

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006596.D
 Acq On : 18 Dec 2018 14:31
 Operator : JC/MD
 Sample : VX1218WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1218WBS01

Quant Time: Dec 19 05:58:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	633037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	952616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	876536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	462774	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	332545	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
35) Dibromofluoromethane	5.49	113	298970	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	8.71	98	1130345	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.13	95	425518	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	114184	19.717	ug/l 98
3) Chloromethane	1.33	50	124979	20.031	ug/l 96
4) Vinyl Chloride	1.41	62	125762	19.300	ug/l 97
5) Bromomethane	1.64	94	135575	21.191	ug/l 99
6) Chloroethane	1.72	64	80577	17.859	ug/l 99
7) Trichlorofluoromethane	1.93	101	198095	19.499	ug/l 99
8) Diethyl Ether	2.19	74	74430	18.445	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	117673	19.727	ug/l 99
10) Methyl Iodide	2.51	142	146171	17.119	ug/l 97
11) Tert butyl alcohol	3.07	59	147433	96.829	ug/l 99
12) 1,1-Dichloroethene	2.37	96	107356	18.981	ug/l 93
13) Acrolein	2.29	56	89988	87.608	ug/l 99
14) Allyl chloride	2.73	41	181240	19.037	ug/l 99
15) Acrylonitrile	3.15	53	322259	95.324	ug/l 100
16) Acetone	2.45	43	298873	95.349	ug/l 96
17) Carbon Disulfide	2.57	76	267425	17.867	ug/l 98
18) Methyl Acetate	2.78	43	177227	19.228	ug/l 96
19) Methyl tert-butyl Ether	3.20	73	364958	19.441	ug/l 100
20) Methylene Chloride	2.85	84	120739	18.628	ug/l 95
21) trans-1,2-Dichloroethene	3.17	96	111333	17.765	ug/l 99
22) Diisopropyl ether	3.87	45	339535	19.495	ug/l 98
23) Vinyl Acetate	3.82	43	1403091	98.486	ug/l 97
24) 1,1-Dichloroethane	3.70	63	200875	19.320	ug/l 99
25) 2-Butanone	4.70	43	418509	94.920	ug/l 98
26) 2,2-Dichloropropane	4.59	77	154818	19.277	ug/l 100
27) cis-1,2-Dichloroethene	4.60	96	132799	19.206	ug/l 99
28) Bromochloromethane	5.01	49	91191	19.683	ug/l 99
29) Tetrahydrofuran	5.15	42	271812	93.600	ug/l 98
30) Chloroform	5.21	83	204075	18.954	ug/l 92
31) Cyclohexane	5.57	56	183043	19.379	ug/l 95
32) 1,1,1-Trichloroethane	5.49	97	175358	19.289	ug/l 99
36) 1,1-Dichloropropene	5.79	75	158357	20.071	ug/l 100
37) Ethyl Acetate	4.85	43	157299	19.155	ug/l 98
38) Carbon Tetrachloride	5.78	117	146676	19.129	ug/l 99

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 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	208623	20.085	ug/l	97
40) Benzene	6.14	78	473403	19.739	ug/l	99
41) Methacrylonitrile	5.06	41	86703	18.789	ug/l	97
42) 1,2-Dichloroethane	6.20	62	157544	19.278	ug/l	98
43) Isopropyl Acetate	6.46	43	248411	19.881	ug/l	99
44) Trichloroethene	7.21	130	140944	19.417	ug/l	92
45) 1,2-Dichloropropane	7.51	63	113305	19.414	ug/l	98
46) Dibromomethane	7.66	93	83837	19.530	ug/l	95
47) Bromodichloromethane	7.90	83	133289	18.702	ug/l	99
48) Methyl methacrylate	7.77	41	128784	20.268	ug/l	99
49) 1,4-Dioxane	7.75	88	70799	414.219	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	804203	101.157	ug/l	99
52) Toluene	8.78	92	310176	20.019	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	147962	19.358	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	165013	19.675	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	127008	20.027	ug/l	98
56) Ethyl methacrylate	9.18	69	181122	20.207	ug/l	98
57) 1,3-Dichloropropane	9.37	76	203744	19.968	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	466112	97.827	ug/l	99
59) 2-Hexanone	9.49	43	624206	102.619	ug/l	100
60) Dibromochloromethane	9.58	129	113138	18.588	ug/l	98
61) 1,2-Dibromoethane	9.67	107	134945	20.017	ug/l	99
64) Tetrachloroethene	9.34	164	137706	19.840	ug/l	97
65) Chlorobenzene	10.13	112	369117	19.905	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	116003	20.050	ug/l	99
67) Ethyl Benzene	10.25	91	603134	19.904	ug/l	99
68) m/p-Xylenes	10.36	106	482901	40.386	ug/l	99
69) o-Xylene	10.69	106	238563	20.205	ug/l	99
70) Styrene	10.71	104	375102	20.080	ug/l	99
71) Bromoform	10.85	173	80105	18.440	ug/l #	100
73) Isopropylbenzene	11.02	105	627514	19.821	ug/l	100
74) N-amyl acetate	10.90	43	222474	19.632	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	188366	20.006	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	197700	24.375	ug/l	90
77) Bromobenzene	11.26	156	168440	19.679	ug/l	97
78) n-propylbenzene	11.36	91	704308	20.202	ug/l	100
79) 2-Chlorotoluene	11.42	91	413479	19.571	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	522120	20.023	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	40577	17.375	ug/l #	74
82) 4-Chlorotoluene	11.51	91	486571	20.077	ug/l	100
83) tert-Butylbenzene	11.77	119	516454	19.789	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	538457	19.631	ug/l	100
85) sec-Butylbenzene	11.94	105	648734	20.274	ug/l	100
86) p-Isopropyltoluene	12.06	119	570604	20.286	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	309587	20.069	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	308647	19.495	ug/l	98
89) n-Butylbenzene	12.38	91	486576	20.326	ug/l	99
90) Hexachloroethane	12.60	117	72541	18.686	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	307091	19.901	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36238	18.601	ug/l	90

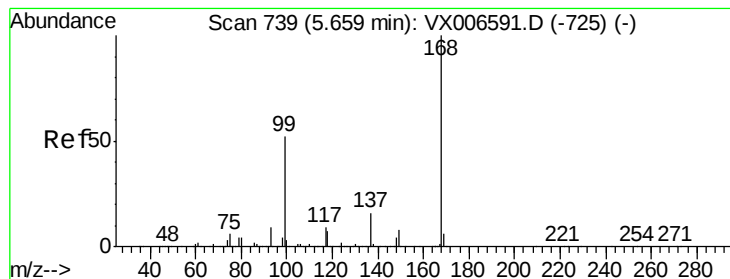
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121818\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	213553	20.063	ug/l	99
94) Hexachlorobutadiene	13.78	225	99060	19.744	ug/l	99
95) Naphthalene	13.83	128	651038	19.163	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	213625	19.438	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

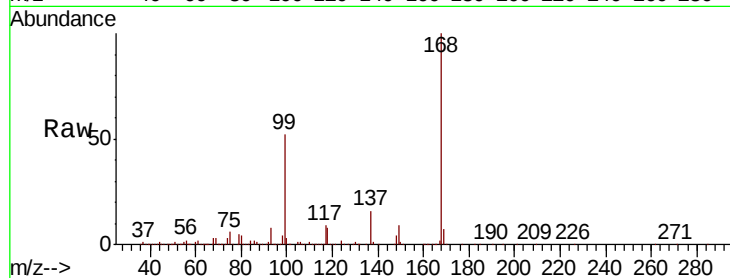
VX1218WBS01

Tot Ion:168 Resp: 633037

Ion Ratio Lower Upper

168 100

99 51.5 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

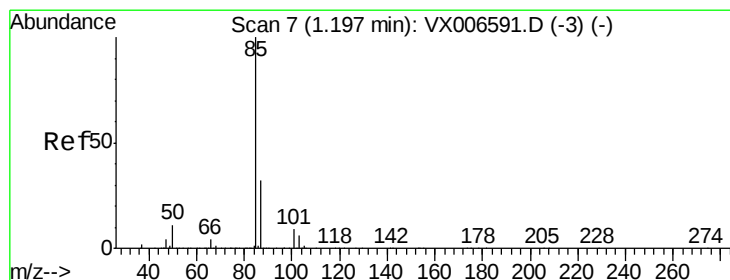
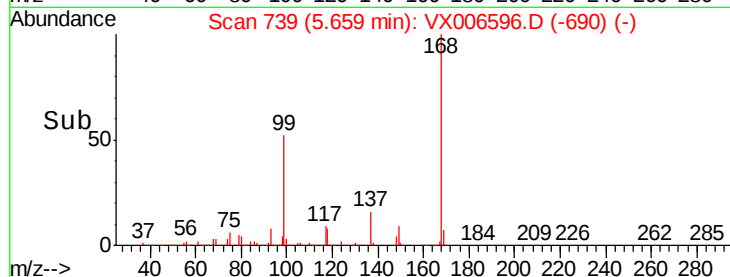
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.717 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006596.D

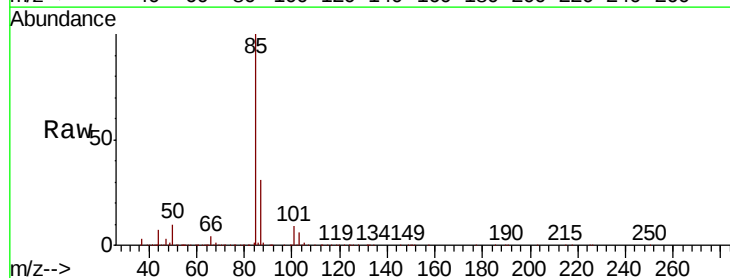
Acq: 18 Dec 2018 14:31

Tgt Ion: 85 Resp: 114184

Ion Ratio Lower Upper

85 100

87 31.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

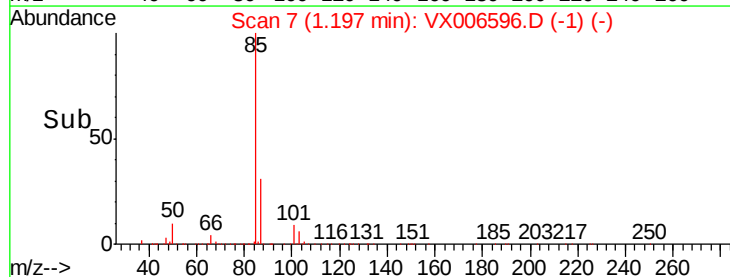
60000

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Time-->





#3

Chloromethane

Concen: 20.031 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

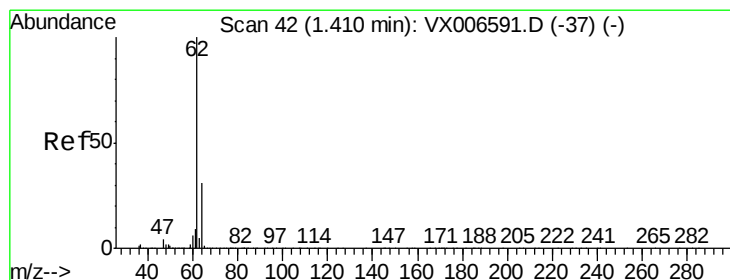
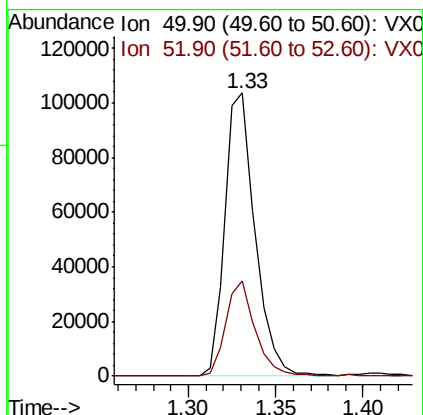
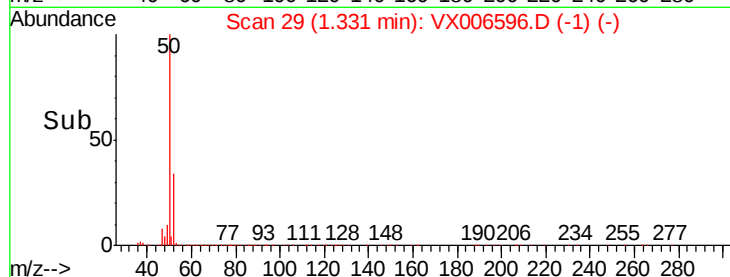
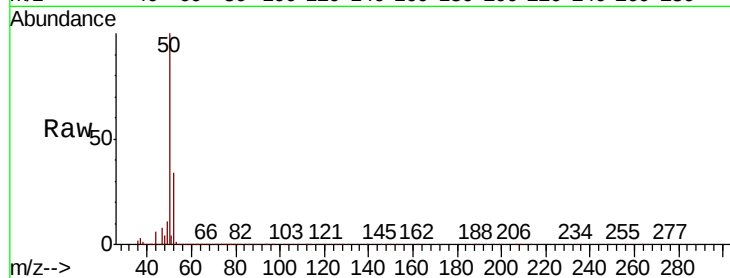
VX1218WBS01

Tot Ion: 50 Resp: 124979

Ion Ratio Lower Upper

50 100

52 33.5 25.2 37.8



#4

Vinyl Chloride

Concen: 19.300 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006596.D

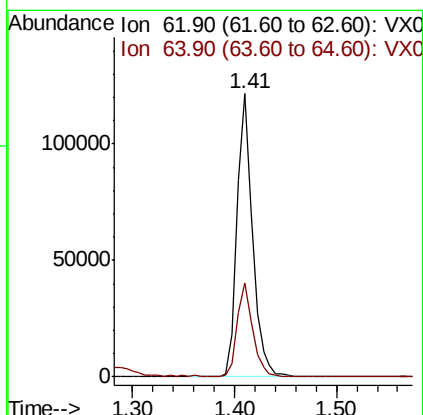
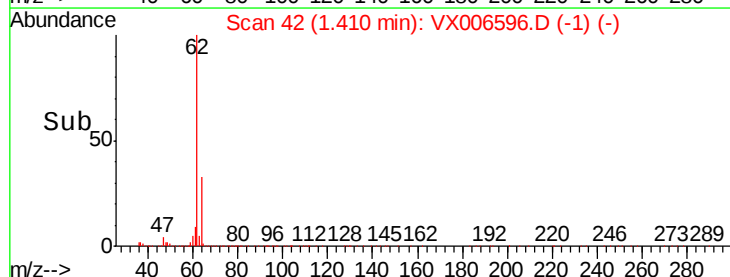
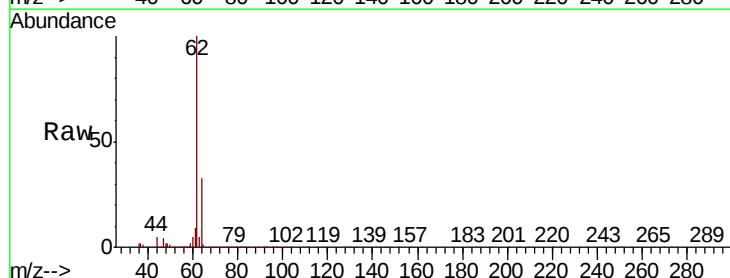
Acq: 18 Dec 2018 14:31

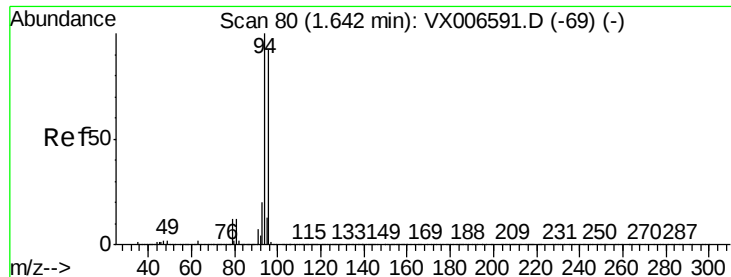
Tgt Ion: 62 Resp: 125762

Ion Ratio Lower Upper

62 100

64 32.8 24.9 37.3





#5

Bromomethane

Concen: 21.191 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

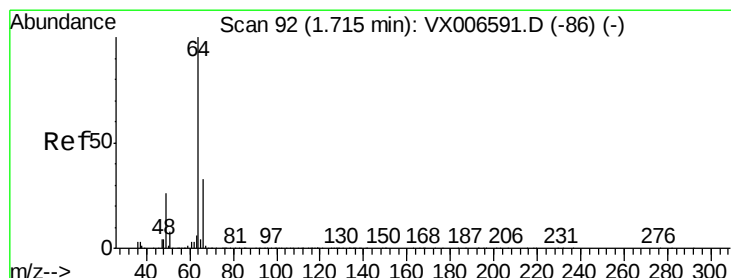
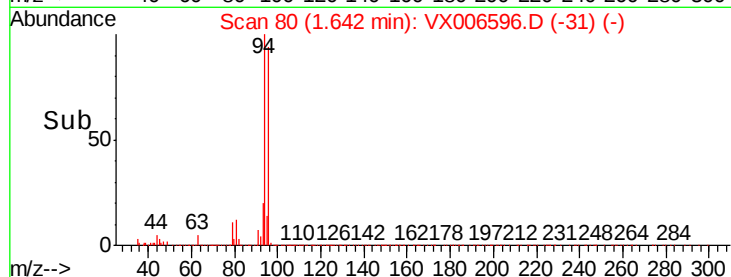
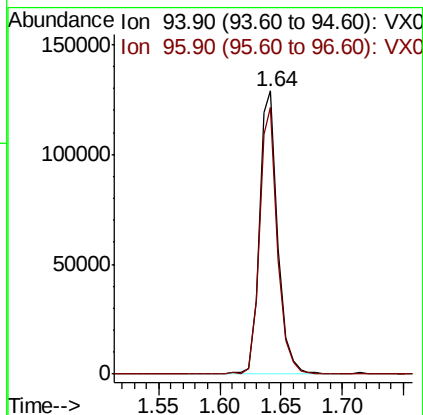
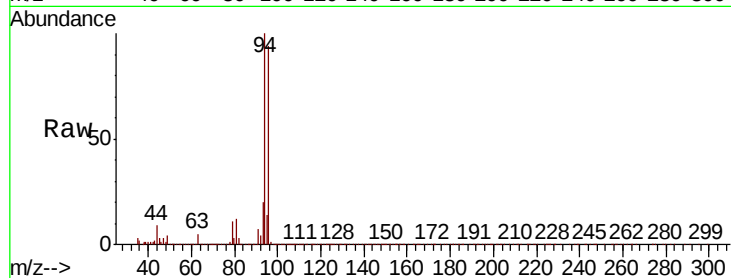
VX1218WBS01

Tot Ion: 94 Resp: 135575

Ion Ratio Lower Upper

94 100

96 94.2 74.5 111.7



#6

Chloroethane

Concen: 17.859 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006596.D

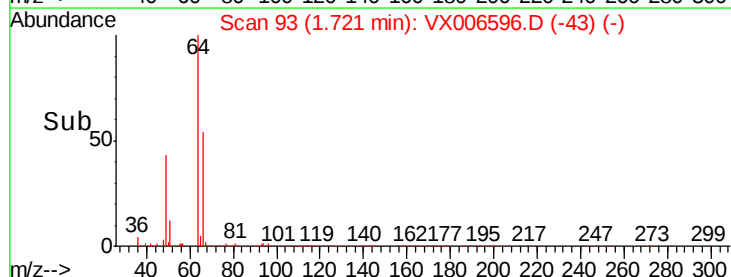
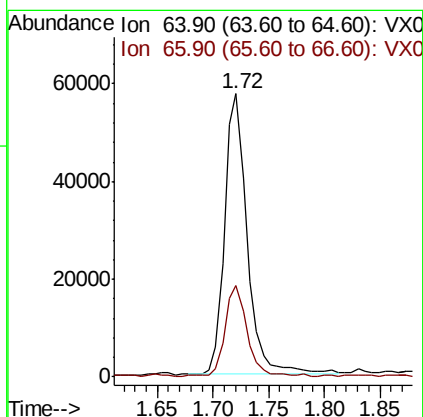
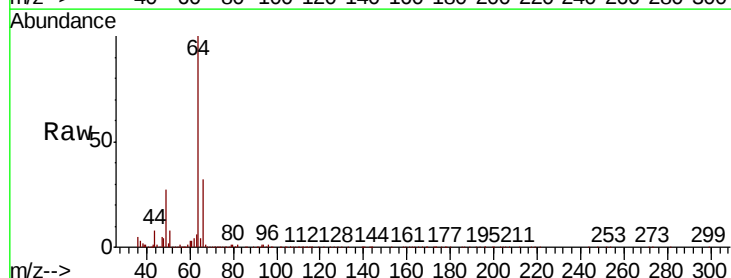
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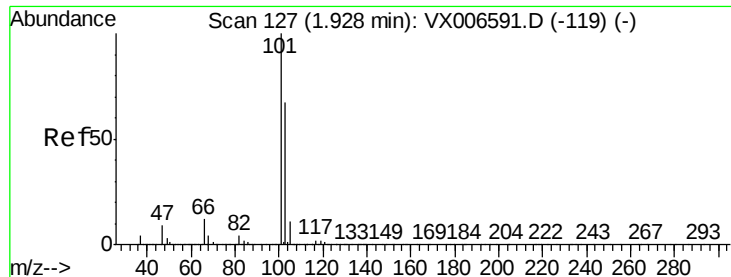
Tgt Ion: 64 Resp: 80577

Ion Ratio Lower Upper

64 100

66 32.1 25.9 38.9



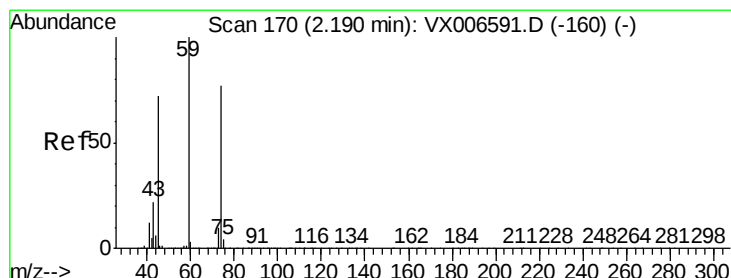
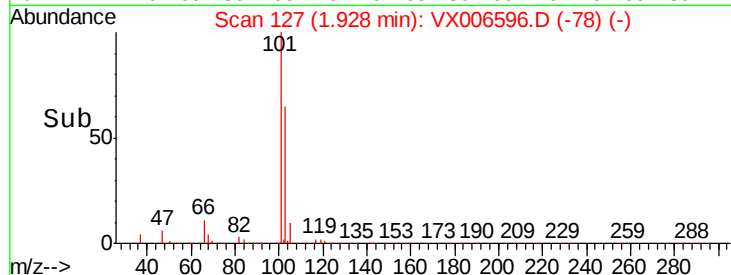
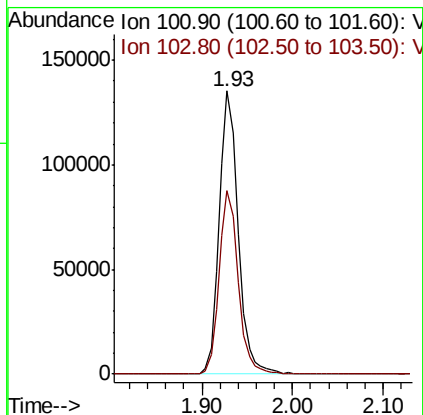
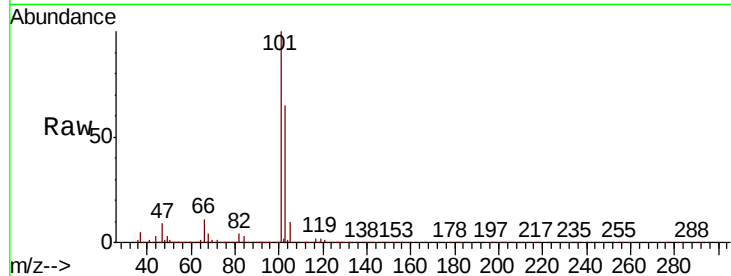


#7

Trichlorofluoromethane
Concen: 19.499 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

Instrument :
MSVOA_X
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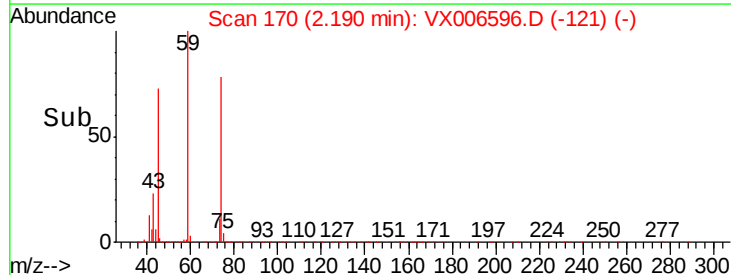
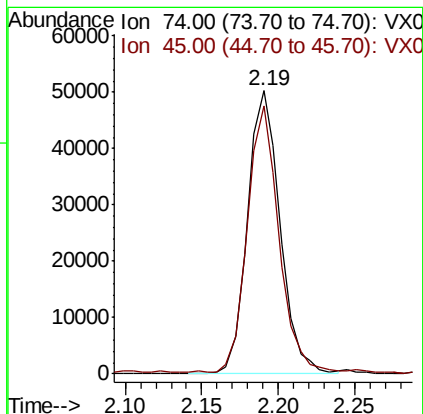
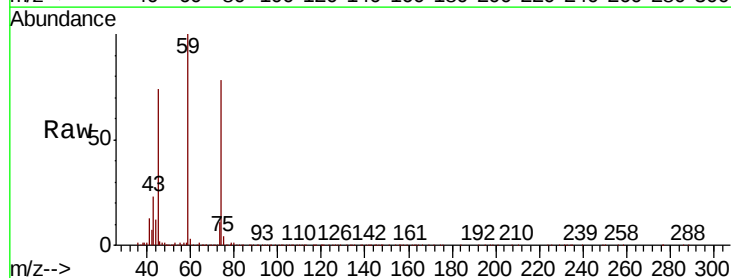
Tot Ion:101 Resp: 198095
Ion Ratio Lower Upper
101 100
103 64.6 51.0 76.4

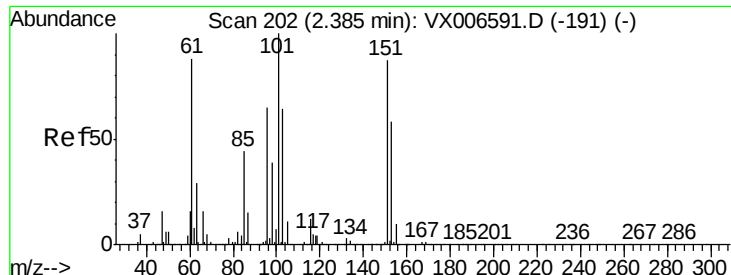


#8

Diethyl Ether
Concen: 18.445 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

Tgt Ion: 74 Resp: 74430
Ion Ratio Lower Upper
74 100
45 91.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.727 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBS01

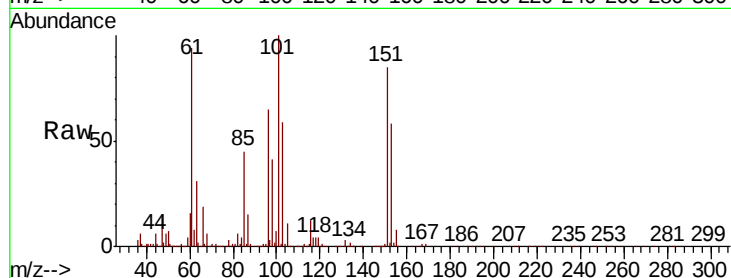
Tot Ion:101 Resp: 117673

Ion Ratio Lower Upper

101 100

85 44.1 35.5 53.3

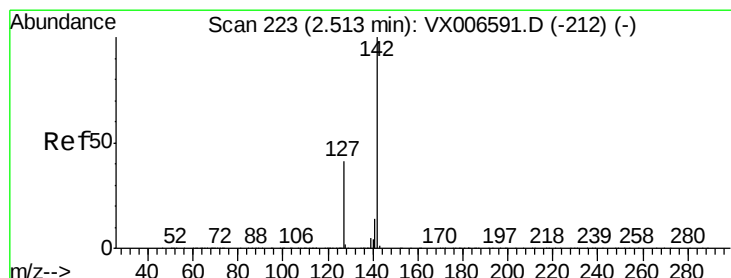
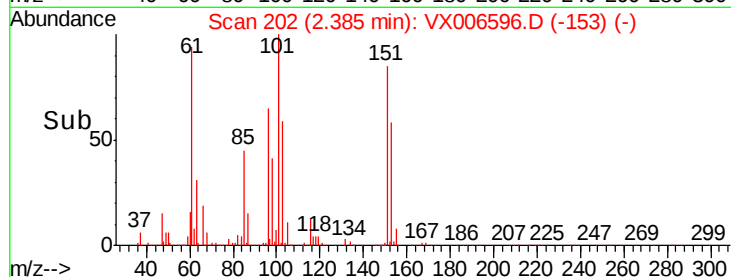
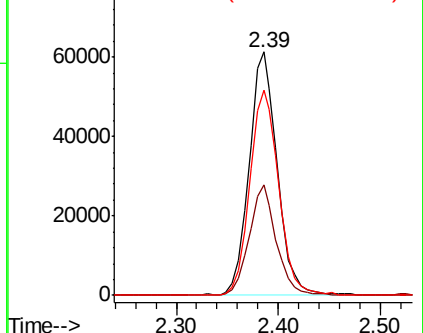
151 86.9 68.6 103.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.119 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

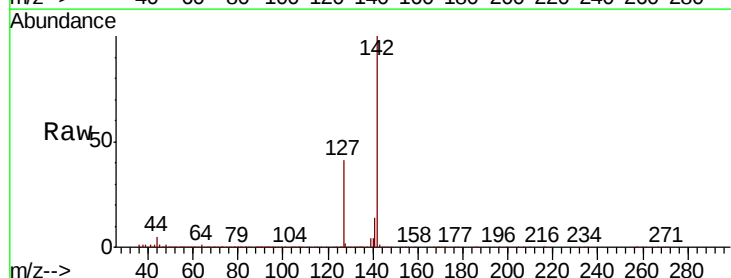
Tgt Ion:142 Resp: 146171

Ion Ratio Lower Upper

142 100

127 41.3 34.8 52.2

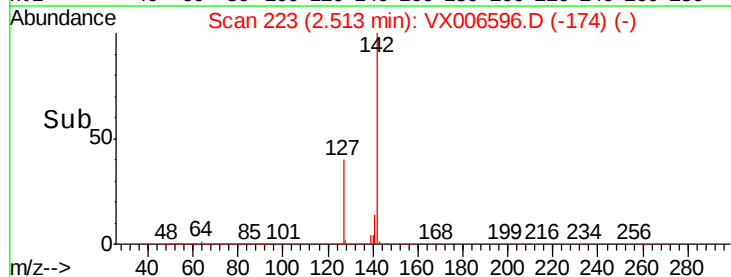
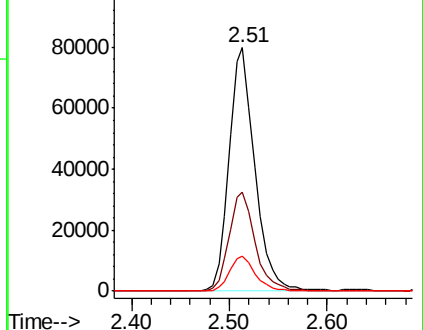
141 14.6 11.4 17.2

