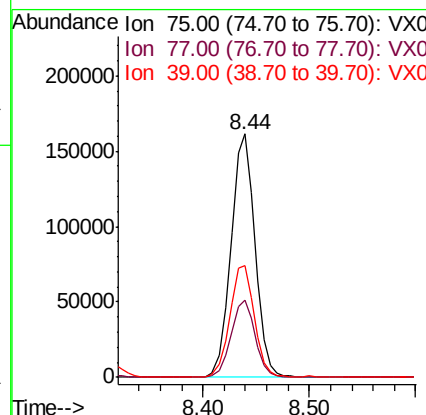
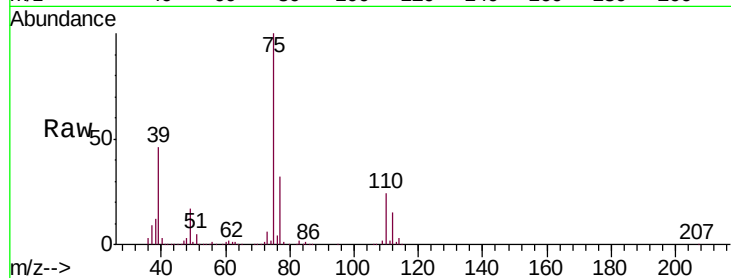


#49

cis-1,3-Dichloropropene
Concen: 53.394 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

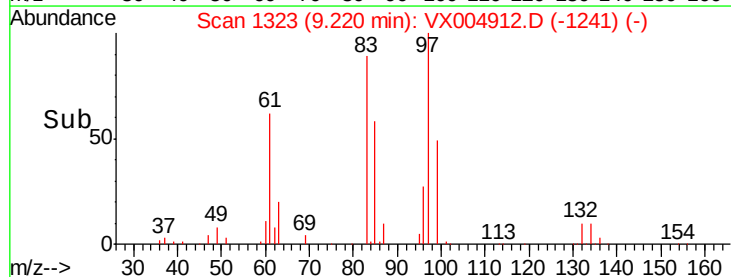
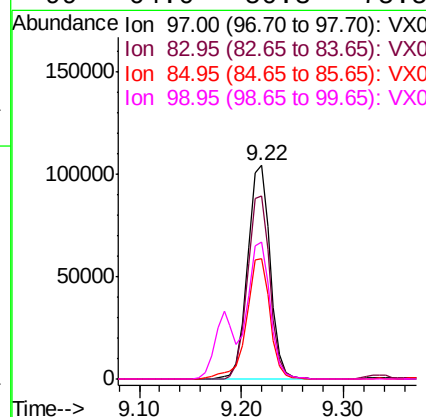
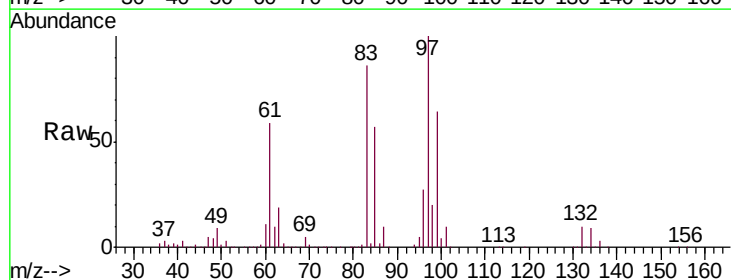
Tgt Ion: 75 Resp: 254980
Ion Ratio Lower Upper
75 100
77 31.8 24.9 37.3
39 45.6 38.0 57.0

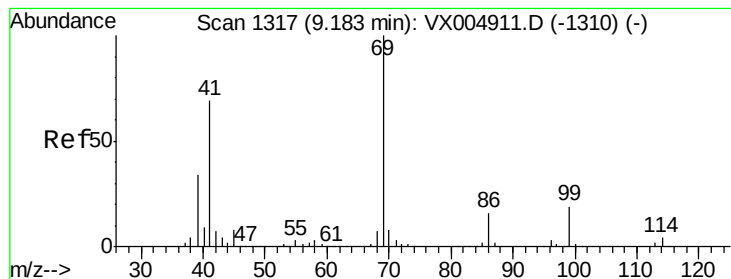


#50

1,1,2-Trichloroethane
Concen: 49.903 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion: 97 Resp: 159681
Ion Ratio Lower Upper
97 100
83 85.5 67.2 100.8
85 56.6 44.7 67.1
99 64.0 50.3 75.5





#51

Ethyl methacrylate

Concen: 50.805 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

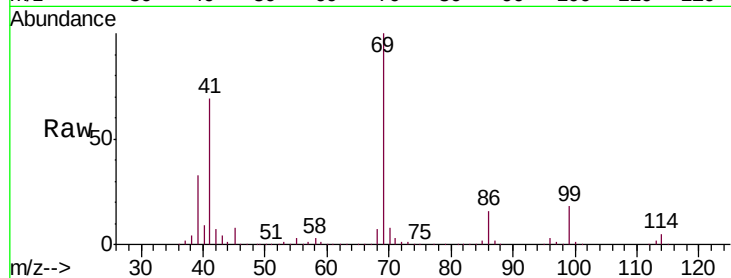
Tgt Ion: 69 Resp: 257995

Ion Ratio Lower Upper

69 100

41 68.7 34.6 103.9

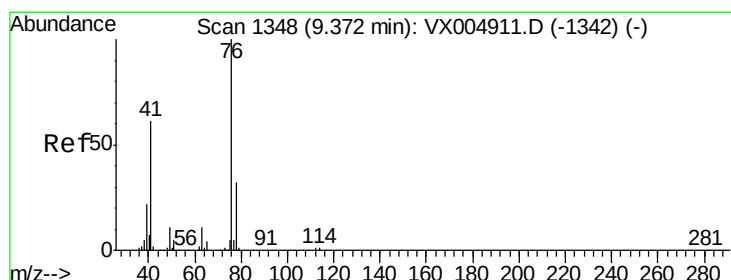
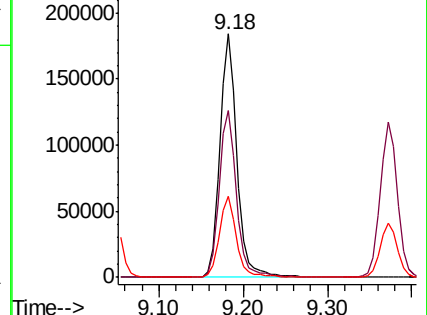
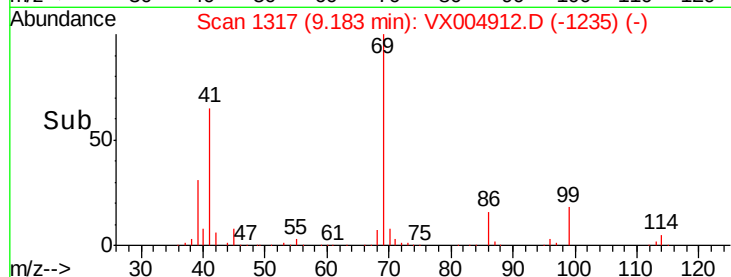
39 33.4 17.0 51.0



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



#52

1,3-Dichloropropane

Concen: 49.770 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004912.D

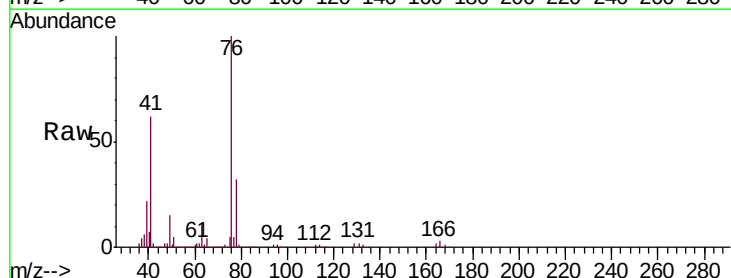
Acq: 02 Oct 2018 10:58

Tgt Ion: 76 Resp: 268670

Ion Ratio Lower Upper

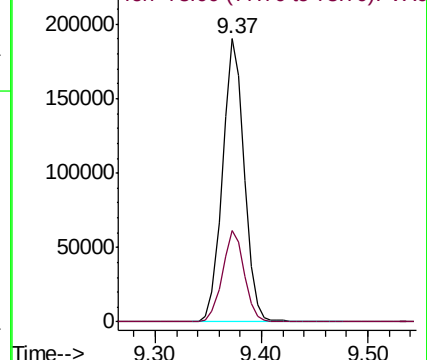
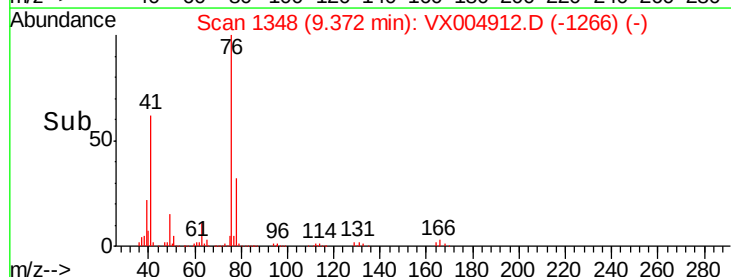
76 100

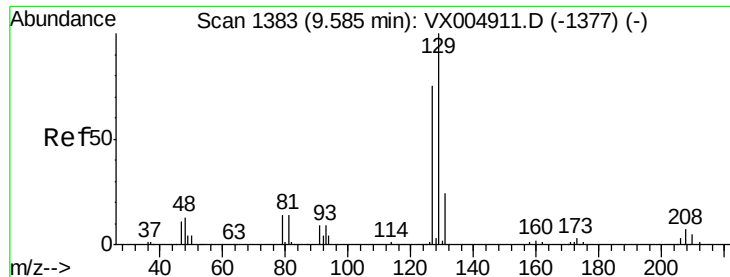
78 32.4 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 50.037 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

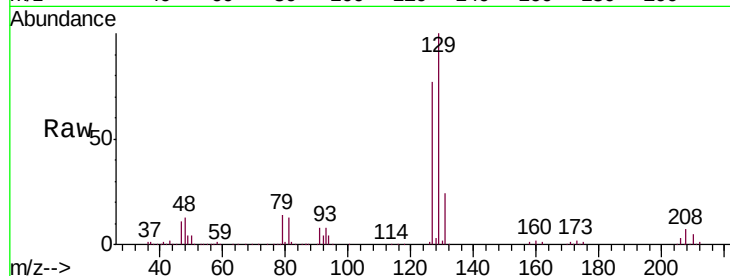
VSTDIC050

Tgt Ion:129 Resp: 166111

Ion Ratio Lower Upper

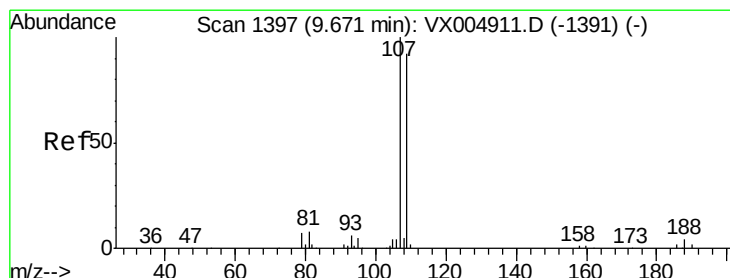
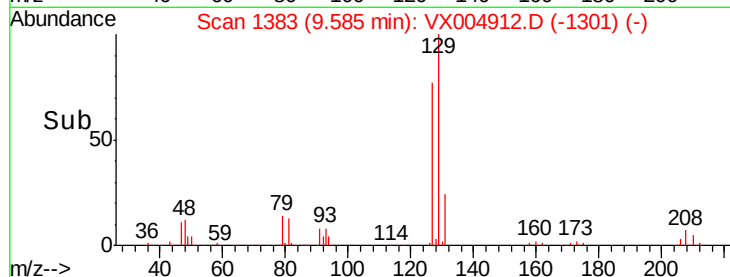
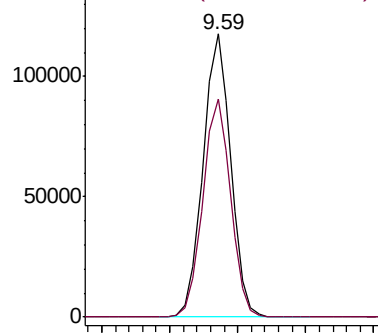
129 100

127 77.5 38.3 114.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 49.666 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX004912.D

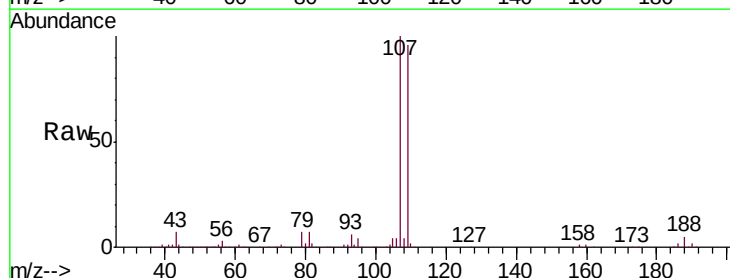
Acq: 02 Oct 2018 10:58

Tgt Ion:107 Resp: 165620

Ion Ratio Lower Upper

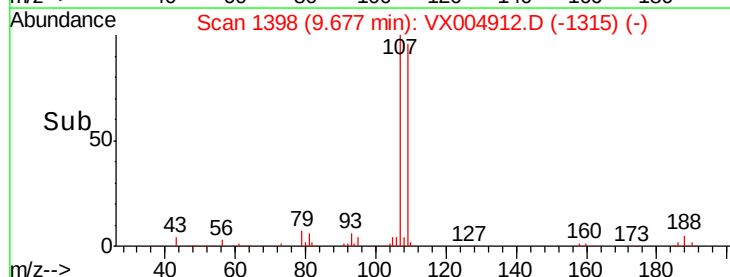
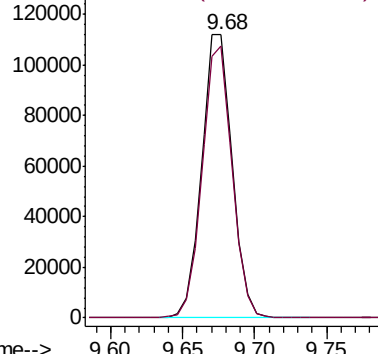
107 100

