

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120618\
 Data File : VX006313.D
 Acq On : 06 Dec 2018 12:58
 Operator : JC/MD
 Sample : VX1206WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBS01

Quant Time: Dec 07 04:28:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	679334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1015101	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	911270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	454258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	342724	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	5.50	113	326943	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	8.71	98	1173572	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	11.13	95	436762	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	129202	19.424	ug/l	100
3) Chloromethane	1.33	50	123737	18.102	ug/l	97
4) Vinyl Chloride	1.41	62	136138	18.505	ug/l	98
5) Bromomethane	1.64	94	97121	19.049	ug/l	97
6) Chloroethane	1.73	64	87431	19.383	ug/l	97
7) Trichlorofluoromethane	1.93	101	209716	18.571	ug/l	99
8) Diethyl Ether	2.19	74	80890	18.927	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	120348	18.742	ug/l	98
10) Methyl Iodide	2.51	142	158481	16.377	ug/l	99
11) Tert butyl alcohol	3.07	59	170383	89.839	ug/l	98
12) 1,1-Dichloroethene	2.38	96	113395	18.447	ug/l	95
13) Acrolein	2.29	56	92388	89.128	ug/l	100
14) Allyl chloride	2.73	41	214890	17.697	ug/l	98
15) Acrylonitrile	3.15	53	363693	91.897	ug/l	100
16) Acetone	2.45	43	295517	90.802	ug/l	100
17) Carbon Disulfide	2.57	76	308619	16.293	ug/l	99
18) Methyl Acetate	2.78	43	205855	18.914	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	409587	18.678	ug/l	99
20) Methylene Chloride	2.86	84	129827	18.744	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	117180	17.888	ug/l	99
22) Diisopropyl ether	3.87	45	364925	19.240	ug/l	94
23) Vinyl Acetate	3.82	43	1515100	93.658	ug/l	100
24) 1,1-Dichloroethane	3.70	63	207105	19.104	ug/l	98
25) 2-Butanone	4.70	43	437054	94.117	ug/l	97
26) 2,2-Dichloropropane	4.59	77	190515	19.042	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	143523	19.642	ug/l	99
28) Bromochloromethane	5.02	49	100598	21.245	ug/l	99
29) Tetrahydrofuran	5.15	42	298506	92.492	ug/l	97
30) Chloroform	5.21	83	225497	19.794	ug/l	97
31) Cyclohexane	5.58	56	180818	18.048	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	210110	19.384	ug/l	99
36) 1,1-Dichloropropene	5.80	75	158984	18.599	ug/l	100
37) Ethyl Acetate	4.85	43	170773	17.839	ug/l	98
38) Carbon Tetrachloride	5.78	117	188600	18.755	ug/l	94

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Instrument :
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 ClientSampleId :
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	204210	18.404	ug/l	99
40) Benzene	6.14	78	496836	19.406	ug/l	100
41) Methacrylonitrile	5.06	41	95944	18.214	ug/l	99
42) 1,2-Dichloroethane	6.20	62	165266	19.723	ug/l	99
43) Isopropyl Acetate	6.46	43	283620	17.770	ug/l	98
44) Trichloroethene	7.21	130	147713	19.045	ug/l	99
45) 1,2-Dichloropropane	7.51	63	124093	19.071	ug/l	100
46) Dibromomethane	7.66	93	89652	19.077	ug/l	98
47) Bromodichloromethane	7.90	83	170060	18.687	ug/l	99
48) Methyl methacrylate	7.77	41	139755	17.999	ug/l	98
49) 1,4-Dioxane	7.75	88	72515	378.921	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	863386	92.923	ug/l	98
52) Toluene	8.79	92	322408	19.141	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	188968	17.755	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	201969	18.275	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	135688	19.829	ug/l	99
56) Ethyl methacrylate	9.18	69	200043	18.700	ug/l	97
57) 1,3-Dichloropropane	9.37	76	210887	19.489	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	504634	92.959	ug/l	98
59) 2-Hexanone	9.49	43	659535	92.910	ug/l	99
60) Dibromochloromethane	9.59	129	155241	18.398	ug/l	99
61) 1,2-Dibromoethane	9.67	107	142934	18.681	ug/l	99
64) Tetrachloroethene	9.34	164	136337	19.866	ug/l	96
65) Chlorobenzene	10.14	112	372727	19.268	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	140745	18.726	ug/l	99
67) Ethyl Benzene	10.25	91	609930	18.958	ug/l	98
68) m/p-Xylenes	10.36	106	488111	37.874	ug/l	100
69) o-Xylene	10.70	106	238492	18.735	ug/l	99
70) Styrene	10.71	104	384963	18.698	ug/l	98
71) Bromoform	10.86	173	120025	16.917	ug/l	99
73) Isopropylbenzene	11.02	105	634330	20.221	ug/l	99
74) N-amyl acetate	10.90	43	251350	18.606	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	200956	20.023	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	233588	26.641	ug/l	87
77) Bromobenzene	11.26	156	174349	20.027	ug/l	99
78) n-propylbenzene	11.36	91	689417	19.770	ug/l	100
79) 2-Chlorotoluene	11.42	91	413714	19.961	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	522527	20.019	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	67174	17.979	ug/l	94
82) 4-Chlorotoluene	11.51	91	473253	19.639	ug/l	100
83) tert-Butylbenzene	11.77	119	566165	20.330	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	539684	20.024	ug/l	99
85) sec-Butylbenzene	11.94	105	640256	20.209	ug/l	100
86) p-Isopropyltoluene	12.07	119	566312	19.851	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	301844	19.485	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	304114	19.342	ug/l	98
89) n-Butylbenzene	12.39	91	463480	19.040	ug/l	99
90) Hexachloroethane	12.60	117	107320	18.458	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	306664	19.947	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46641	18.129	ug/l	95

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Instrument :
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ClientSampleId :
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Quant Time: Dec 07 04:28:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

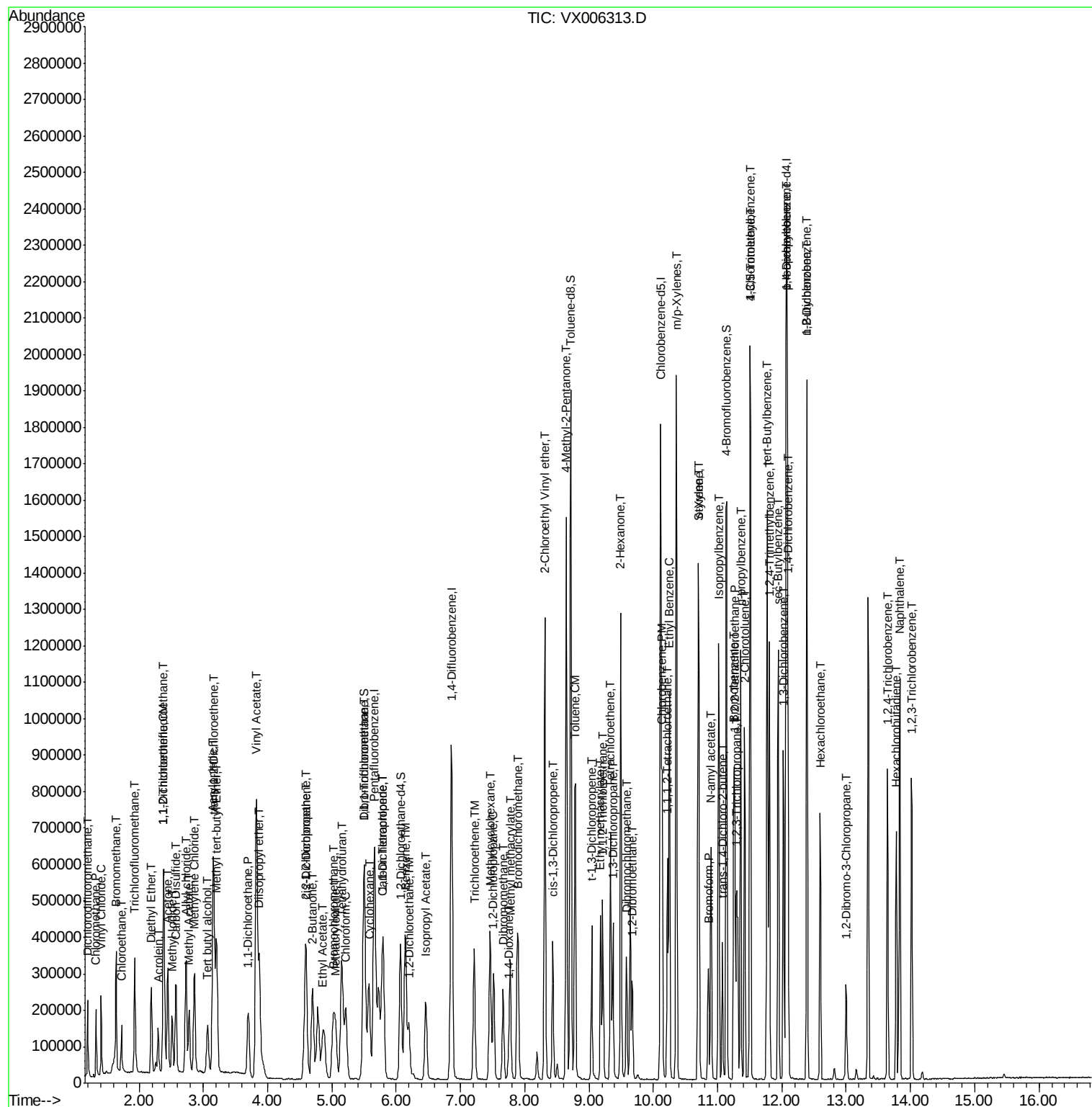
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	212752	18.968	ug/l	99
94) Hexachlorobutadiene	13.78	225	99250	20.009	ug/l	100
95) Naphthalene	13.83	128	685689	19.653	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	212766	19.152	ug/l	99

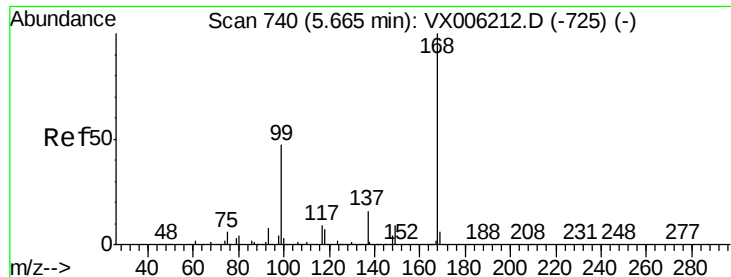
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampled :

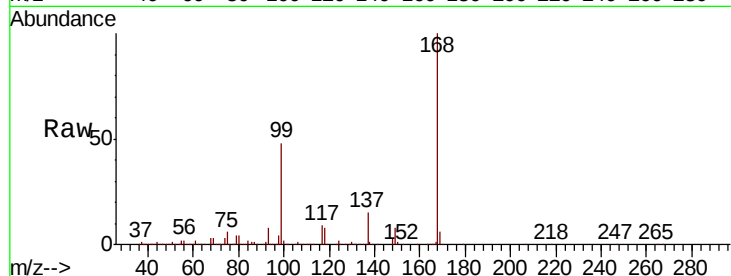
VX1206WBS01

Tot Ion:168 Resp: 679334

Ion Ratio Lower Upper

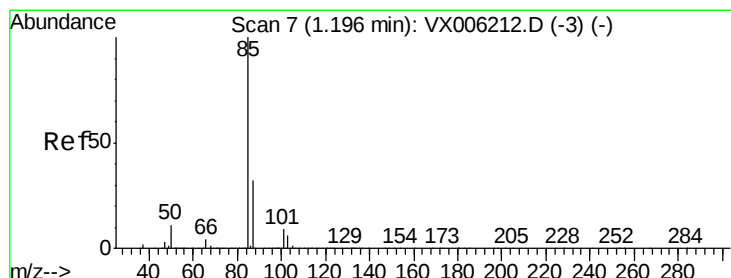
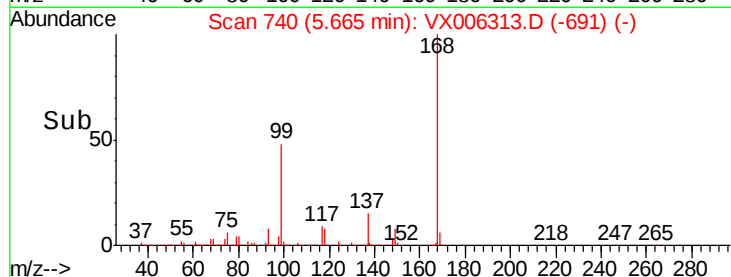
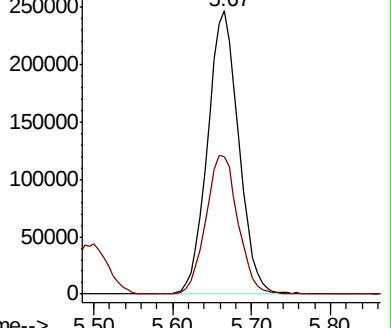
168 100

99 48.3 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.424 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006313.D

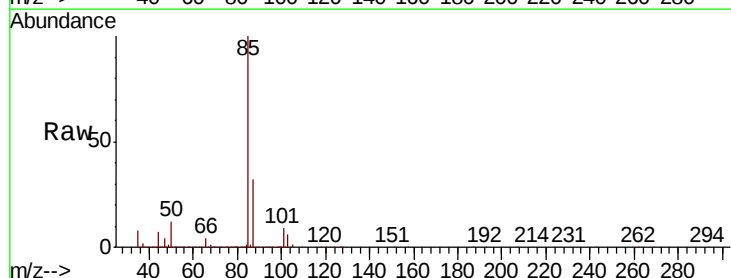
Acq: 06 Dec 2018 12:58

Tgt Ion: 85 Resp: 129202

Ion Ratio Lower Upper

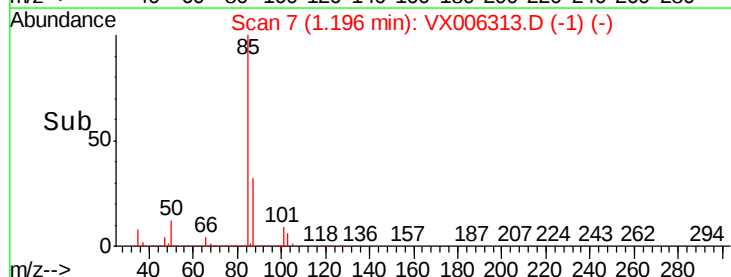
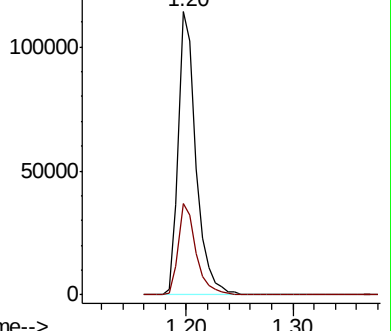
85 100

87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.102 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

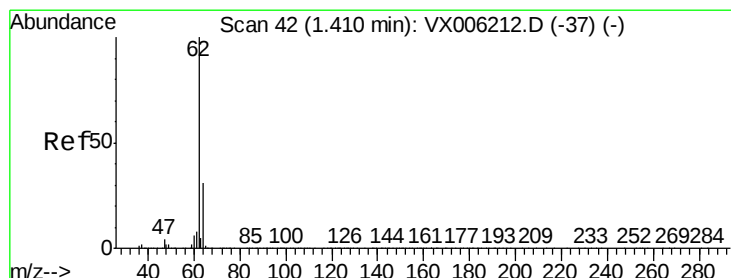
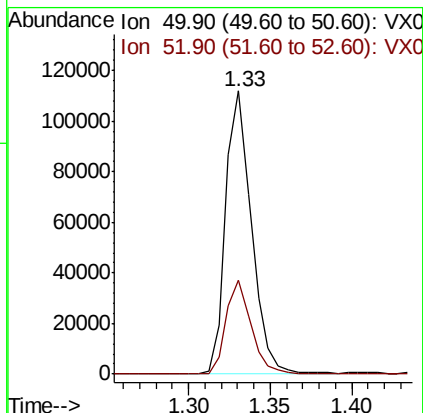
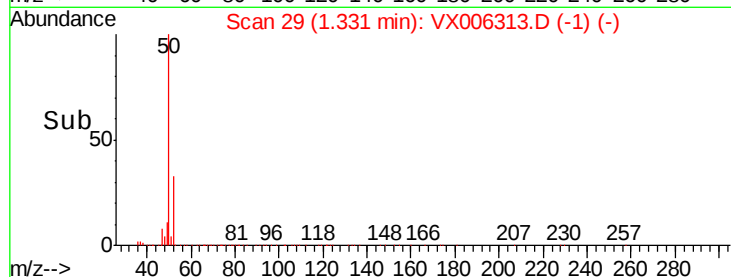
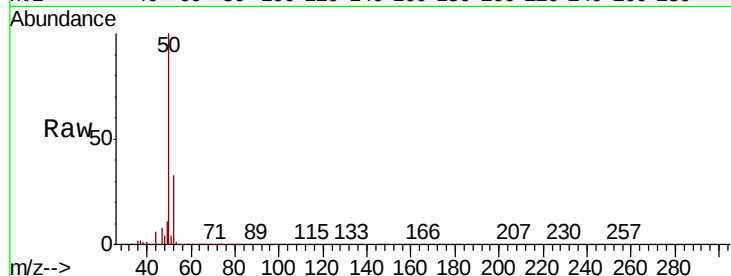
VX1206WBS01

Tot Ion: 50 Resp: 123737

Ion Ratio Lower Upper

50 100

52 33.1 25.2 37.8



#4

Vinyl Chloride

Concen: 18.505 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006313.D

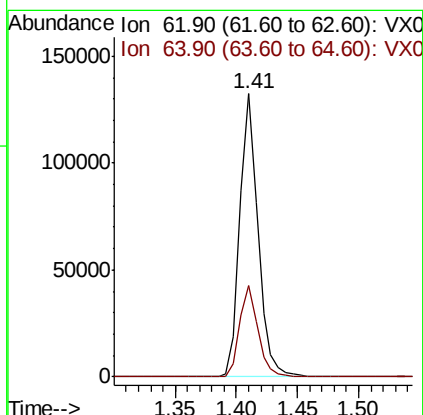
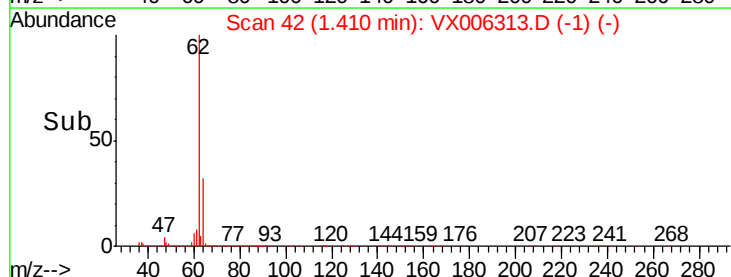
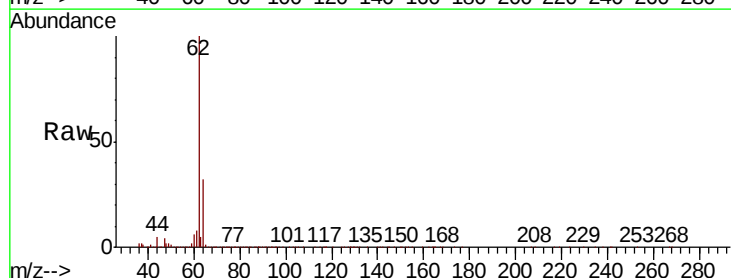
Acq: 06 Dec 2018 12:58

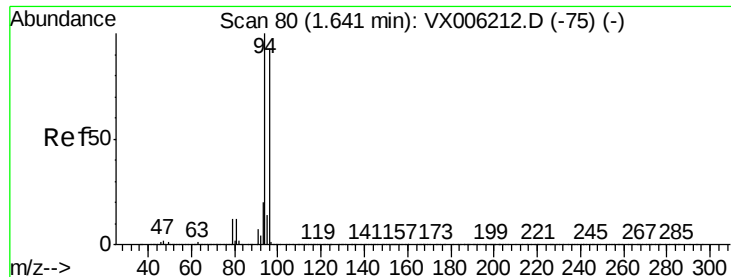
Tgt Ion: 62 Resp: 136138

Ion Ratio Lower Upper

62 100

64 32.2 24.9 37.3





#5

Bromomethane

Concen: 19.049 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

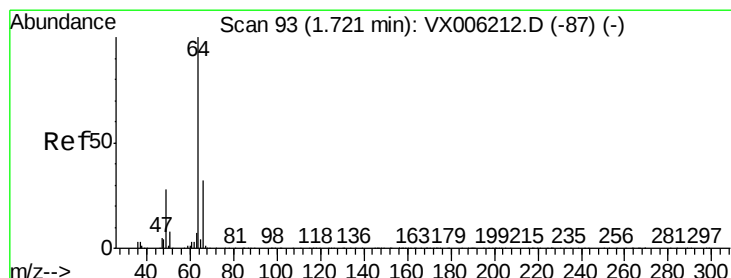
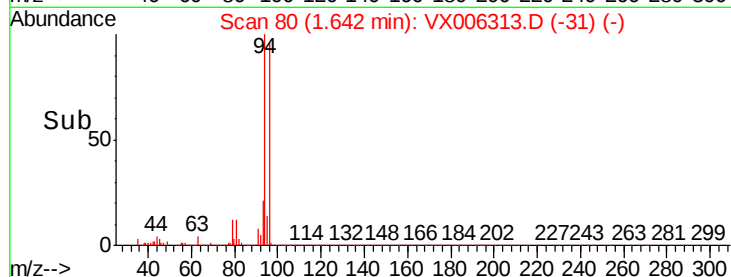
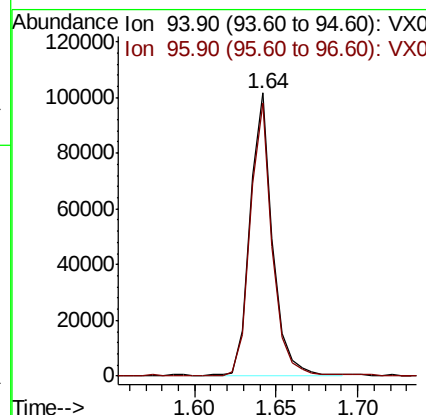
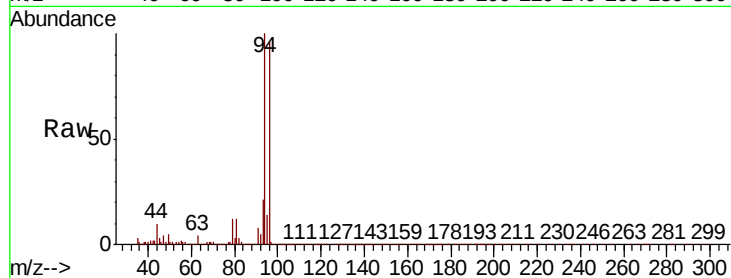
VX1206WBS01

Tot Ion: 94 Resp: 97121

Ion Ratio Lower Upper

94 100

96 96.2 74.5 111.7



#6

Chloroethane

Concen: 19.383 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006313.D

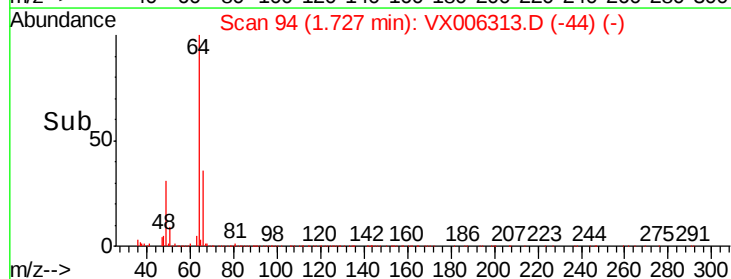
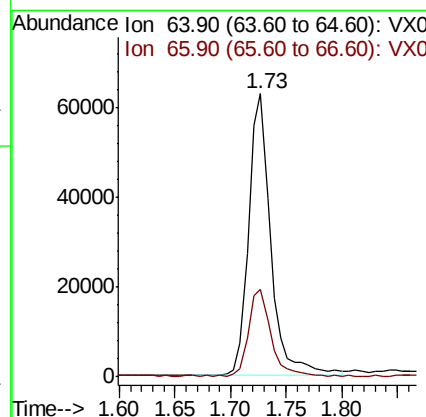
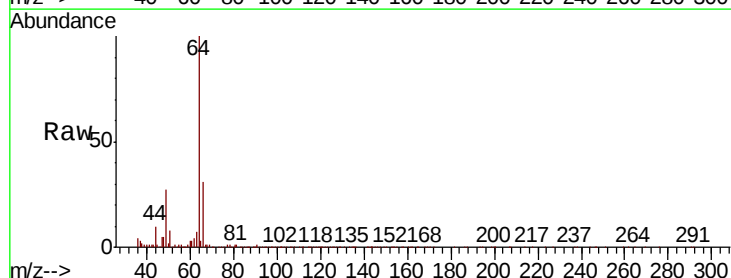
Acq: 06 Dec 2018 12:58

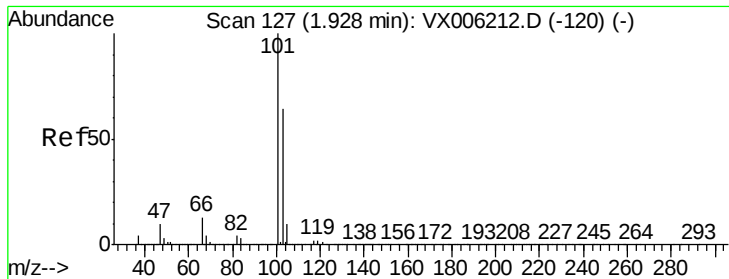
Tgt Ion: 64 Resp: 87431

Ion Ratio Lower Upper

64 100

66 30.8 25.9 38.9



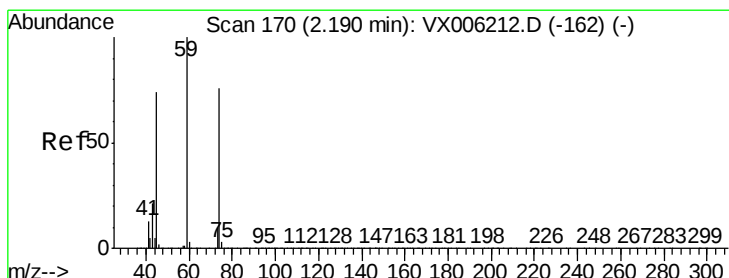
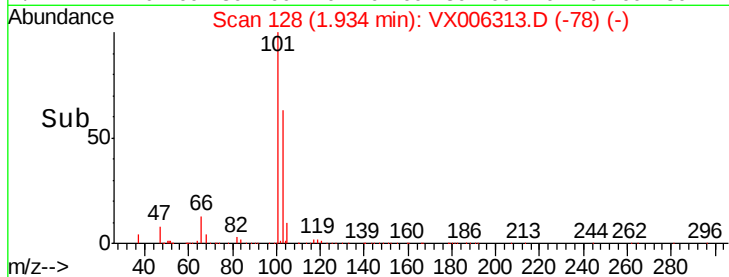
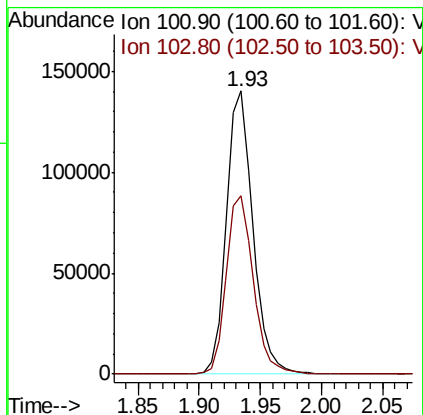
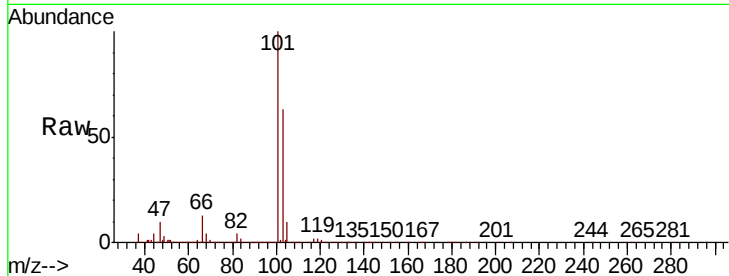


#7

Trichlorofluoromethane
 Concen: 18.571 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX006313.D
 Acq: 06 Dec 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBS01

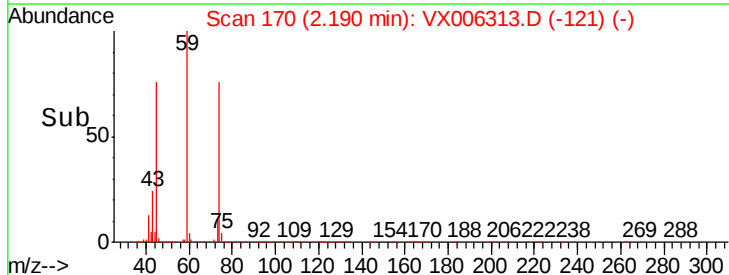
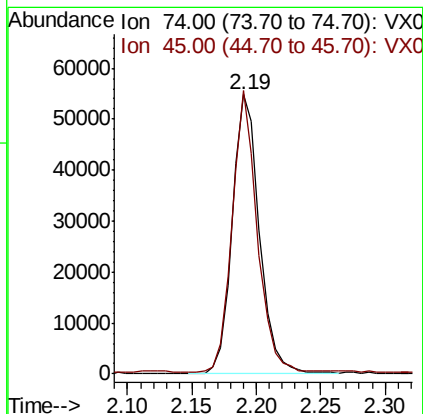
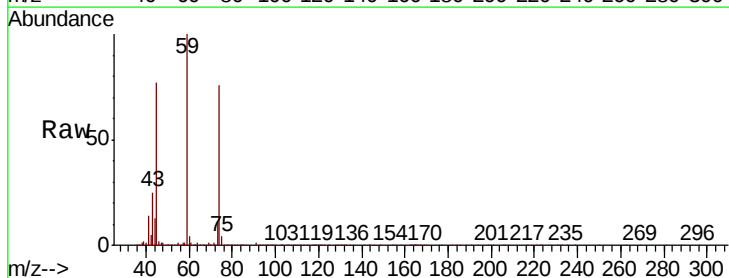
Tot Ion:101 Resp: 209716
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.0 76.4

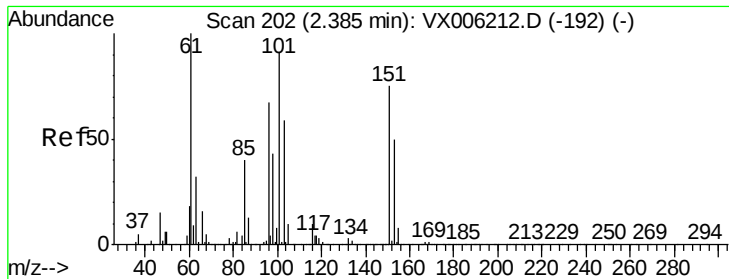


#8

Diethyl Ether
 Concen: 18.927 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX006313.D
 Acq: 06 Dec 2018 12:58

Tgt Ion: 74 Resp: 80890
 Ion Ratio Lower Upper
 74 100
 45 93.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.742 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBS01