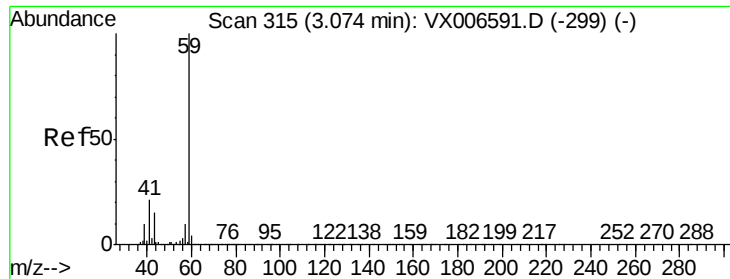


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

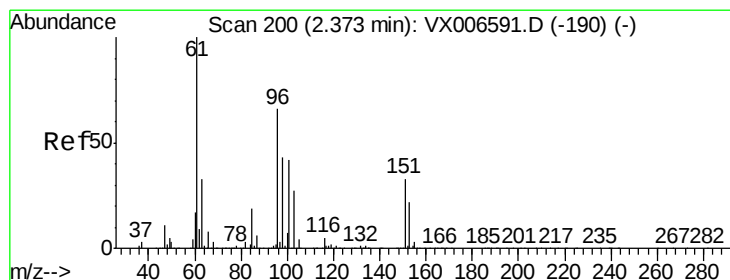
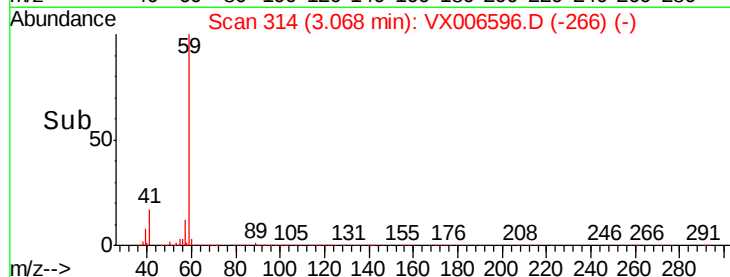
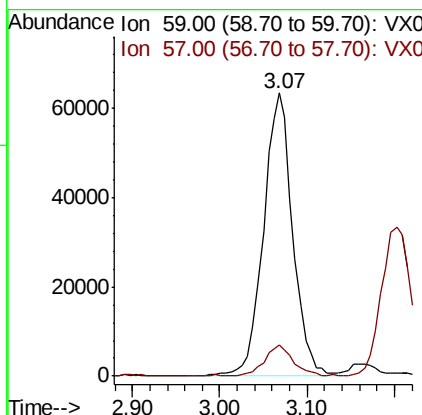
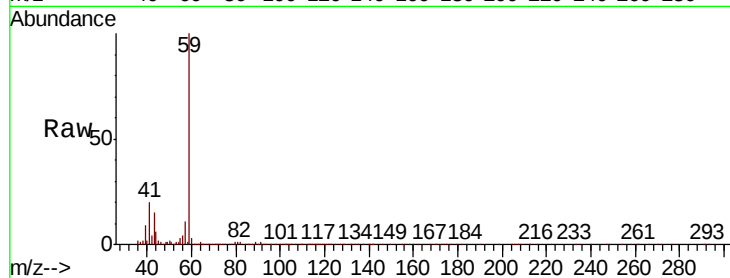




#11
Tert butyl alcohol
Concen: 96.829 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

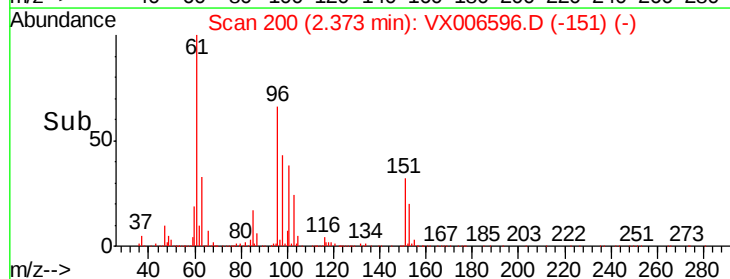
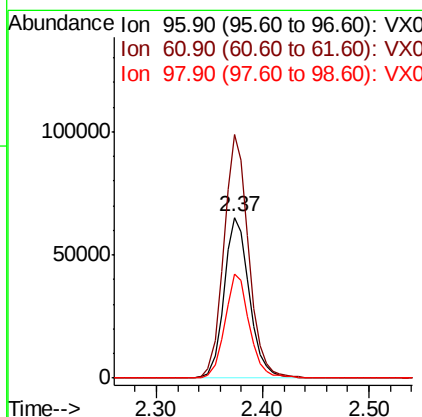
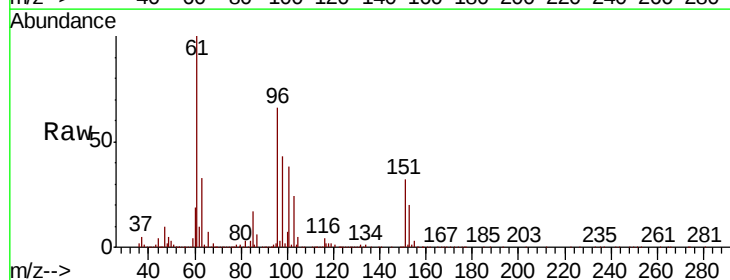
Instrument :
MSVOA_X
ClientSampleId :
VX1218WBS01

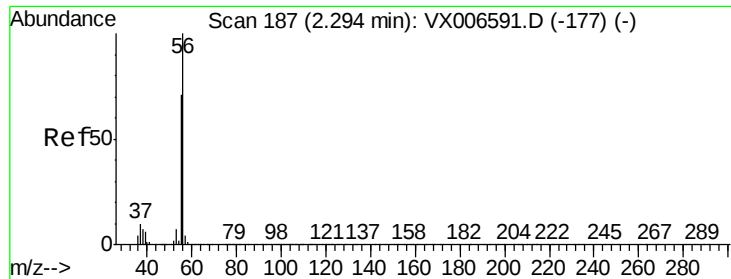
Tot Ion: 59 Resp: 147433
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2



#12
1,1-Dichloroethene
Concen: 18.981 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

Tgt Ion: 96 Resp: 107356
Ion Ratio Lower Upper
96 100
61 151.7 131.7 197.5
98 65.0 51.8 77.6





#13

Acrolein

Concen: 87.608 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

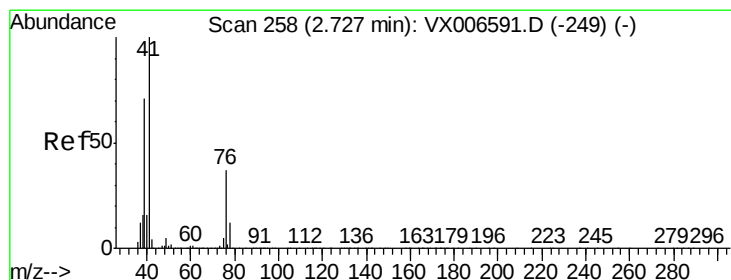
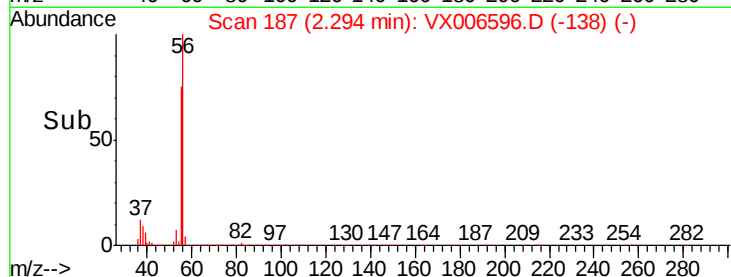
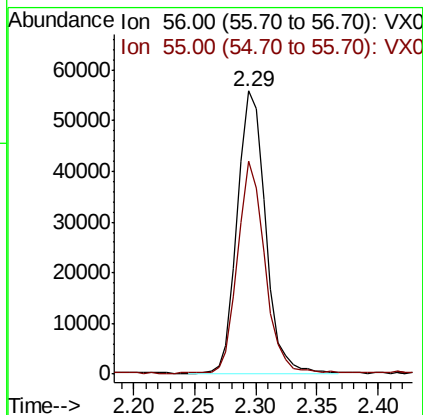
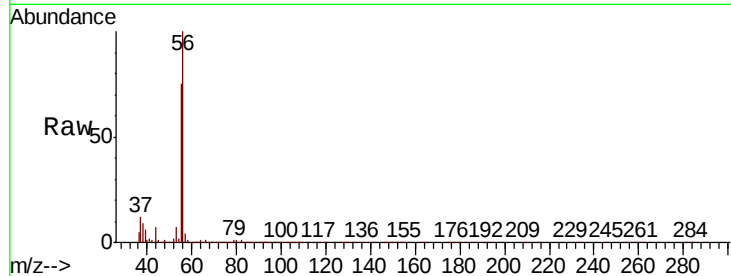
VX1218WBS01

Tot Ion: 56 Resp: 89988

Ion Ratio Lower Upper

56 100

55 72.8 57.8 86.6



#14

Allyl chloride

Concen: 19.037 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

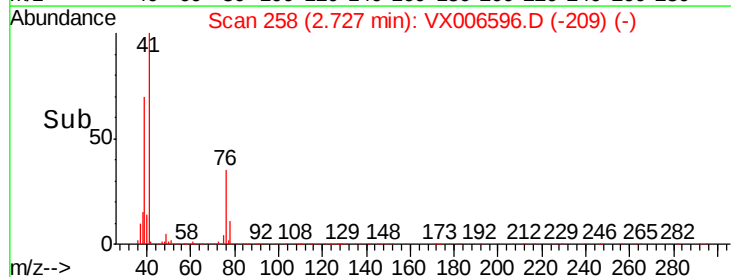
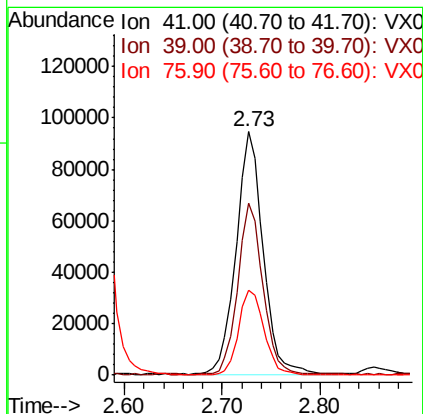
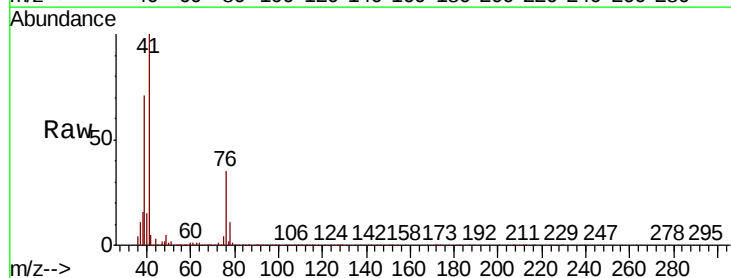
Tgt Ion: 41 Resp: 181240

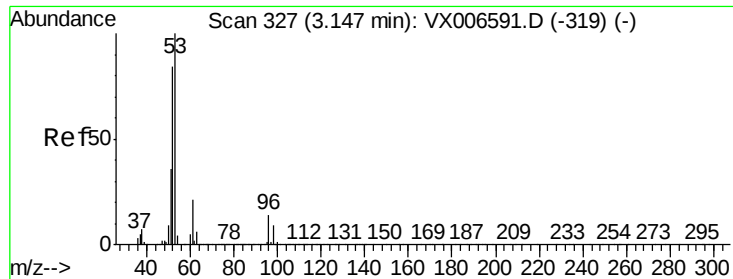
Ion Ratio Lower Upper

41 100

39 65.8 52.4 78.6

76 32.7 25.4 38.0





#15

Acrylonitrile

Concen: 95.324 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBS01

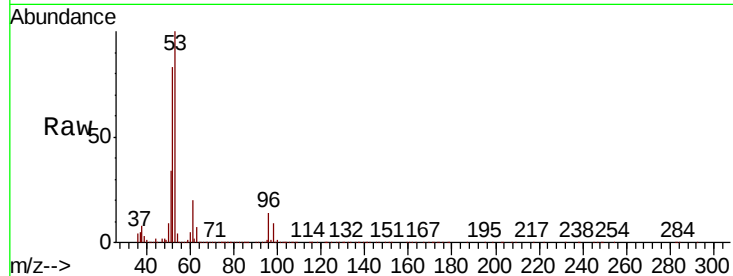
Tot Ion: 53 Resp: 322259

Ion Ratio Lower Upper

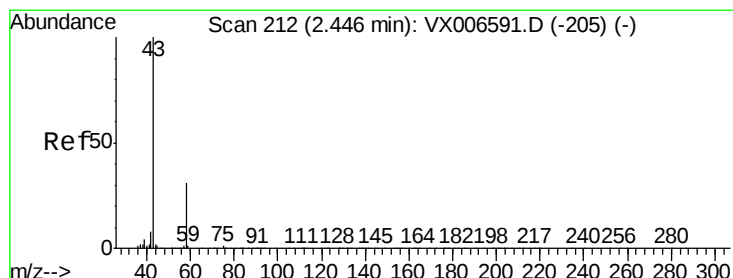
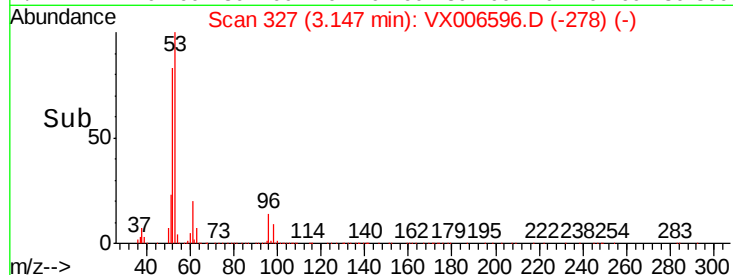
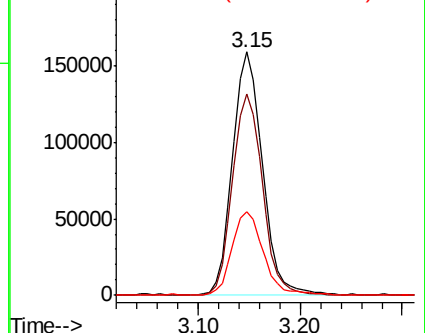
53 100

52 83.1 66.2 99.4

51 35.7 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 95.349 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006596.D

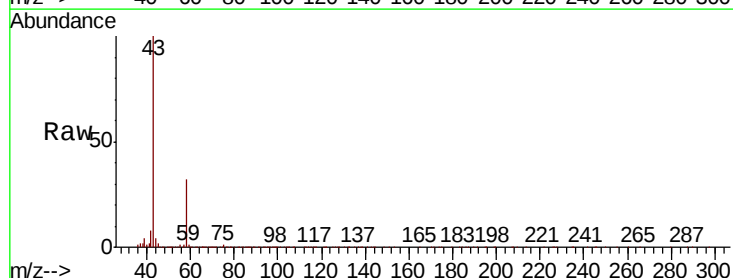
Acq: 18 Dec 2018 14:31

Tgt Ion: 43 Resp: 298873

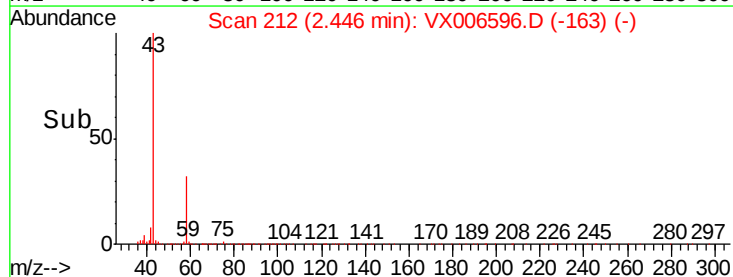
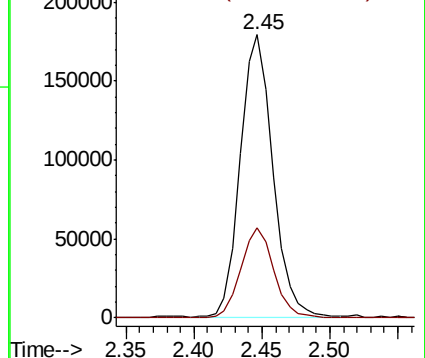
Ion Ratio Lower Upper

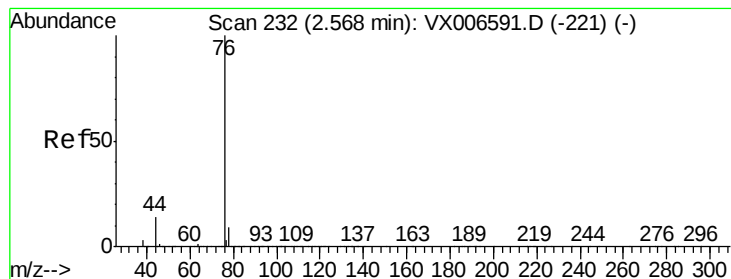
43 100

58 32.0 24.0 36.0



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





#17

Carbon Disulfide

Concen: 17.867 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

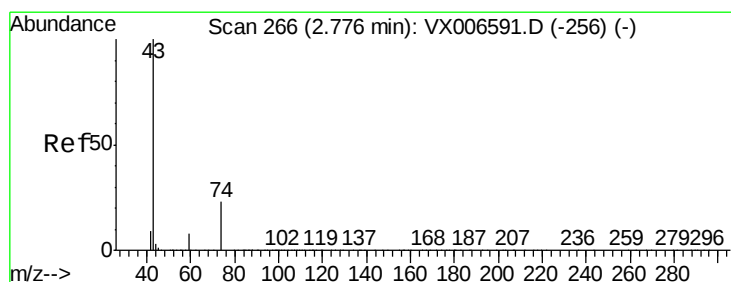
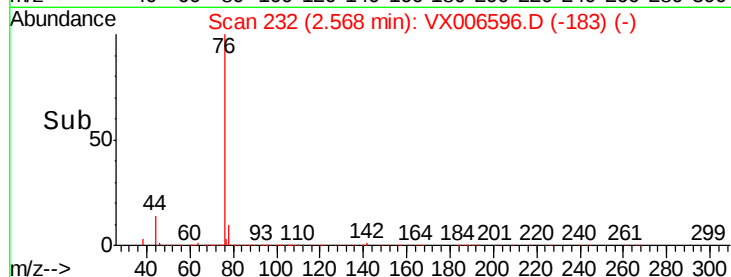
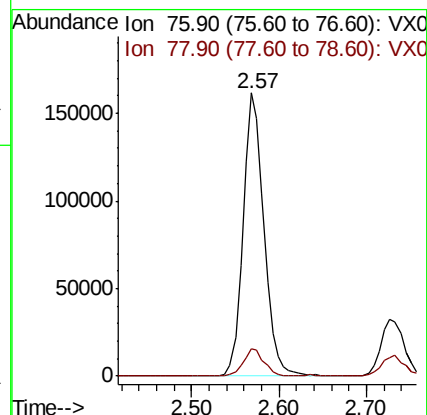
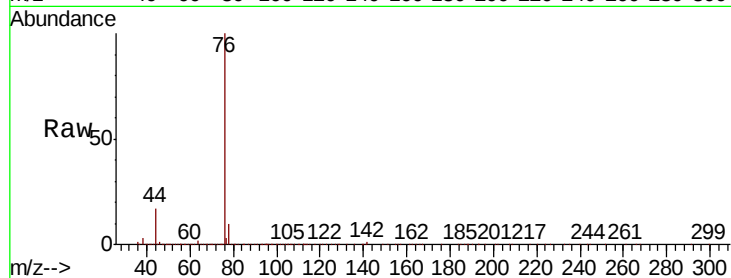
VX1218WBS01

Tot Ion: 76 Resp: 267425

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7



#18

Methyl Acetate

Concen: 19.228 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006596.D

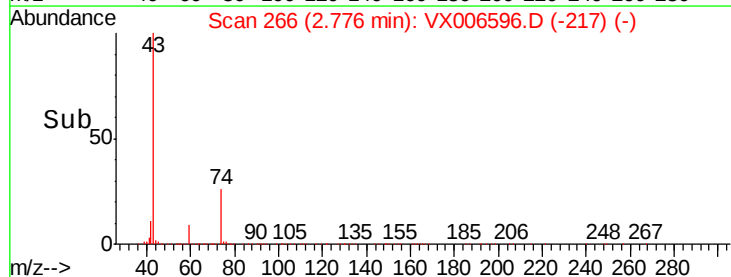
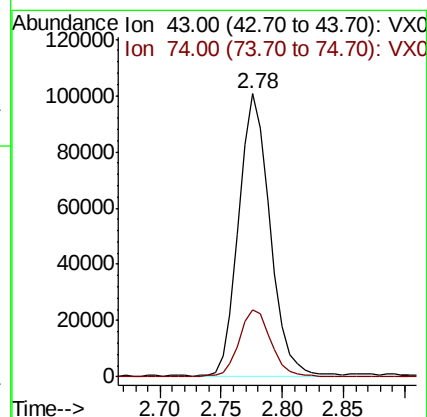
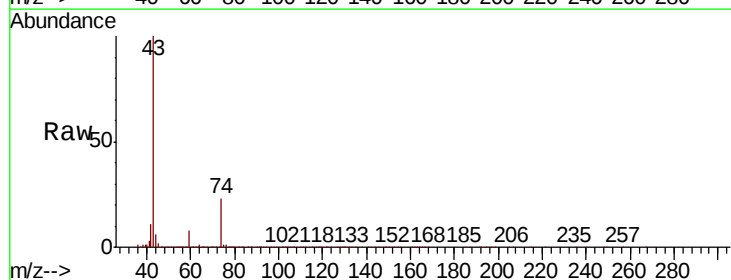
Acq: 18 Dec 2018 14:31

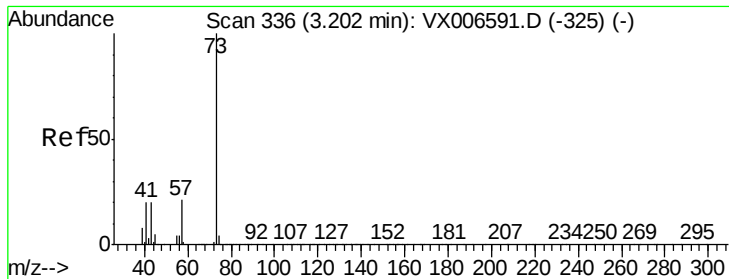
Tgt Ion: 43 Resp: 177227

Ion Ratio Lower Upper

43 100

74 24.4 17.9 26.9

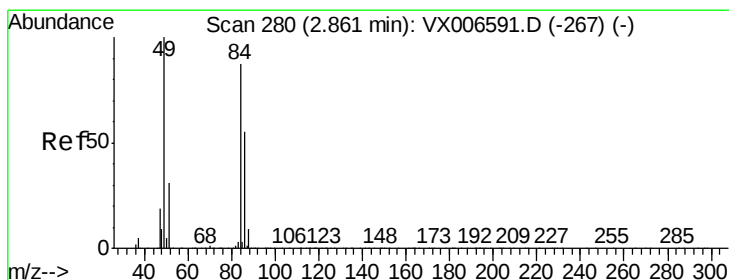
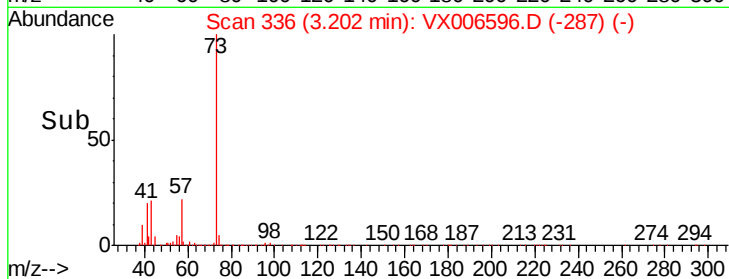
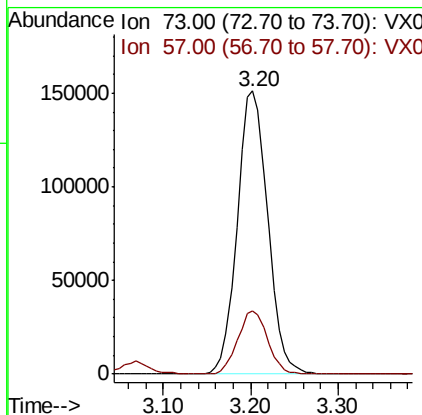
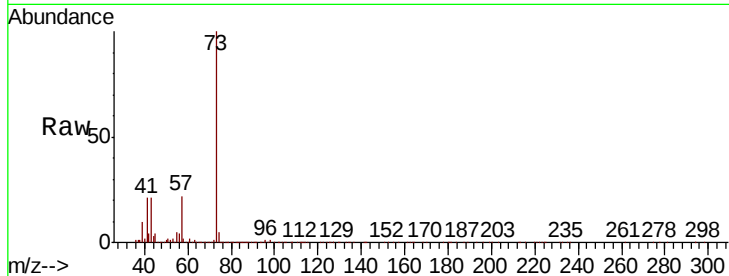




#19
Methyl tert-butyl Ether
Concen: 19.441 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

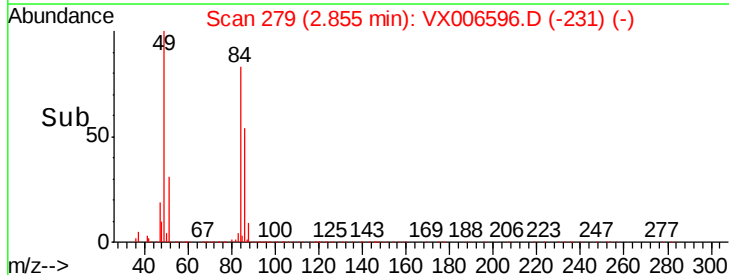
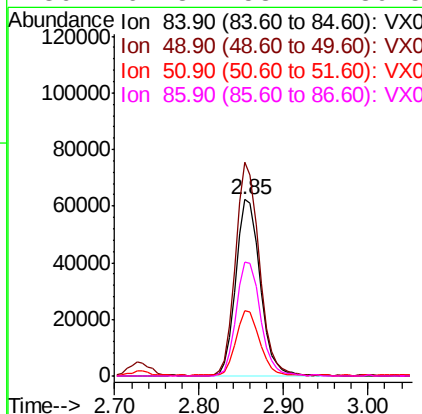
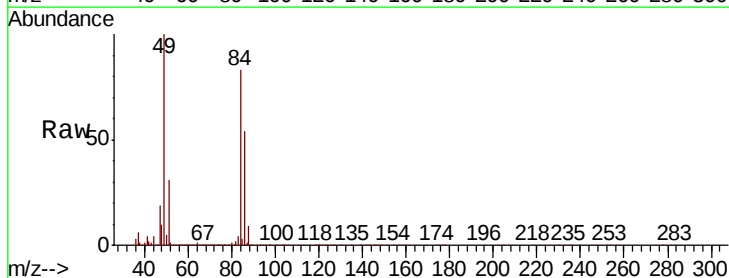
Instrument :
MSVOA_X
ClientSampleId :
VX1218WBS01

Tot Ion: 73 Resp: 364958
Ion Ratio Lower Upper
73 100
57 22.1 17.5 26.3



#20
Methylene Chloride
Concen: 18.628 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

Tgt Ion: 84 Resp: 120739
Ion Ratio Lower Upper
84 100
49 121.1 102.2 153.4
51 37.0 31.1 46.7
86 64.8 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 17.765 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBS01

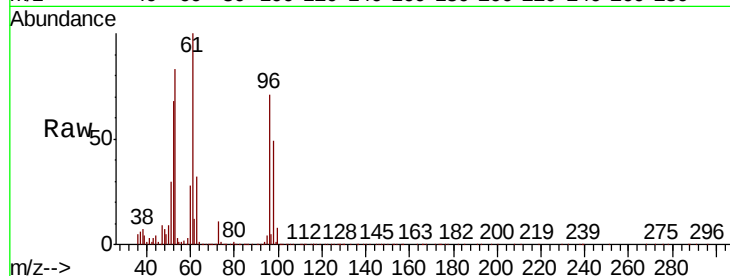
Tot Ion: 96 Resp: 111333

Ion Ratio Lower Upper

96 100

61 140.3 113.3 169.9

98 68.2 53.2 79.8

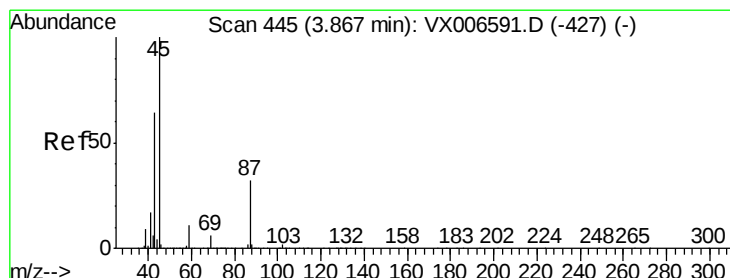
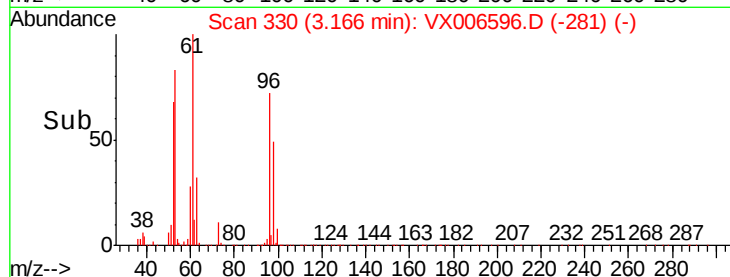
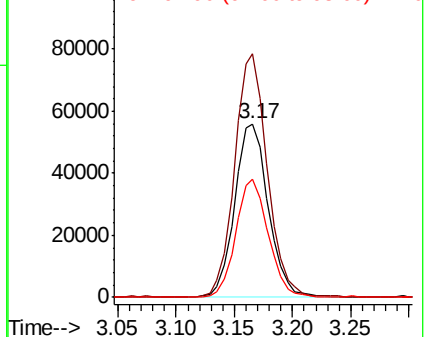


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.495 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Tgt Ion: 45 Resp: 339535

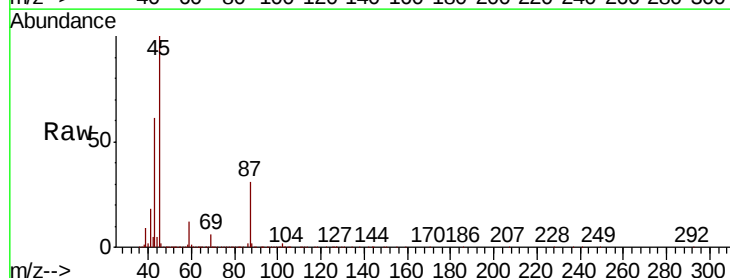
Ion Ratio Lower Upper

45 100

43 60.4 46.2 69.2

87 31.0 24.9 37.3

59 12.2 9.1 13.7



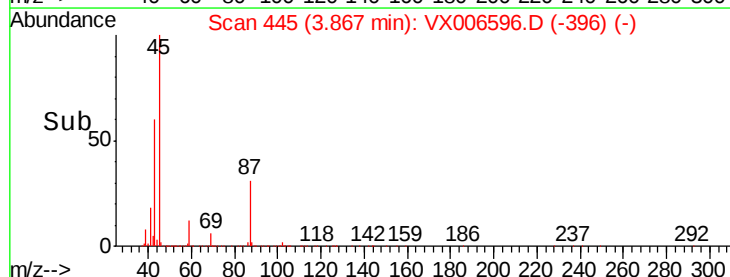
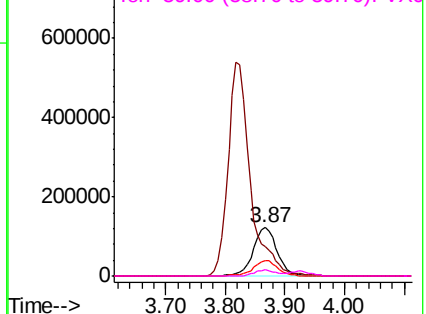
Abundance