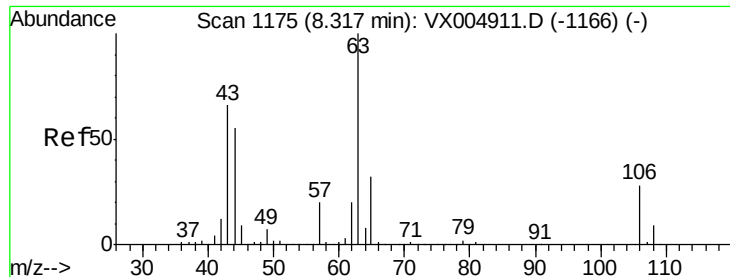
109 94.3 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

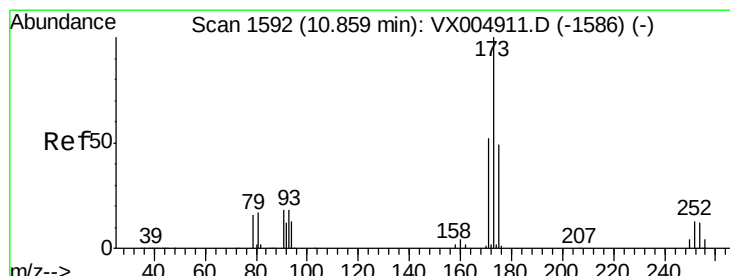
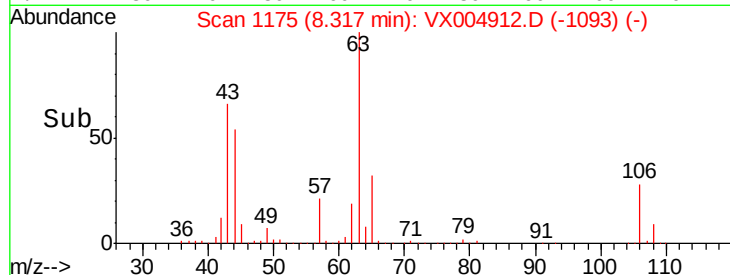
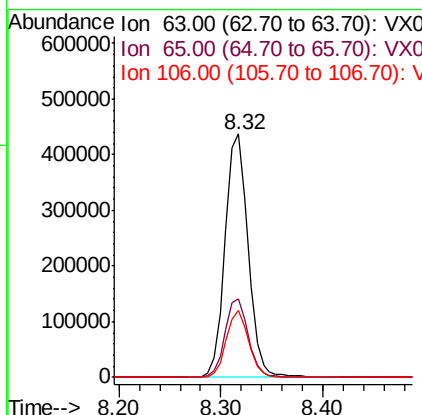
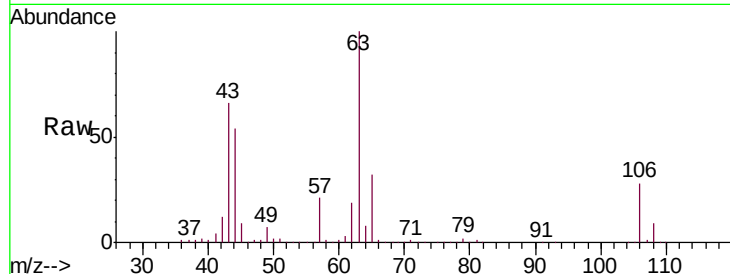




#55
 2-Chloroethyl vinyl ether
 Concen: 256.467 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

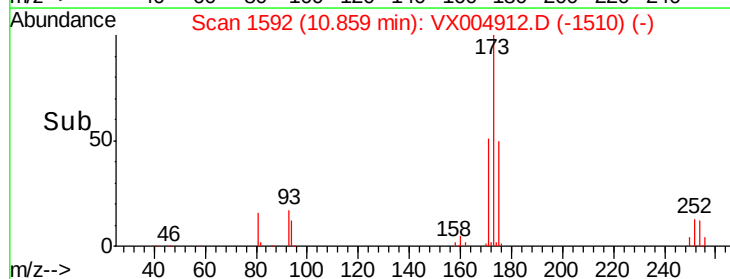
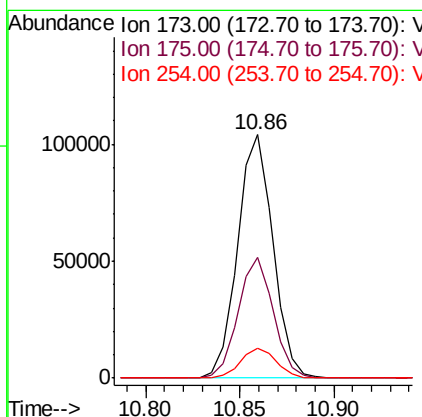
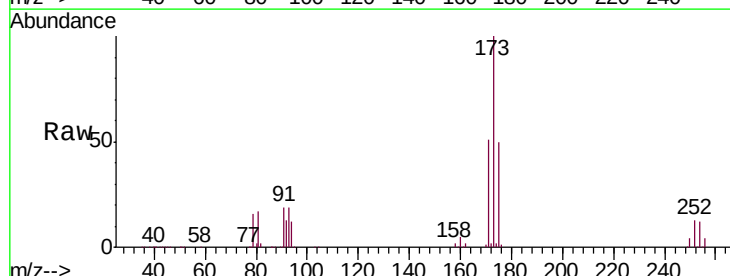
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

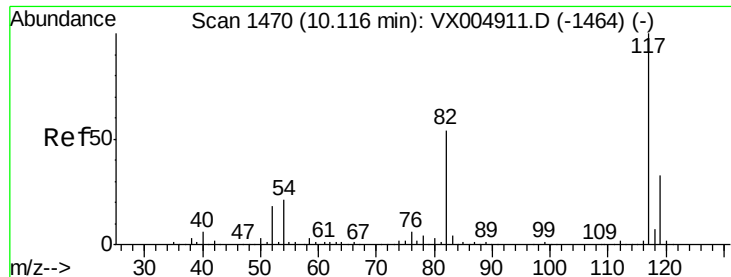
Tgt Ion: 63 Resp: 687226
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.9 38.9
 106 26.7 21.8 32.6



#56
 Bromoform
 Concen: 48.668 ug/l
 RT: 10.86 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion: 173 Resp: 134927
 Ion Ratio Lower Upper
 173 100
 175 49.6 39.7 59.5
 254 12.6 9.6 14.4

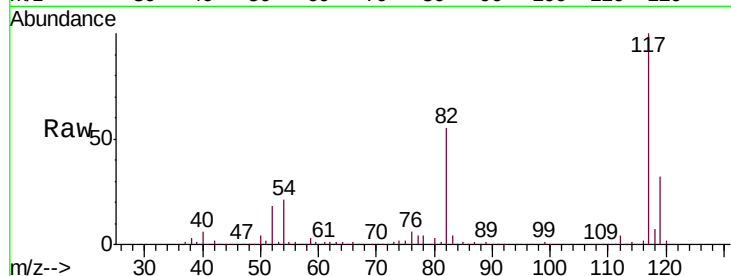




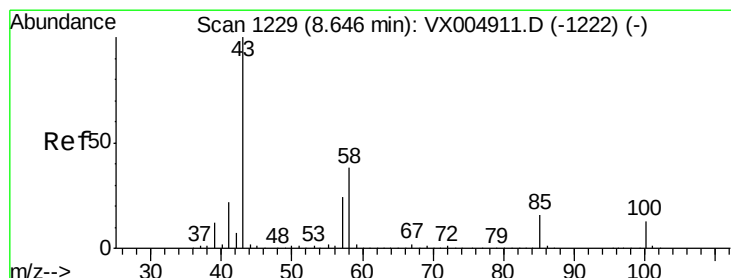
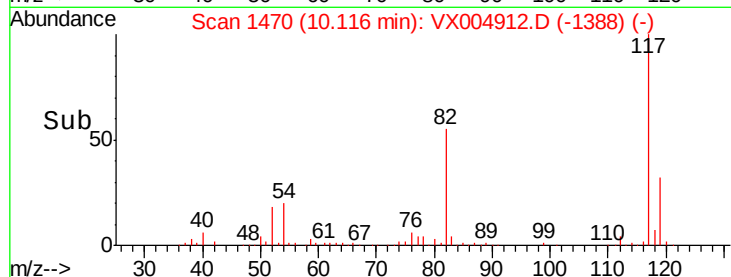
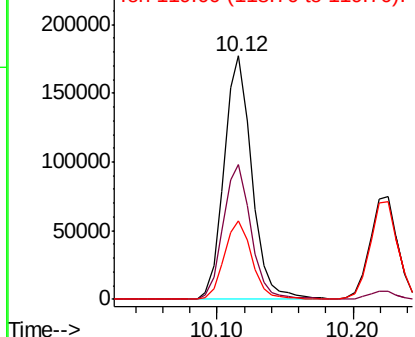
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 117 Resp: 252419
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.4
119 32.2 25.8 38.6

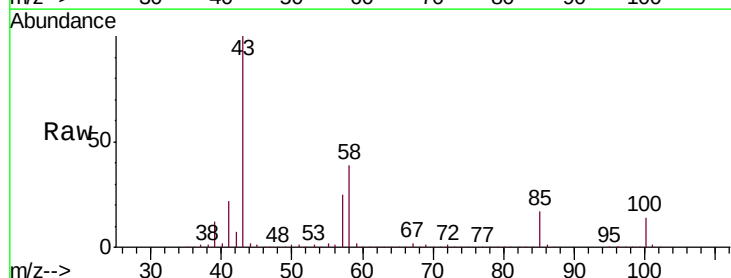


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

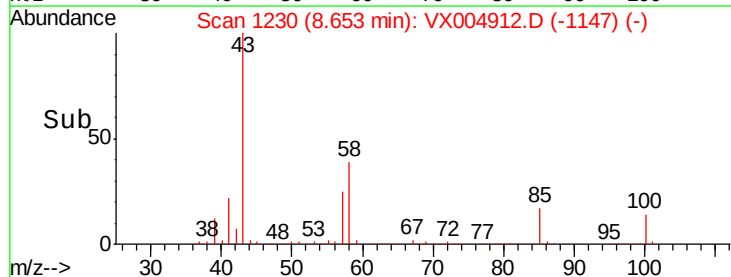
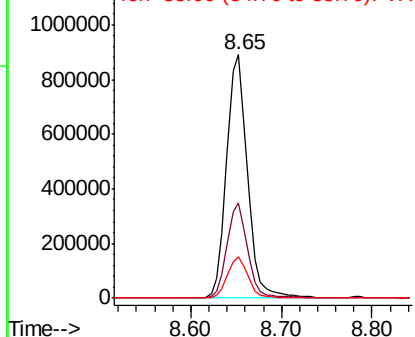


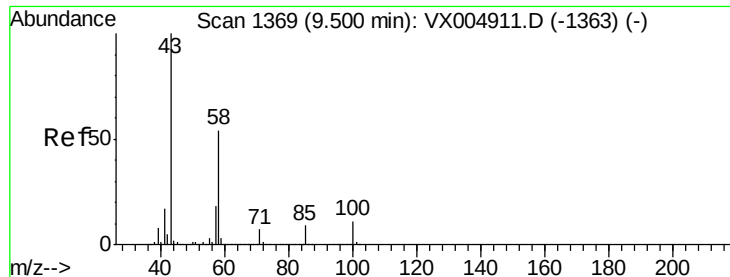
#58
4-Methyl-2-Pentanone
Concen: 253.051 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion: 43 Resp: 1434177
Ion Ratio Lower Upper
43 100
58 38.7 30.8 46.2
85 16.6 13.1 19.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

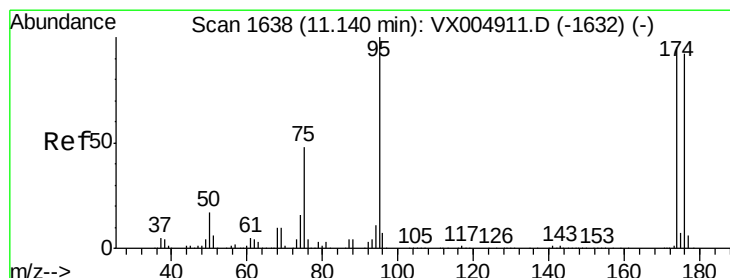
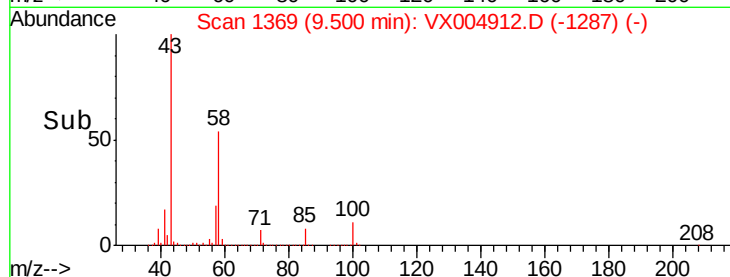
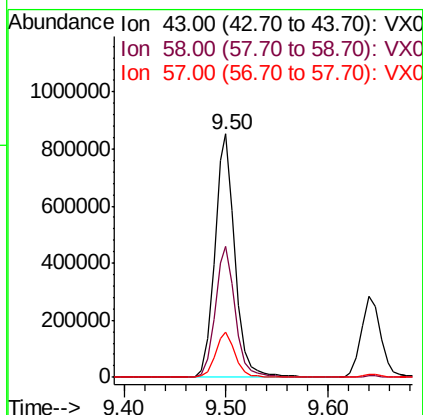
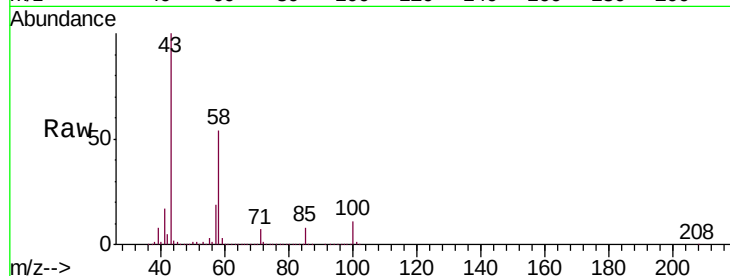




#59
2-Hexanone
Concen: 252.571 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

