

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006637.D
 Acq On : 19 Dec 2018 15:24
 Operator : JC/MD
 Sample : VX1219WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

Quant Time: Dec 20 04:01:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	591440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	914082	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	836428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	440718	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	322048	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	5.50	113	282834	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	8.71	98	1099638	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.13	95	407068	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	108997	20.145	ug/l	99
3) Chloromethane	1.33	50	116487	19.983	ug/l	96
4) Vinyl Chloride	1.41	62	124127	20.389	ug/l	100
5) Bromomethane	1.64	94	122302	20.392	ug/l	97
6) Chloroethane	1.72	64	80076	18.996	ug/l	99
7) Trichlorofluoromethane	1.93	101	194764	20.519	ug/l	100
8) Diethyl Ether	2.19	74	73158	19.405	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	118973	21.348	ug/l	99
10) Methyl Iodide	2.51	142	162011	20.308	ug/l	98
11) Tert butyl alcohol	3.06	59	152935	107.506	ug/l	98
12) 1,1-Dichloroethene	2.38	96	105611	19.986	ug/l	94
13) Acrolein	2.29	56	84018	87.549	ug/l	99
14) Allyl chloride	2.73	41	175668	19.749	ug/l	99
15) Acrylonitrile	3.15	53	324018	102.585	ug/l	99
16) Acetone	2.45	43	306540	104.673	ug/l	97
17) Carbon Disulfide	2.57	76	248466	17.767	ug/l	100
18) Methyl Acetate	2.78	43	176353	20.479	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	364135	20.762	ug/l	98
20) Methylene Chloride	2.85	84	123144	20.335	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	114350	19.530	ug/l	99
22) Diisopropyl ether	3.87	45	336419	20.674	ug/l	98
23) Vinyl Acetate	3.82	43	1320357	99.197	ug/l	99
24) 1,1-Dichloroethane	3.70	63	194174	19.989	ug/l	98
25) 2-Butanone	4.70	43	419186	101.760	ug/l	98
26) 2,2-Dichloropropane	4.59	77	140269	18.693	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	128104	19.830	ug/l	98
28) Bromochloromethane	5.02	49	86909	20.116	ug/l	98
29) Tetrahydrofuran	5.15	42	273425	100.778	ug/l	98
30) Chloroform	5.21	83	203217	20.202	ug/l	96
31) Cyclohexane	5.57	56	176394	19.988	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	165387	19.471	ug/l	97
36) 1,1-Dichloropropene	5.80	75	151387	19.996	ug/l	100
37) Ethyl Acetate	4.85	43	155492	19.733	ug/l	100
38) Carbon Tetrachloride	5.79	117	141673	19.255	ug/l	94

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Quant Time: Dec 20 04:01:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	200983	20.165	ug/l	96
40) Benzene	6.14	78	463272	20.131	ug/l	98
41) Methacrylonitrile	5.06	41	86164	20.596	ug/l	98
42) 1,2-Dichloroethane	6.19	62	154801	19.741	ug/l	100
43) Isopropyl Acetate	6.46	43	235371	19.632	ug/l	99
44) Trichloroethene	7.21	130	135526	19.458	ug/l	99
45) 1,2-Dichloropropane	7.51	63	112638	20.114	ug/l	96
46) Dibromomethane	7.66	93	80668	19.584	ug/l	98
47) Bromodichloromethane	7.90	83	132189	19.330	ug/l	95
48) Methyl methacrylate	7.77	41	124778	20.466	ug/l	99
49) 1,4-Dioxane	7.75	88	69009	421.087	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	802619	105.214	ug/l	99
52) Toluene	8.78	92	305155	20.526	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	136394	18.596	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	156882	19.494	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	124519	20.462	ug/l	98
56) Ethyl methacrylate	9.18	69	178346	20.736	ug/l	99
57) 1,3-Dichloropropane	9.37	76	198366	20.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	461194	100.875	ug/l	100
59) 2-Hexanone	9.49	43	624208	106.946	ug/l	99
60) Dibromochloromethane	9.59	129	109385	18.712	ug/l	99
61) 1,2-Dibromoethane	9.67	107	130969	20.246	ug/l	100
64) Tetrachloroethene	9.34	164	135256	20.421	ug/l	98
65) Chlorobenzene	10.14	112	357488	20.202	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	111327	20.165	ug/l	99
67) Ethyl Benzene	10.25	91	584590	20.217	ug/l	100
68) m/p-Xylenes	10.36	106	471229	41.300	ug/l	99
69) o-Xylene	10.69	106	231461	20.543	ug/l	97
70) Styrene	10.71	104	372029	20.871	ug/l	99
71) Bromoform	10.86	173	74395	18.066	ug/l #	99
73) Isopropylbenzene	11.02	105	609511	20.216	ug/l	100
74) N-amyl acetate	10.90	43	221748	20.547	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	184492	20.575	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	193223	23.591	ug/l	91
77) Bromobenzene	11.26	156	161437	19.805	ug/l	99
78) n-propylbenzene	11.36	91	682751	20.564	ug/l	100
79) 2-Chlorotoluene	11.42	91	408769	20.316	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	505270	20.346	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	37532	16.997	ug/l #	85
82) 4-Chlorotoluene	11.51	91	471583	20.433	ug/l	99
83) tert-Butylbenzene	11.77	119	498849	20.071	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	518904	19.865	ug/l	99
85) sec-Butylbenzene	11.94	105	625082	20.512	ug/l	99
86) p-Isopropyltoluene	12.06	119	554551	20.702	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	299640	20.397	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	301111	19.994	ug/l	98
89) n-Butylbenzene	12.39	91	471152	20.667	ug/l	100
90) Hexachloroethane	12.60	117	69174	18.707	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	297339	20.233	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34880	18.800	ug/l	96

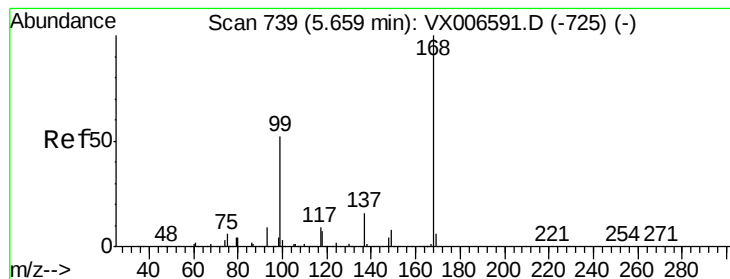
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121918\
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Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	205836	20.305	ug/l	99
94) Hexachlorobutadiene	13.78	225	95711	20.031	ug/l	98
95) Naphthalene	13.83	128	635799	19.651	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	203469	19.440	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

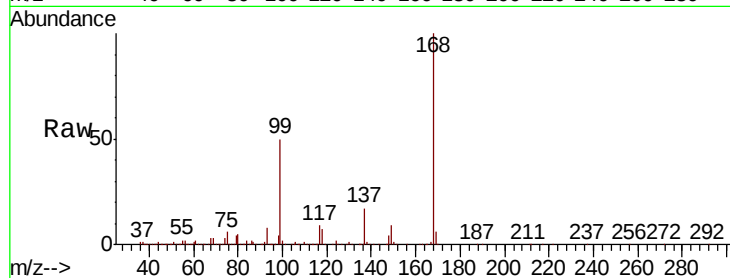
VX1219WBS01

Tot Ion:168 Resp: 591440

Ion Ratio Lower Upper

168 100

99 50.2 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX006637.D (-690) (-)

Ion 98.90 (98.60 to 99.60): VX006637.D (-690) (-)

5.67

200000

150000

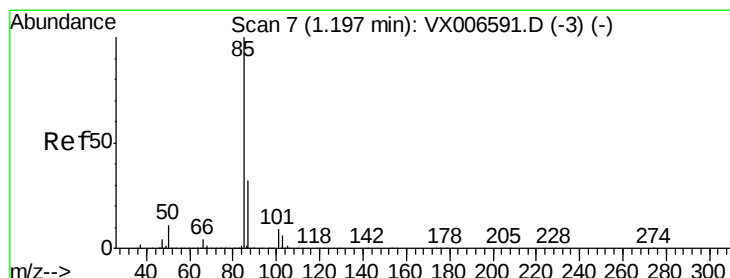
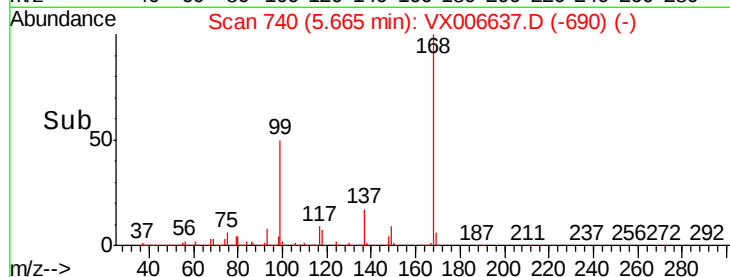
100000

50000

0

5.60 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.145 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006637.D

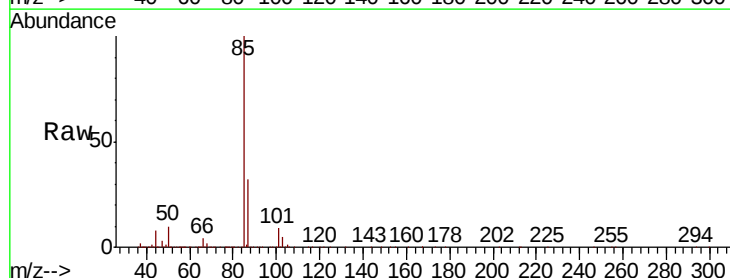
Acq: 19 Dec 2018 15:24

Tgt Ion: 85 Resp: 108997

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX006637.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VX006637.D (-1) (-)

1.20

120000

100000

80000

60000

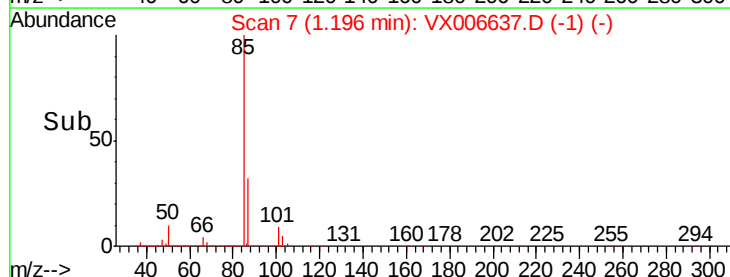
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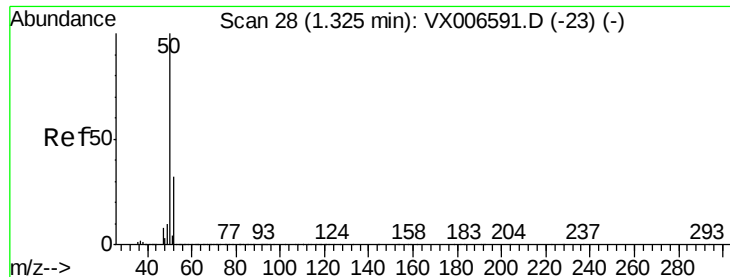
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.983 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

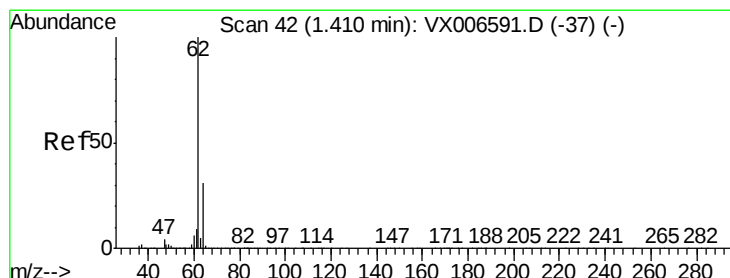
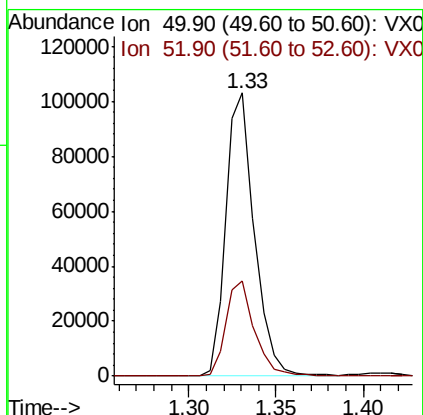
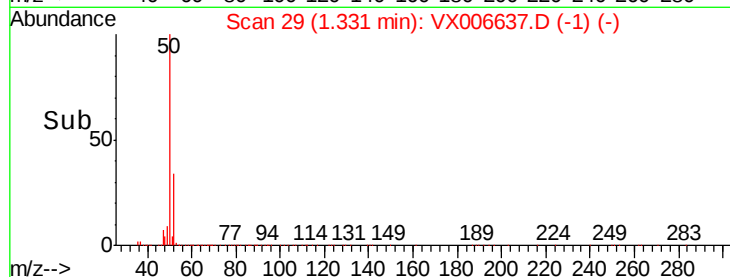
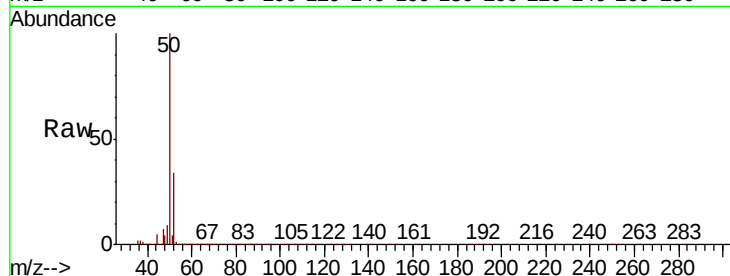
VX1219WBS01

Tot Ion: 50 Resp: 116487

Ion Ratio Lower Upper

50 100

52 33.9 25.4 38.2



#4

Vinyl Chloride

Concen: 20.389 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006637.D

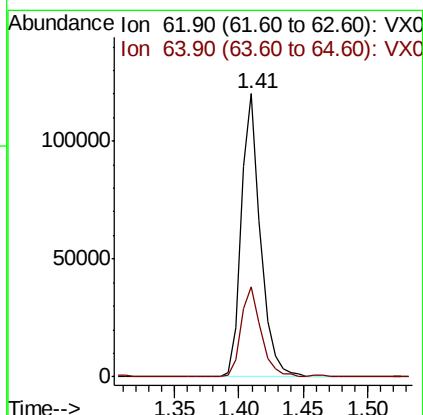
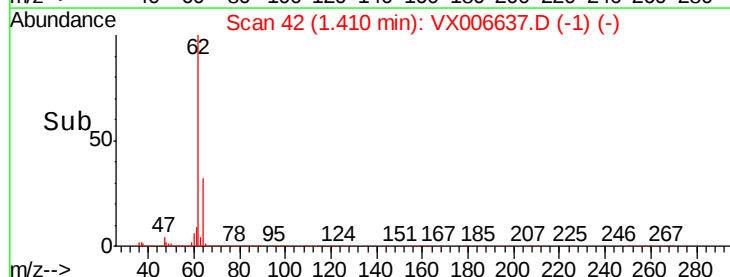
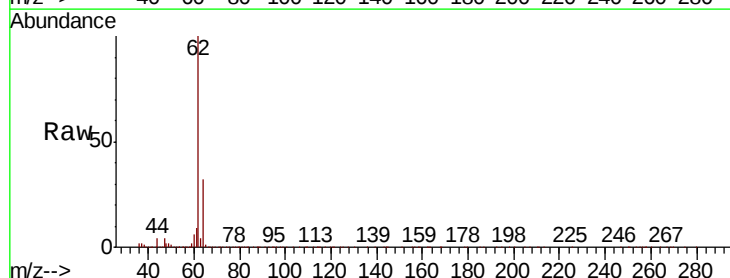
Acq: 19 Dec 2018 15:24

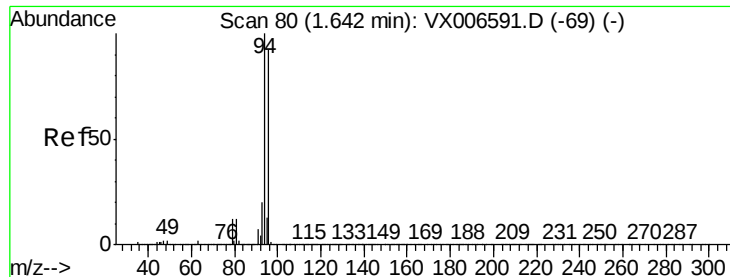
Tgt Ion: 62 Resp: 124127

Ion Ratio Lower Upper

62 100

64 31.5 25.1 37.7





#5

Bromomethane

Concen: 20.392 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

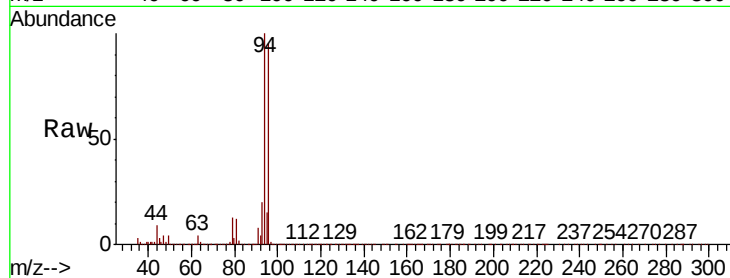
VX1219WBS01

Tot Ion: 94 Resp: 122302

Ion Ratio Lower Upper

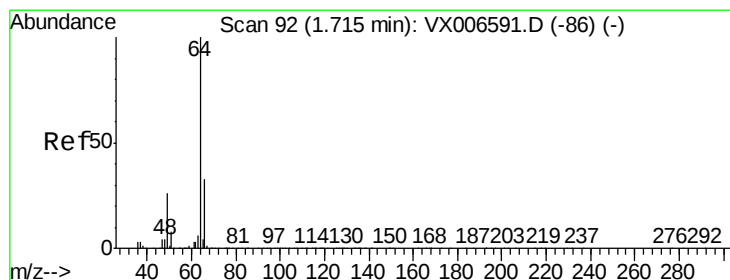
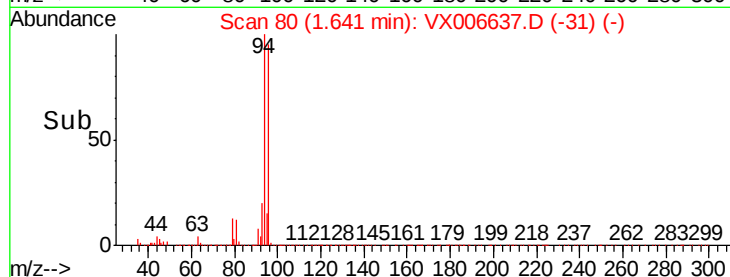
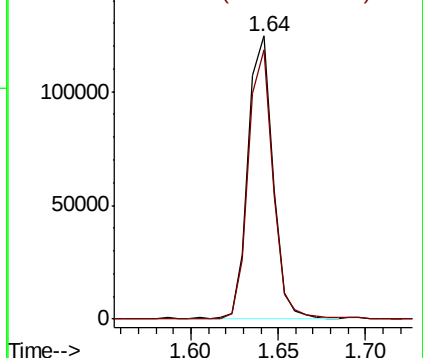
94 100

96 95.1 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.996 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006637.D

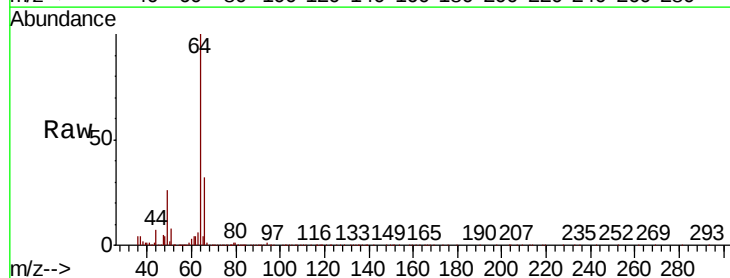
Acq: 19 Dec 2018 15:24

Tgt Ion: 64 Resp: 80076

Ion Ratio Lower Upper

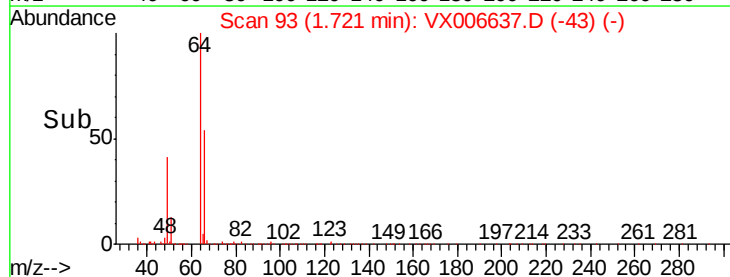
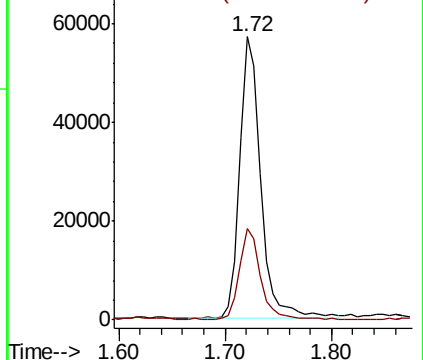
64 100

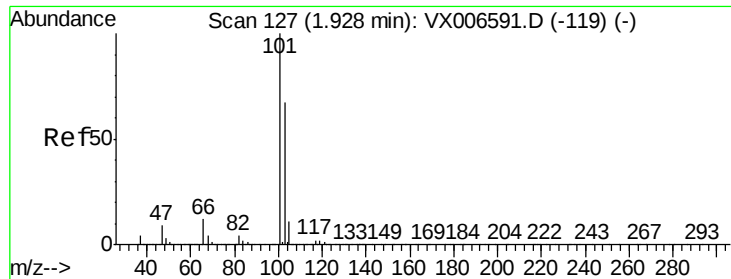
66 32.3 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



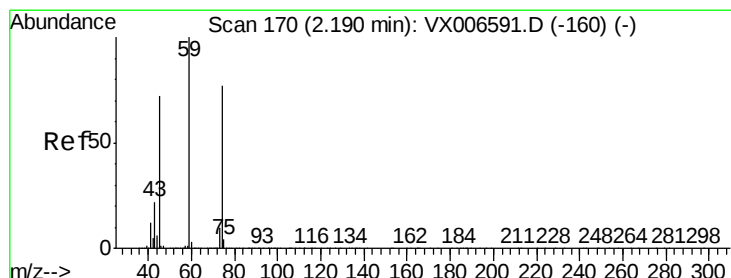
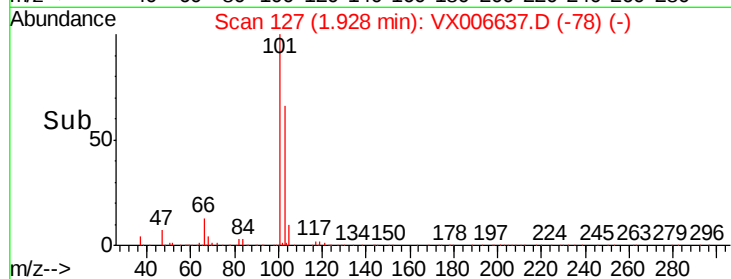
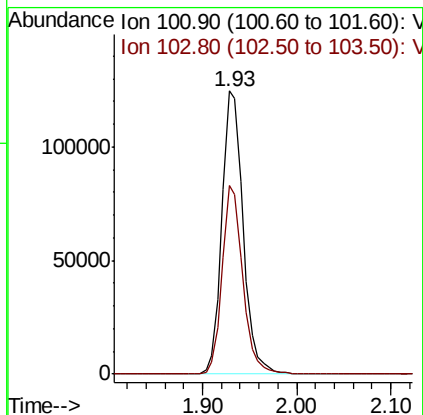
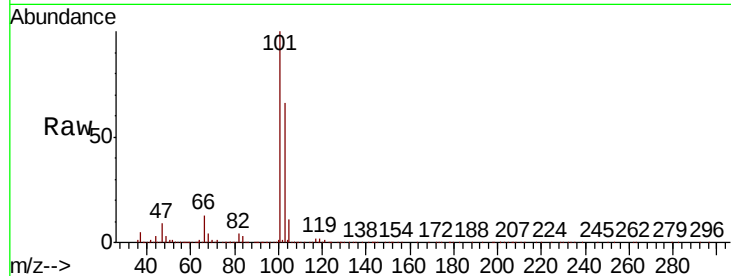


#7

Trichlorofluoromethane
 Concen: 20.519 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

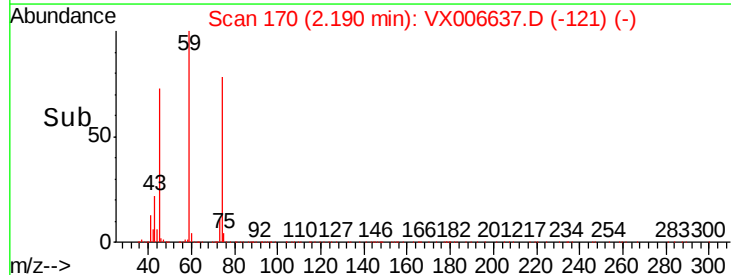
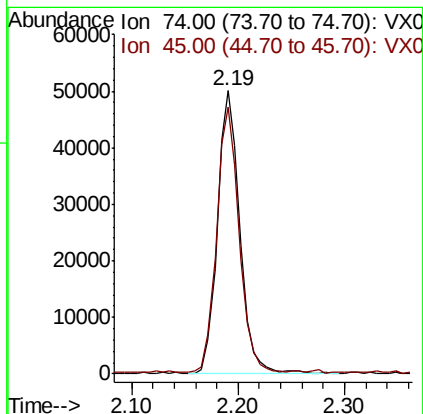
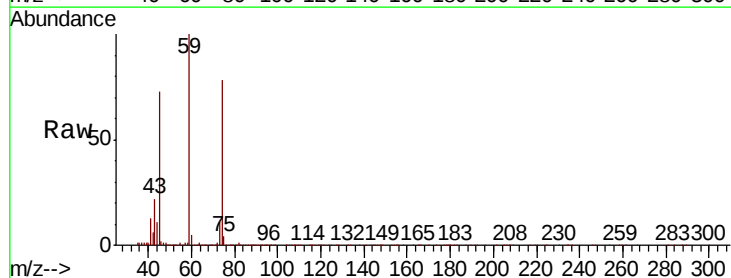
Tot Ion:101 Resp: 194764
 Ion Ratio Lower Upper
 101 100
 103 66.4 53.2 79.8

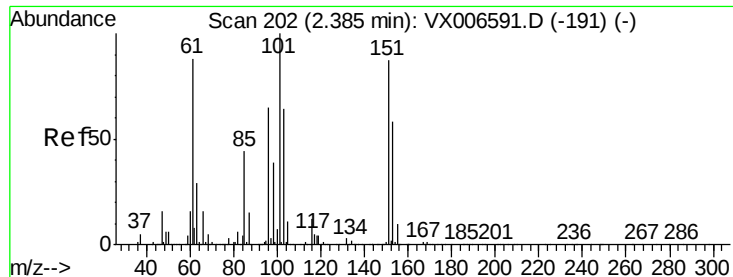


#8

Diethyl Ether
 Concen: 19.405 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

Tgt Ion: 74 Resp: 73158
 Ion Ratio Lower Upper
 74 100
 45 93.7 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.348 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

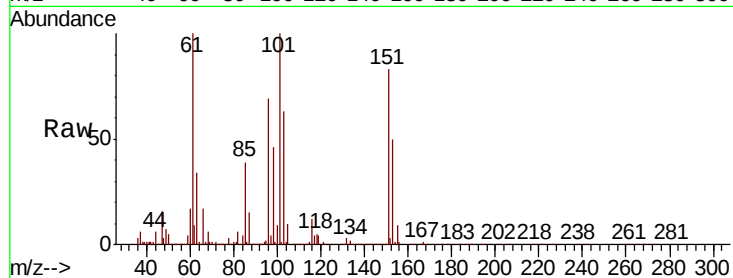
Tot Ion:101 Resp: 118973

Ion Ratio Lower Upper

101 100

85 43.6 35.1 52.7

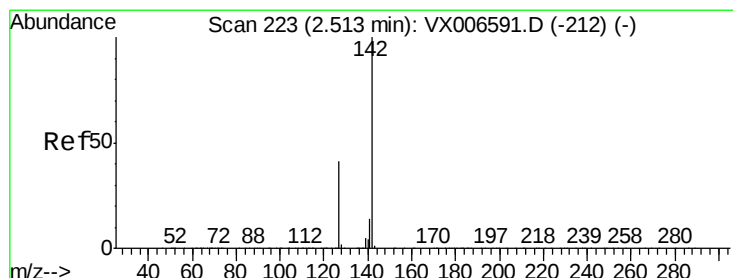
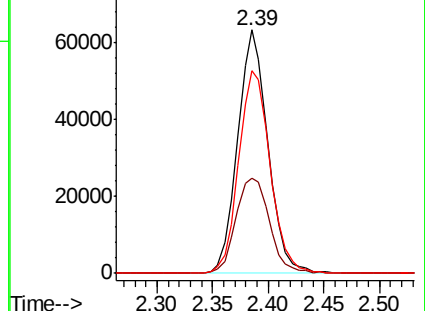
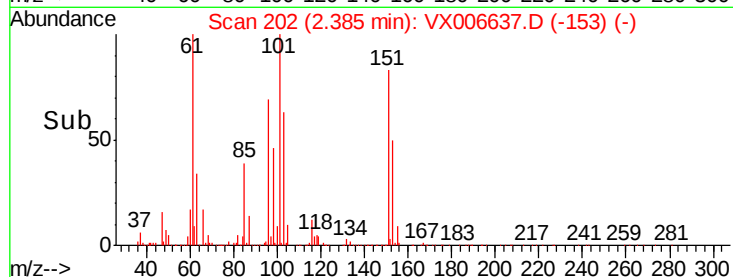
151 86.6 68.9 103.3



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: 20.308 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

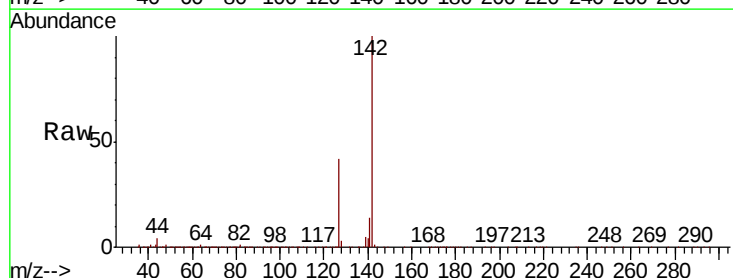
Tgt Ion:142 Resp: 162011

Ion Ratio Lower Upper

142 100

127 44.1 33.9 50.9

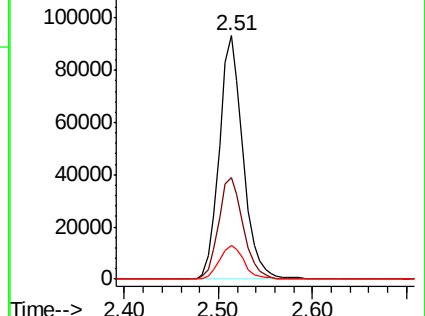
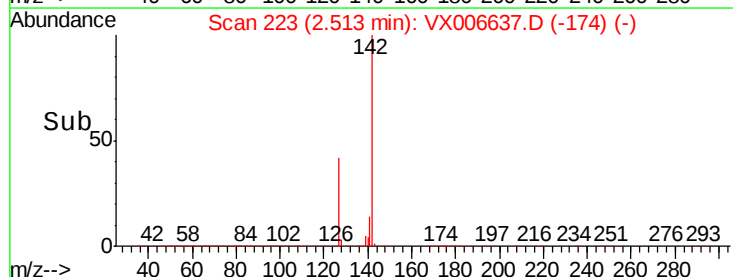
141 14.5 11.4 17.0