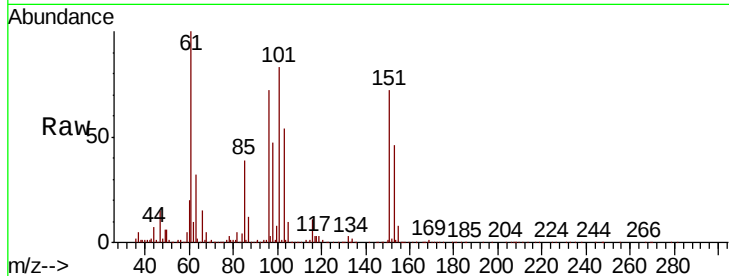
Tot Ion:101 Resp: 120348

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

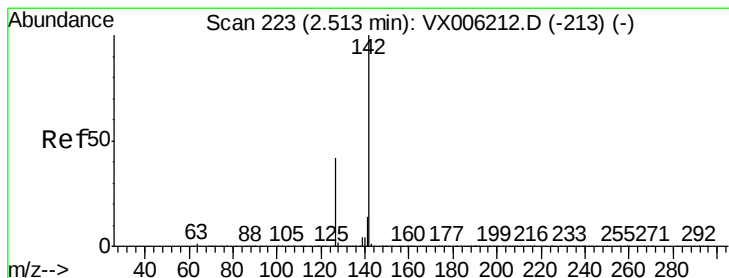
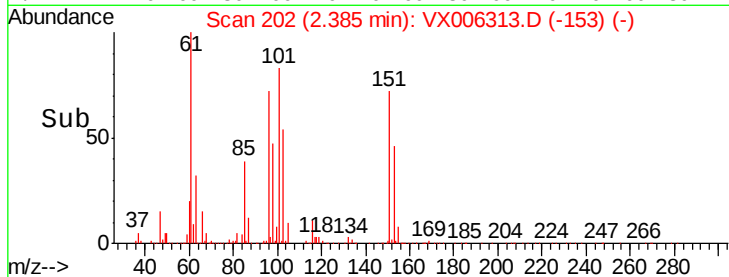
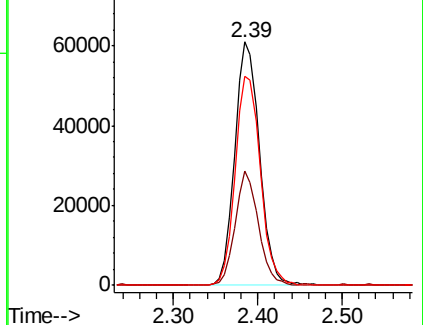
151 87.4 68.6 103.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.377 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

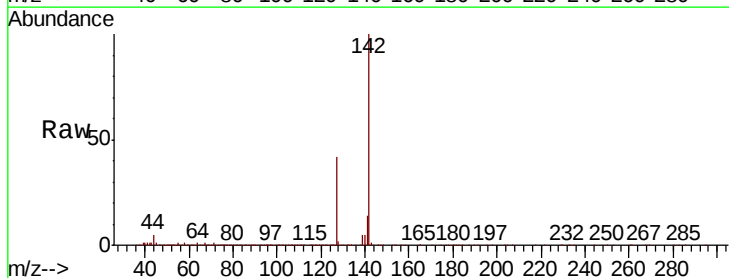
Tgt Ion:142 Resp: 158481

Ion Ratio Lower Upper

142 100

127 42.6 34.8 52.2

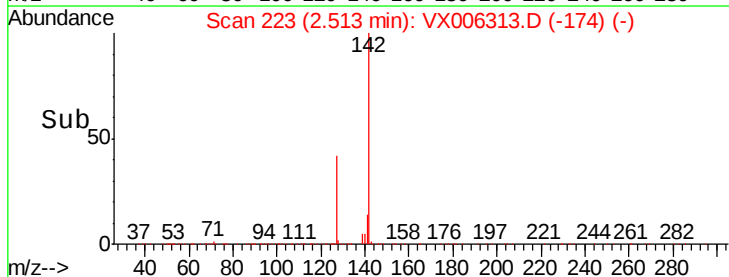
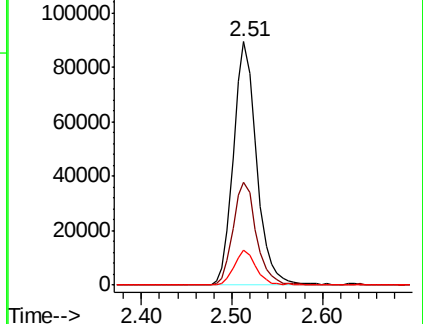
141 13.8 11.4 17.2

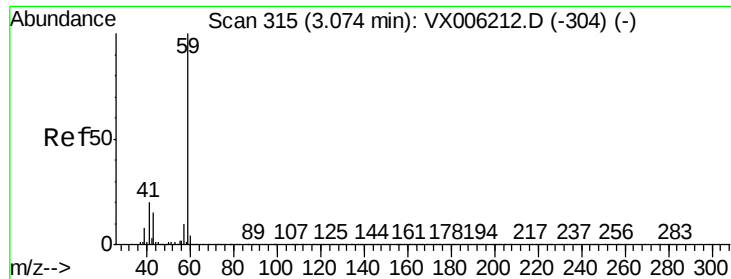


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

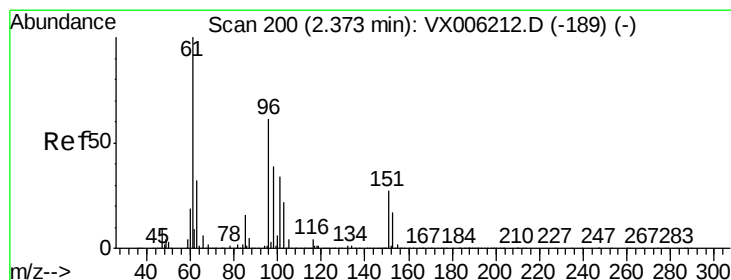
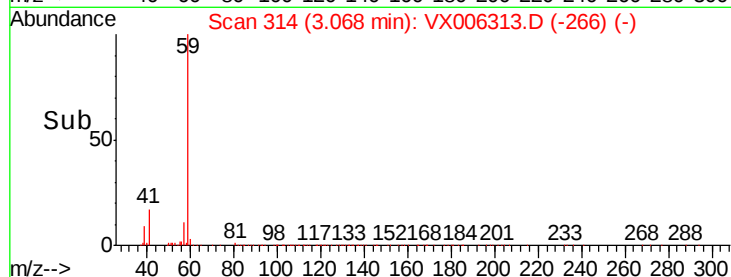
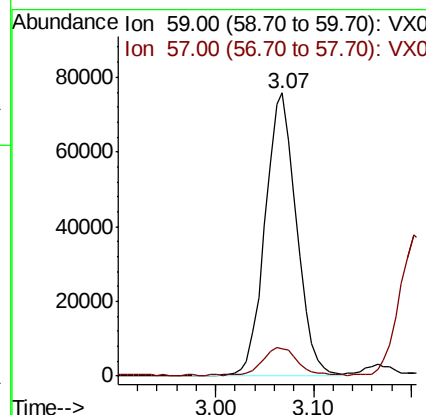
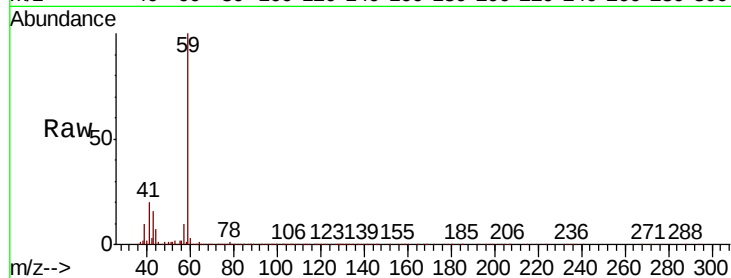




#11
Tert butyl alcohol
Concen: 89.839 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

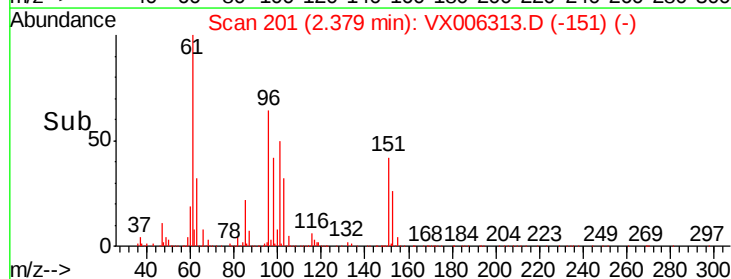
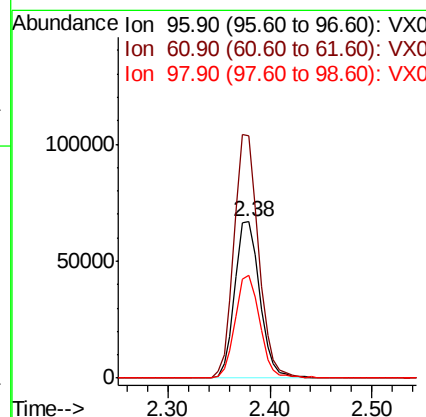
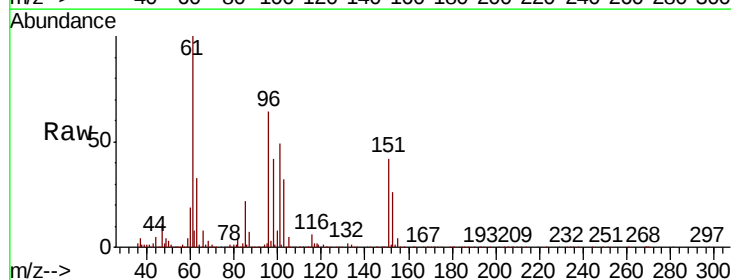
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBS01

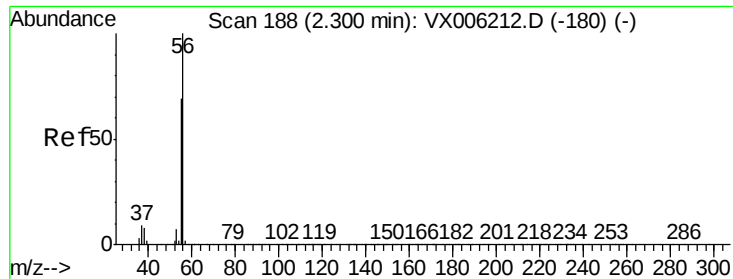
Tot Ion: 59 Resp: 170383
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.2



#12
1,1-Dichloroethene
Concen: 18.447 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

Tgt Ion: 96 Resp: 113395
Ion Ratio Lower Upper
96 100
61 155.5 131.7 197.5
98 66.0 51.8 77.6





#13

Acrolein

Concen: 89.128 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

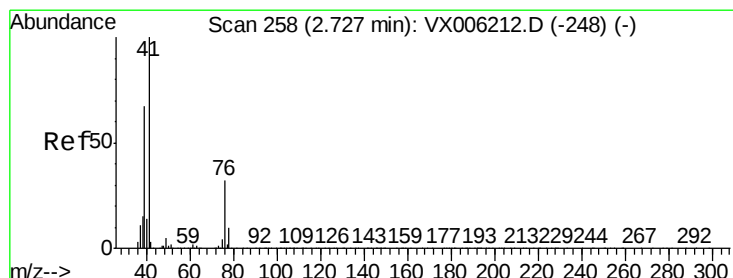
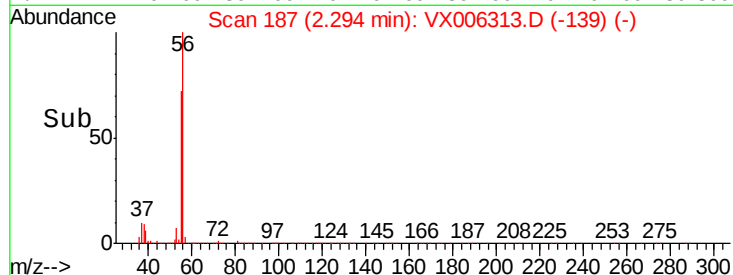
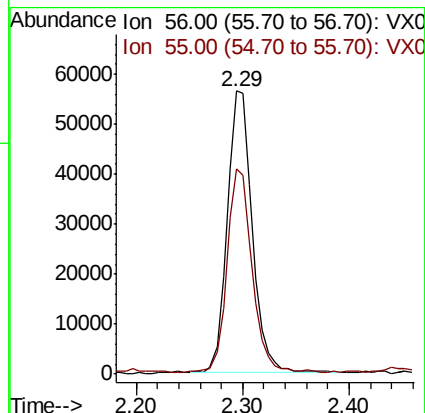
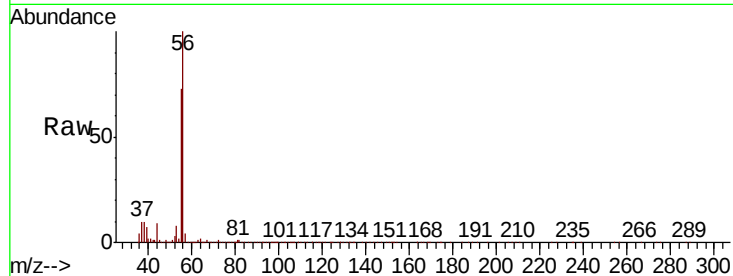
VX1206WBS01

Tot Ion: 56 Resp: 92388

Ion Ratio Lower Upper

56 100

55 72.2 57.8 86.6



#14

Allyl chloride

Concen: 17.697 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

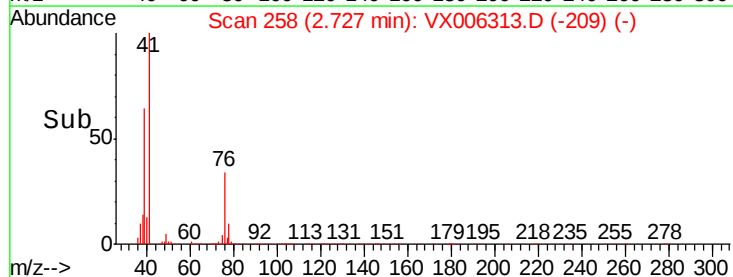
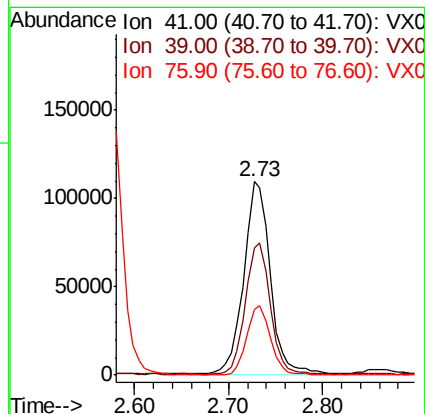
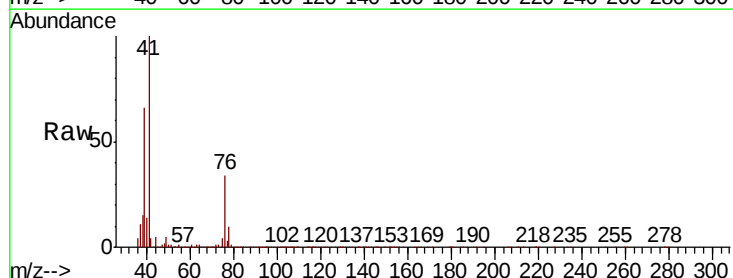
Tgt Ion: 41 Resp: 214890

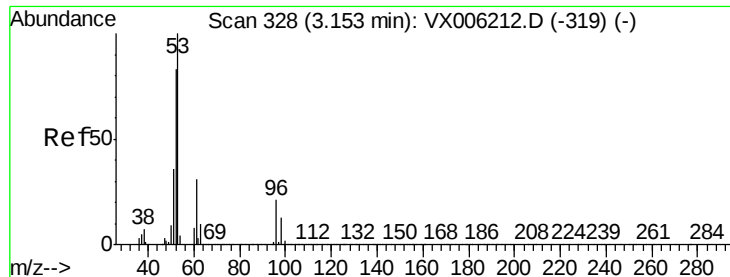
Ion Ratio Lower Upper

41 100

39 64.1 52.4 78.6

76 32.4 25.4 38.0





#15

Acrylonitrile

Concen: 91.897 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBS01

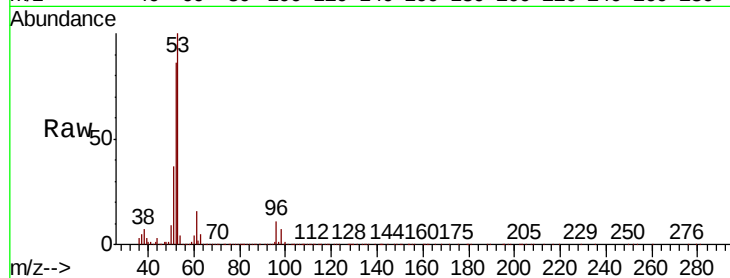
Tot Ion: 53 Resp: 363693

Ion Ratio Lower Upper

53 100

52 82.4 66.2 99.4

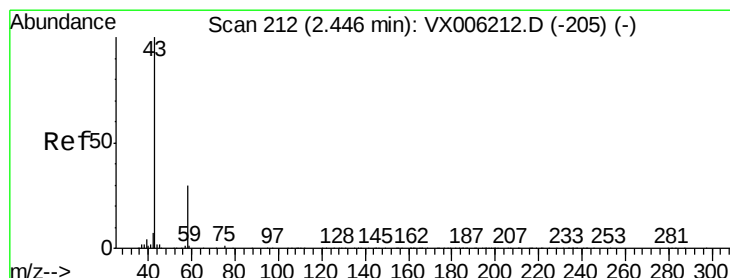
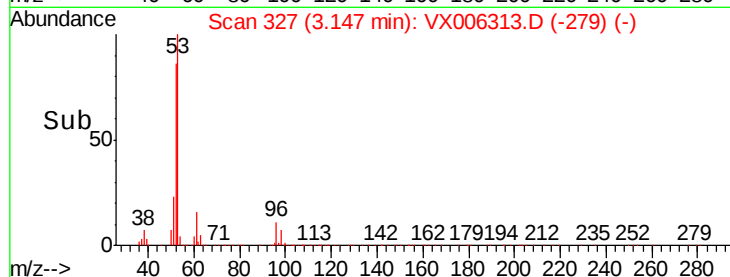
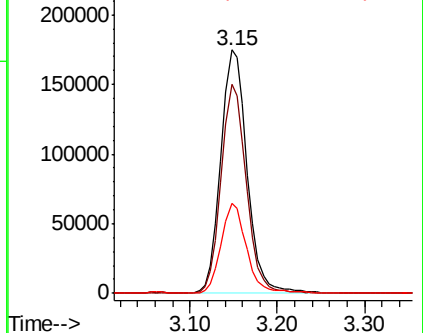
51 35.8 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 90.802 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006313.D

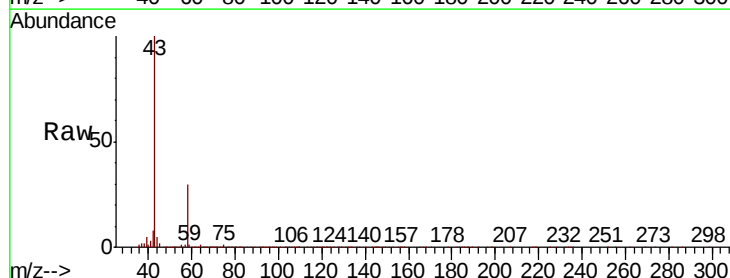
Acq: 06 Dec 2018 12:58

Tgt Ion: 43 Resp: 295517

Ion Ratio Lower Upper

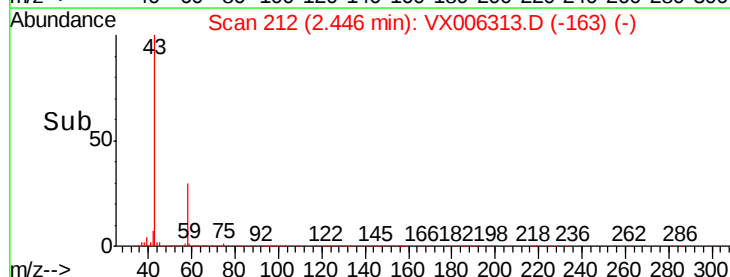
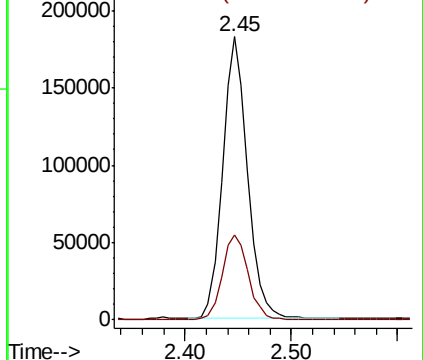
43 100

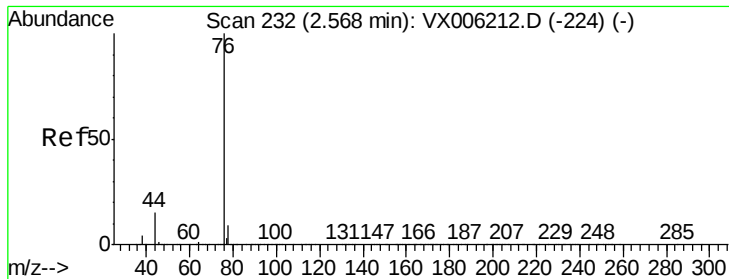
58 30.2 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 16.293 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

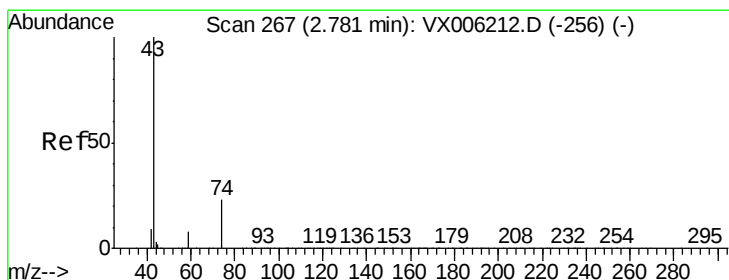
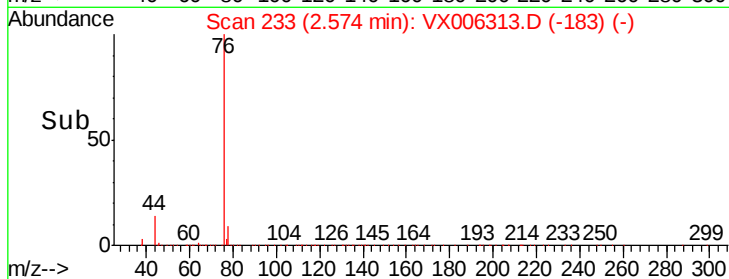
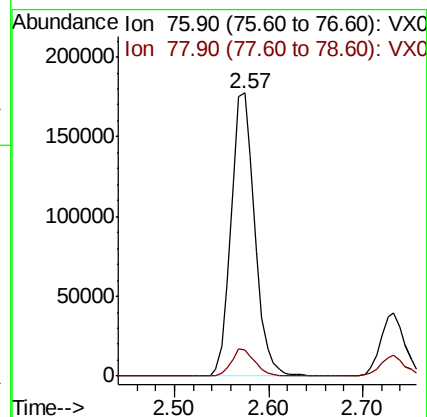
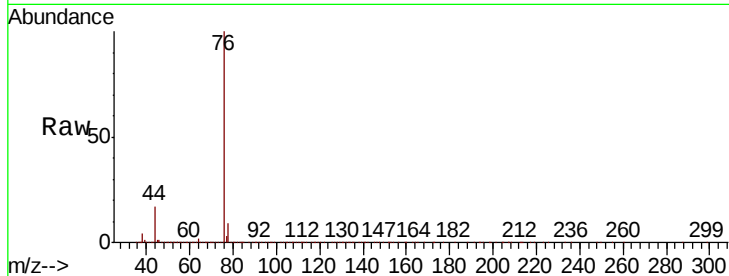
VX1206WBS01

Tot Ion: 76 Resp: 308619

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



#18

Methyl Acetate

Concen: 18.914 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006313.D

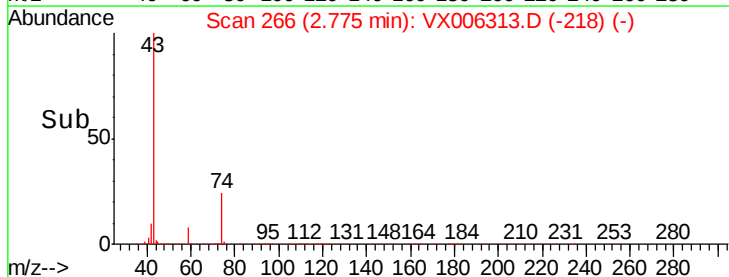
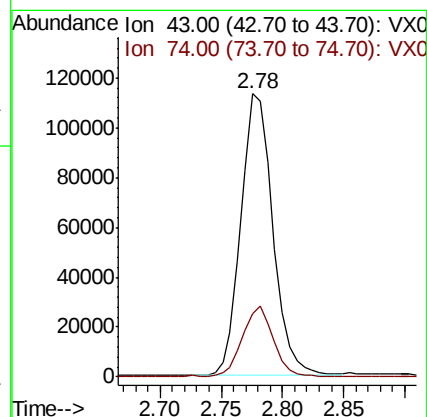
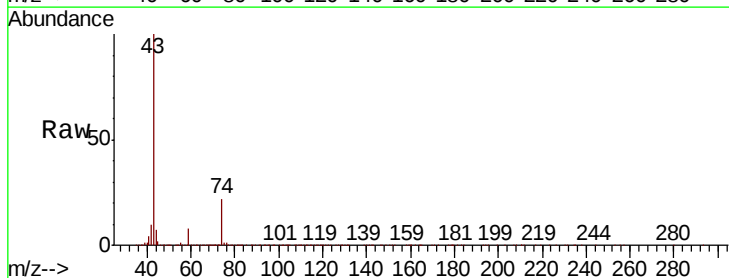
Acq: 06 Dec 2018 12:58

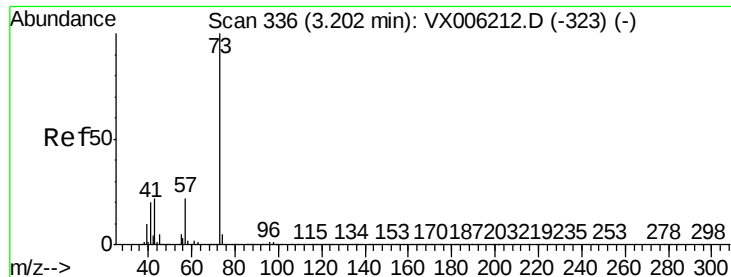
Tgt Ion: 43 Resp: 205855

Ion Ratio Lower Upper

43 100

74 24.3 17.9 26.9



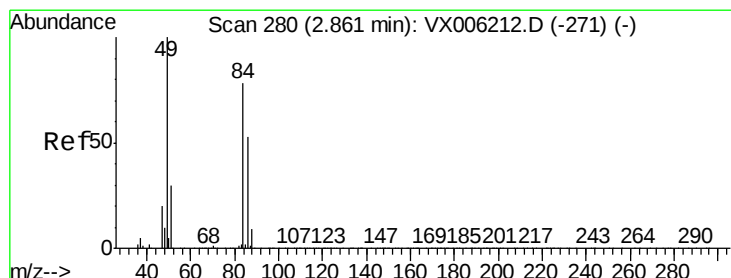
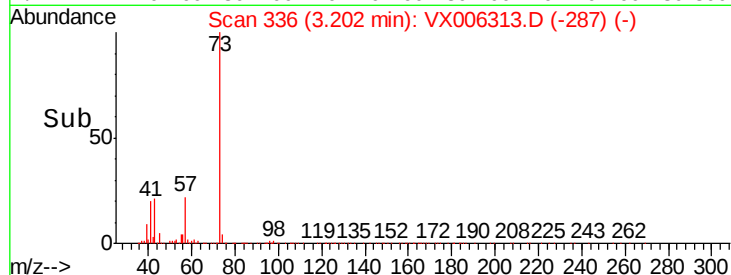
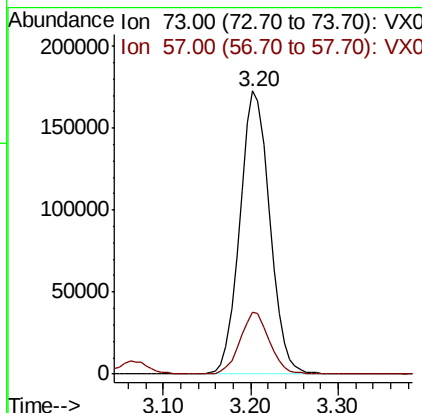
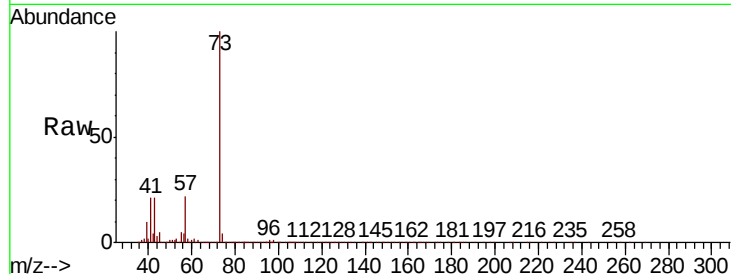


#19

Methyl tert-butyl Ether
 Concen: 18.678 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX006313.D
 Acq: 06 Dec 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBS01

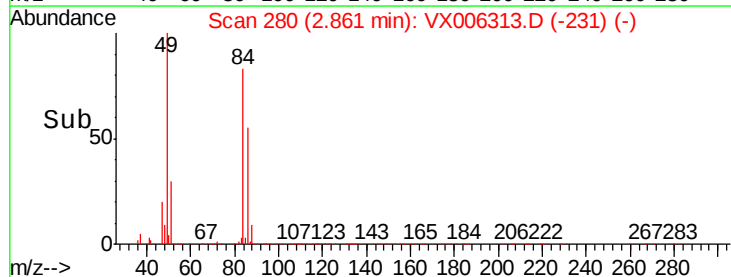
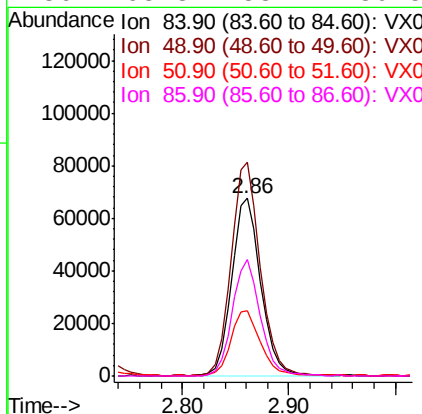
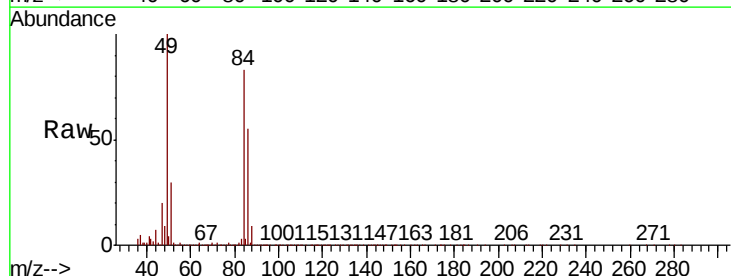
Tot Ion: 73 Resp: 409587
 Ion Ratio Lower Upper
 73 100
 57 21.6 17.5 26.3