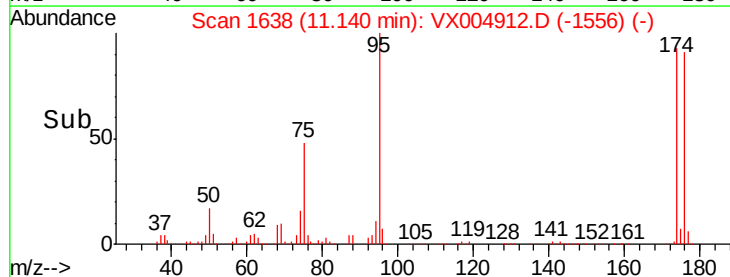
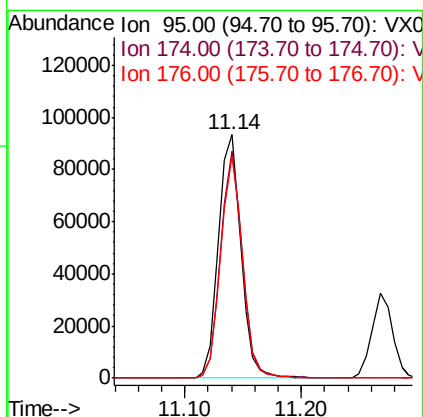
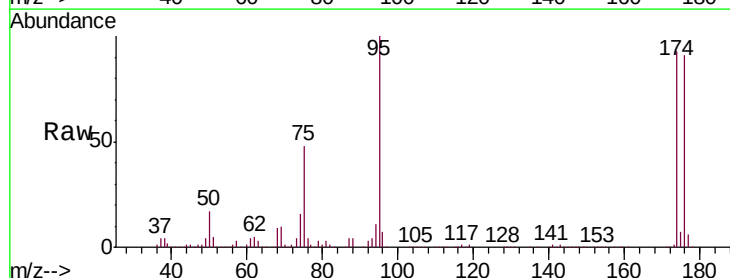
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

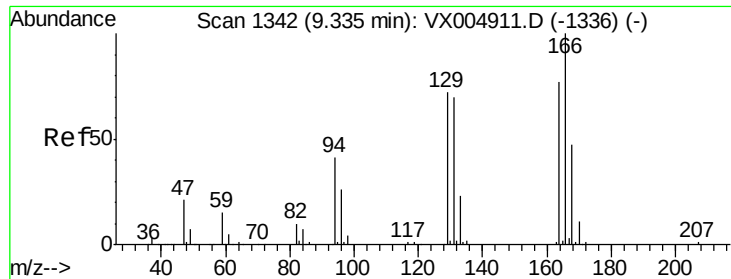
Tgt Ion: 43 Resp: 1179362
Ion Ratio Lower Upper
43 100
58 53.6 42.7 64.1
57 18.5 14.6 22.0



#60
4-Bromofluorobenzene
Concen: 29.761 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion: 95 Resp: 124867
Ion Ratio Lower Upper
95 100
174 90.5 73.1 109.7
176 88.2 71.0 106.6





#61

Tetrachloroethene

Concen: 50.846 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion:164 Resp: 156190

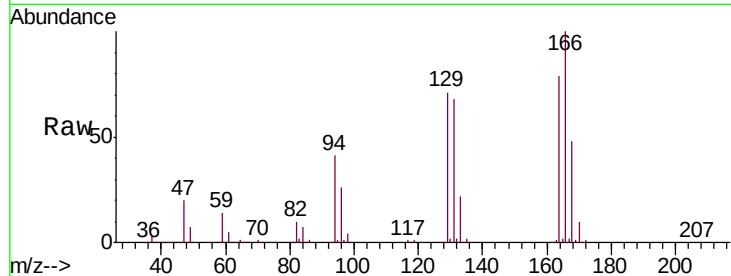
Ion Ratio Lower Upper

164 100

166 126.4 104.0 156.0

129 90.0 75.1 112.7

131 85.7 72.5 108.7

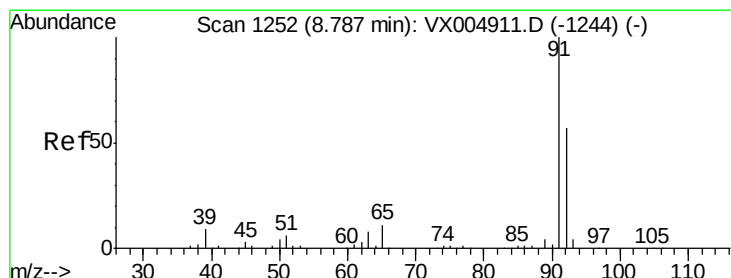
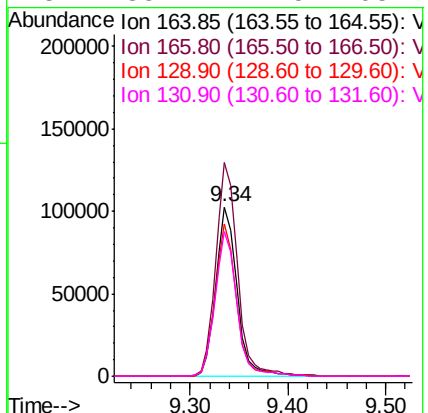
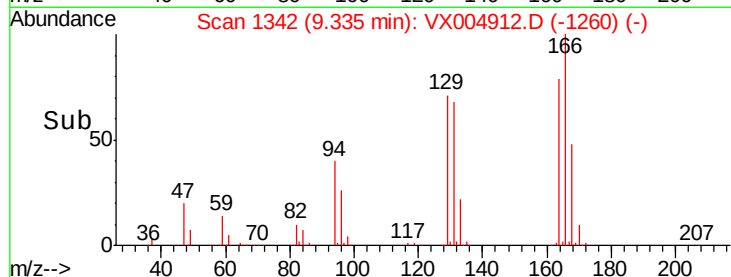


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 50.792 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004912.D

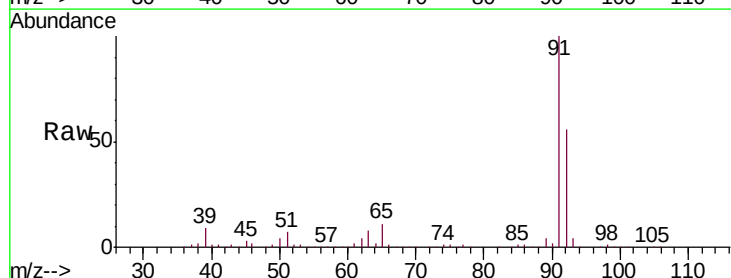
Acq: 02 Oct 2018 10:58

Tgt Ion: 91 Resp: 673797

Ion Ratio Lower Upper

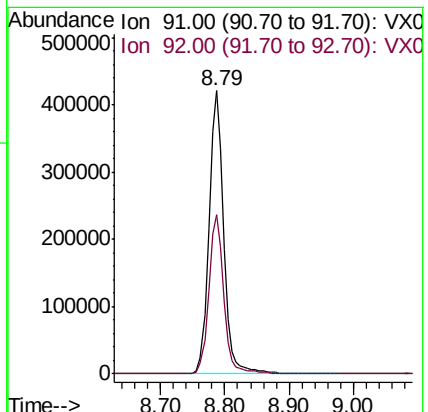
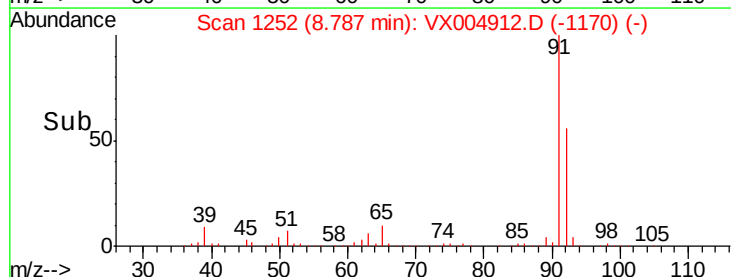
91 100

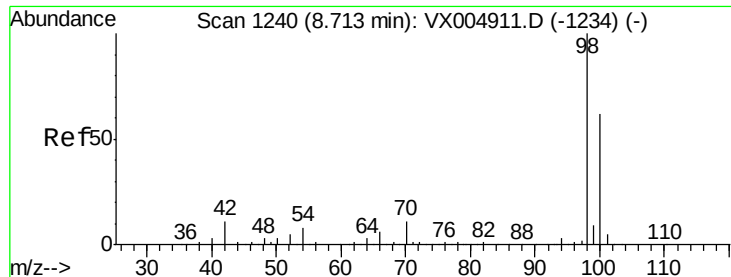
92 57.2 46.2 69.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.114 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

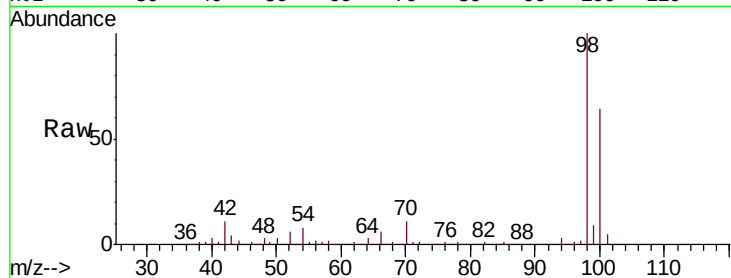
VSTDIC050

Tgt Ion: 98 Resp: 339301

Ion Ratio Lower Upper

98 100

100 65.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX004911.D (-1234) (-)

Ion 100.00 (99.70 to 100.70): VX004911.D (-1234) (-)

8.72

200000

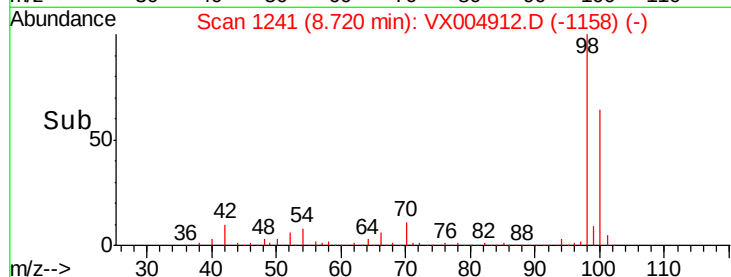
150000

100000

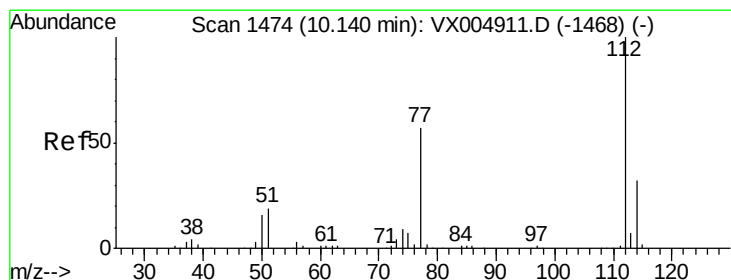
50000

0

Time-->



Time-->



#64

Chlorobenzene

Concen: 49.854 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004912.D

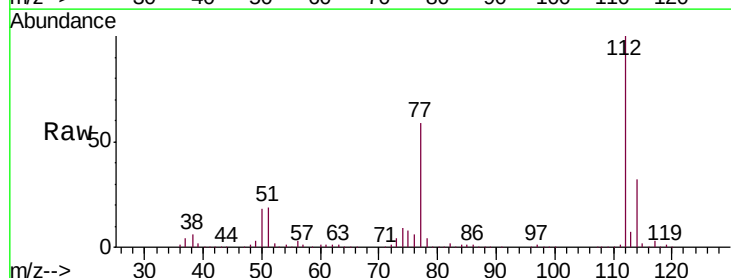
Acq: 02 Oct 2018 10:58

Tgt Ion: 112 Resp: 427107

Ion Ratio Lower Upper

112 100

114 32.3 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VX004911.D (-1468) (-)

Ion 114.00 (113.70 to 114.70): VX004911.D (-1468) (-)

10.14

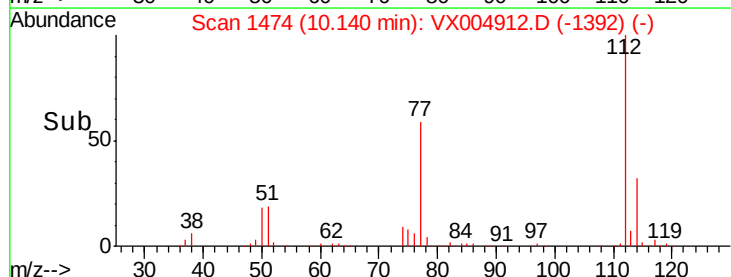
300000

200000

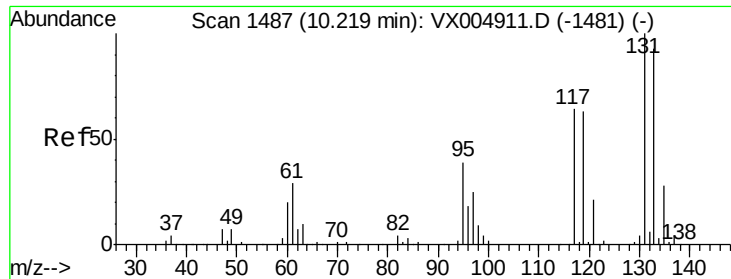
100000

0

Time-->



Time-->



#65

1,1,1,2-Tetrachloroethane

Concen: 50.315 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

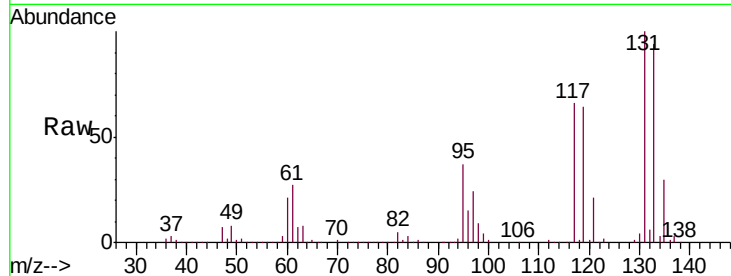
Tgt Ion: 131 Resp: 156695

Ion Ratio Lower Upper

131 100

133 96.4 0.0 190.4

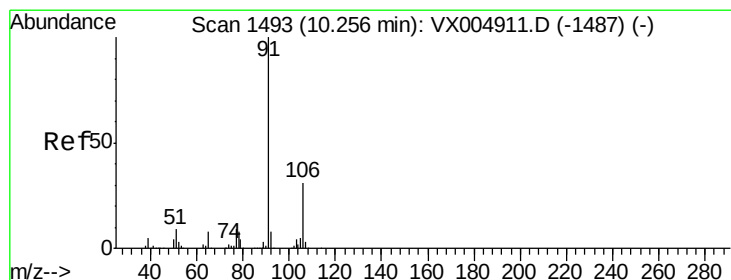
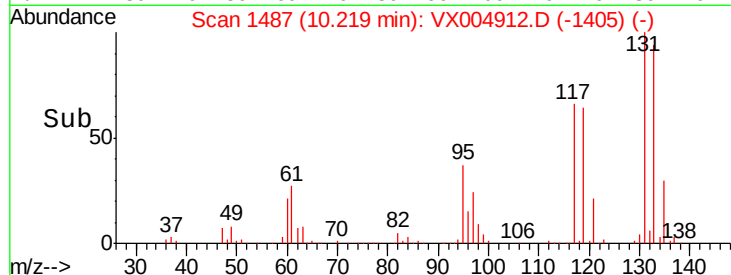
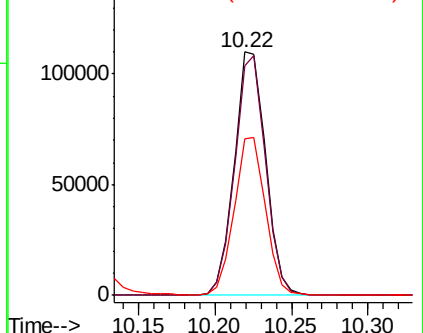
119 64.6 0.0 129.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 50.558 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004912.D