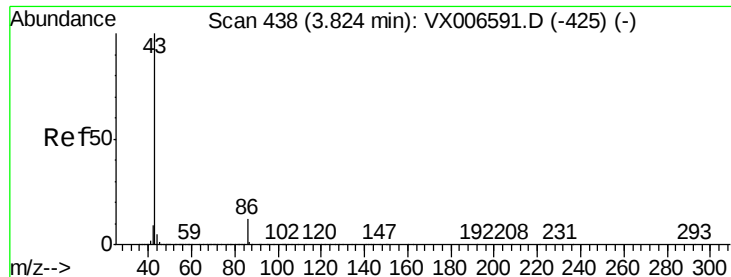
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 98.486 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

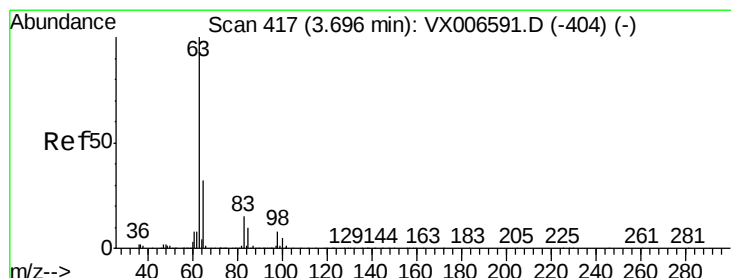
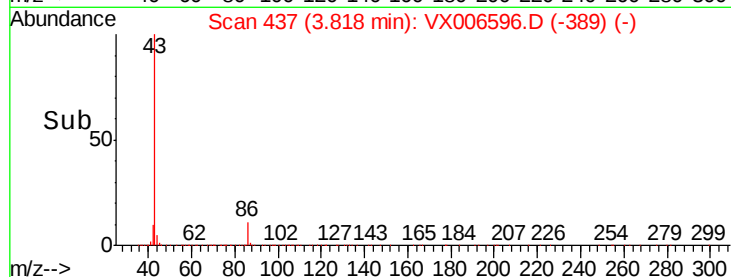
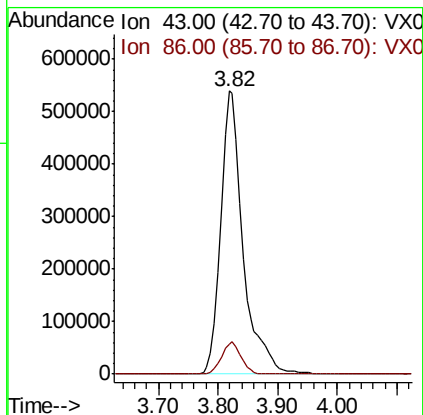
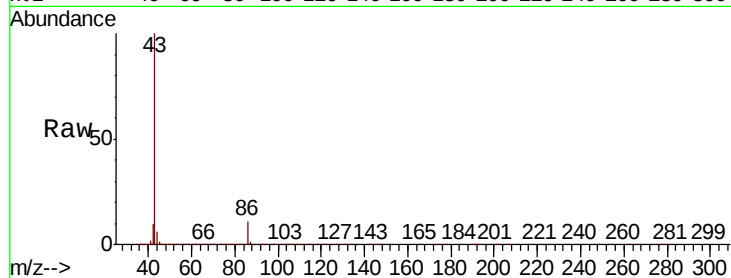
VX1218WBS01

Tot Ion: 43 Resp: 1403091

Ion Ratio Lower Upper

43 100

86 10.5 9.4 14.0



#24

1,1-Dichloroethane

Concen: 19.320 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

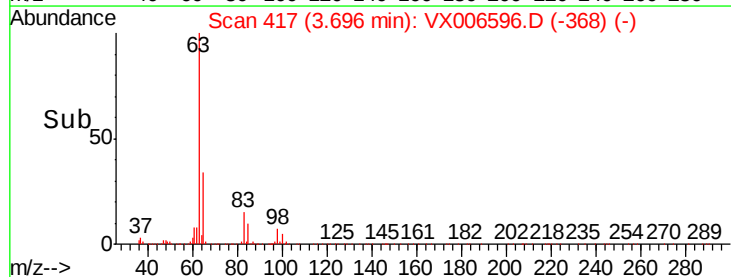
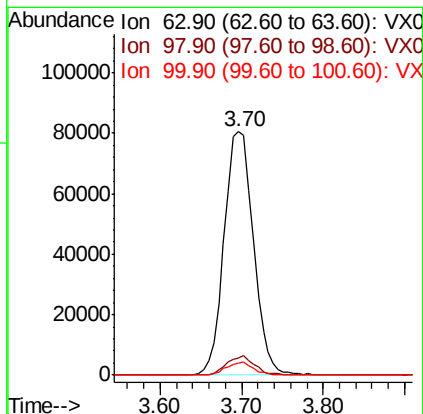
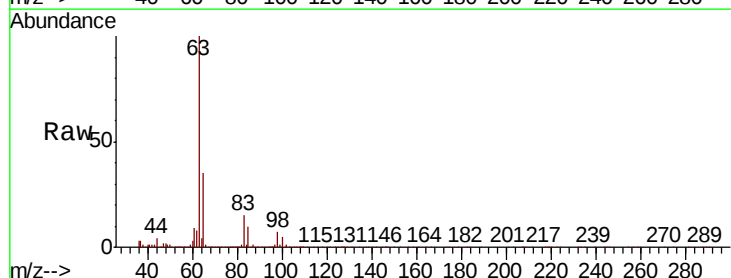
Tgt Ion: 63 Resp: 200875

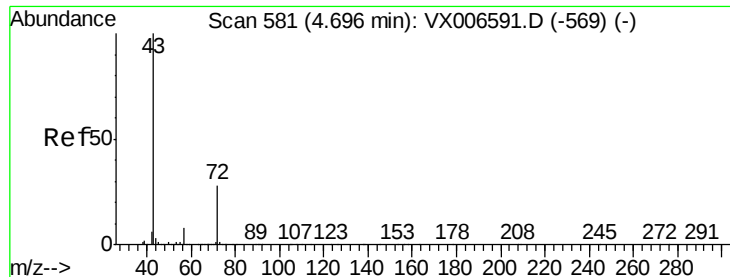
Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.4

100 4.8 2.5 7.4





#25

2-Butanone

Concen: 94.920 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

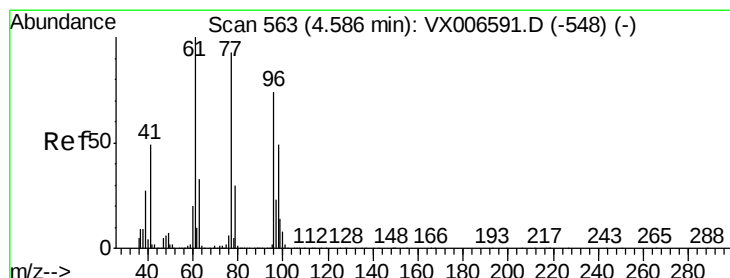
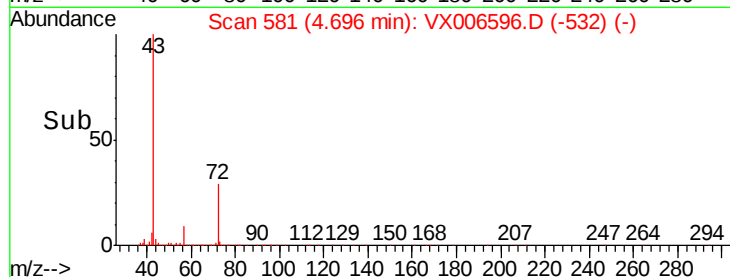
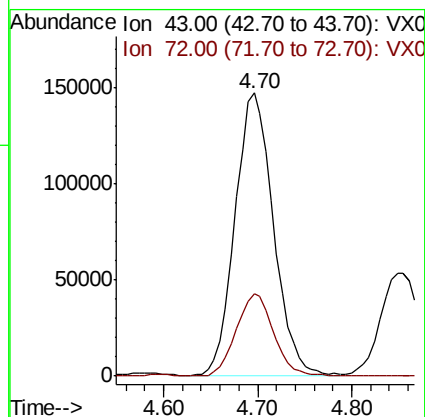
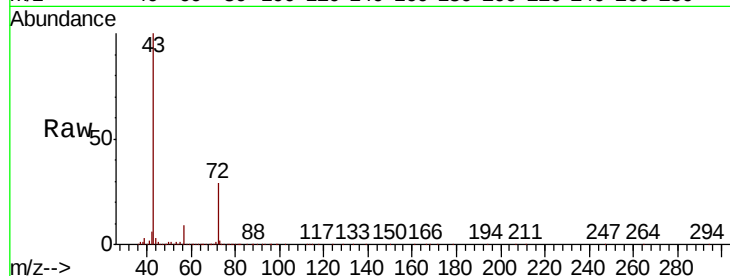
VX1218WBS01

Tot Ion: 43 Resp: 418509

Ion Ratio Lower Upper

43 100

72 29.2 22.6 33.8



#26

2,2-Dichloropropane

Concen: 19.277 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006596.D

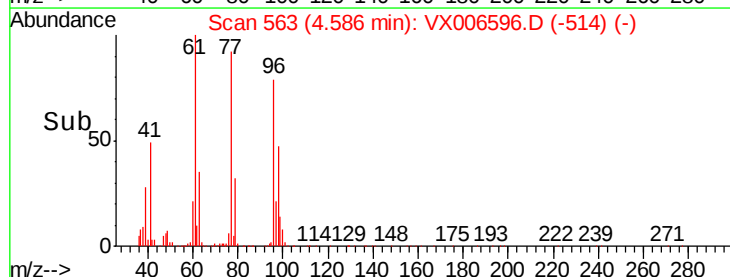
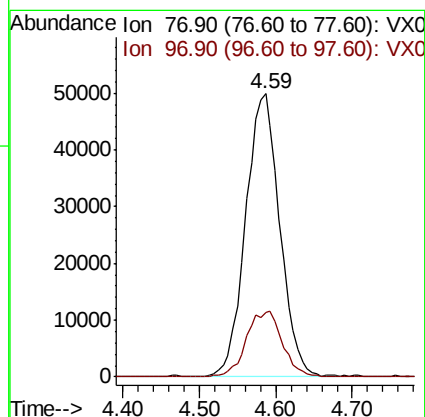
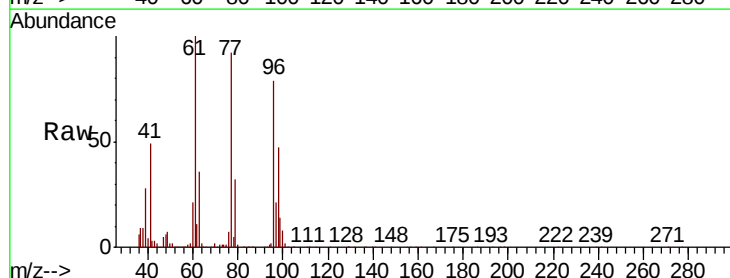
Acq: 18 Dec 2018 14:31

Tgt Ion: 77 Resp: 154818

Ion Ratio Lower Upper

77 100

97 24.5 12.3 36.8



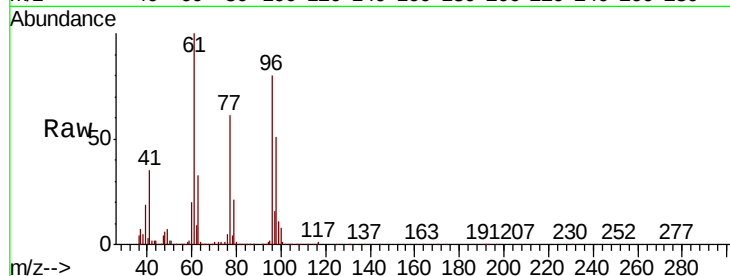


#27

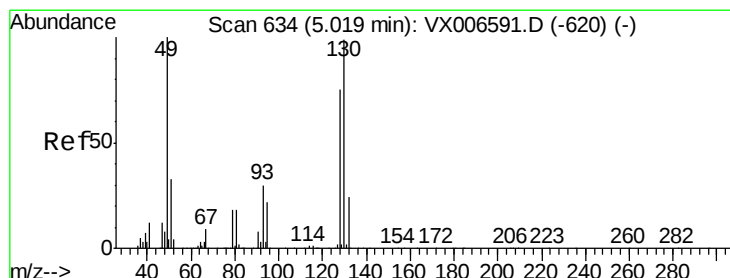
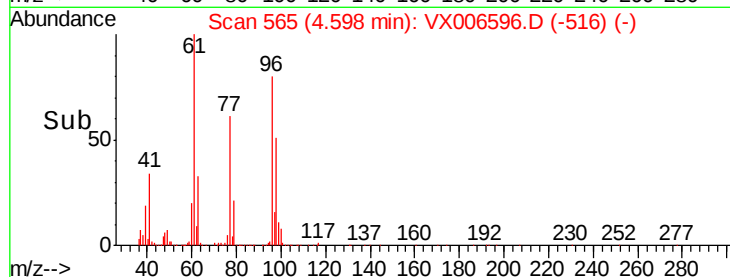
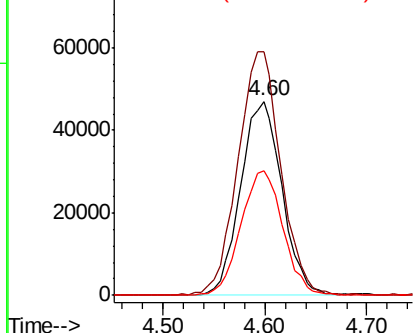
cis-1,2-Dichloroethene
 Concen: 19.206 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX006596.D
 Acq: 18 Dec 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1218WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	265.0
98	65.5	0.0	130.2



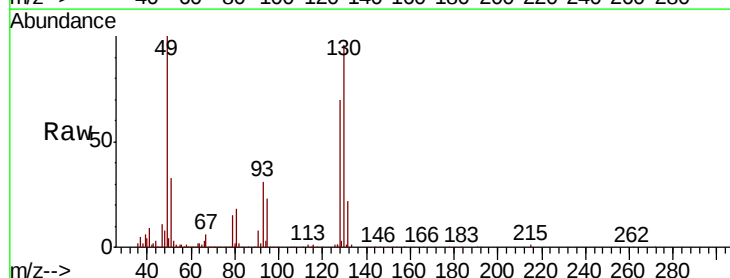
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



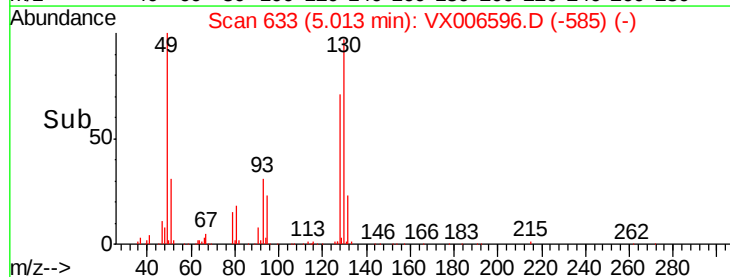
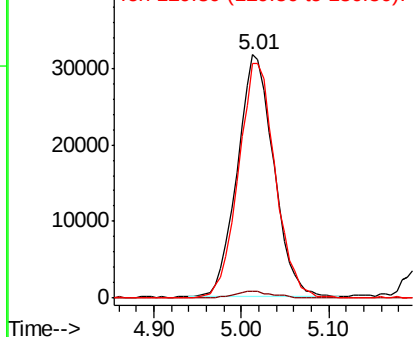
#28

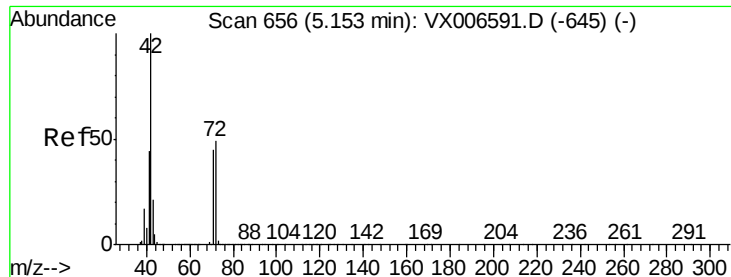
Bromochloromethane
 Concen: 19.683 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX006596.D
 Acq: 18 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.0
130	98.4	78.3	117.5



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





#29

Tetrahydrofuran

Concen: 93.600 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBS01

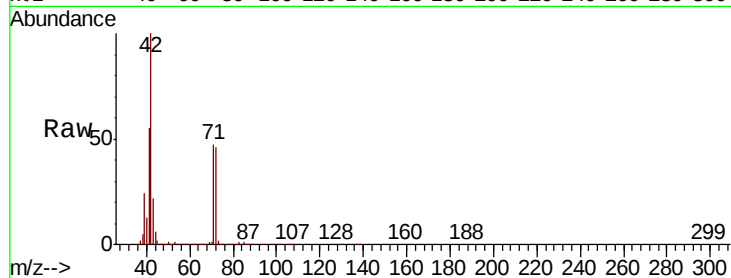
Tot Ion: 42 Resp: 271812

Ion Ratio Lower Upper

42 100

72 47.9 37.8 56.8

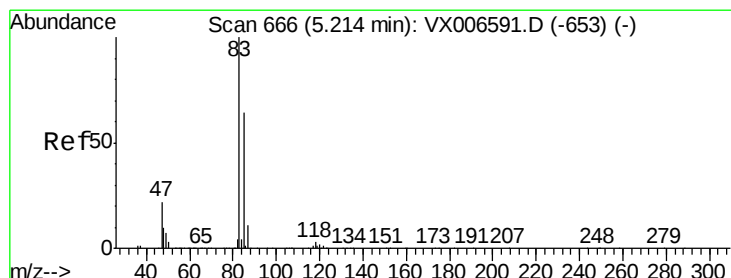
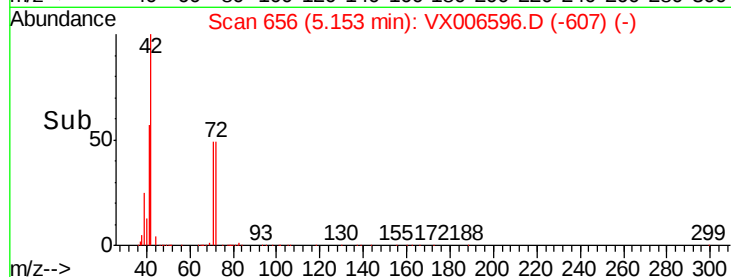
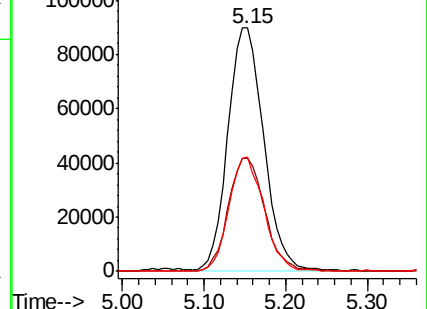
71 46.0 35.2 52.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 18.954 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX006596.D

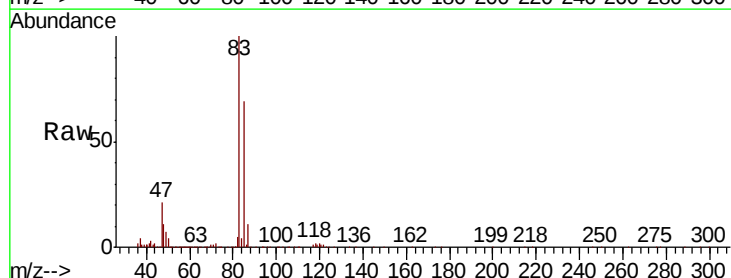
Acq: 18 Dec 2018 14:31

Tgt Ion: 83 Resp: 204075

Ion Ratio Lower Upper

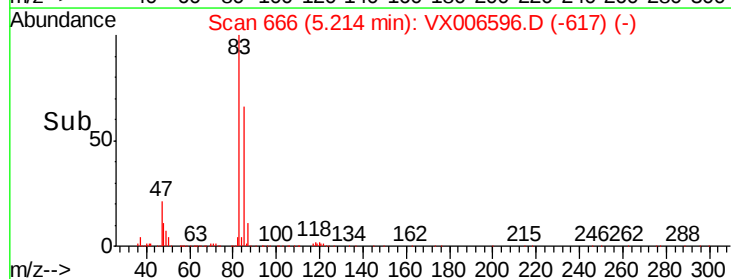
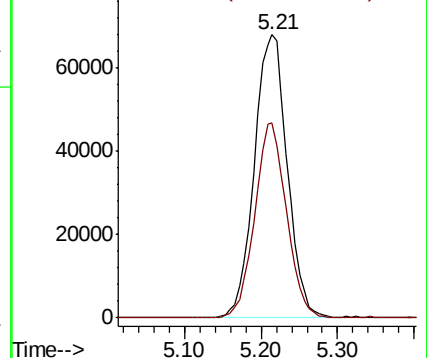
83 100

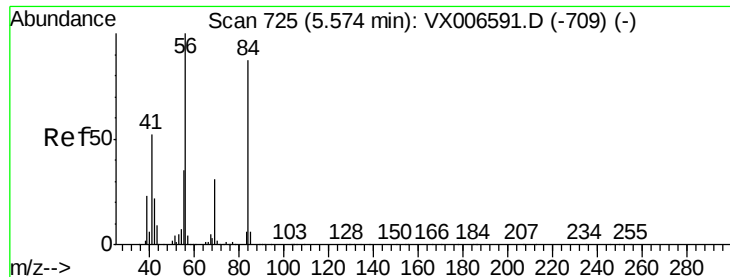
85 69.2 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

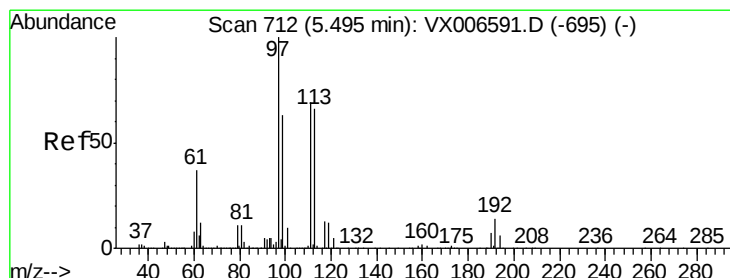
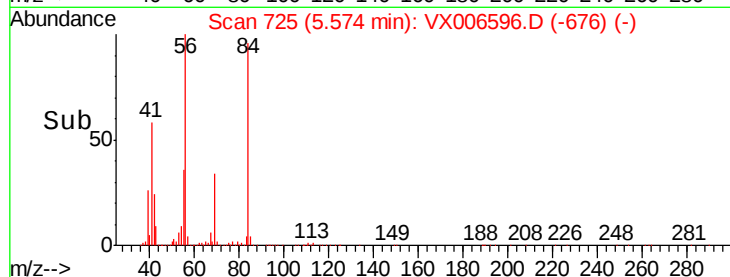
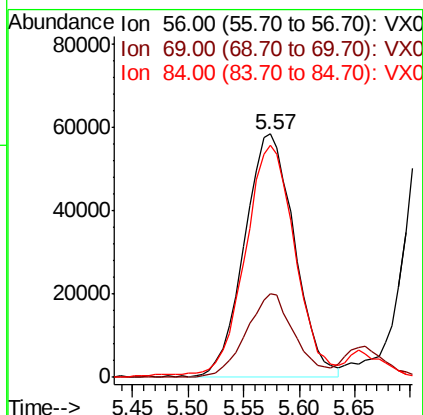
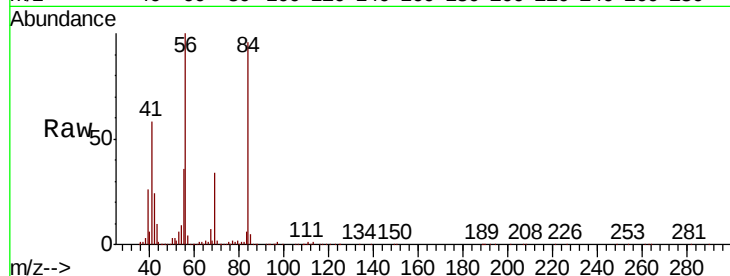




#31
Cyclohexane
Concen: 19.379 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

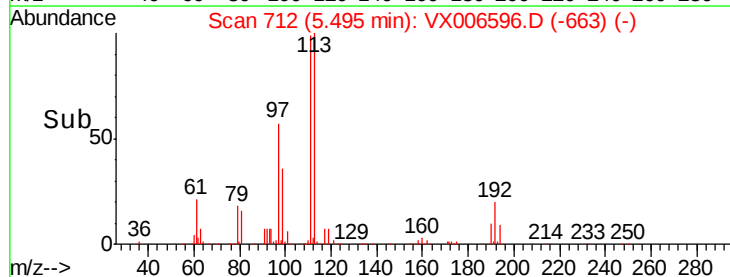
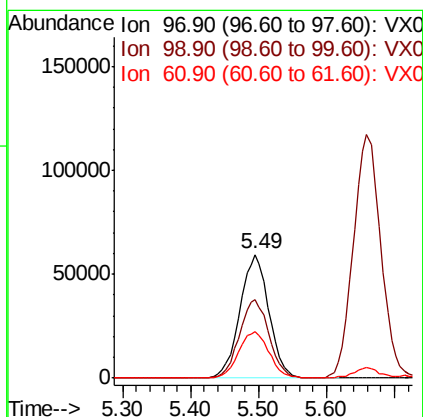
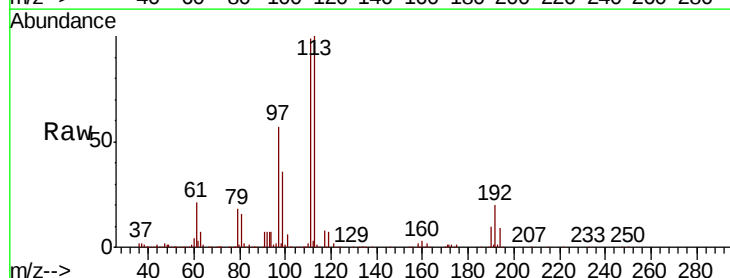
Instrument :
MSVOA_X
ClientSampleId :
VX1218WBS01

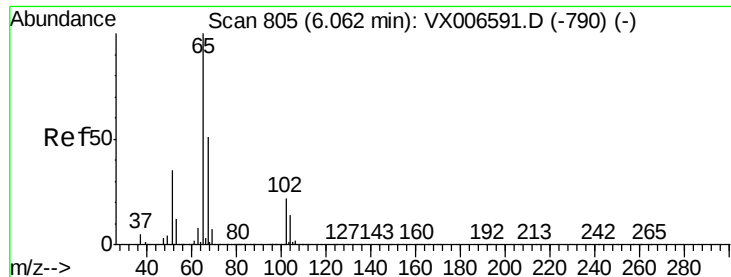
Tot Ion: 56 Resp: 183043
Ion Ratio Lower Upper
56 100
69 34.4 24.5 36.7
84 94.1 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 19.289 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

Tgt Ion: 97 Resp: 175358
Ion Ratio Lower Upper
97 100
99 65.1 51.6 77.4
61 39.2 30.6 46.0





#33

1,2-Dichloroethane-d4

Concen: 48.742 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

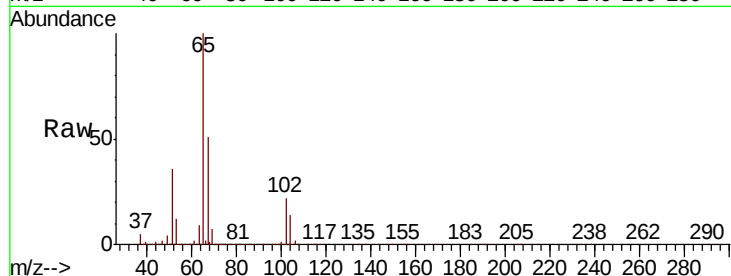
VX1218WBS01

Tot Ion: 65 Resp: 332545

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

150000

100000

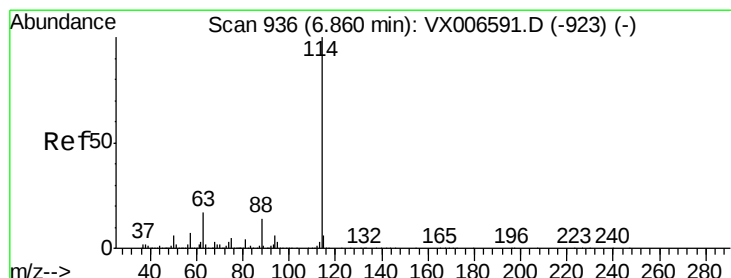
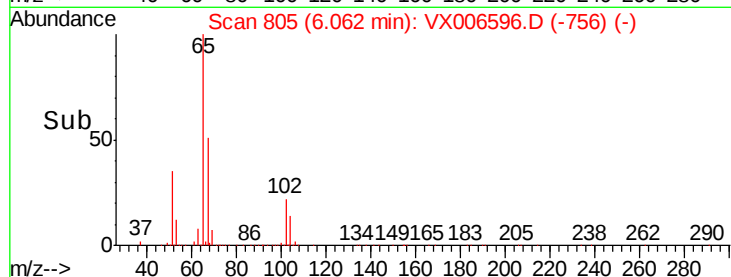
50000

0

6.06

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

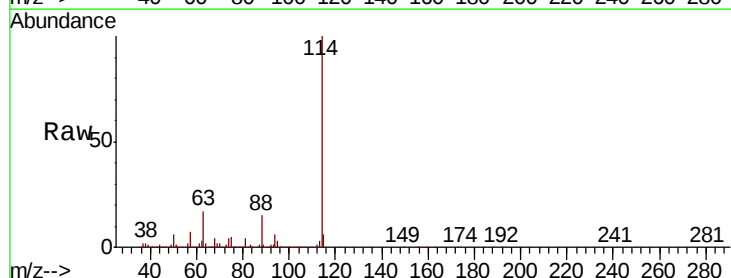
Tgt Ion: 114 Resp: 952616

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.6

88 14.9 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

500000

400000

300000

200000

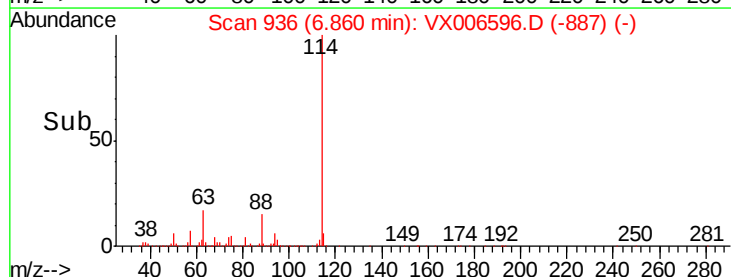
100000

0

6.86

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 49.628 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBS01