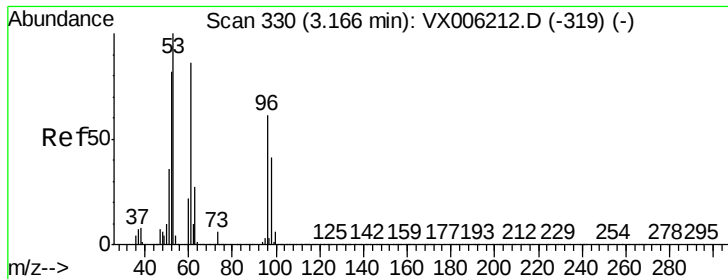


#20

Methylene Chloride
 Concen: 18.744 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX006313.D
 Acq: 06 Dec 2018 12:58

Tgt Ion: 84 Resp: 129827
 Ion Ratio Lower Upper
 84 100
 49 120.2 102.2 153.4
 51 36.2 31.1 46.7
 86 65.8 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 17.888 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBS01

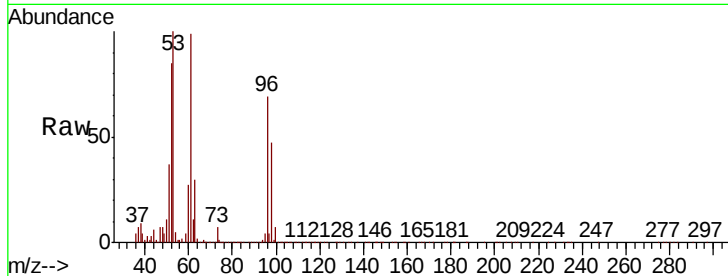
Tot Ion: 96 Resp: 117180

Ion Ratio Lower Upper

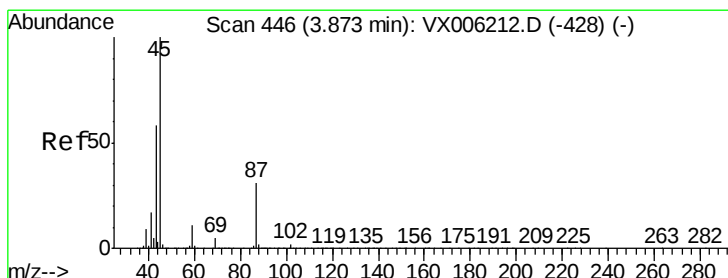
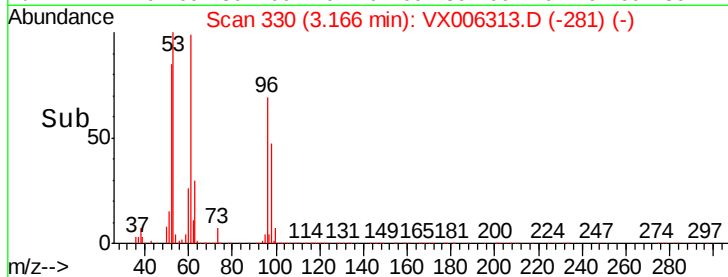
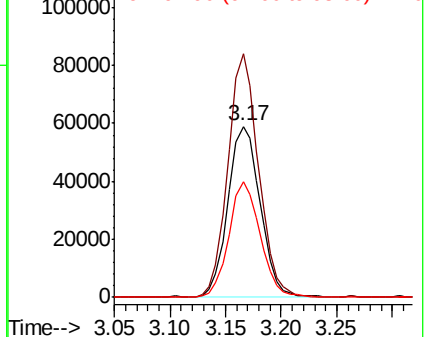
96 100

61 142.4 113.3 169.9

98 67.2 53.2 79.8



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



#22

Diisopropyl ether

Concen: 19.240 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Tgt Ion: 45 Resp: 364925

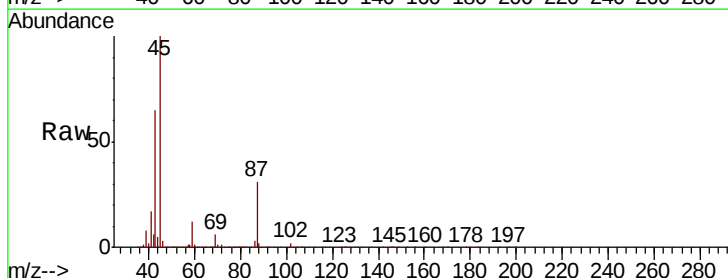
Ion Ratio Lower Upper

45 100

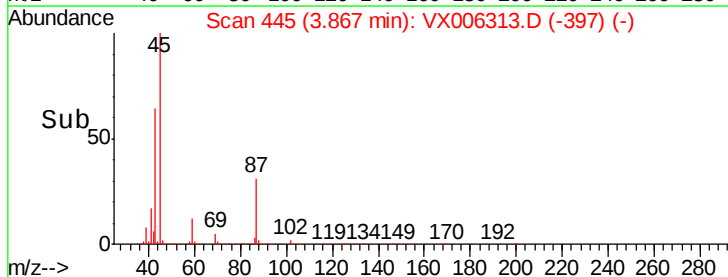
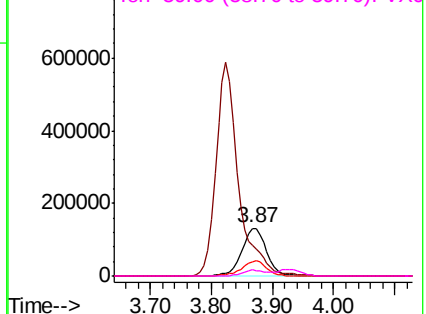
43 64.6 46.2 69.2

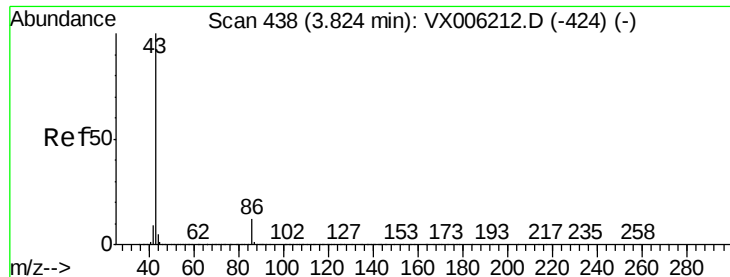
87 30.8 24.9 37.3

59 12.2 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 93.658 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

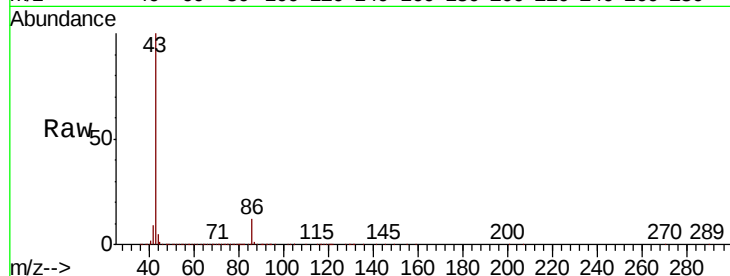
VX1206WBS01

Tot Ion: 43 Resp: 1515100

Ion Ratio Lower Upper

43 100

86 11.7 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

600000

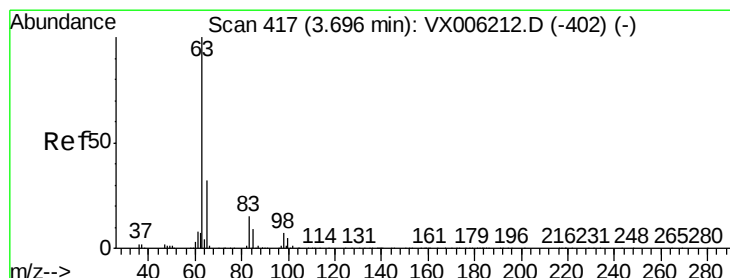
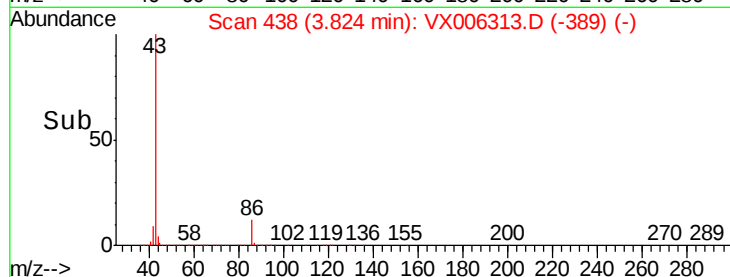
400000

200000

0

3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.104 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

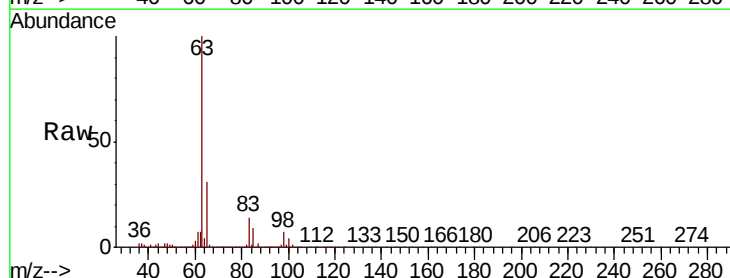
Tgt Ion: 63 Resp: 207105

Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.4

100 4.5 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

100000

80000

60000

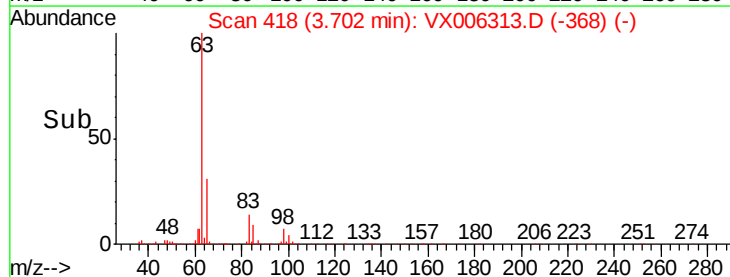
40000

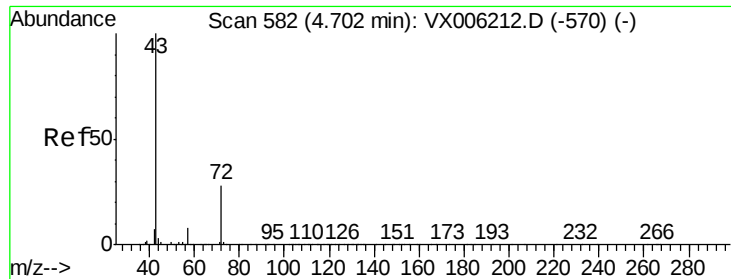
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 94.117 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

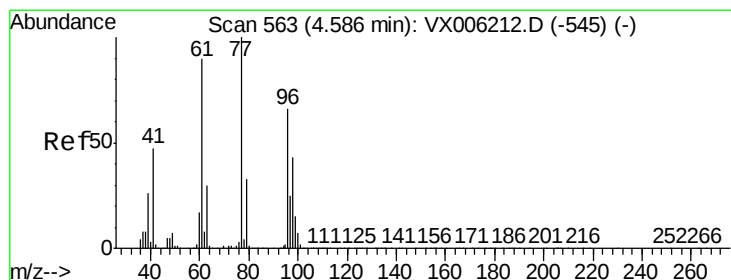
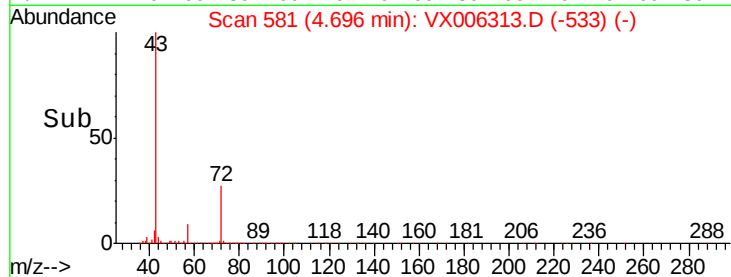
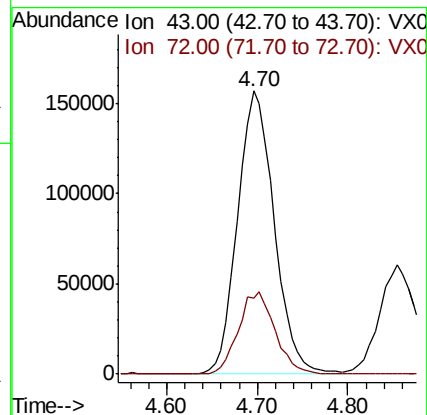
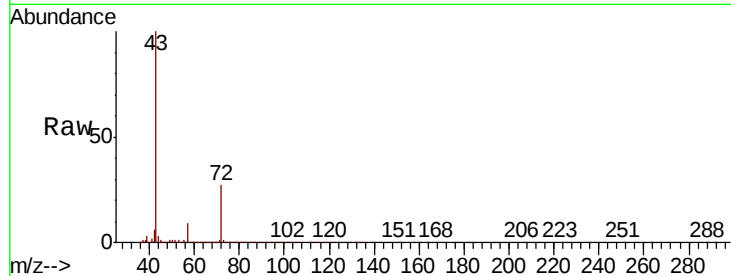
VX1206WBS01

Tot Ion: 43 Resp: 437054

Ion Ratio Lower Upper

43 100

72 26.8 22.6 33.8



#26

2,2-Dichloropropane

Concen: 19.042 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006313.D

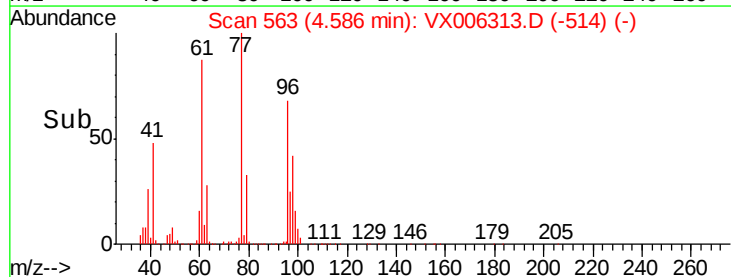
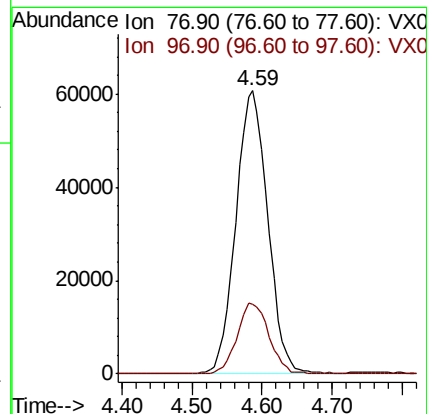
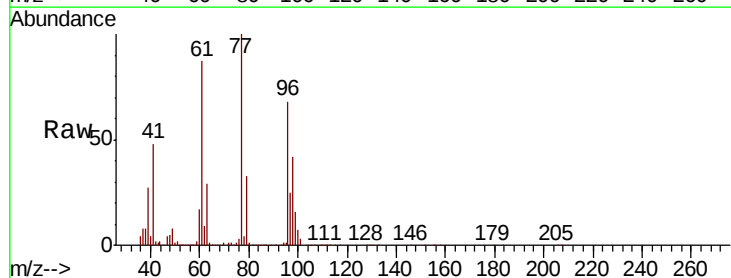
Acq: 06 Dec 2018 12:58

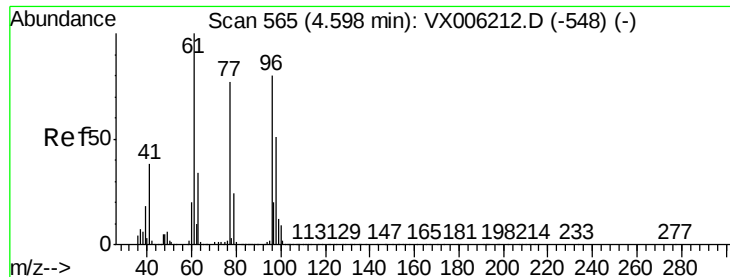
Tgt Ion: 77 Resp: 190515

Ion Ratio Lower Upper

77 100

97 25.2 12.3 36.8



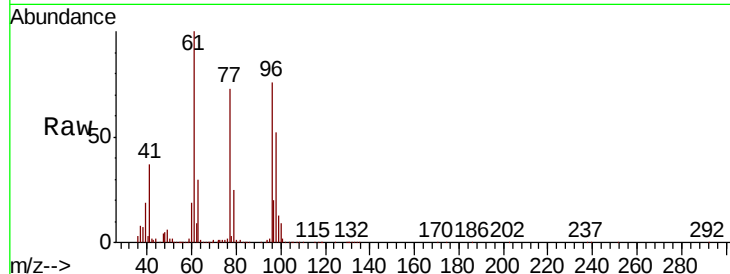


#27

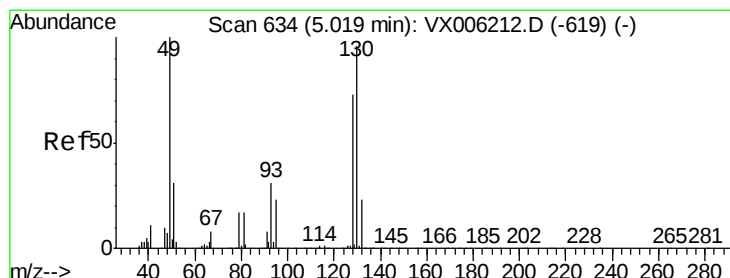
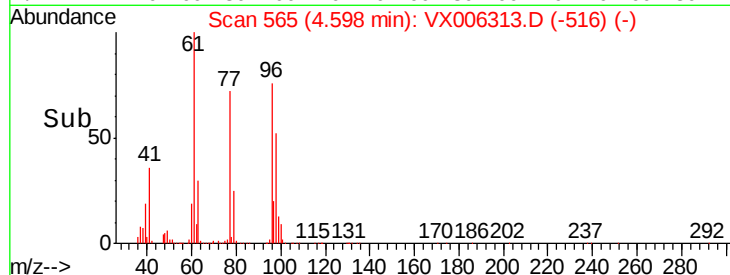
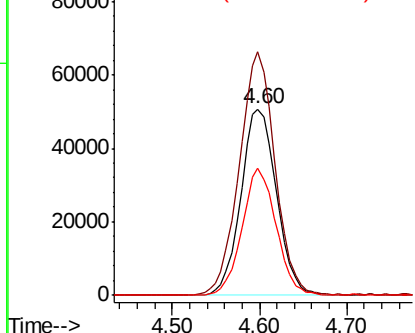
cis-1,2-Dichloroethene
Concen: 19.642 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX1206WBS01

Tot Ion: 96 Resp: 143523
Ion Ratio Lower Upper
96 100
61 131.0 0.0 265.0
98 65.1 0.0 130.2



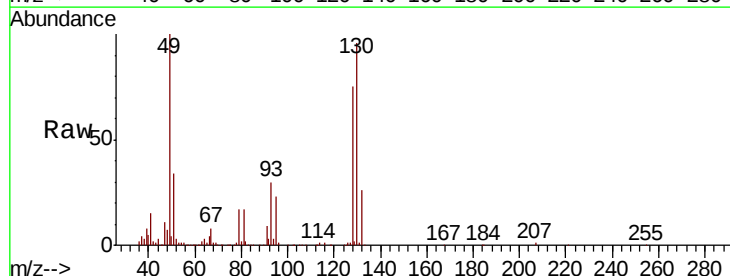
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



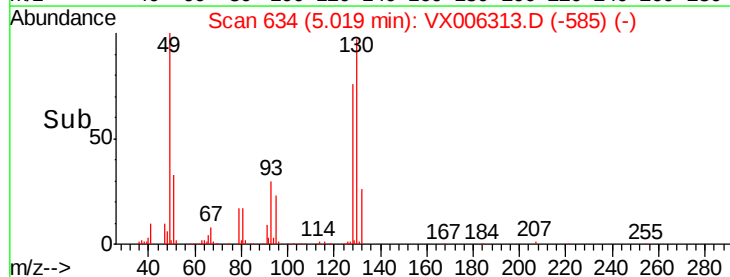
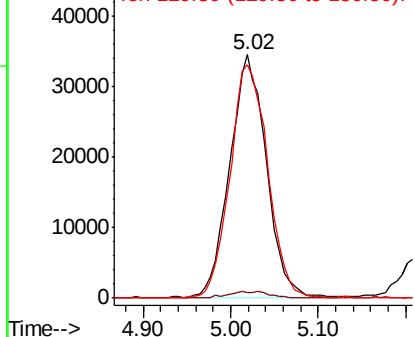
#28

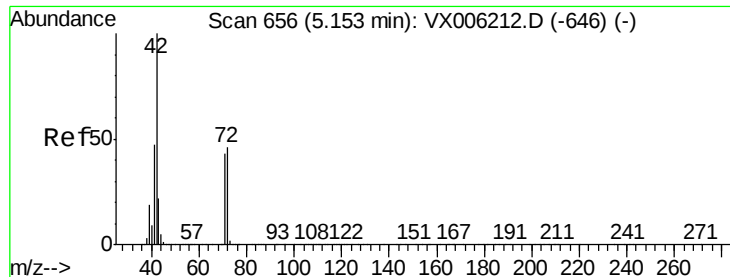
Bromochloromethane
Concen: 21.245 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

Tgt Ion: 49 Resp: 100598
Ion Ratio Lower Upper
49 100
129 3.0 0.0 5.0
130 98.7 78.3 117.5



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





#29

Tetrahydrofuran

Concen: 92.492 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBS01

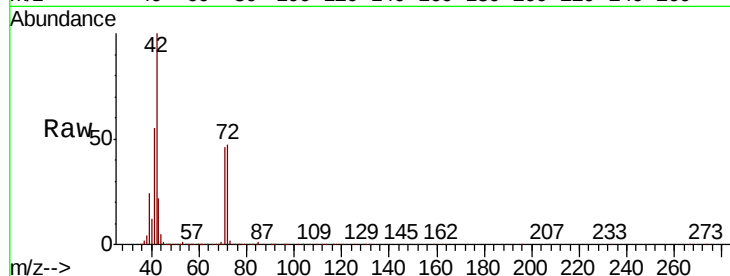
Tot Ion: 42 Resp: 298506

Ion Ratio Lower Upper

42 100

72 48.9 37.8 56.8

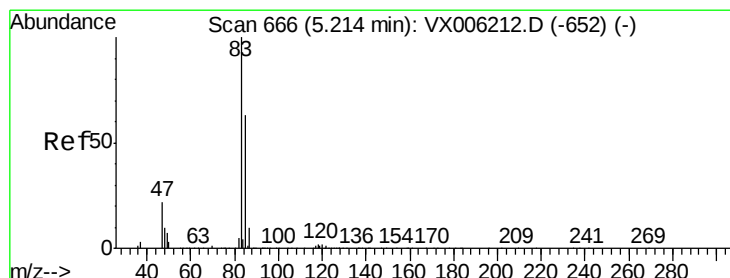
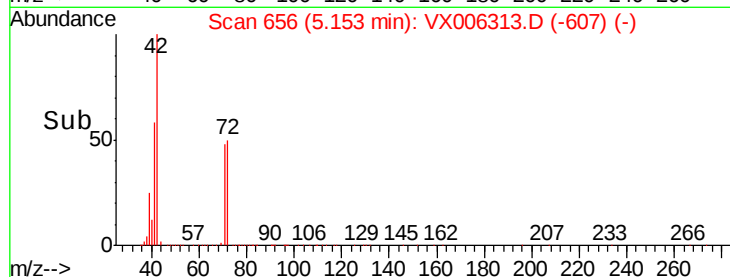
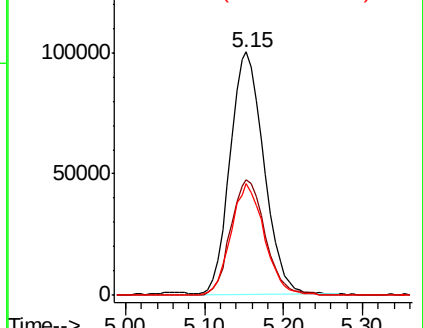
71 45.7 35.2 52.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 19.794 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX006313.D

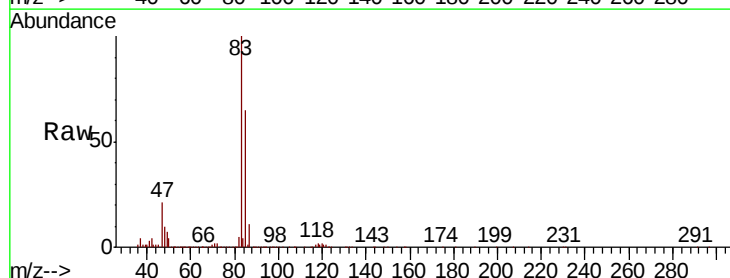
Acq: 06 Dec 2018 12:58

Tgt Ion: 83 Resp: 225497

Ion Ratio Lower Upper

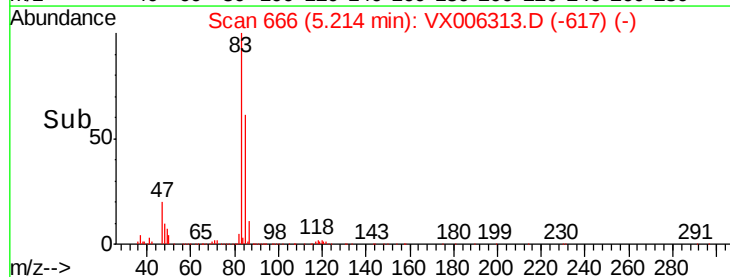
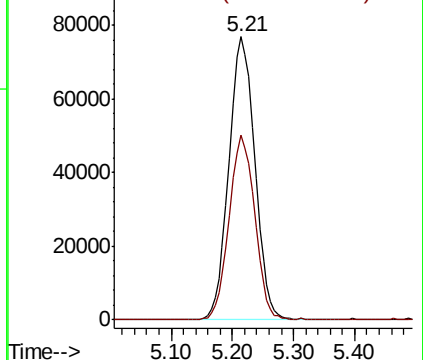
83 100

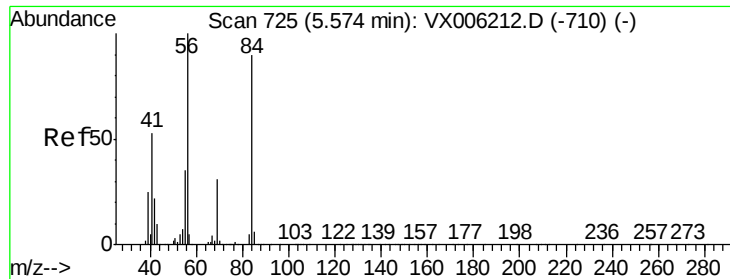
85 65.4 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

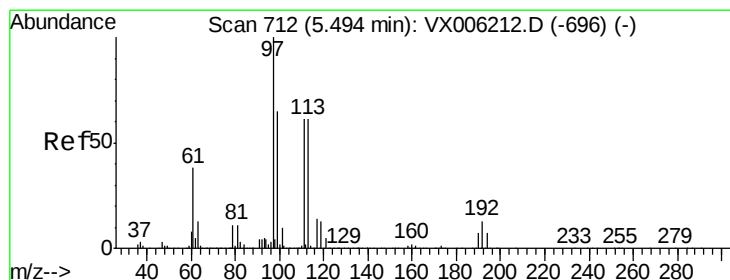
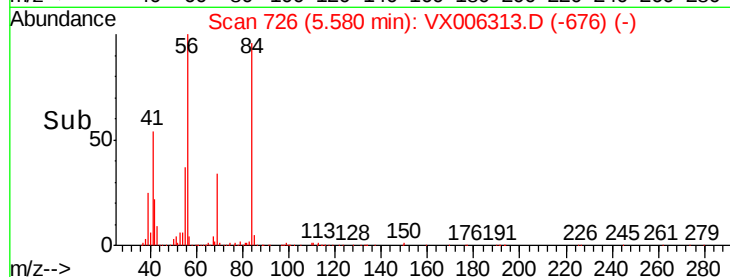
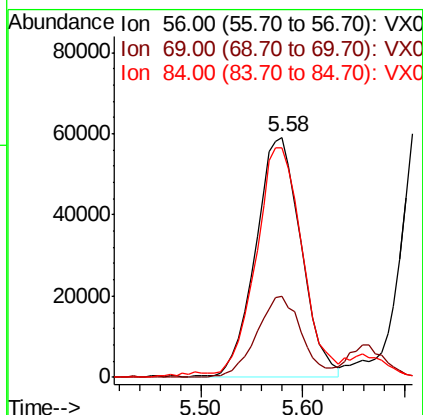
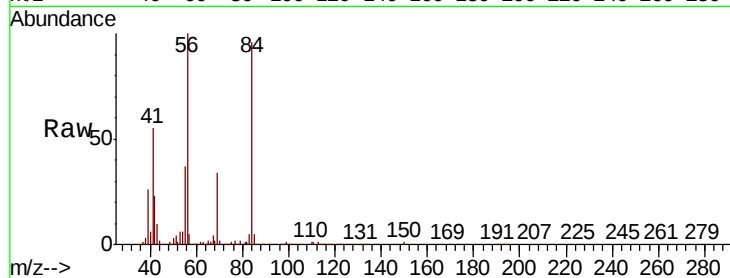




#31
Cyclohexane
Concen: 18.048 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

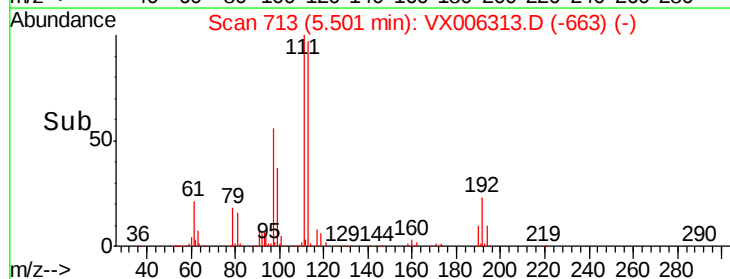
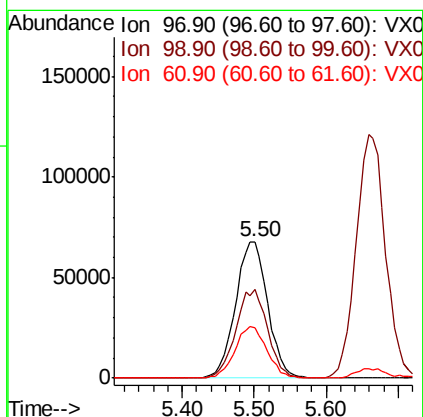
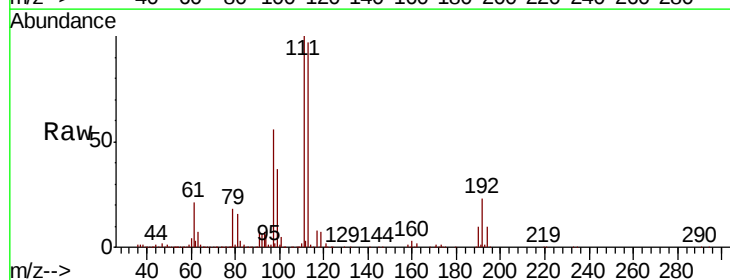
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBS01

Tot Ion: 56 Resp: 180818
Ion Ratio Lower Upper
56 100
69 33.5 24.5 36.7
84 94.7 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 19.384 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

Tgt Ion: 97 Resp: 210110
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 37.9 30.6 46.0