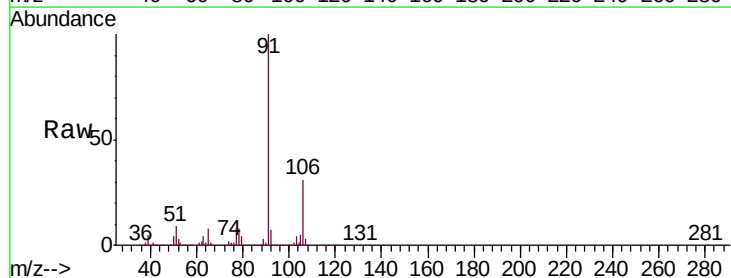
Acq: 02 Oct 2018 10:58

Tgt Ion: 91 Resp: 732206

Ion Ratio Lower Upper

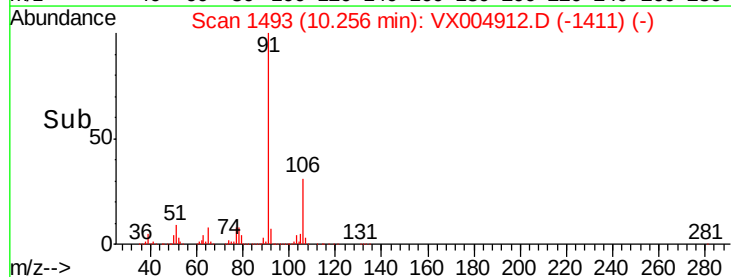
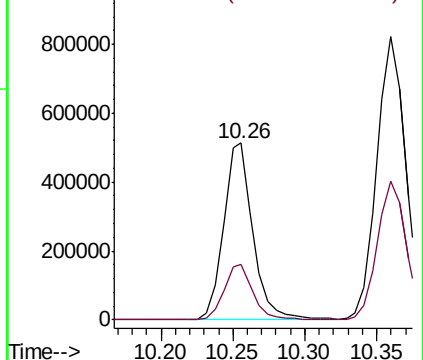
91 100

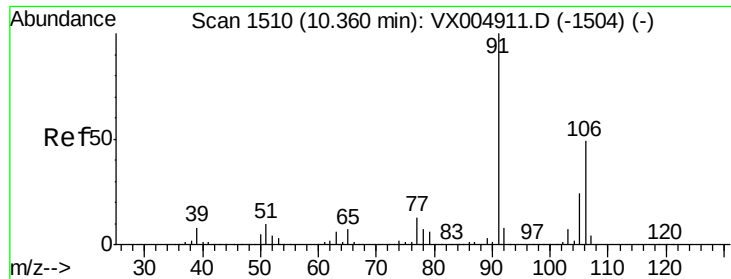
106 31.3 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

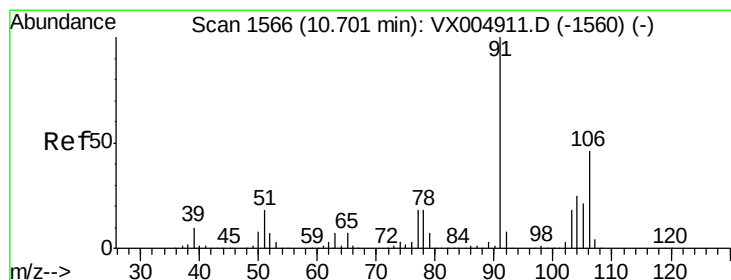
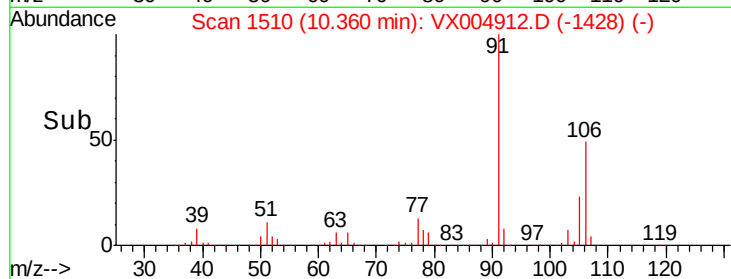
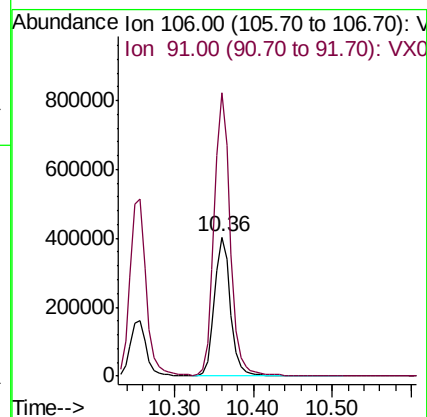
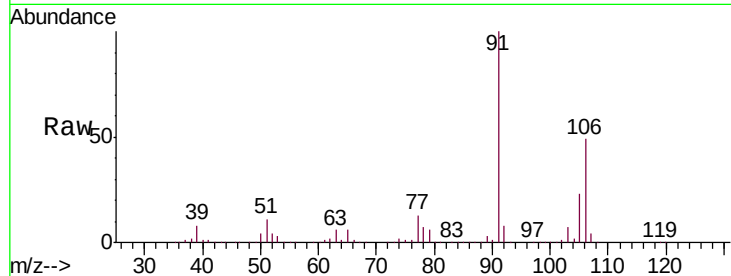




#67
m/p-Xylenes
Concen: 101.553 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

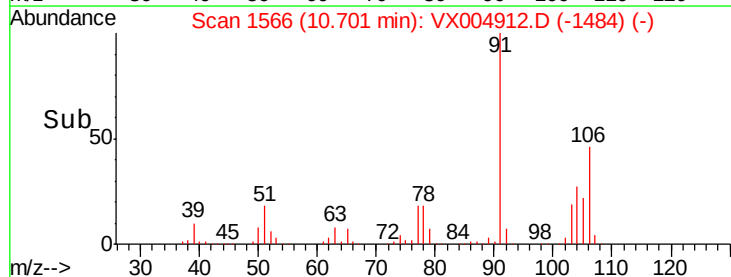
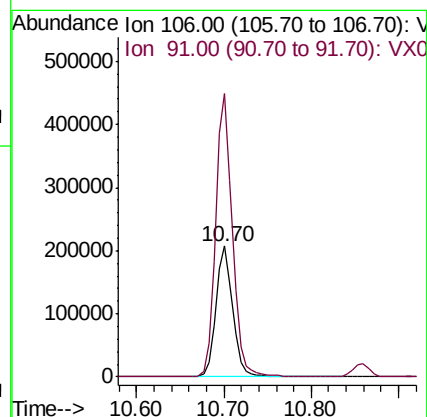
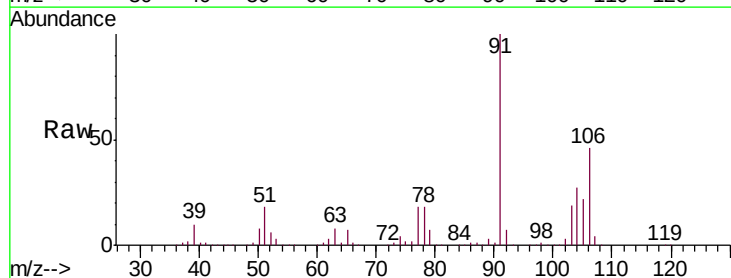
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

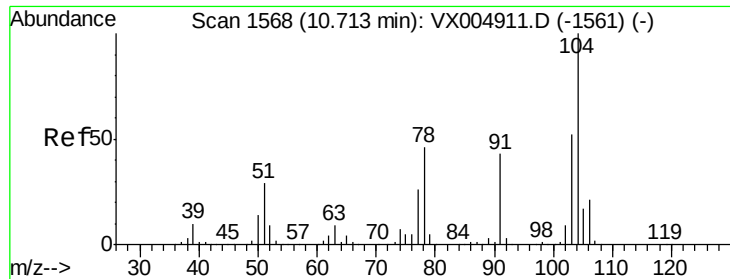
Tgt Ion:106 Resp: 572662
Ion Ratio Lower Upper
106 100
91 203.7 165.5 248.3



#68
o-Xylene
Concen: 50.980 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion:106 Resp: 277112
Ion Ratio Lower Upper
106 100
91 214.9 109.1 327.2

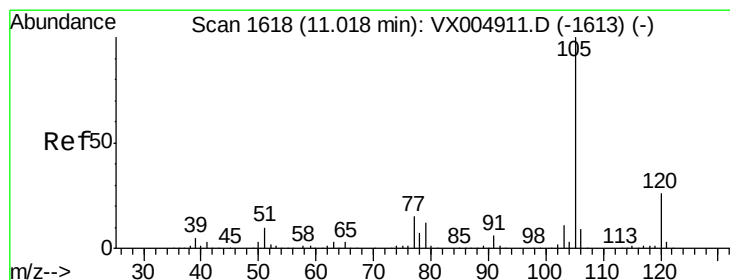
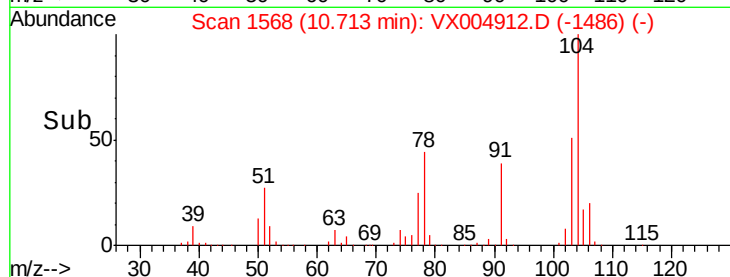
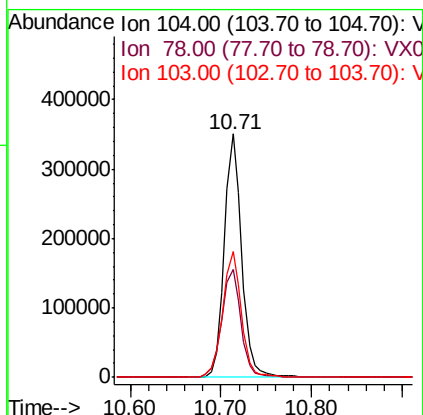
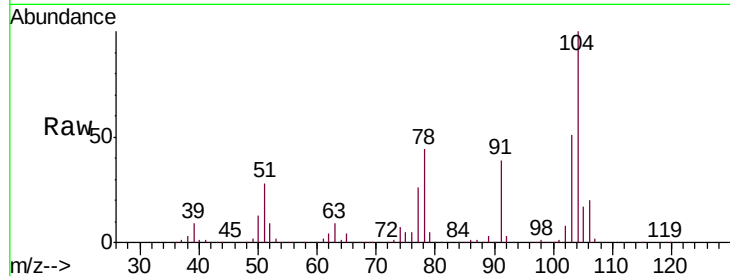




#69
Styrene
Concen: 50.969 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

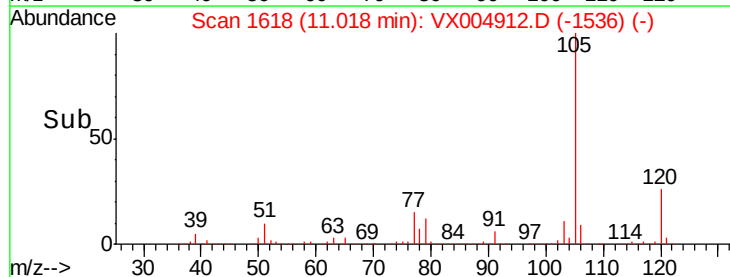
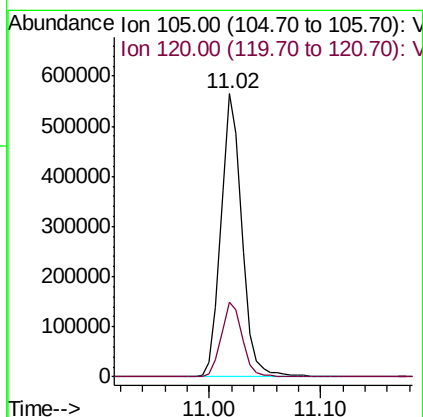
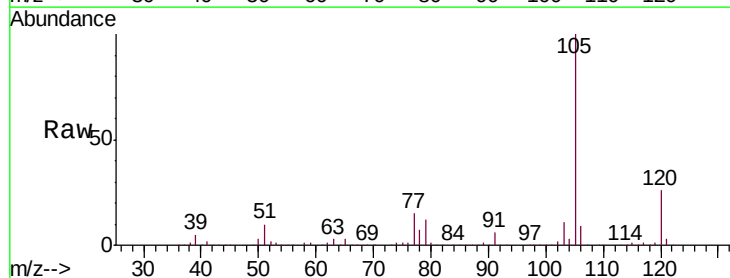
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

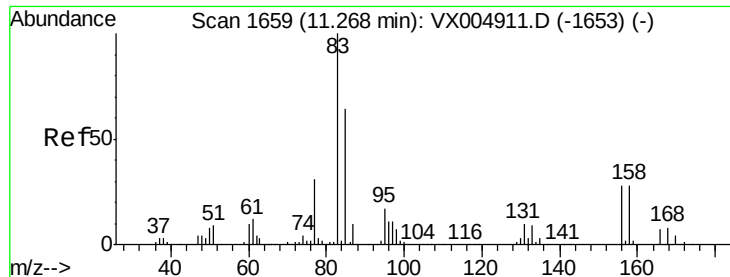
Tgt Ion:104 Resp: 465866
Ion Ratio Lower Upper
104 100
78 49.8 40.3 60.5
103 56.1 44.6 66.8



#70
Isopropylbenzene
Concen: 50.613 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion:105 Resp: 736697
Ion Ratio Lower Upper
105 100
120 26.6 18.3 34.1