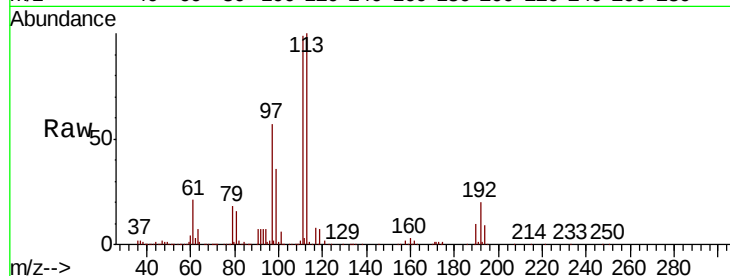
Tot Ion:113 Resp: 298970

Ion Ratio Lower Upper

113 100

111 101.3 81.1 121.7

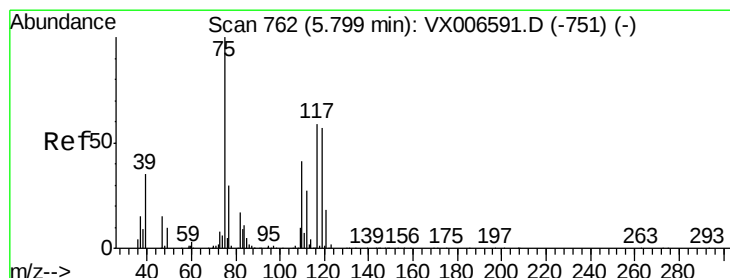
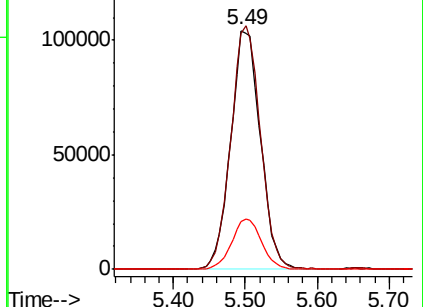
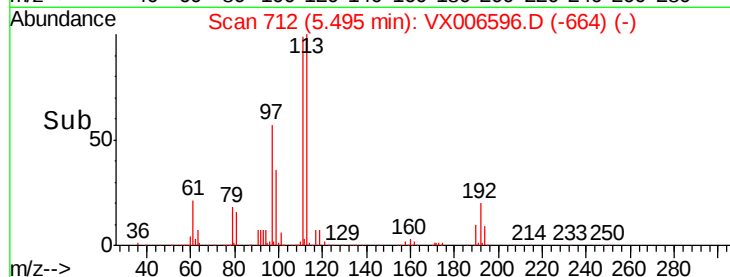
192 21.3 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.071 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

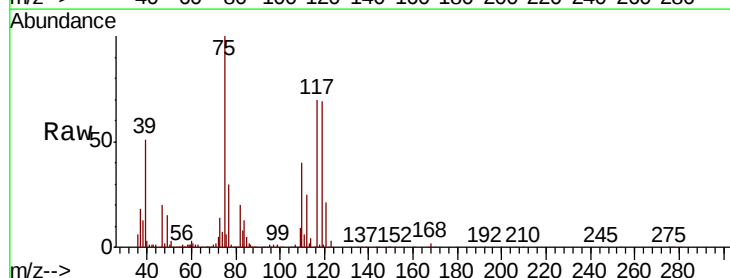
Tgt Ion: 75 Resp: 158357

Ion Ratio Lower Upper

75 100

110 40.7 20.4 61.3

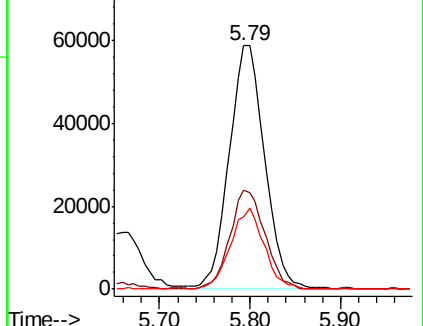
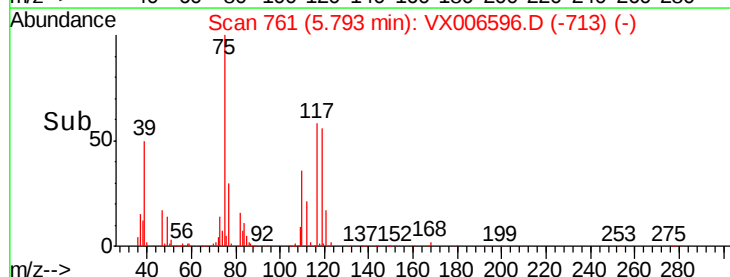
77 31.2 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

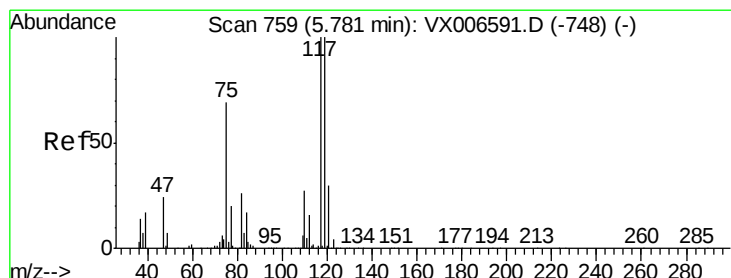
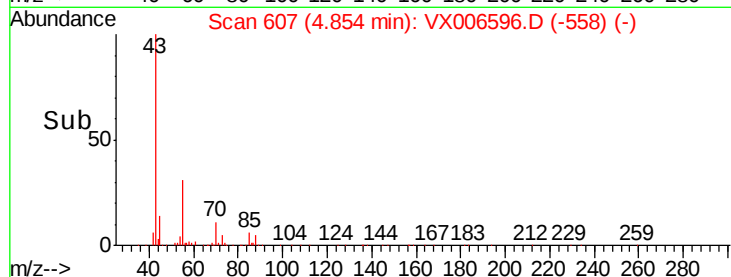
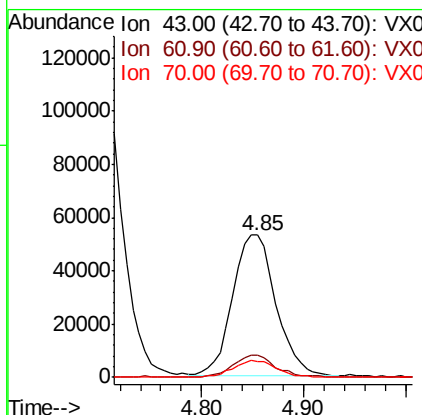
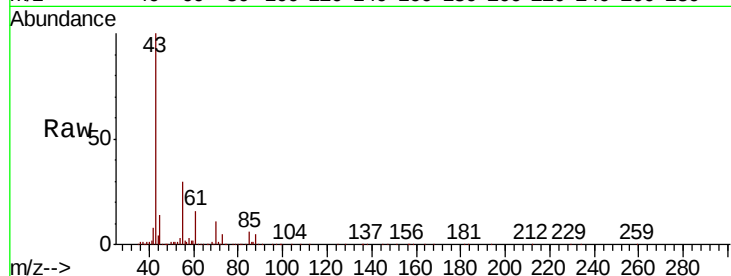




#37
Ethyl Acetate
Concen: 19.155 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

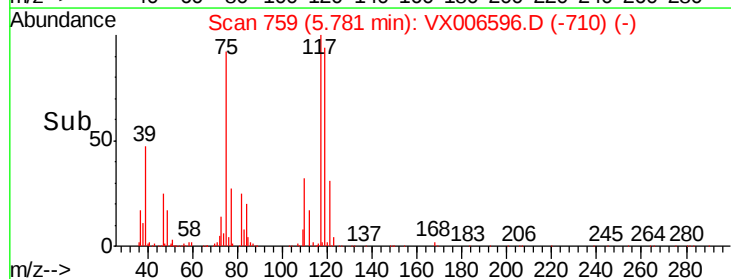
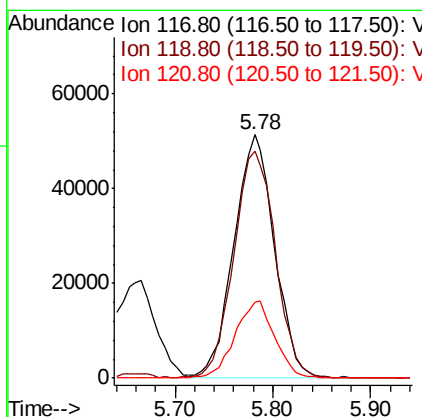
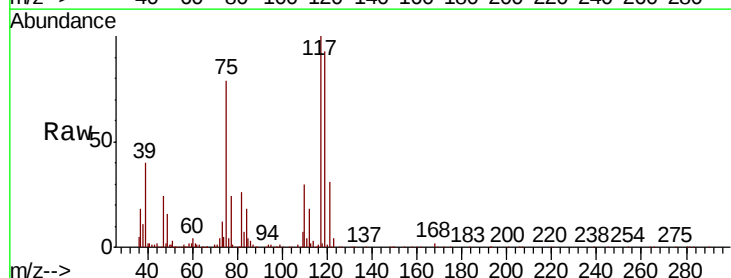
Instrument :
MSVOA_X
ClientSampleId :
VX1218WBS01

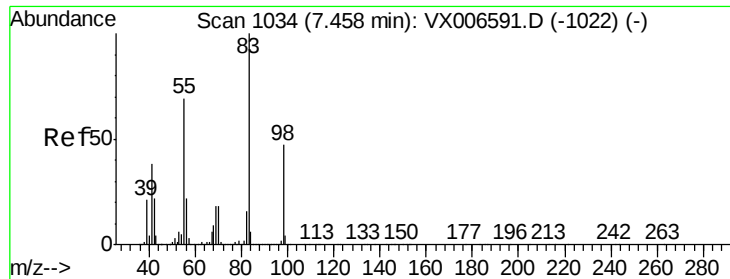
Tot Ion: 43 Resp: 157299
Ion Ratio Lower Upper
43 100
61 15.0 11.5 17.3
70 12.2 9.0 13.6



#38
Carbon Tetrachloride
Concen: 19.129 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

Tgt Ion: 117 Resp: 146676
Ion Ratio Lower Upper
117 100
119 93.3 75.8 113.8
121 31.2 24.6 37.0

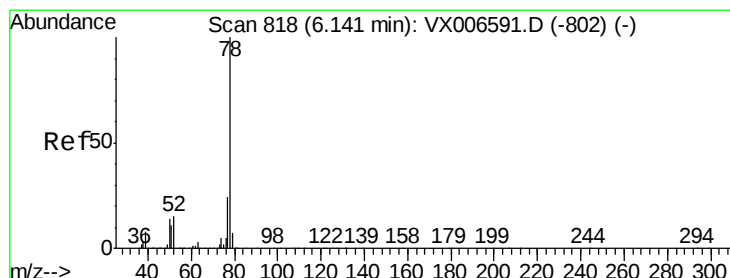
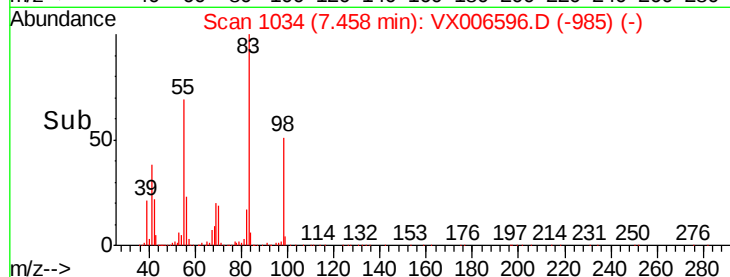
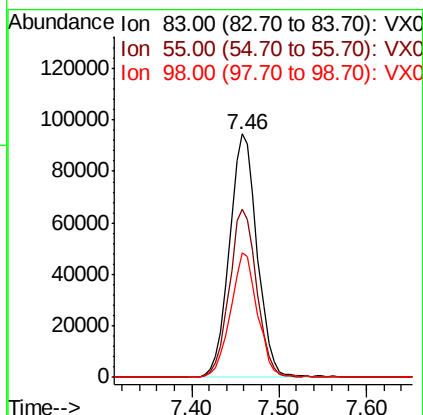
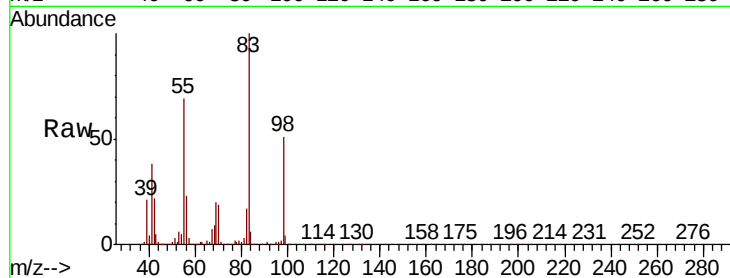




#39
Methvlcvclohexane
Concen: 20.085 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

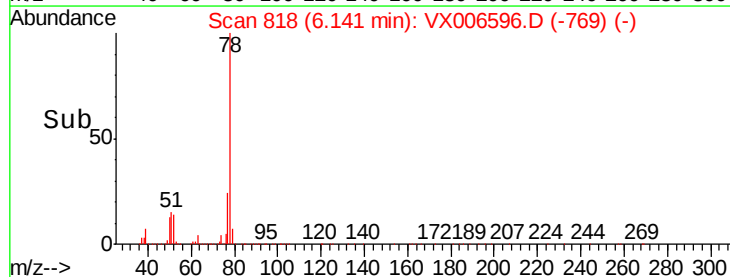
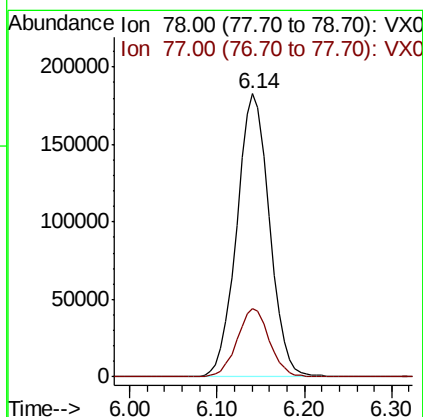
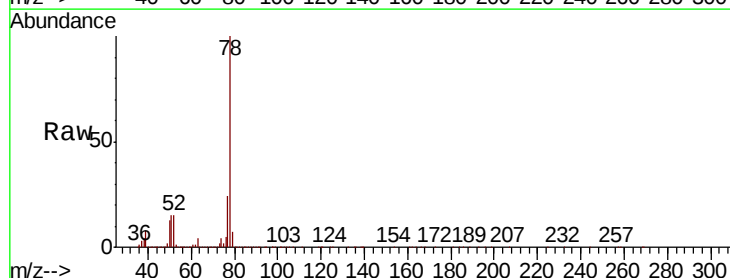
Instrument :
MSVOA_X
ClientSampleId :
VX1218WBS01

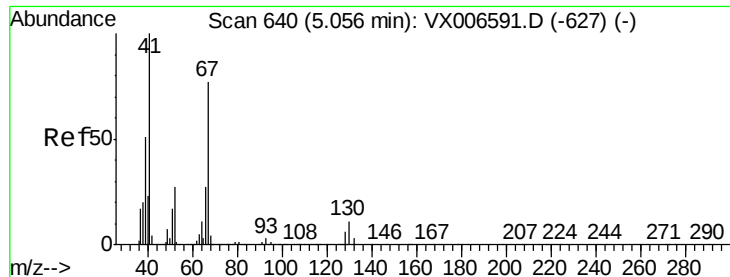
Tot Ion: 83 Resp: 208623
Ion Ratio Lower Upper
83 100
55 68.9 56.4 84.6
98 51.3 39.0 58.6



#40
Benzene
Concen: 19.739 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

Tgt Ion: 78 Resp: 473403
Ion Ratio Lower Upper
78 100
77 24.4 19.2 28.8





#41

Methacrylonitrile

Concen: 18.789 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBS01

Tot Ion: 41 Resp: 86703

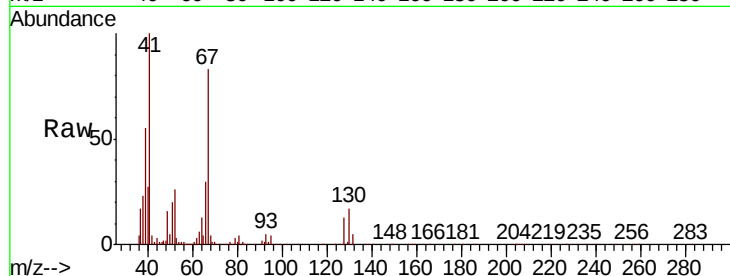
Ion Ratio Lower Upper

41 100

39 54.7 44.0 66.0

67 81.8 61.4 92.0

52 30.8 23.5 35.3

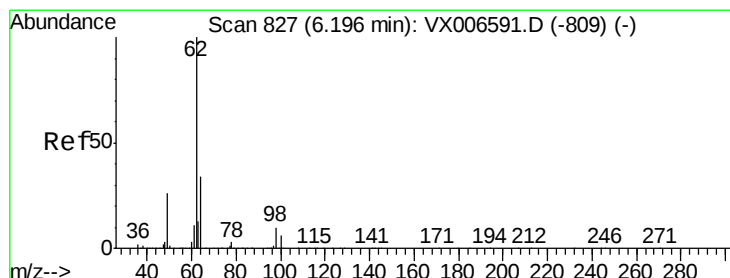
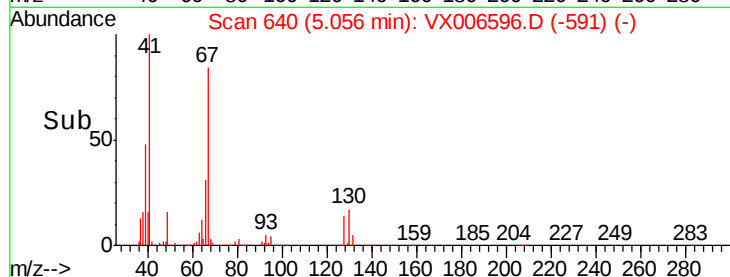
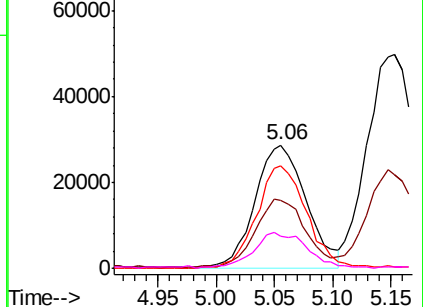


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.278 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX006596.D

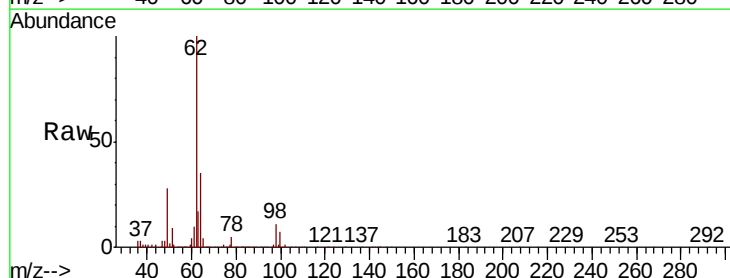
Acq: 18 Dec 2018 14:31

Tgt Ion: 62 Resp: 157544

Ion Ratio Lower Upper

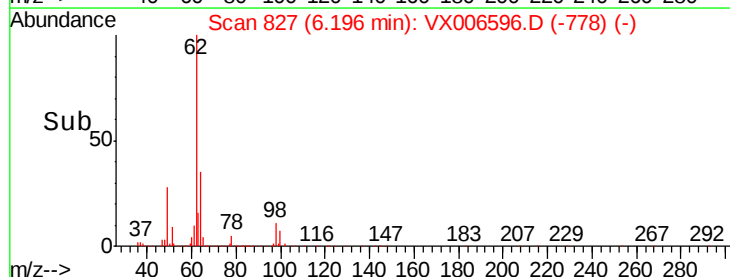
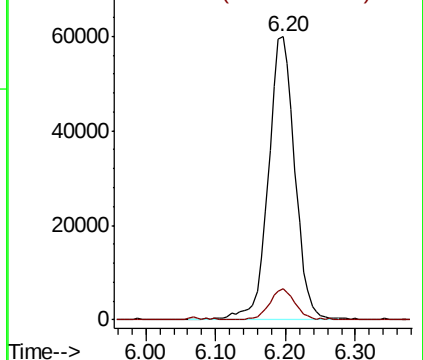
62 100

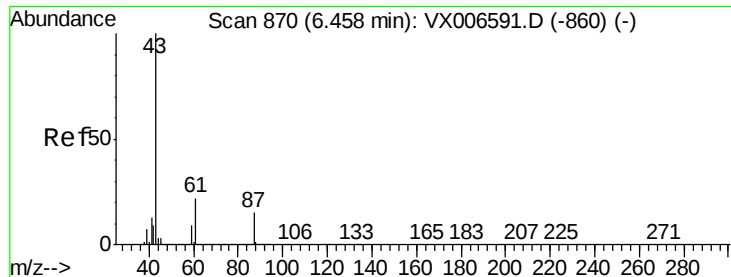
98 10.8 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.881 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampled :

VX1218WBS01

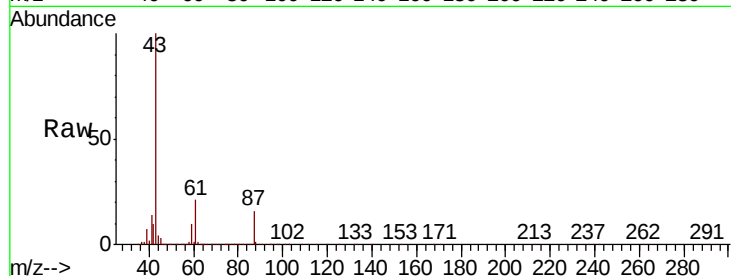
Tot Ion: 43 Resp: 248411

Ion Ratio Lower Upper

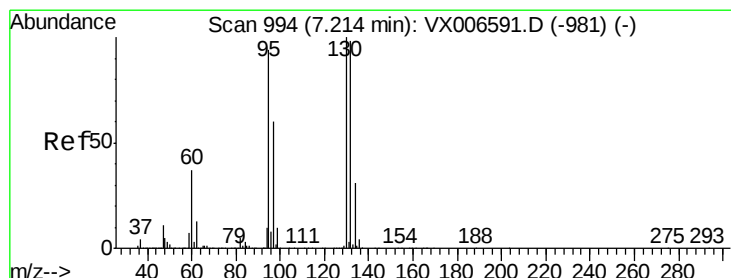
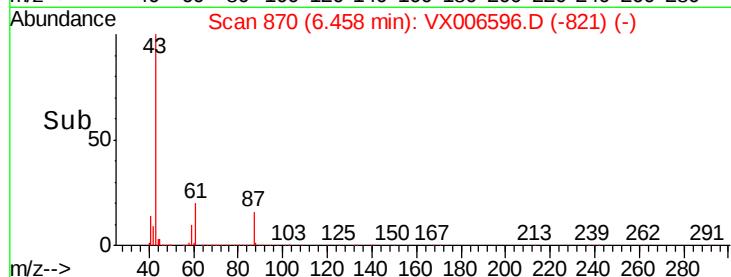
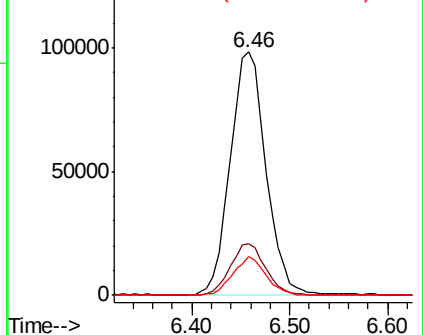
43 100

61 21.4 16.8 25.2

87 14.8 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 19.417 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX006596.D

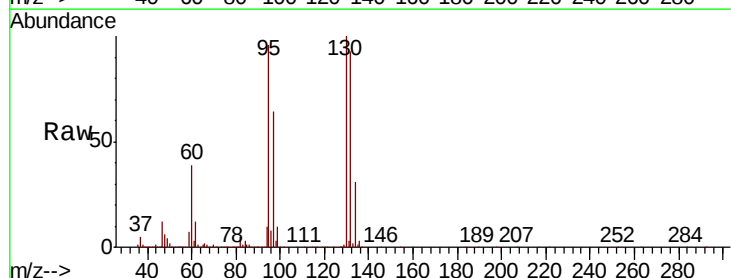
Acq: 18 Dec 2018 14:31

Tgt Ion:130 Resp: 140944

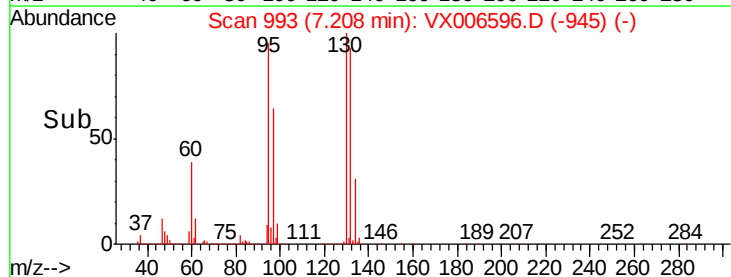
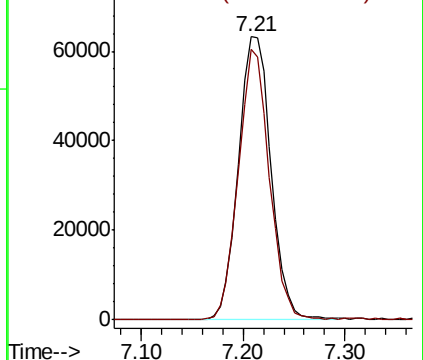
Ion Ratio Lower Upper

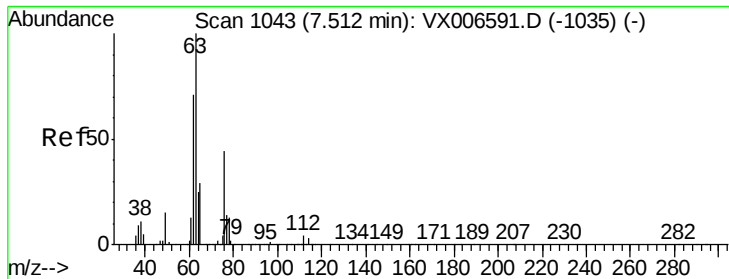
130 100

95 95.5 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.414 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

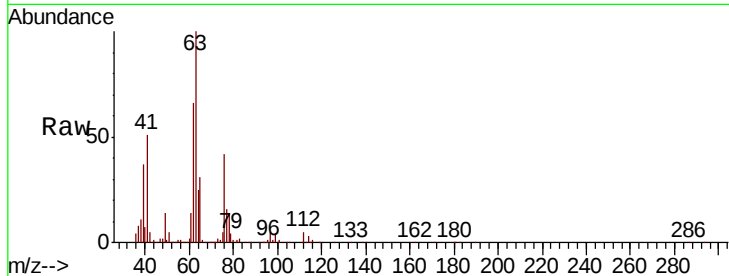
VX1218WBS01

Tot Ion: 63 Resp: 113305

Ion Ratio Lower Upper

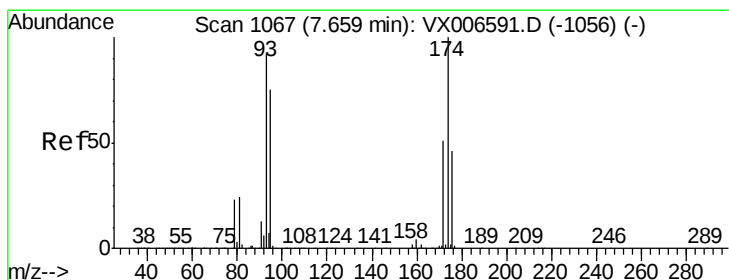
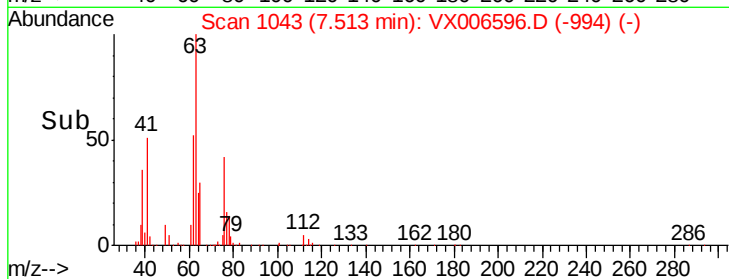
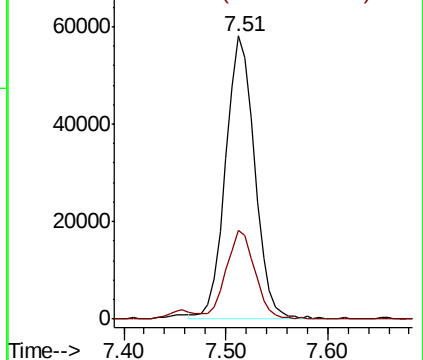
63 100

65 31.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.530 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

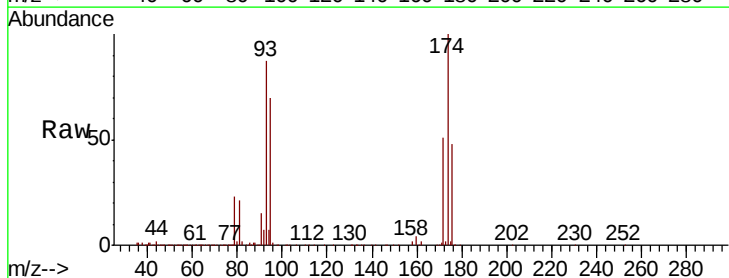
Tgt Ion: 93 Resp: 83837

Ion Ratio Lower Upper

93 100

95 81.2 66.2 99.4

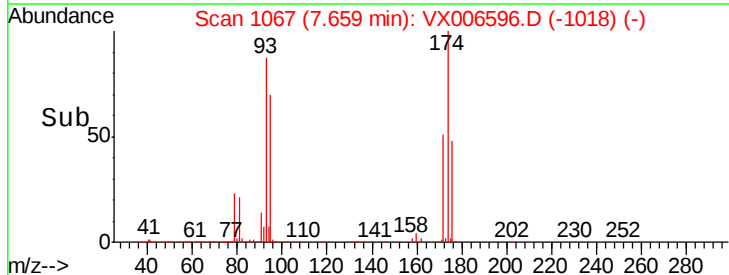
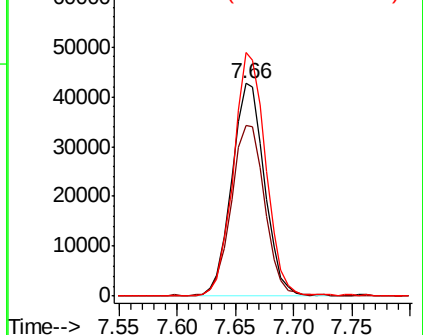
174 112.6 97.2 145.8

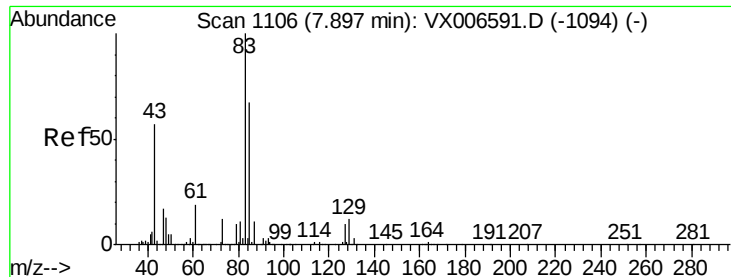


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.702 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBS01