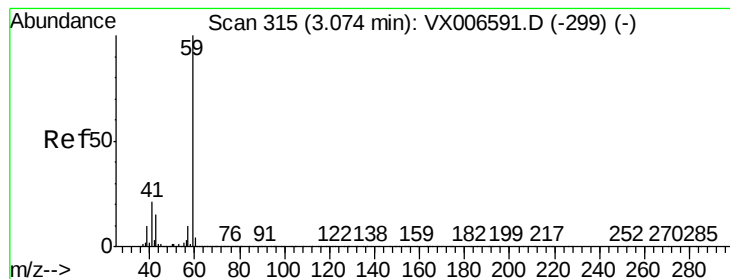


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



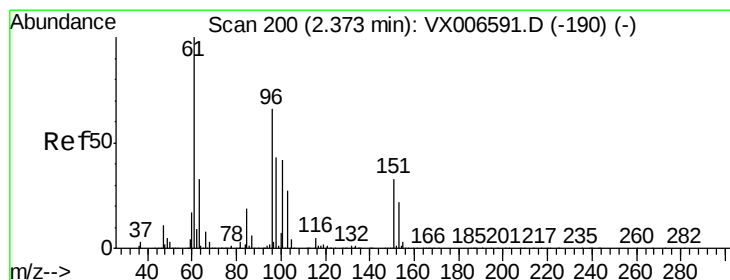
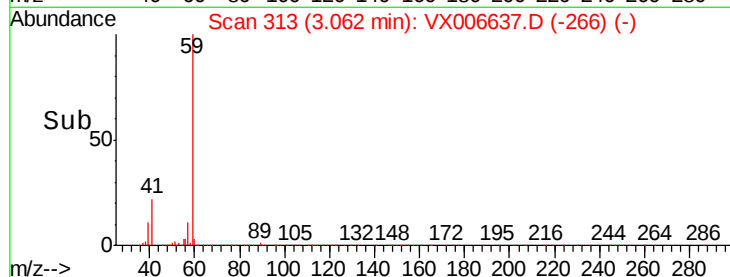
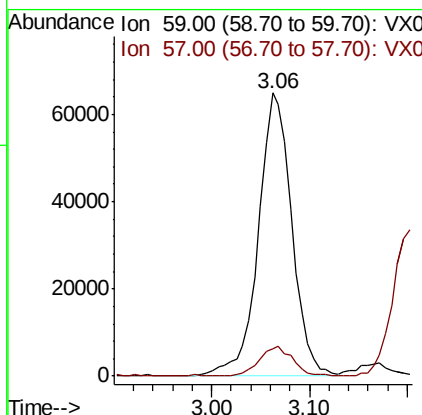
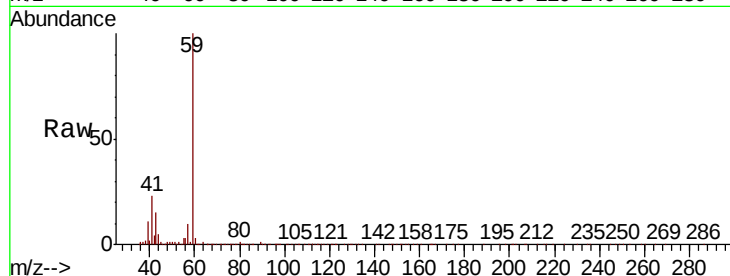


#11

Tert butyl alcohol
Concen: 107.506 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

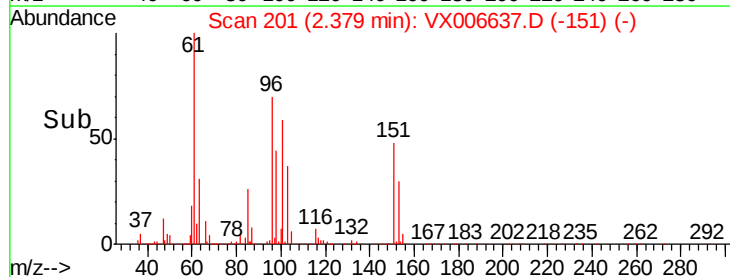
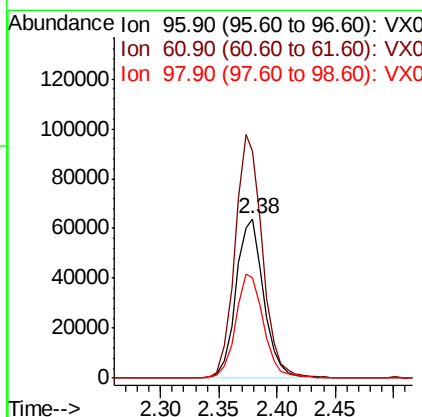
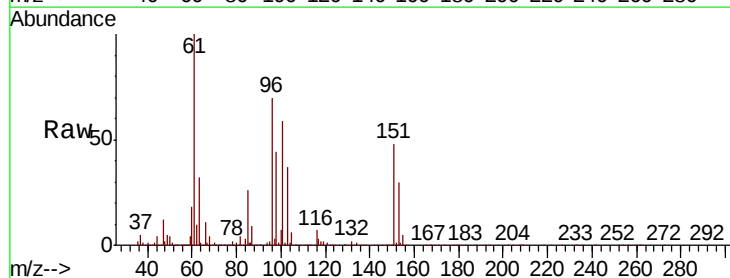
Tot Ion: 59 Resp: 152935
Ion Ratio Lower Upper
59 100
57 10.0 8.5 12.7

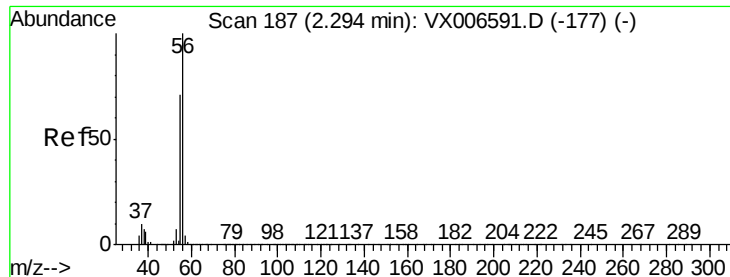


#12

1,1-Dichloroethene
Concen: 19.986 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion: 96 Resp: 105611
Ion Ratio Lower Upper
96 100
61 142.3 121.4 182.2
98 62.8 51.9 77.9





#13

Acrolein

Concen: 87.549 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

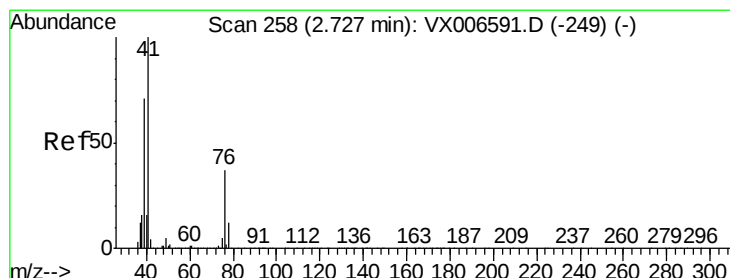
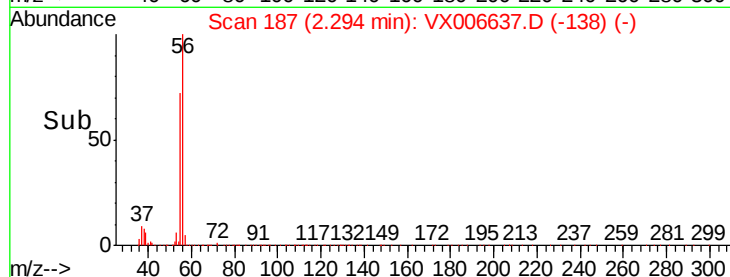
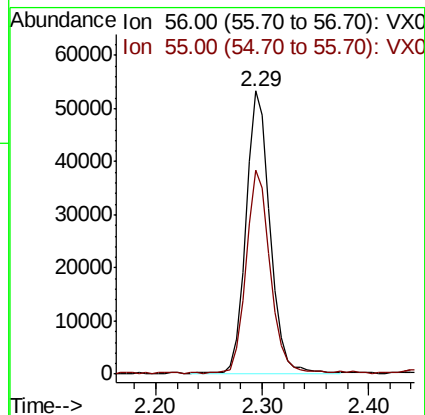
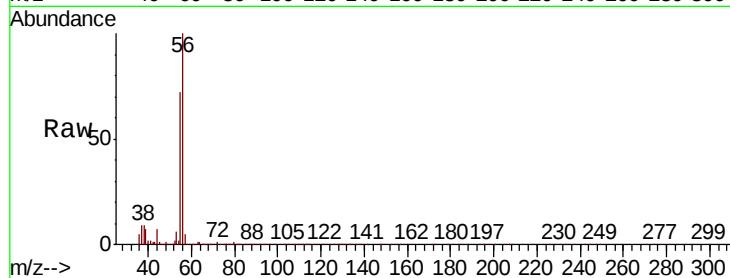
VX1219WBS01

Tot Ion: 56 Resp: 84018

Ion Ratio Lower Upper

56 100

55 72.2 58.2 87.4



#14

Allyl chloride

Concen: 19.749 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

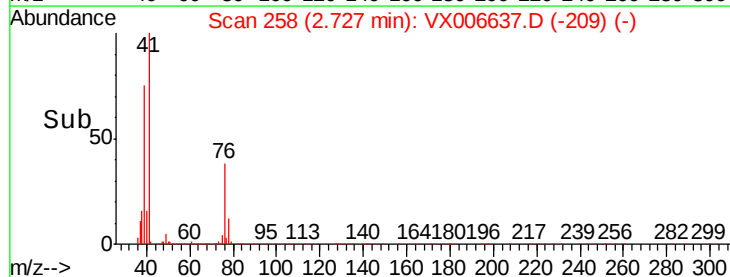
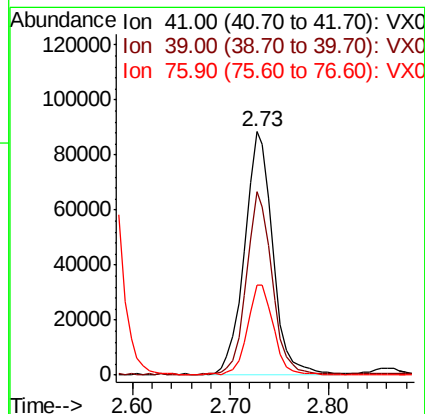
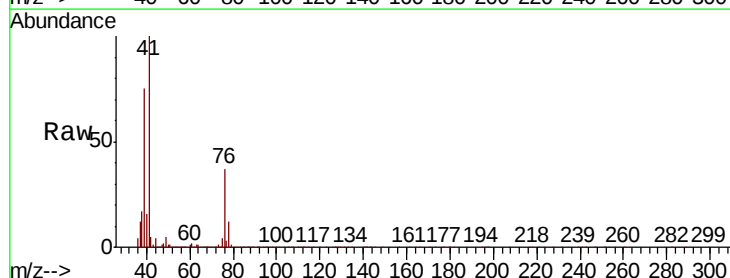
Tgt Ion: 41 Resp: 175668

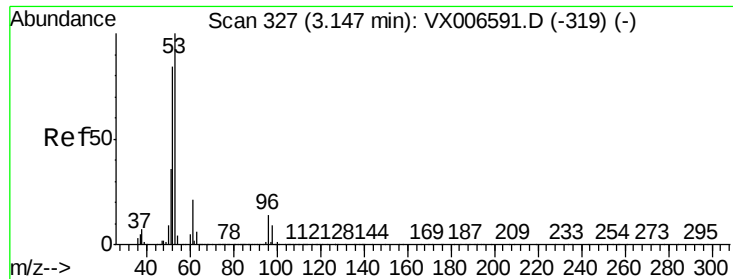
Ion Ratio Lower Upper

41 100

39 68.3 53.6 80.4

76 34.1 27.4 41.2





#15

Acrylonitrile

Concen: 102.585 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

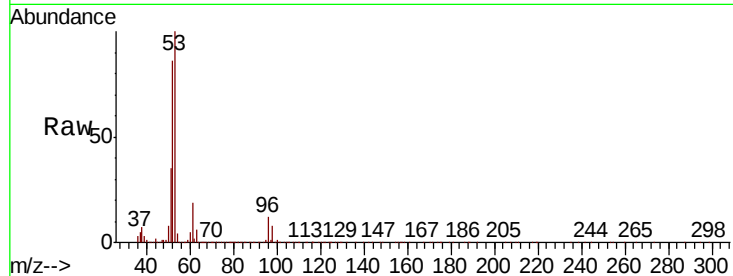
Tot Ion: 53 Resp: 324018

Ion Ratio Lower Upper

53 100

52 84.0 66.0 99.0

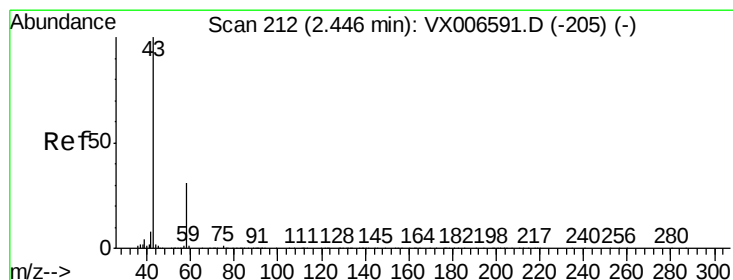
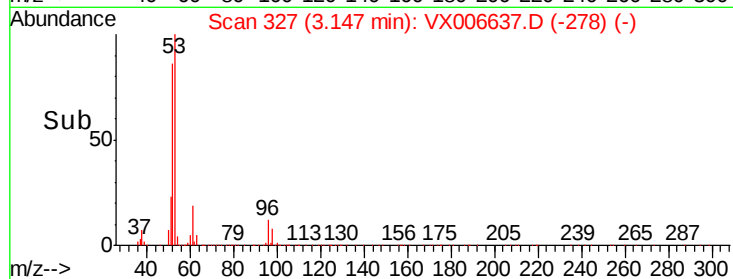
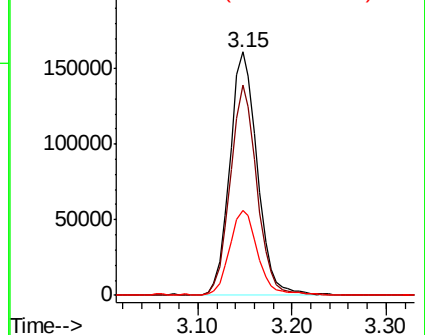
51 35.6 28.6 42.8



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: 104.673 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006637.D

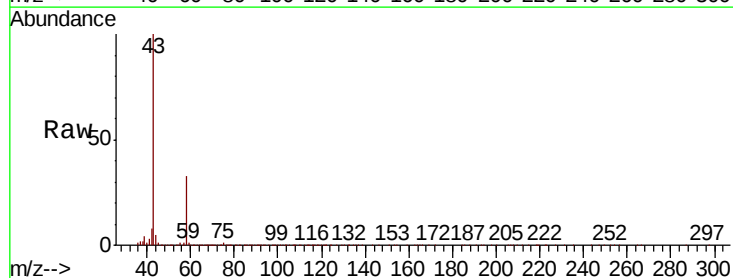
Acq: 19 Dec 2018 15:24

Tgt Ion: 43 Resp: 306540

Ion Ratio Lower Upper

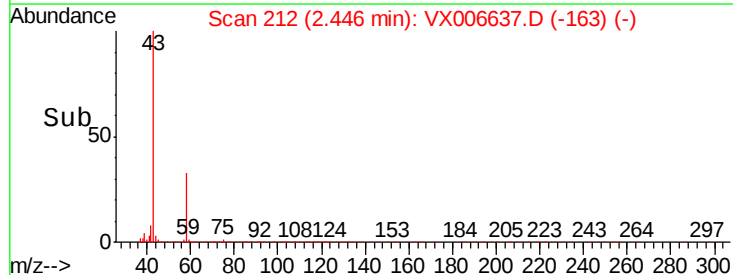
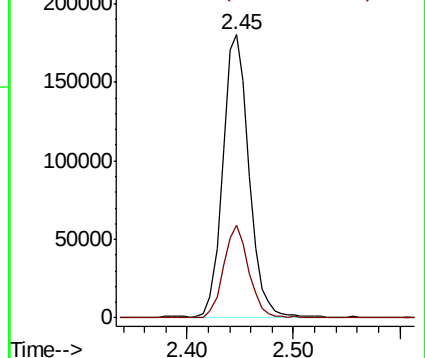
43 100

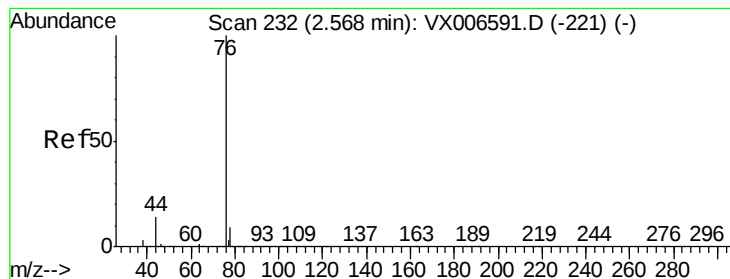
58 32.7 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 17.767 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

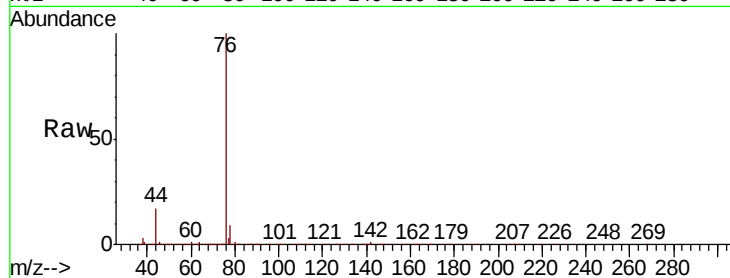
VX1219WBS01

Tot Ion: 76 Resp: 248466

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150000

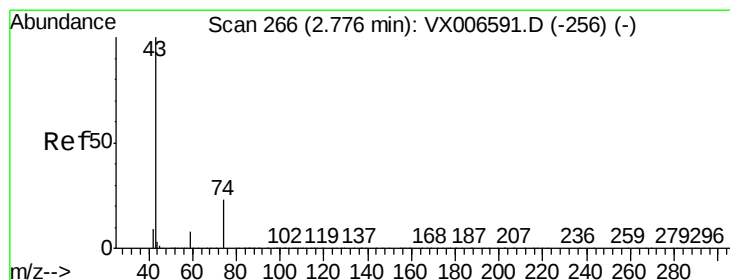
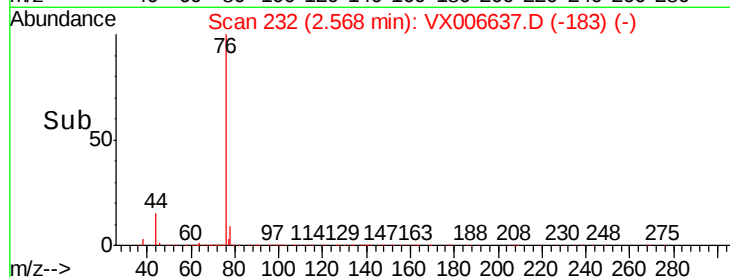
100000

50000

0

2.50 2.55 2.60 2.65

Time-->



#18

Methyl Acetate

Concen: 20.479 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX006637.D

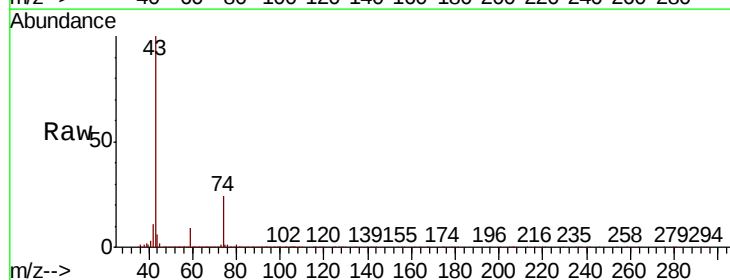
Acq: 19 Dec 2018 15:24

Tgt Ion: 43 Resp: 176353

Ion Ratio Lower Upper

43 100

74 24.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

60000

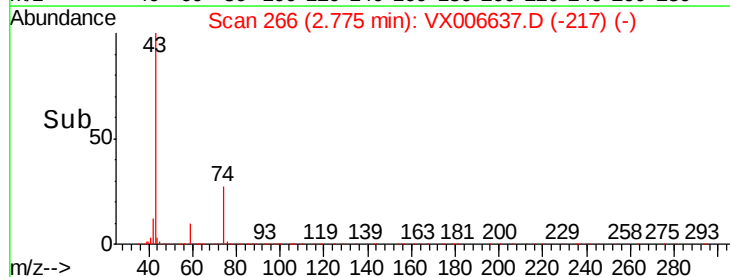
40000

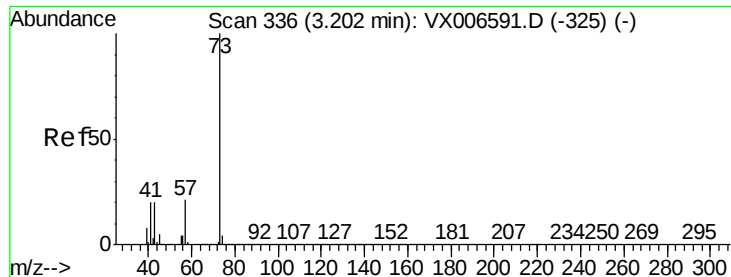
20000

0

2.70 2.75 2.80 2.85

Time-->



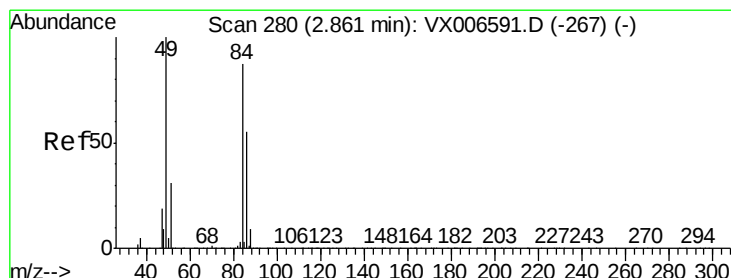
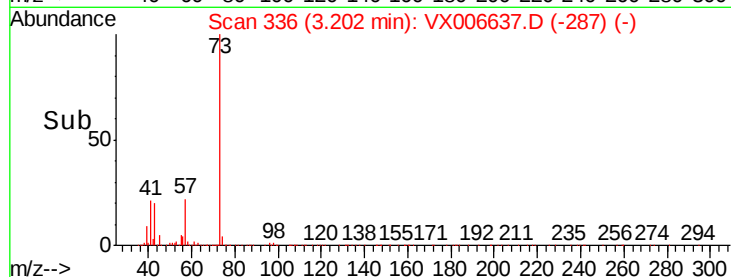
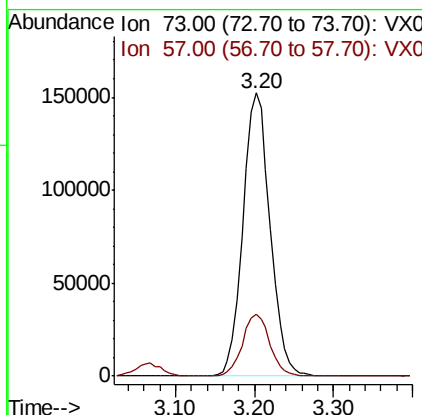
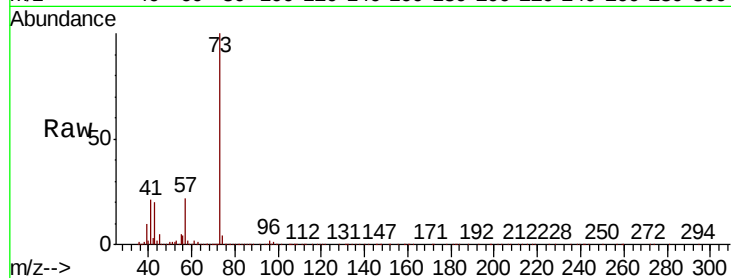


#19

Methyl tert-butyl Ether
 Concen: 20.762 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

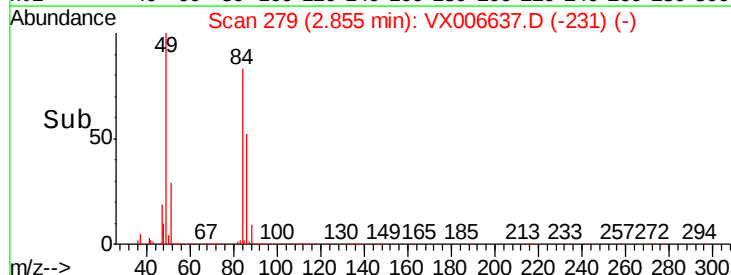
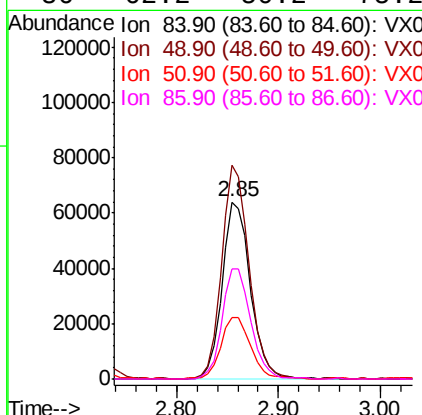
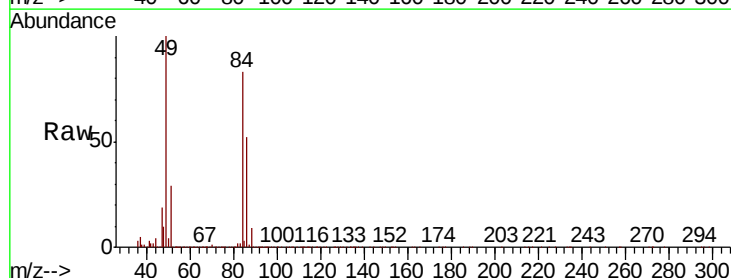
Tot Ion: 73 Resp: 364135
 Ion Ratio Lower Upper
 73 100
 57 21.7 16.8 25.2

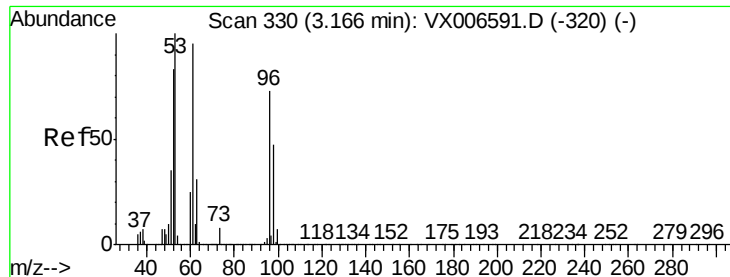


#20

Methylene Chloride
 Concen: 20.335 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

Tgt Ion: 84 Resp: 123144
 Ion Ratio Lower Upper
 84 100
 49 120.5 91.8 137.6
 51 34.7 28.5 42.7
 86 62.2 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 19.530 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

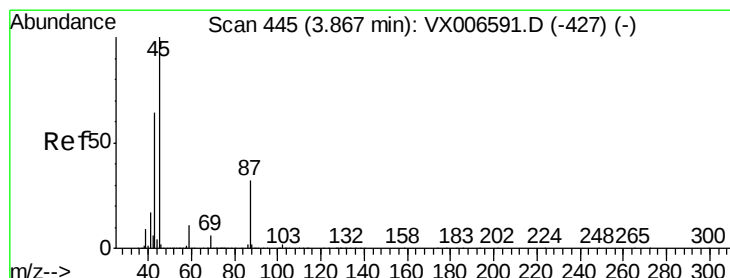
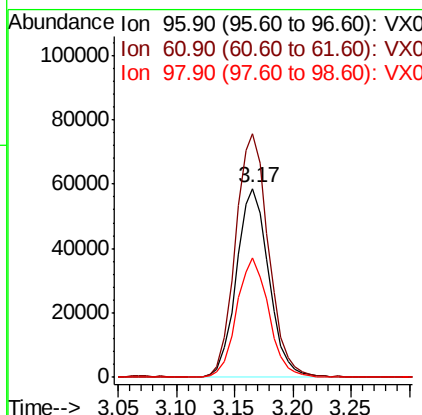
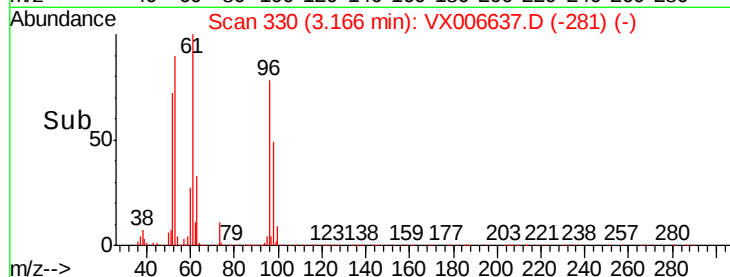
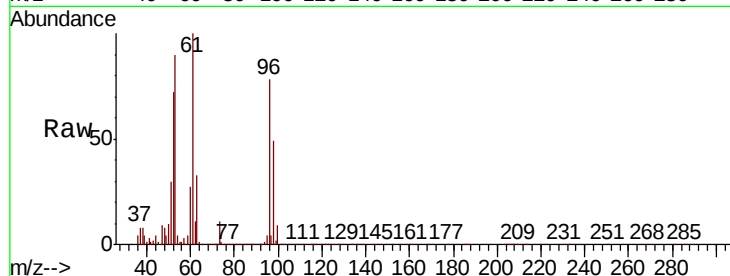
Tot Ion: 96 Resp: 114350

Ion Ratio Lower Upper

96 100

61 128.5 103.7 155.5

98 63.2 51.0 76.6



#22

Diisopropyl ether

Concen: 20.674 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Tgt Ion: 45 Resp: 336419

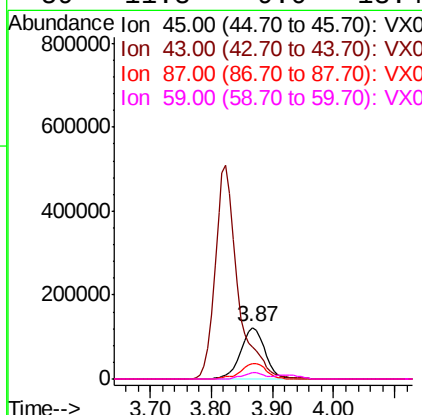
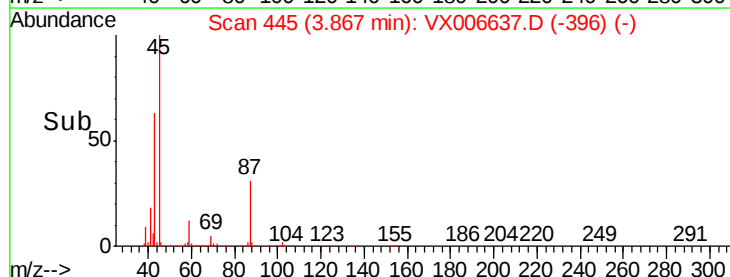
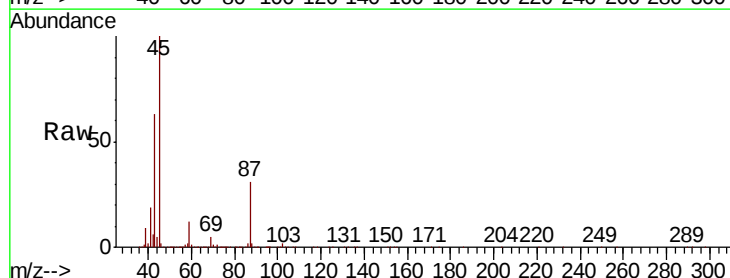
Ion Ratio Lower Upper