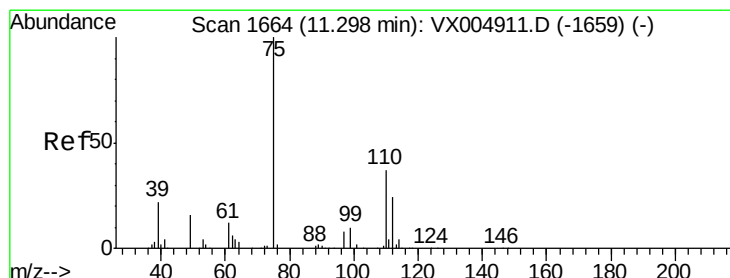
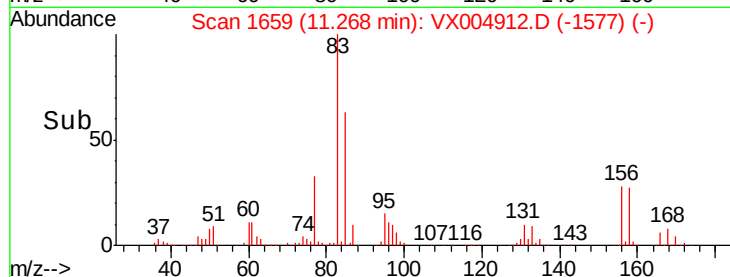
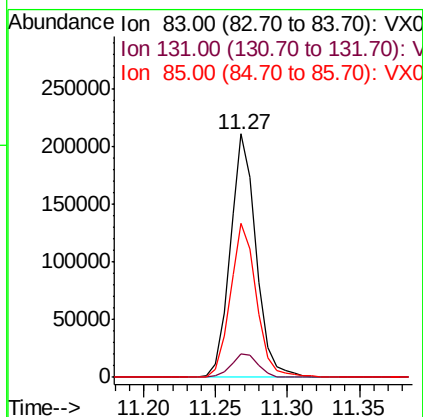
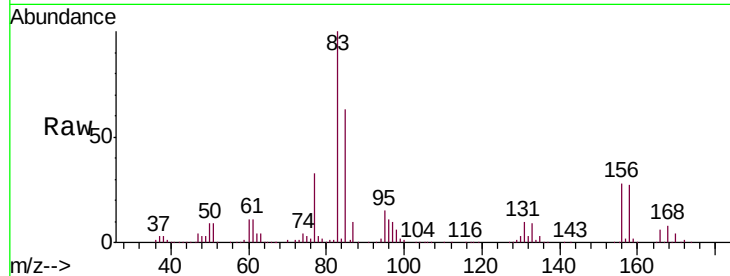




#71
 1,1,2,2-Tetrachloroethane
 Concen: 49.072 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

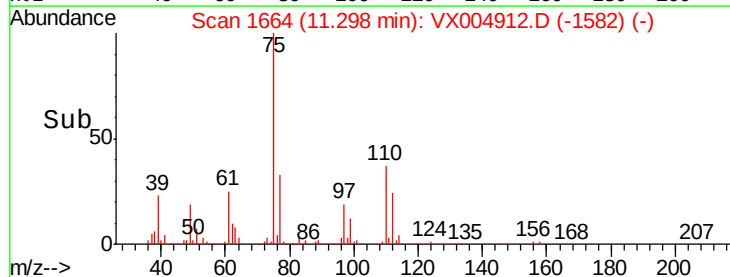
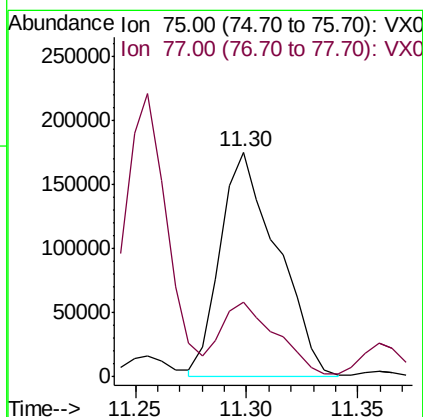
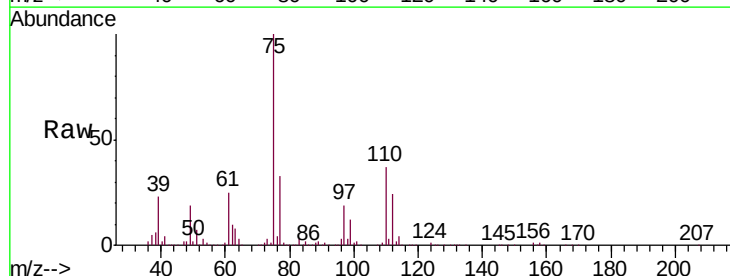
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC050

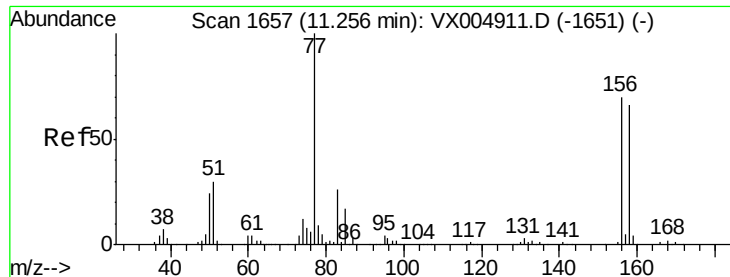
Tgt Ion: 83 Resp: 265298
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.1 15.2
 85 64.0 32.2 96.6



#72
 1,2,3-Trichloropropane
 Concen: 63.462 ug/l
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion: 75 Resp: 312568
 Ion Ratio Lower Upper
 75 100
 77 30.8 0.0 81.2





#73

Bromobenzene

Concen: 49.264 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

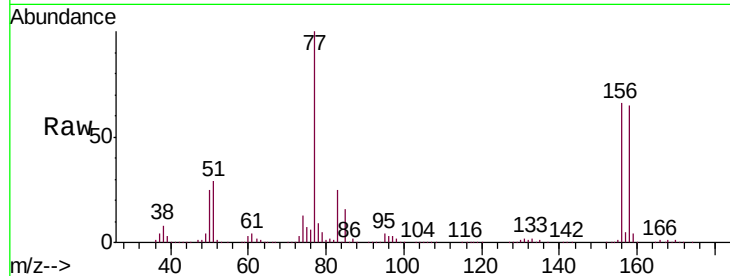
Tgt Ion:156 Resp: 197109

Ion Ratio Lower Upper

156 100

77 149.3 0.0 292.4

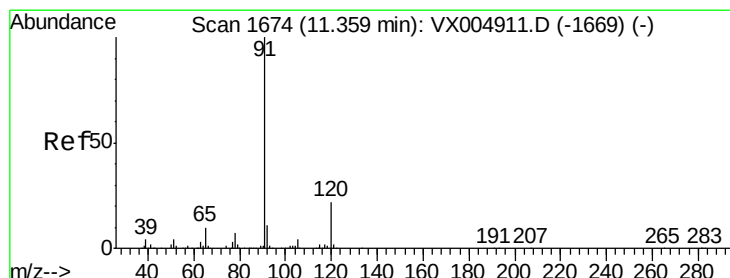
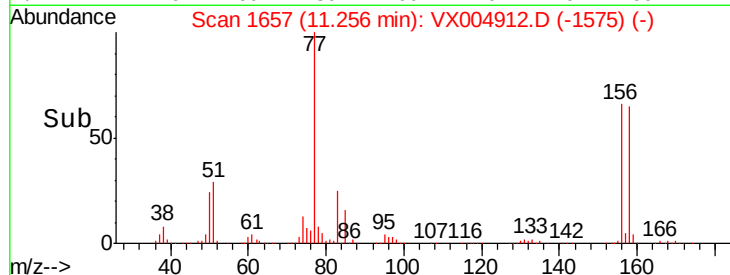
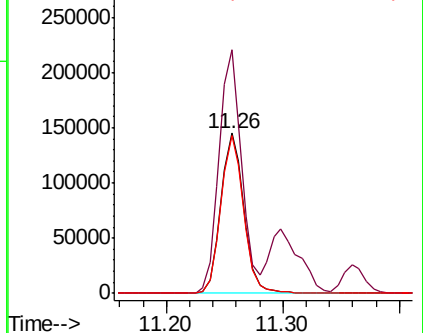
158 97.8 0.0 194.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 50.525 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004912.D

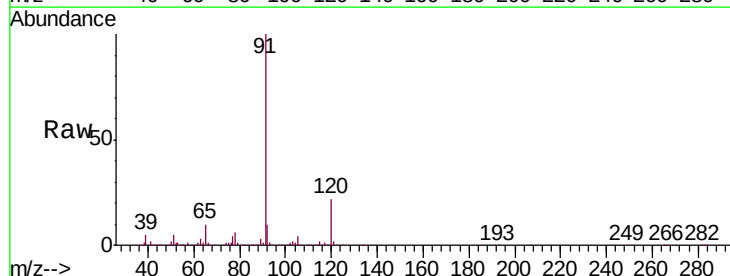
Acq: 02 Oct 2018 10:58

Tgt Ion: 91 Resp: 865292

Ion Ratio Lower Upper

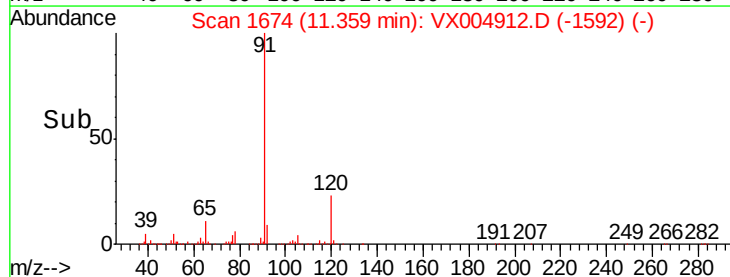
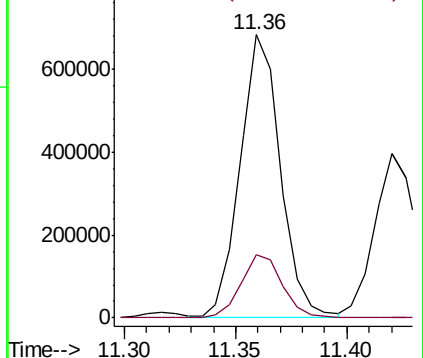
91 100

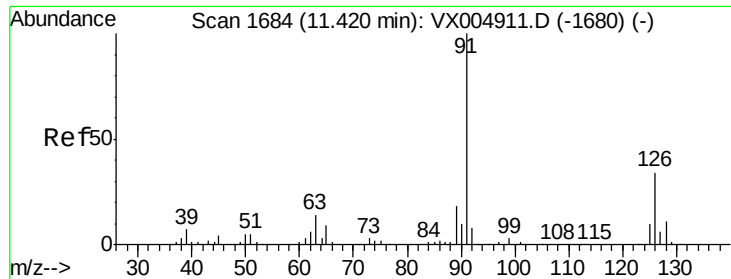
120 23.1 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 50.021 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

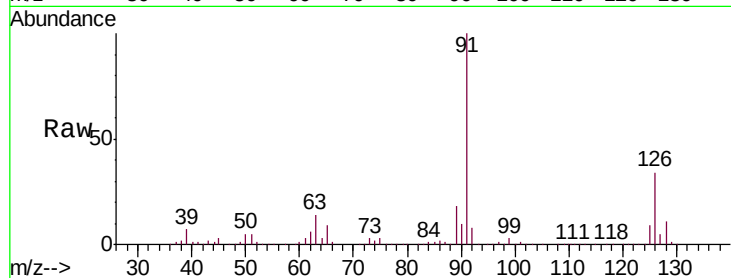
VSTDIC050

Tgt Ion: 91 Resp: 522470

Ion Ratio Lower Upper

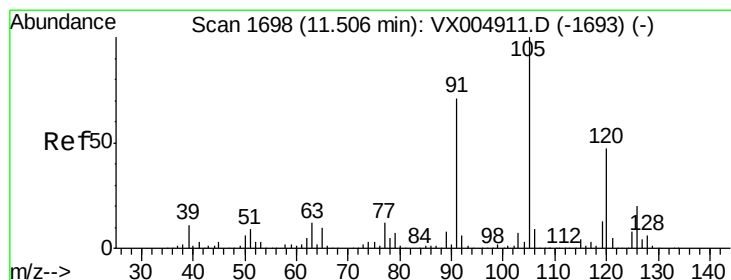
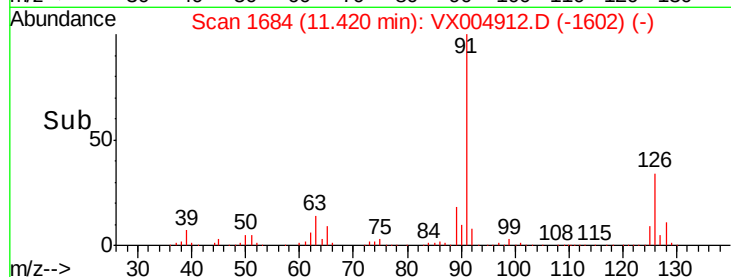
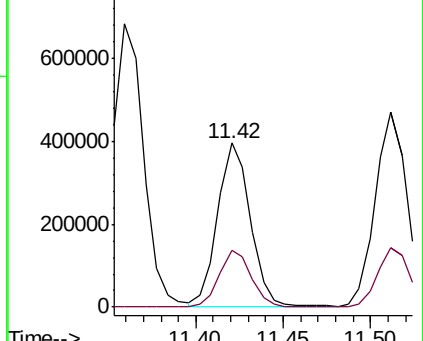
91 100

126 33.9 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 50.311 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004912.D

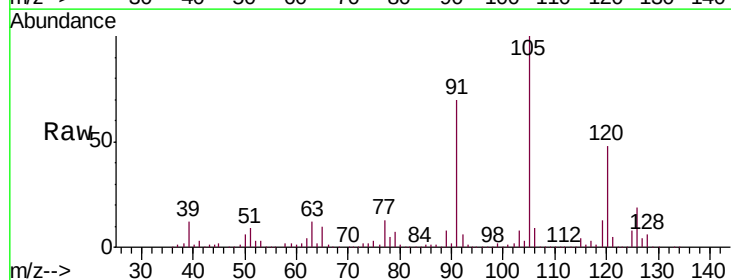
Acq: 02 Oct 2018 10:58

Tgt Ion: 105 Resp: 631840

Ion Ratio Lower Upper

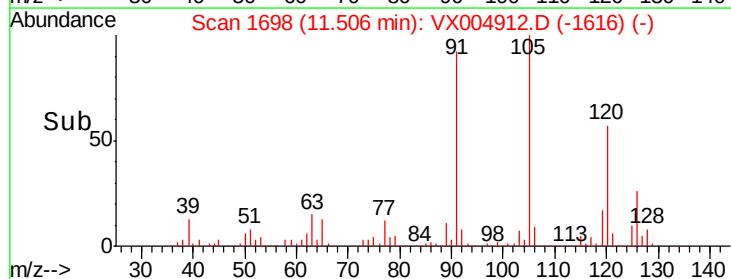
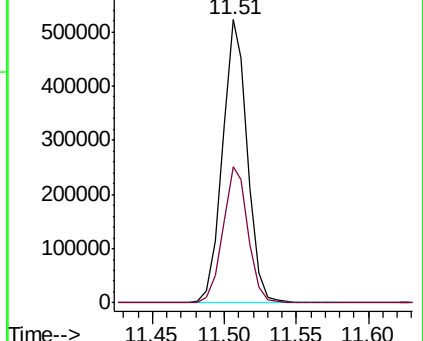
105 100