#33

1,2-Dichloroethane-d4

Concen: 49.420 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

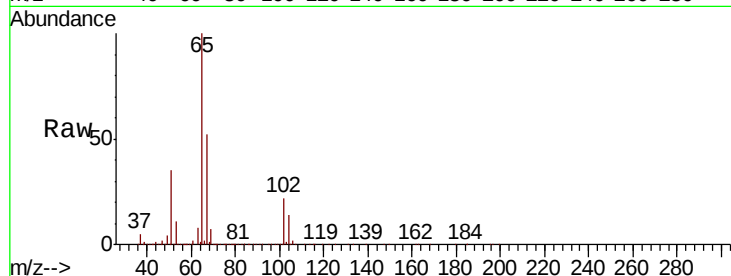
VX1206WBS01

Tot Ion: 65 Resp: 342724

Ion Ratio Lower Upper

65 100

67 54.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

150000

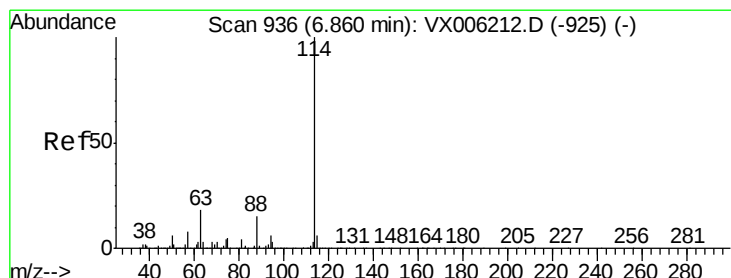
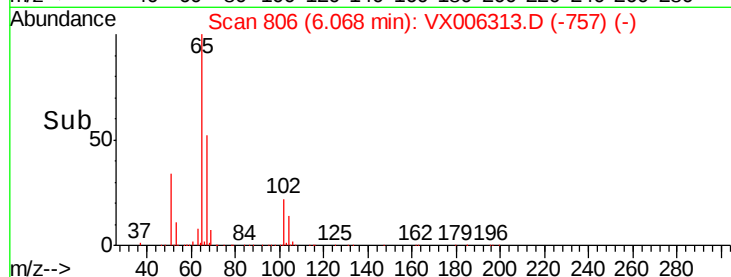
100000

50000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

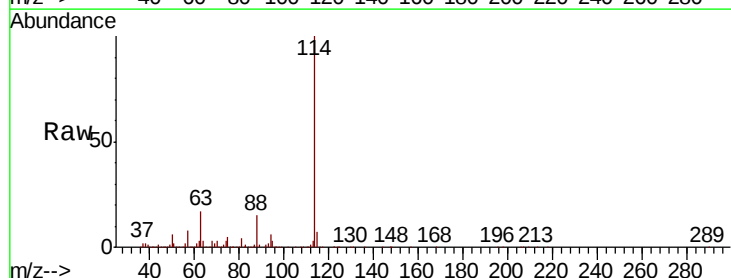
Tgt Ion: 114 Resp: 1015101

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

88 15.0 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

600000

500000

400000

300000

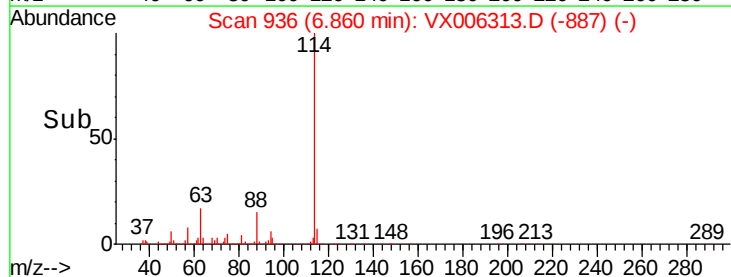
200000

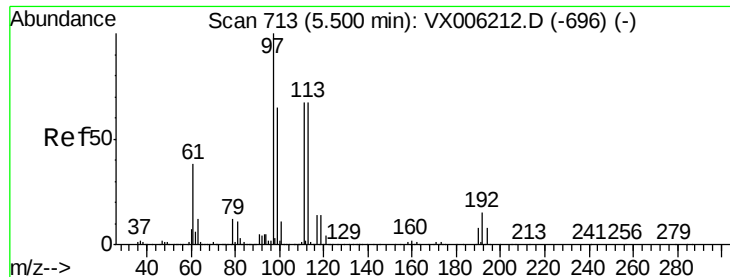
100000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 49.745 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBS01

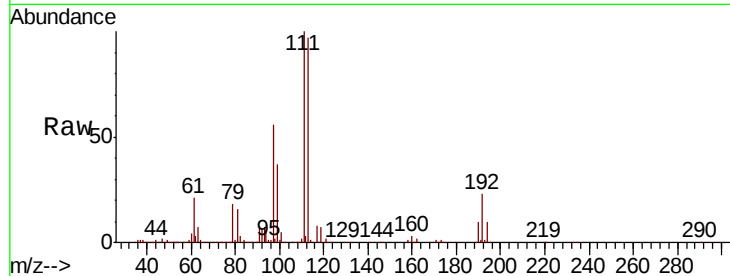
Tot Ion:113 Resp: 326943

Ion Ratio Lower Upper

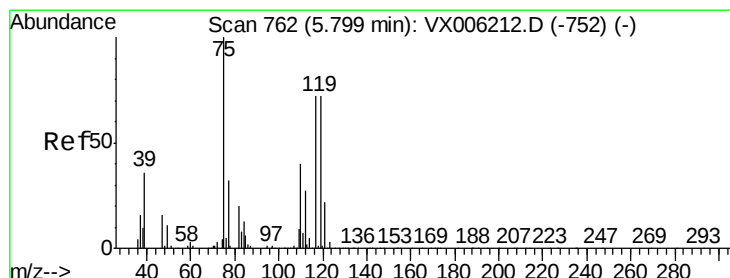
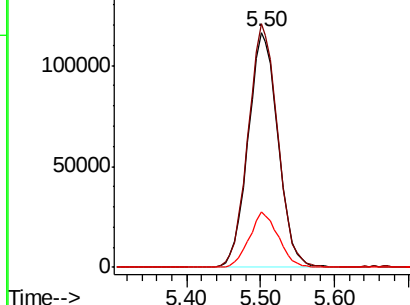
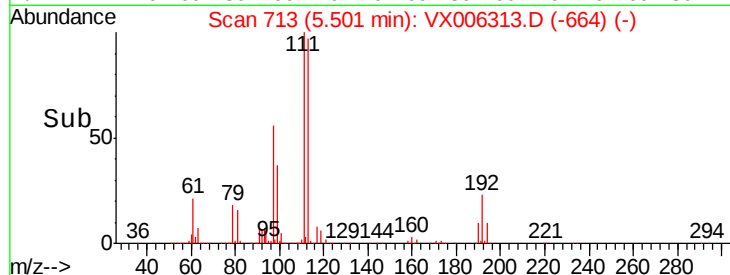
113 100

111 102.9 81.1 121.7

192 22.9 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.599 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

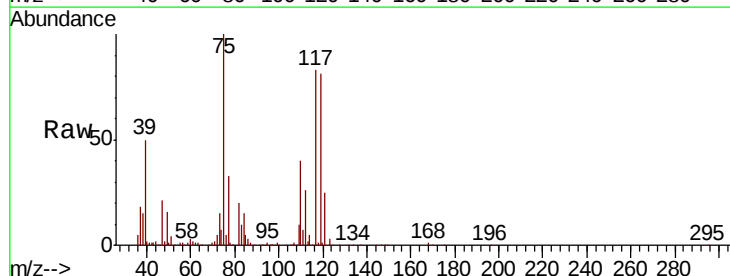
Tgt Ion: 75 Resp: 158984

Ion Ratio Lower Upper

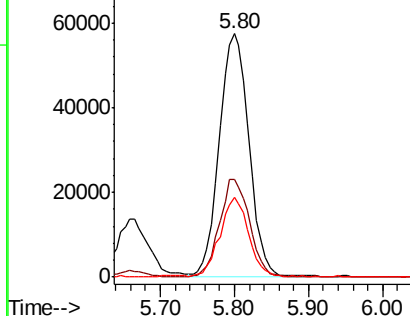
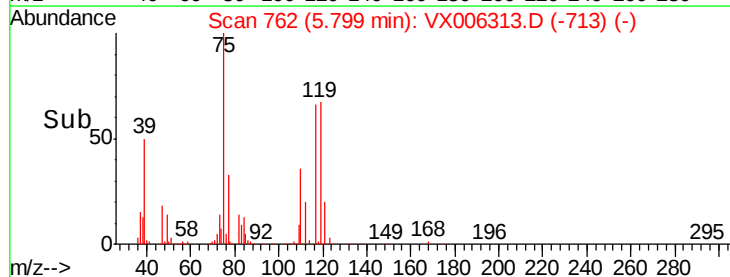
75 100

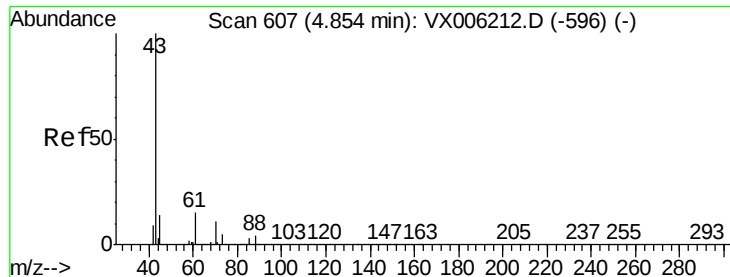
110 40.8 20.4 61.3

77 30.9 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

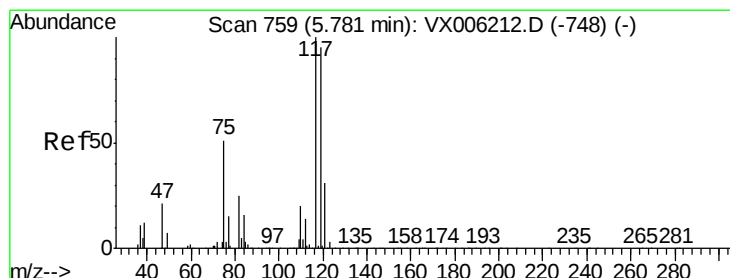
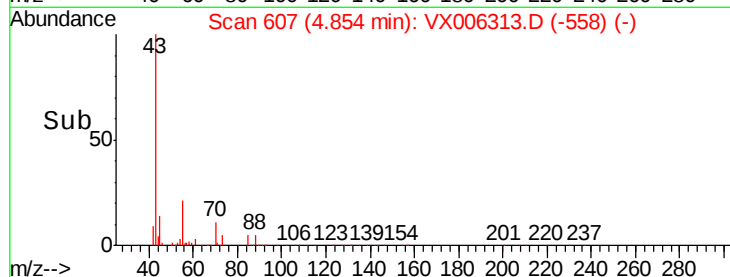
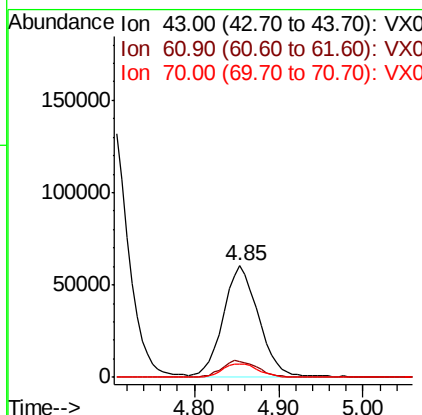
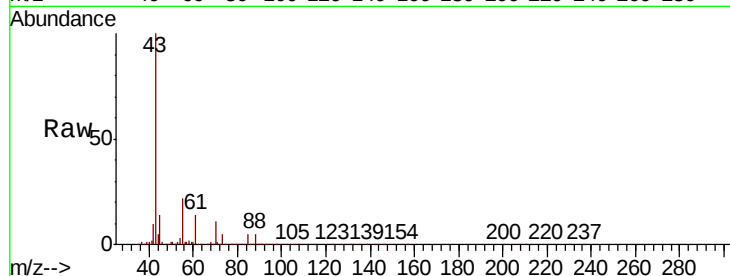




#37
Ethyl Acetate
Concen: 17.839 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

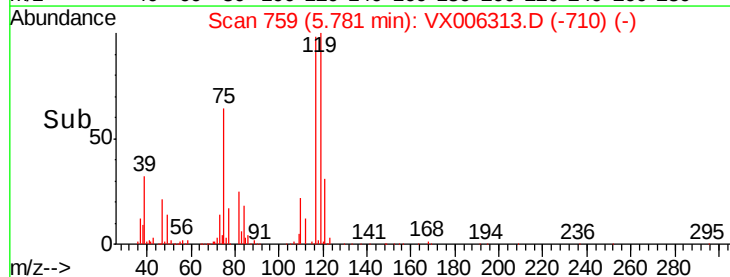
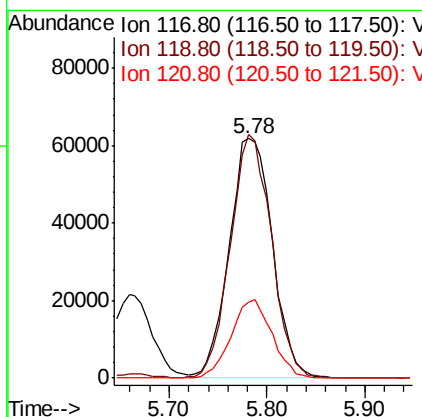
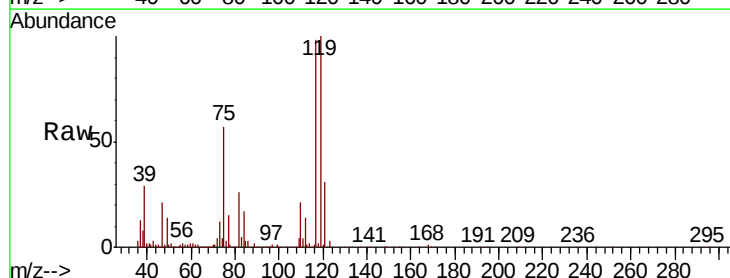
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBS01

Tot Ion: 43 Resp: 170773
Ion Ratio Lower Upper
43 100
61 15.0 11.5 17.3
70 12.6 9.0 13.6



#38
Carbon Tetrachloride
Concen: 18.755 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

Tgt Ion: 117 Resp: 188600
Ion Ratio Lower Upper
117 100
119 101.6 75.8 113.8
121 31.6 24.6 37.0

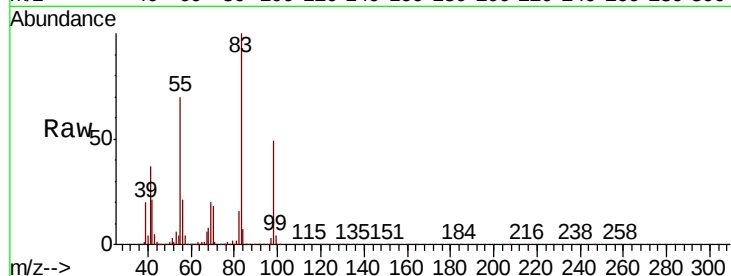




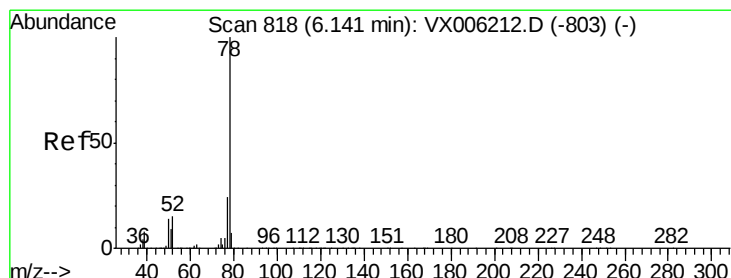
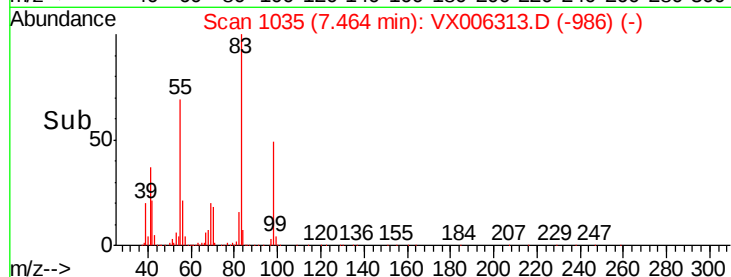
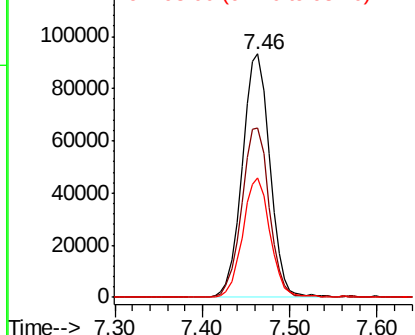
#39
Methvlcvclohexane
Concen: 18.404 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX1206WBS01

Tot Ion: 83 Resp: 204210
Ion Ratio Lower Upper
83 100
55 69.4 56.4 84.6
98 48.9 39.0 58.6

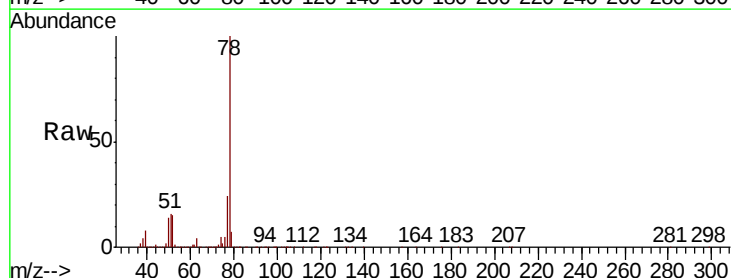


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

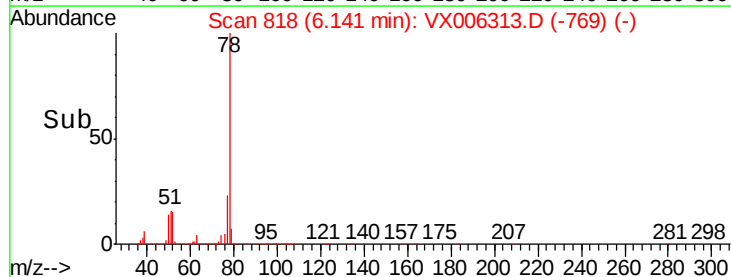
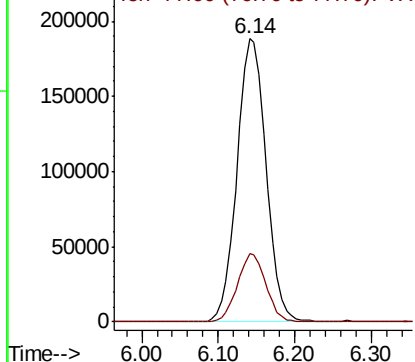


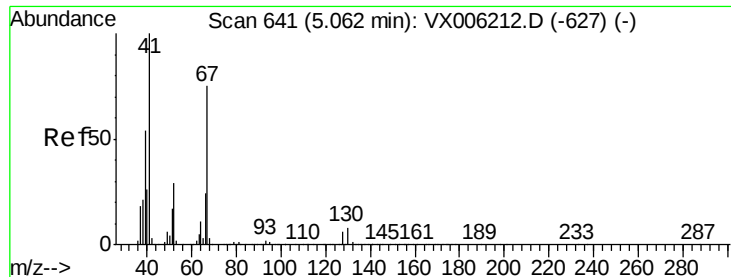
#40
Benzene
Concen: 19.406 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

Tgt Ion: 78 Resp: 496836
Ion Ratio Lower Upper
78 100
77 23.9 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: 18.214 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBS01

Tot Ion: 41 Resp: 95944

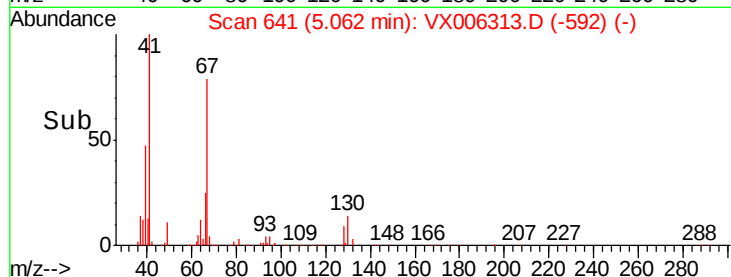
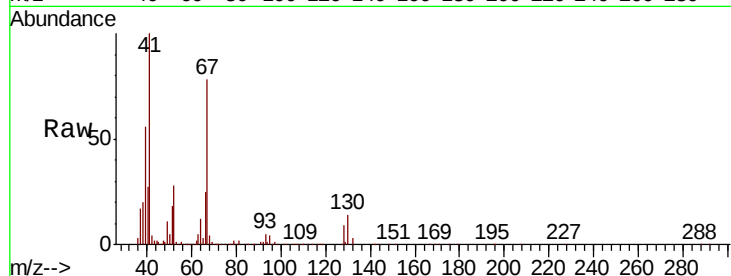
Ion Ratio Lower Upper

41 100

39 55.0 44.0 66.0

67 78.4 61.4 92.0

52 30.0 23.5 35.3

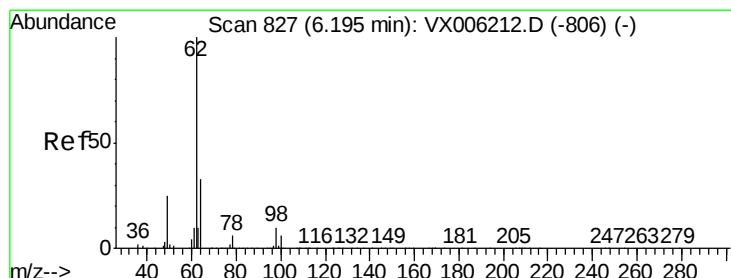
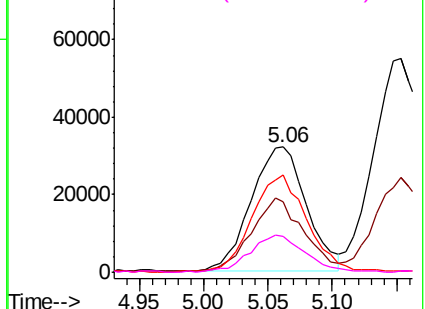


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.723 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX006313.D

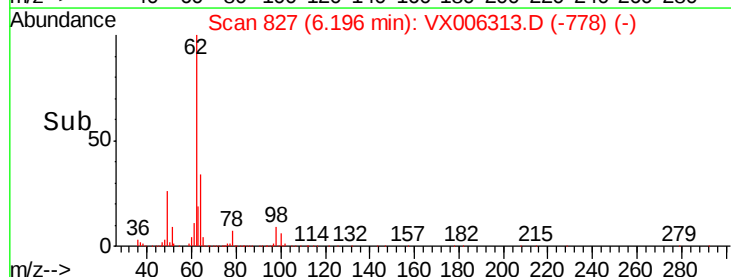
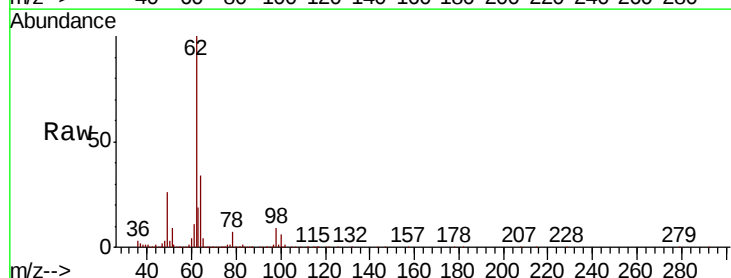
Acq: 06 Dec 2018 12:58

Tgt Ion: 62 Resp: 165266

Ion Ratio Lower Upper

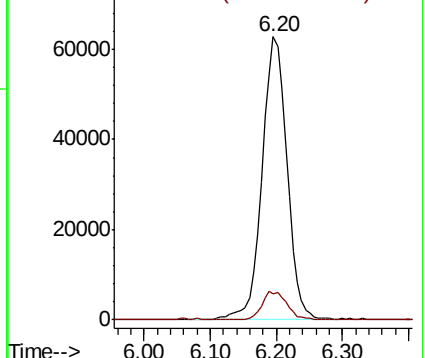
62 100

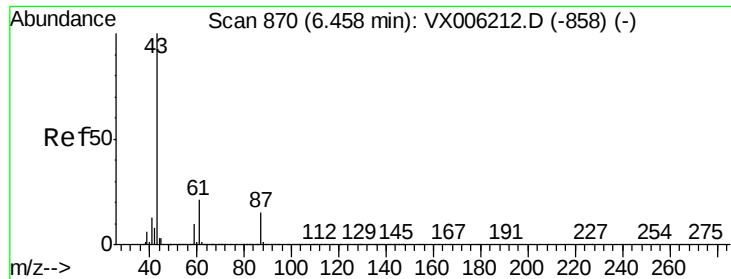
98 10.4 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



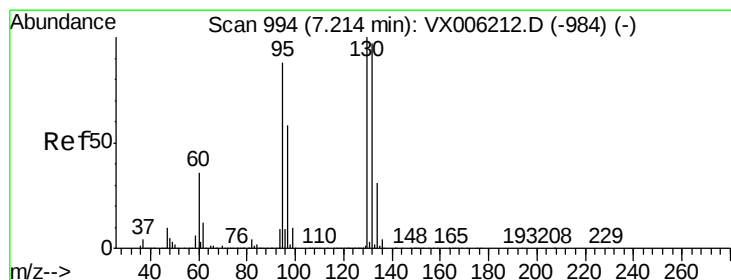
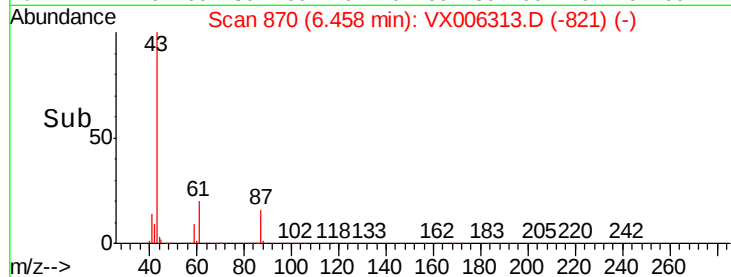
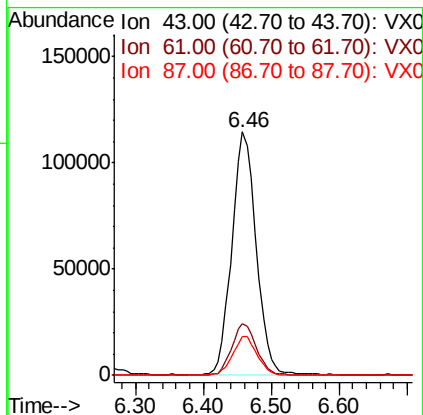
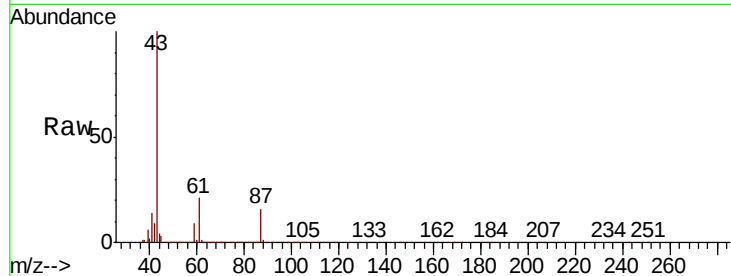


#43

Isopropyl Acetate
 Concen: 17.770 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006313.D
 Acq: 06 Dec 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBS01

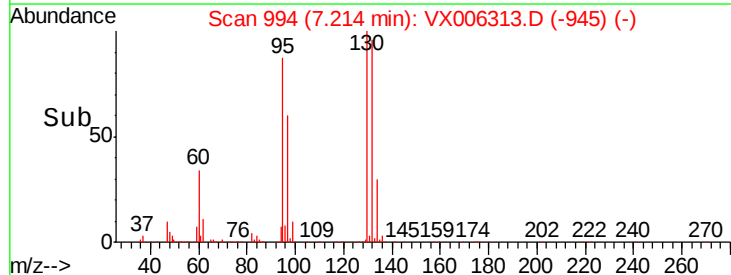
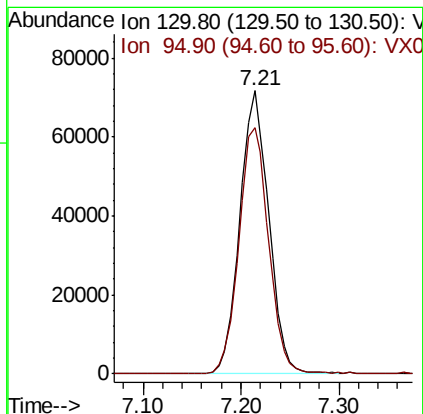
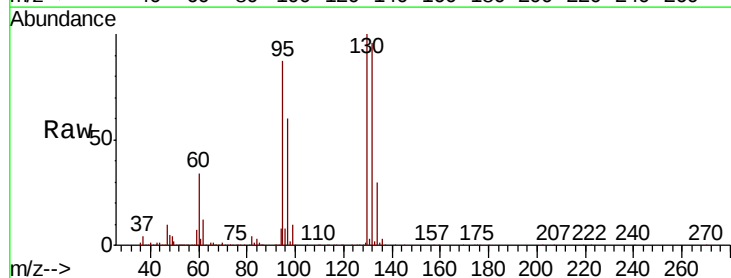
Tot Ion	43	Resp	283620
Ion Ratio	Lower	Upper	
43	100		
61	21.6	16.8	25.2
87	16.1	11.9	17.9



#44

Trichloroethene
 Concen: 19.045 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006313.D
 Acq: 06 Dec 2018 12:58

Tgt Ion	130	Resp	147713
Ion Ratio	Lower	Upper	
130	100		
95	86.9	0.0	175.8

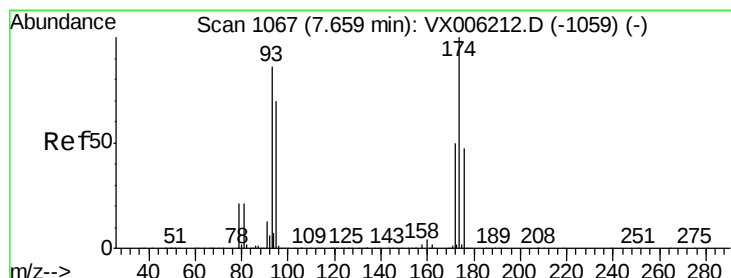
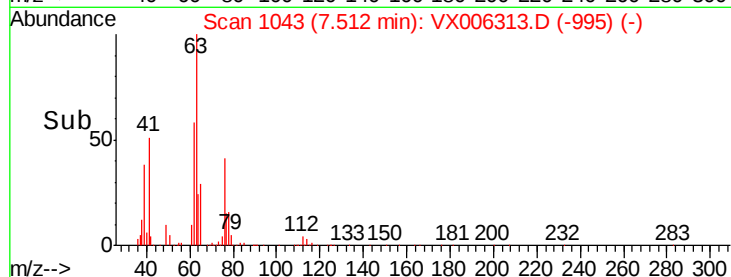
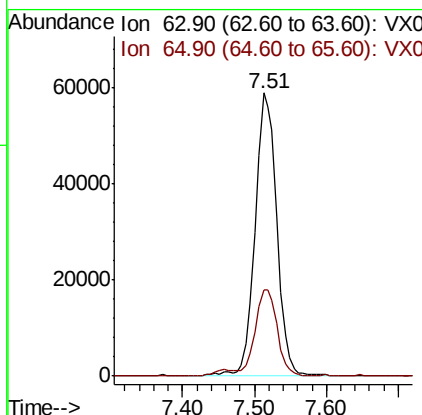
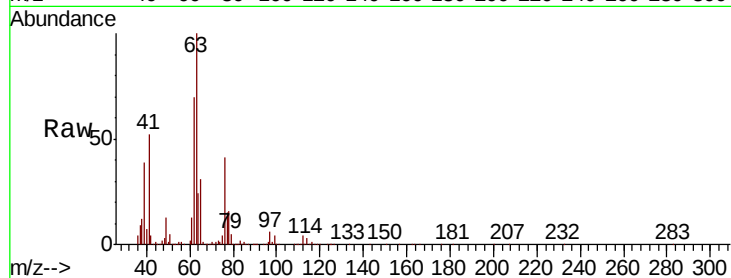