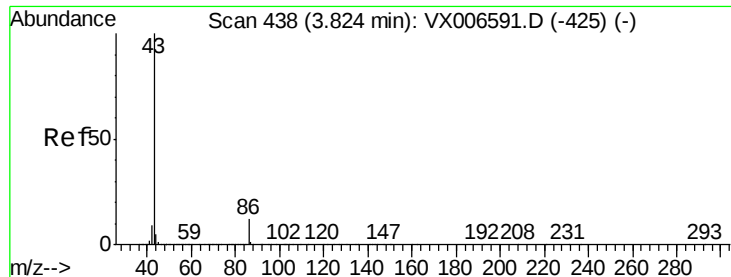
45 100

43 62.5 51.2 76.8

87 31.2 25.8 38.6

59 11.8 9.0 13.4





#23

Vinyl Acetate

Concen: 99.197 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

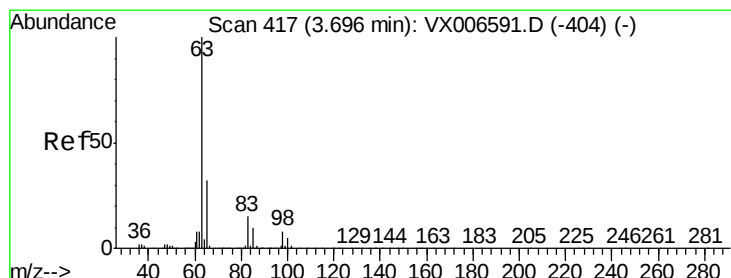
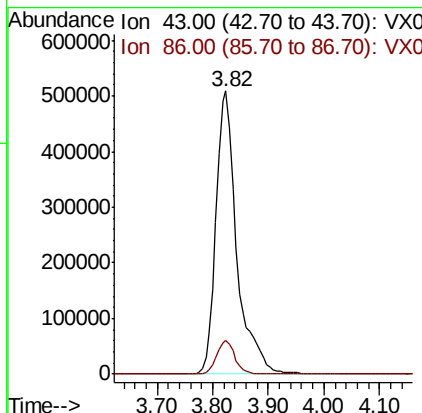
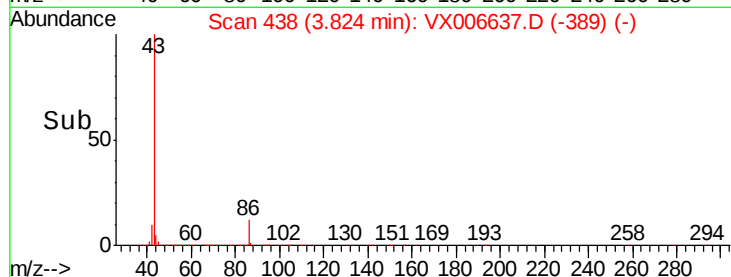
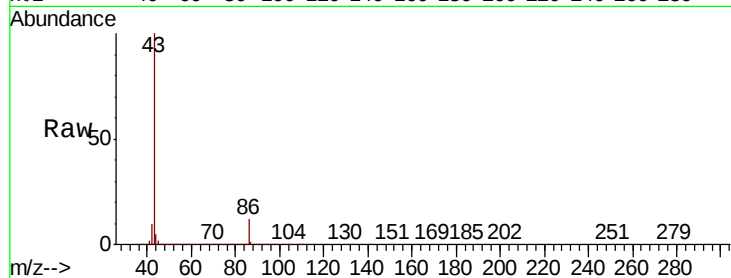
VX1219WBS01

Tot Ion: 43 Resp: 1320357

Ion Ratio Lower Upper

43 100

86 12.0 9.2 13.8



#24

1,1-Dichloroethane

Concen: 19.989 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

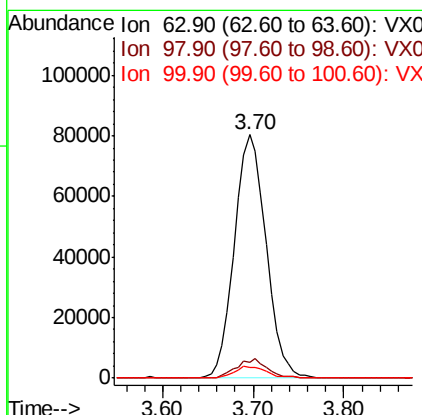
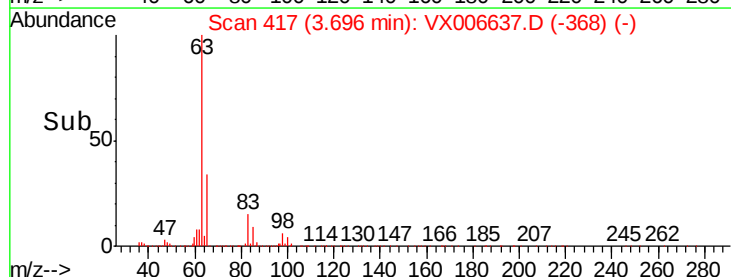
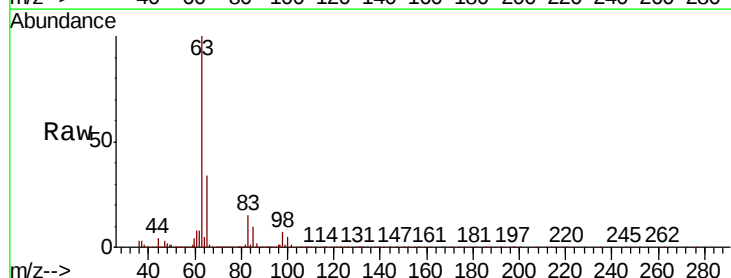
Tgt Ion: 63 Resp: 194174

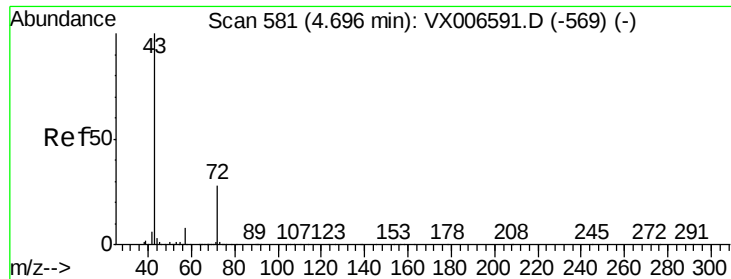
Ion Ratio Lower Upper

63 100

98 6.5 3.9 11.5

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 101.760 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

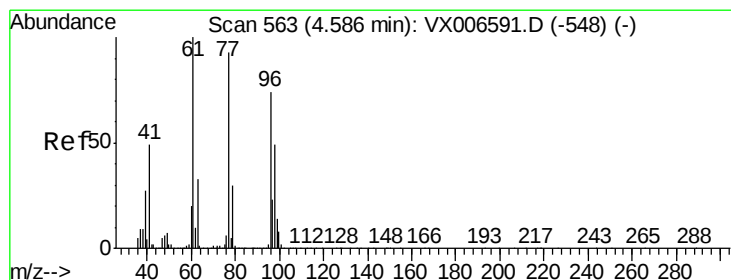
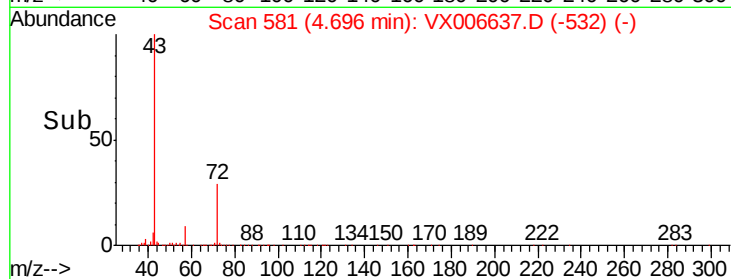
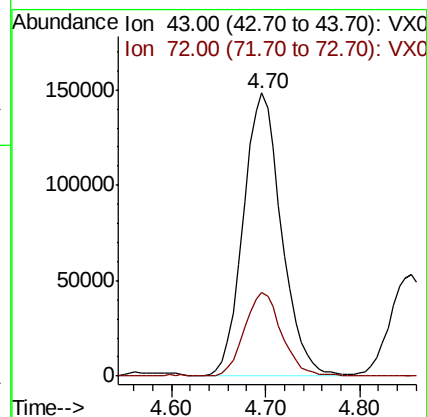
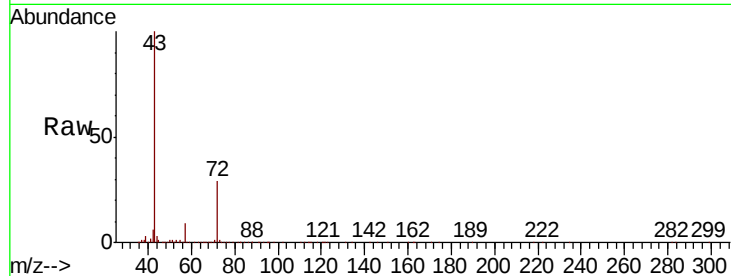
VX1219WBS01

Tot Ion: 43 Resp: 419186

Ion Ratio Lower Upper

43 100

72 29.2 22.4 33.6



#26

2,2-Dichloropropane

Concen: 18.693 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006637.D

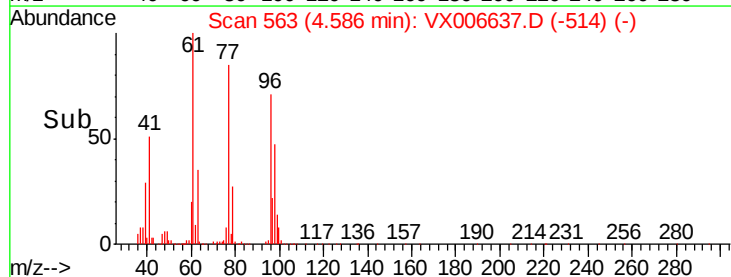
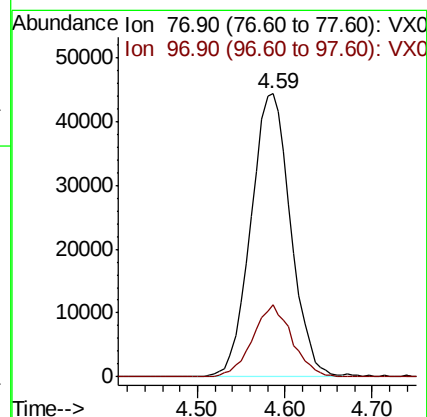
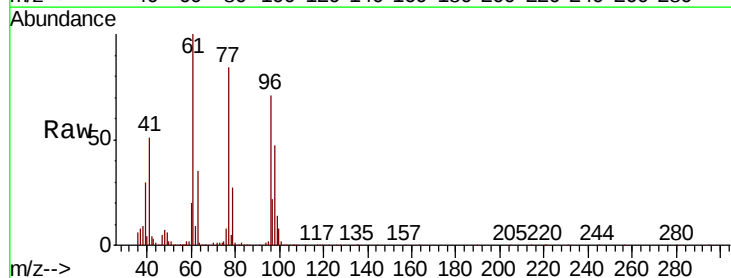
Acq: 19 Dec 2018 15:24

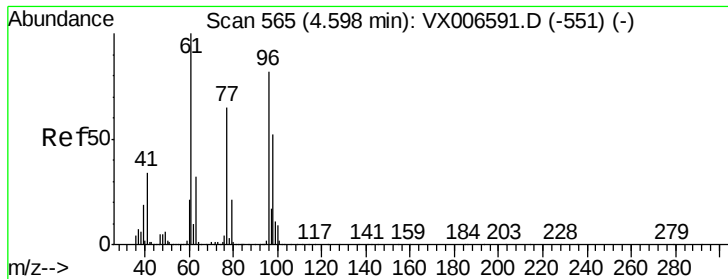
Tgt Ion: 77 Resp: 140269

Ion Ratio Lower Upper

77 100

97 25.2 12.4 37.4



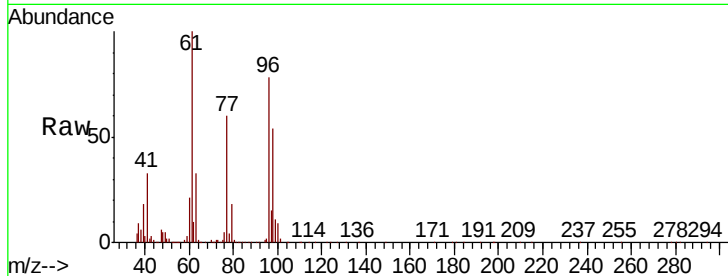


#27

cis-1,2-Dichloroethene
Concen: 19.830 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	258.6
98	65.9	0.0	132.0

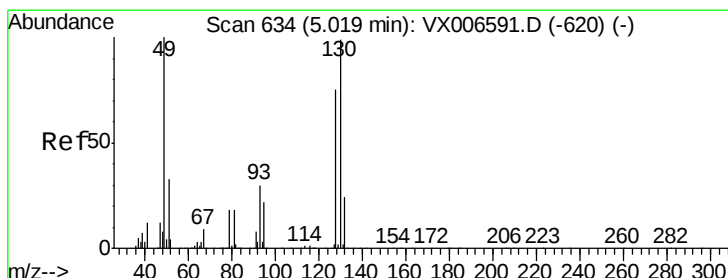
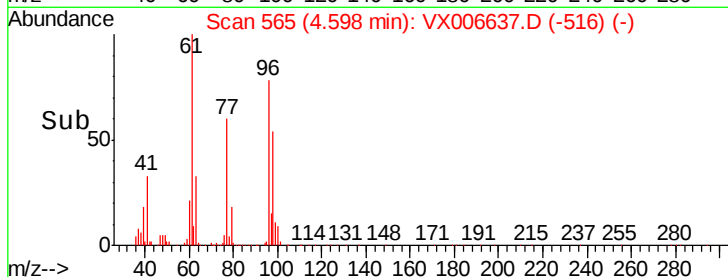
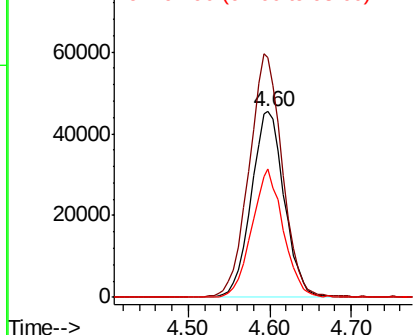


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

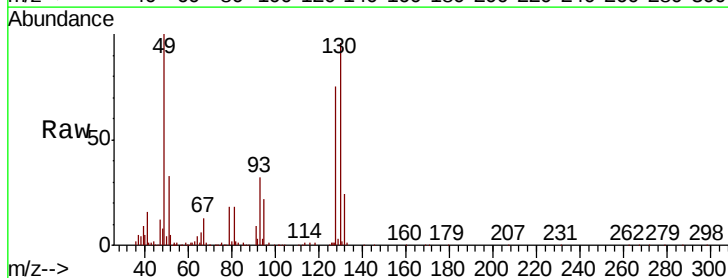
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 20.116 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.4
130	95.0	77.7	116.5

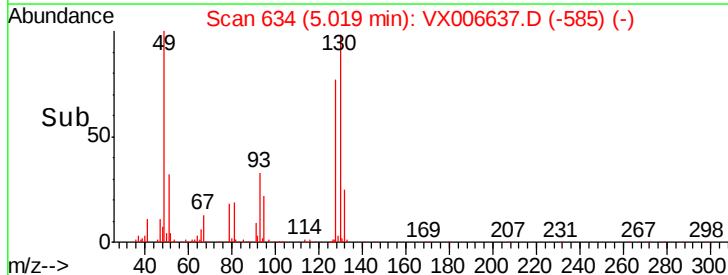
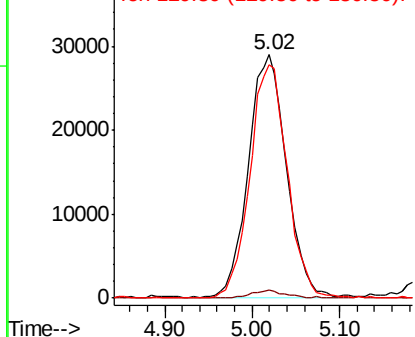


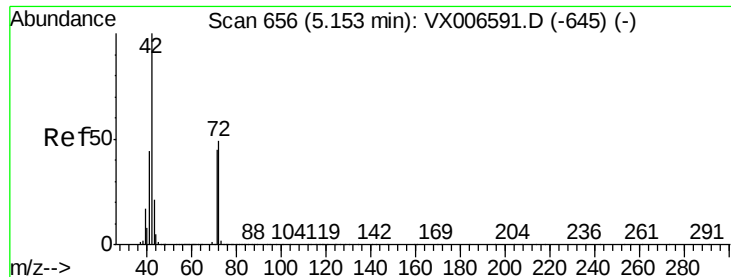
Abundance

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

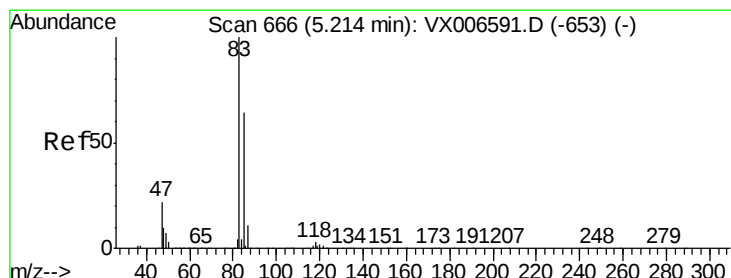
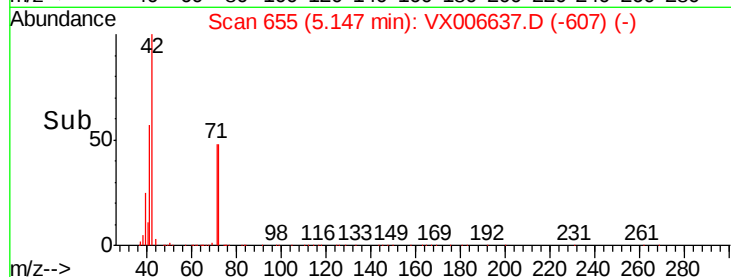
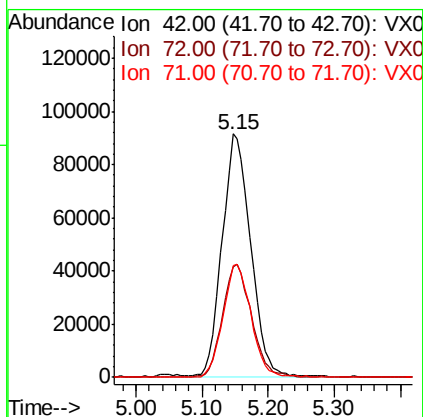
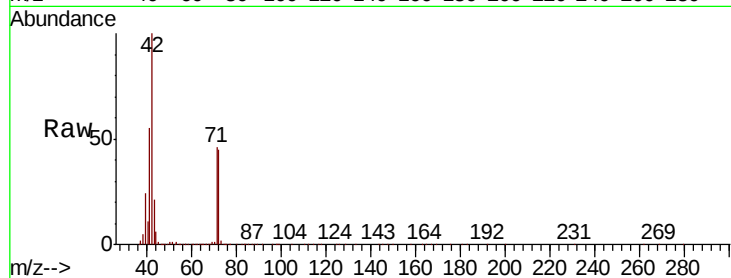




#29
Tetrahydrofuran
Concen: 100.778 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

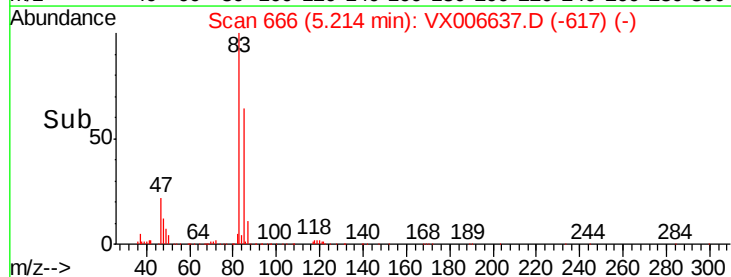
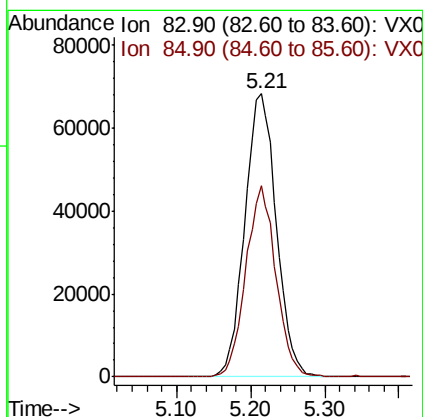
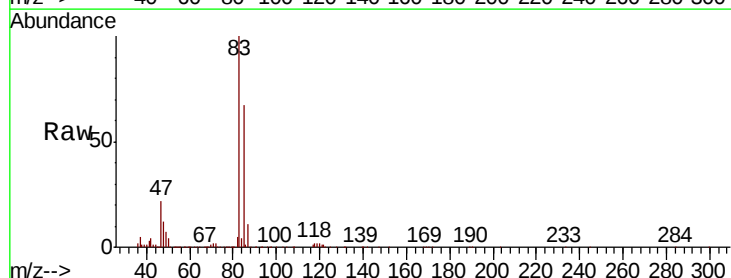
Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

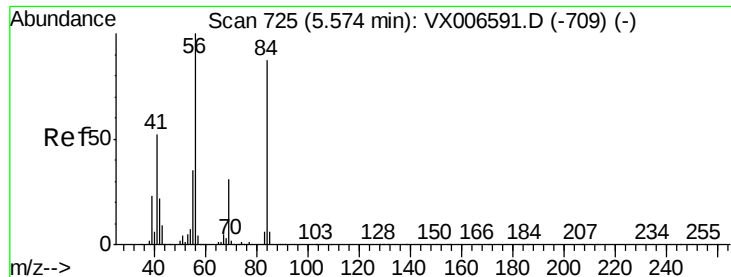
Tot Ion: 42 Resp: 273425
Ion Ratio Lower Upper
42 100
72 47.0 38.9 58.3
71 45.7 36.2 54.4



#30
Chloroform
Concen: 20.202 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion: 83 Resp: 203217
Ion Ratio Lower Upper
83 100
85 67.2 51.2 76.8

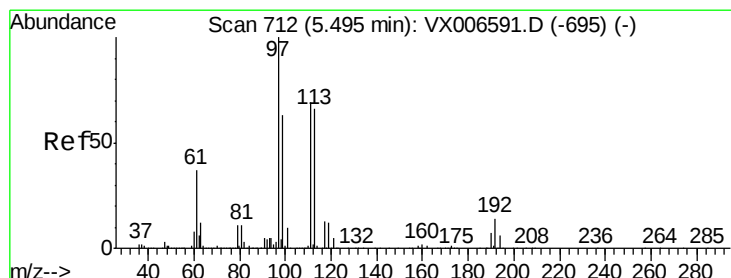
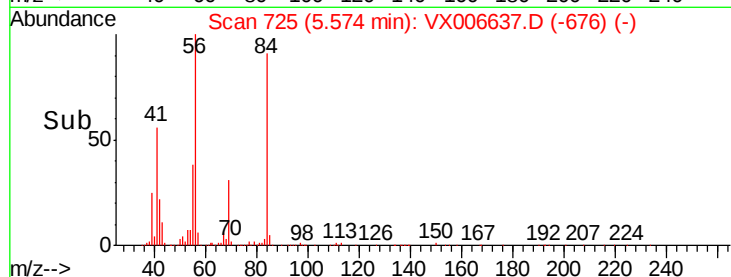
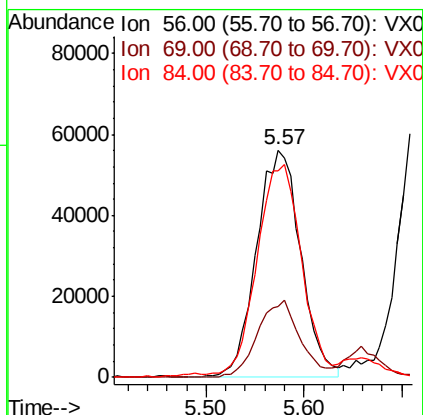
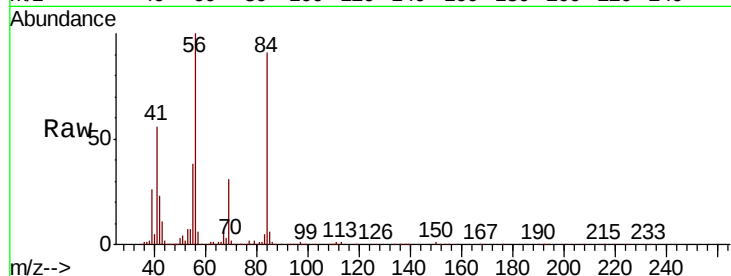




#31
Cvclohexane
Concen: 19.988 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

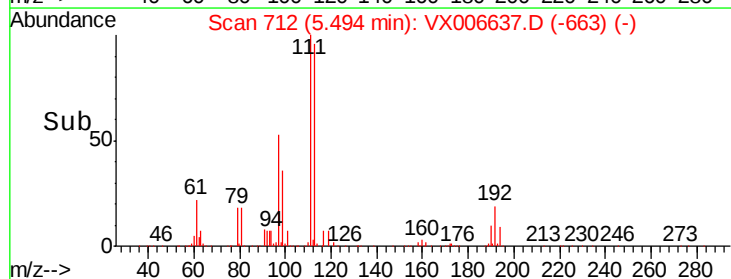
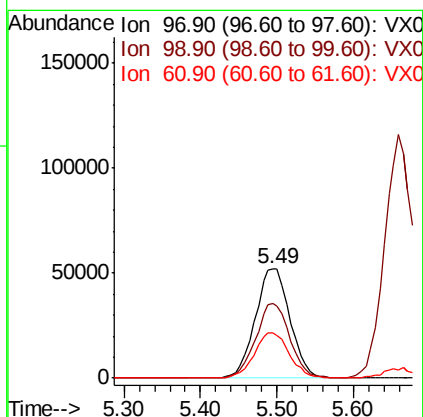
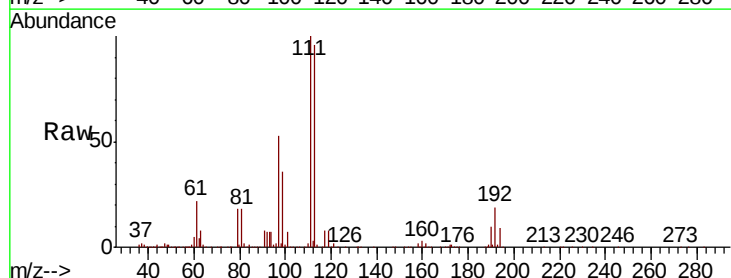
Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

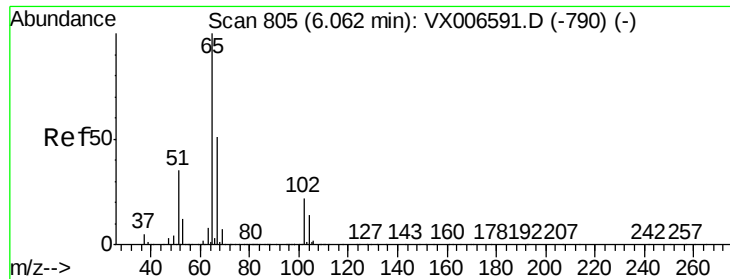
Tot Ion: 56 Resp: 176394
Ion Ratio Lower Upper
56 100
69 30.7 24.4 36.6
84 89.2 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 19.471 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion: 97 Resp: 165387
Ion Ratio Lower Upper
97 100
99 67.0 51.7 77.5
61 41.6 31.3 46.9

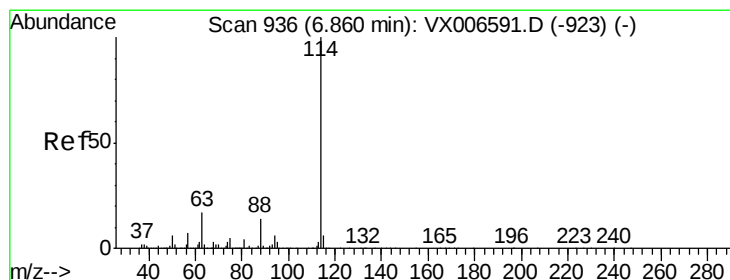
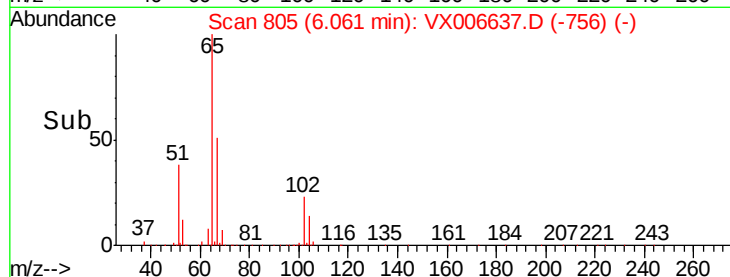
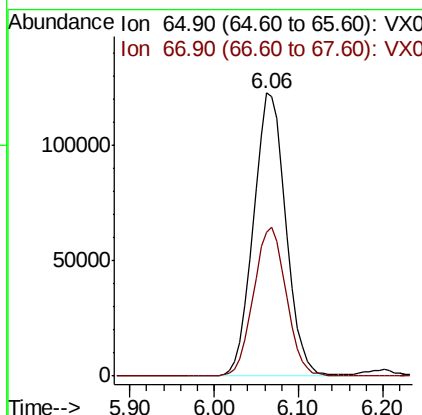
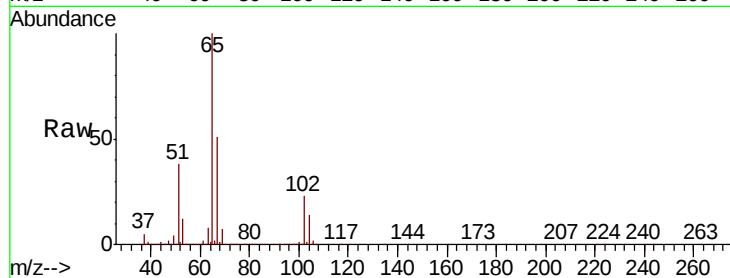




#33
 1,2-Dichloroethane-d4
 Concen: 50.523 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

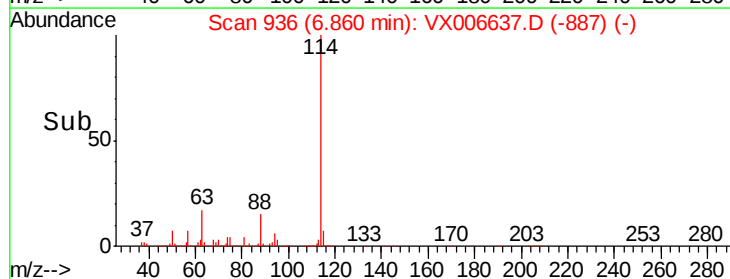
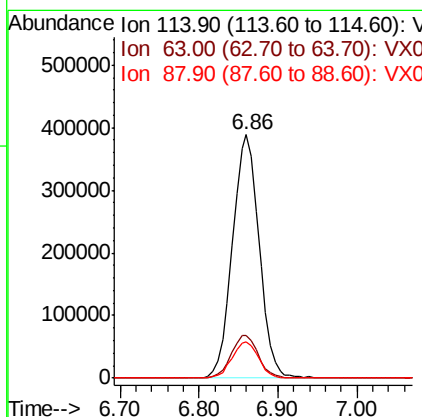
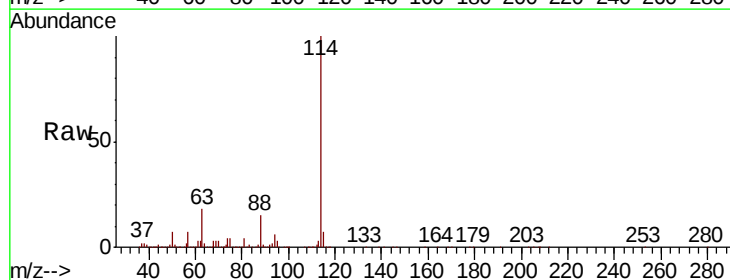
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

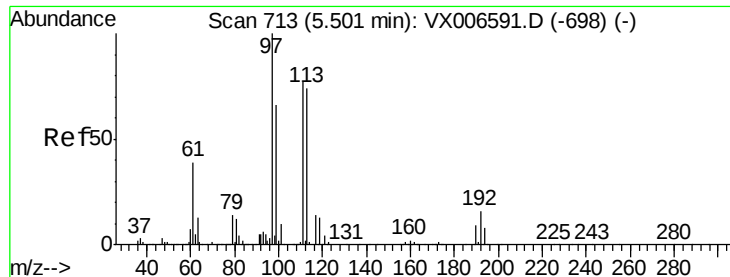
Tot Ion: 65 Resp: 322048
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

Tgt Ion: 114 Resp: 914082
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 34.8
 88 15.2 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.929 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampled :