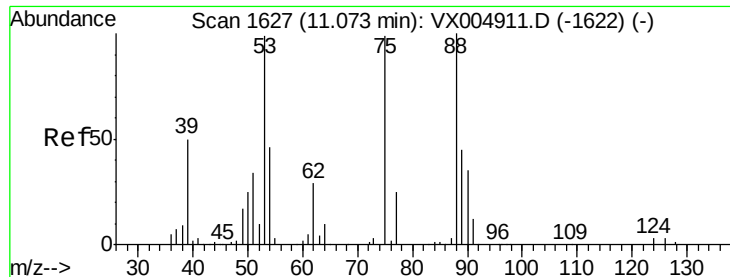
120 48.7 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 49.818 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

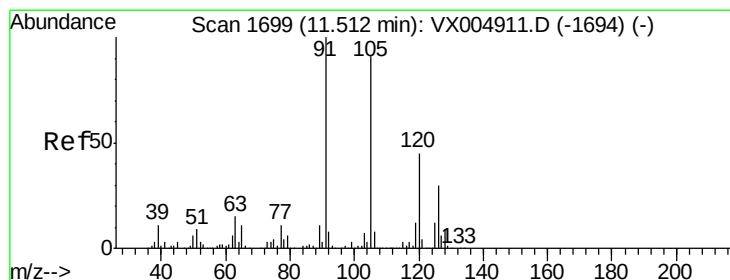
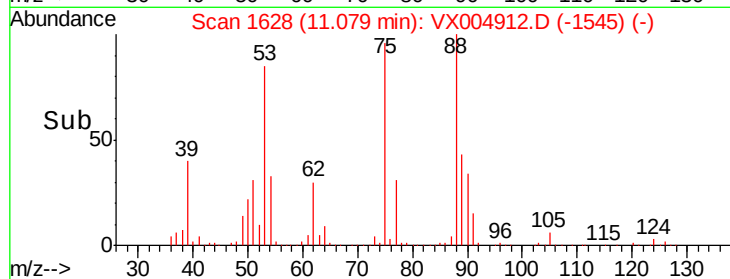
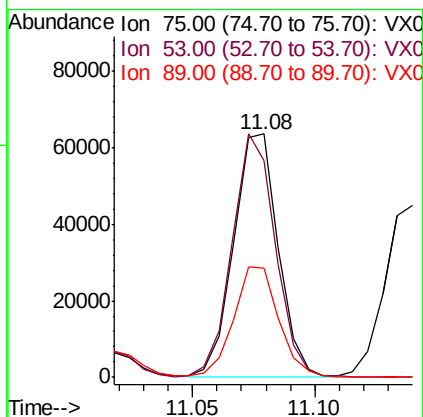
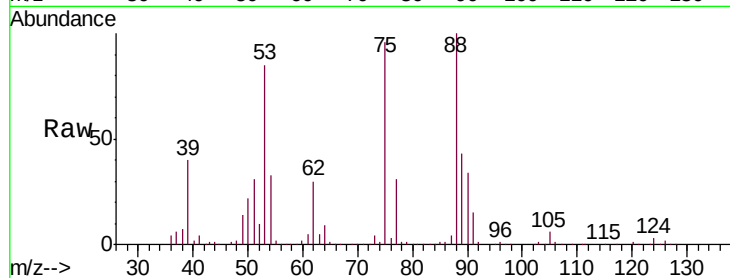
Tgt Ion: 75 Resp: 80673

Ion Ratio Lower Upper

75 100

53 89.0 50.3 150.9

89 44.8 22.6 67.8



#78

4-Chlorotoluene

Concen: 49.789 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004912.D

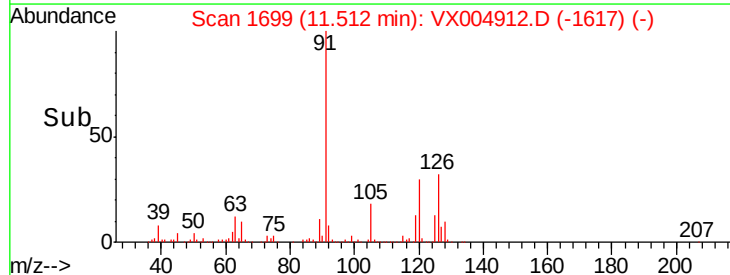
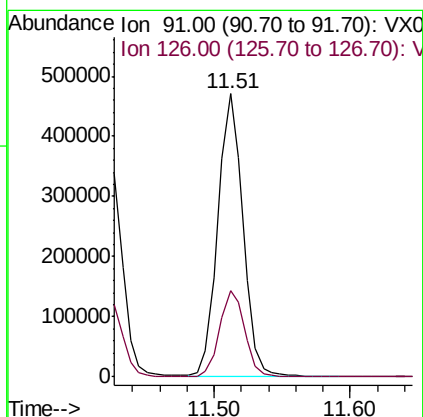
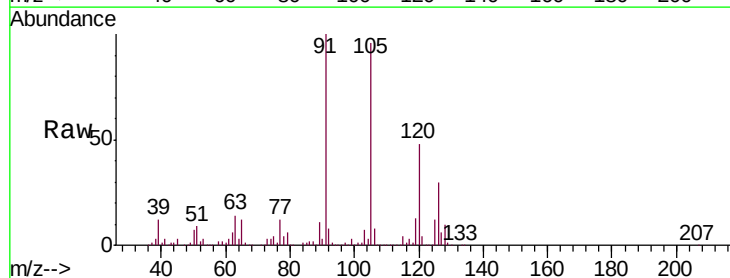
Acq: 02 Oct 2018 10:58

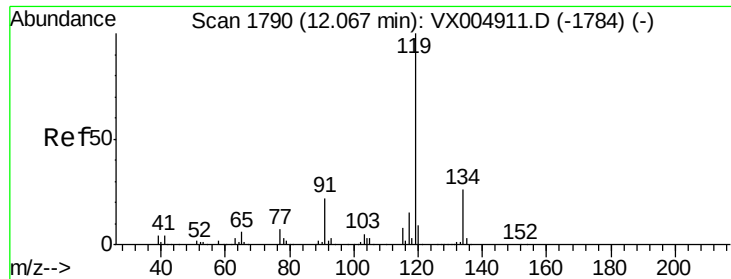
Tgt Ion: 91 Resp: 604461

Ion Ratio Lower Upper

91 100

126 30.6 0.0 61.0

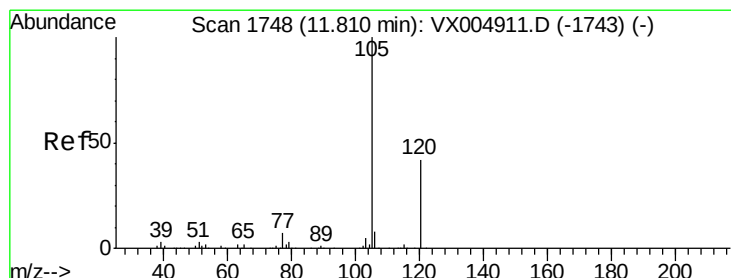
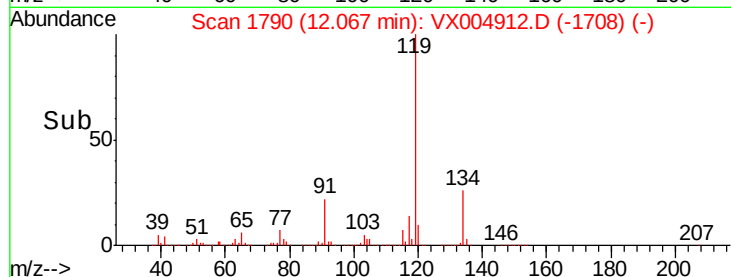
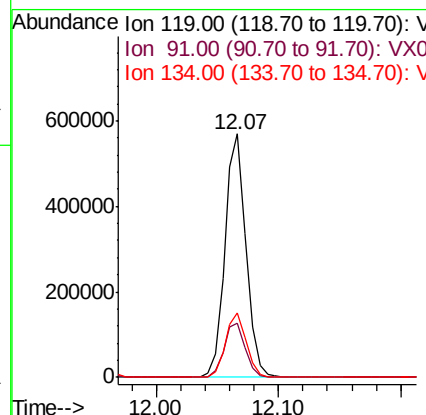
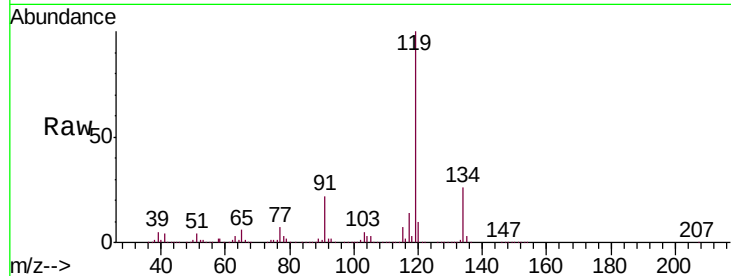




#79
 tert-butylbenzene
 Concen: 50.751 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

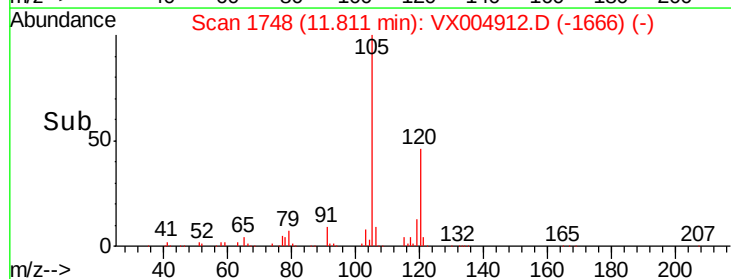
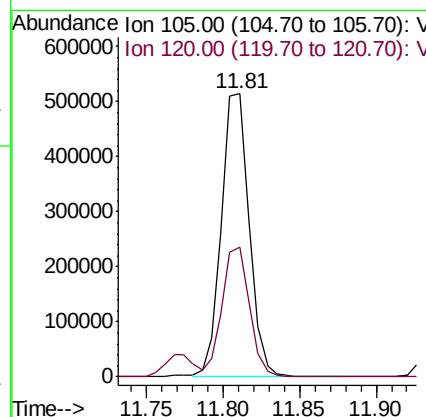
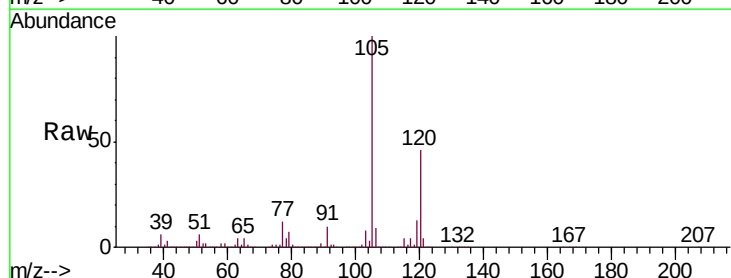
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

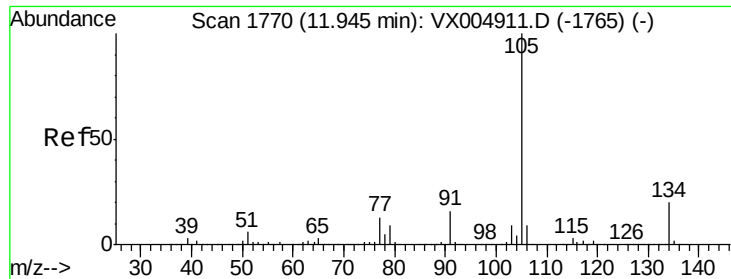
Tgt Ion	Ratio	Lower	Upper
119	100		
91	22.7	0.0	45.8
134	26.2	0.0	52.8



#80
 1,2,4-Trimethylbenzene
 Concen: 50.684 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	0.0	90.6

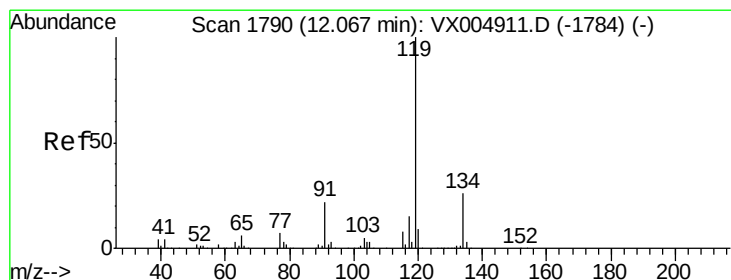
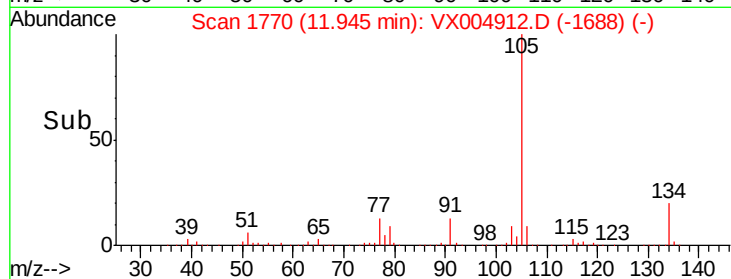
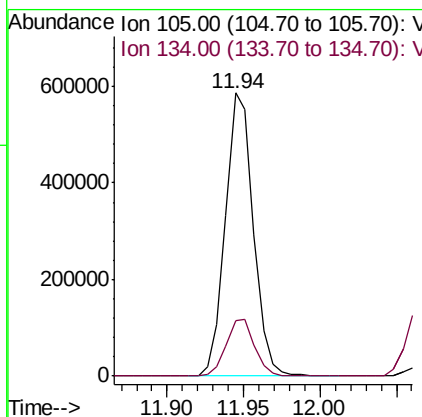
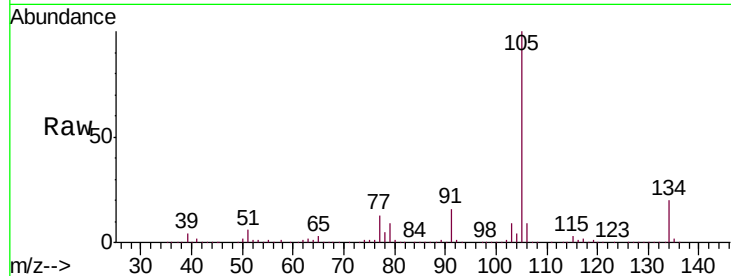