#45
 1,2-Dichloropropane
 Concen: 19.071 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX006313.D
 Acq: 06 Dec 2018 12:58

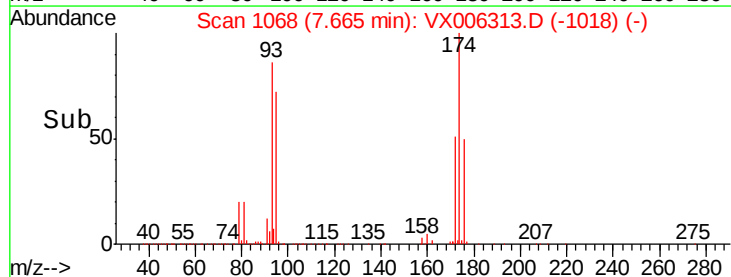
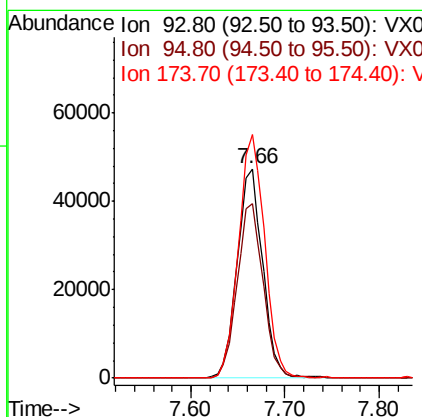
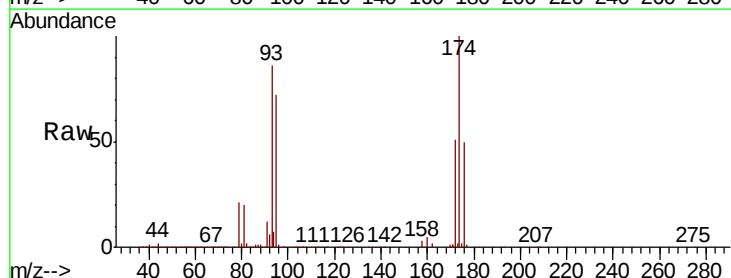
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBS01

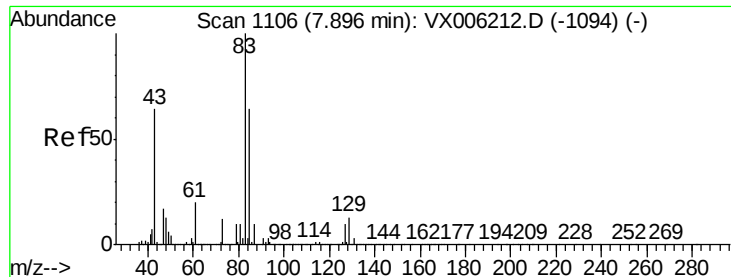
Tot Ion: 63 Resp: 124093
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.3 36.5



#46
 Dibromomethane
 Concen: 19.077 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX006313.D
 Acq: 06 Dec 2018 12:58

Tgt Ion: 93 Resp: 89652
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.2 99.4
 174 119.2 97.2 145.8





#47

Bromodichloromethane

Concen: 18.687 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBS01

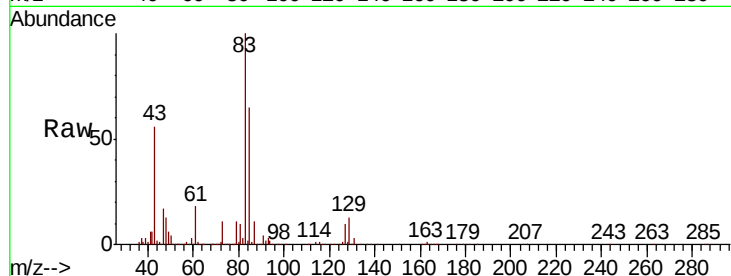
Tot Ion: 83 Resp: 170060

Ion Ratio Lower Upper

83 100

85 65.1 51.4 77.0

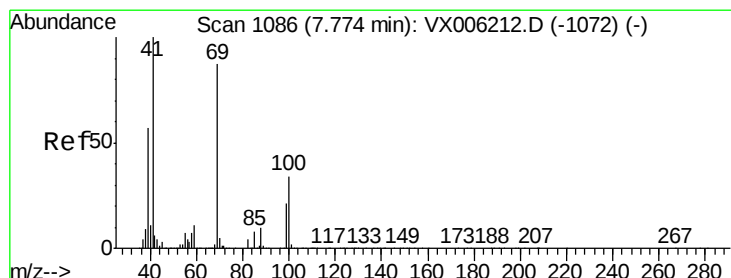
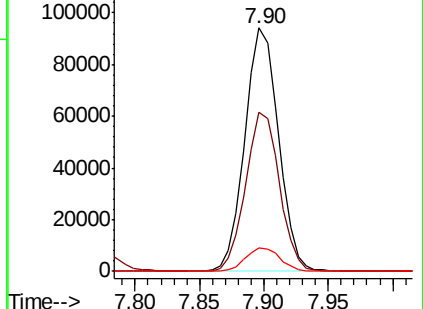
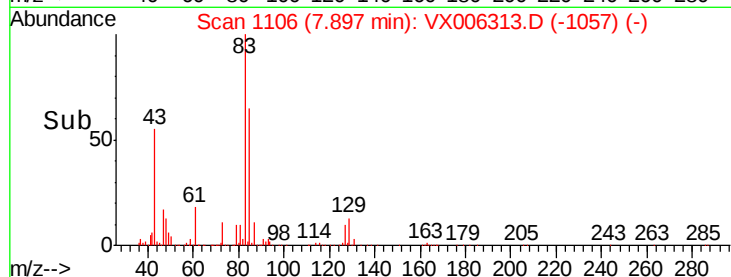
127 9.8 7.9 11.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.999 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

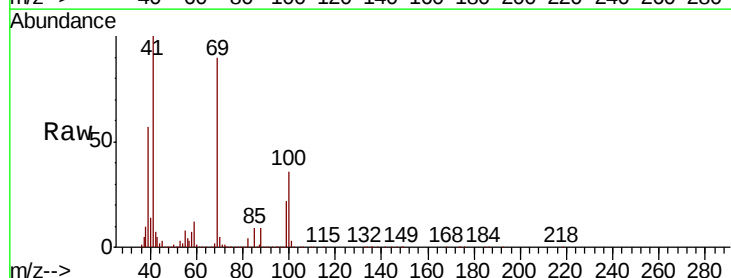
Tgt Ion: 41 Resp: 139755

Ion Ratio Lower Upper

41 100

69 90.0 70.3 105.5

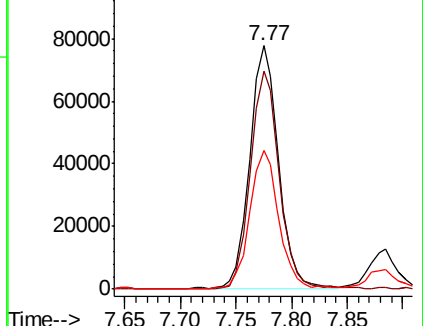
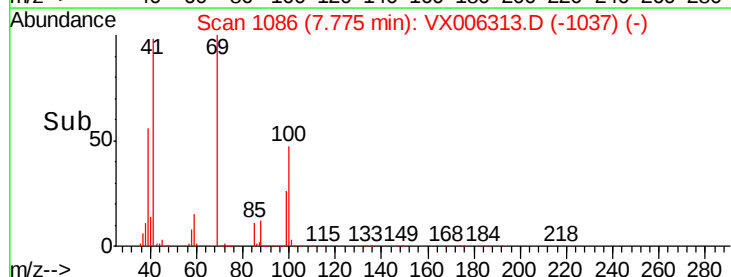
39 57.0 45.3 67.9

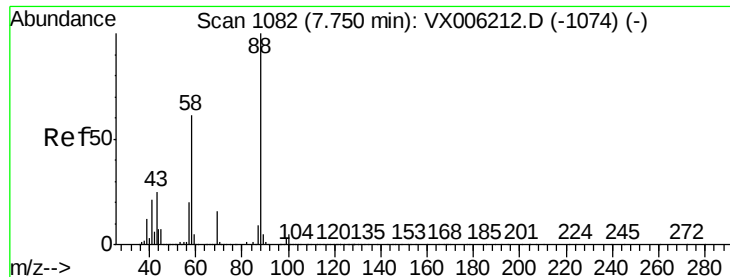


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 378.921 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

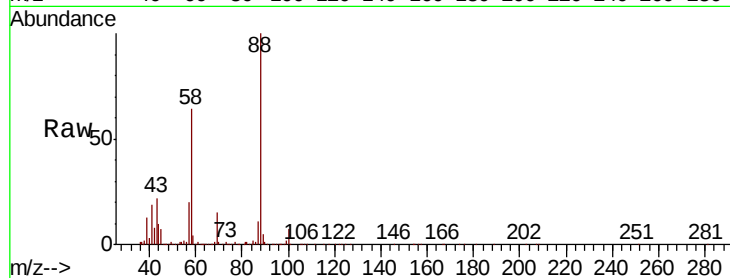
MSVOA_X

ClientSampleId :

VX1206WBS01

Tot Ion: 88 Resp: 72515

Ion	Ratio	Lower	Upper
88	100		
43	27.8	23.2	34.8
58	65.1	51.4	77.0

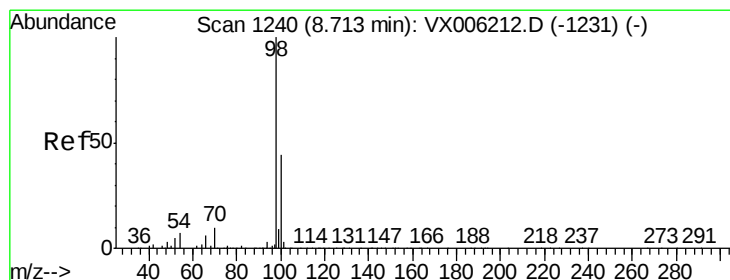
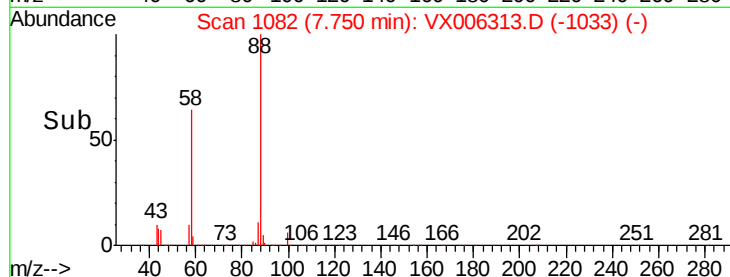
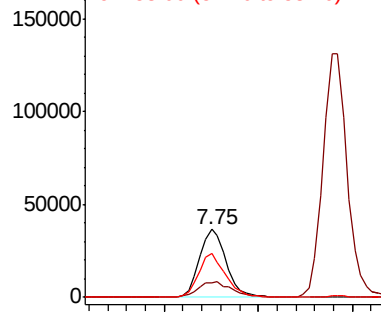


Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.090 ug/l

RT: 8.71 min Scan# 1240

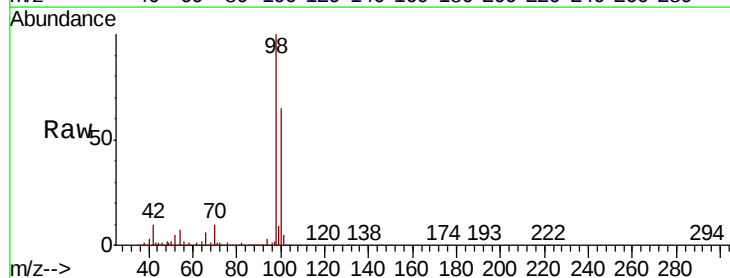
Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Tgt Ion: 98 Resp: 1173572

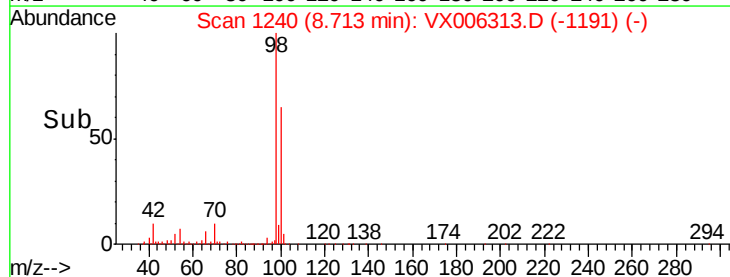
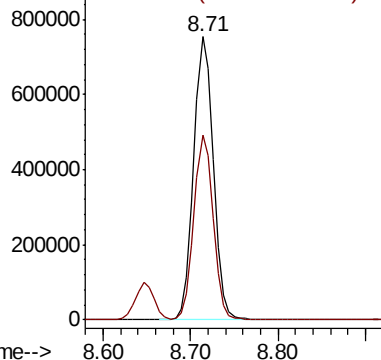
Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2



Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 92.923 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

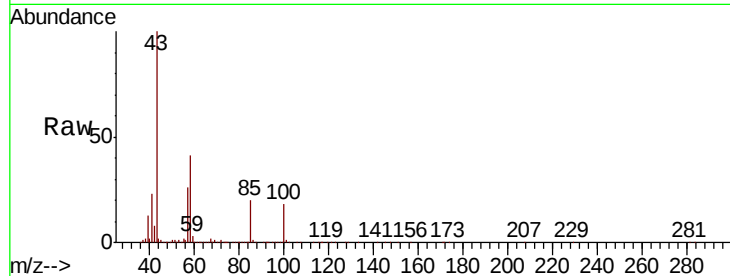
VX1206WBS01

Tot Ion: 43 Resp: 863386

Ion Ratio Lower Upper

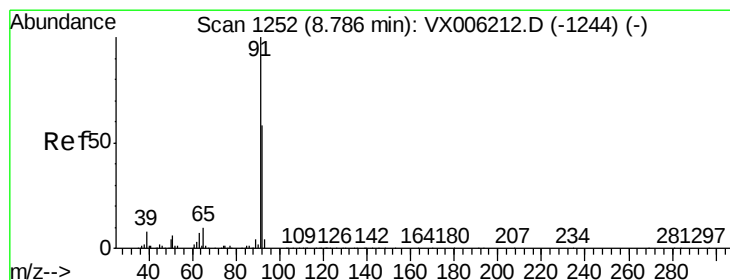
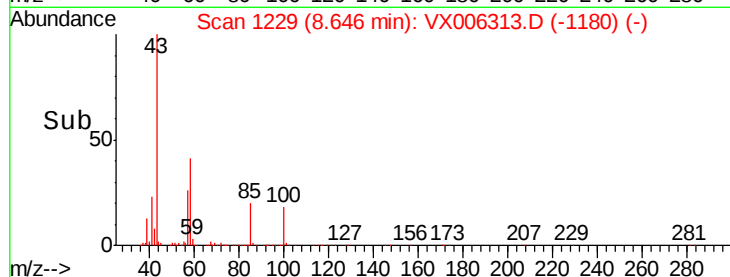
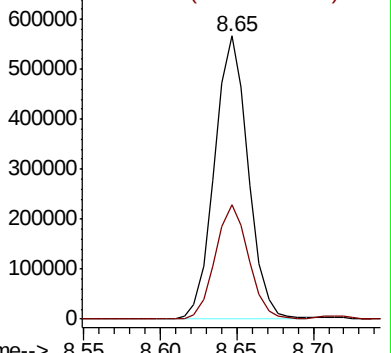
43 100

58 40.2 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.141 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006313.D

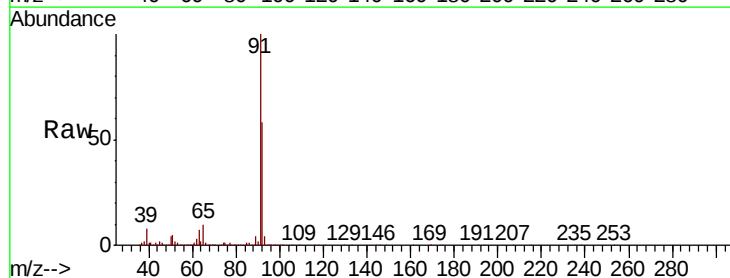
Acq: 06 Dec 2018 12:58

Tgt Ion: 92 Resp: 322408

Ion Ratio Lower Upper

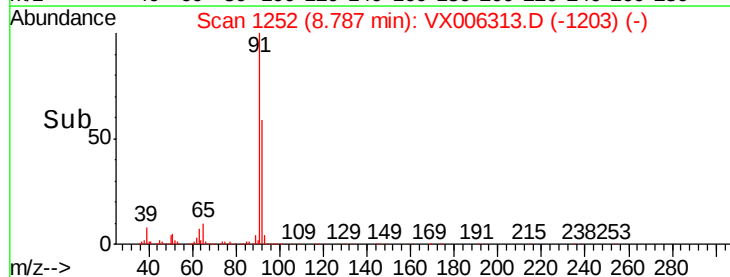
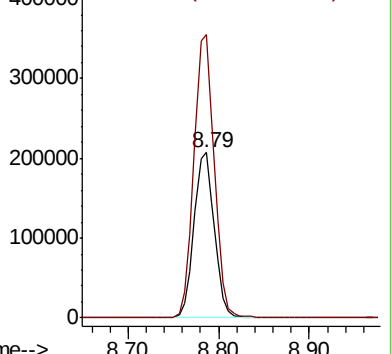
92 100

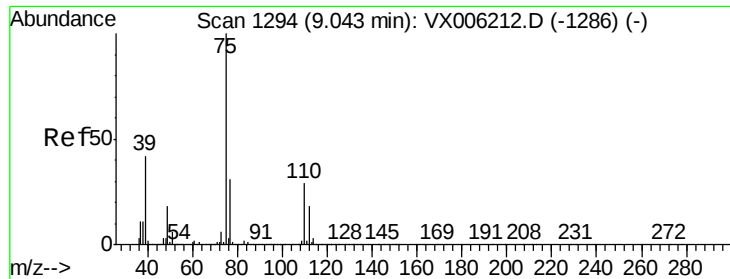
91 172.3 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 17.755 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

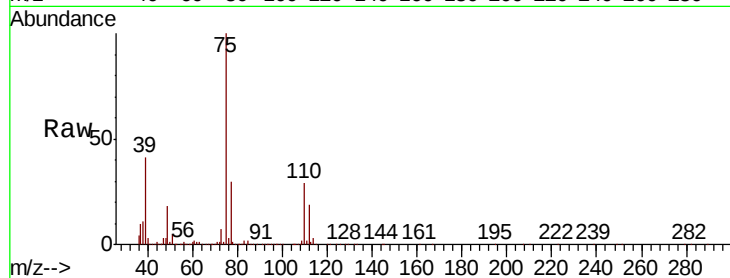
VX1206WBS01

Tot Ion: 75 Resp: 188968

Ion Ratio Lower Upper

75 100

77 30.2 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

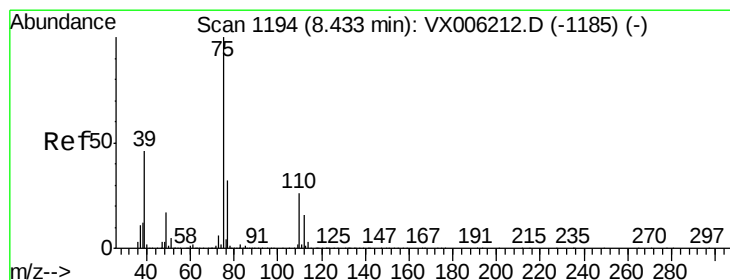
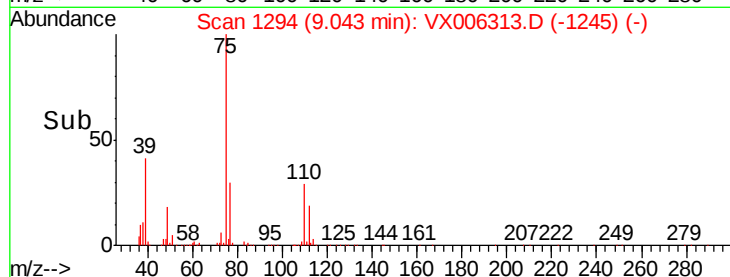
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.275 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

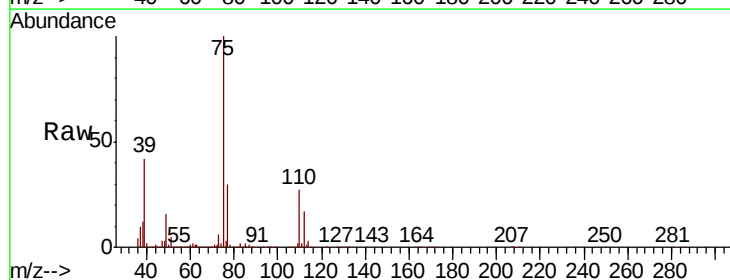
Tgt Ion: 75 Resp: 201969

Ion Ratio Lower Upper

75 100

77 30.3 25.6 38.4

39 42.2 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44

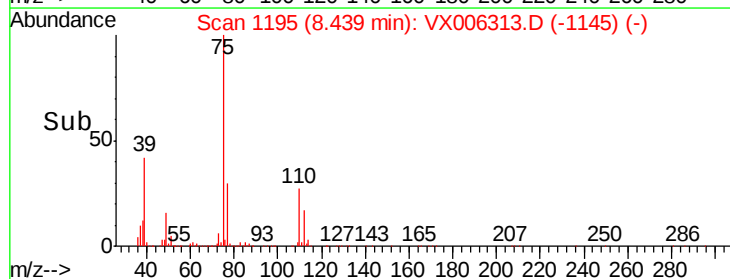
150000

100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.829 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBS01

Tot Ion: 97 Resp: 135688

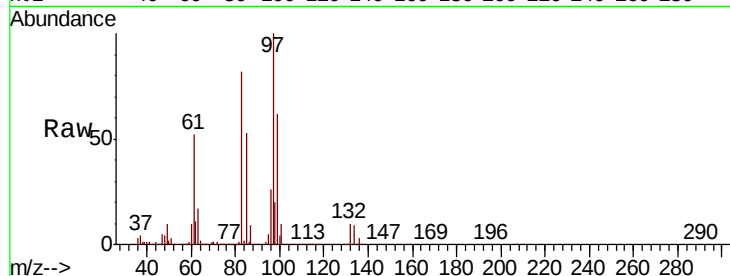
Ion Ratio Lower Upper

97 100

83 82.5 67.1 100.7

85 53.0 43.2 64.8

99 61.8 49.8 74.6

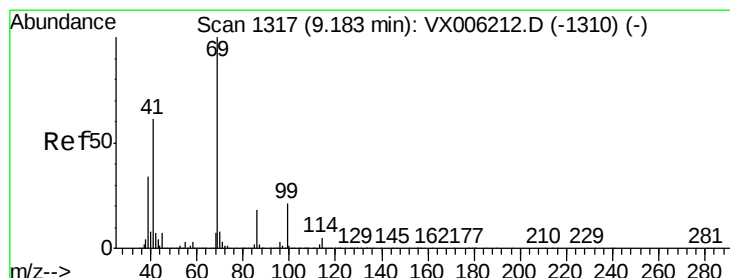
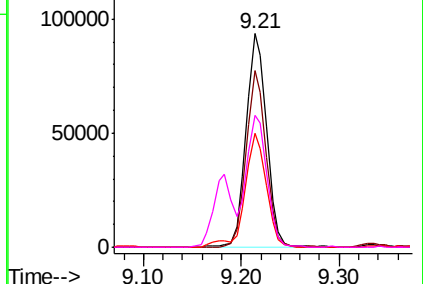
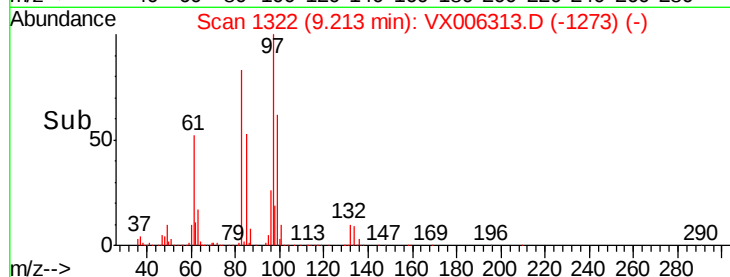


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 18.700 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

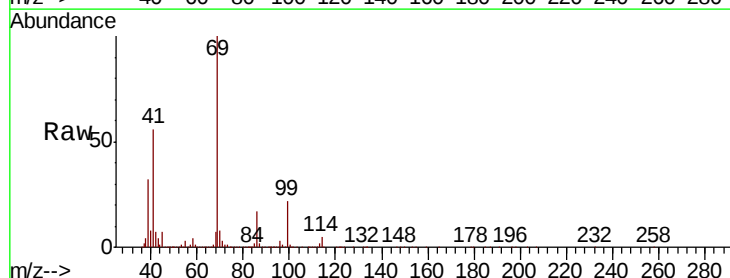
Tgt Ion: 69 Resp: 200043

Ion Ratio Lower Upper

69 100

41 60.4 50.6 76.0

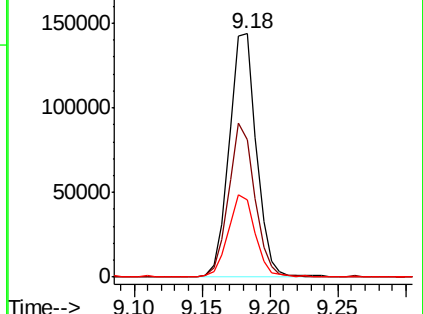
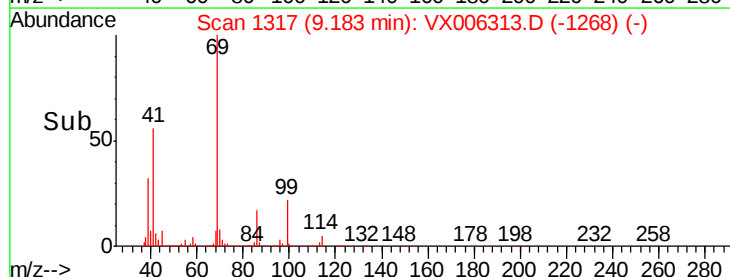
39 33.1 27.6 41.4

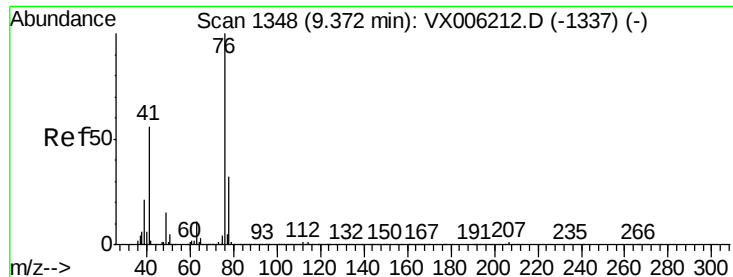


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.489 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

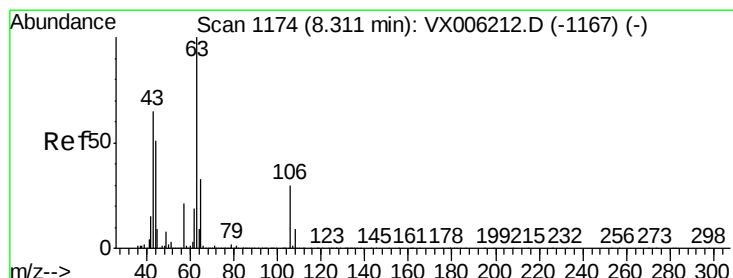
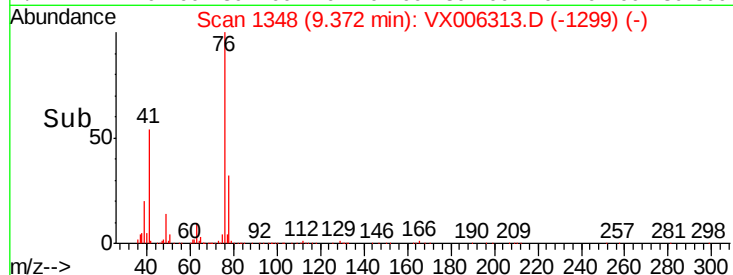
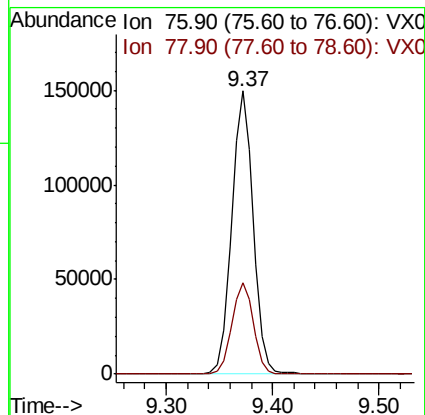
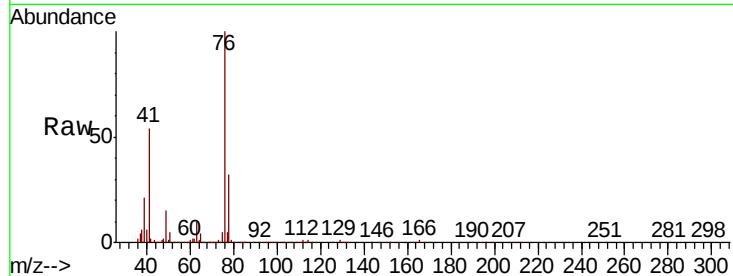
VX1206WBS01

Tot Ion: 76 Resp: 210887

Ion Ratio Lower Upper

76 100

78 32.5 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 92.959 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006313.D