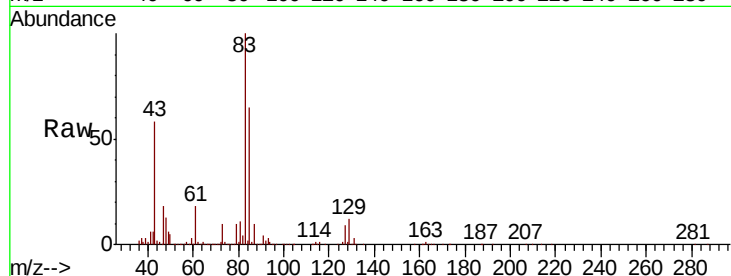
Tot Ion: 83 Resp: 133289

Ion Ratio Lower Upper

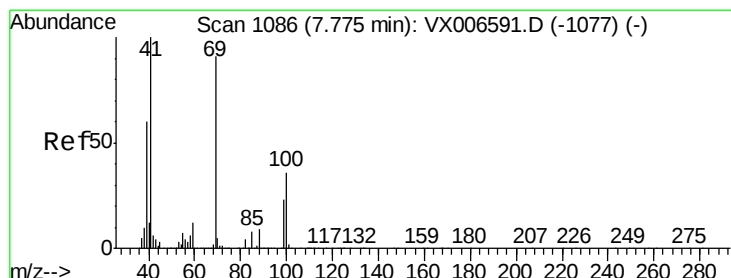
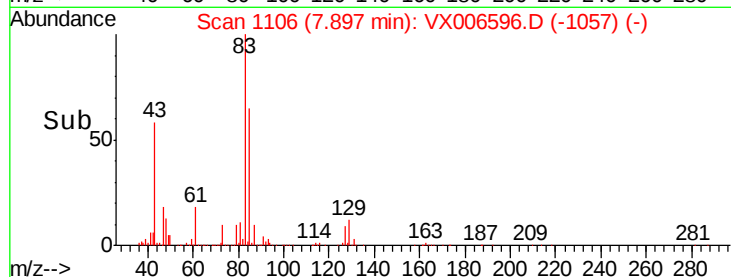
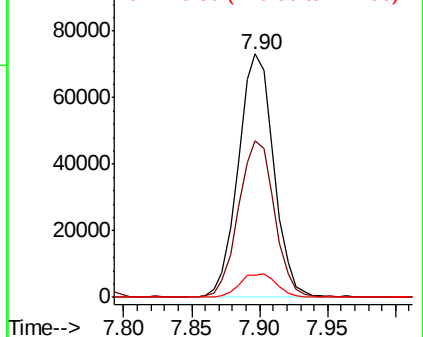
83 100

85 64.5 51.4 77.0

127 9.0 7.9 11.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.268 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

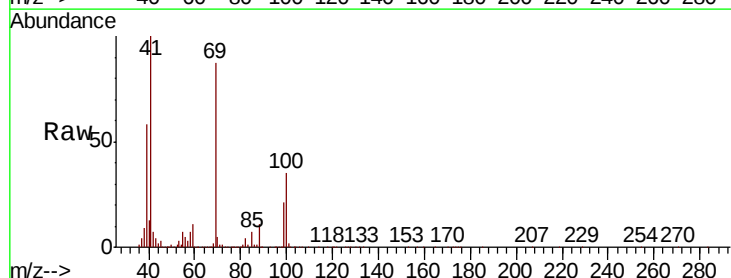
Tgt Ion: 41 Resp: 128784

Ion Ratio Lower Upper

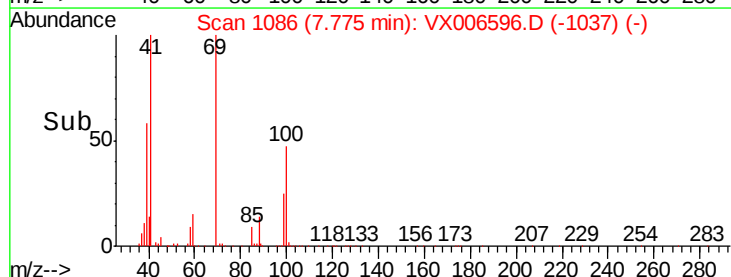
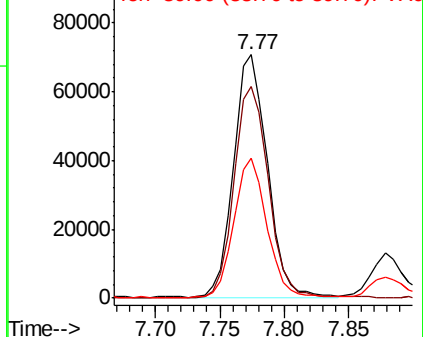
41 100

69 88.2 70.3 105.5

39 56.0 45.3 67.9



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





#49

1,4-Dioxane

Concen: 414.219 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

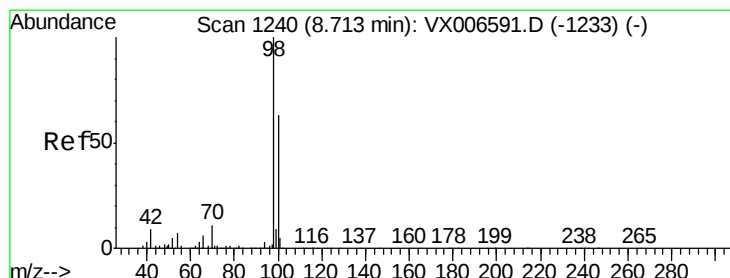
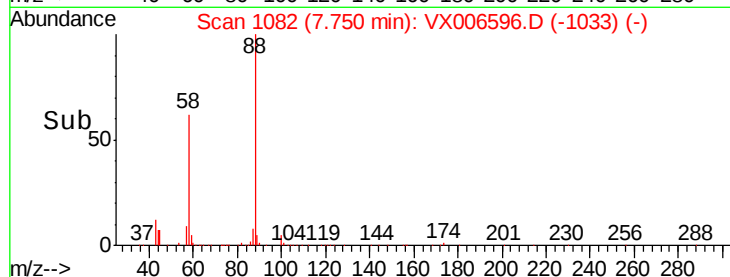
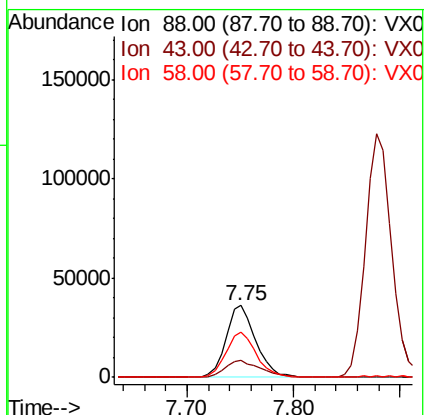
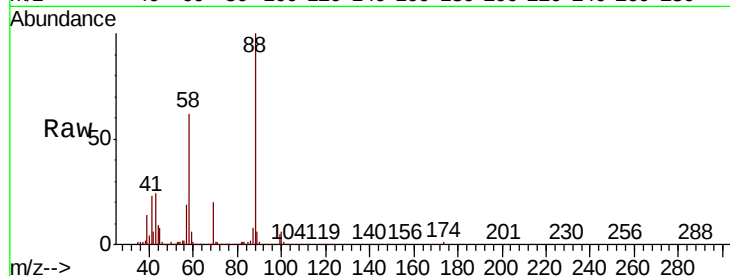
MSVOA_X

ClientSampleId :

VX1218WBS01

Tot Ion: 88 Resp: 70799

Ion	Ratio	Lower	Upper
88	100		
43	26.8	23.2	34.8
58	63.1	51.4	77.0



#50

Toluene-d8

Concen: 49.770 ug/l

RT: 8.71 min Scan# 1240

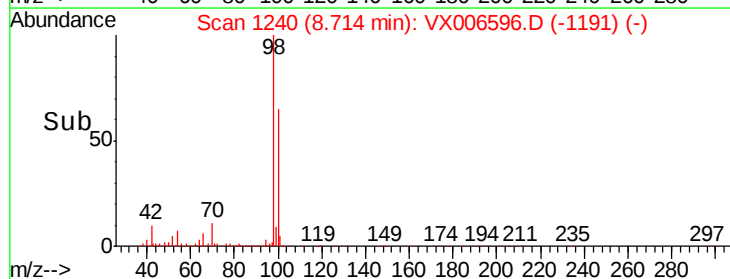
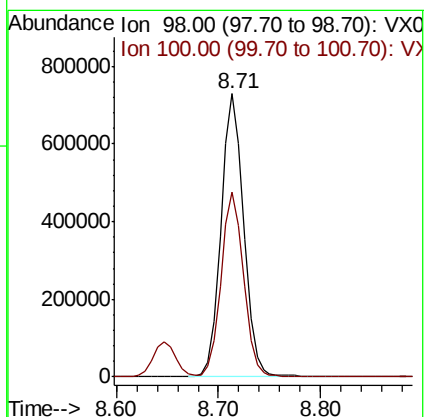
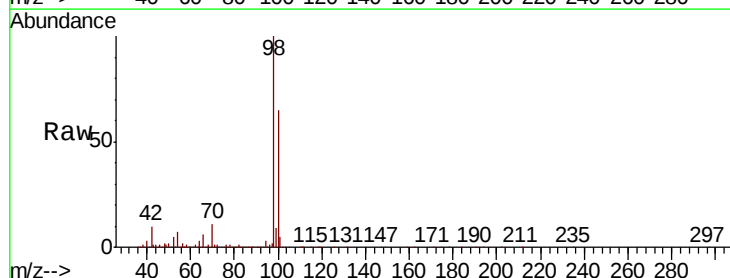
Delta R.T. 0.00 min

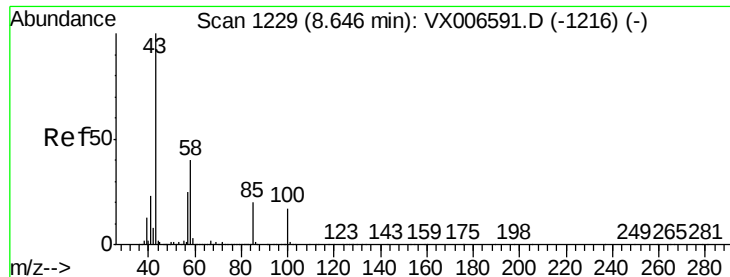
Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Tgt Ion: 98 Resp: 1130345

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 101.157 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampled :

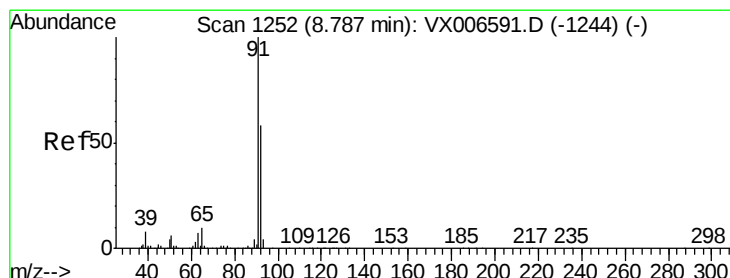
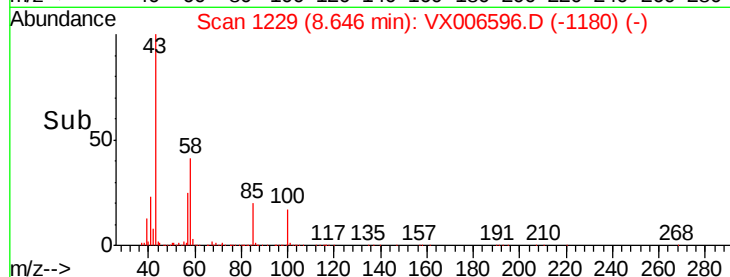
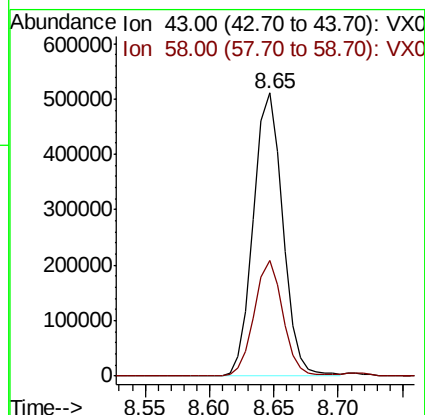
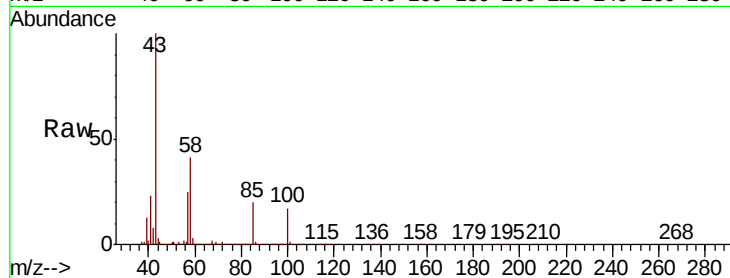
VX1218WBS01

Tot Ion: 43 Resp: 804203

Ion Ratio Lower Upper

43 100

58 39.8 31.3 46.9



#52

Toluene

Concen: 20.019 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006596.D

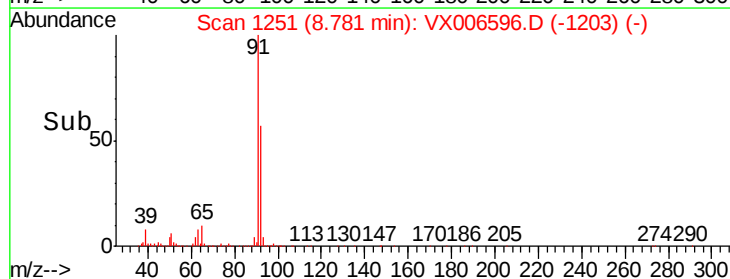
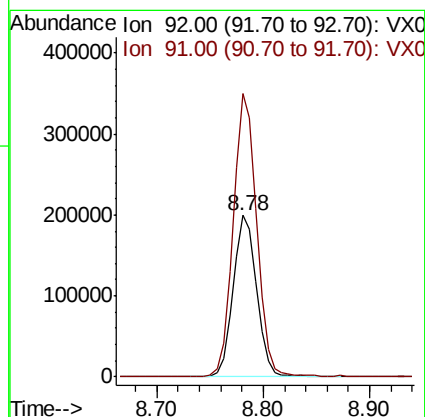
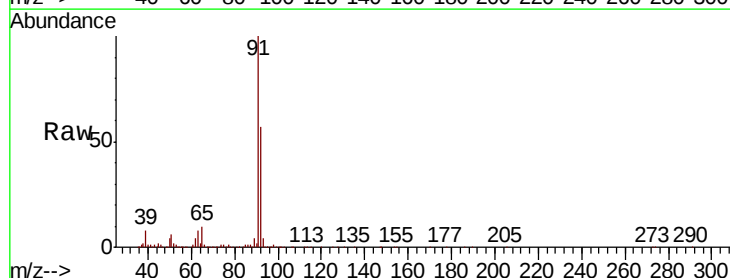
Acq: 18 Dec 2018 14:31

Tgt Ion: 92 Resp: 310176

Ion Ratio Lower Upper

92 100

91 175.6 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 19.358 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

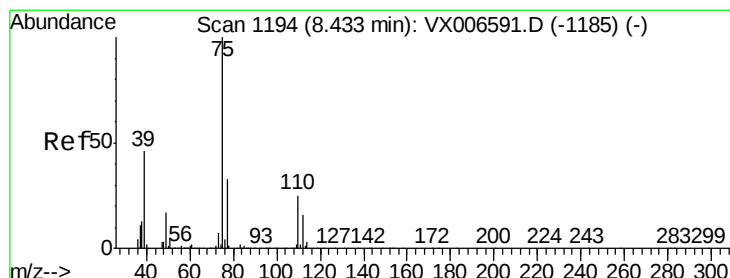
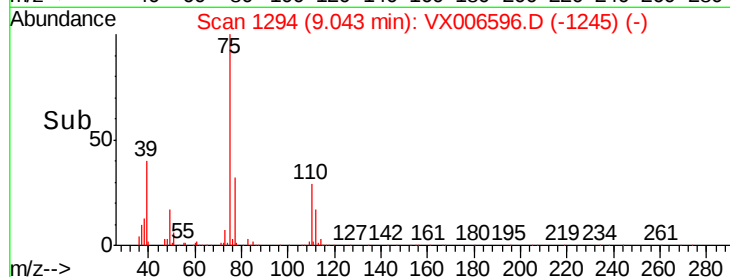
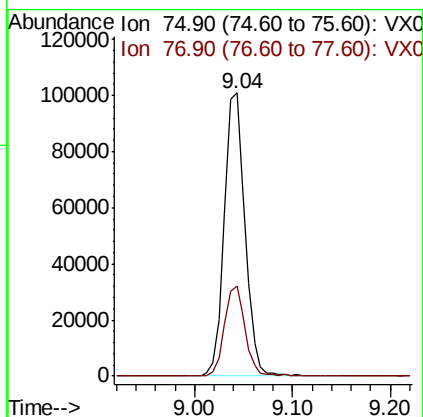
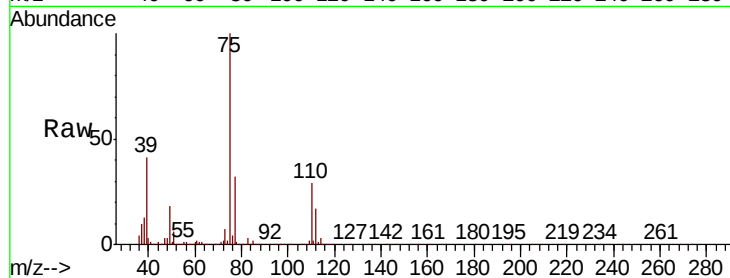
VX1218WBS01

Tot Ion: 75 Resp: 147962

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.675 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

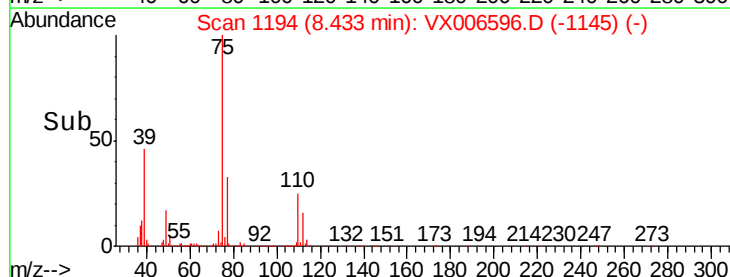
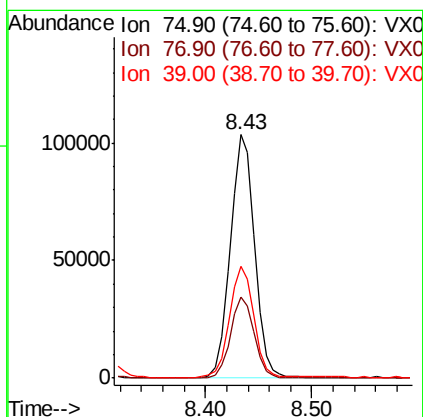
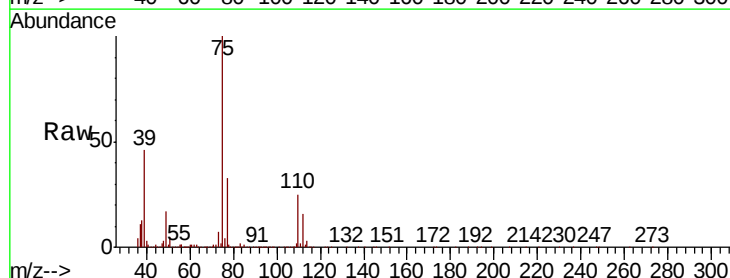
Tgt Ion: 75 Resp: 165013

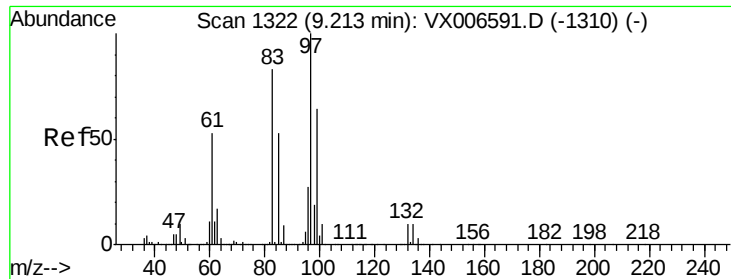
Ion Ratio Lower Upper

75 100

77 33.3 25.6 38.4

39 45.5 36.5 54.7





#55

1,1,2-Trichloroethane

Concen: 20.027 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBS01

Tot Ion: 97 Resp: 127008

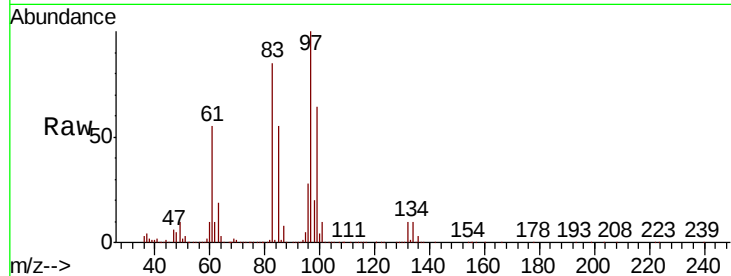
Ion Ratio Lower Upper

97 100

83 85.2 67.1 100.7

85 54.5 43.2 64.8

99 64.4 49.8 74.6

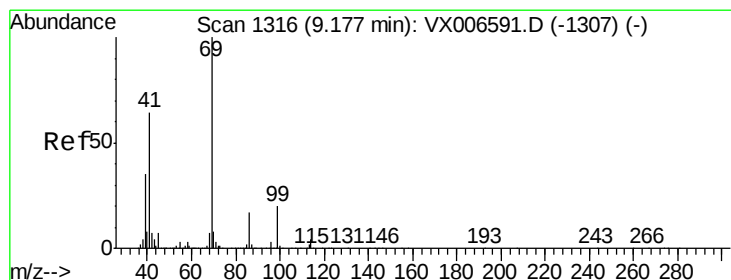
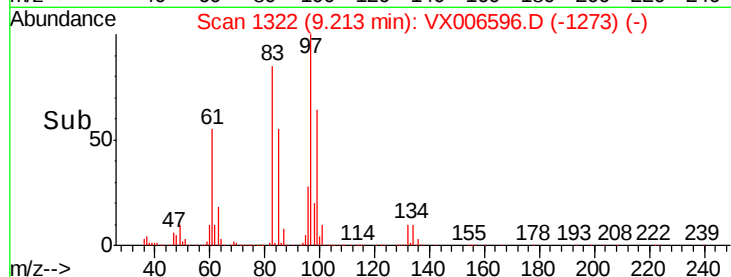
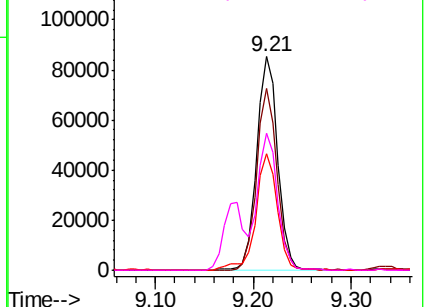


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 20.207 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

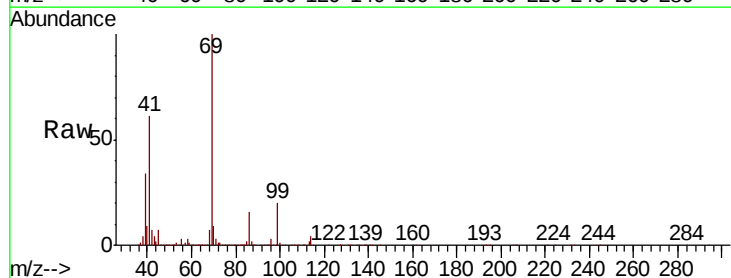
Tgt Ion: 69 Resp: 181122

Ion Ratio Lower Upper

69 100

41 61.6 50.6 76.0

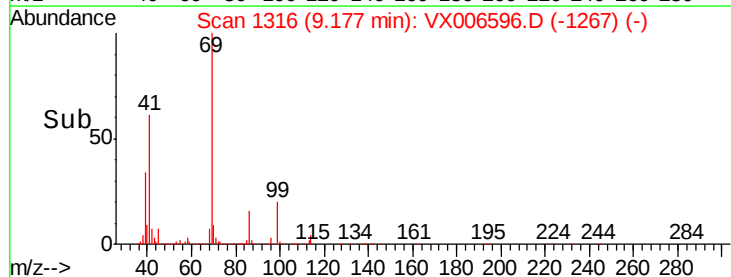
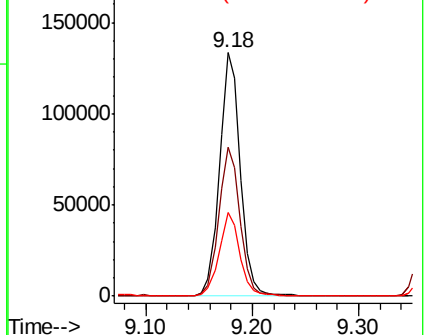
39 33.5 27.6 41.4

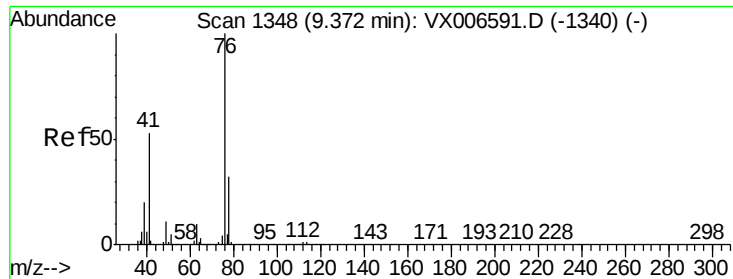


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.968 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

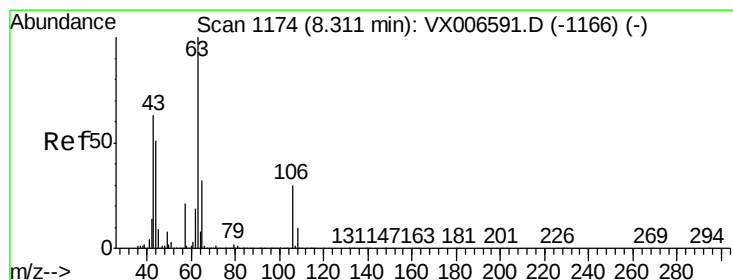
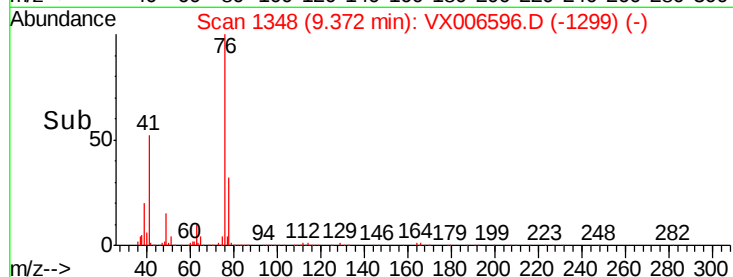
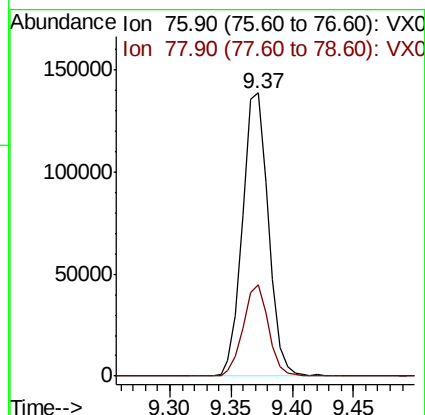
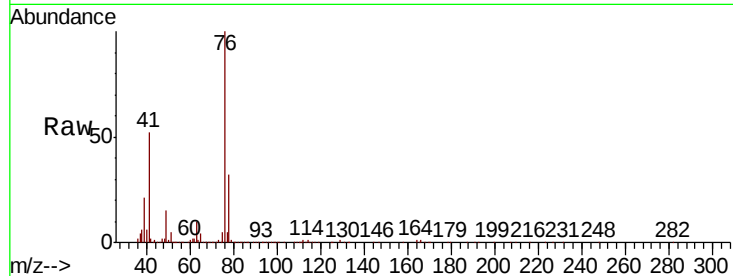
VX1218WBS01

Tot Ion: 76 Resp: 203744

Ion Ratio Lower Upper

76 100

78 31.5 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 97.827 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006596.D

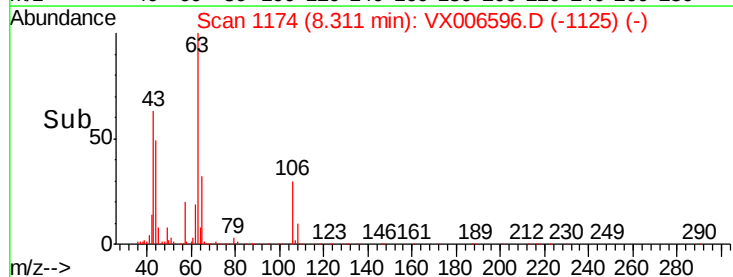
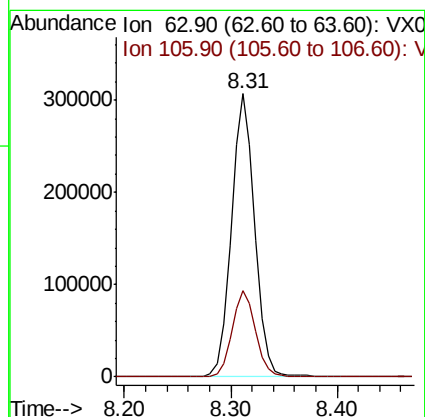
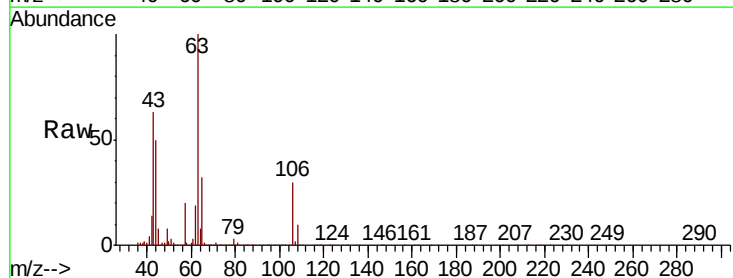
Acq: 18 Dec 2018 14:31

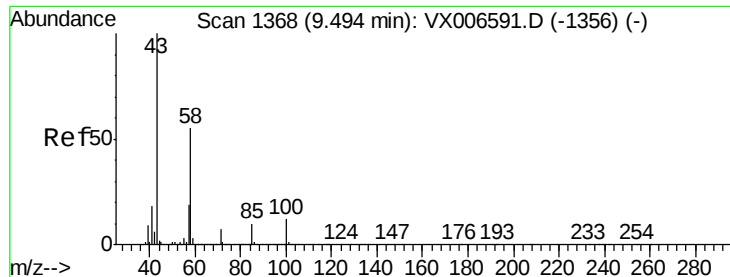
Tgt Ion: 63 Resp: 466112

Ion Ratio Lower Upper

63 100

106 30.8 24.9 37.3





#59

2-Hexanone

Concen: 102.619 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

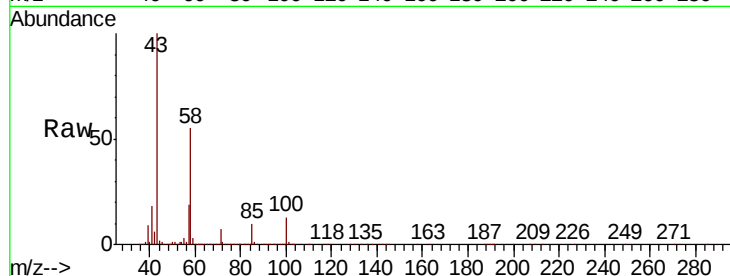
VX1218WBS01

Tot Ion: 43 Resp: 624206

Ion Ratio Lower Upper

43 100

58 55.7 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VX006596.D (-1319) (-)