VX1219WBS01

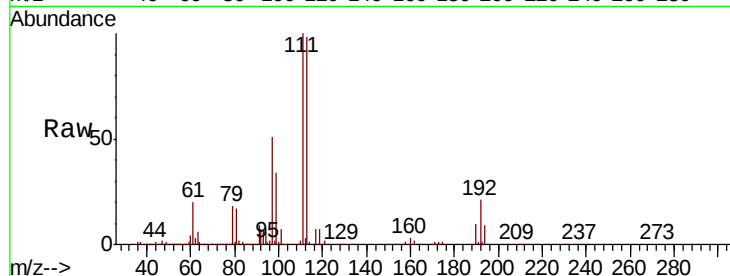
Tot Ion:113 Resp: 282834

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

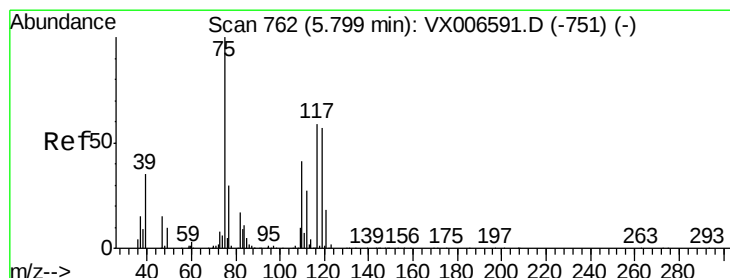
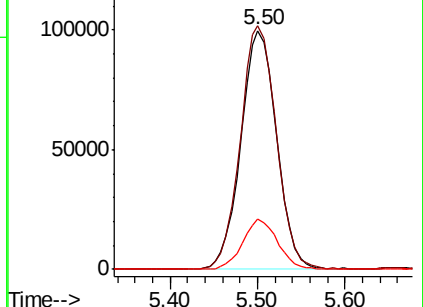
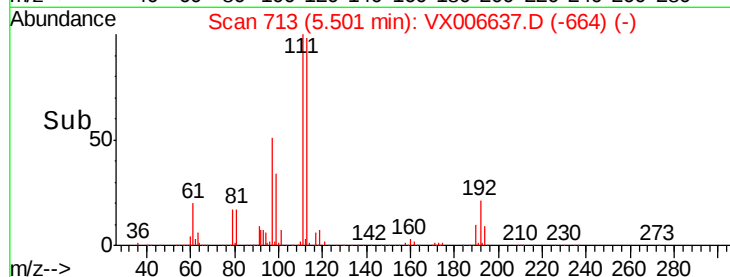
192 20.4 16.7 25.1



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: 19.996 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

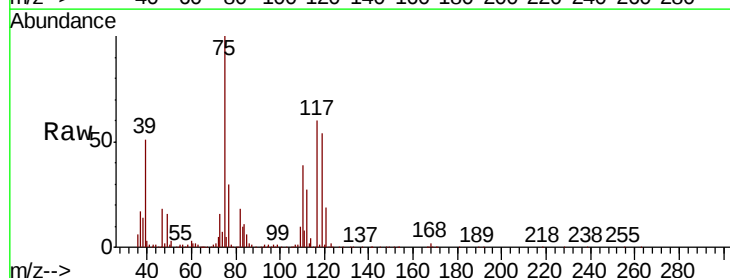
Tgt Ion: 75 Resp: 151387

Ion Ratio Lower Upper

75 100

110 40.4 20.2 60.5

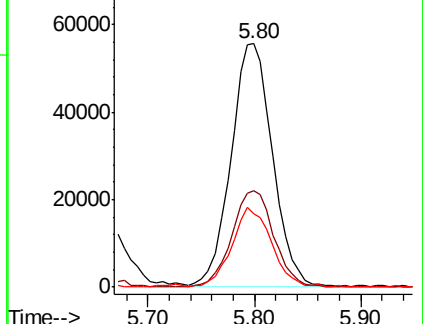
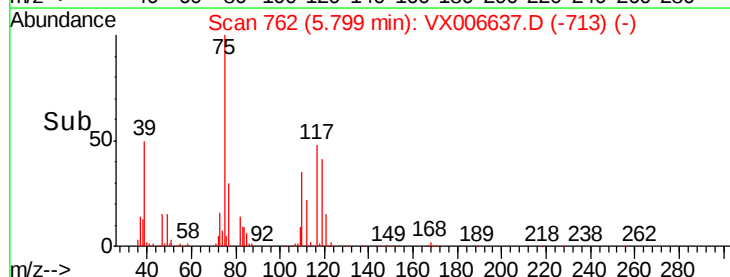
77 31.0 24.8 37.2

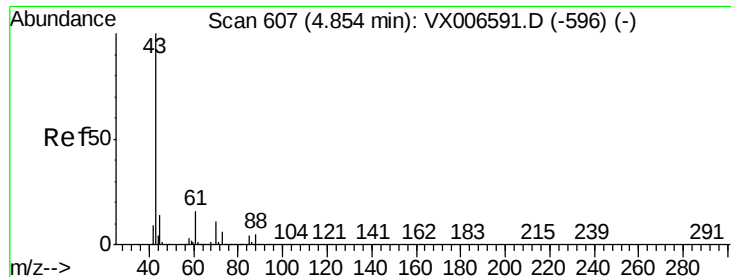


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

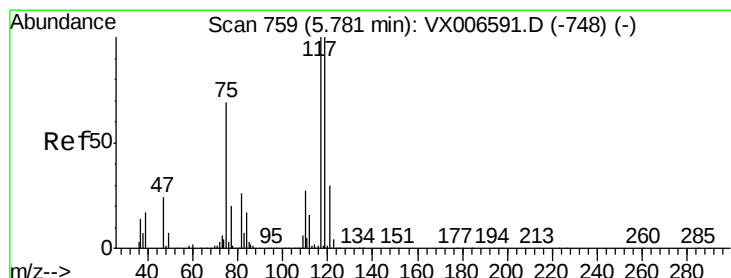
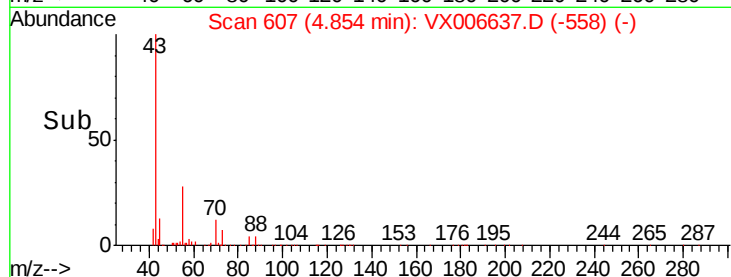
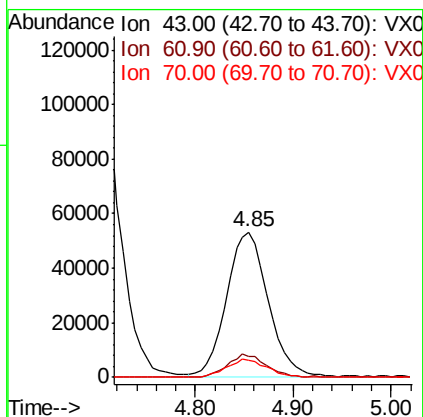
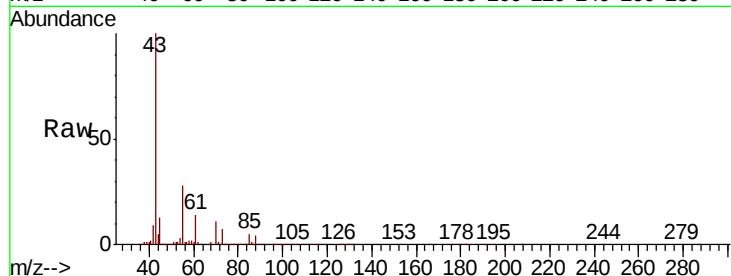




#37
Ethyl Acetate
Concen: 19.733 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

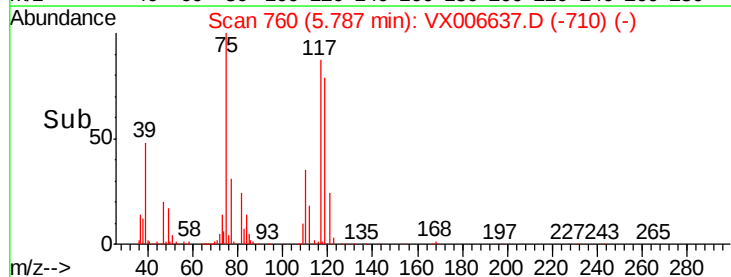
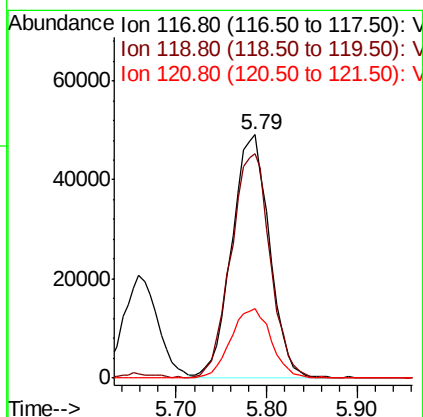
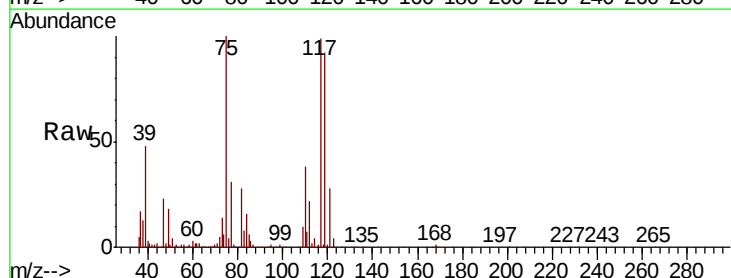
Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

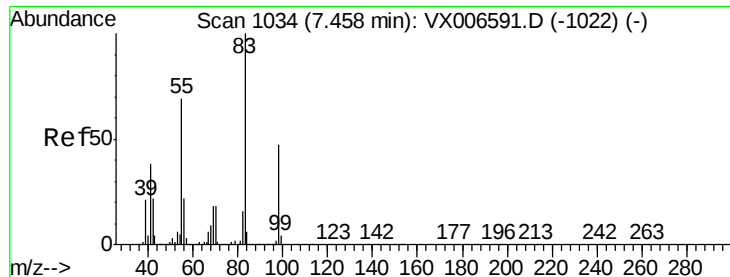
Tot Ion: 43 Resp: 155492
Ion Ratio Lower Upper
43 100
61 15.2 11.9 17.9
70 12.2 9.7 14.5



#38
Carbon Tetrachloride
Concen: 19.255 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion: 117 Resp: 141673
Ion Ratio Lower Upper
117 100
119 92.2 79.4 119.2
121 28.5 24.0 36.0

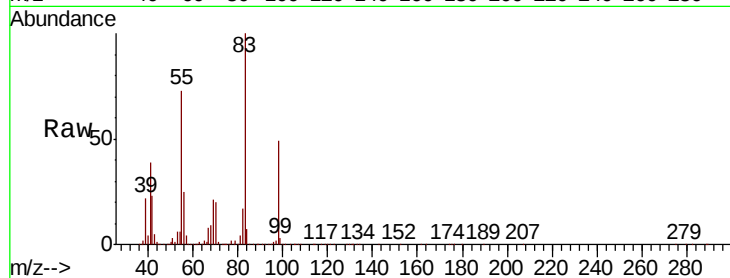




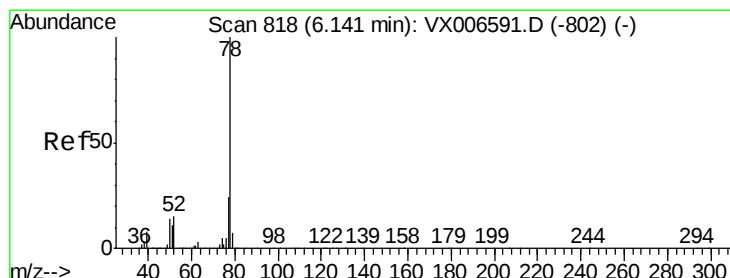
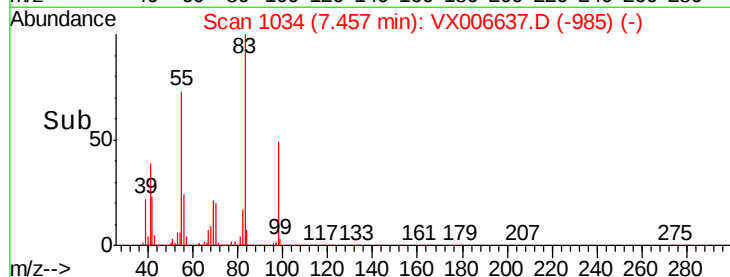
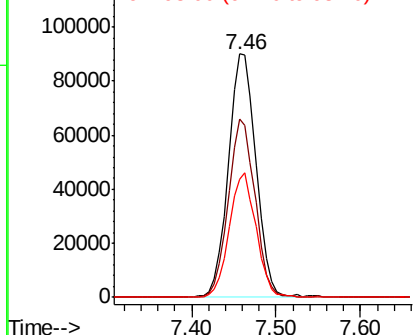
#39
Methvlcvclohexane
Concen: 20.165 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	54.9	82.3
98	48.6	37.9	56.9

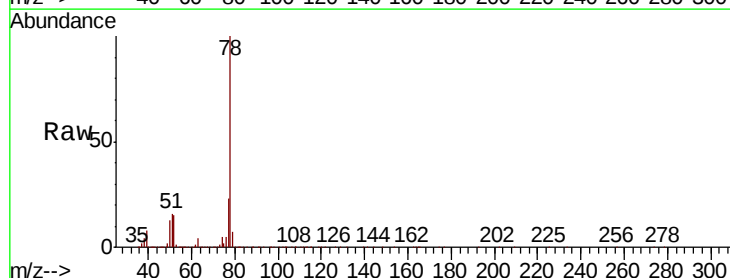


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

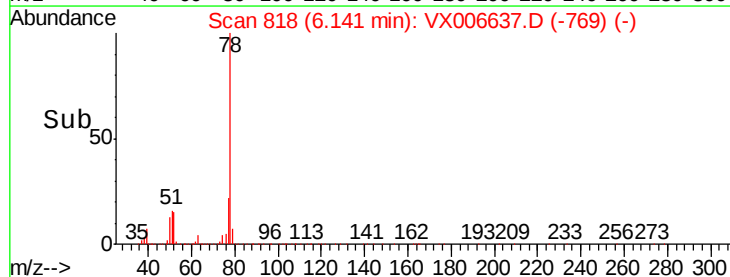
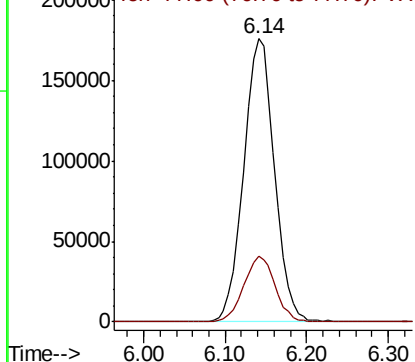


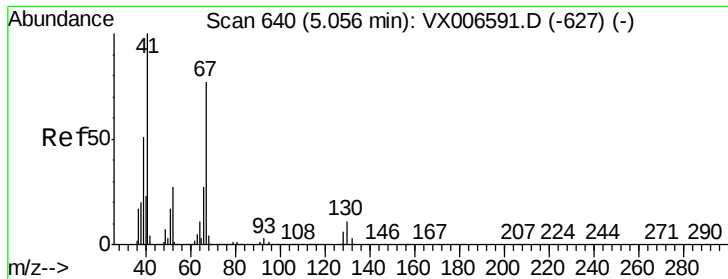
#40
Benzene
Concen: 20.131 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8



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





#41

Methacrylonitrile

Concen: 20.596 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 41 Resp: 86164

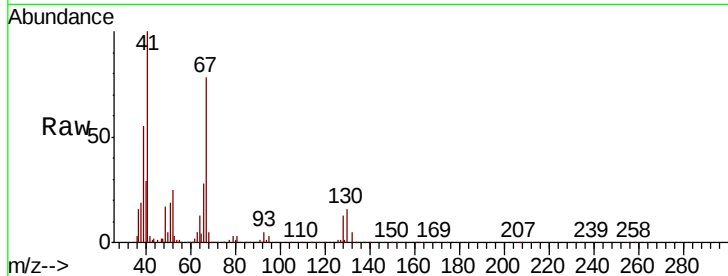
Ion Ratio Lower Upper

41 100

39 55.1 42.8 64.2

67 79.8 62.1 93.1

52 29.2 23.4 35.0

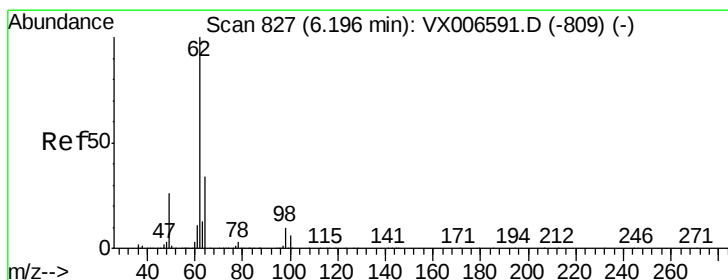
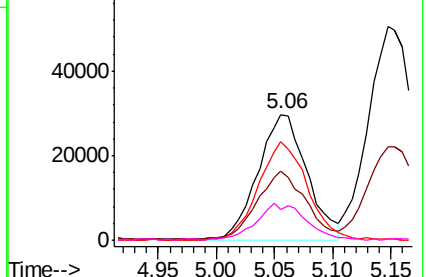
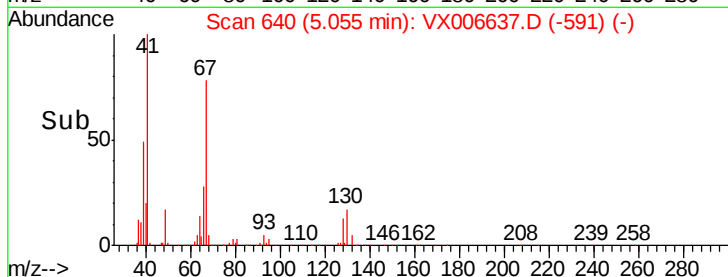


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 19.741 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX006637.D

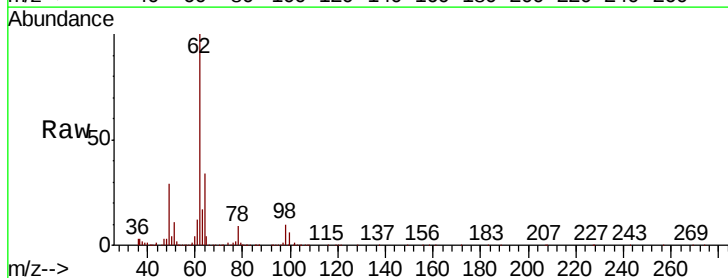
Acq: 19 Dec 2018 15:24

Tgt Ion: 62 Resp: 154801

Ion Ratio Lower Upper

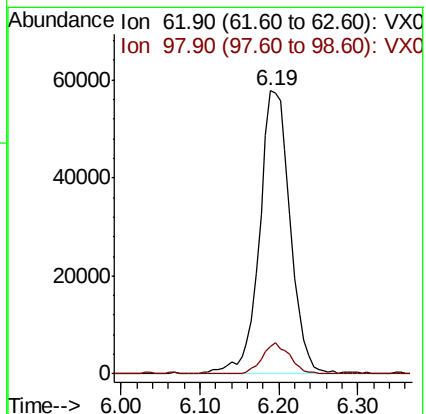
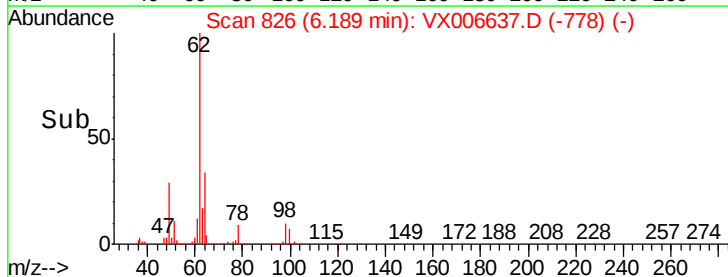
62 100

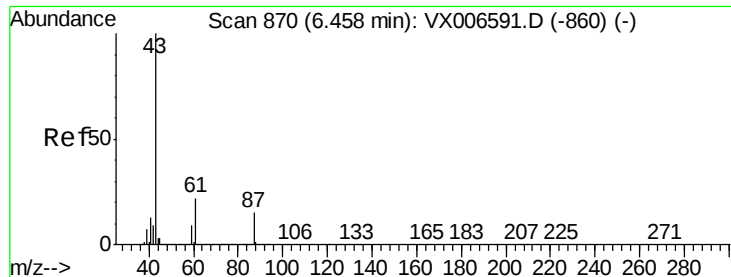
98 10.0 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.632 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

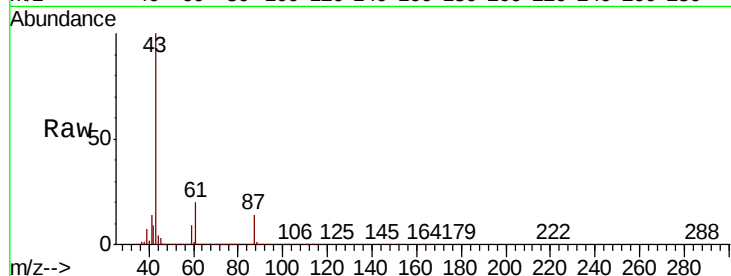
Tot Ion: 43 Resp: 235371

Ion Ratio Lower Upper

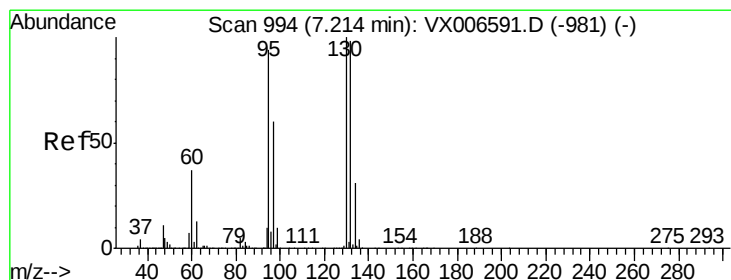
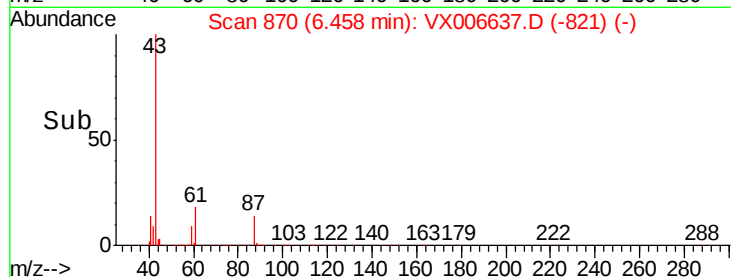
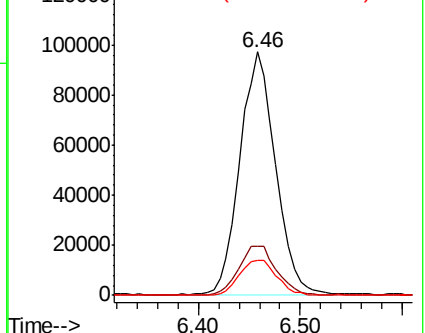
43 100

61 21.5 16.8 25.2

87 15.3 12.4 18.6



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: 19.458 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006637.D

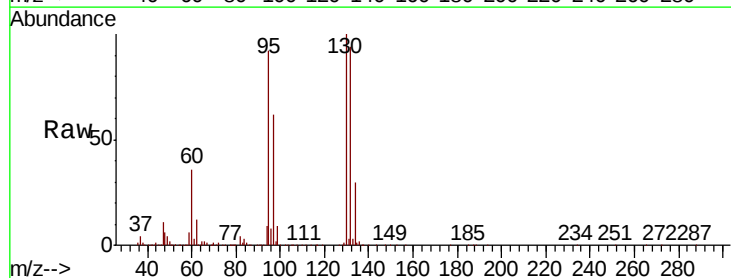
Acq: 19 Dec 2018 15:24

Tgt Ion:130 Resp: 135526

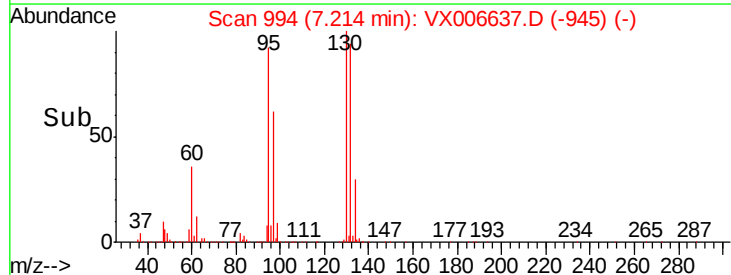
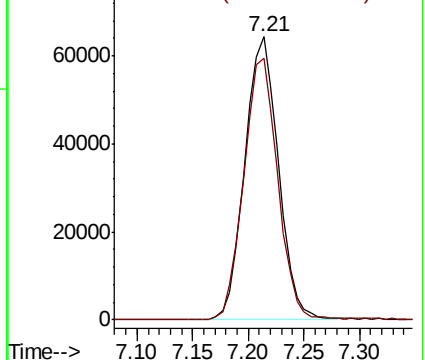
Ion Ratio Lower Upper

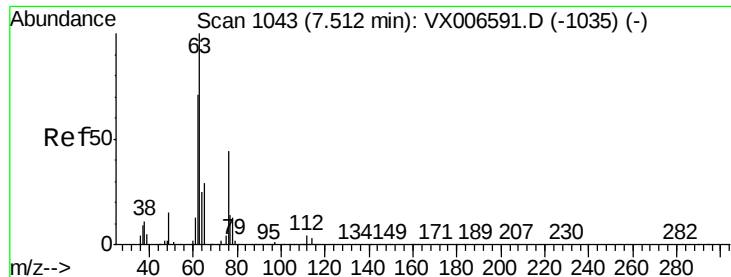
130 100

95 92.2 0.0 187.0



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

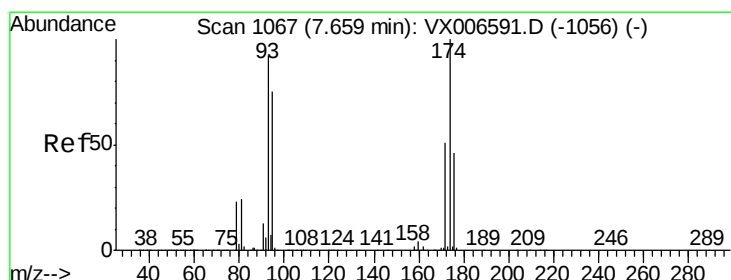
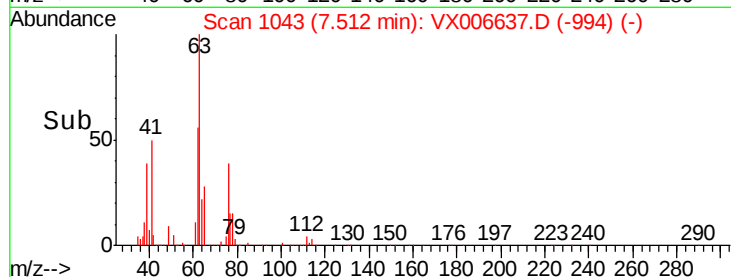
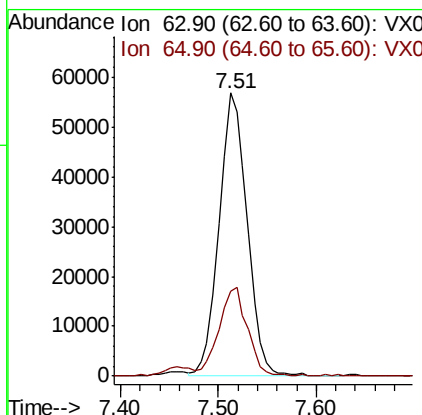
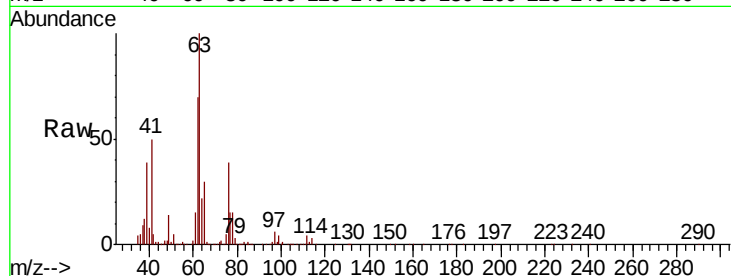




#45
 1,2-Dichloropropane
 Concen: 20.114 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

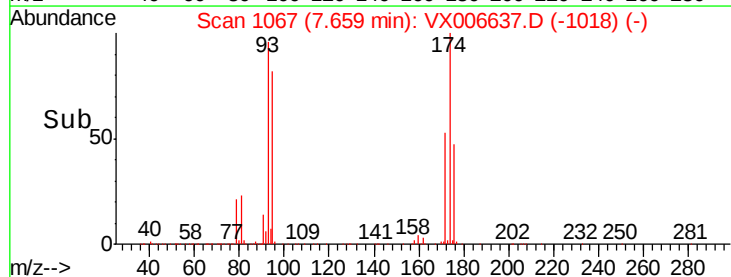
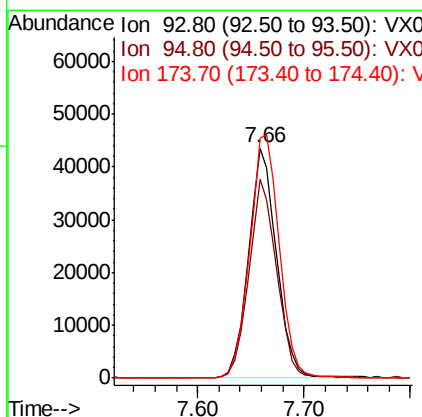
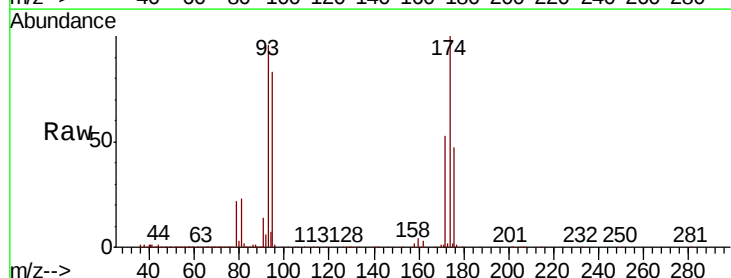
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

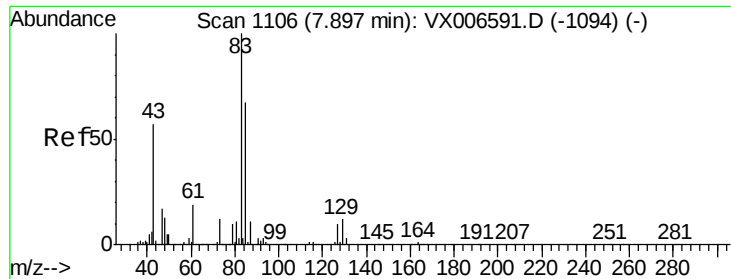
Tot Ion: 63 Resp: 112638
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.4 38.0



#46
 Dibromomethane
 Concen: 19.584 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

Tgt Ion: 93 Resp: 80668
 Ion Ratio Lower Upper
 93 100
 95 85.5 66.2 99.4
 174 111.5 91.0 136.4