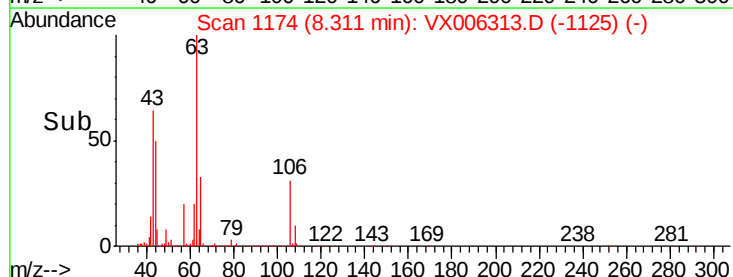
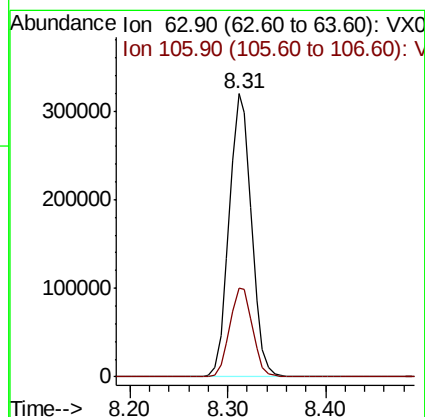
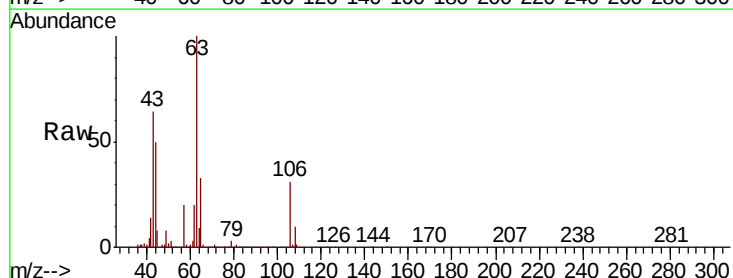
Acq: 06 Dec 2018 12:58

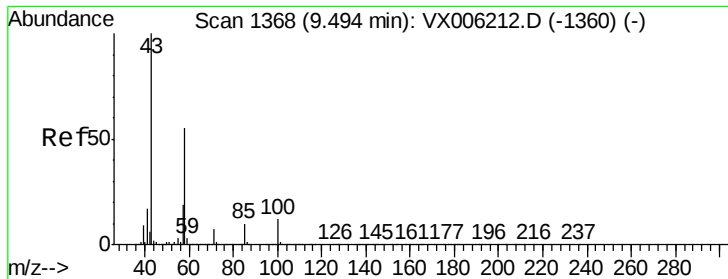
Tgt Ion: 63 Resp: 504634

Ion Ratio Lower Upper

63 100

106 32.2 24.9 37.3

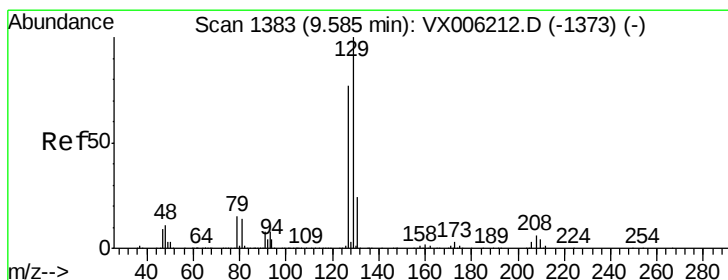
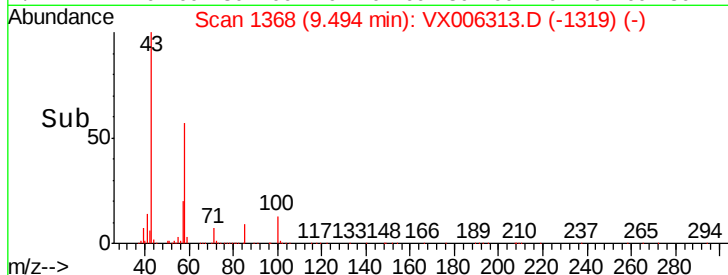
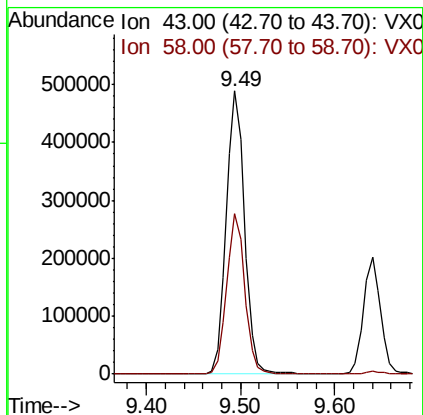
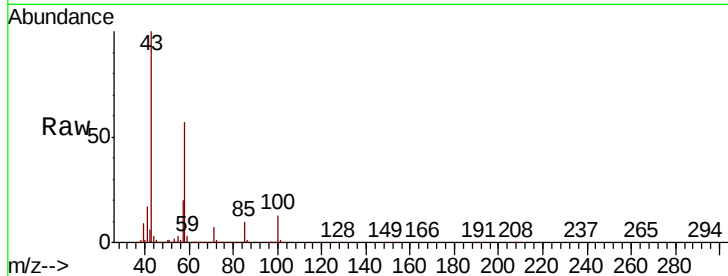




#59
2-Hexanone
Concen: 92.910 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

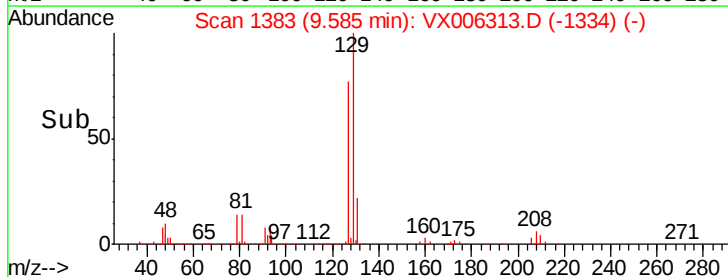
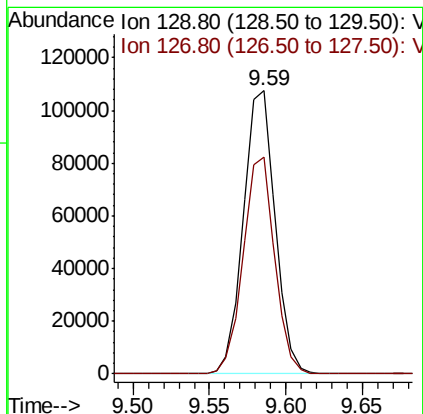
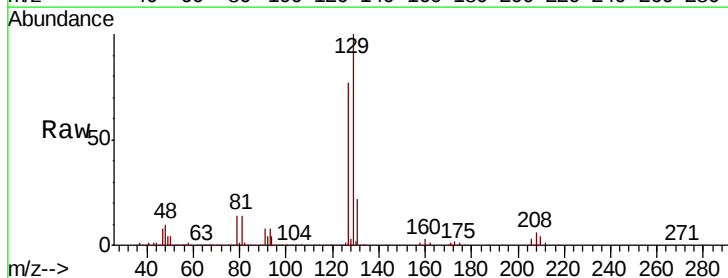
Instrument :
MSVOA_X
ClientSampled :
VX1206WBS01

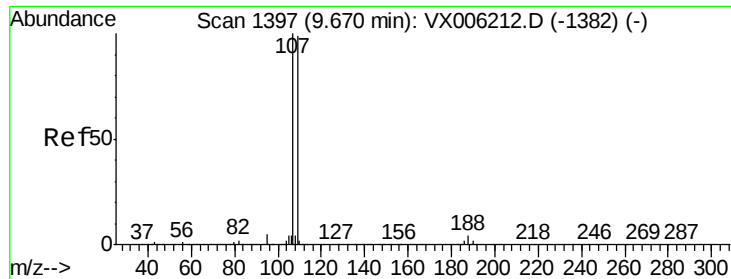
Tot Ion: 43 Resp: 659535
Ion Ratio Lower Upper
43 100
58 56.2 27.7 83.1



#60
Dibromochloromethane
Concen: 18.398 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

Tgt Ion: 129 Resp: 155241
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 18.681 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

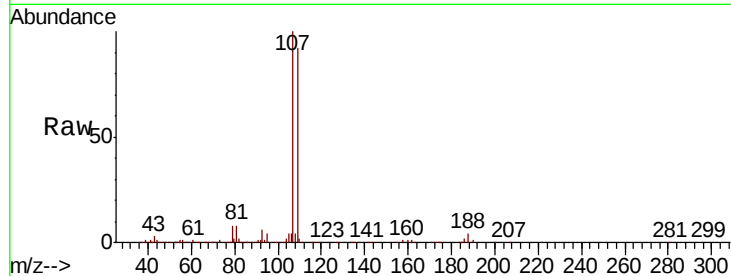
VX1206WBS01

Tot Ion:107 Resp: 142934

Ion Ratio Lower Upper

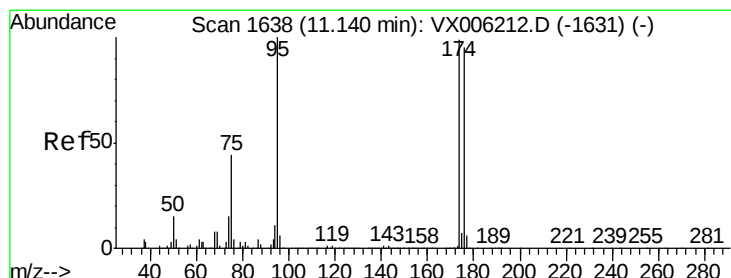
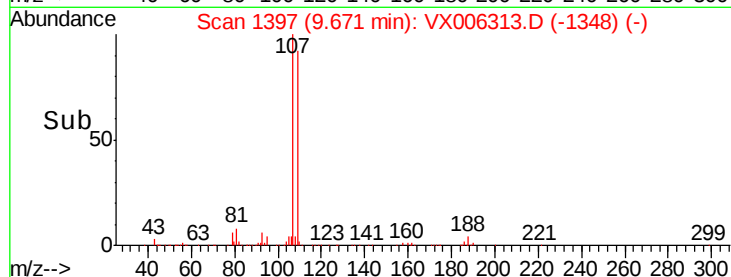
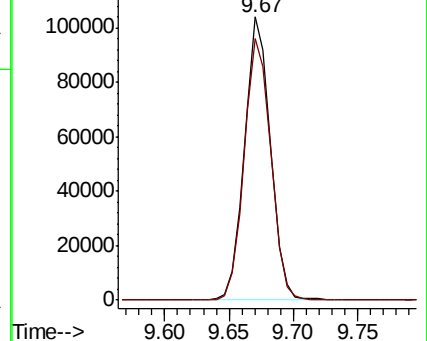
107 100

109 96.1 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.482 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

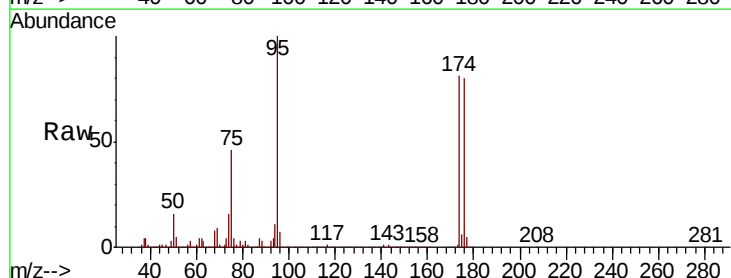
Tgt Ion: 95 Resp: 436762

Ion Ratio Lower Upper

95 100

174 90.3 0.0 187.0

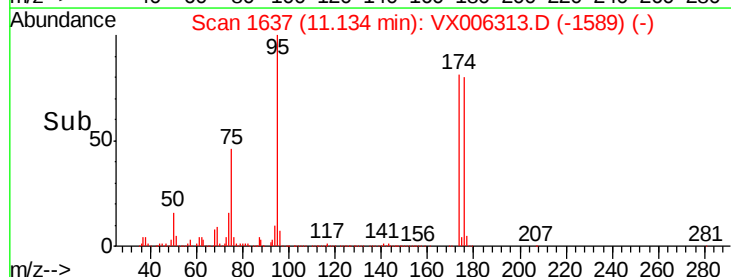
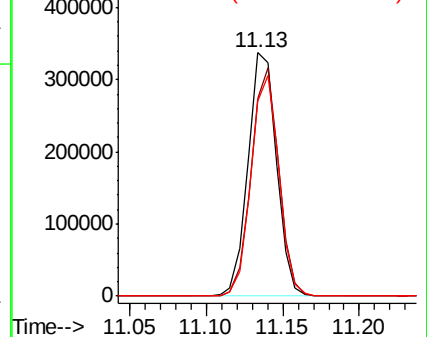
176 88.4 0.0 181.8

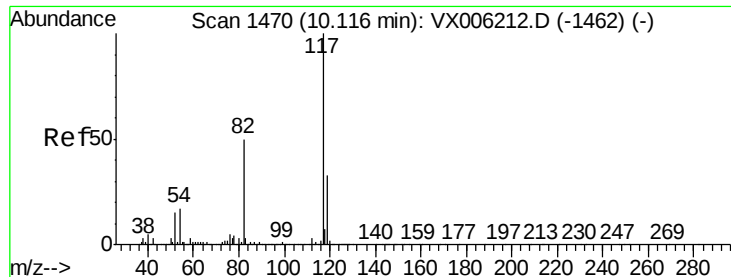


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

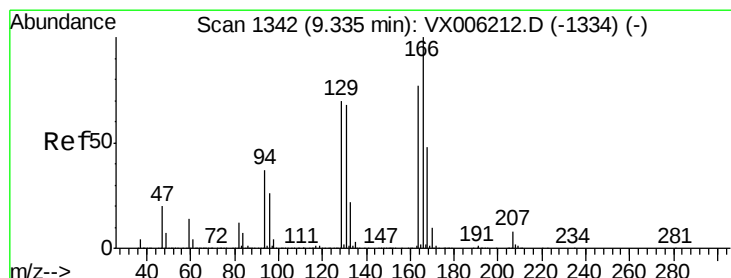
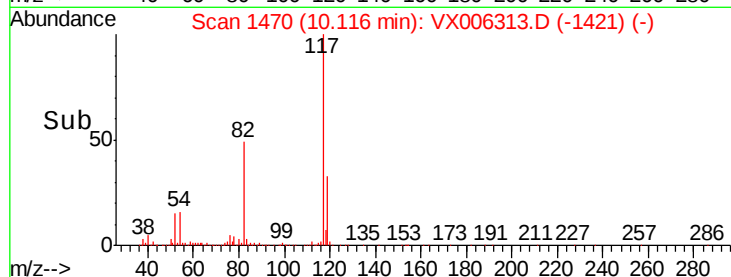
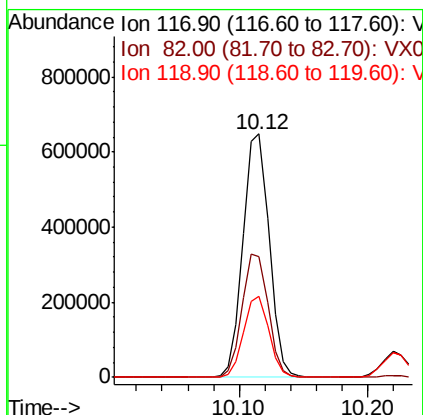
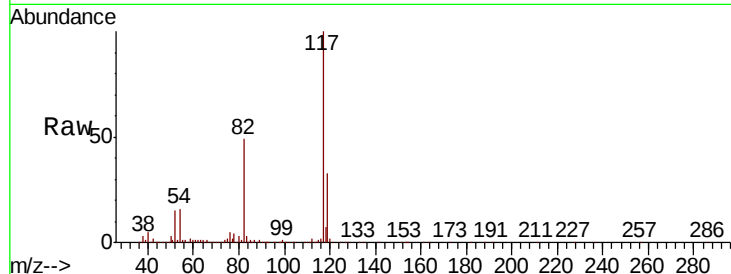




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

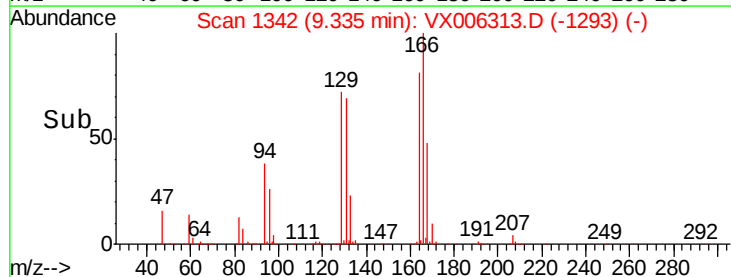
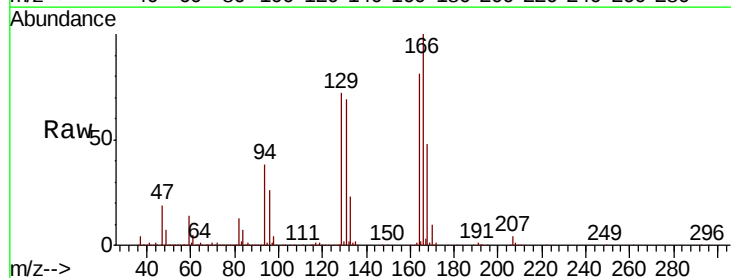
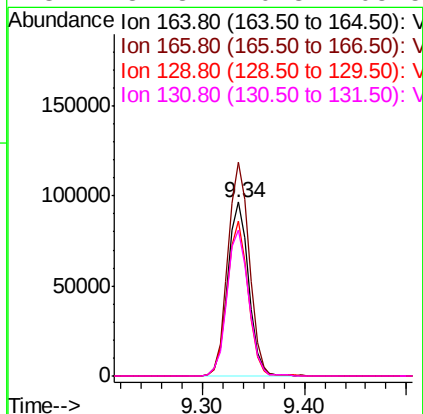
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBS01

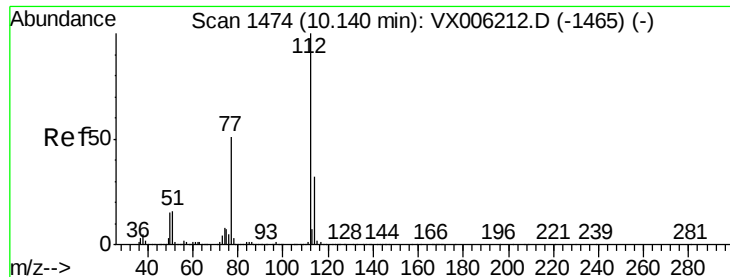
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.4	39.6	59.4
119	33.0	26.3	39.5



#64
Tetrachloroethene
Concen: 19.866 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.8	104.2	156.2
129	89.0	72.6	108.8
131	84.3	70.3	105.5





#65

Chlorobenzene

Concen: 19.268 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

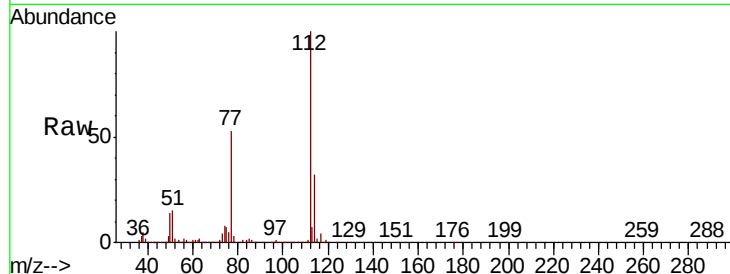
VX1206WBS01

Tot Ion:112 Resp: 372727

Ion Ratio Lower Upper

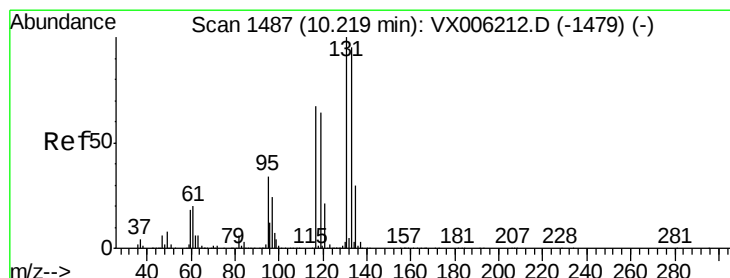
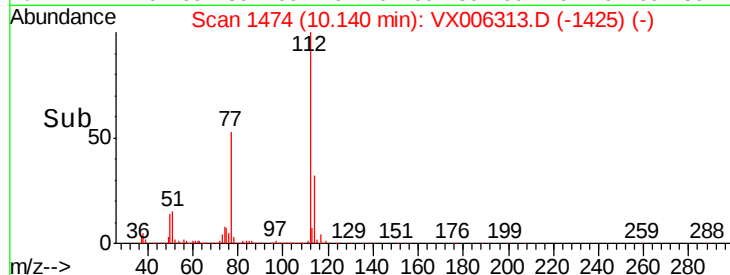
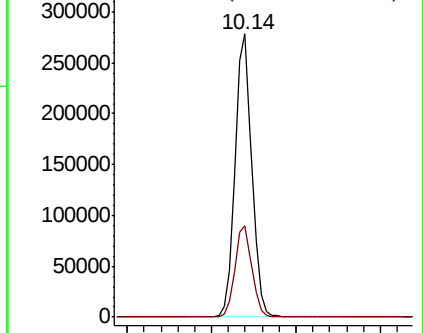
112 100

114 32.3 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.726 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

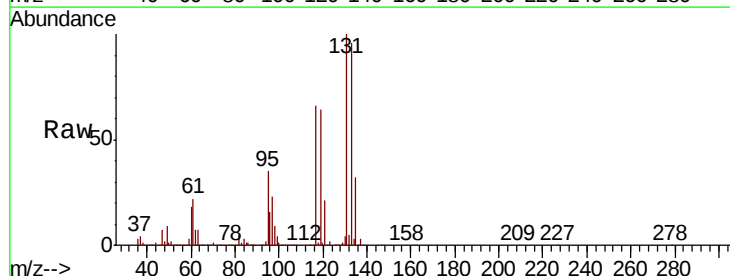
Tgt Ion:131 Resp: 140745

Ion Ratio Lower Upper

131 100

133 94.8 48.1 144.4

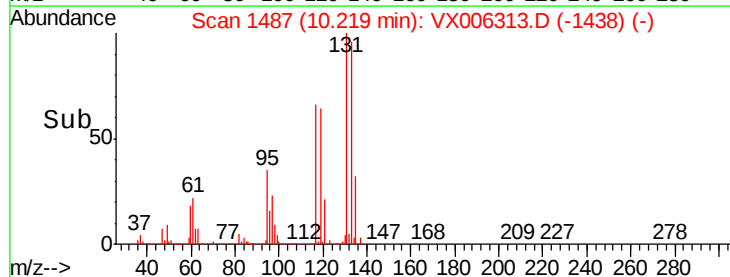
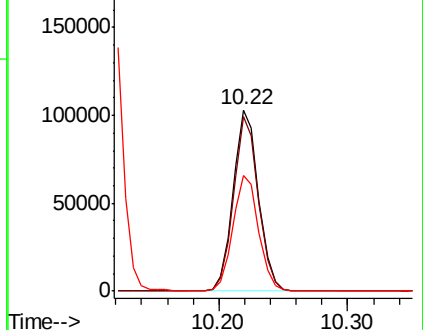
119 64.7 32.1 96.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

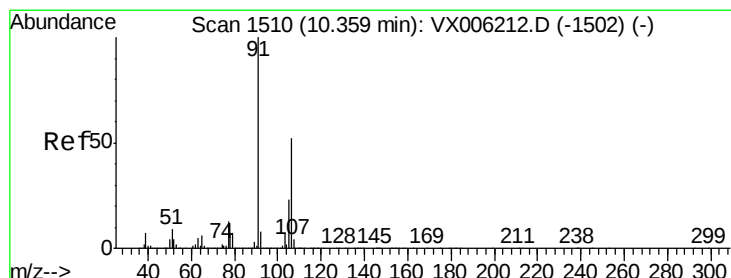
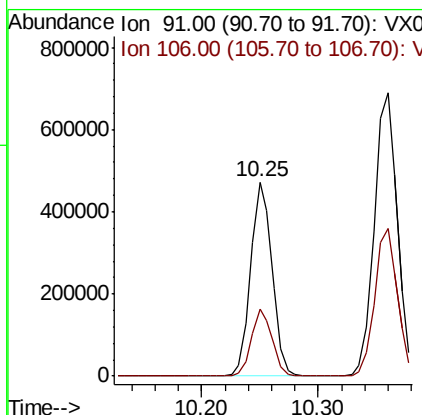
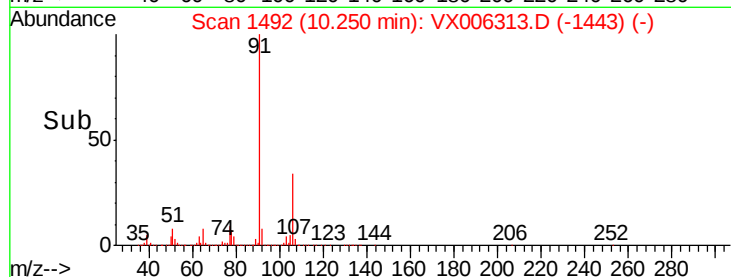
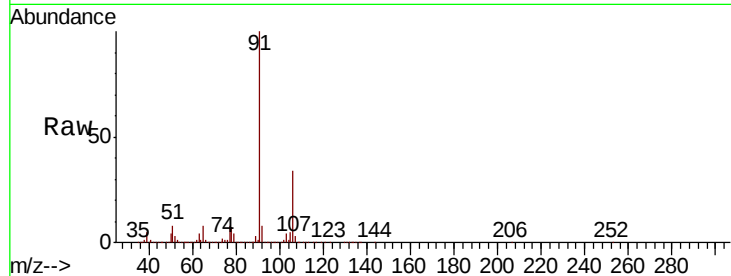




#67
Ethyl Benzene
Concen: 18.958 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

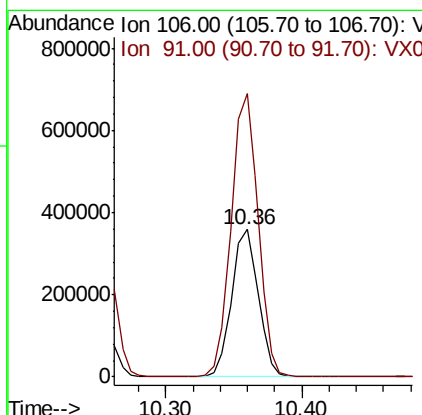
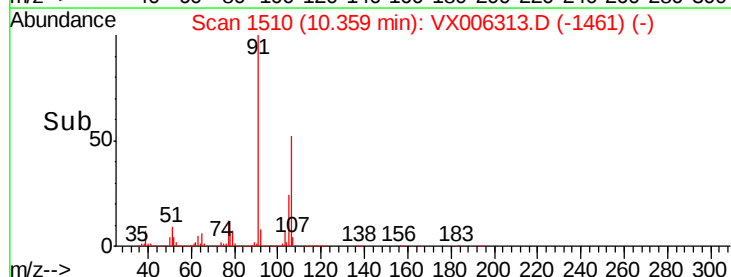
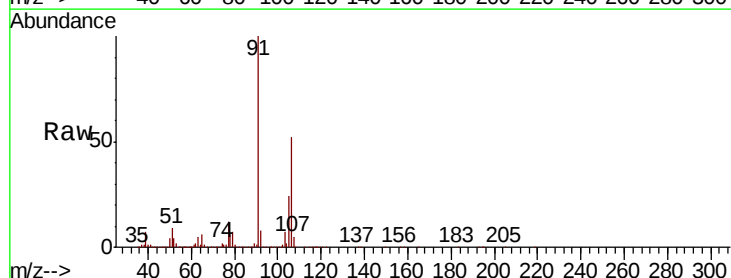
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBS01

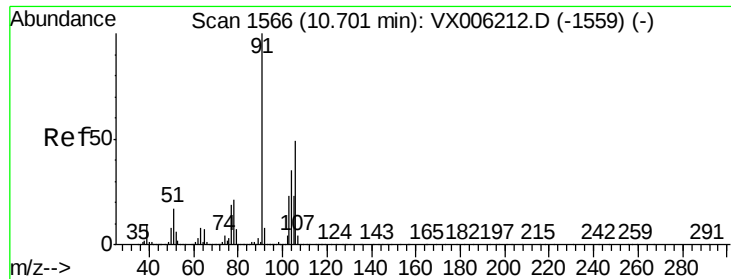
Tot Ion: 91 Resp: 609930
Ion Ratio Lower Upper
91 100
106 34.3 26.5 39.7



#68
m/p-Xylenes
Concen: 37.874 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

Tgt Ion: 106 Resp: 488111
Ion Ratio Lower Upper
106 100
91 193.9 155.2 232.8

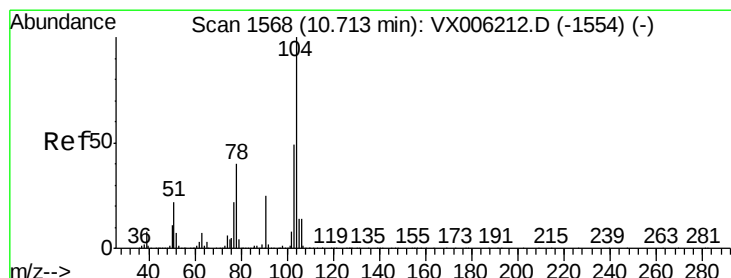
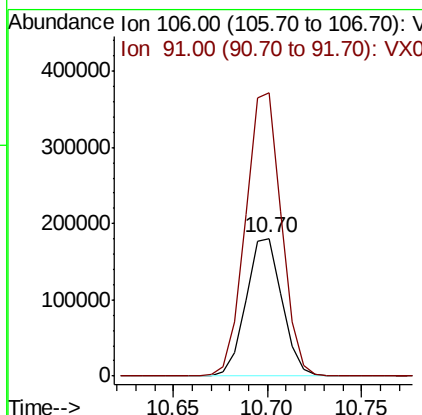
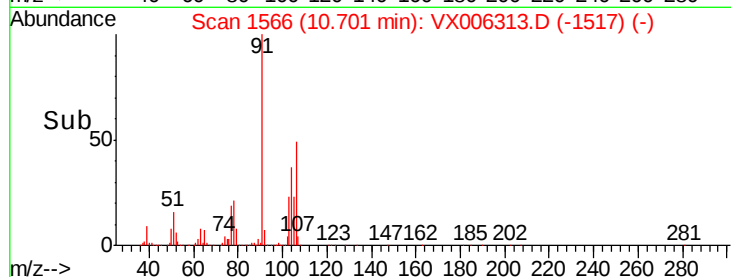
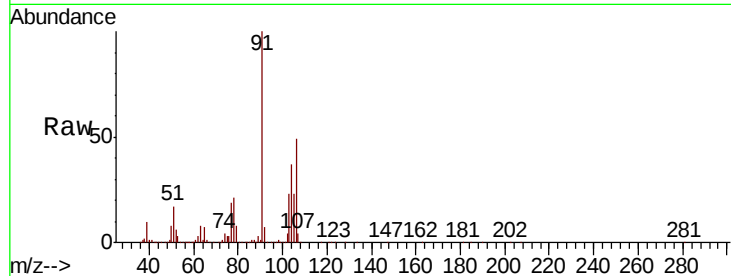




#69
o-Xylene
Concen: 18.735 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