#81
 sec-Butylbenzene
 Concen: 50.042 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

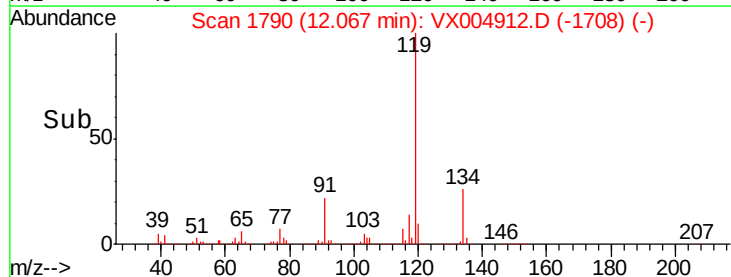
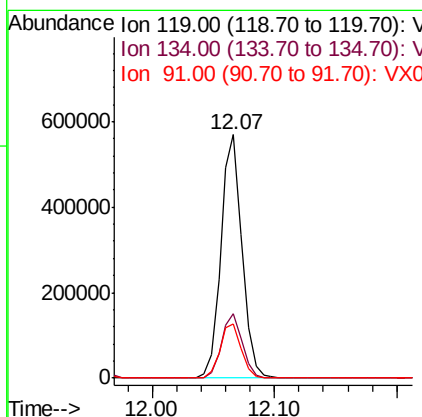
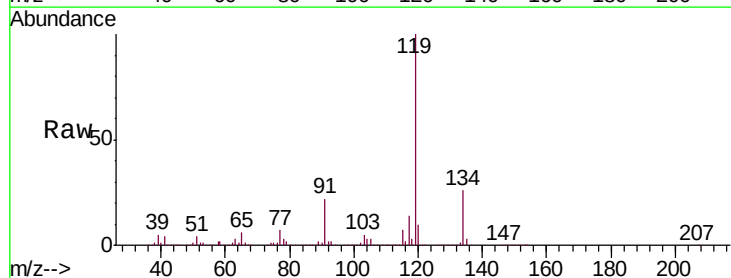
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

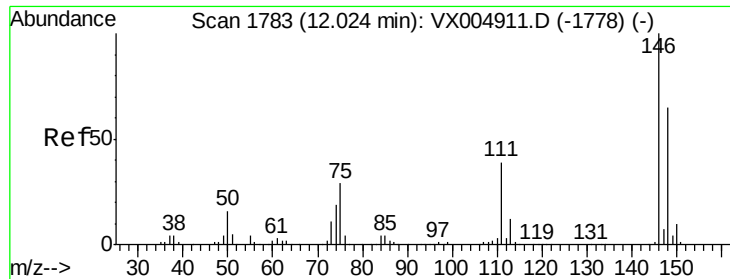
Tgt Ion:105 Resp: 741857
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 50.751 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion:119 Resp: 676426
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 52.8
 91 22.7 0.0 45.8

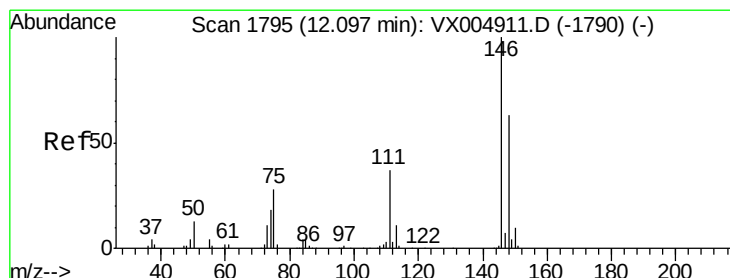
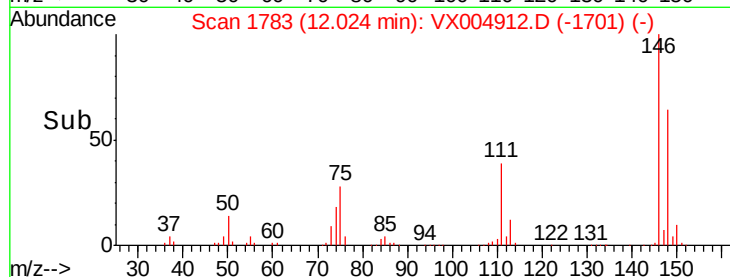
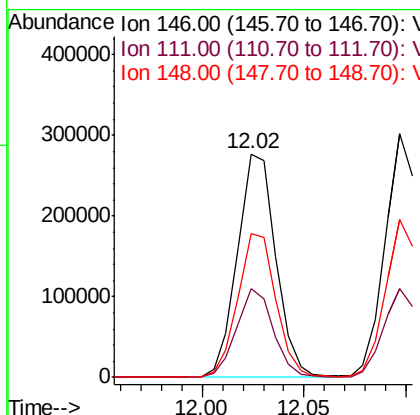
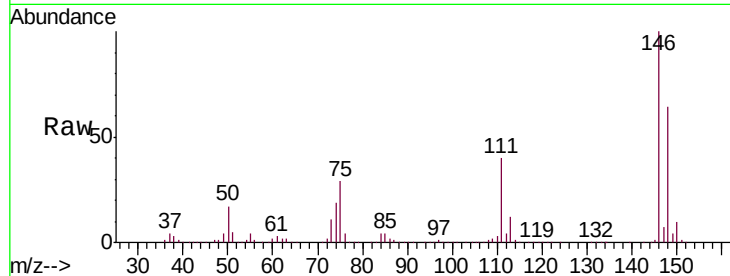




#83
 1,3-Dichlorobenzene
 Concen: 49.168 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

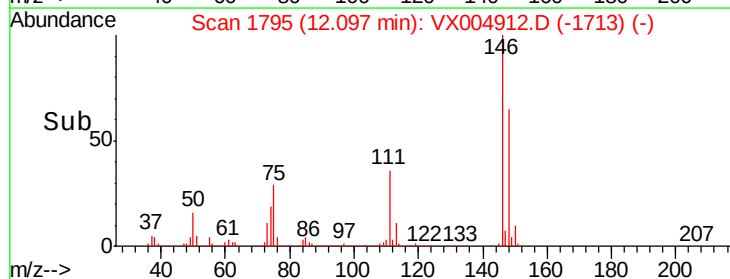
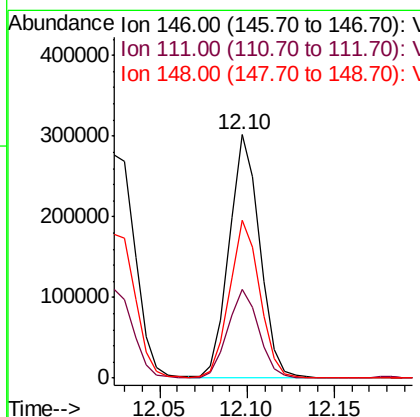
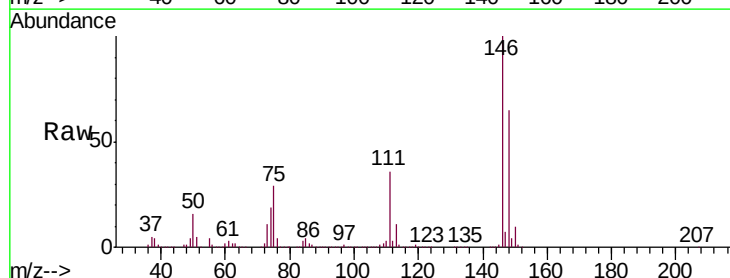
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

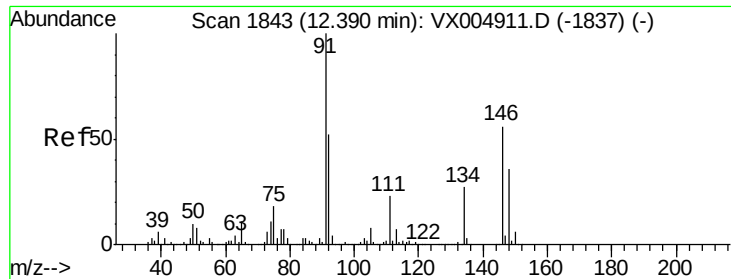
Tgt Ion:146 Resp: 363779
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.3 57.8
 148 64.2 32.4 97.2



#84
 1,4-Dichlorobenzene
 Concen: 49.195 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion:146 Resp: 369371
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.1 54.4
 148 64.1 31.9 95.7

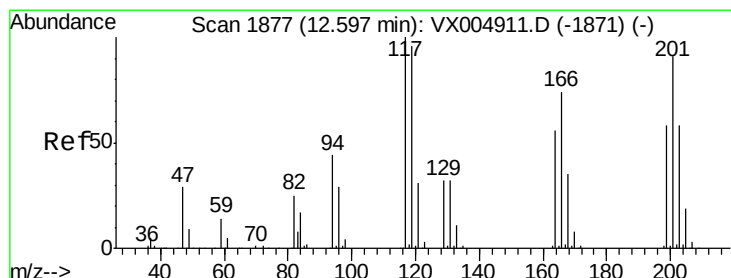
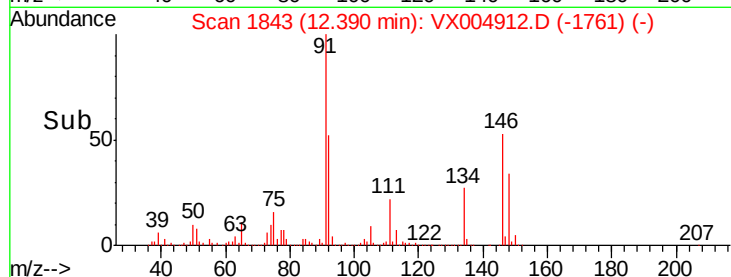
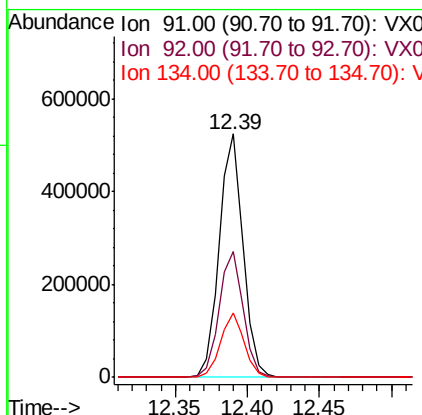
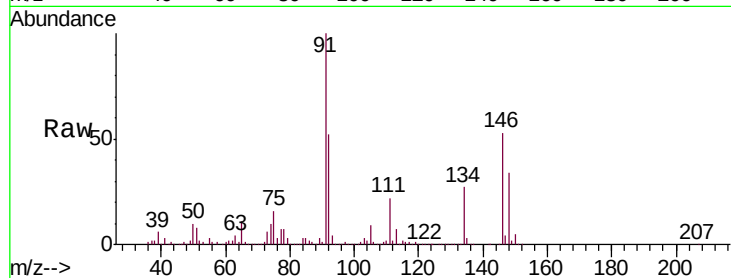




#85
n-Butylbenzene
Concen: 50.286 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

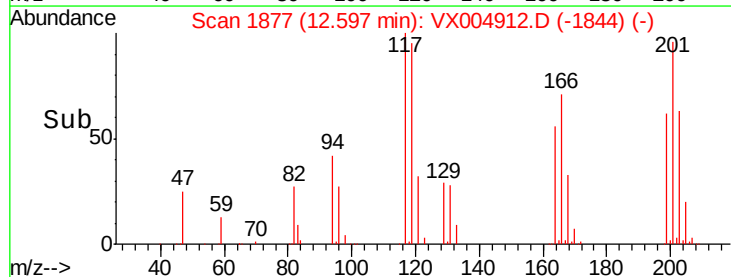
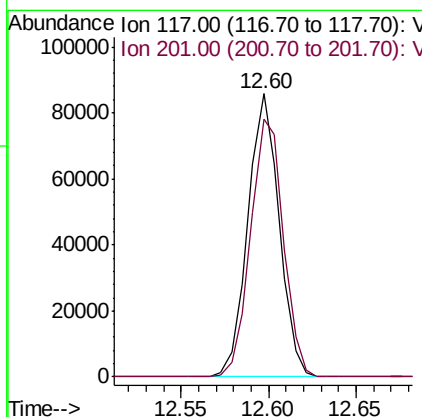
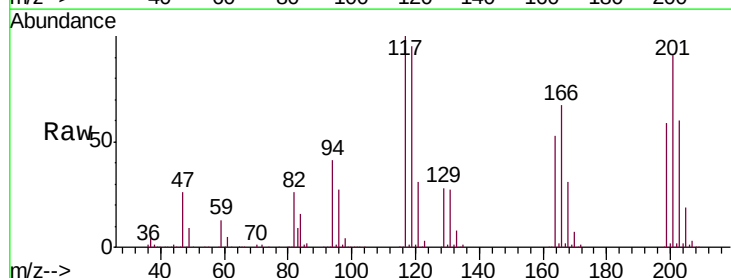
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

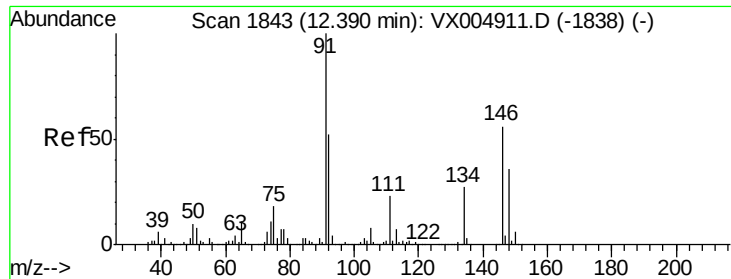
Tgt Ion: 91 Resp: 608746
Ion Ratio Lower Upper
91 100
92 52.2 0.0 103.6
134 26.3 0.0 52.2



#86
Hexachloroethane
Concen: 48.510 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion: 117 Resp: 106500
Ion Ratio Lower Upper
117 100
201 95.8 47.1 141.4