#47

Bromodichloromethane

Concen: 19.330 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

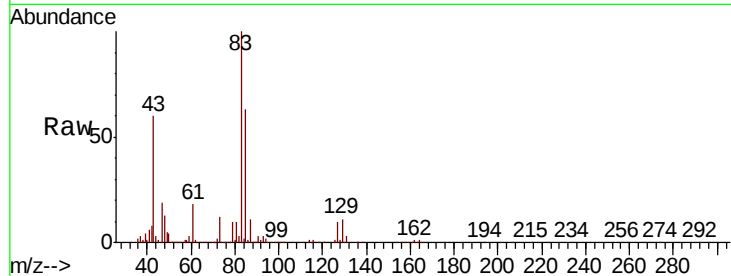
Tot Ion: 83 Resp: 132189

Ion Ratio Lower Upper

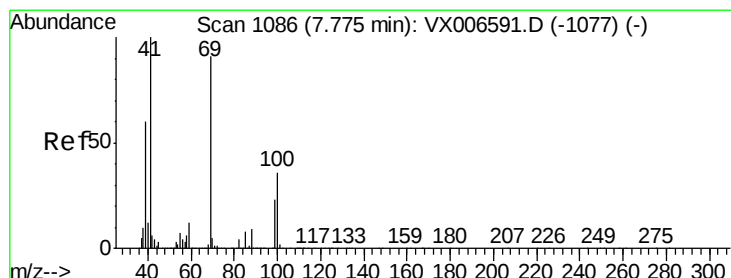
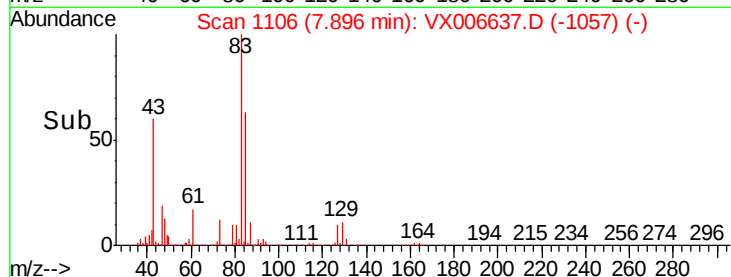
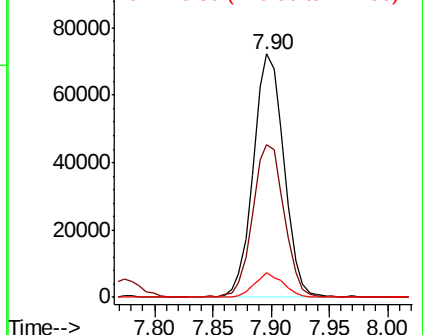
83 100

85 62.3 53.2 79.8

127 10.1 7.8 11.6



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



#48

Methyl methacrylate

Concen: 20.466 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

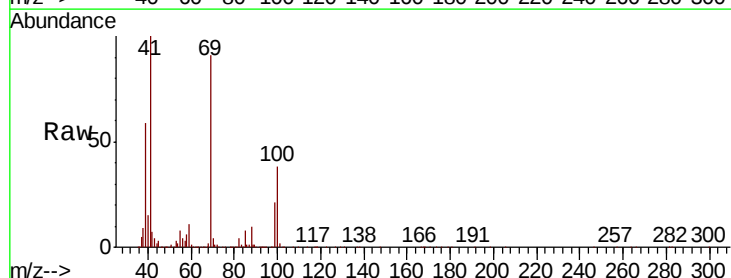
Tgt Ion: 41 Resp: 124778

Ion Ratio Lower Upper

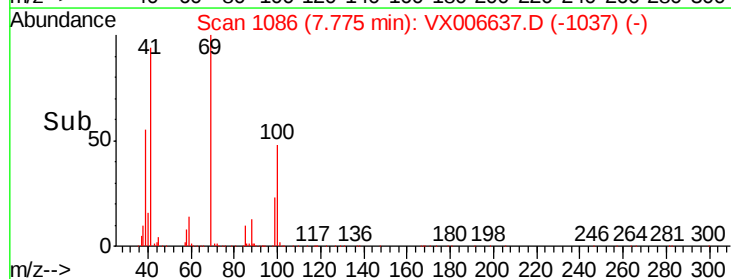
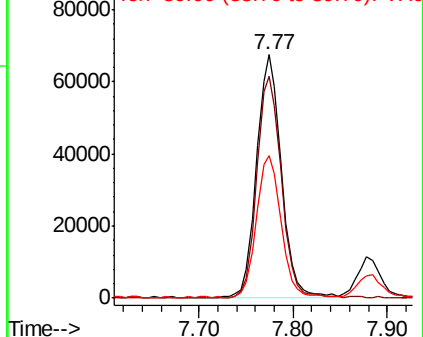
41 100

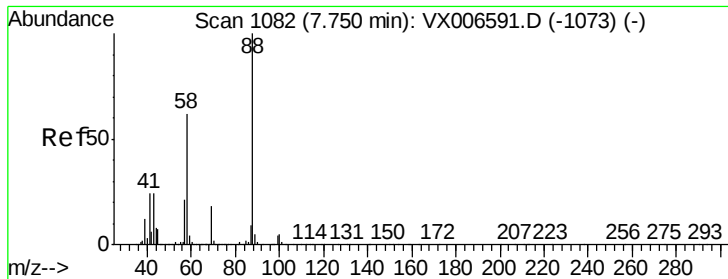
69 91.3 72.4 108.6

39 57.9 45.8 68.8



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





#49

1,4-Dioxane

Concen: 421.087 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

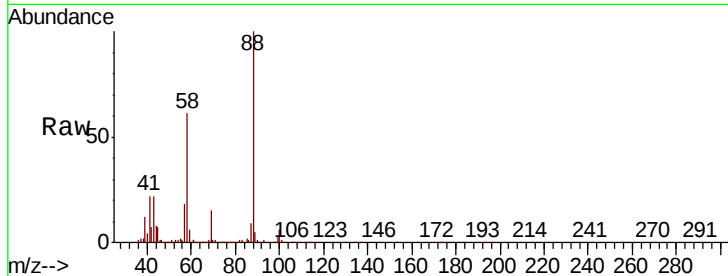
Tot Ion: 88 Resp: 69009

Ion Ratio Lower Upper

88 100

43 27.2 22.2 33.4

58 63.7 51.0 76.4

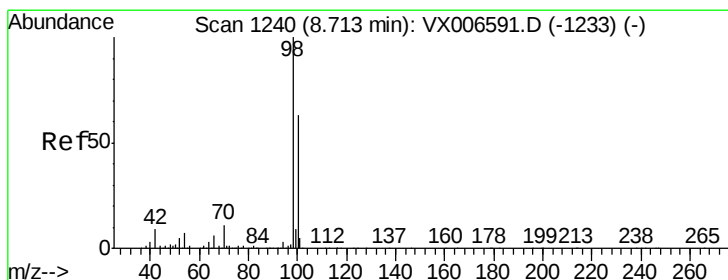
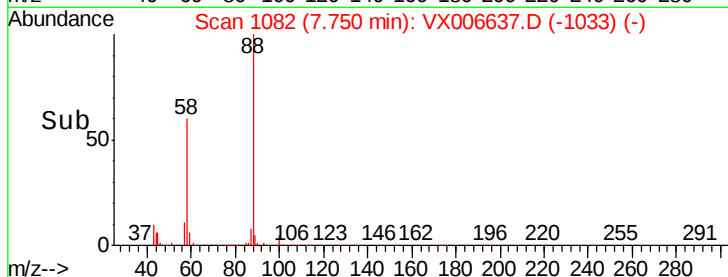
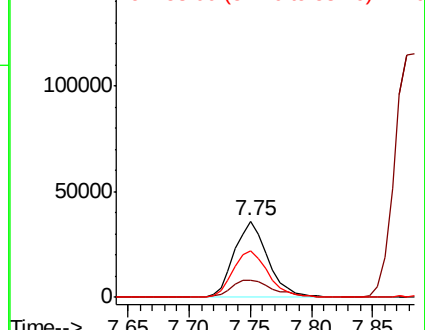


Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.459 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006637.D

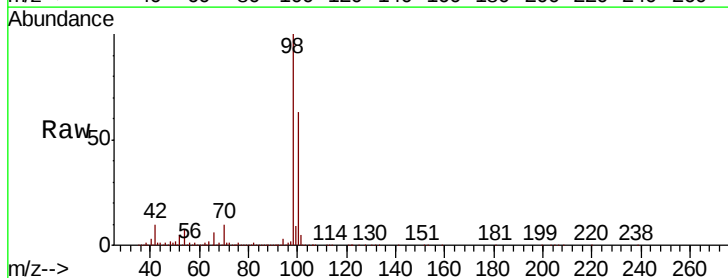
Acq: 19 Dec 2018 15:24

Tgt Ion: 98 Resp: 1099638

Ion Ratio Lower Upper

98 100

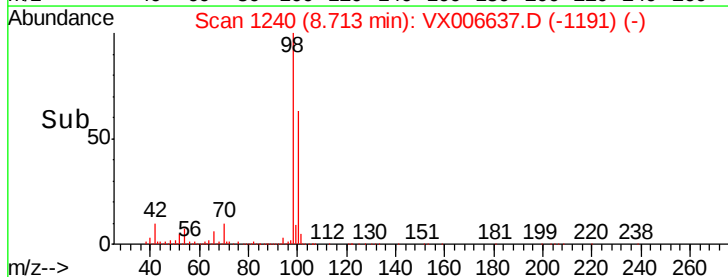
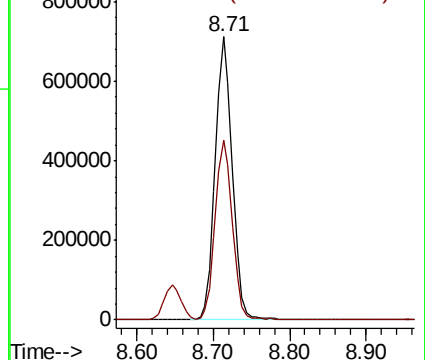
100 64.4 52.0 78.0

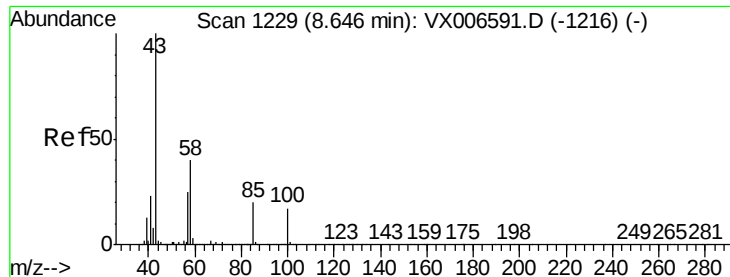


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 105.214 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

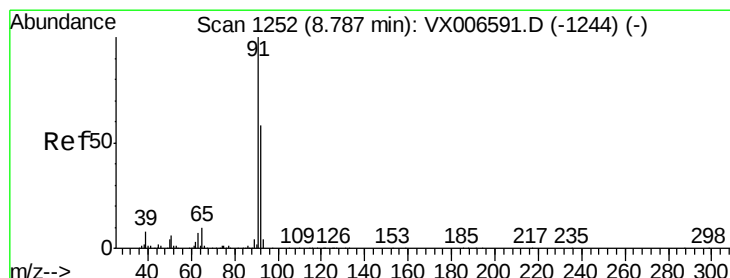
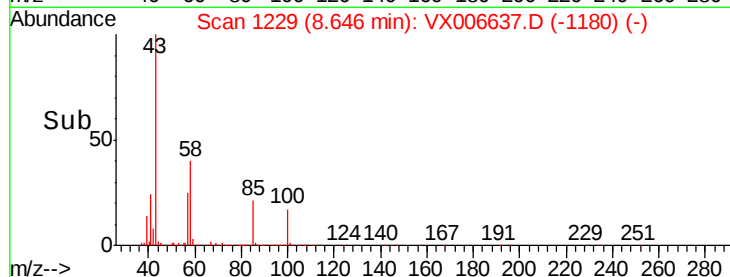
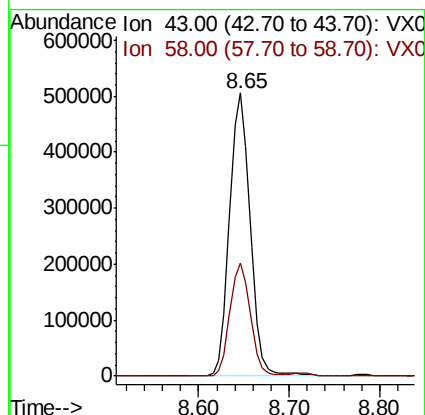
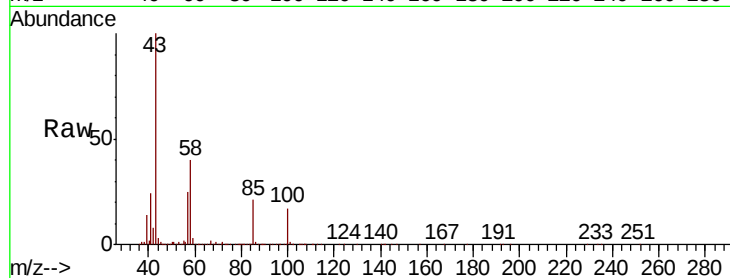
VX1219WBS01

Tot Ion: 43 Resp: 802619

Ion Ratio Lower Upper

43 100

58 39.2 31.8 47.6



#52

Toluene

Concen: 20.526 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006637.D

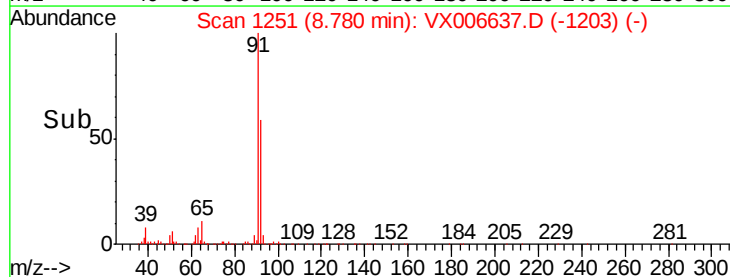
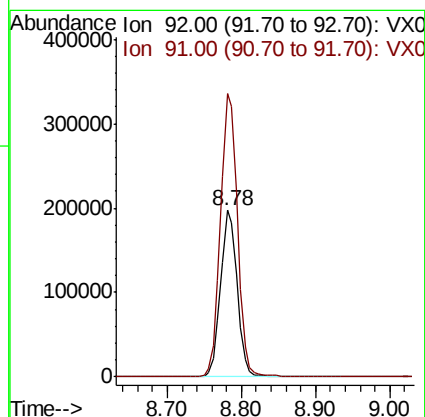
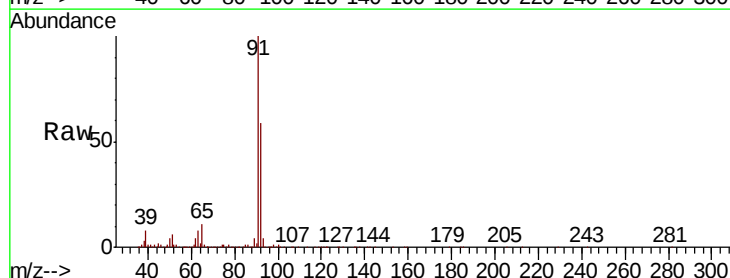
Acq: 19 Dec 2018 15:24

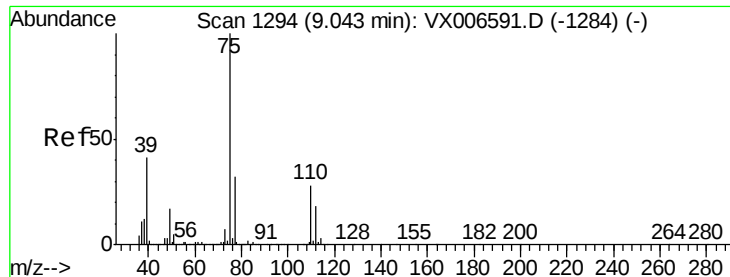
Tgt Ion: 92 Resp: 305155

Ion Ratio Lower Upper

92 100

91 173.0 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 18.596 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampled :

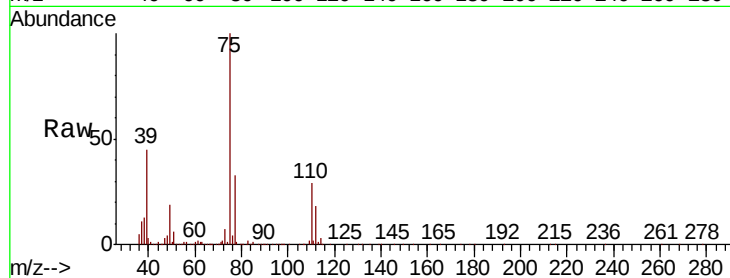
VX1219WBS01

Tot Ion: 75 Resp: 136394

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

100000

80000

60000

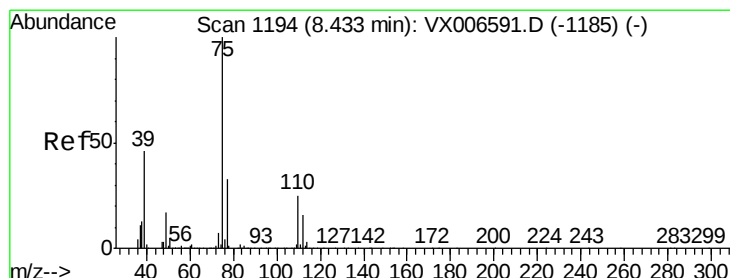
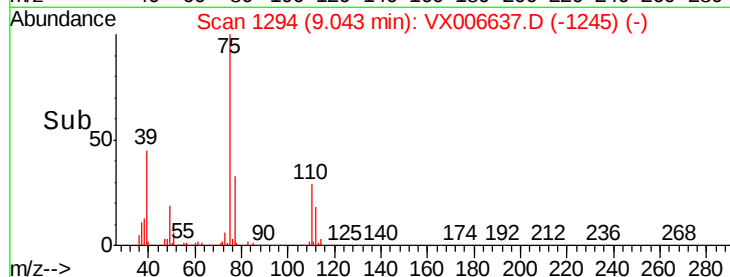
40000

20000

0

8.95 9.00 9.05 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.494 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

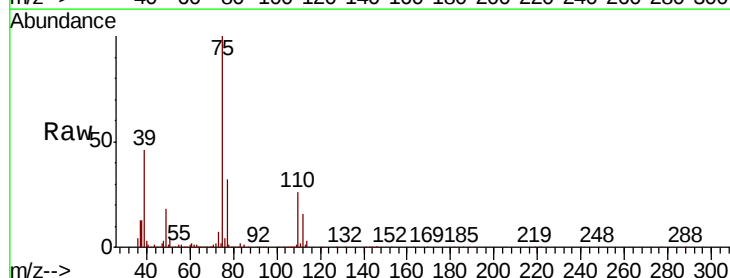
Tgt Ion: 75 Resp: 156882

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2

39 45.1 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

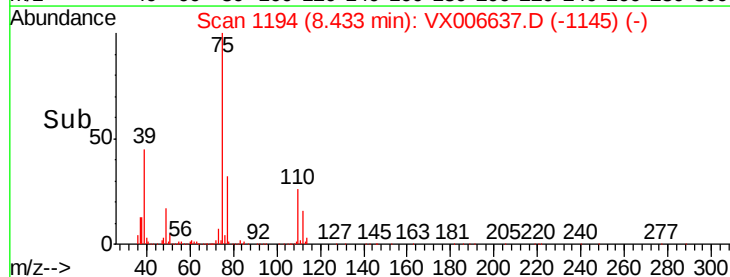
100000

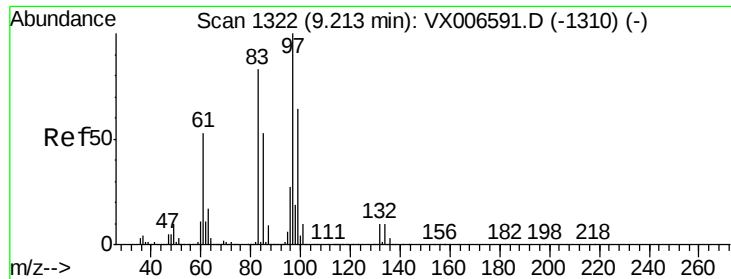
50000

0

8.40 8.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.462 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

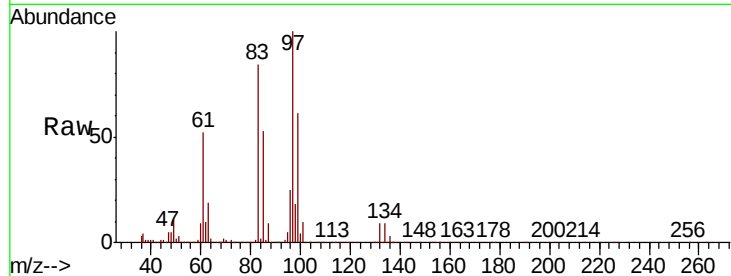
MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 97 Resp: 124519

Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.6	99.8
85	52.9	42.7	64.1
99	60.5	50.8	76.2



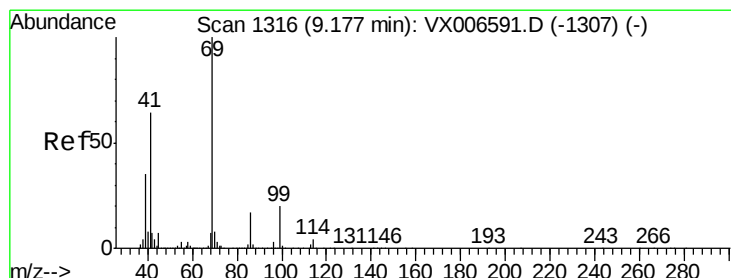
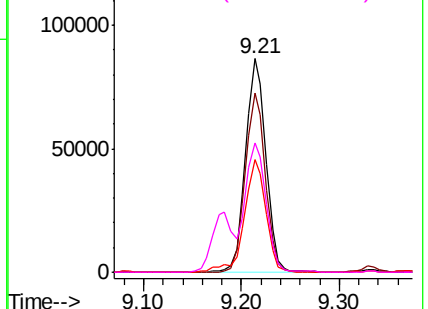
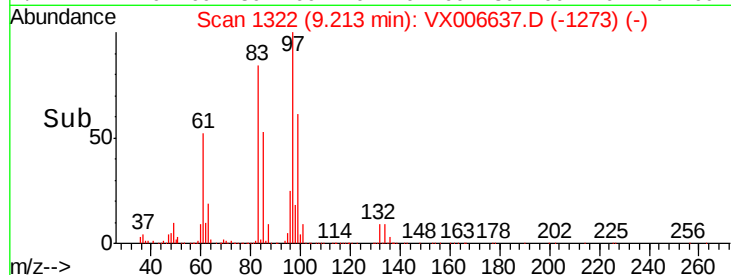
Abundance

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: 20.736 ug/l

RT: 9.18 min Scan# 1316

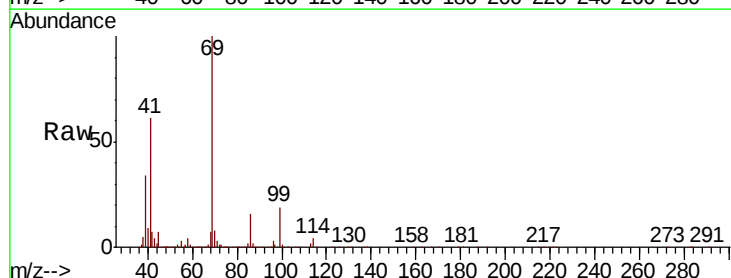
Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Tgt Ion: 69 Resp: 178346

Ion	Ratio	Lower	Upper
69	100		
41	59.6	48.7	73.1
39	34.0	27.0	40.6

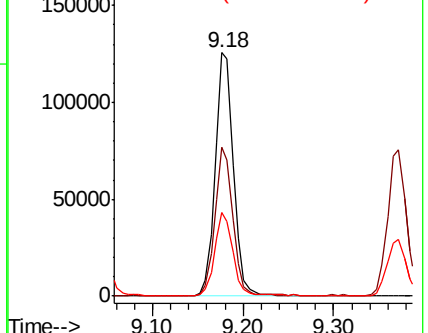
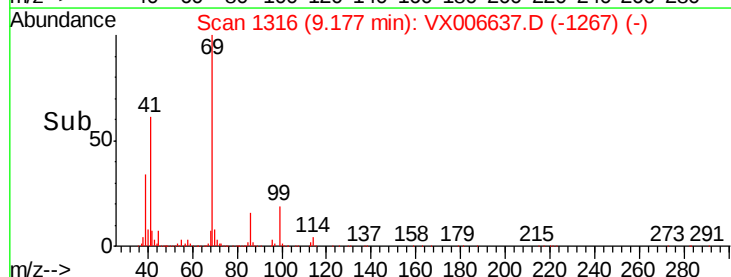


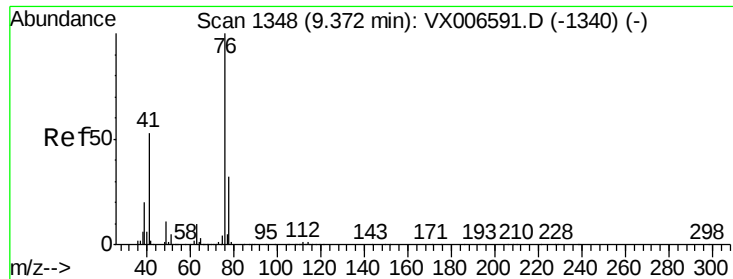
Abundance

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: 20.261 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

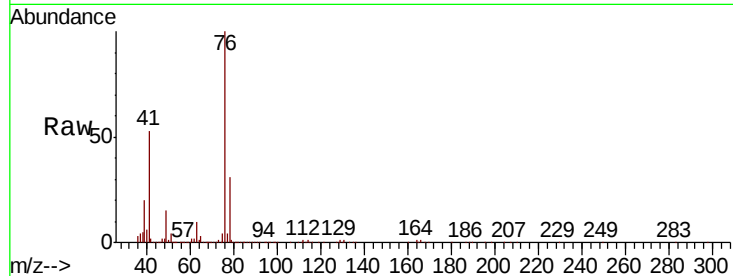
VX1219WBS01

Tot Ion: 76 Resp: 198366

Ion Ratio Lower Upper

76 100

78 32.5 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

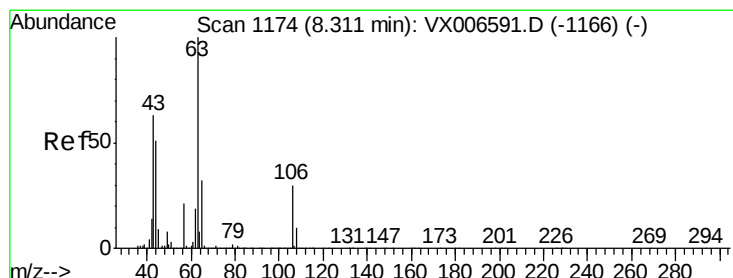
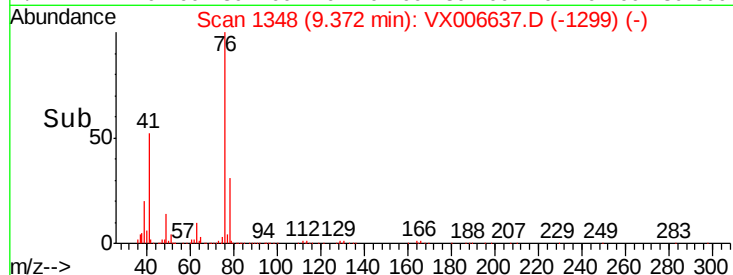
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.875 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006637.D

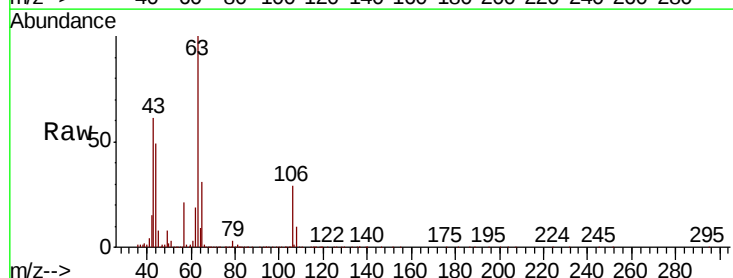
Acq: 19 Dec 2018 15:24

Tgt Ion: 63 Resp: 461194

Ion Ratio Lower Upper

63 100

106 30.6 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

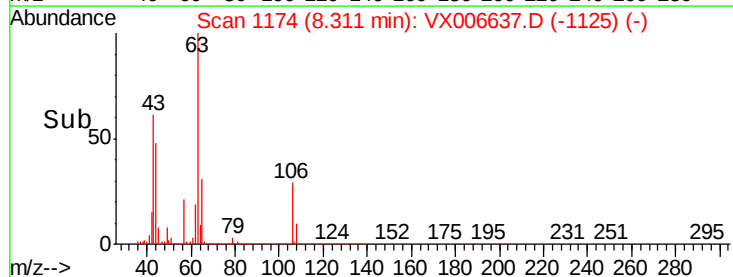
300000

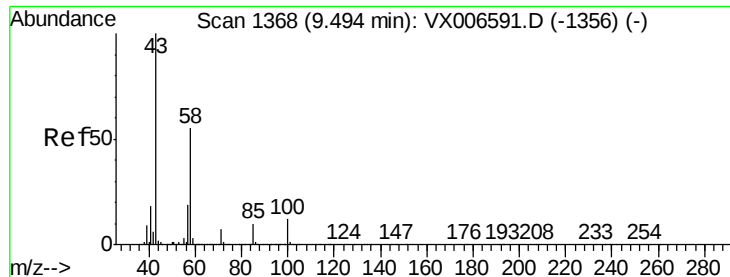
200000

100000

0

Time-->

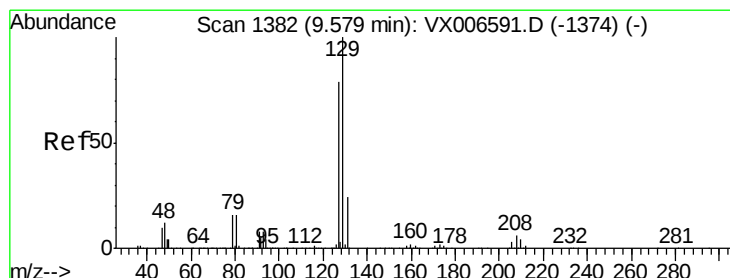
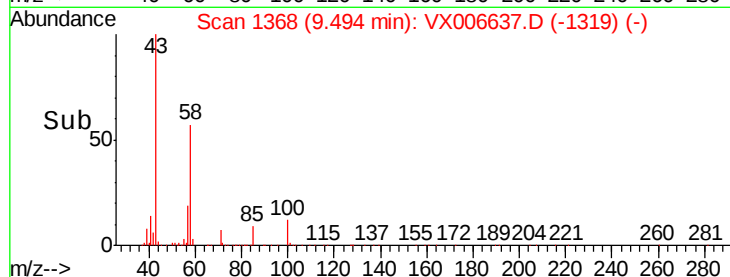
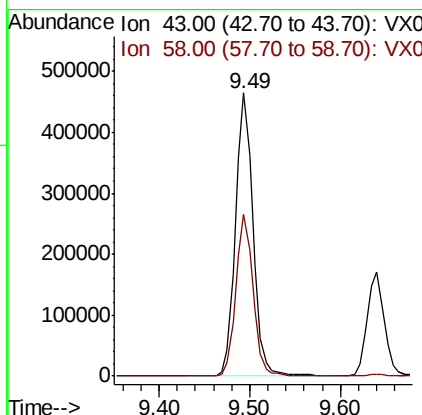
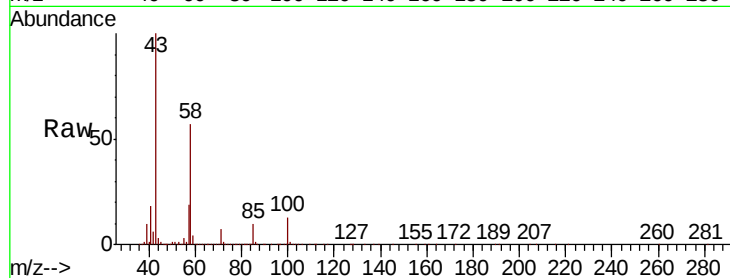




#59
2-Hexanone
Concen: 106.946 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