Ion 58.00 (57.70 to 58.70): VX006596.D (-1319) (-)

9.49

500000

400000

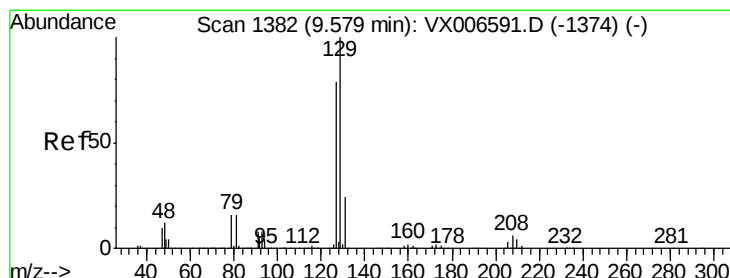
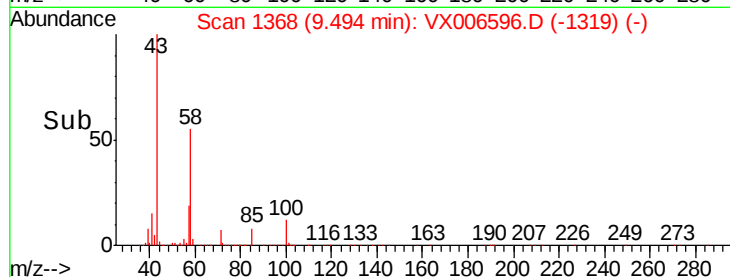
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 18.588 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX006596.D

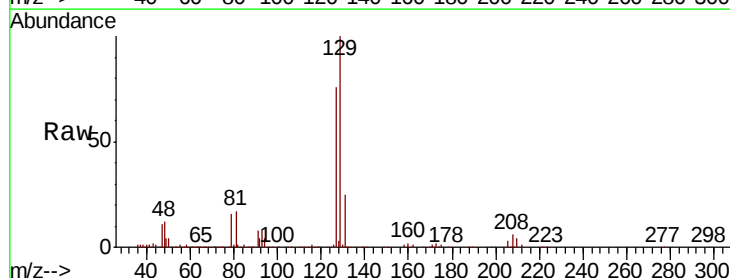
Acq: 18 Dec 2018 14:31

Tgt Ion: 129 Resp: 113138

Ion Ratio Lower Upper

129 100

127 75.7 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): VX006596.D (-1333) (-)

Ion 126.80 (126.50 to 127.50): VX006596.D (-1333) (-)

9.58

80000

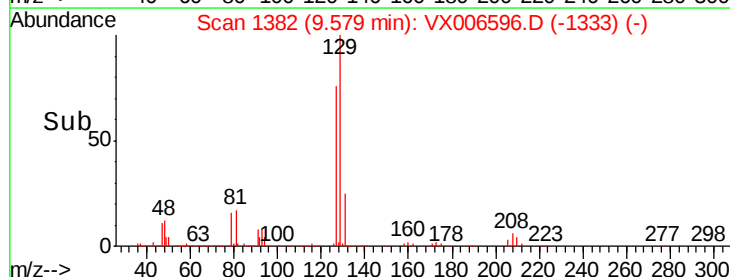
60000

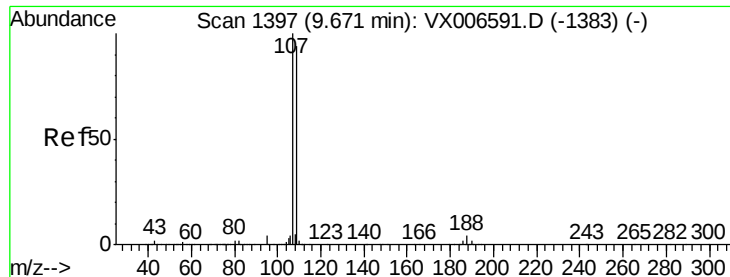
40000

20000

0

Time-->

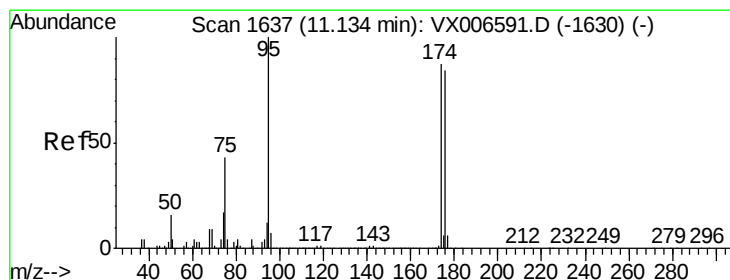
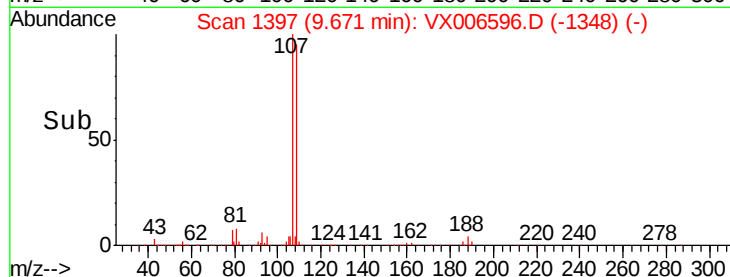
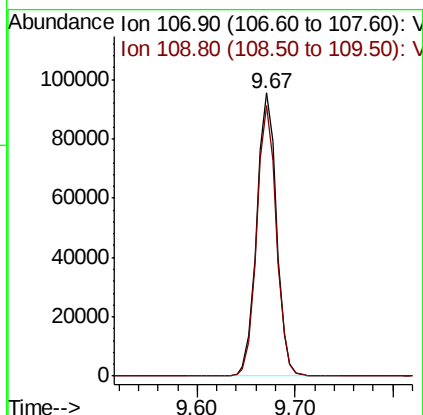
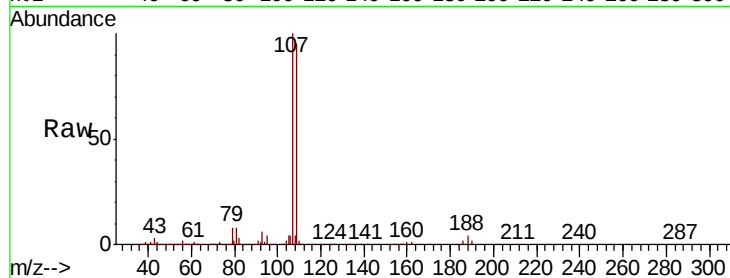




#61
 1,2-Dibromoethane
 Concen: 20.017 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX006596.D
 Acq: 18 Dec 2018 14:31

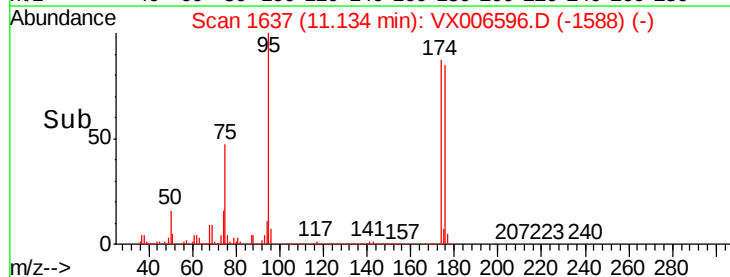
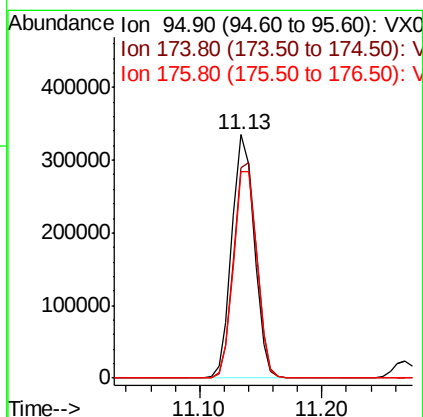
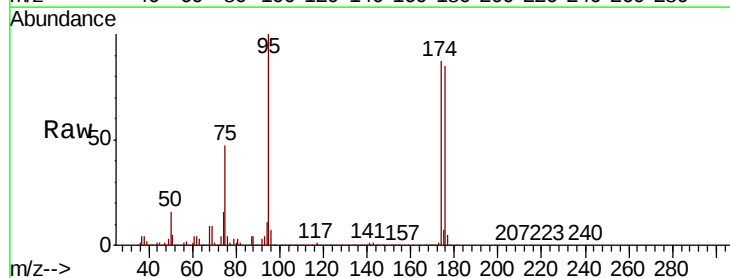
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1218WBS01

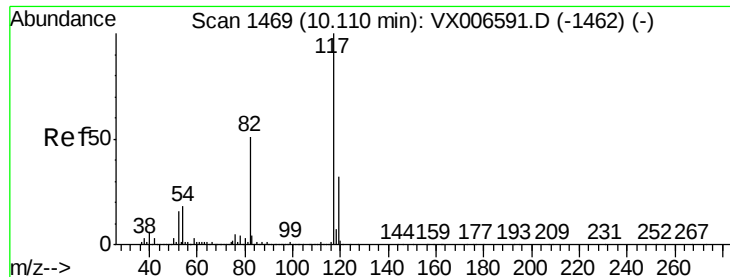
Tot Ion: 107 Resp: 134945
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 51.157 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX006596.D
 Acq: 18 Dec 2018 14:31

Tgt Ion: 95 Resp: 425518
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 187.0
 176 88.5 0.0 181.8

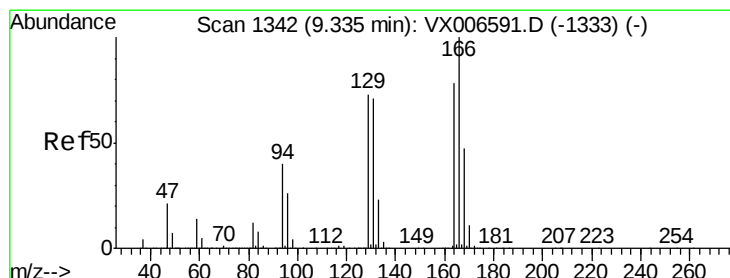
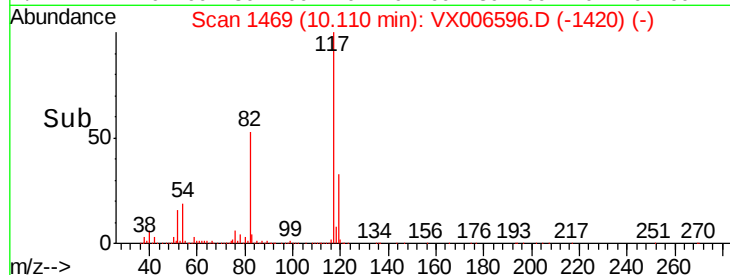
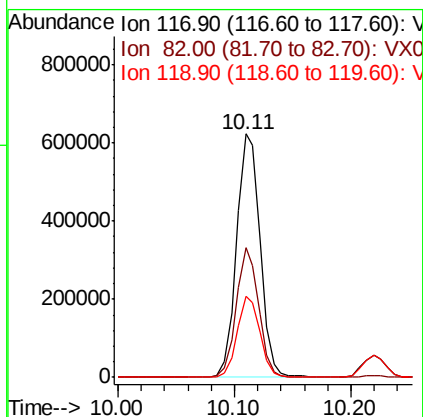
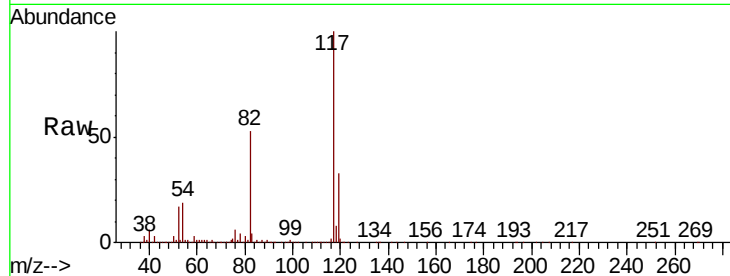




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

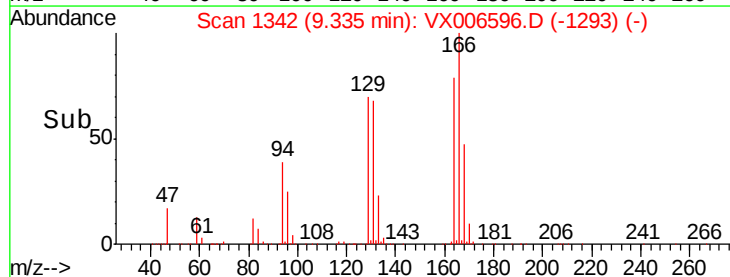
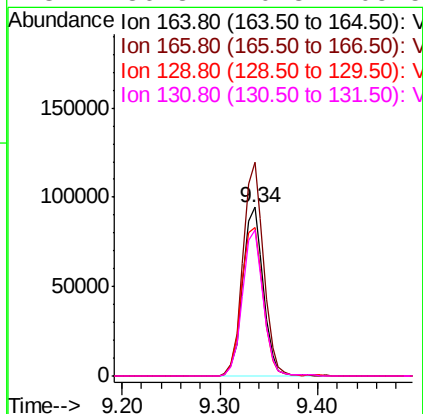
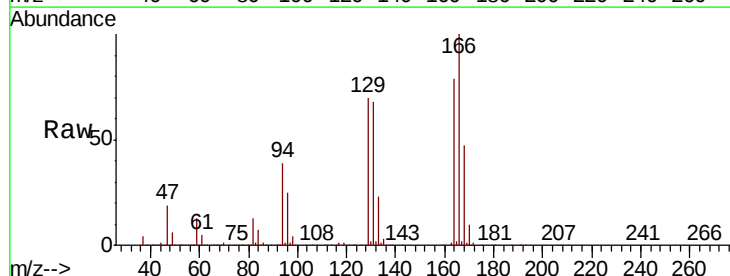
Instrument :
MSVOA_X
ClientSampleId :
VX1218WBS01

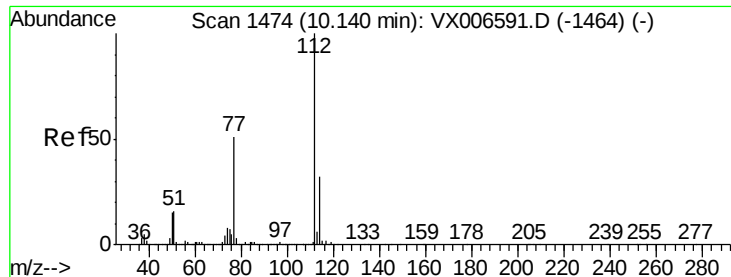
Tot Ion:117 Resp: 876536
Ion Ratio Lower Upper
117 100
82 53.2 39.6 59.4
119 33.2 26.3 39.5



#64
Tetrachloroethene
Concen: 19.840 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

Tgt Ion:164 Resp: 137706
Ion Ratio Lower Upper
164 100
166 126.6 104.2 156.2
129 88.3 72.6 108.8
131 86.3 70.3 105.5





#65

Chlorobenzene

Concen: 19.905 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

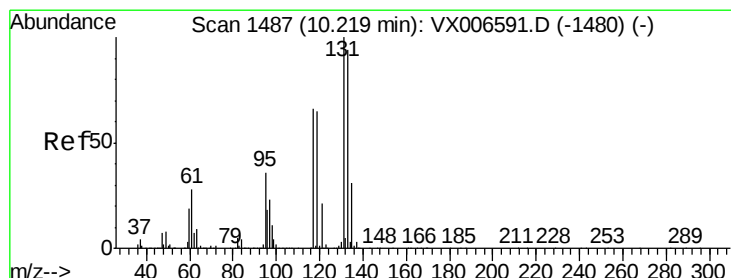
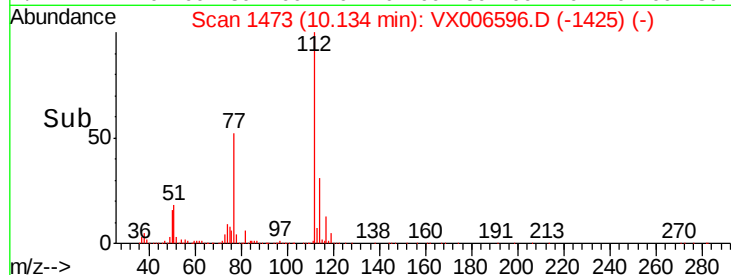
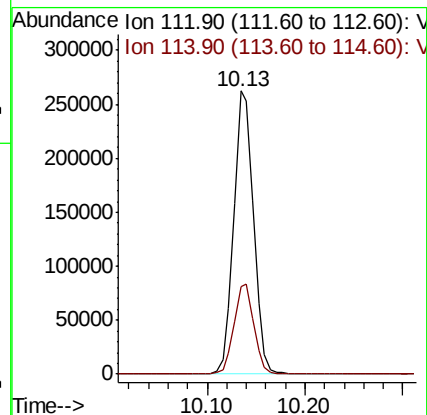
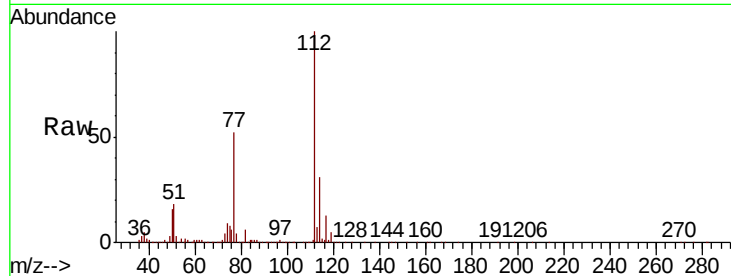
VX1218WBS01

Tot Ion:112 Resp: 369117

Ion Ratio Lower Upper

112 100

114 30.8 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 20.050 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

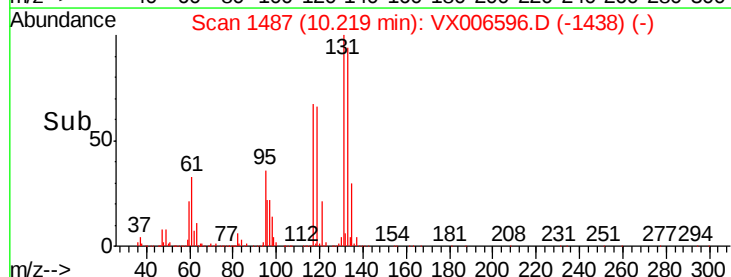
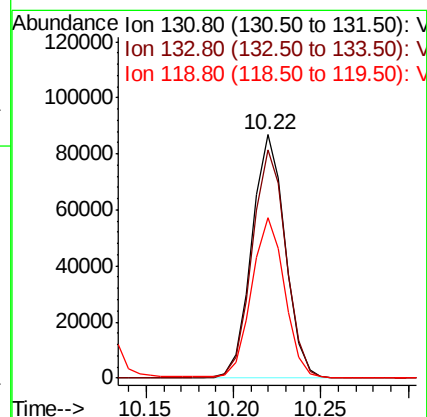
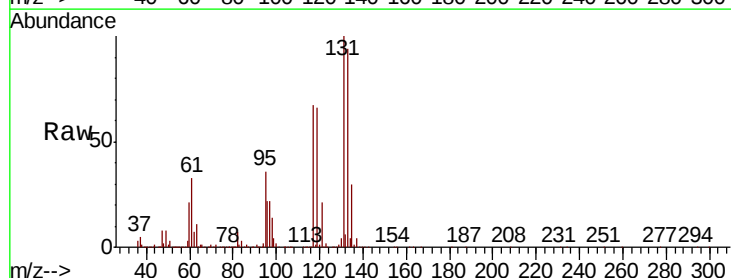
Tgt Ion:131 Resp: 116003

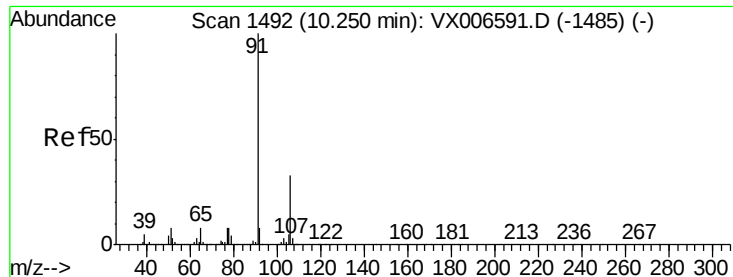
Ion Ratio Lower Upper

131 100

133 95.1 48.1 144.4

119 65.2 32.1 96.3





#67

Ethyl Benzene

Concen: 19.904 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

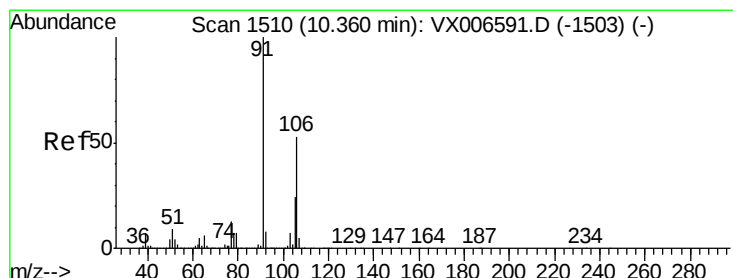
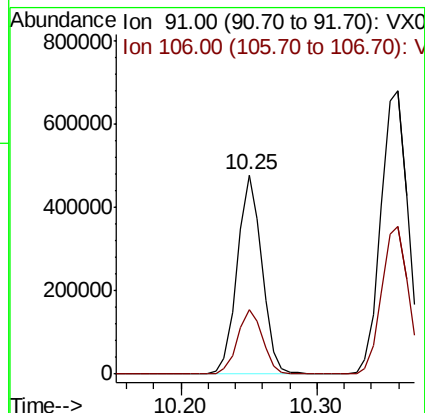
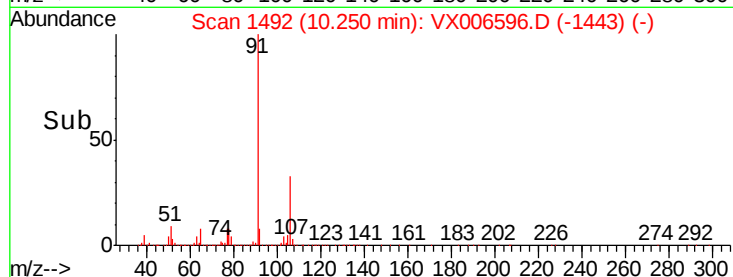
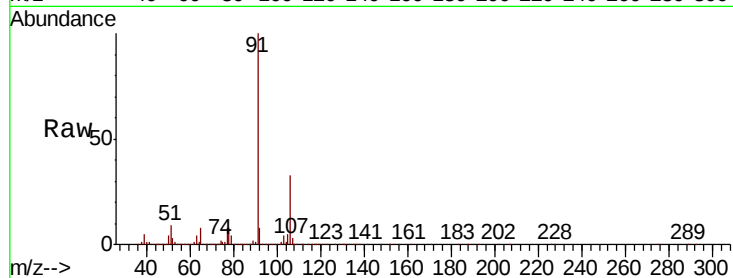
VX1218WBS01

Tot Ion: 91 Resp: 603134

Ion Ratio Lower Upper

91 100

106 32.7 26.5 39.7



#68

m/p-Xylenes

Concen: 40.386 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006596.D

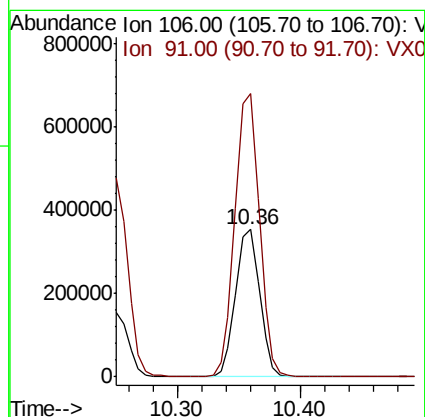
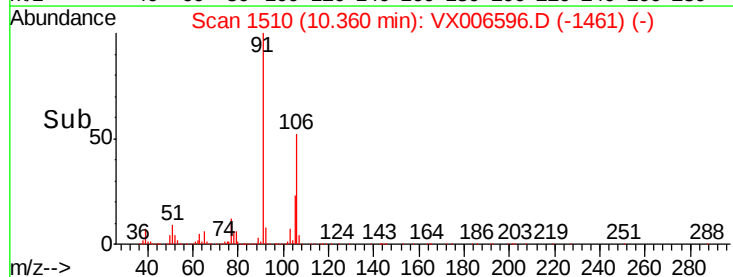
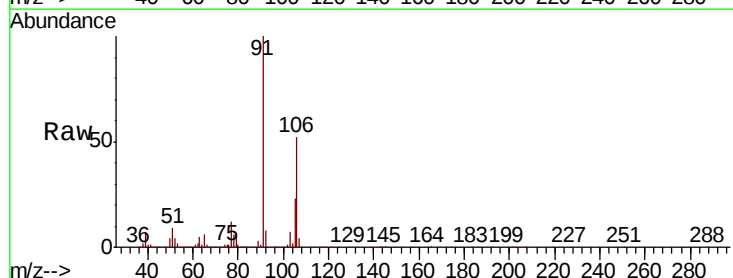
Acq: 18 Dec 2018 14:31

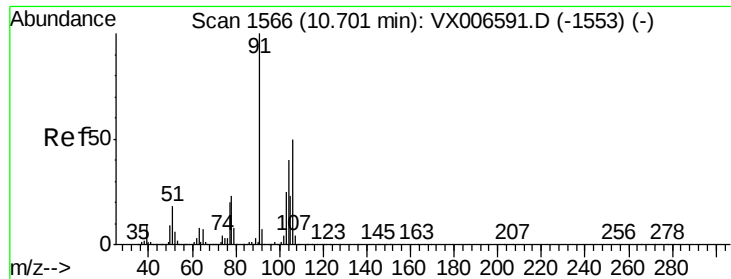
Tgt Ion: 106 Resp: 482901

Ion Ratio Lower Upper

106 100

91 195.2 155.2 232.8

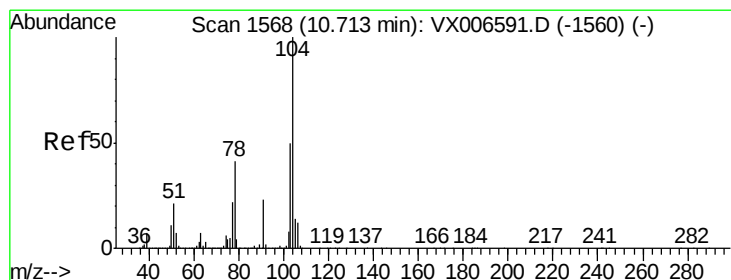
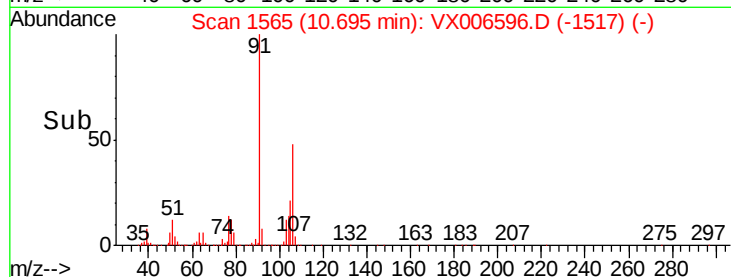
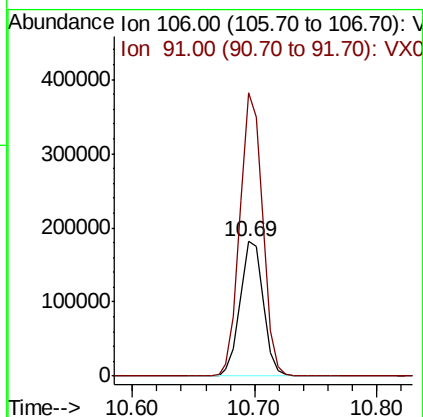
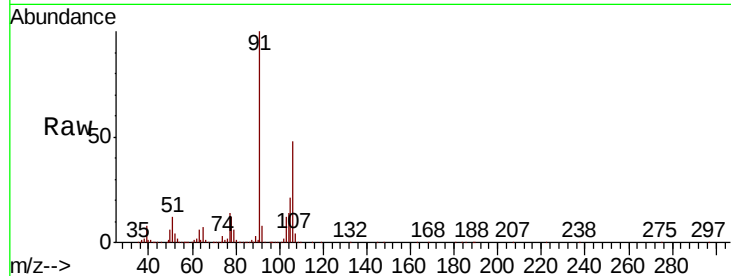




#69
o-Xylene
Concen: 20.205 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

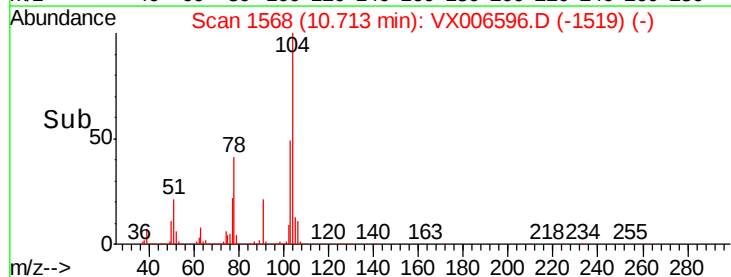
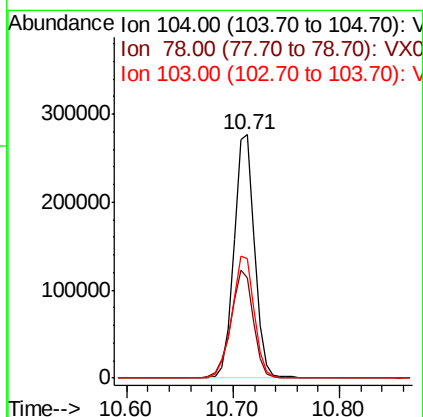
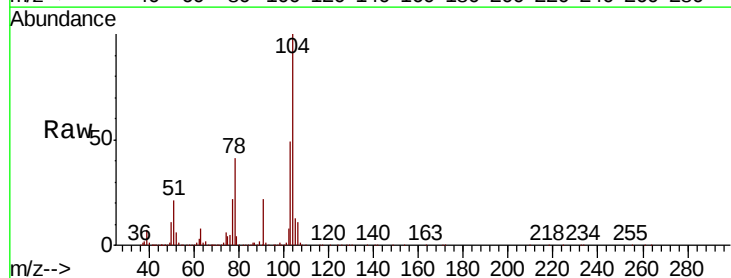
Instrument :
MSVOA_X
ClientSampleId :
VX1218WBS01