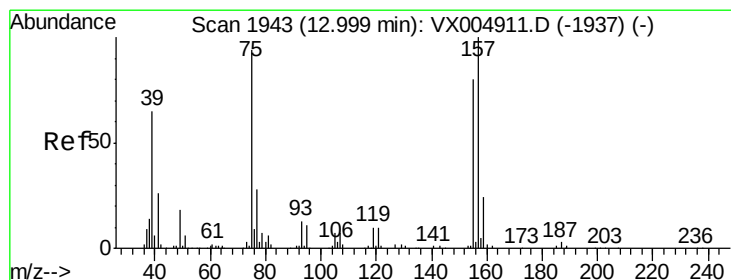
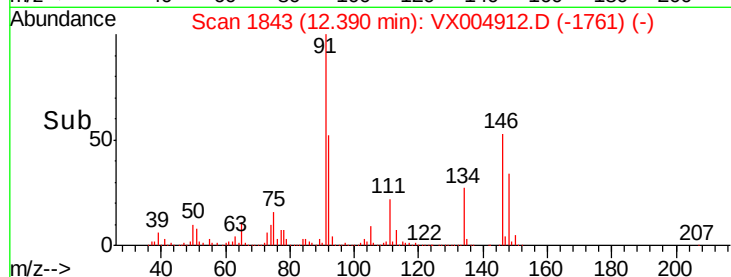
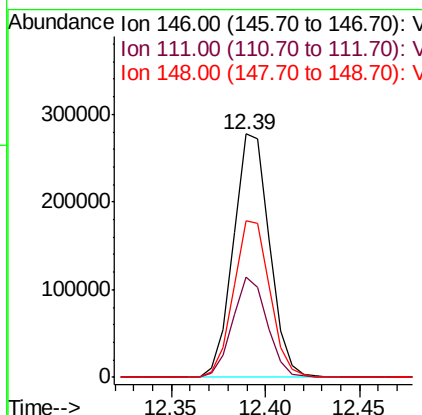
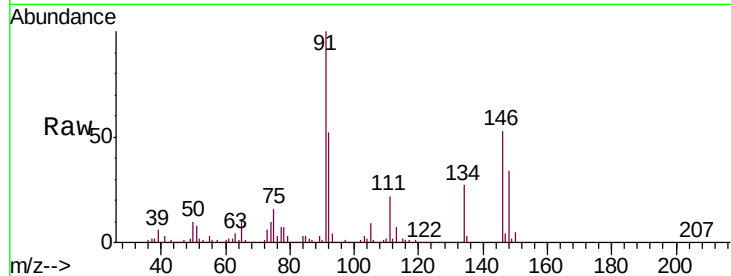




#87
 1,2-Dichlorobenzene
 Concen: 49.150 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

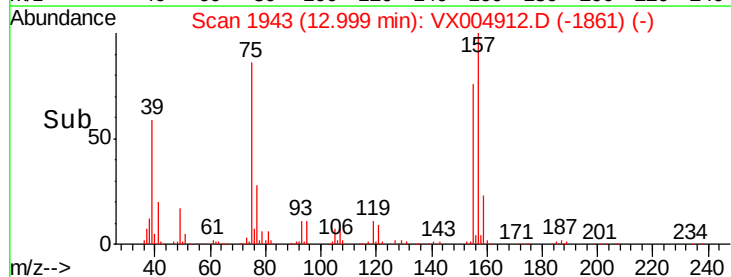
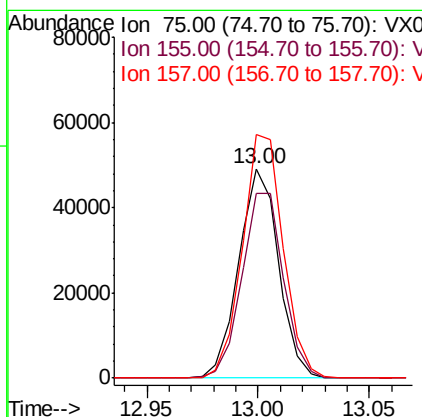
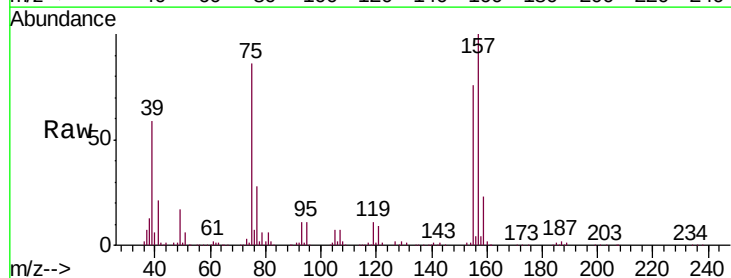
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

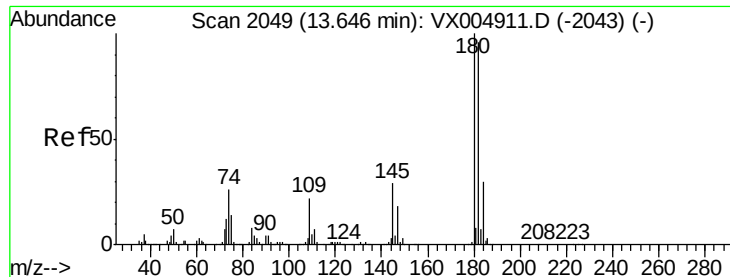
Tgt Ion: 146 Resp: 369660
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.6 58.7
 148 64.4 31.9 95.9



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 48.872 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion: 75 Resp: 61055
 Ion Ratio Lower Upper
 75 100
 155 93.2 71.6 107.4
 157 120.0 91.3 136.9

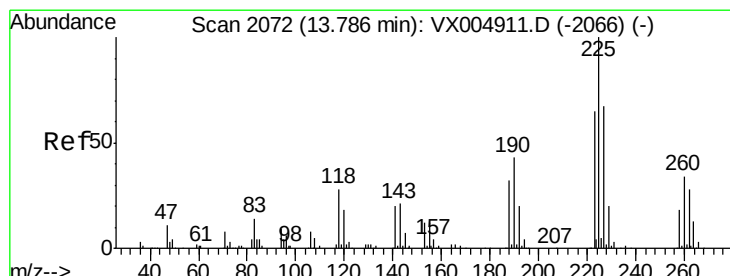
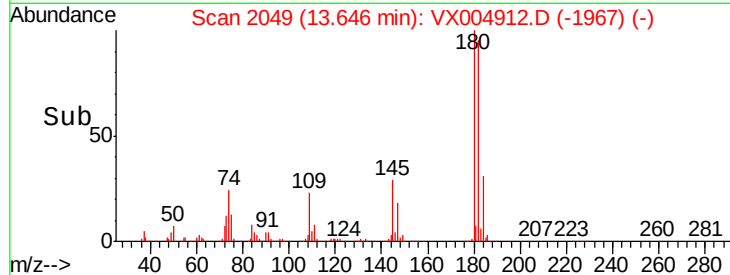
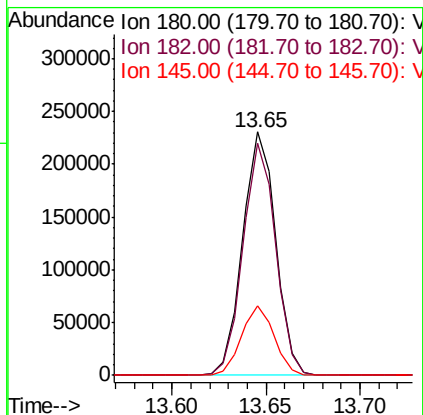
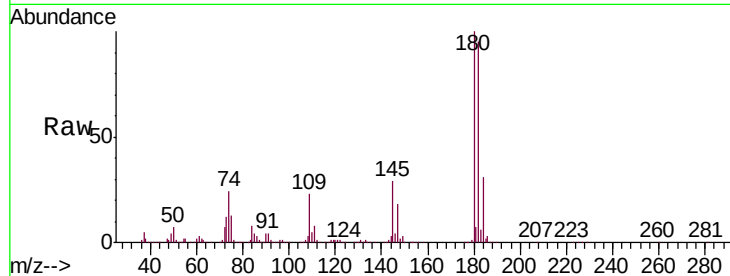




#89
 1,2,4-Trichlorobenzene
 Concen: 49.995 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

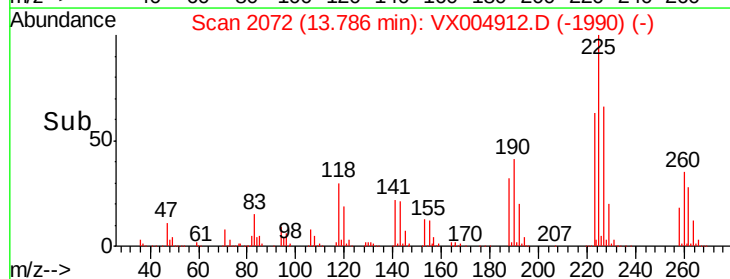
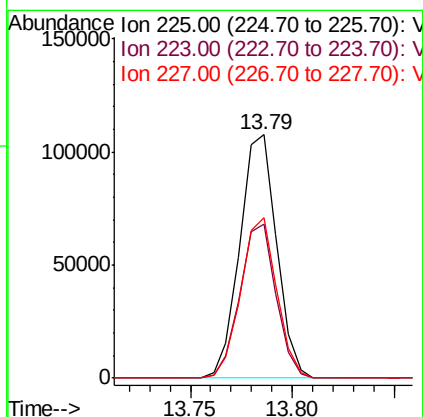
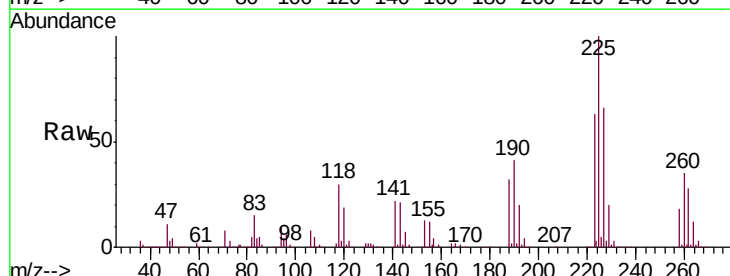
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

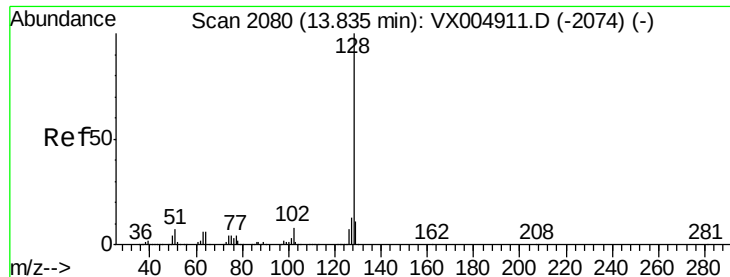
Tgt Ion:180 Resp: 280496
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.8 115.2
 145 28.4 22.6 33.8



#90
 Hexachlorobutadiene
 Concen: 48.764 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion:225 Resp: 135067
 Ion Ratio Lower Upper
 225 100
 223 62.1 0.0 126.6
 227 64.2 0.0 129.6





#91

Naphthalene

Concen: 51.748 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

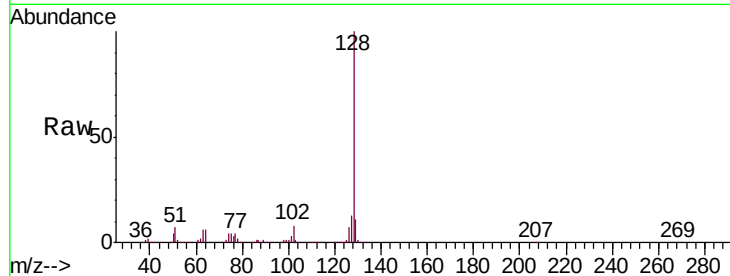
Tgt Ion:128 Resp: 902753

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

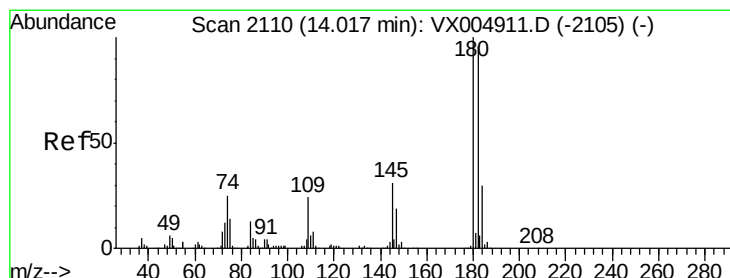
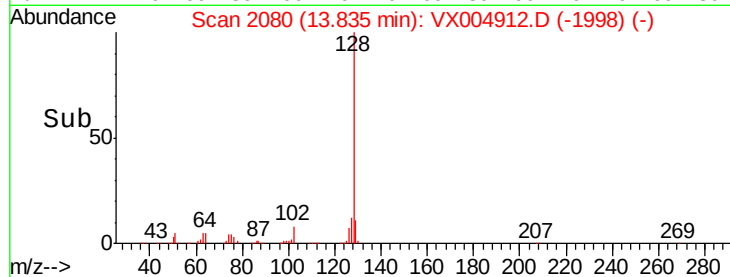
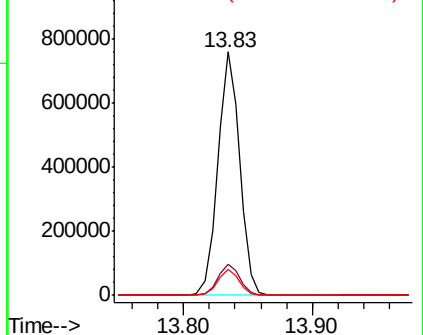
129 10.8 8.6 13.0



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



#92

1,2,3-Trichlorobenzene

Concen: 49.759 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

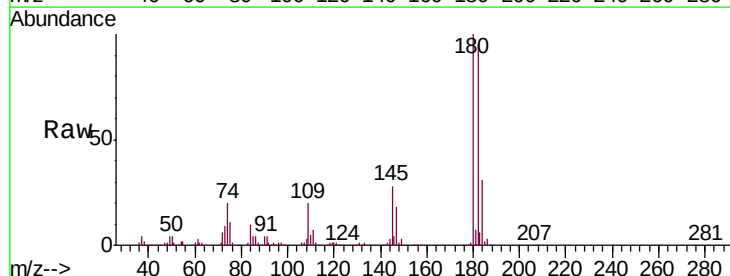
Tgt Ion:180 Resp: 286264

Ion Ratio Lower Upper

180 100

182 95.6 0.0 192.2

145 29.7 0.0 60.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