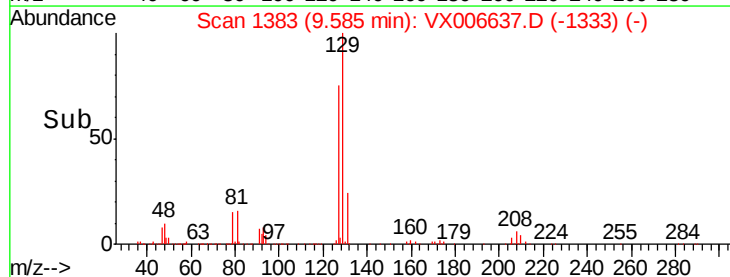
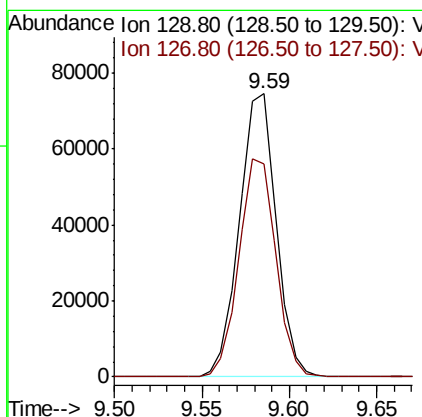
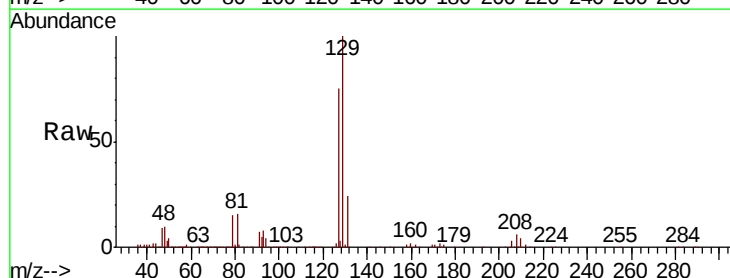
Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

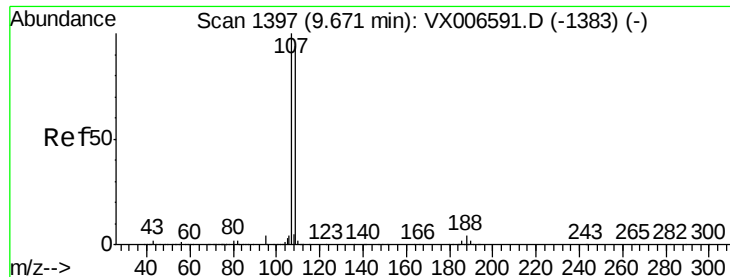
Tot Ion: 43 Resp: 624208
Ion Ratio Lower Upper
43 100
58 56.4 27.7 83.1



#60
Dibromochloromethane
Concen: 18.712 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion:129 Resp: 109385
Ion Ratio Lower Upper
129 100
127 77.5 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.246 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

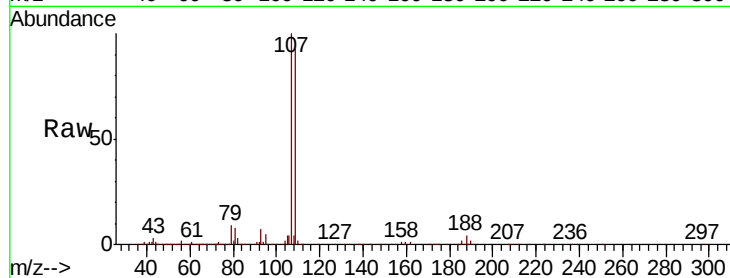
VX1219WBS01

Tot Ion: 107 Resp: 130969

Ion Ratio Lower Upper

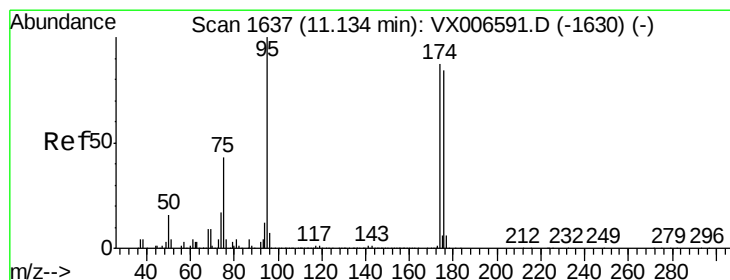
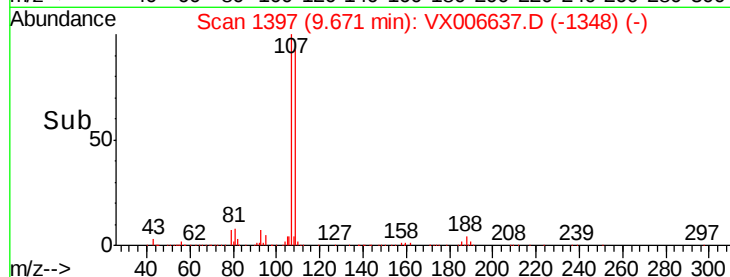
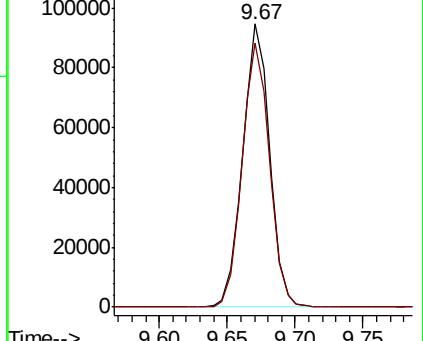
107 100

109 94.8 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.002 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

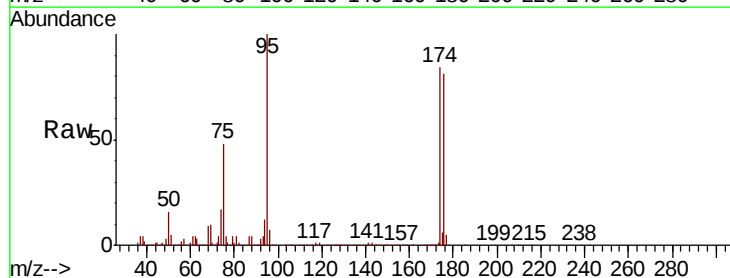
Tgt Ion: 95 Resp: 407068

Ion Ratio Lower Upper

95 100

174 88.8 0.0 182.2

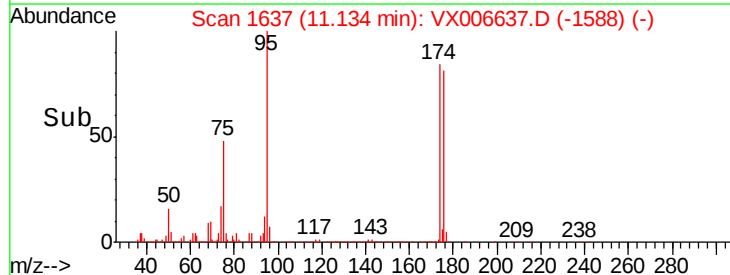
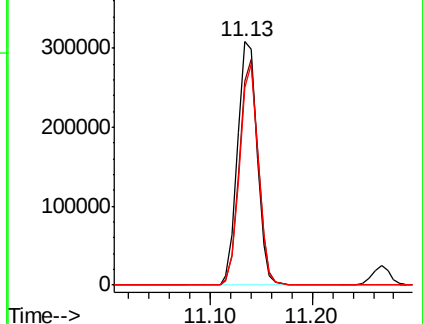
176 86.4 0.0 178.8

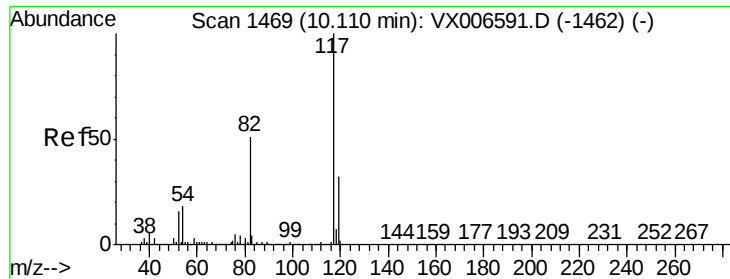


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

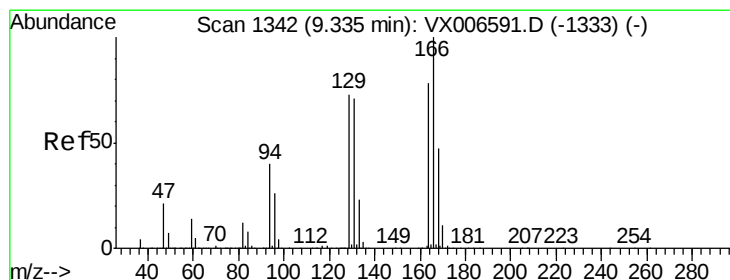
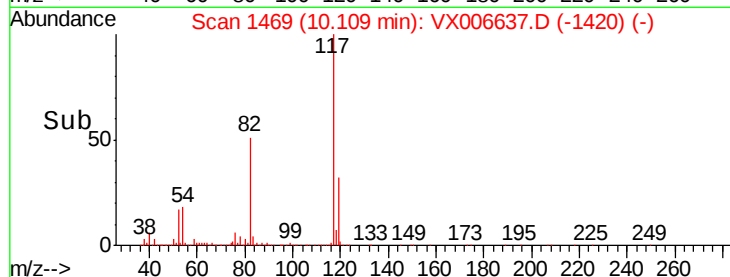
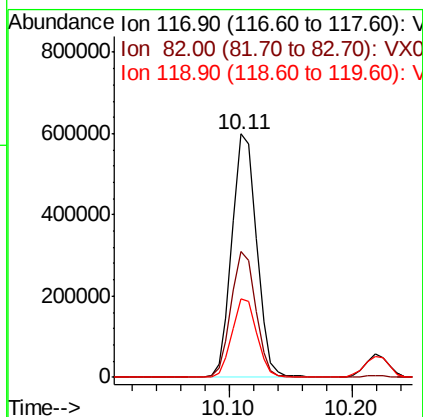
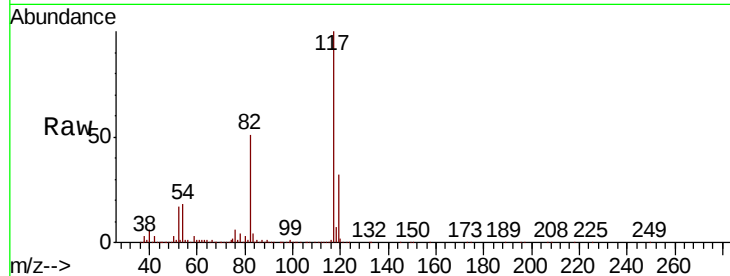




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

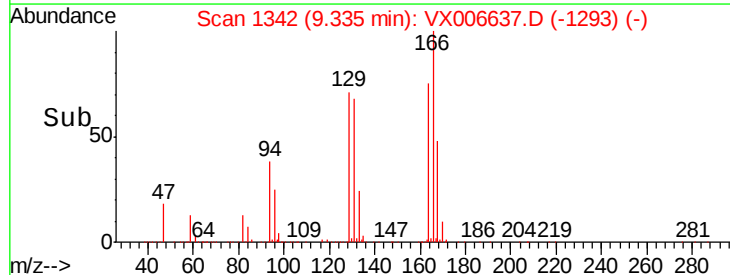
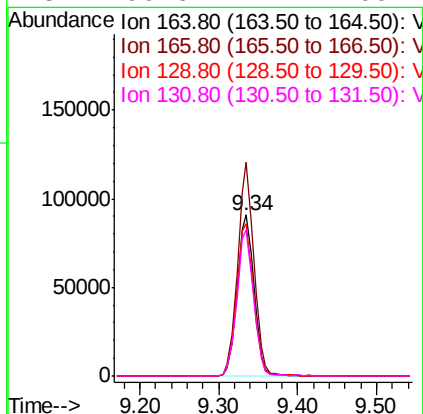
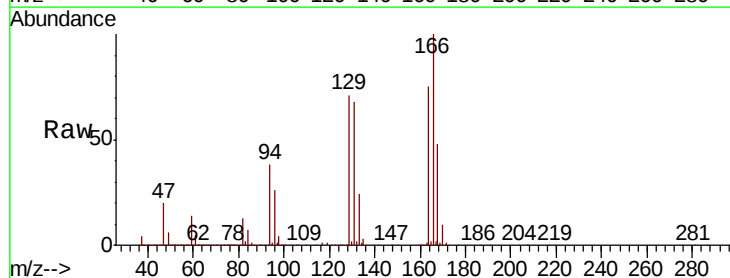
Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

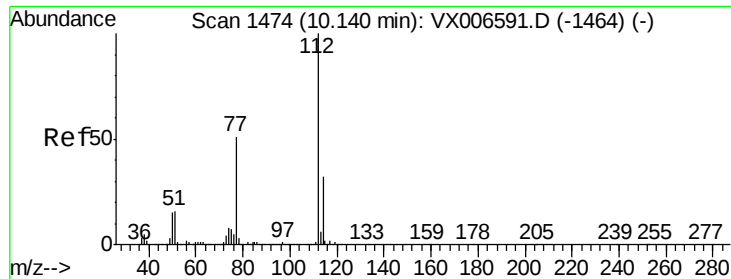
Tot Ion:117 Resp: 836428
Ion Ratio Lower Upper
117 100
82 51.5 41.0 61.6
119 32.1 25.4 38.0



#64
Tetrachloroethene
Concen: 20.421 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion:164 Resp: 135256
Ion Ratio Lower Upper
164 100
166 132.7 102.5 153.7
129 94.5 75.1 112.7
131 90.6 72.7 109.1





#65

Chlorobenzene

Concen: 20.202 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

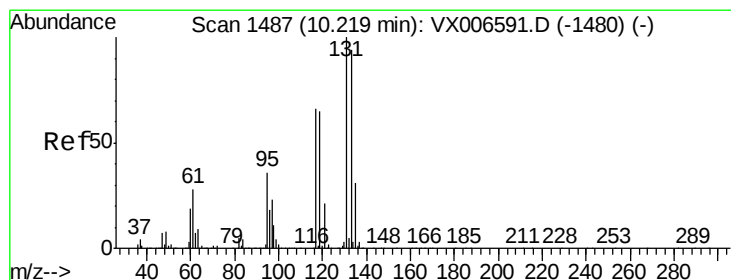
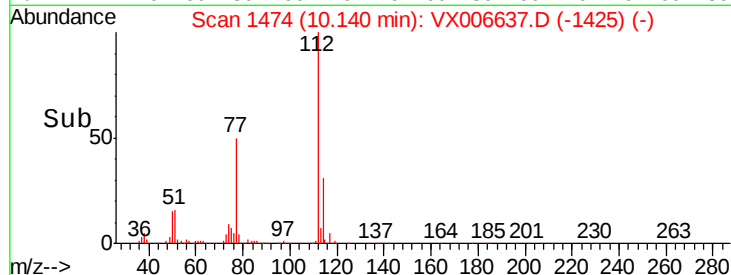
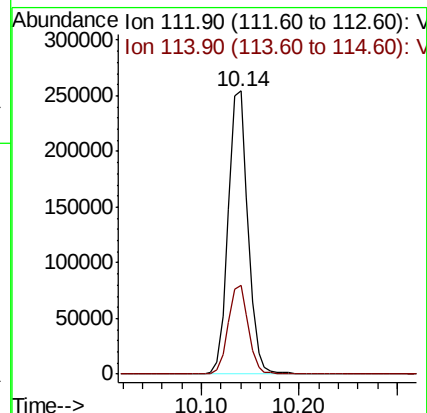
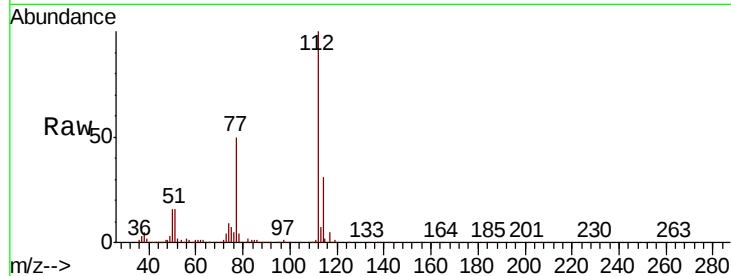
VX1219WBS01

Tot Ion:112 Resp: 357488

Ion Ratio Lower Upper

112 100

114 31.4 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 20.165 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

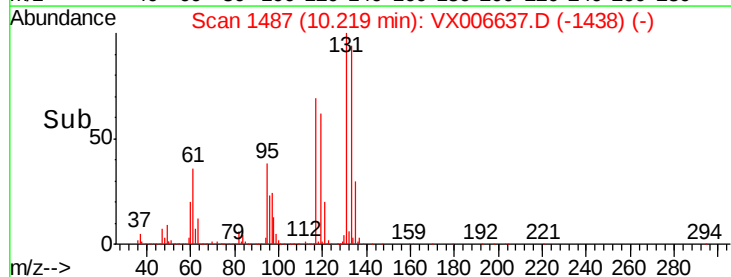
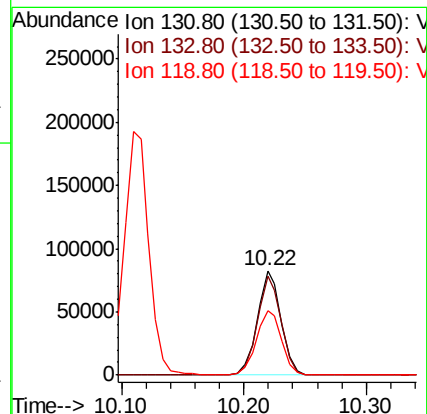
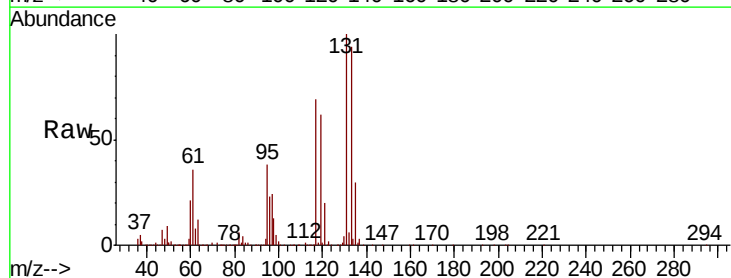
Tgt Ion:131 Resp: 111327

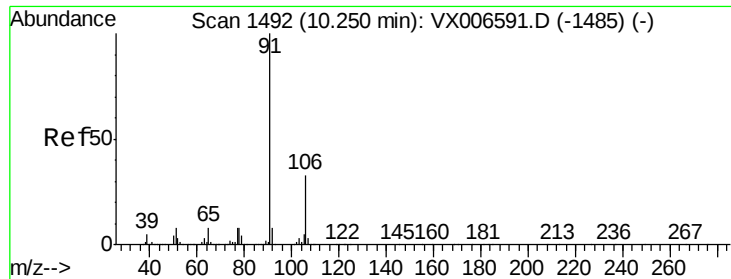
Ion Ratio Lower Upper

131 100

133 94.8 48.0 144.2

119 65.8 32.6 97.8





#67

Ethyl Benzene

Concen: 20.217 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

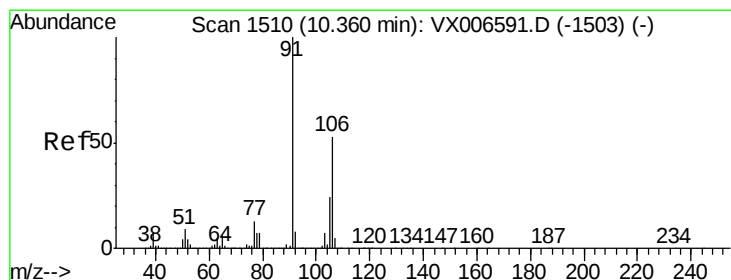
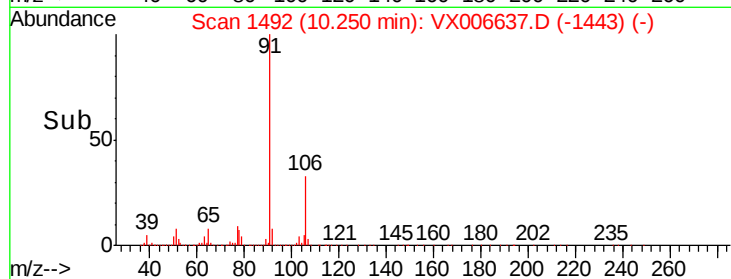
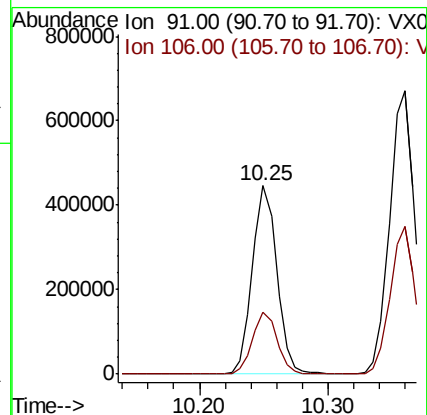
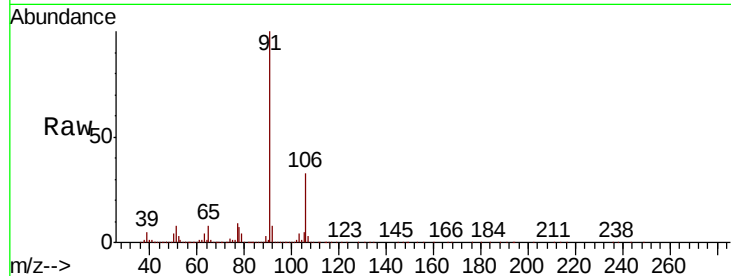
VX1219WBS01

Tot Ion: 91 Resp: 584590

Ion Ratio Lower Upper

91 100

106 32.8 26.4 39.6



#68

m/p-Xylenes

Concen: 41.300 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006637.D

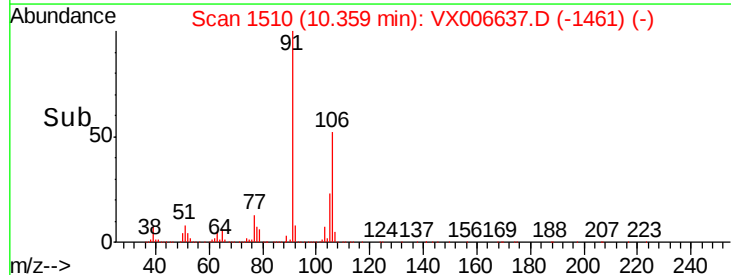
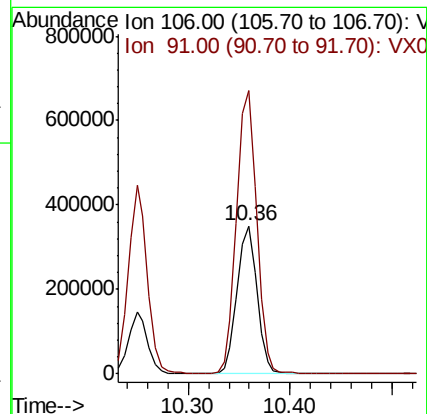
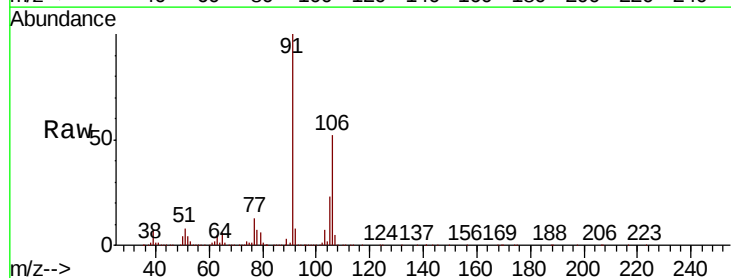
Acq: 19 Dec 2018 15:24

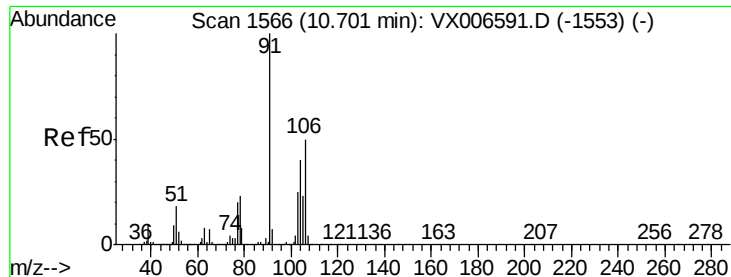
Tgt Ion: 106 Resp: 471229

Ion Ratio Lower Upper

106 100

91 193.9 155.8 233.6

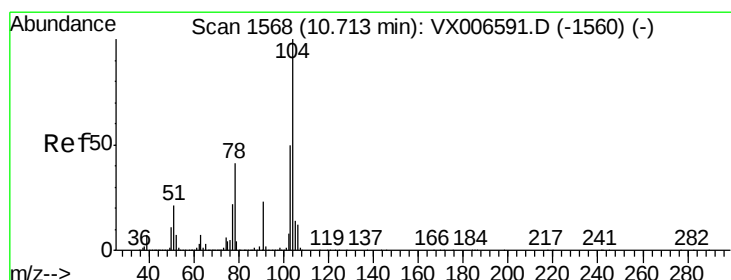
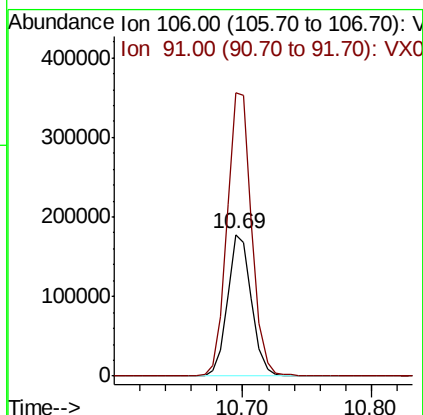
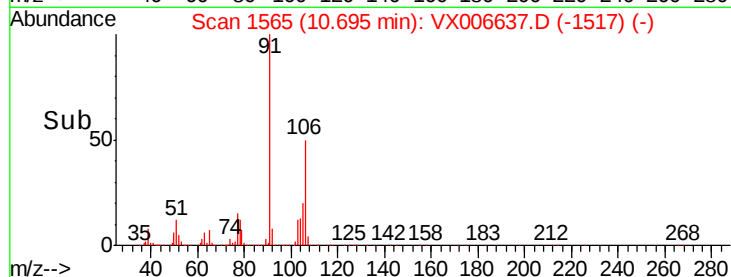
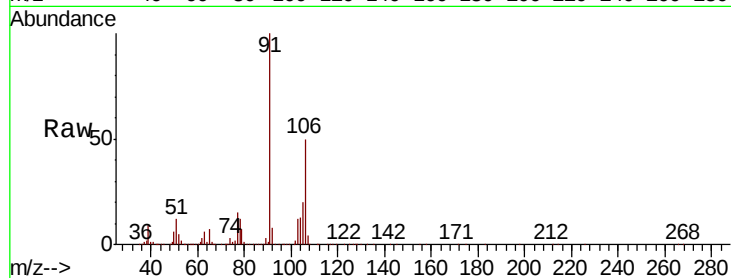




#69
o-Xylene
Concen: 20.543 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

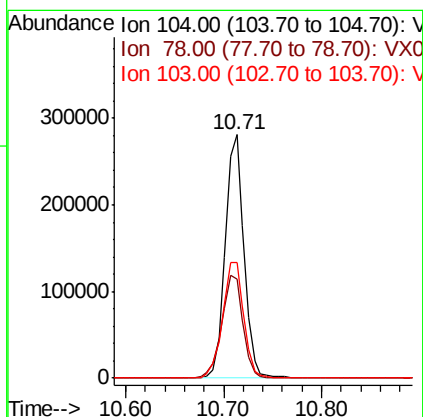
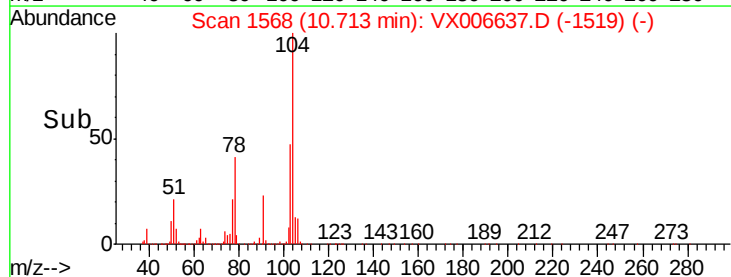
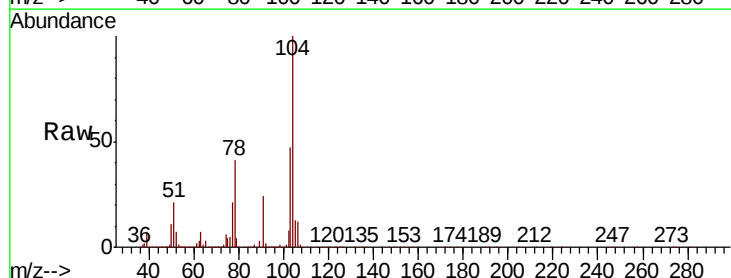
Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

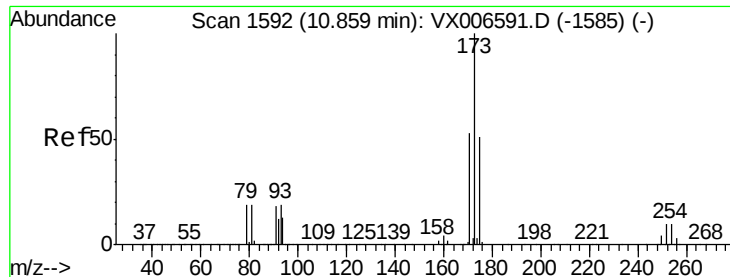
Tot Ion:106 Resp: 231461
Ion Ratio Lower Upper
106 100
91 206.6 101.3 303.7



#70
Styrene
Concen: 20.871 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion:104 Resp: 372029
Ion Ratio Lower Upper
104 100
78 47.9 37.7 56.5
103 54.2 43.8 65.8





#71

Bromoform

Concen: 18.066 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

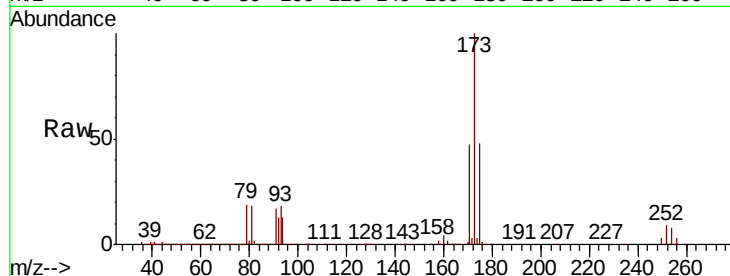
Tot Ion:173 Resp: 74395

Ion Ratio Lower Upper

173 100

175 48.6 24.7 74.1

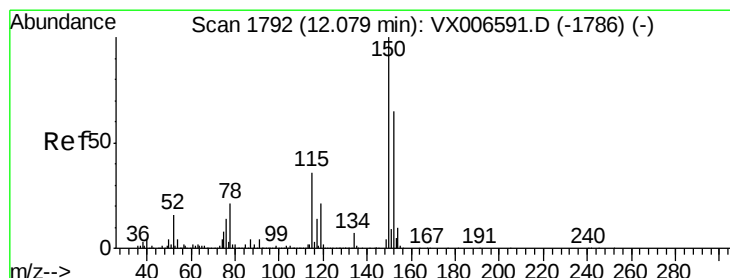
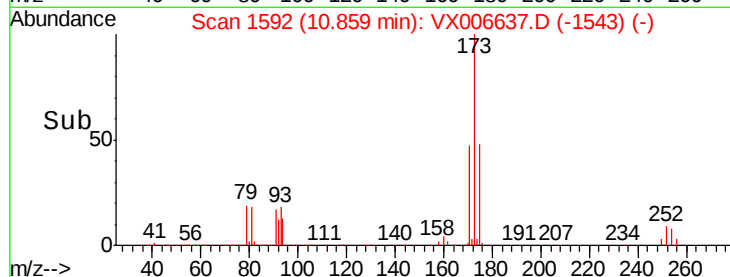
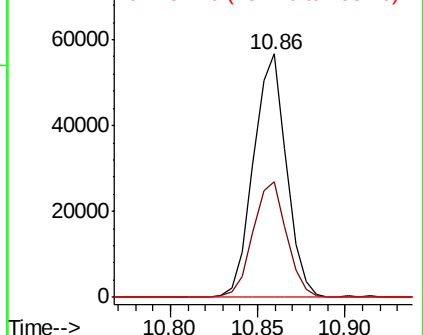
254 0.0 0.2 0.2#