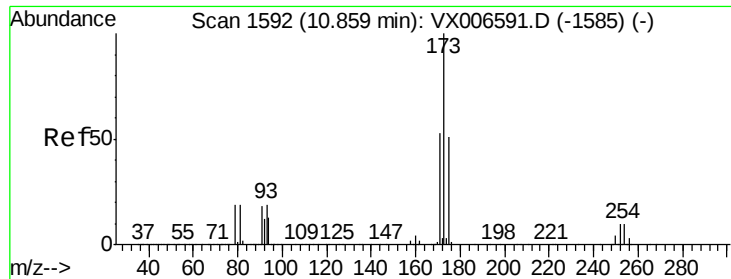
Tot Ion:106 Resp: 238563
Ion Ratio Lower Upper
106 100
91 204.8 101.8 305.6



#70
Styrene
Concen: 20.080 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

Tgt Ion:104 Resp: 375102
Ion Ratio Lower Upper
104 100
78 48.0 37.2 55.8
103 54.5 43.5 65.3





#71

Bromoform

Concen: 18.440 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBS01

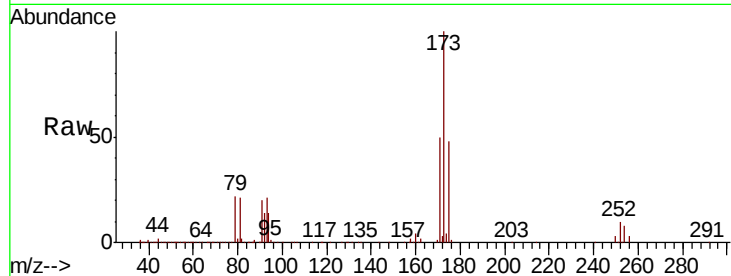
Tot Ion:173 Resp: 80105

Ion Ratio Lower Upper

173 100

175 48.9 24.6 73.8

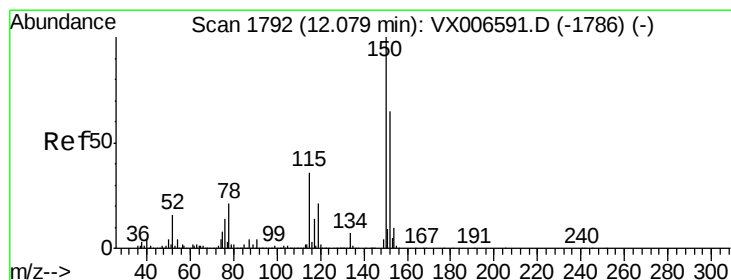
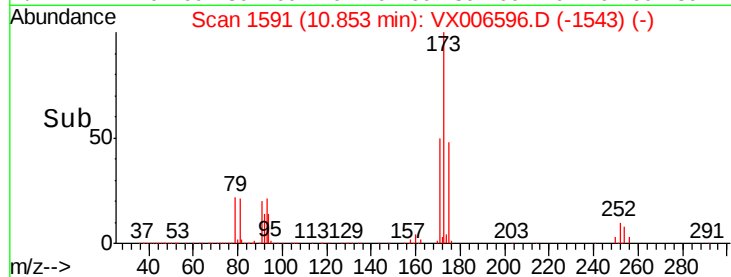
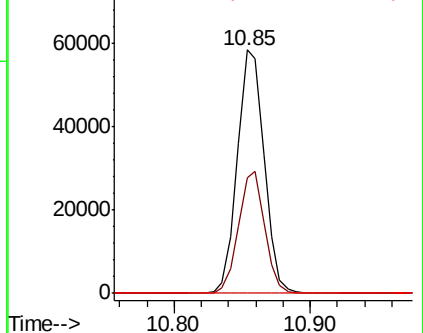
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

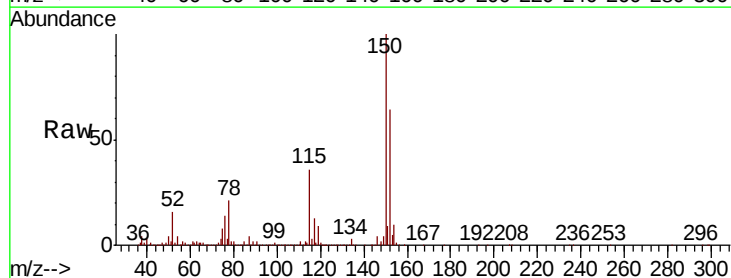
Tgt Ion:152 Resp: 462774

Ion Ratio Lower Upper

152 100

115 65.7 39.0 116.9

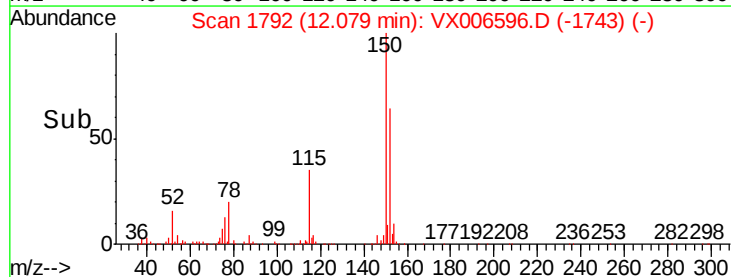
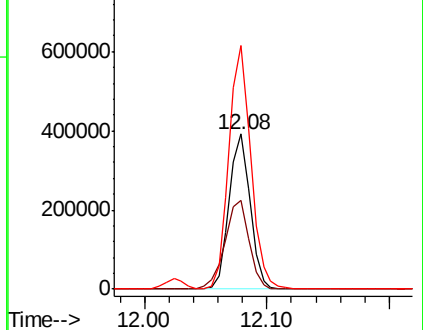
150 163.9 0.0 345.8

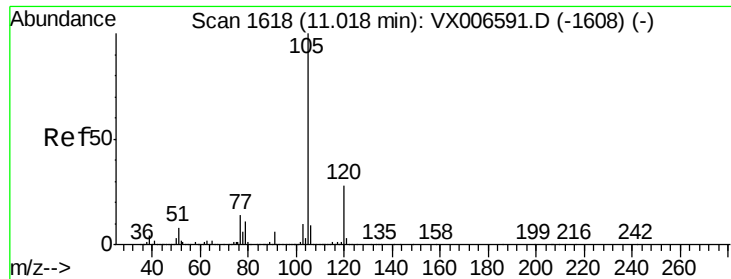


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.821 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

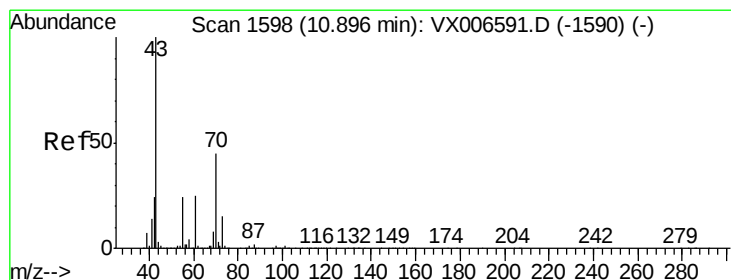
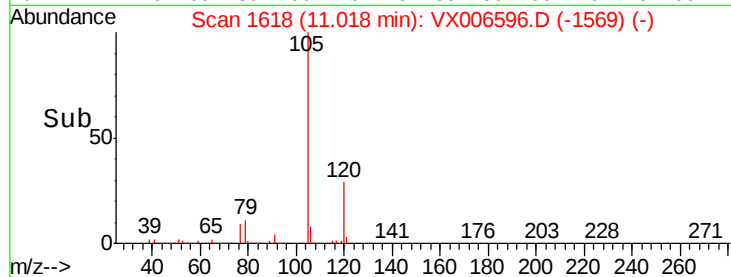
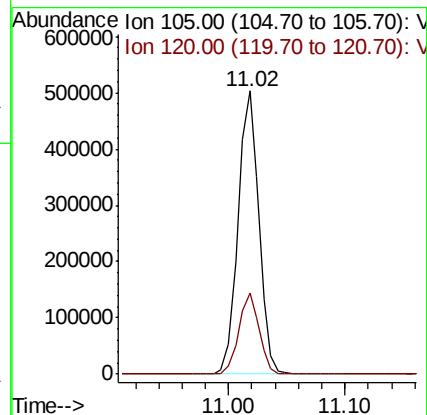
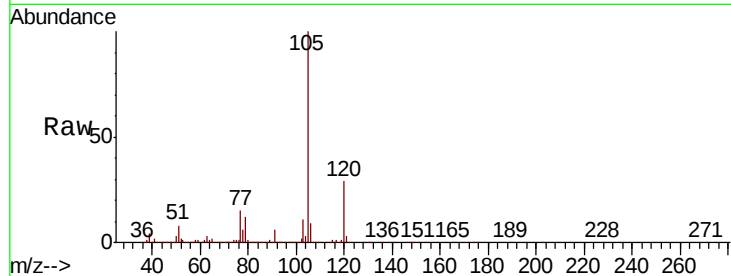
VX1218WBS01

Tot Ion:105 Resp: 627514

Ion Ratio Lower Upper

105 100

120 28.0 14.1 42.3



#74

N-ethyl acetate

Concen: 19.632 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Tgt Ion: 43 Resp: 222474

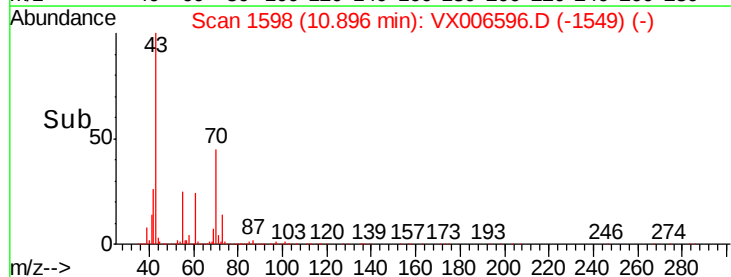
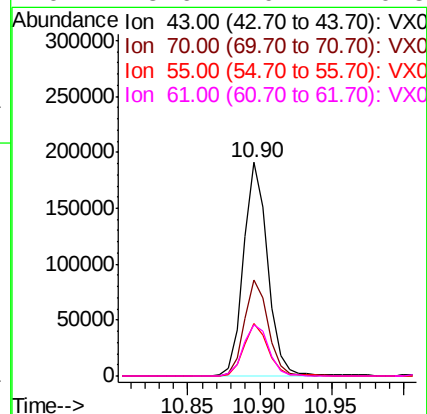
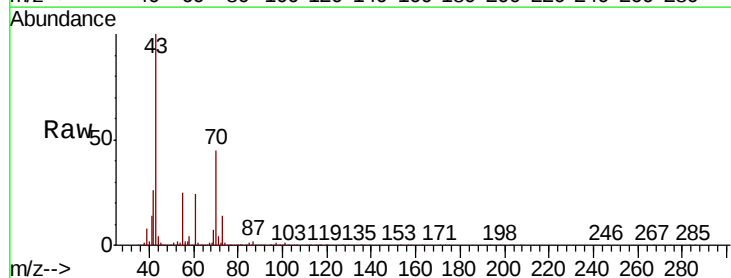
Ion Ratio Lower Upper

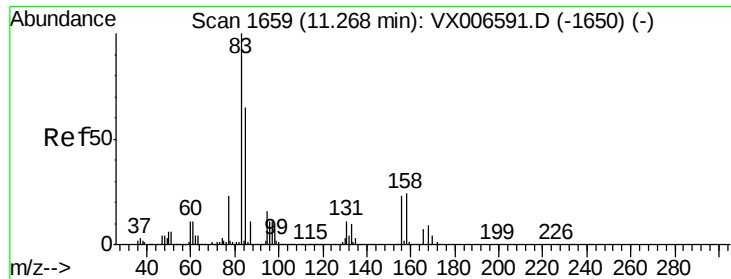
43 100

70 44.9 34.1 51.1

55 24.7 17.8 26.8

61 25.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.006 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBS01

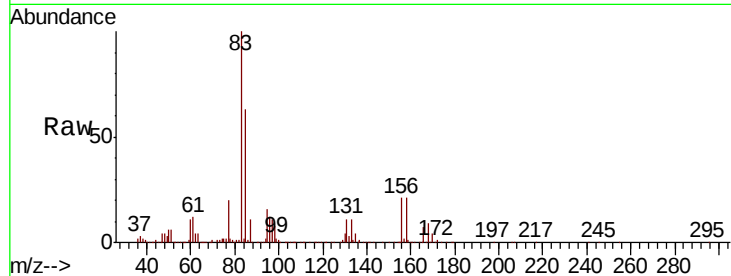
Tot Ion: 83 Resp: 188366

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.1

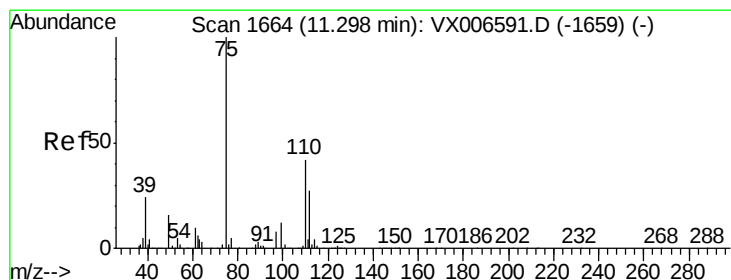
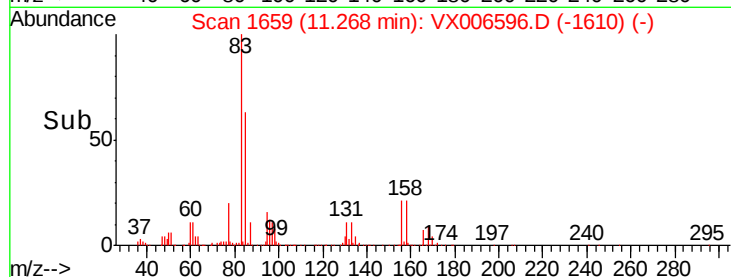
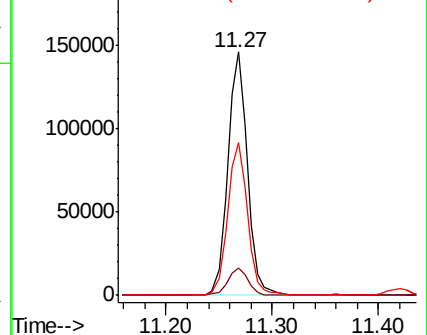
85 63.5 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.375 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006596.D

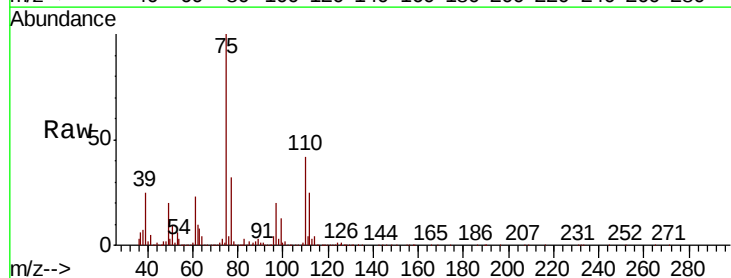
Acq: 18 Dec 2018 14:31

Tgt Ion: 75 Resp: 197700

Ion Ratio Lower Upper

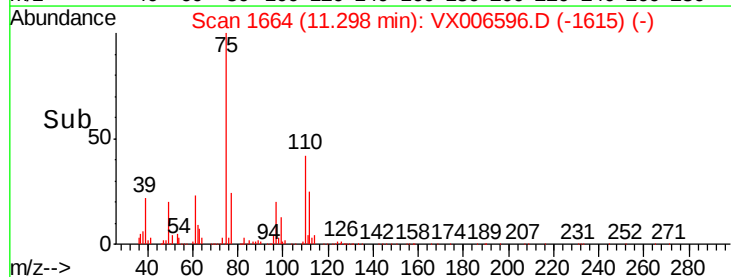
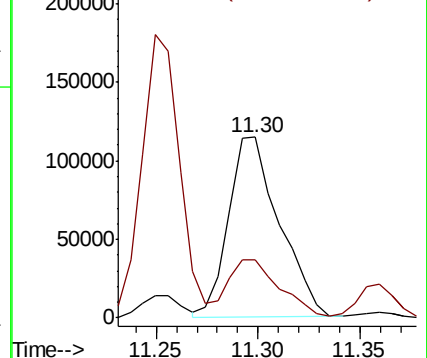
75 100

77 33.4 19.9 59.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.679 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBS01

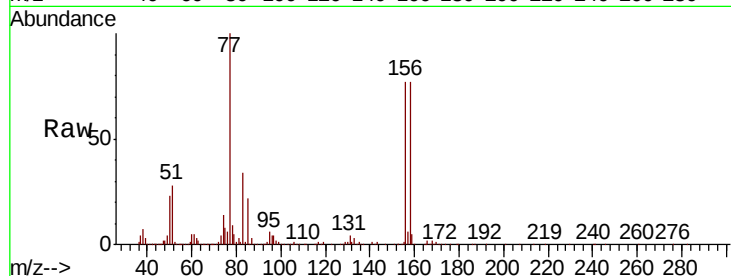
Tot Ion:156 Resp: 168440

Ion Ratio Lower Upper

156 100

77 137.1 66.2 198.6

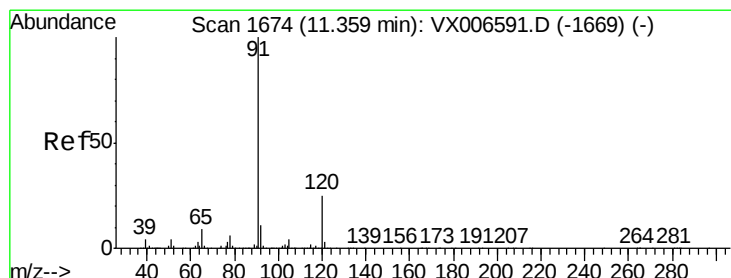
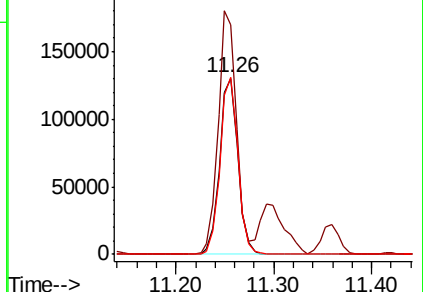
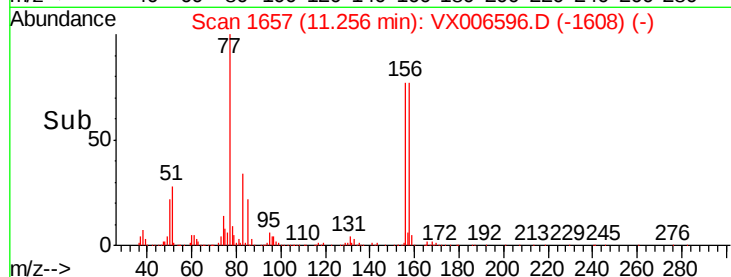
158 98.6 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.202 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006596.D

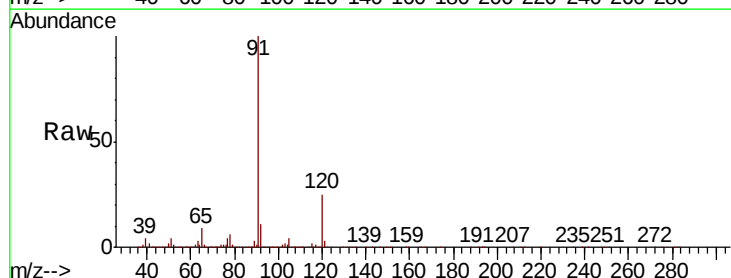
Acq: 18 Dec 2018 14:31

Tgt Ion: 91 Resp: 704308

Ion Ratio Lower Upper

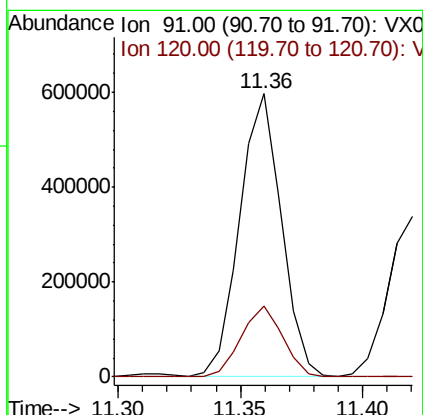
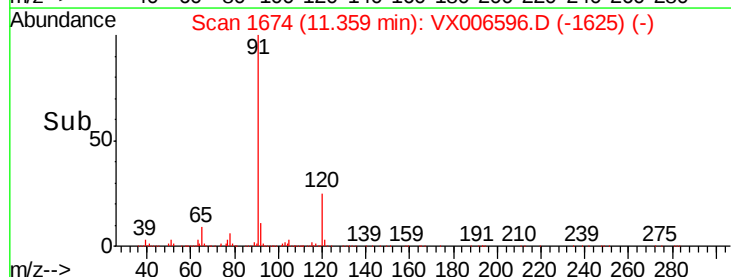
91 100

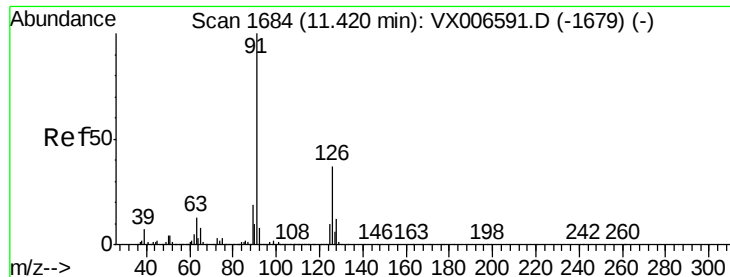
120 25.3 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.571 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

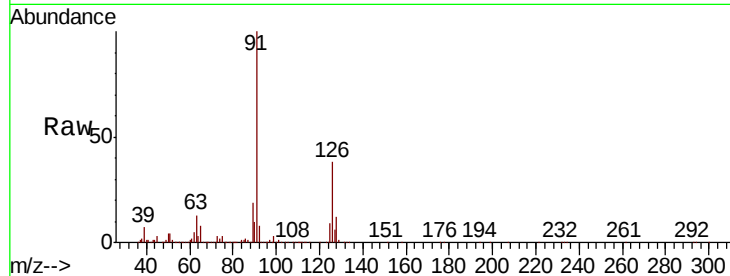
VX1218WBS01

Tot Ion: 91 Resp: 413479

Ion Ratio Lower Upper

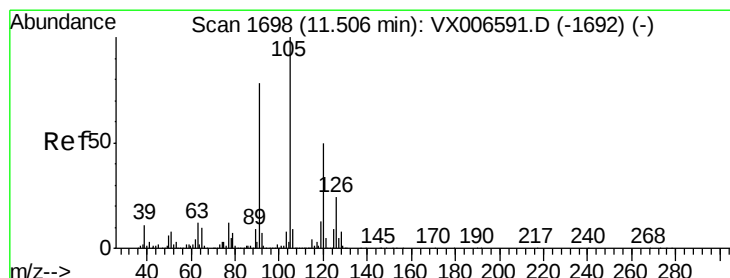
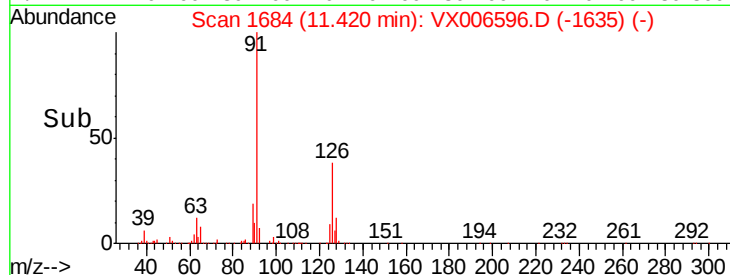
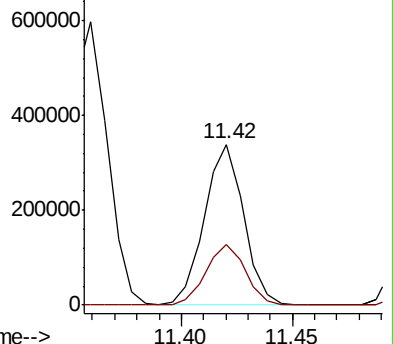
91 100

126 38.2 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006591.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.023 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006596.D

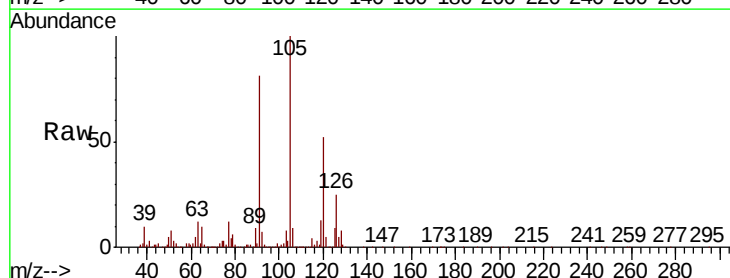
Acq: 18 Dec 2018 14:31

Tgt Ion:105 Resp: 522120

Ion Ratio Lower Upper

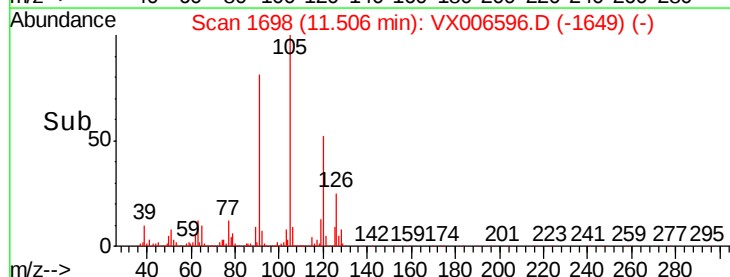
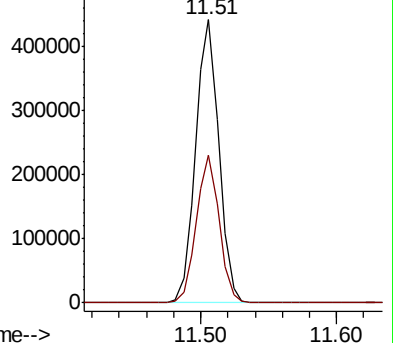
105 100

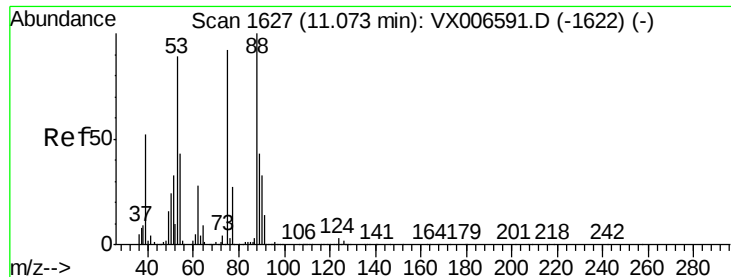
120 51.2 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VX006591.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006591.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.375 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBS01

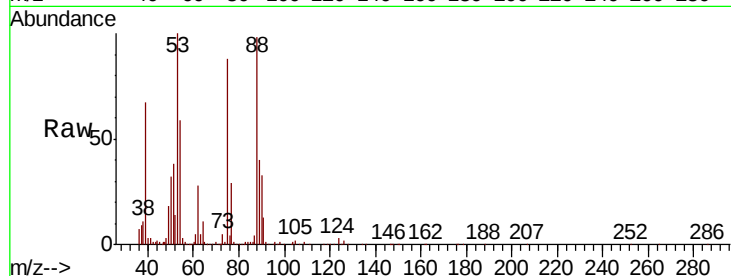
Tot Ion: 75 Resp: 40577

Ion Ratio Lower Upper

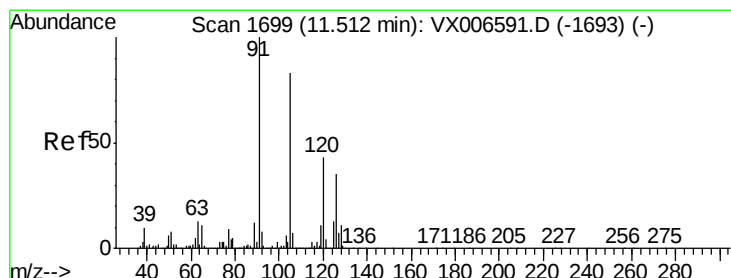
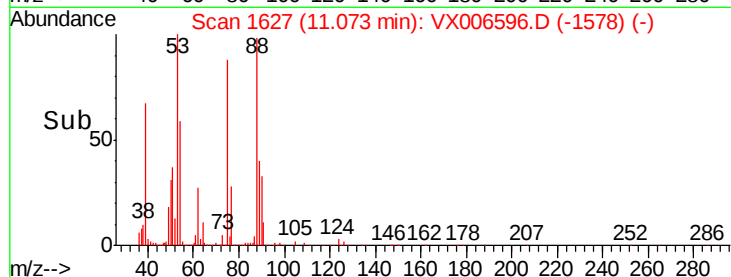
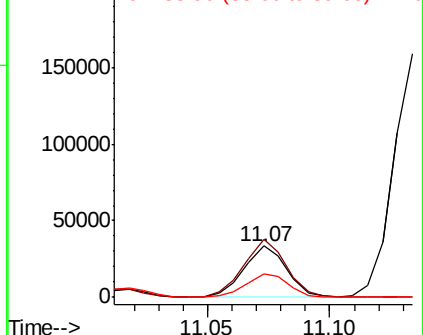
75 100

53 111.7 64.4 96.6#

89 46.9 44.2 66.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.077 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006596.D

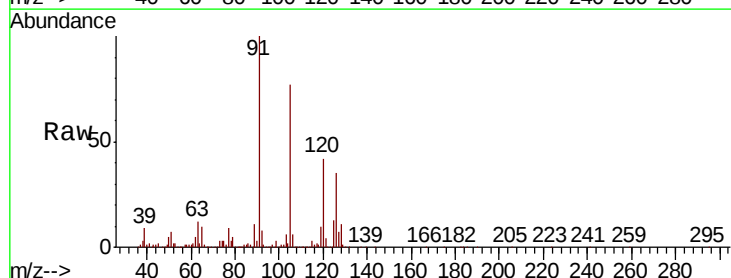
Acq: 18 Dec 2018 14:31

Tgt Ion: 91 Resp: 486571

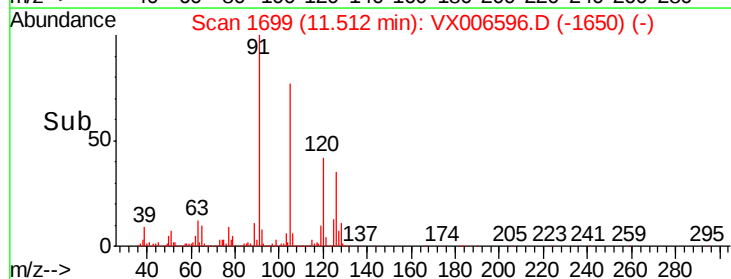
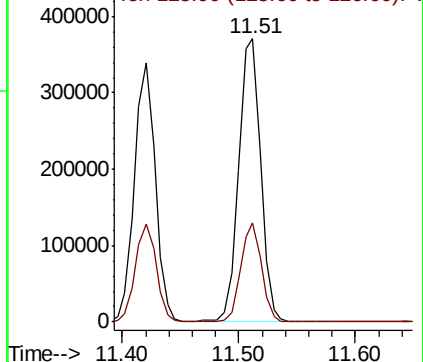
Ion Ratio Lower Upper

91 100

126 33.0 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.789 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampled :