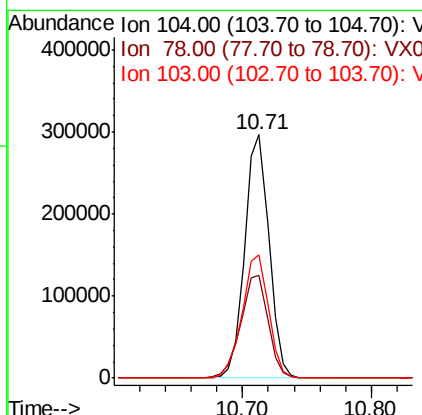
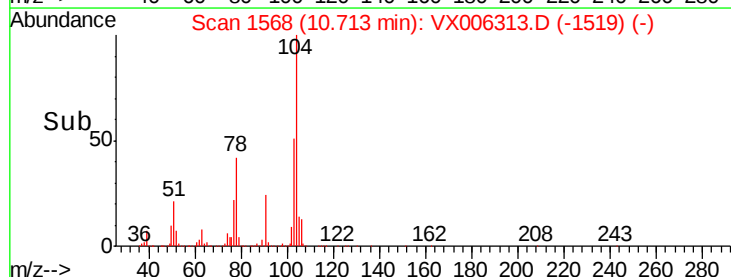
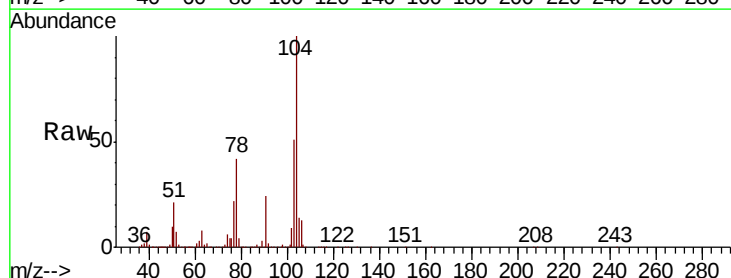
Instrument :
MSVOA_X
ClientSampleId :
VX1206WBS01

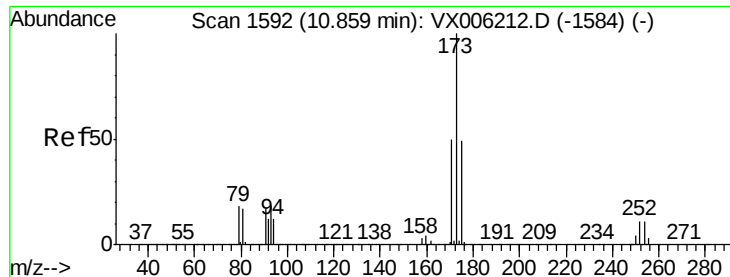
Tot Ion:106 Resp: 238492
Ion Ratio Lower Upper
106 100
91 205.6 101.8 305.6



#70
Styrene
Concen: 18.698 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006313.D
Acq: 06 Dec 2018 12:58

Tgt Ion:104 Resp: 384963
Ion Ratio Lower Upper
104 100
78 47.7 37.2 55.8
103 55.6 43.5 65.3





#71

Bromoform

Concen: 16.917 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBS01

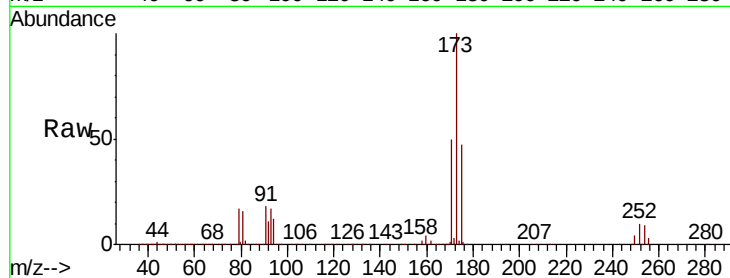
Tot Ion:173 Resp: 120025

Ion Ratio Lower Upper

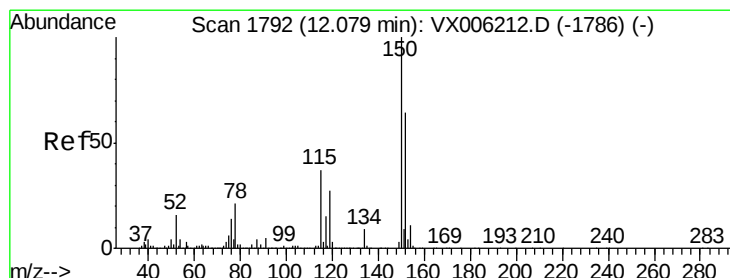
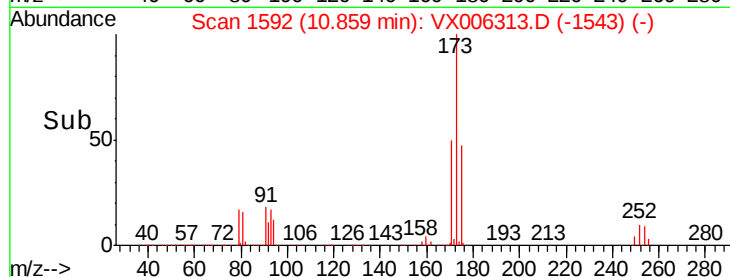
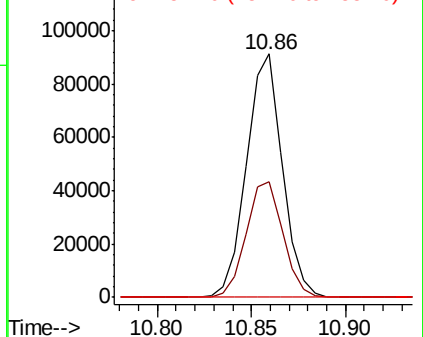
173 100

175 48.8 24.6 73.8

254 0.2 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: VX006313.D

Acq: 06 Dec 2018 12:58

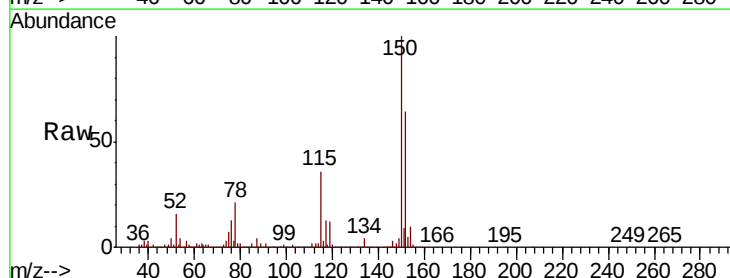
Tgt Ion:152 Resp: 454258

Ion Ratio Lower Upper

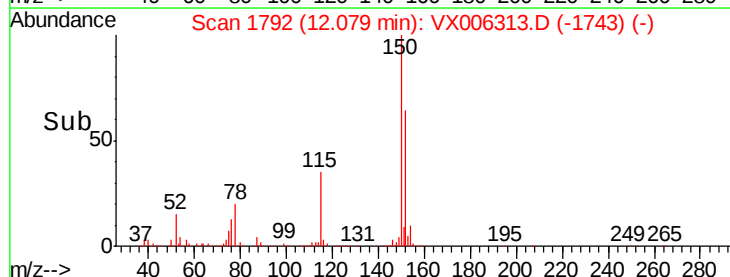
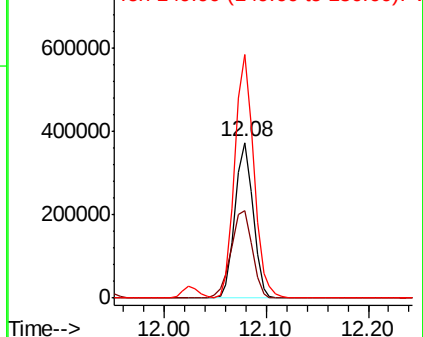
152 100

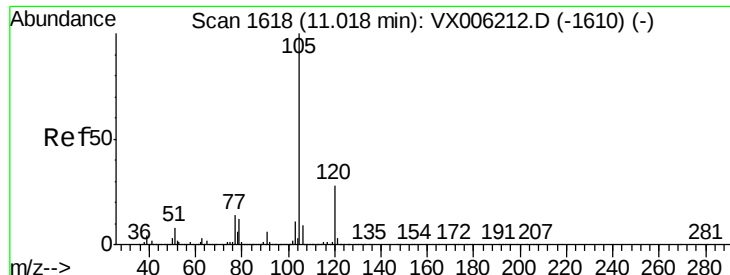
115 65.7 39.0 116.9

150 164.3 0.0 345.8



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





#73

Isopropylbenzene

Concen: 20.221 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

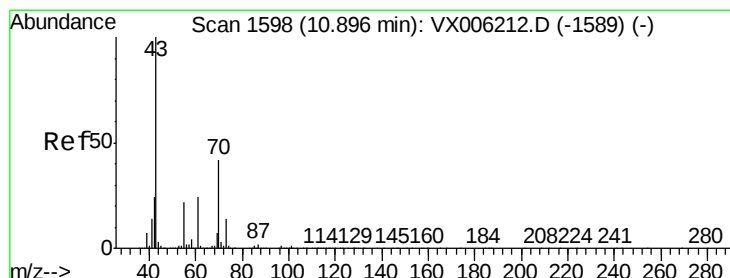
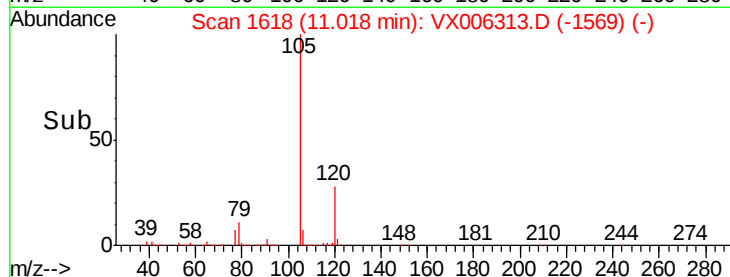
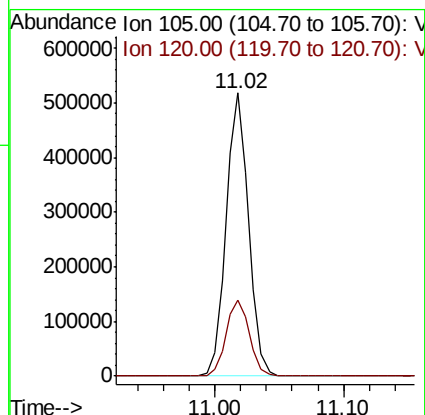
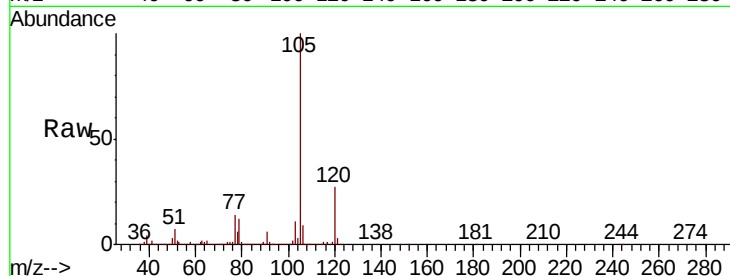
VX1206WBS01

Tot Ion:105 Resp: 634330

Ion Ratio Lower Upper

105 100

120 27.8 14.1 42.3



#74

N-ethyl acetate

Concen: 18.606 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Tgt Ion: 43 Resp: 251350

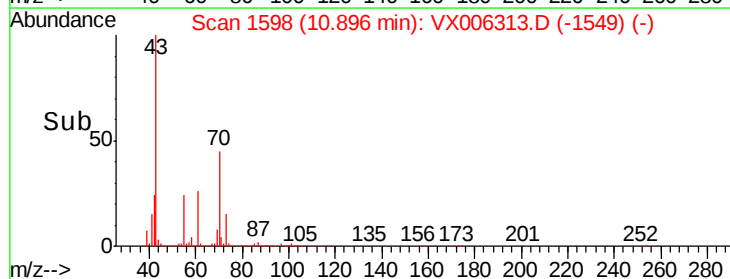
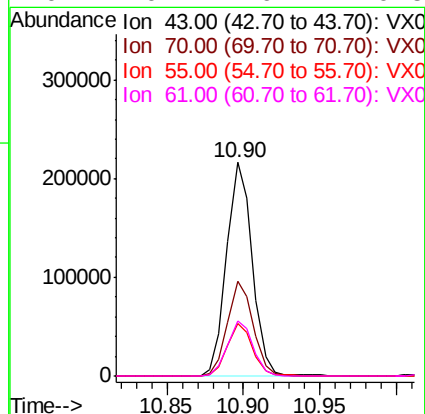
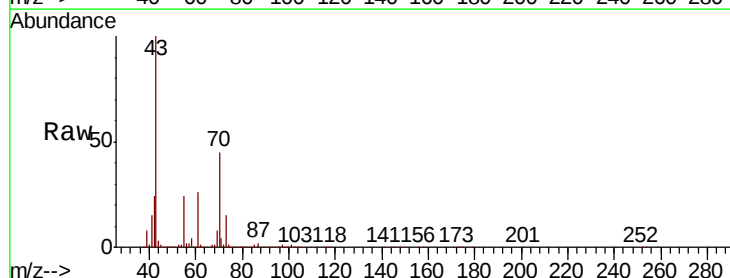
Ion Ratio Lower Upper

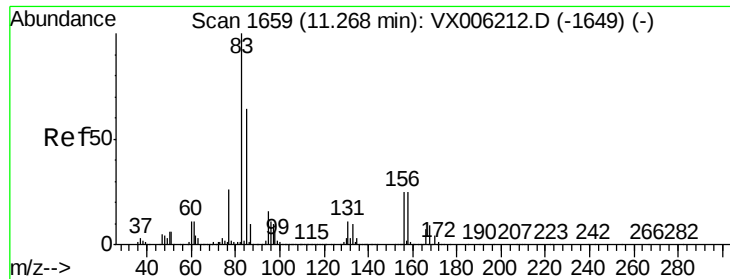
43 100

70 45.0 34.1 51.1

55 24.1 17.8 26.8

61 26.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.023 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBS01

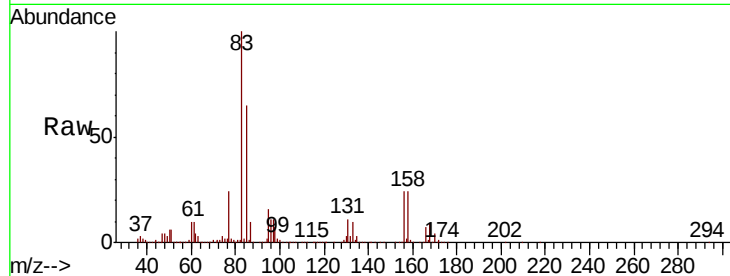
Tot Ion: 83 Resp: 200956

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.1

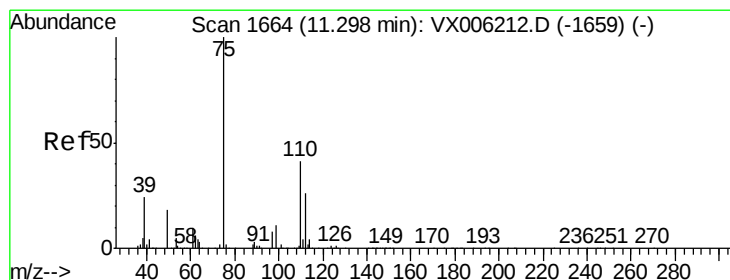
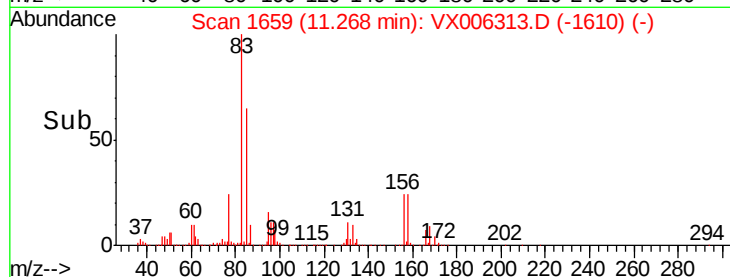
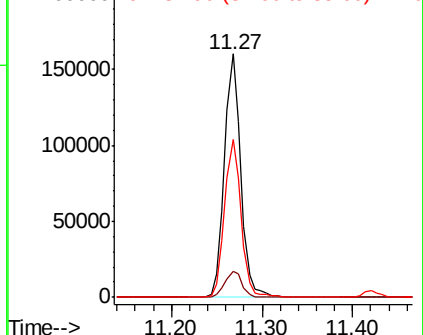
85 65.8 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.641 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006313.D

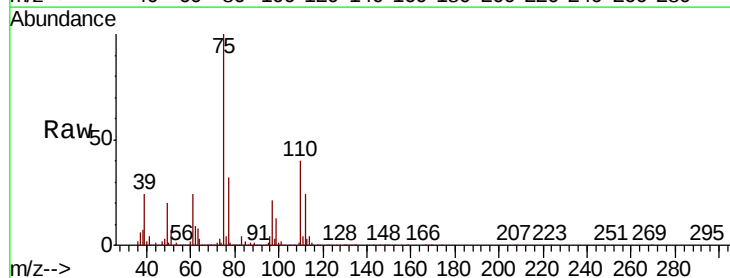
Acq: 06 Dec 2018 12:58

Tgt Ion: 75 Resp: 233588

Ion Ratio Lower Upper

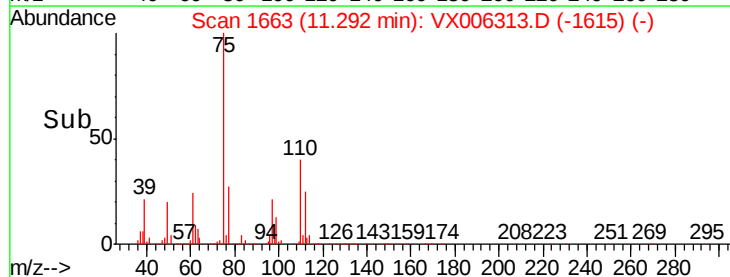
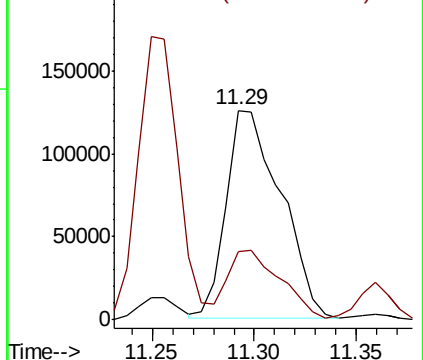
75 100

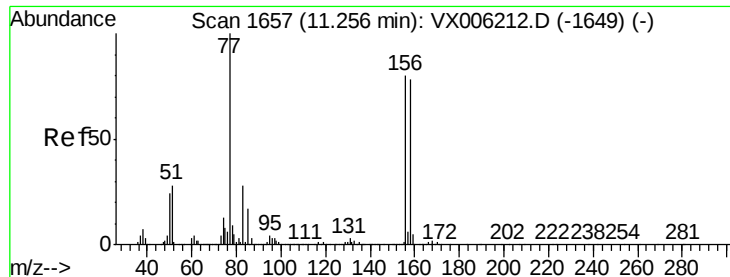
77 31.9 19.9 59.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.027 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBS01

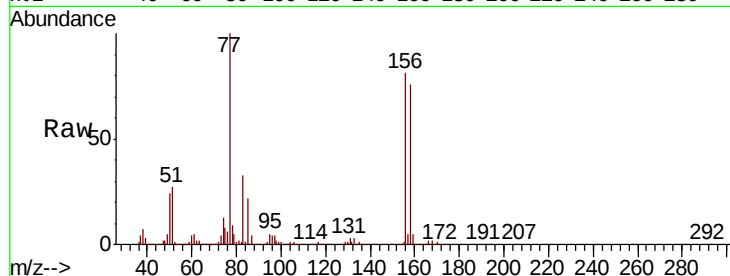
Tot Ion:156 Resp: 174349

Ion Ratio Lower Upper

156 100

77 133.5 66.2 198.6

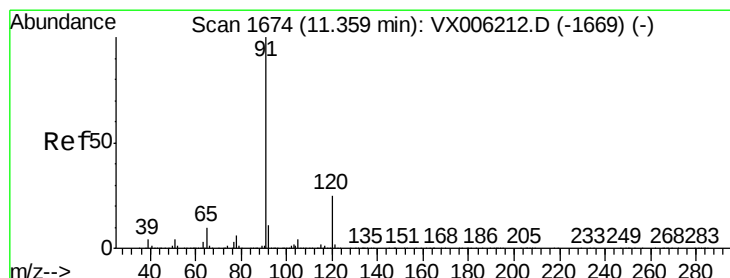
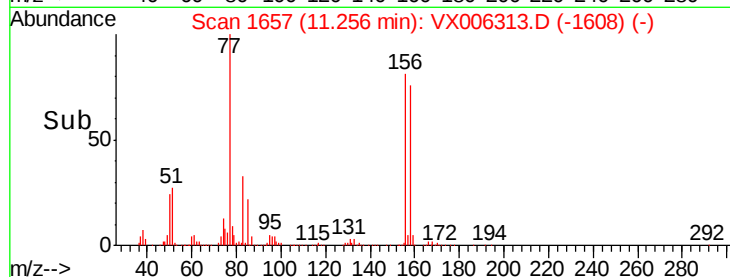
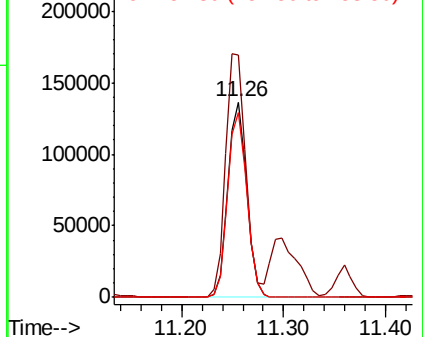
158 96.0 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.770 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006313.D

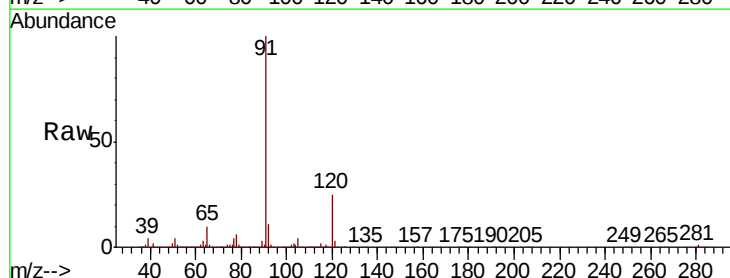
Acq: 06 Dec 2018 12:58

Tgt Ion: 91 Resp: 689417

Ion Ratio Lower Upper

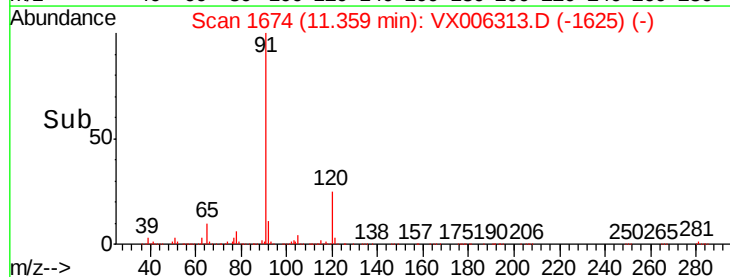
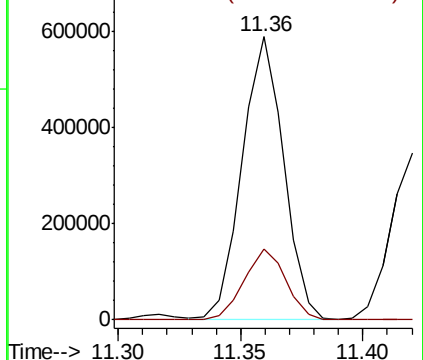
91 100

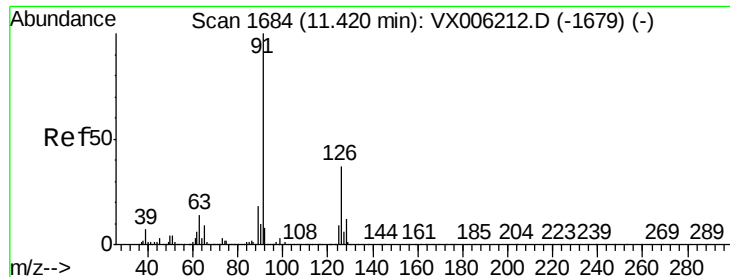
120 25.4 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.961 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

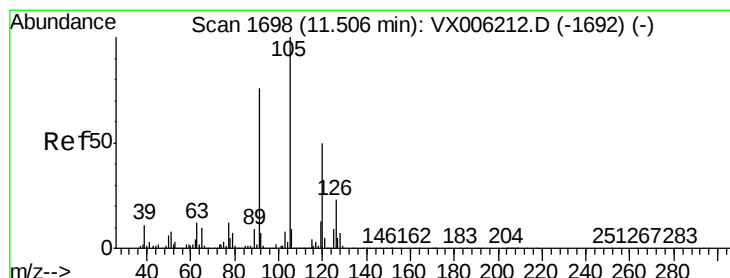
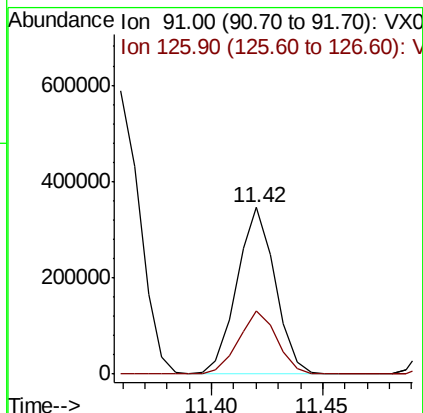
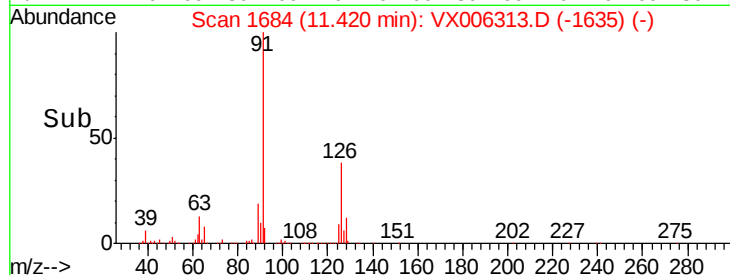
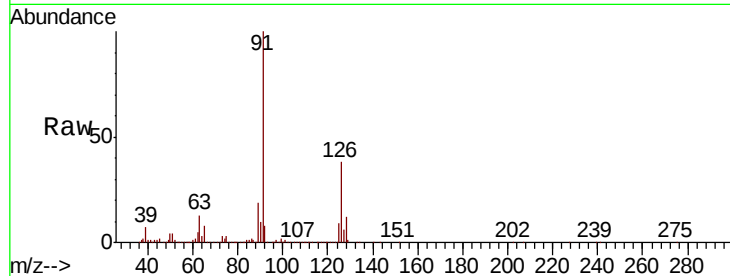
VX1206WBS01

Tot Ion: 91 Resp: 413714

Ion Ratio Lower Upper

91 100

126 38.2 18.6 56.0



#80

1,3,5-Trimethylbenzene

Concen: 20.019 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006313.D

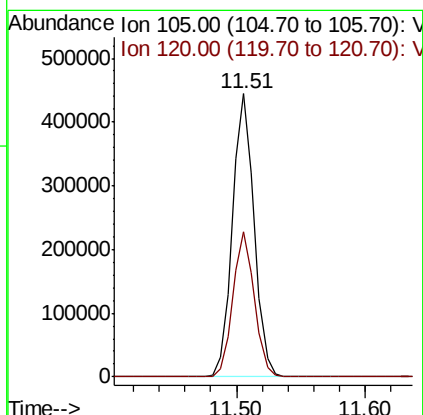
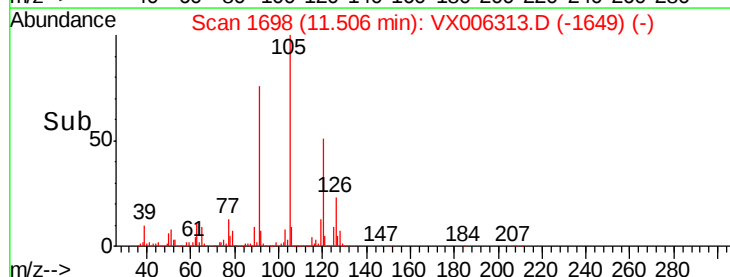
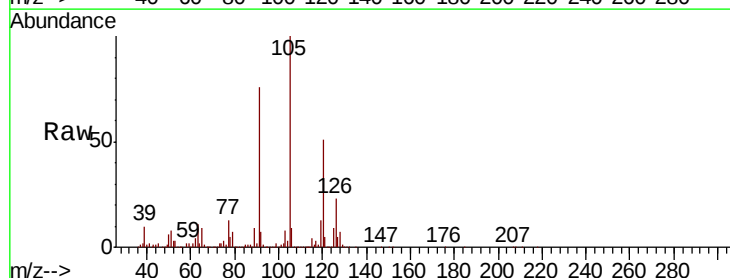
Acq: 06 Dec 2018 12:58

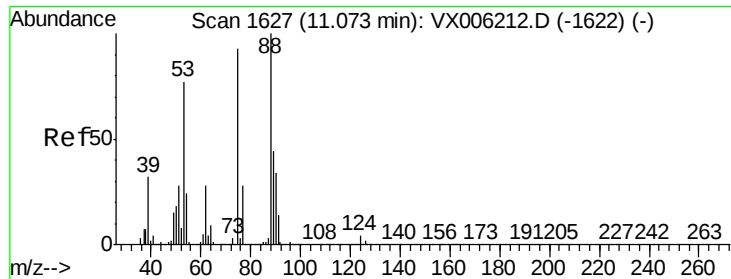
Tgt Ion: 105 Resp: 522527

Ion Ratio Lower Upper

105 100

120 50.6 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.979 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBS01

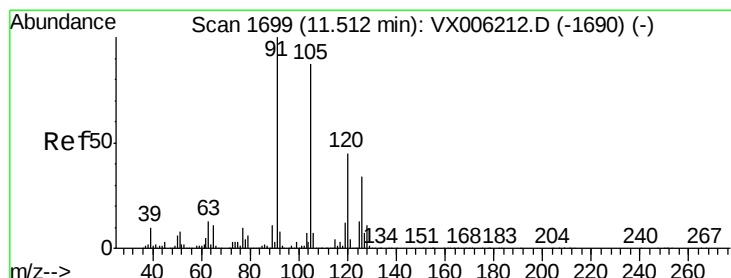
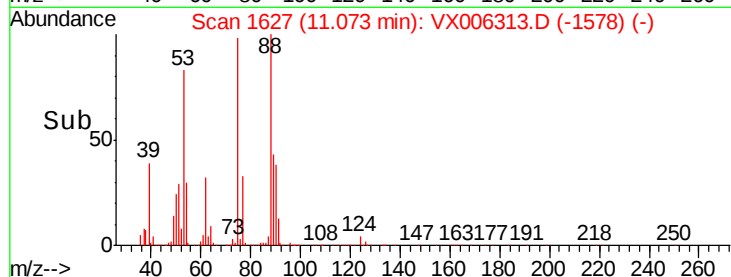
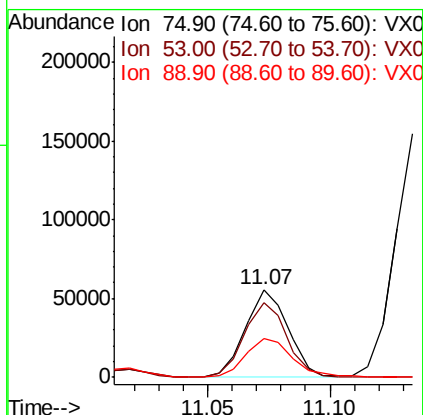
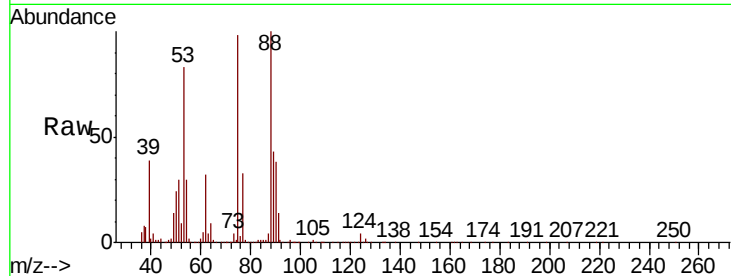
Tot Ion: 75 Resp: 67174