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: VX006637.D

Acq: 19 Dec 2018 15:24

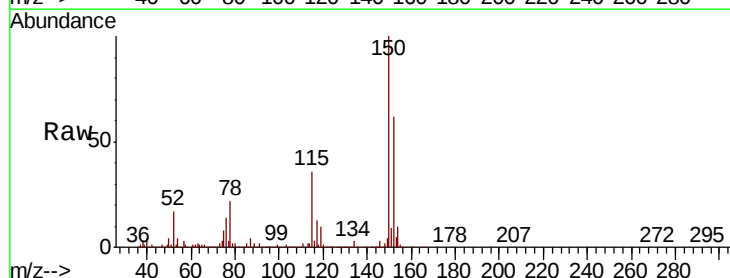
Tgt Ion:152 Resp: 440718

Ion Ratio Lower Upper

152 100

115 65.9 39.1 117.2

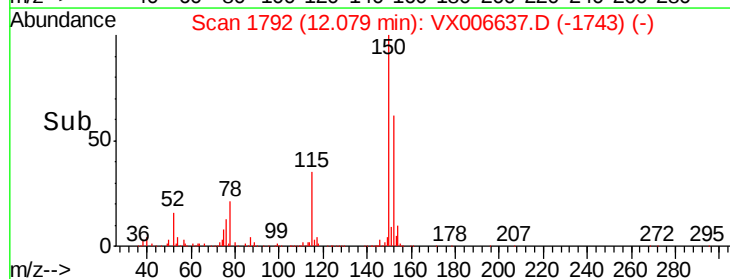
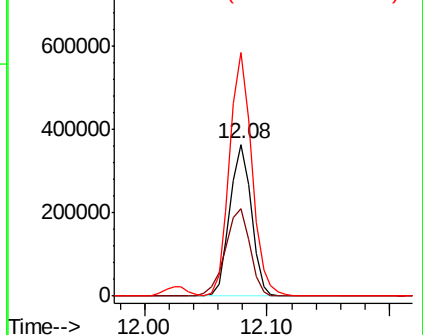
150 166.6 0.0 344.8

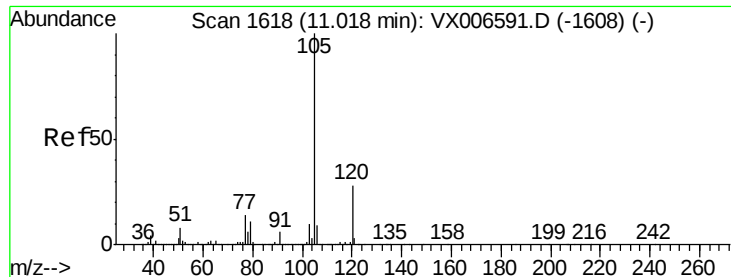


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.216 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

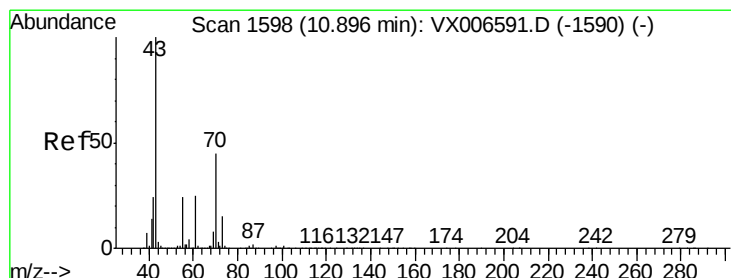
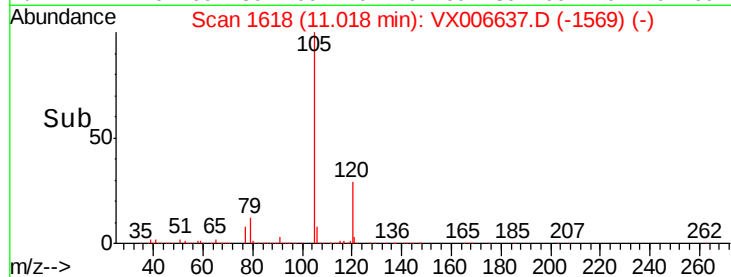
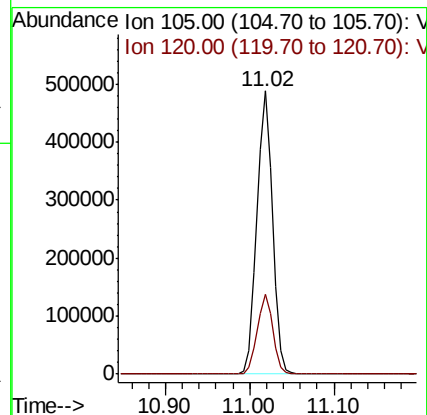
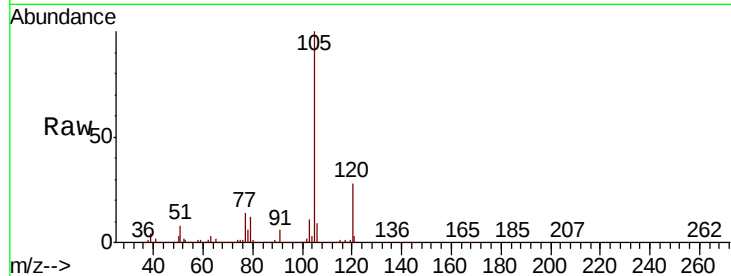
VX1219WBS01

Tot Ion:105 Resp: 609511

Ion Ratio Lower Upper

105 100

120 28.1 14.1 42.4



#74

N-ethyl acetate

Concen: 20.547 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Tgt Ion: 43 Resp: 221748

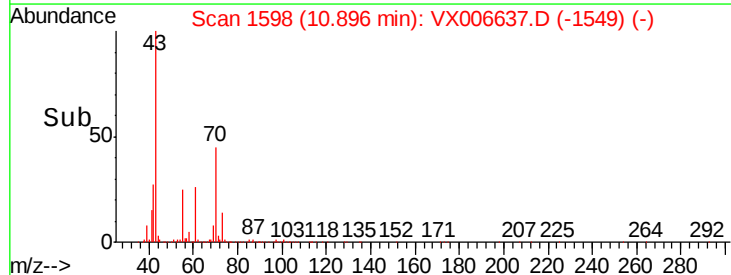
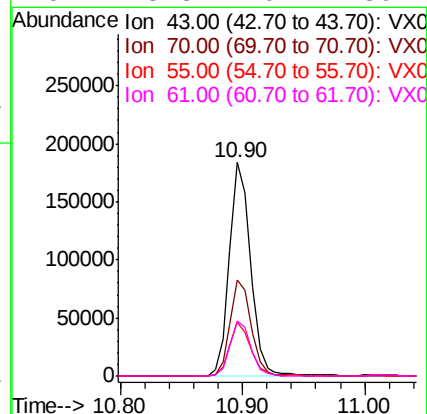
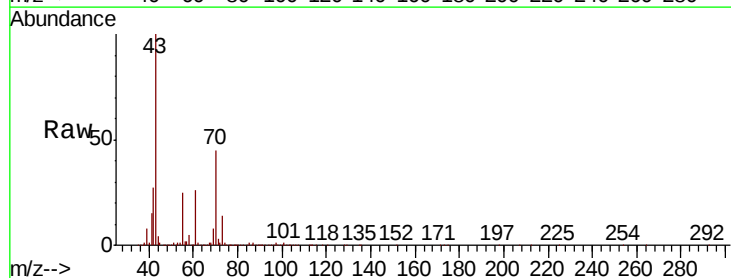
Ion Ratio Lower Upper

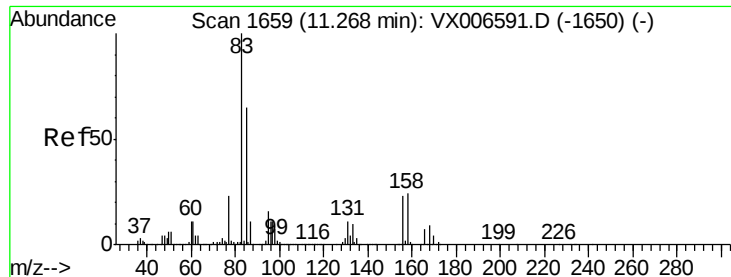
43 100

70 44.4 35.8 53.8

55 25.0 19.4 29.0

61 25.3 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.575 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

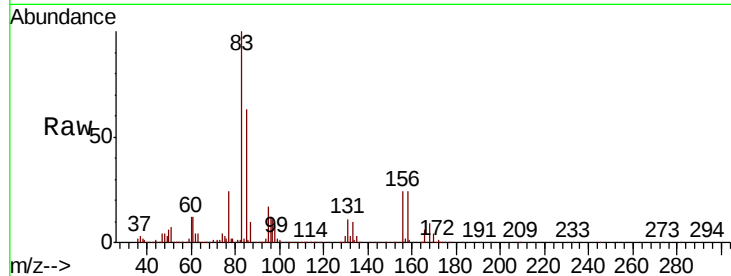
Tot Ion: 83 Resp: 184492

Ion Ratio Lower Upper

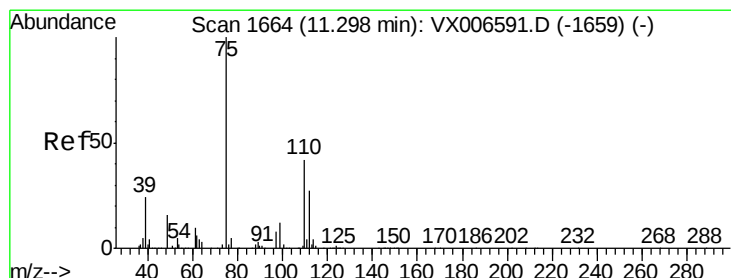
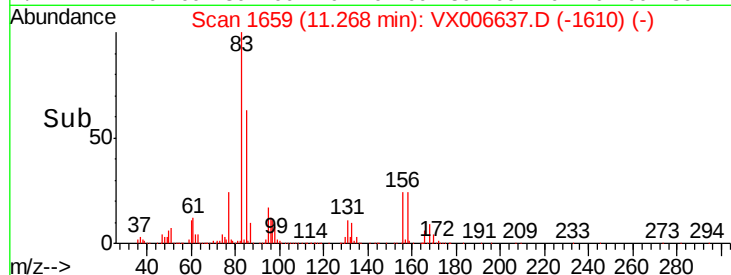
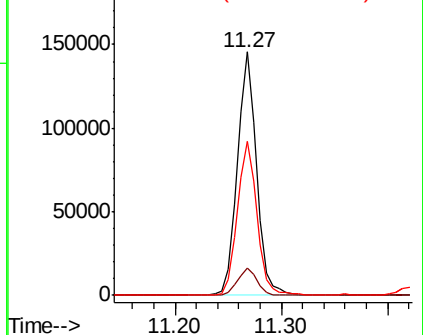
83 100

131 11.5 5.7 17.1

85 64.7 32.2 96.6



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: 23.591 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006637.D

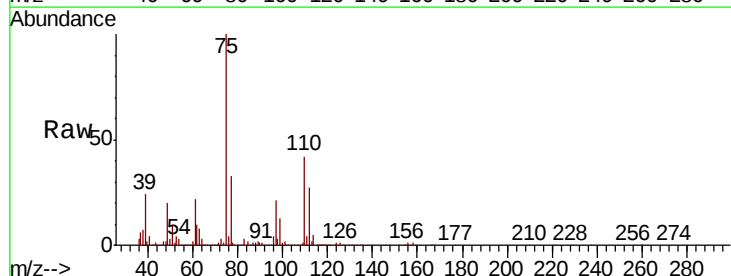
Acq: 19 Dec 2018 15:24

Tgt Ion: 75 Resp: 193223

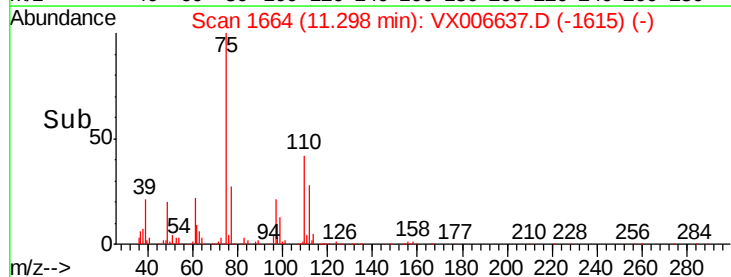
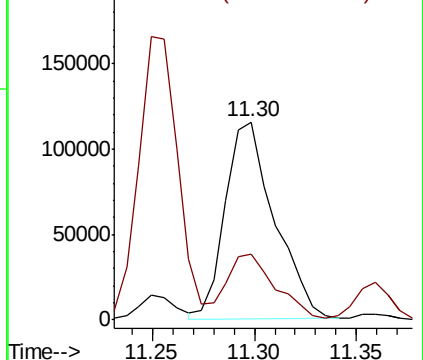
Ion Ratio Lower Upper

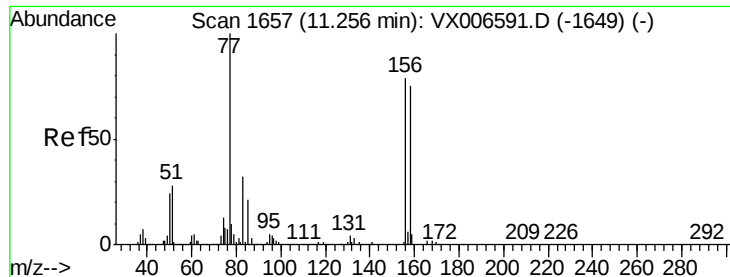
75 100

77 31.9 18.5 55.5



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





#77

Bromobenzene

Concen: 19.805 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

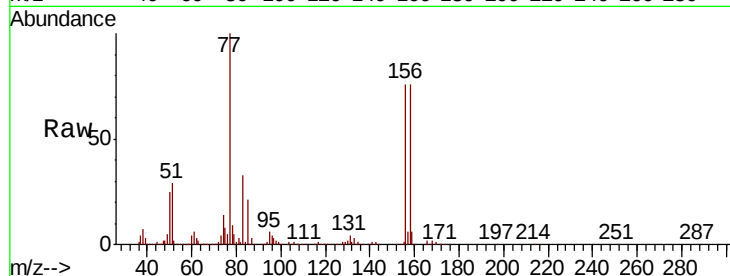
Tot Ion:156 Resp: 161437

Ion Ratio Lower Upper

156 100

77 136.5 68.0 204.0

158 98.2 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

200000

150000

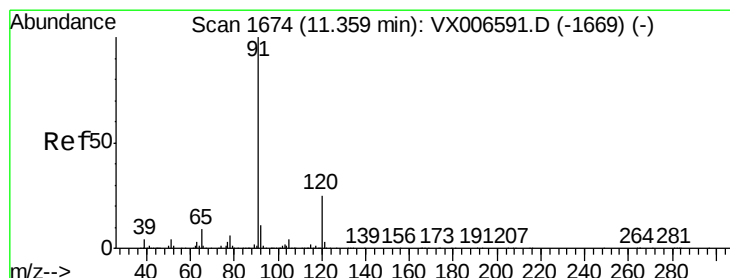
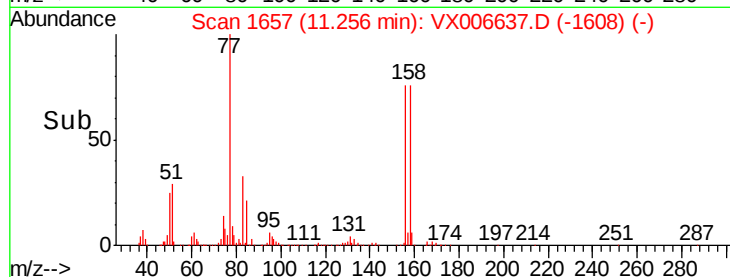
100000

50000

0

11.20 11.30

Time-->



#78

n-propylbenzene

Concen: 20.564 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006637.D

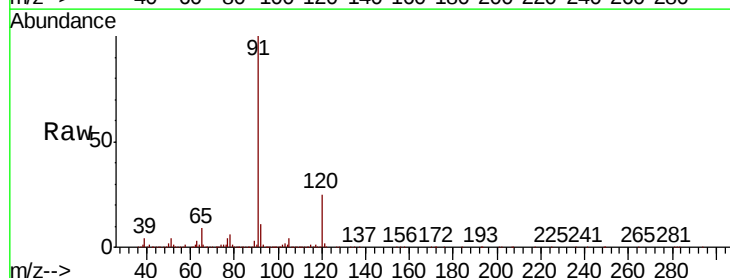
Acq: 19 Dec 2018 15:24

Tgt Ion: 91 Resp: 682751

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

600000

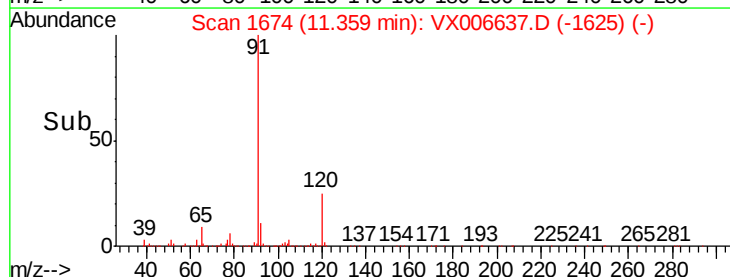
400000

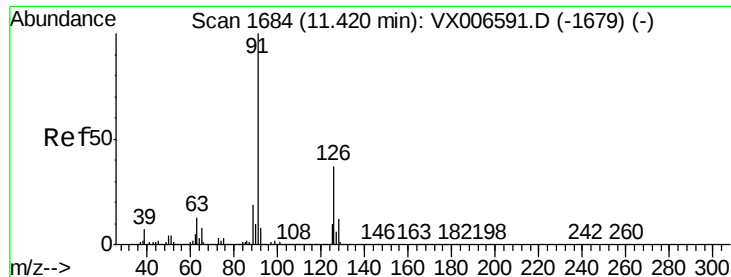
200000

0

11.30 11.35 11.40

Time-->





#79

2-Chlorotoluene

Concen: 20.316 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

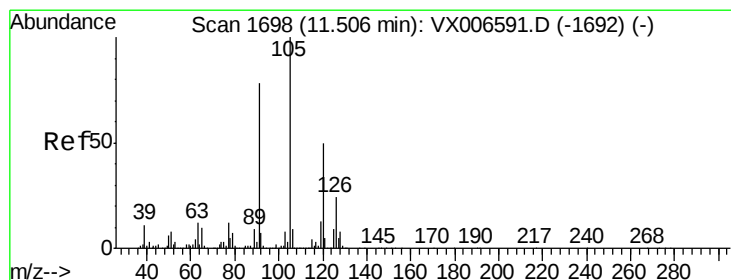
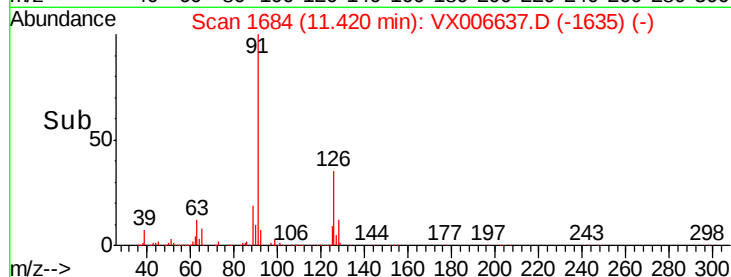
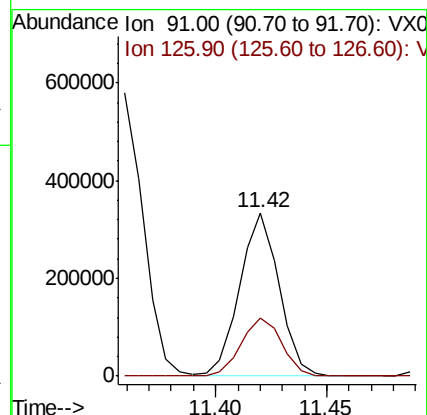
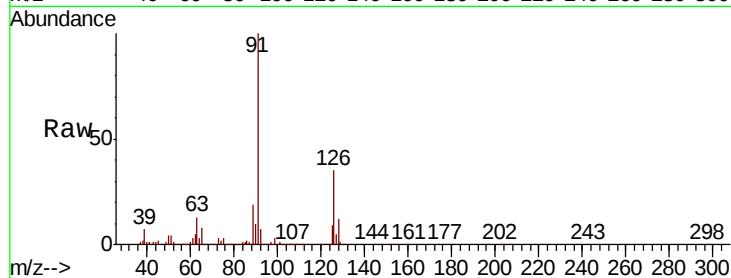
VX1219WBS01

Tot Ion: 91 Resp: 408769

Ion Ratio Lower Upper

91 100

126 37.2 18.6 56.0



#80

1,3,5-Trimethylbenzene

Concen: 20.346 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006637.D

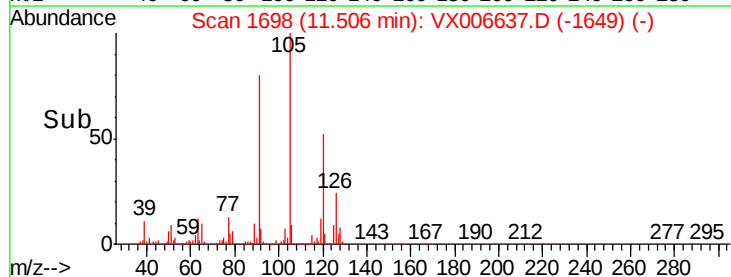
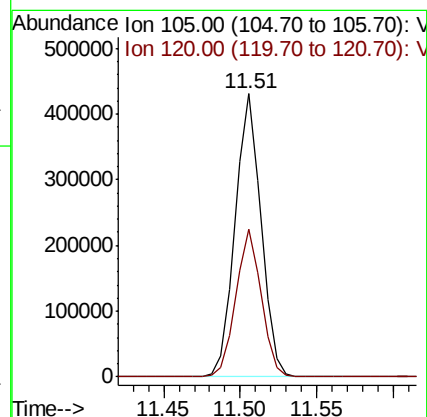
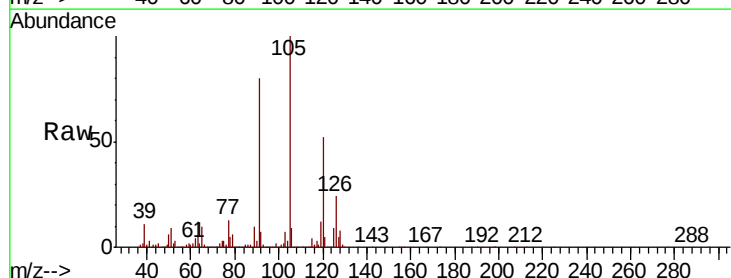
Acq: 19 Dec 2018 15:24

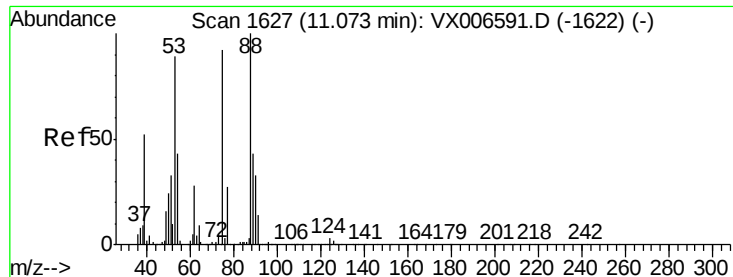
Tgt Ion: 105 Resp: 505270

Ion Ratio Lower Upper

105 100

120 51.0 25.1 75.3

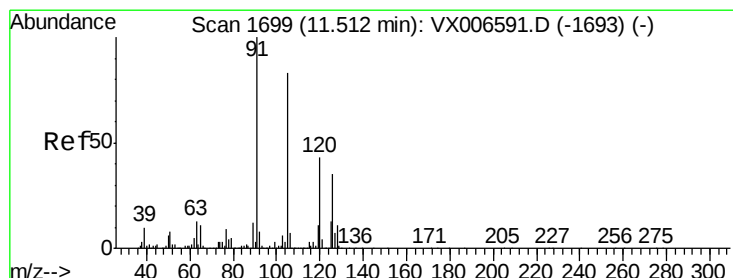
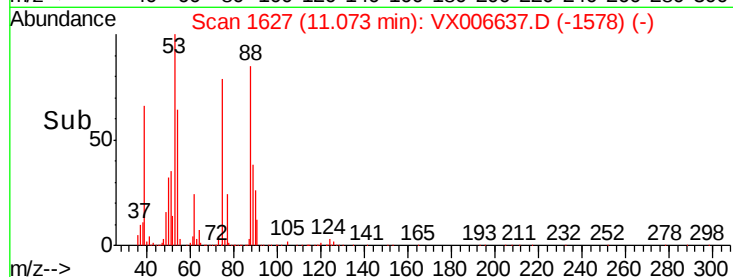
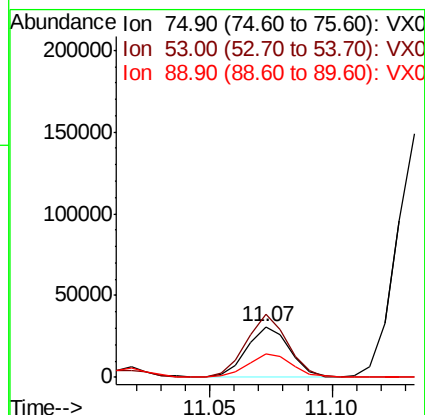
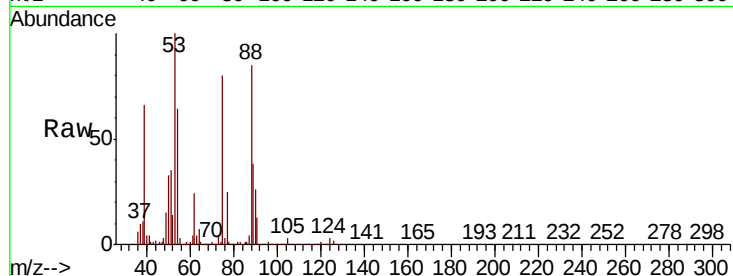




#81
trans-1,4-Dichloro-2-butene
Concen: 16.997 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

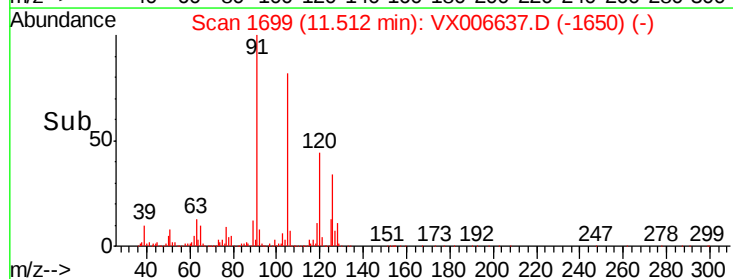
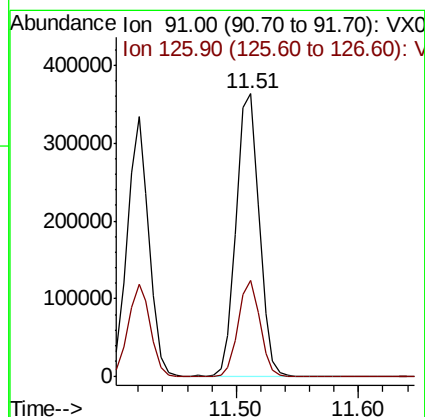
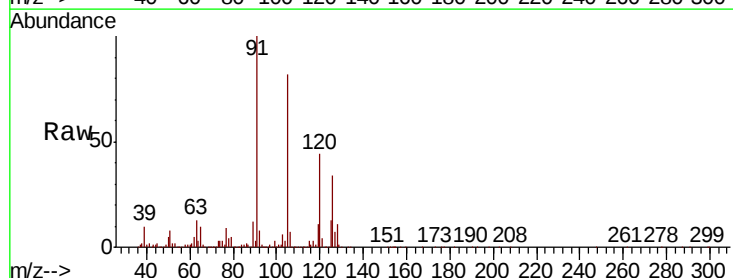
Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

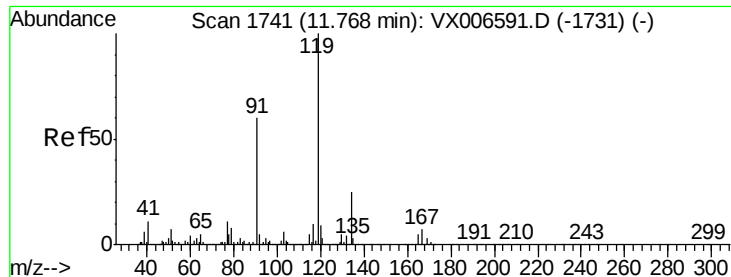
Tot Ion: 75 Resp: 37532
Ion Ratio Lower Upper
75 100
53 120.1 79.7 119.5#
89 49.0 38.0 57.0



#82
4-Chlorotoluene
Concen: 20.433 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006637.D
Acq: 19 Dec 2018 15:24

Tgt Ion: 91 Resp: 471583
Ion Ratio Lower Upper
91 100
126 32.2 16.3 48.9





#83

tert-Butylbenzene

Concen: 20.071 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

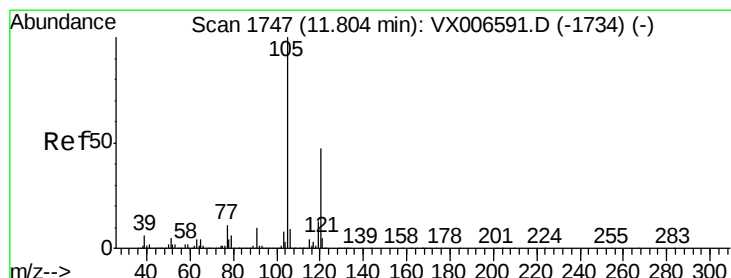
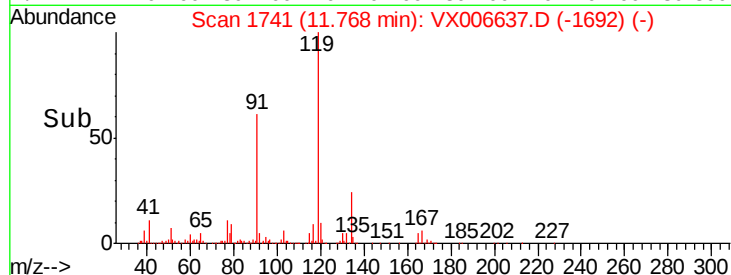
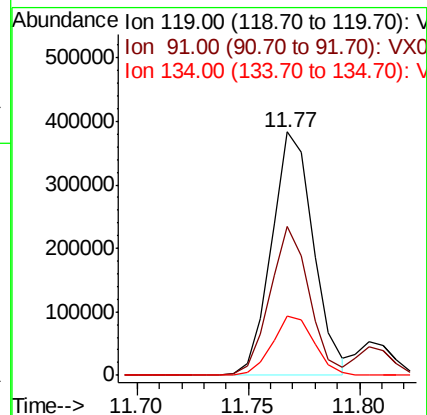
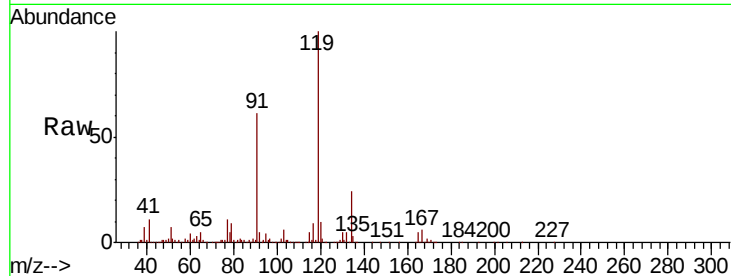
Tot Ion:119 Resp: 498849

Ion Ratio Lower Upper

119 100

91 57.5 27.7 83.1

134 24.4 11.9 35.5



#84

1,2,4-Trimethylbenzene

Concen: 19.865 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006637.D

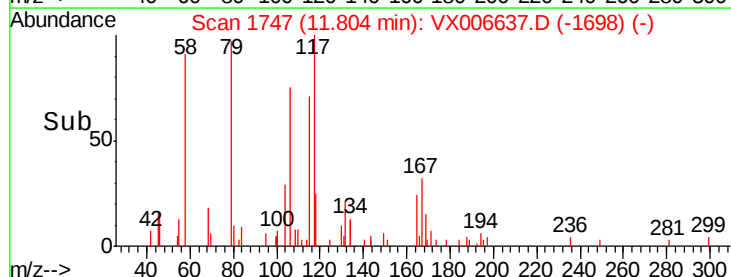
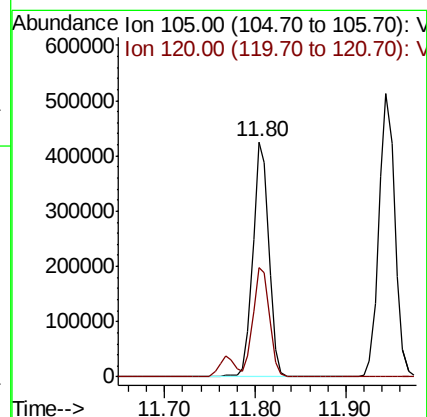
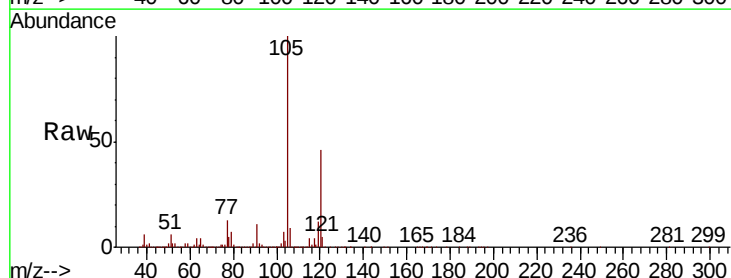
Acq: 19 Dec 2018 15:24