VX1218WBS01

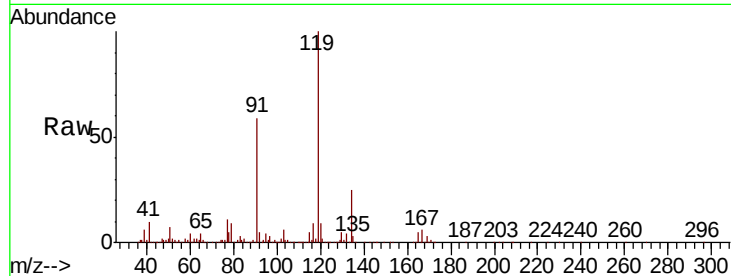
Tot Ion:119 Resp: 516454

Ion Ratio Lower Upper

119 100

91 57.2 26.4 79.2

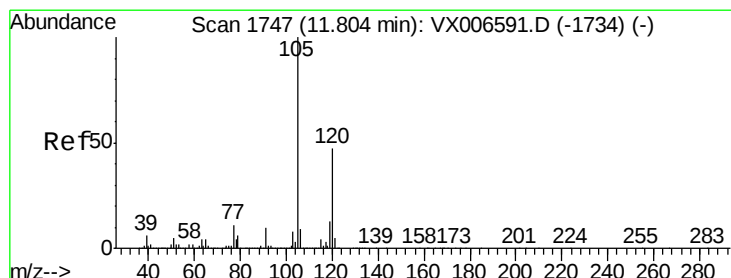
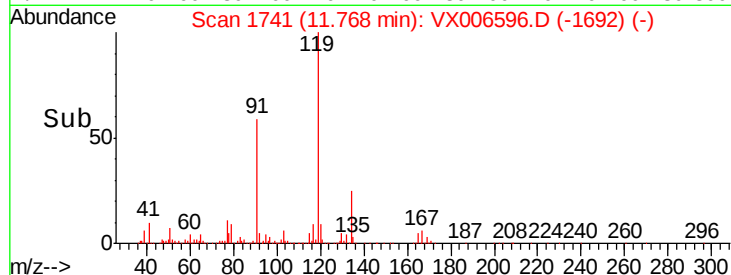
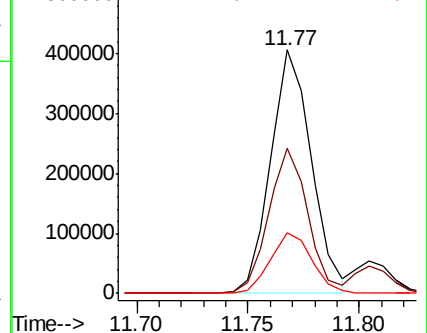
134 25.2 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.631 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006596.D

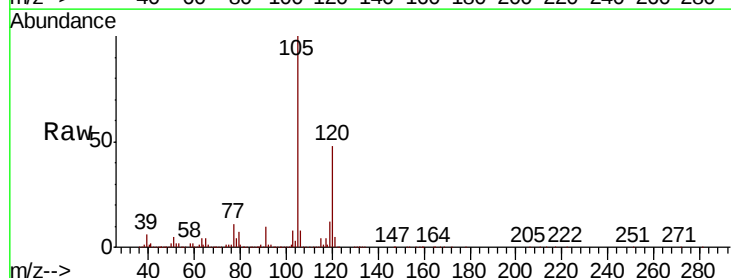
Acq: 18 Dec 2018 14:31

Tgt Ion:105 Resp: 538457

Ion Ratio Lower Upper

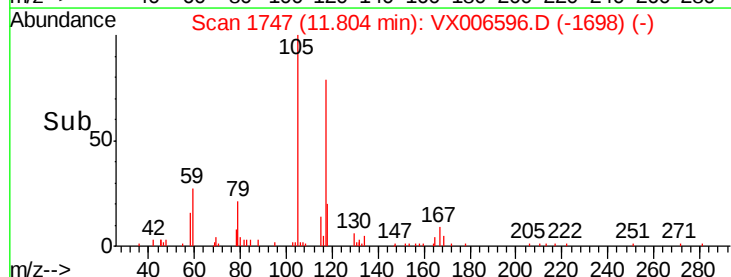
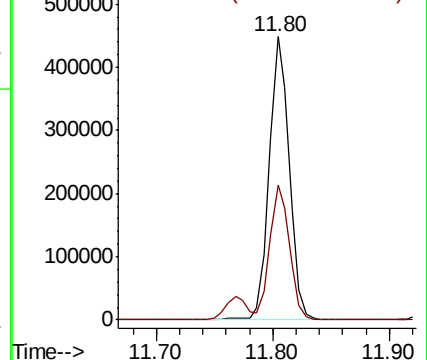
105 100

120 46.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.274 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

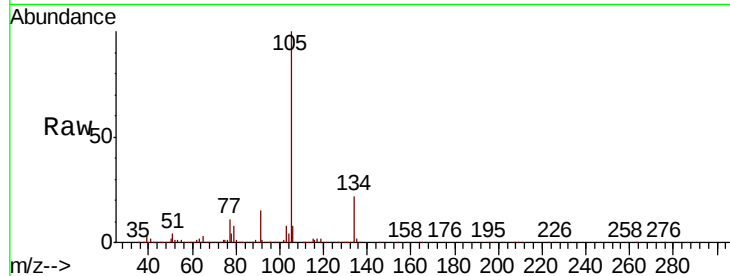
VX1218WBS01

Tot Ion:105 Resp: 648734

Ion Ratio Lower Upper

105 100

134 21.5 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

600000

500000

400000

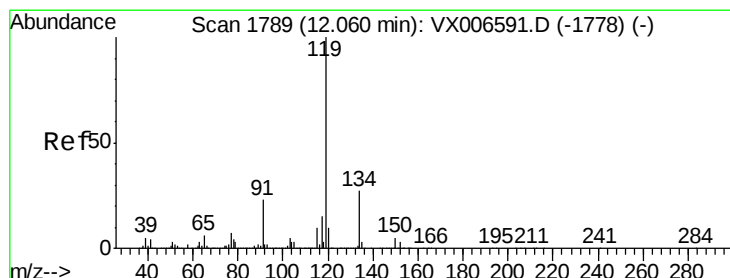
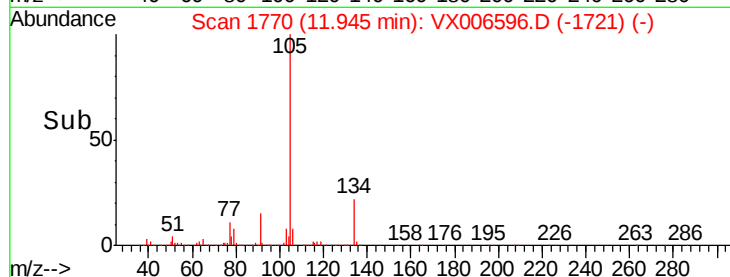
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.286 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

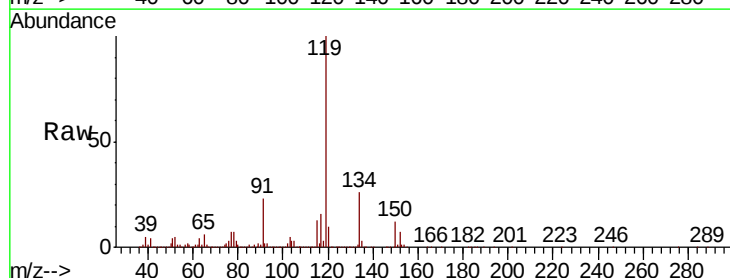
Tgt Ion:119 Resp: 570604

Ion Ratio Lower Upper

119 100

134 27.7 13.9 41.6

91 23.0 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

600000

500000

400000

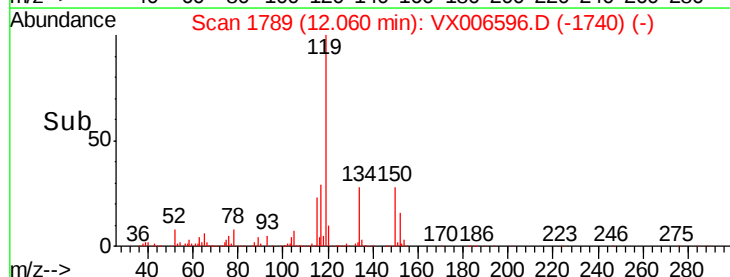
300000

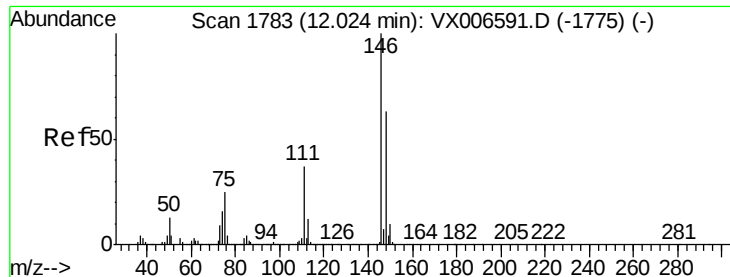
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.069 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBS01

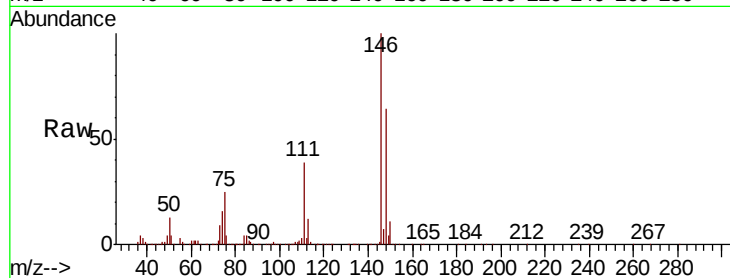
Tot Ion:146 Resp: 309587

Ion Ratio Lower Upper

146 100

111 38.5 18.4 55.2

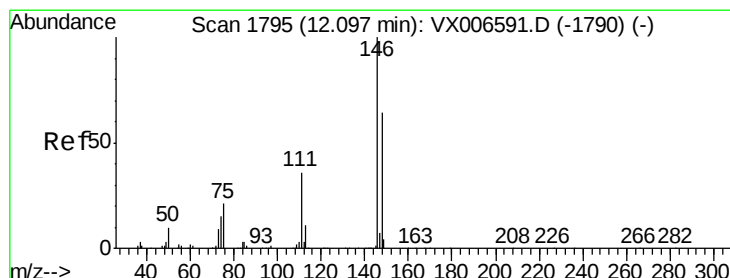
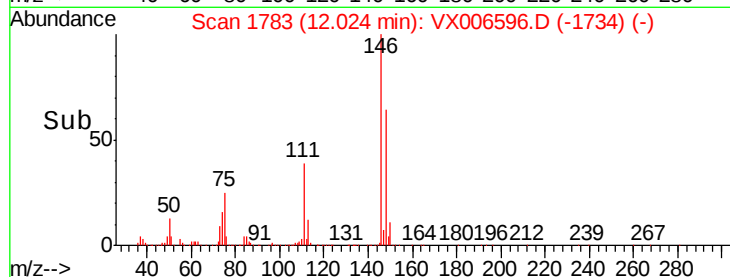
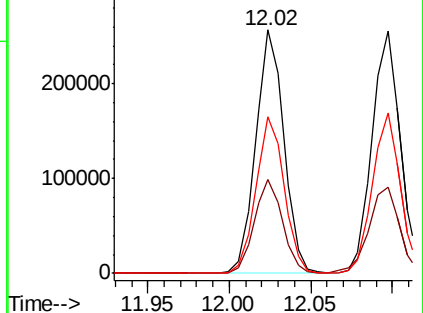
148 64.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.495 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

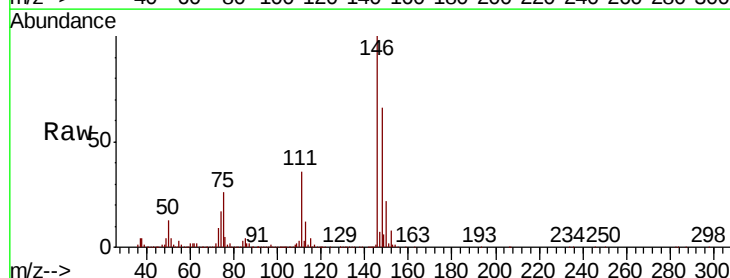
Tgt Ion:146 Resp: 308647

Ion Ratio Lower Upper

146 100

111 38.4 18.3 54.8

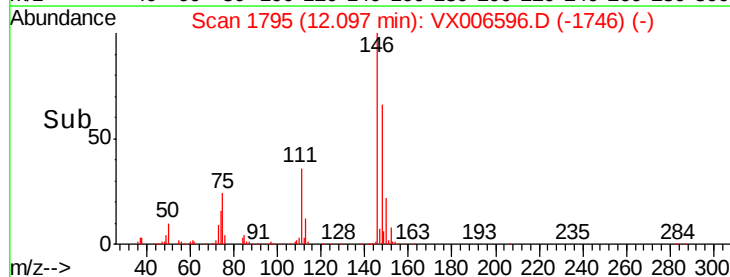
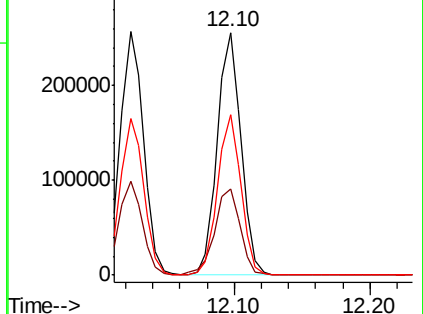
148 65.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

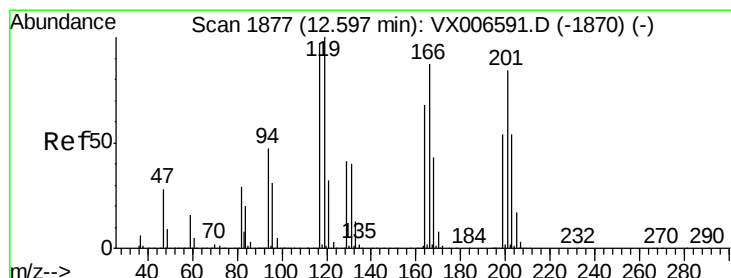
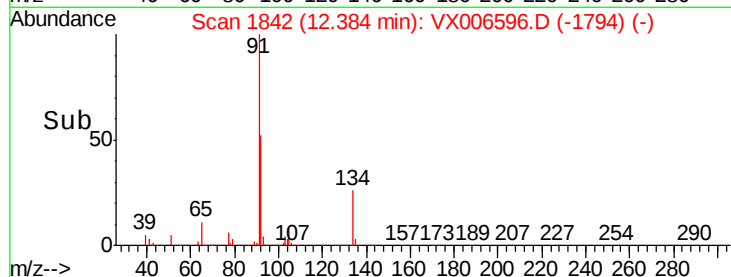
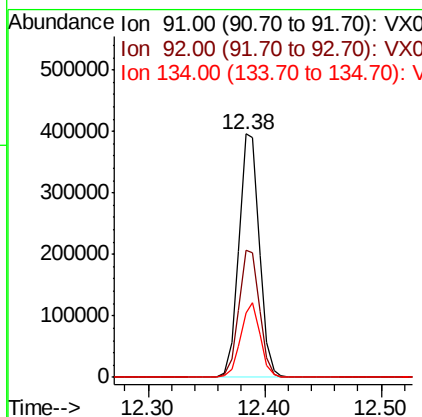
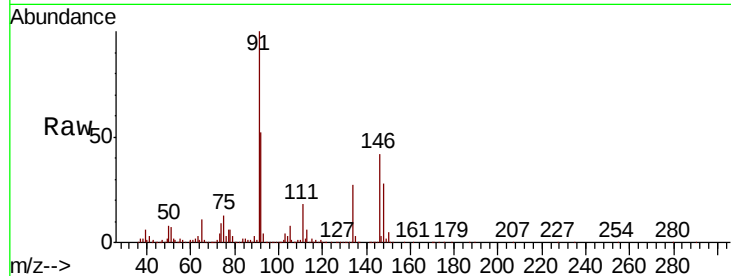




#89
n-Butylbenzene
Concen: 20.326 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

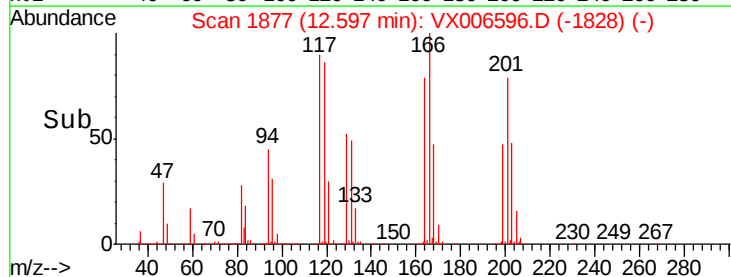
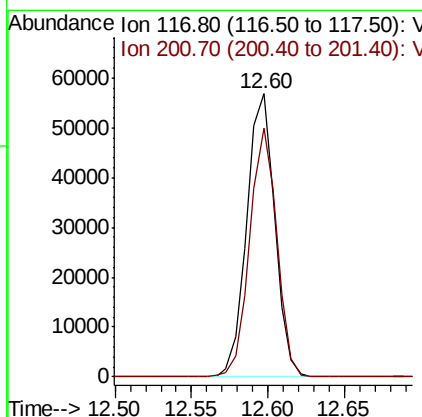
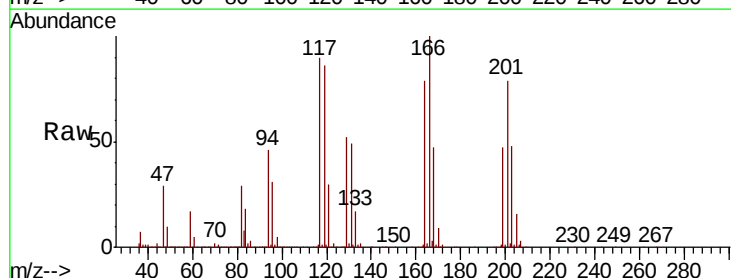
Instrument :
MSVOA_X
ClientSampleId :
VX1218WBS01

Tot Ion: 91 Resp: 486576
Ion Ratio Lower Upper
91 100
92 52.8 26.6 79.8
134 29.2 14.8 44.3



#90
Hexachloroethane
Concen: 18.686 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

Tgt Ion: 117 Resp: 72541
Ion Ratio Lower Upper
117 100
201 84.8 44.7 134.1





#91

1,2-Dichlorobenzene

Concen: 19.901 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX1218WBS01

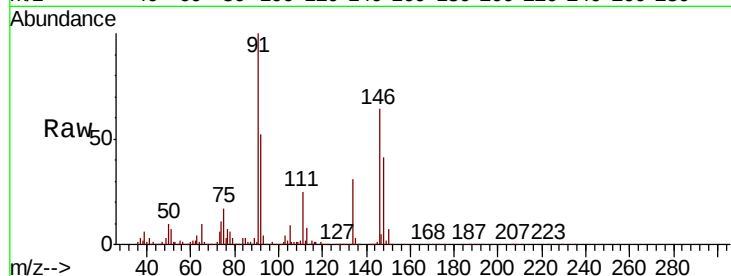
Tot Ion:146 Resp: 307091

Ion Ratio Lower Upper

146 100

111 38.9 19.1 57.3

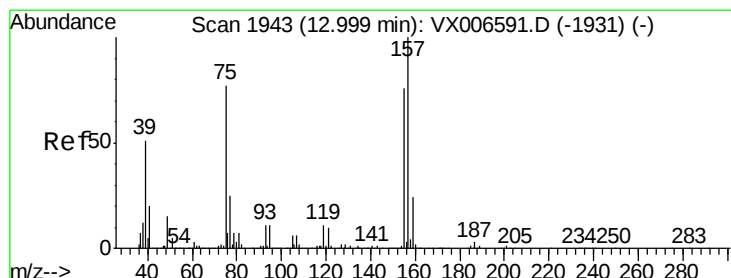
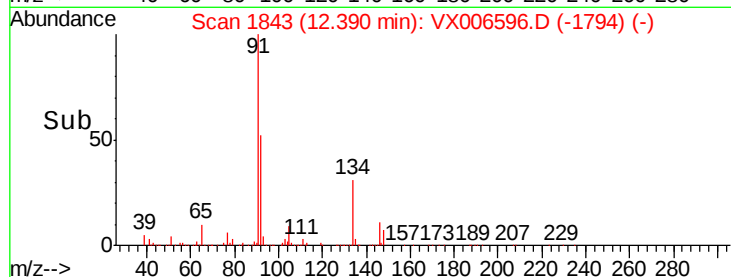
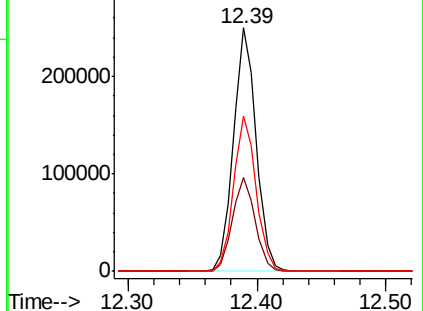
148 63.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.601 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006596.D

Acq: 18 Dec 2018 14:31

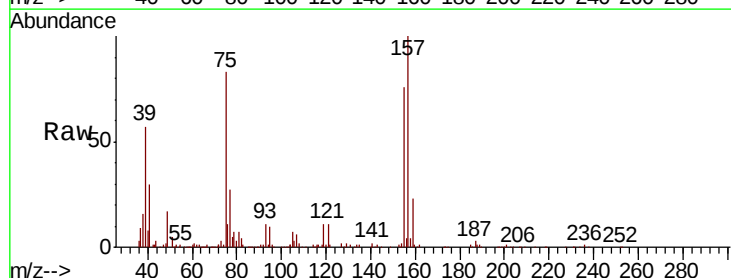
Tgt Ion: 75 Resp: 36238

Ion Ratio Lower Upper

75 100

155 97.4 53.4 160.3

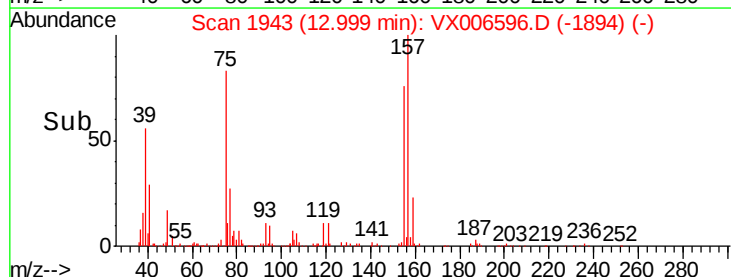
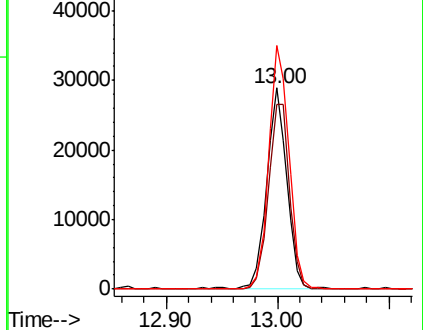
157 123.0 68.0 203.8

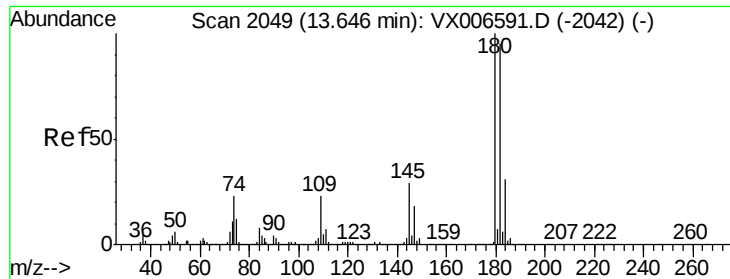


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

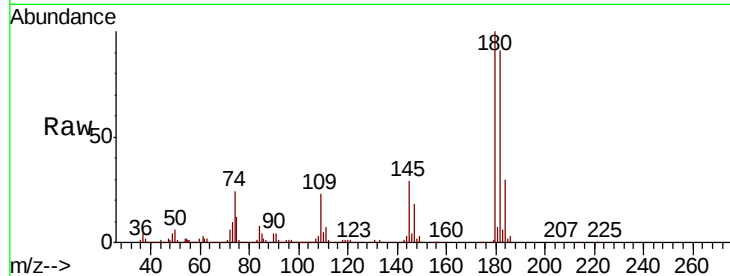




#93
 1,2,4-Trichlorobenzene
 Concen: 20.063 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006596.D
 Acq: 18 Dec 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1218WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.9
145	30.0	14.6	43.8

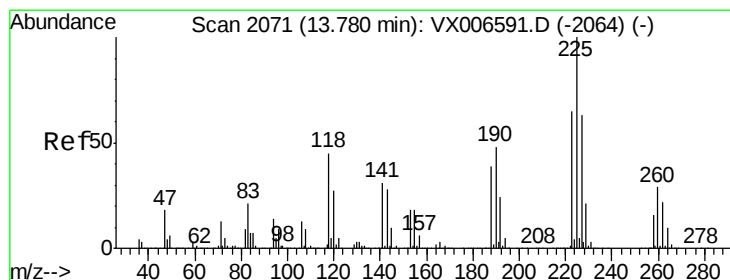
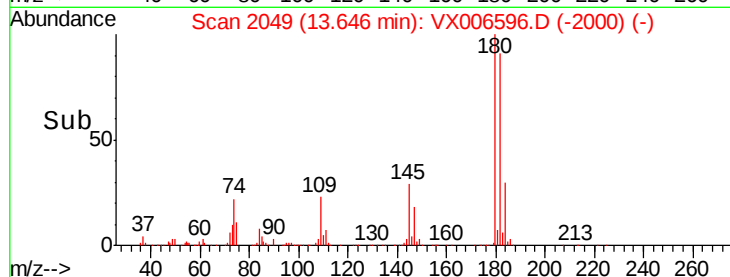
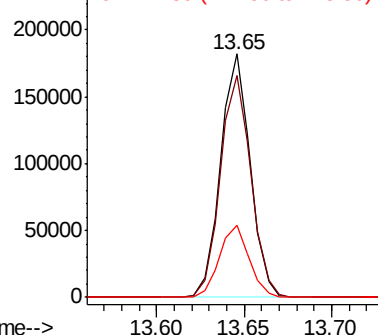


Abundance

Ion 179.80 (179.50 to 180.50): V

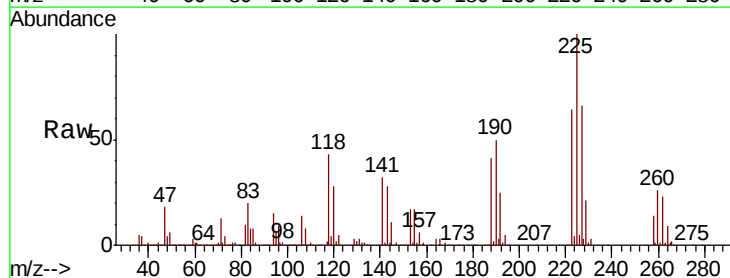
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.744 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX006596.D
 Acq: 18 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.2	93.6
227	63.2	31.9	95.5

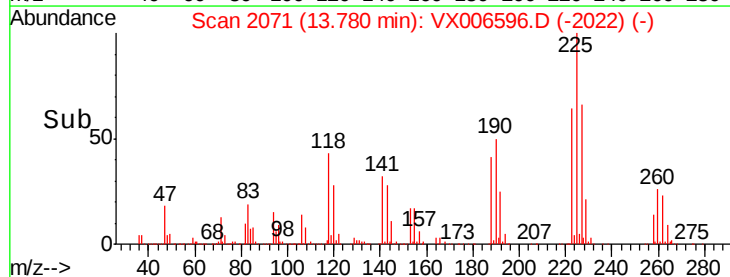
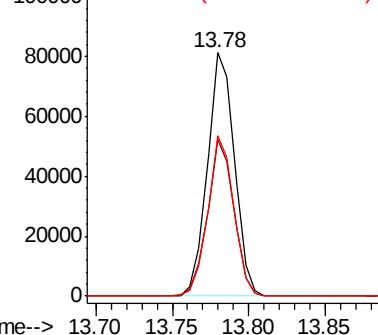


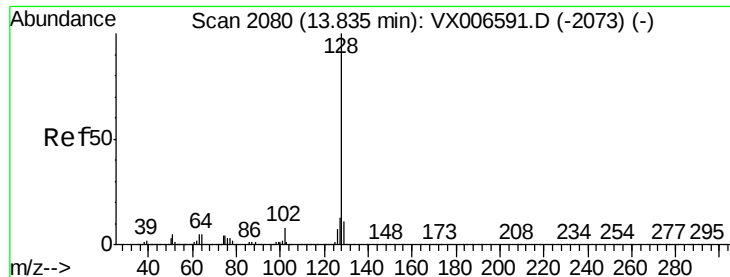
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

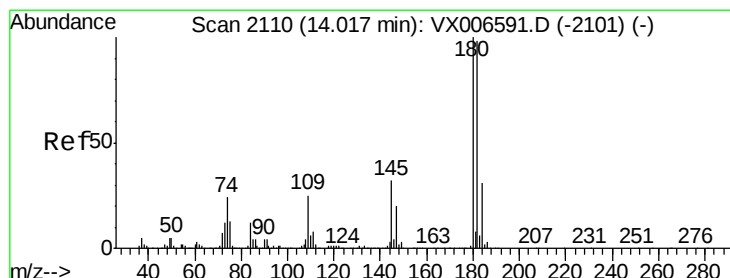
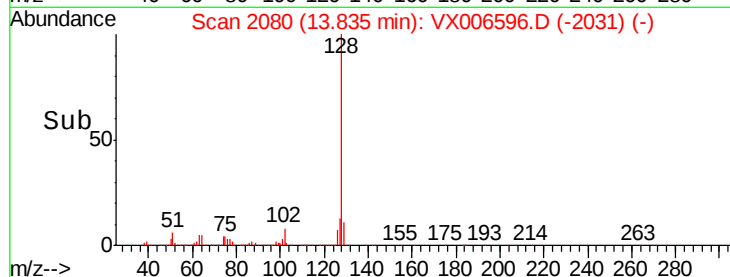
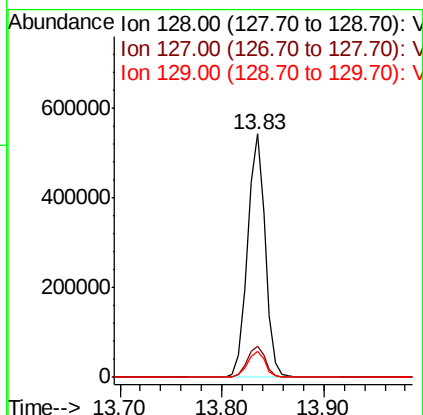
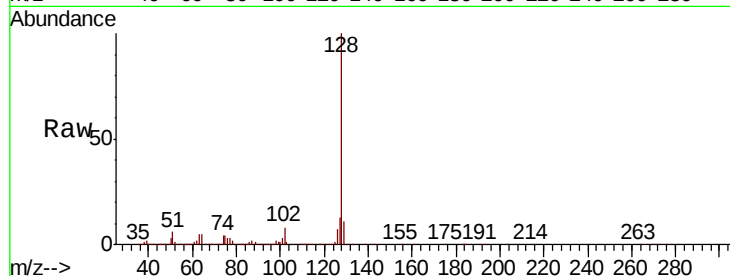




#95
Naphthalene
Concen: 19.163 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX1218WBS01

Tot Ion:128 Resp: 651038
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.438 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX006596.D
Acq: 18 Dec 2018 14:31

Tgt Ion:180 Resp: 213625
Ion Ratio Lower Upper
180 100
182 95.9 48.4 145.2
145 32.0 15.6 46.8