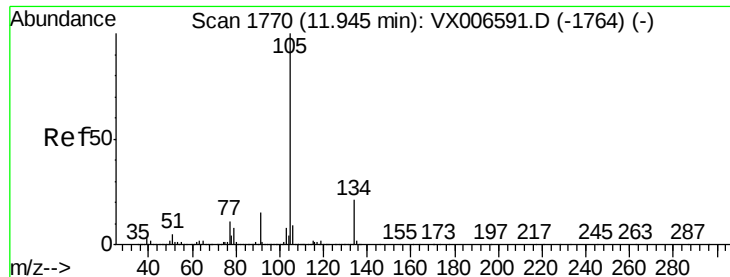
Tgt Ion:105 Resp: 518904

Ion Ratio Lower Upper

105 100

120 47.1 23.2 69.6





#85

sec-Butylbenzene

Concen: 20.512 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

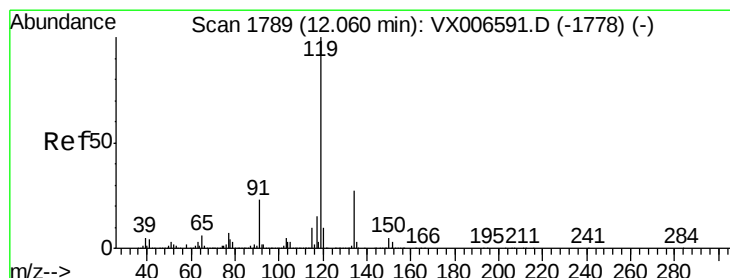
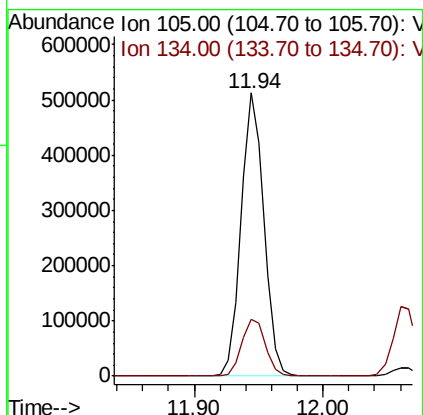
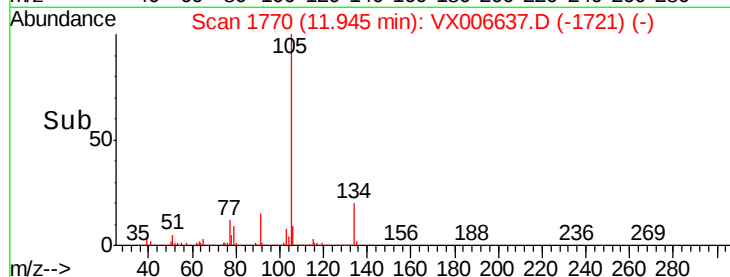
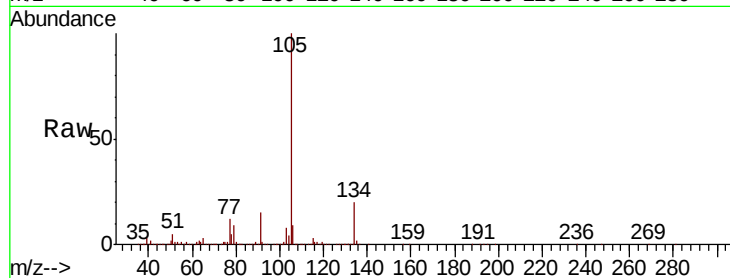
VX1219WBS01

Tot Ion:105 Resp: 625082

Ion Ratio Lower Upper

105 100

134 21.0 10.7 31.9



#86

p-Isopropyltoluene

Concen: 20.702 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

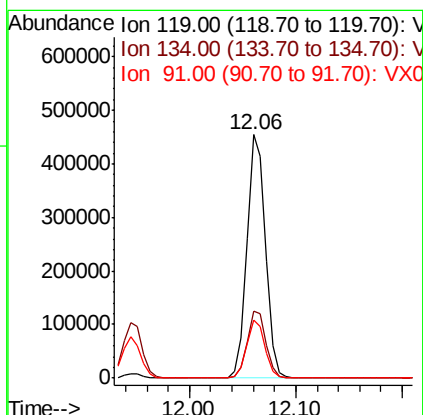
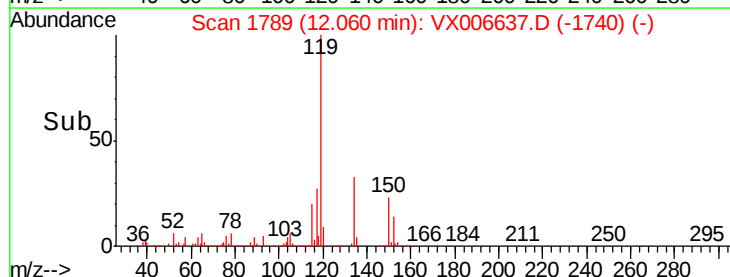
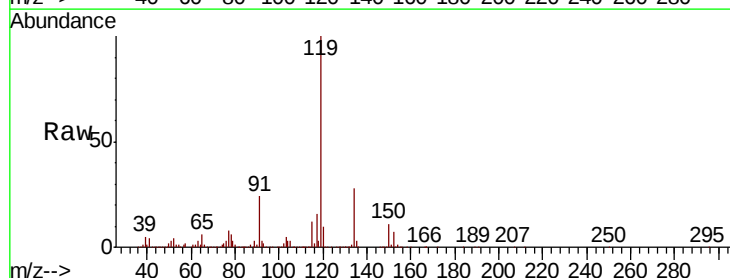
Tgt Ion:119 Resp: 554551

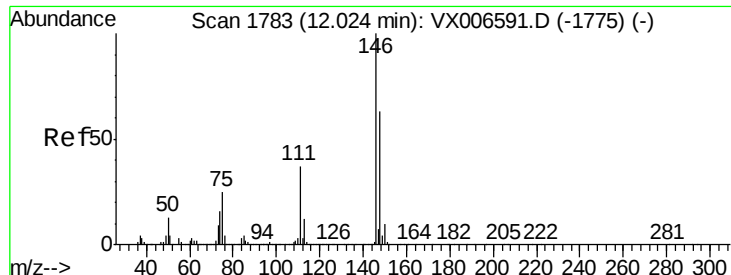
Ion Ratio Lower Upper

119 100

134 28.0 14.0 41.9

91 23.4 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 20.397 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

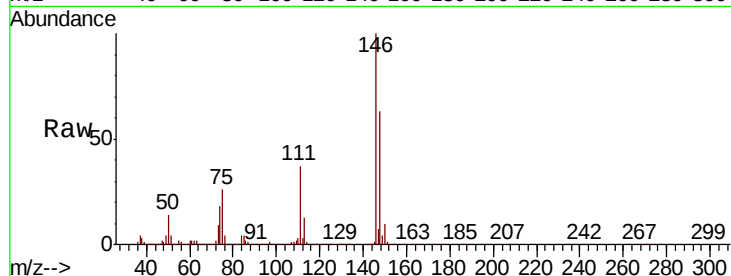
Tot Ion:146 Resp: 299640

Ion Ratio Lower Upper

146 100

111 37.8 18.6 55.8

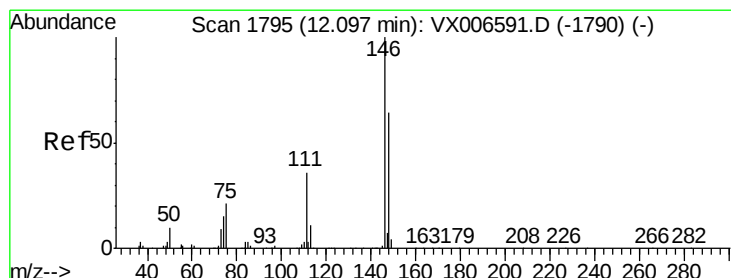
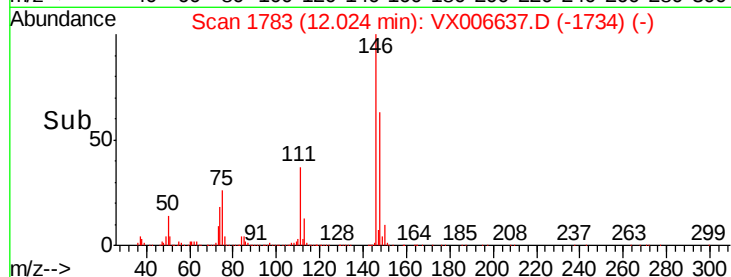
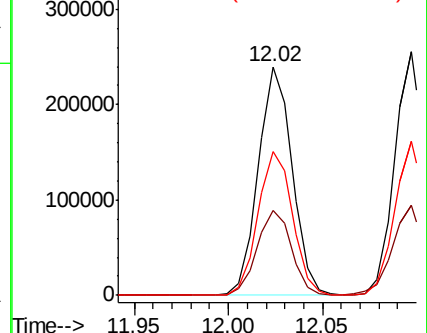
148 64.3 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 19.994 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

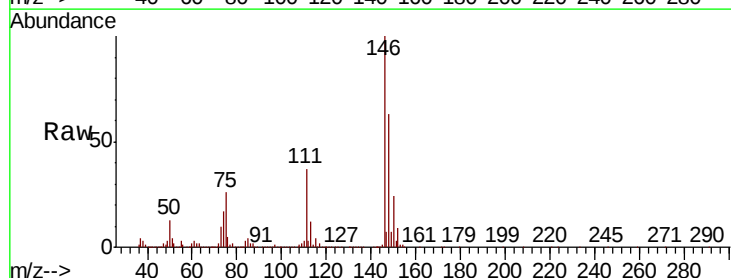
Tgt Ion:146 Resp: 301111

Ion Ratio Lower Upper

146 100

111 38.4 18.1 54.1

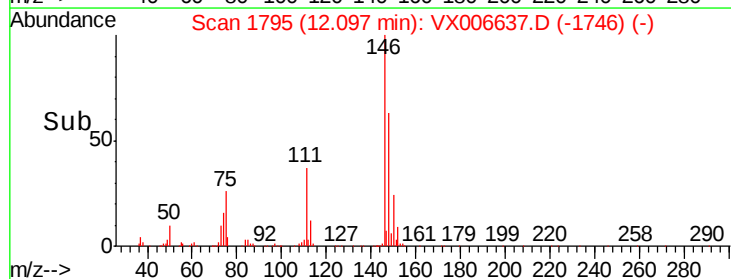
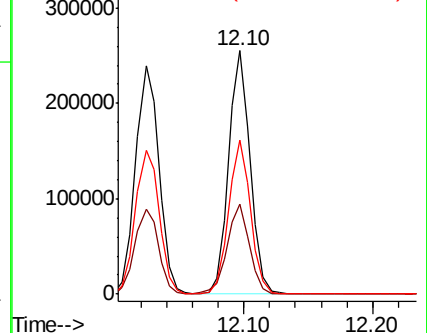
148 64.0 31.9 95.9

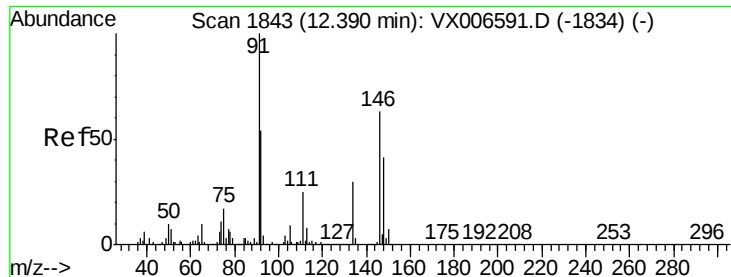


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.667 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampled :

VX1219WBS01

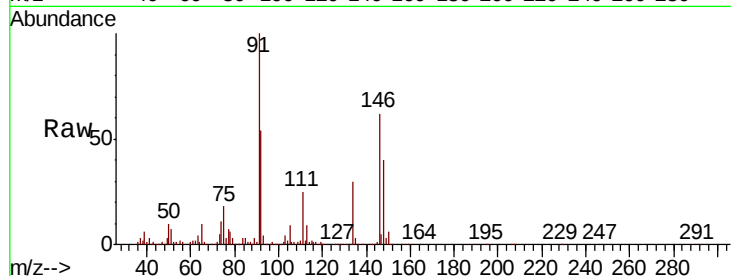
Tot Ion: 91 Resp: 471152

Ion Ratio Lower Upper

91 100

92 53.1 26.8 80.4

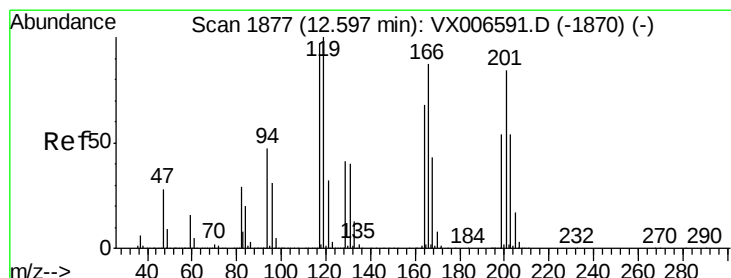
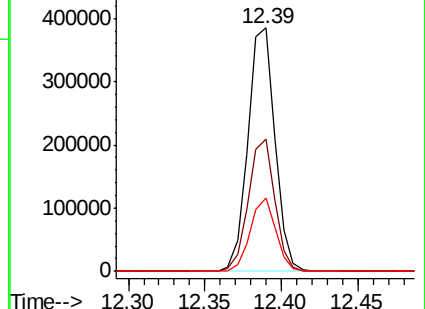
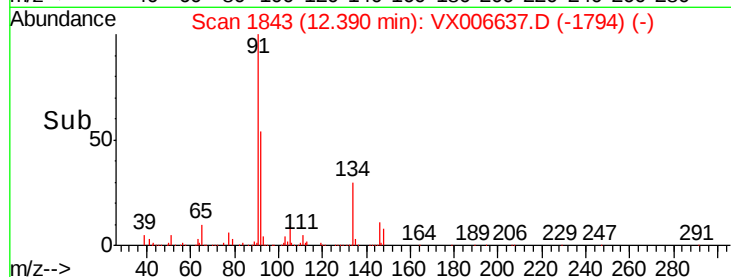
134 28.7 14.4 43.2



Abundance Ion 91.00 (90.70 to 91.70): VX006637.D (-1794) (-)

Ion 92.00 (91.70 to 92.70): VX006637.D (-1794) (-)

Ion 134.00 (133.70 to 134.70): VX006637.D (-1794) (-)



#90

Hexachloroethane

Concen: 18.707 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006637.D

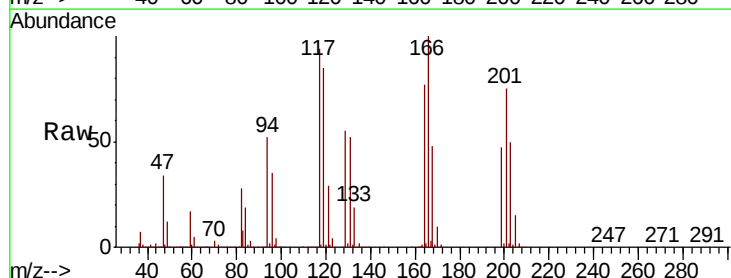
Acq: 19 Dec 2018 15:24

Tgt Ion: 117 Resp: 69174

Ion Ratio Lower Upper

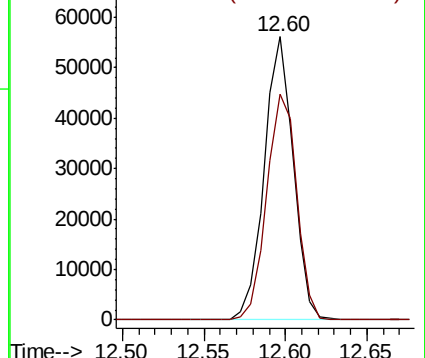
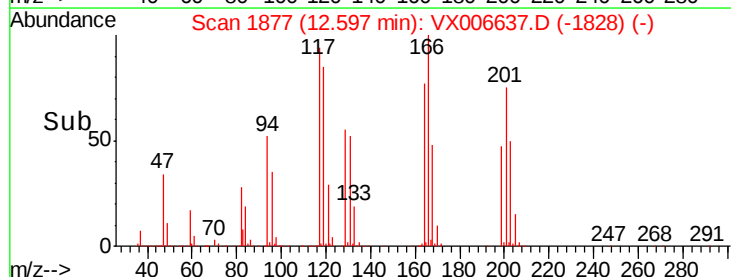
117 100

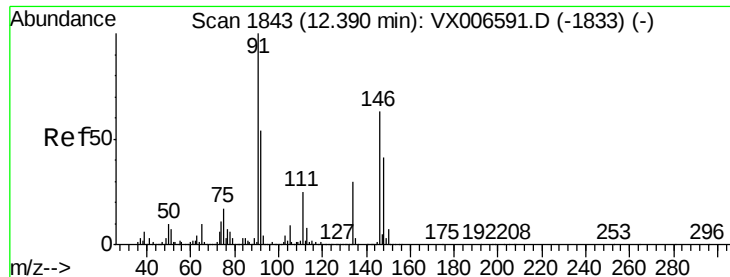
201 82.9 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): VX006637.D (-1828) (-)

Ion 200.70 (200.40 to 201.40): VX006637.D (-1828) (-)





#91

1,2-Dichlorobenzene

Concen: 20.233 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

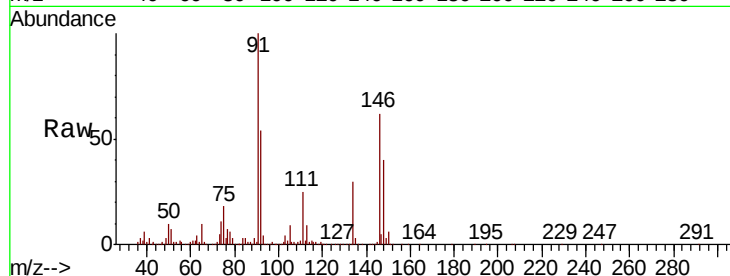
Tot Ion:146 Resp: 297339

Ion Ratio Lower Upper

146 100

111 39.6 19.4 58.2

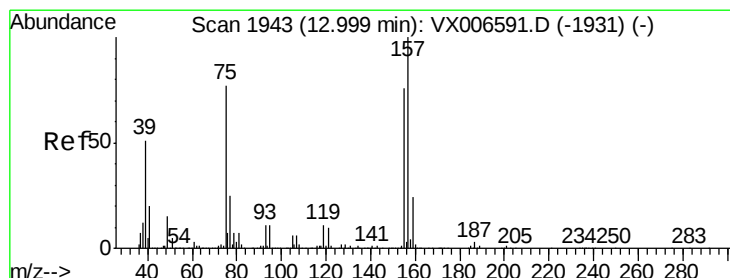
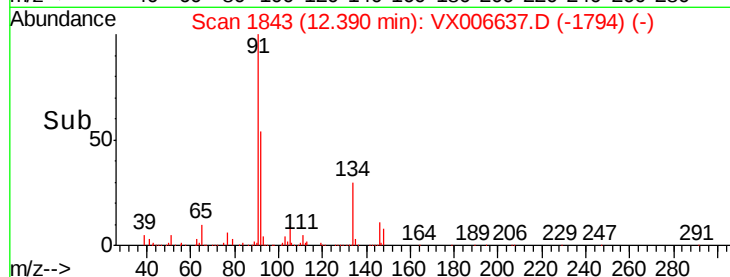
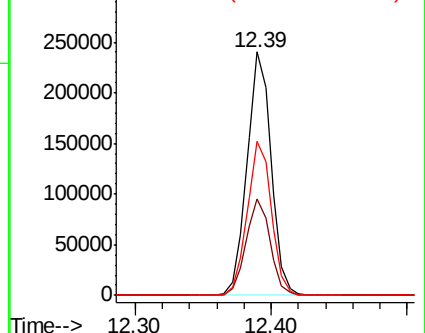
148 63.8 32.3 96.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.800 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

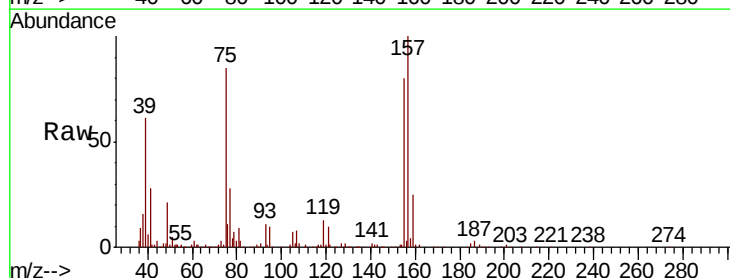
Tgt Ion: 75 Resp: 34880

Ion Ratio Lower Upper

75 100

155 99.2 50.6 151.8

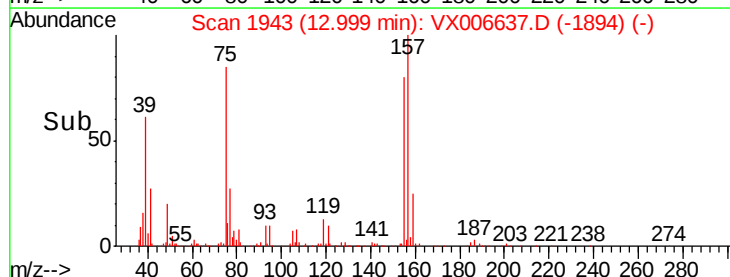
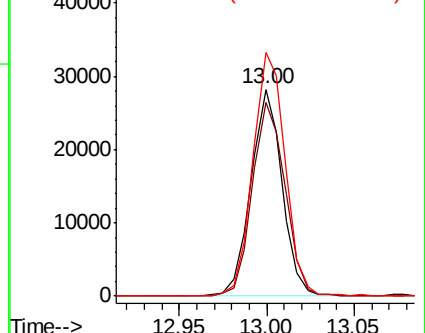
157 123.0 64.6 193.8

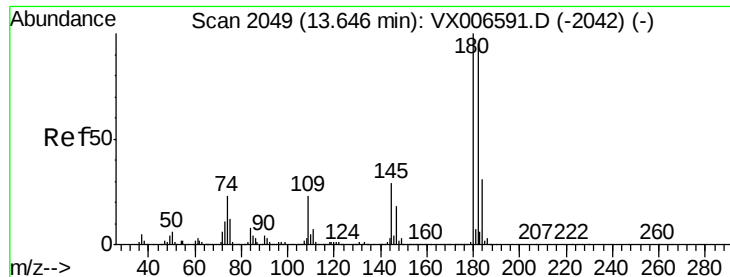


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

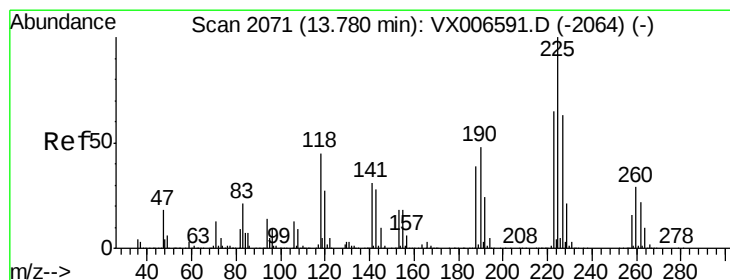
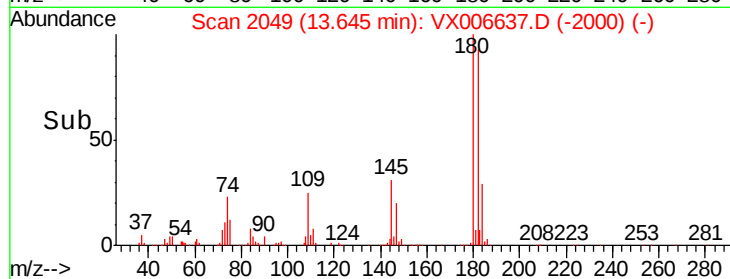
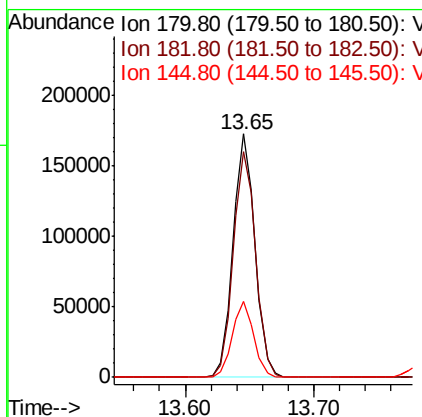
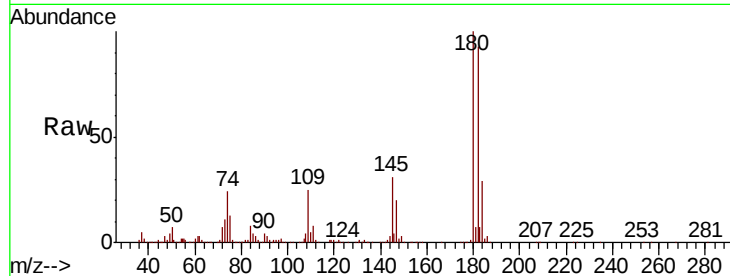




#93
 1,2,4-Trichlorobenzene
 Concen: 20.305 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

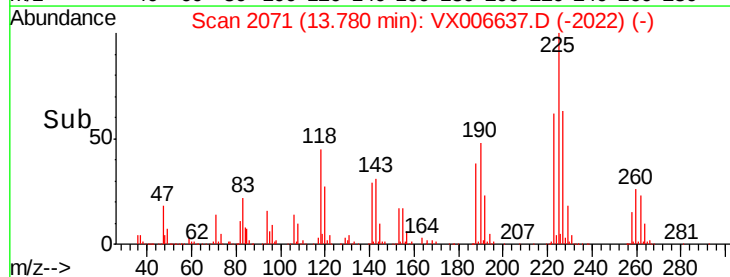
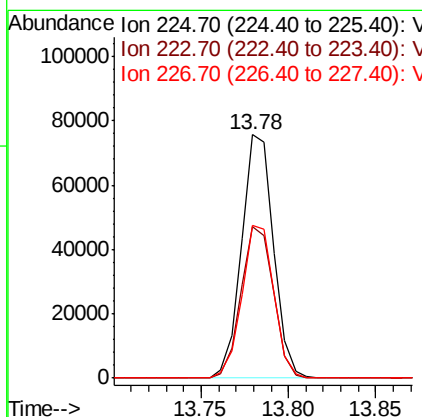
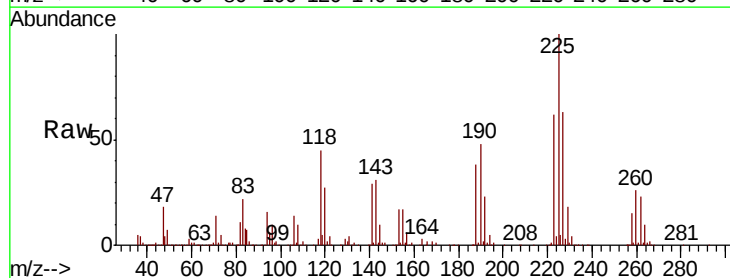
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

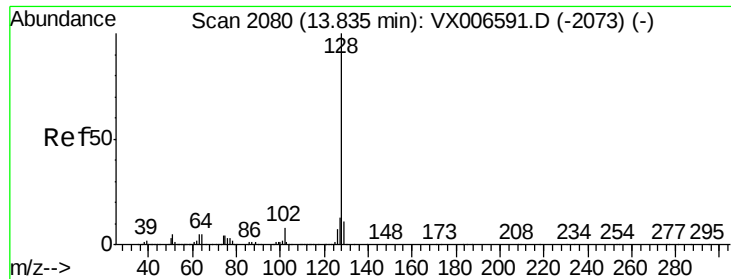
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	142.0
145	30.7	14.8	44.3



#94
 Hexachlorobutadiene
 Concen: 20.031 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006637.D
 Acq: 19 Dec 2018 15:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.1	96.3
227	62.8	32.3	96.8





#95

Naphthalene

Concen: 19.651 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

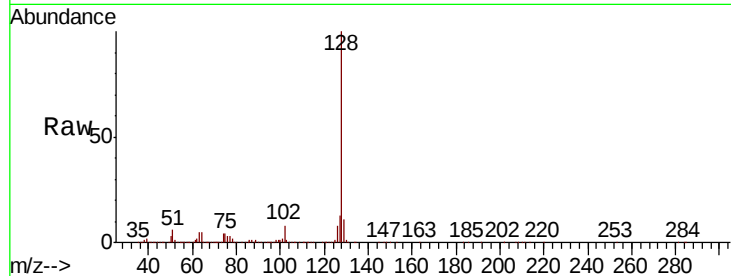
Tot Ion:128 Resp: 635799

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

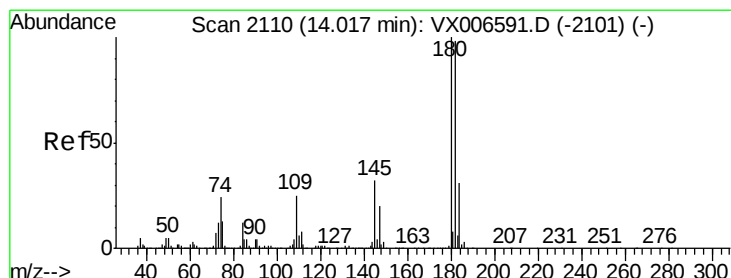
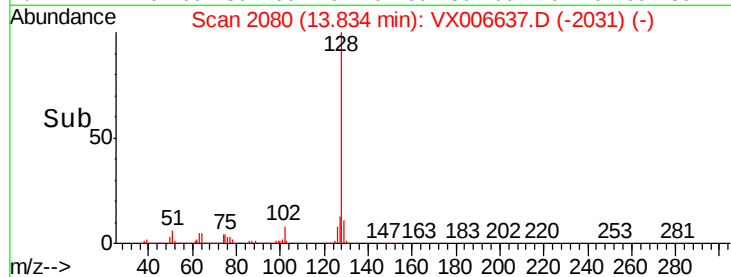
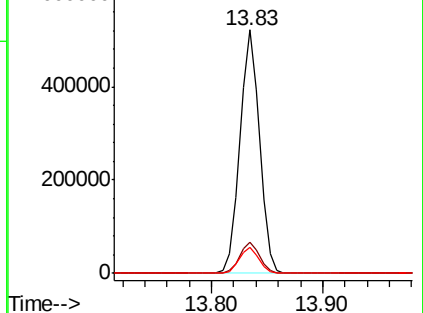
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.440 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006637.D

Acq: 19 Dec 2018 15:24

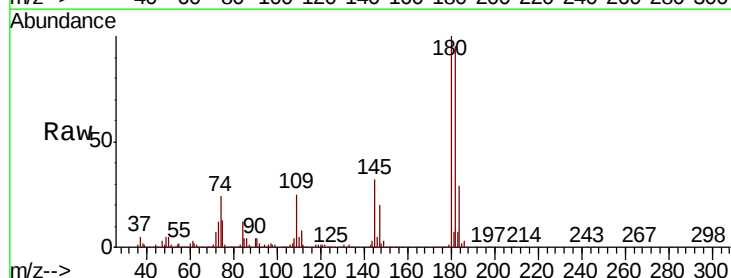
Tgt Ion:180 Resp: 203469

Ion Ratio Lower Upper

180 100

182 97.3 48.5 145.5

145 32.5 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