Ion Ratio Lower Upper

75 100

53 84.8 64.4 96.6

89 49.8 44.2 66.4



#82

4-Chlorotoluene

Concen: 19.639 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006313.D

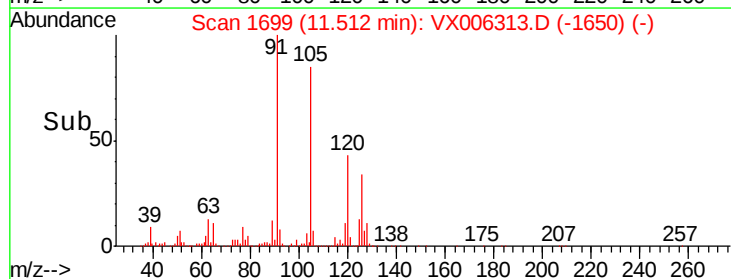
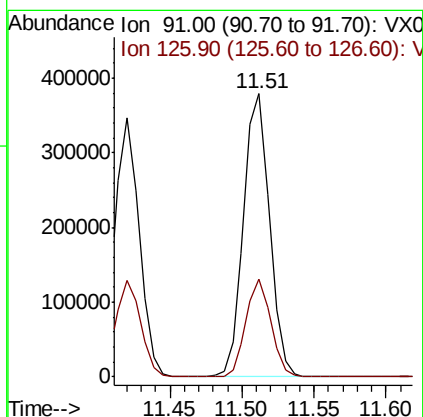
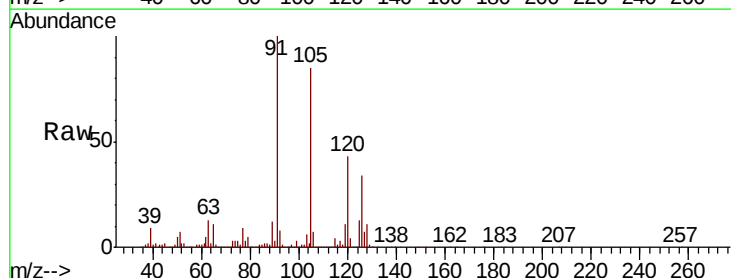
Acq: 06 Dec 2018 12:58

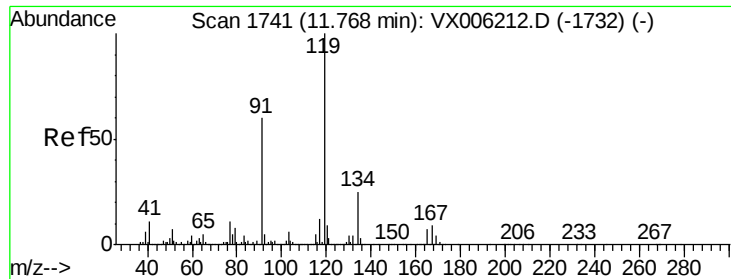
Tgt Ion: 91 Resp: 473253

Ion Ratio Lower Upper

91 100

126 33.0 16.4 49.4





#83

tert-Butylbenzene

Concen: 20.330 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampled :

VX1206WBS01

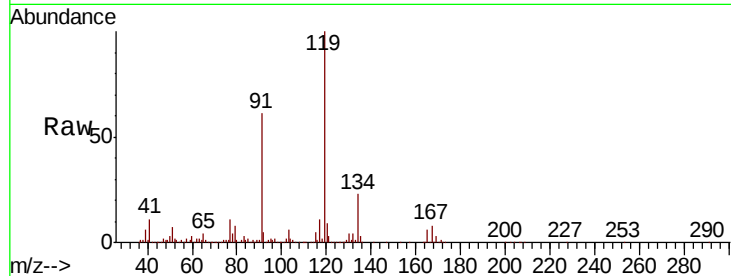
Tot Ion:119 Resp: 566165

Ion Ratio Lower Upper

119 100

91 53.1 26.4 79.2

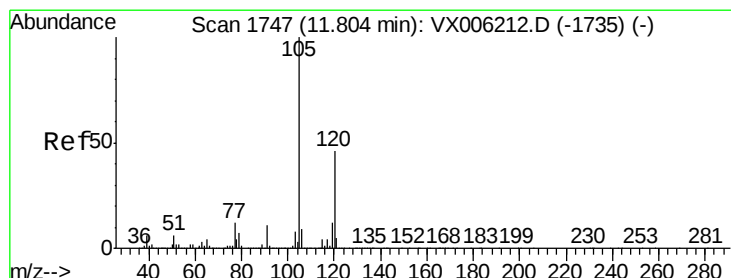
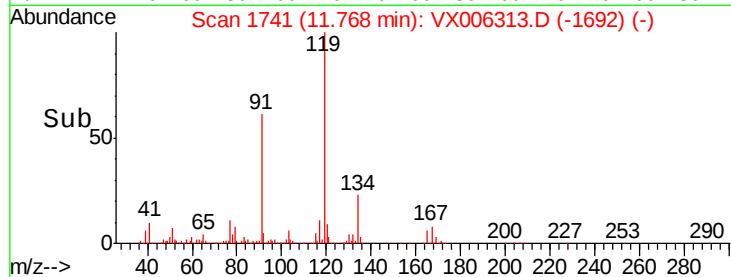
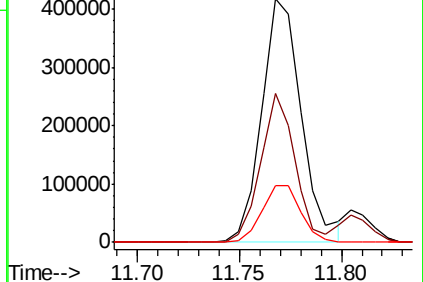
134 23.1 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.024 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006313.D

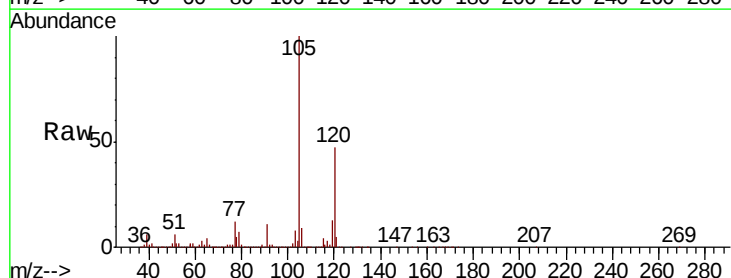
Acq: 06 Dec 2018 12:58

Tgt Ion:105 Resp: 539684

Ion Ratio Lower Upper

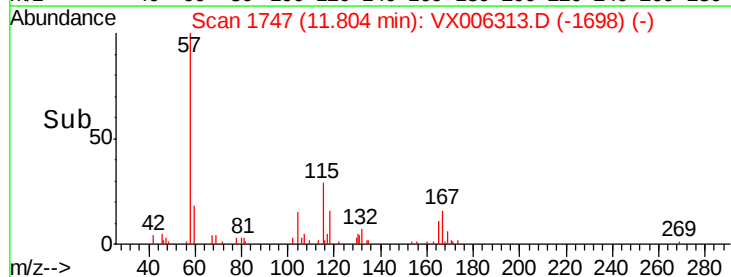
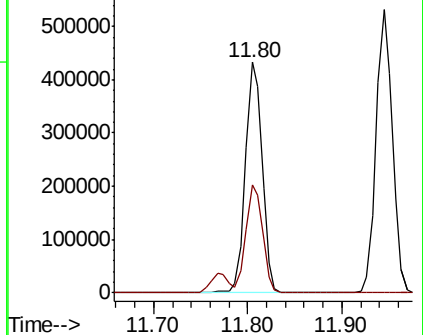
105 100

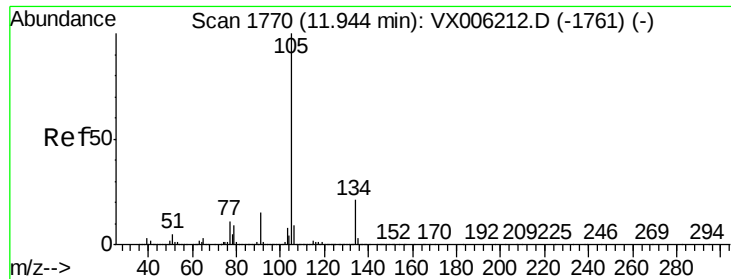
120 46.3 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.209 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

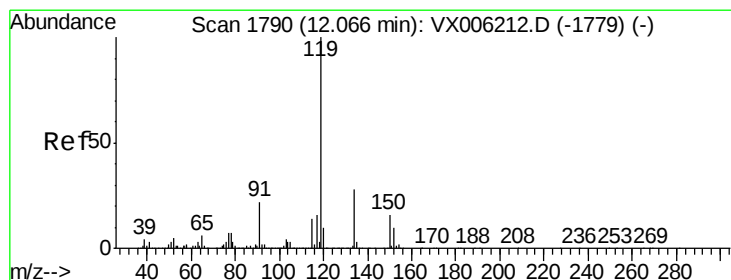
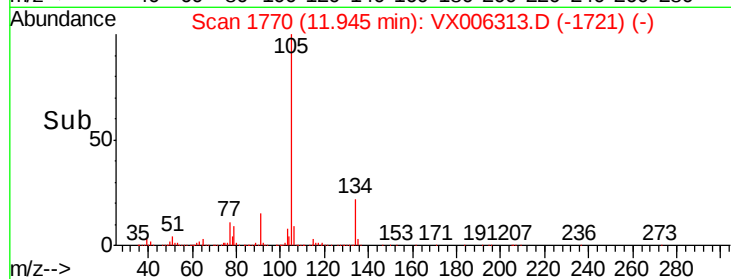
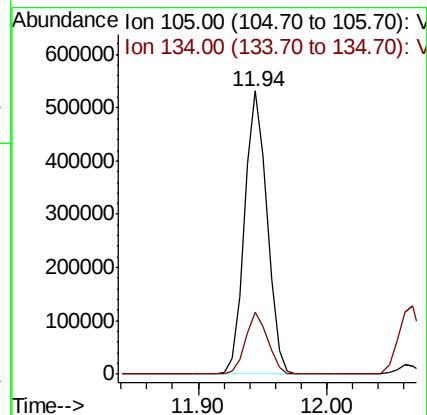
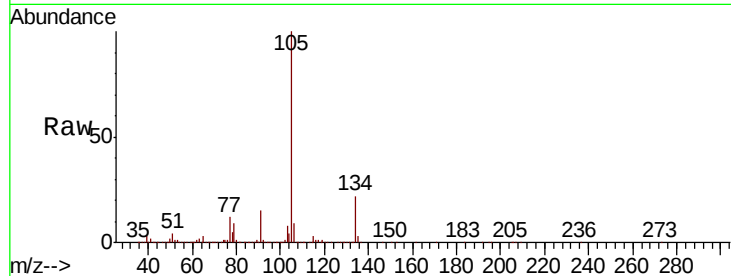
VX1206WBS01

Tot Ion:105 Resp: 640256

Ion Ratio Lower Upper

105 100

134 21.5 10.8 32.4



#86

p-Isopropyltoluene

Concen: 19.851 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

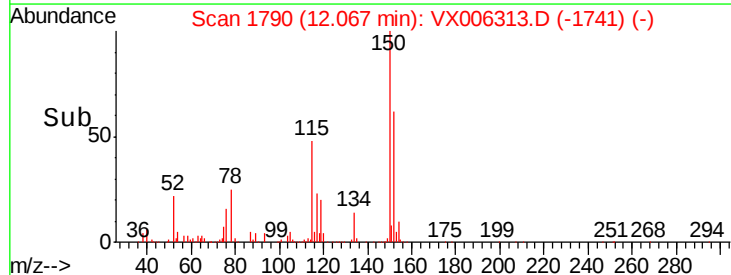
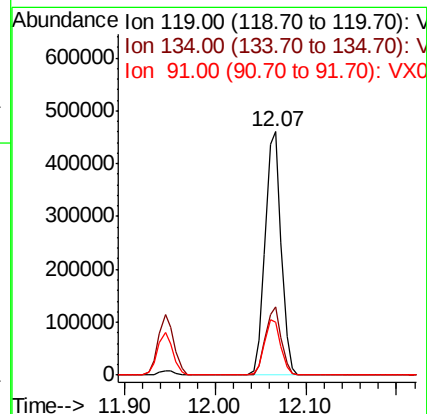
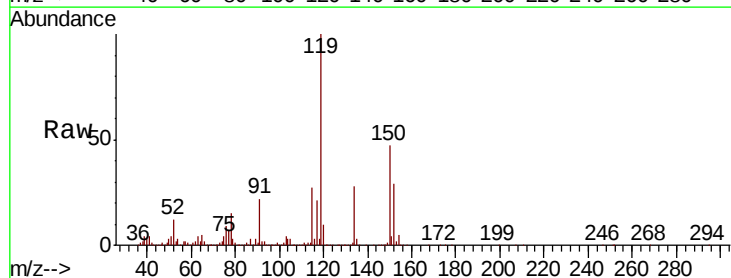
Tgt Ion:119 Resp: 566312

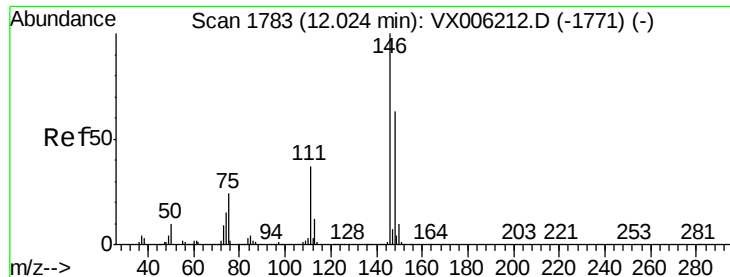
Ion Ratio Lower Upper

119 100

134 27.4 13.9 41.6

91 23.1 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 19.485 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBS01

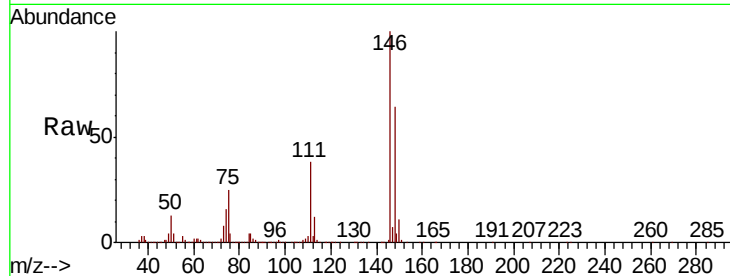
Tot Ion:146 Resp: 301844

Ion Ratio Lower Upper

146 100

111 38.0 18.4 55.2

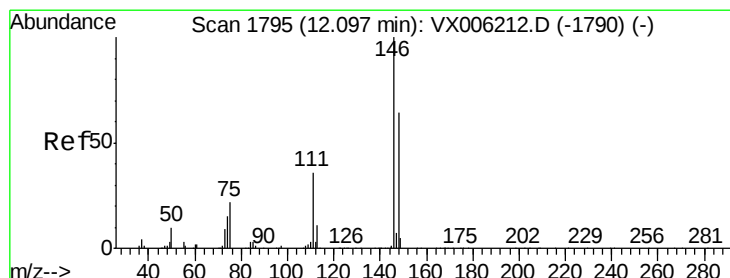
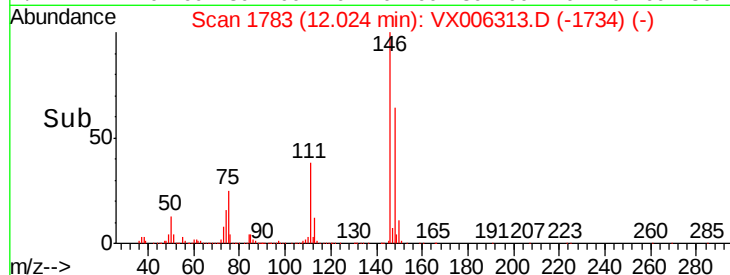
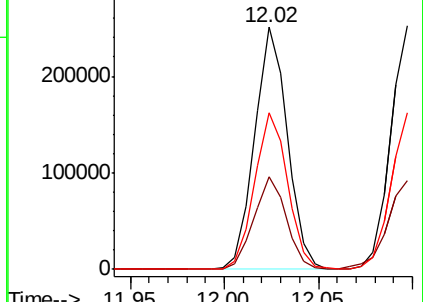
148 65.2 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.342 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

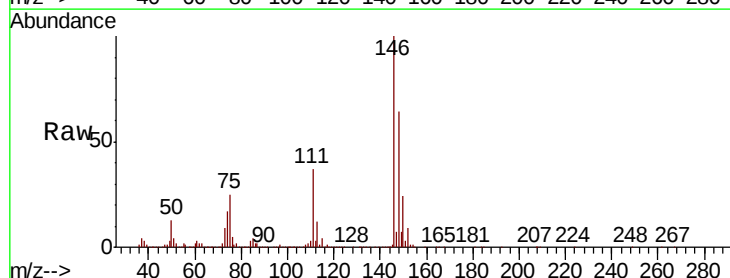
Tgt Ion:146 Resp: 304114

Ion Ratio Lower Upper

146 100

111 38.7 18.3 54.8

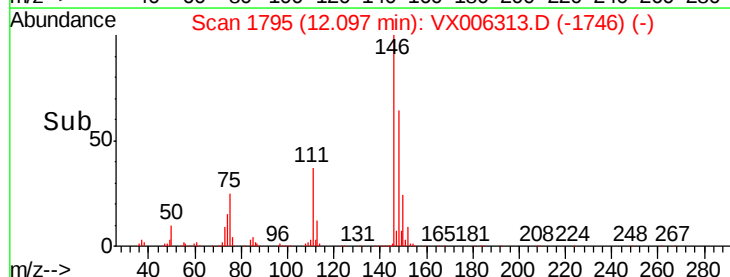
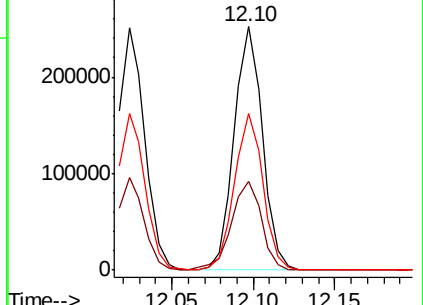
148 64.6 31.9 95.9

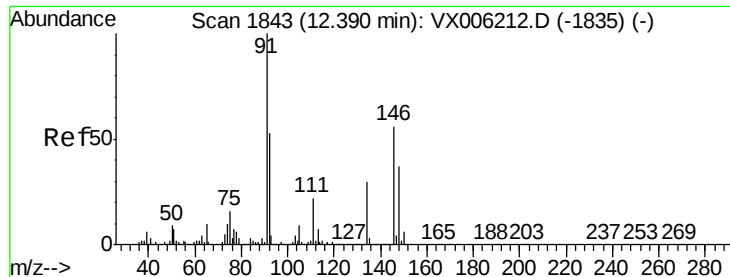


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.040 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBS01

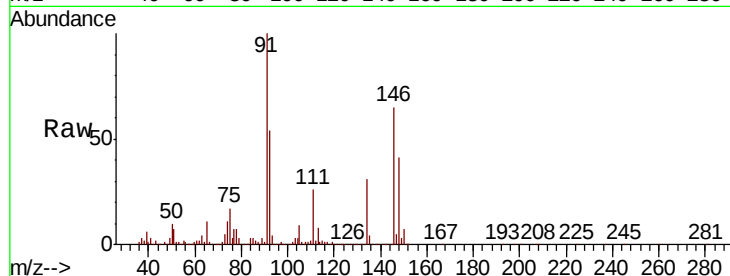
Tot Ion: 91 Resp: 463480

Ion Ratio Lower Upper

91 100

92 54.0 26.6 79.8

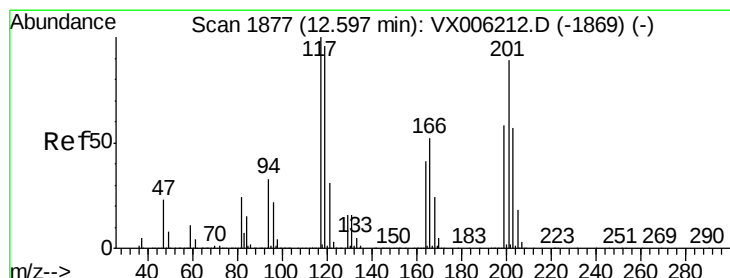
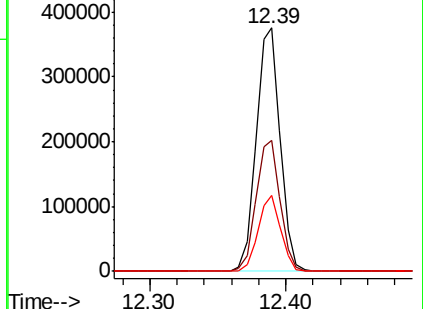
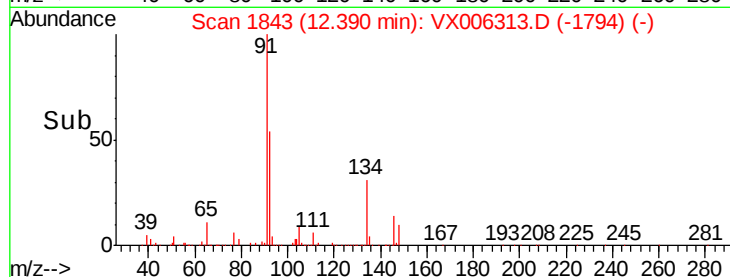
134 29.8 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX006313.D (-1794) (-)

Ion 92.00 (91.70 to 92.70): VX006313.D (-1794) (-)

Ion 134.00 (133.70 to 134.70): VX006313.D (-1794) (-)



#90

Hexachloroethane

Concen: 18.458 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006313.D

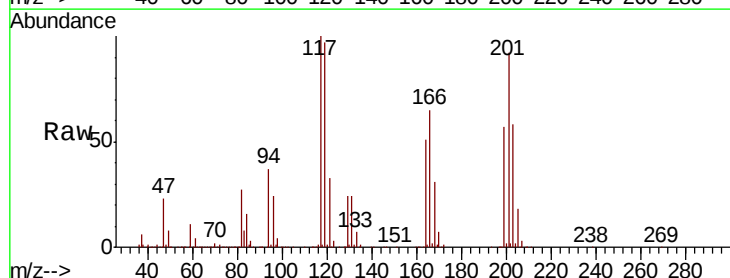
Acq: 06 Dec 2018 12:58

Tgt Ion: 117 Resp: 107320

Ion Ratio Lower Upper

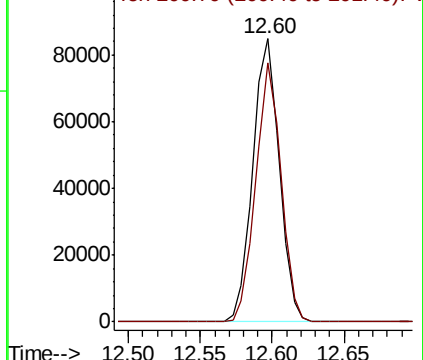
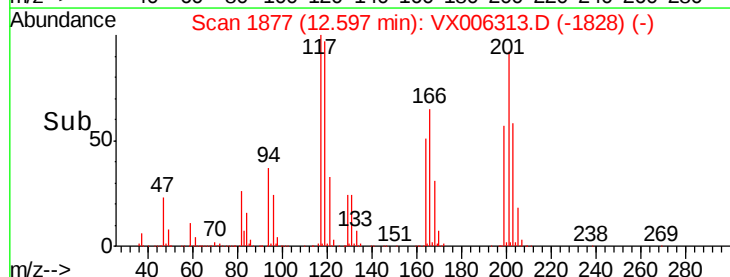
117 100

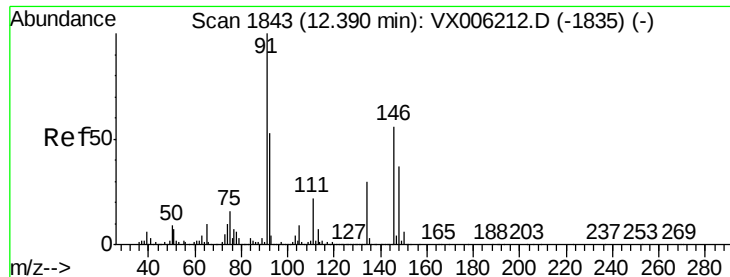
201 87.4 44.7 134.1



Abundance Ion 116.80 (116.50 to 117.50): VX006313.D (-1828) (-)

Ion 200.70 (200.40 to 201.40): VX006313.D (-1828) (-)





#91

1,2-Dichlorobenzene

Concen: 19.947 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX1206WBS01

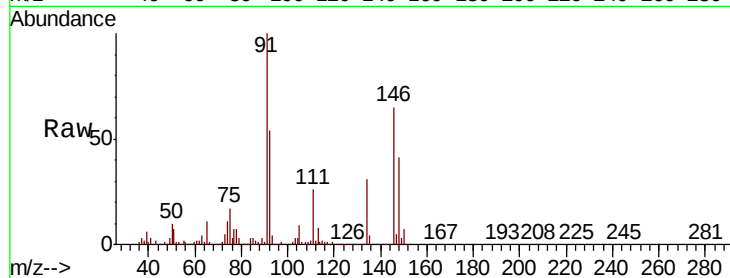
Tot Ion:146 Resp: 306664

Ion Ratio Lower Upper

146 100

111 40.0 19.1 57.3

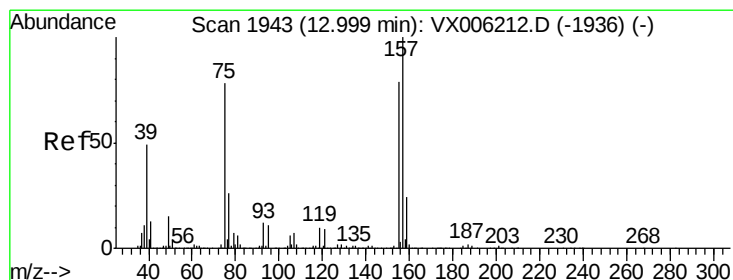
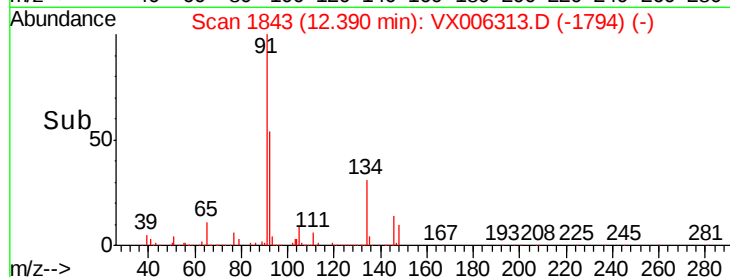
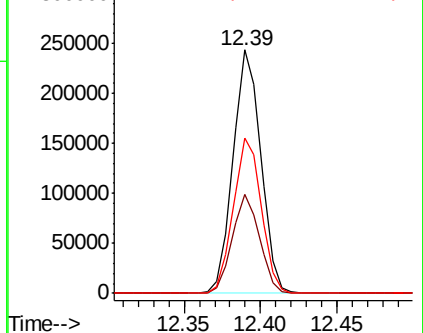
148 64.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.129 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

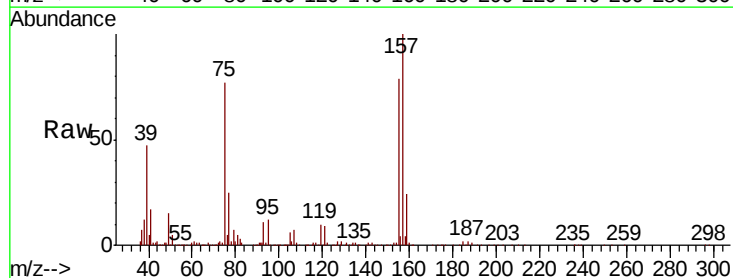
Tgt Ion: 75 Resp: 46641

Ion Ratio Lower Upper

75 100

155 99.7 53.4 160.3

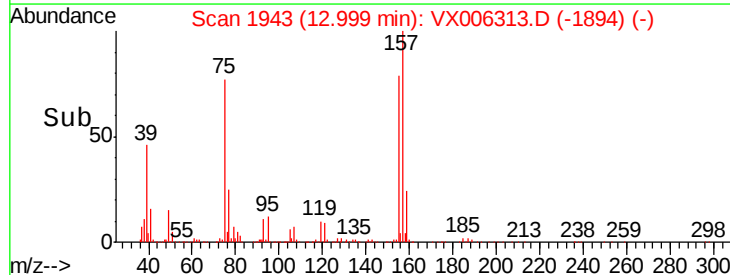
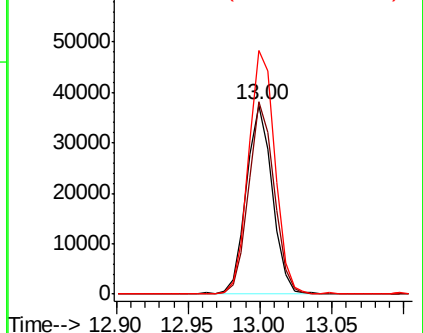
157 130.9 68.0 203.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

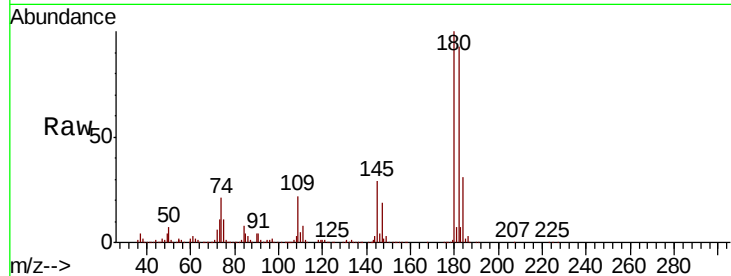




#93
 1,2,4-Trichlorobenzene
 Concen: 18.968 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006313.D
 Acq: 06 Dec 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.9
145	30.6	14.6	43.8

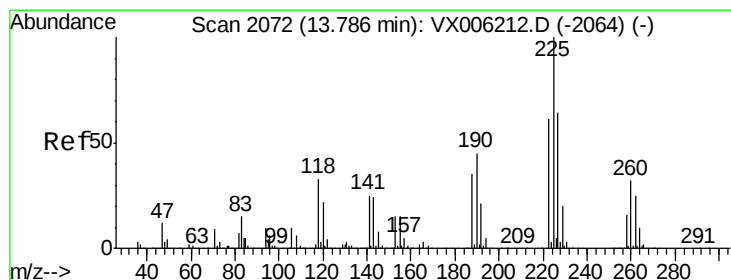
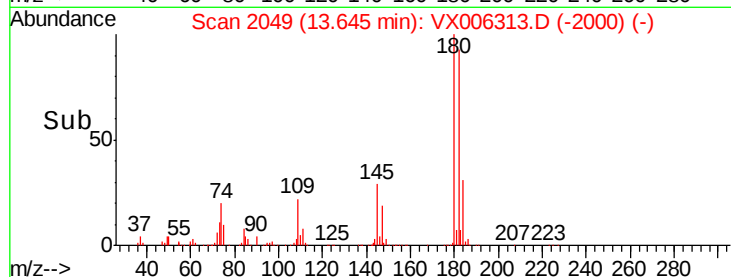
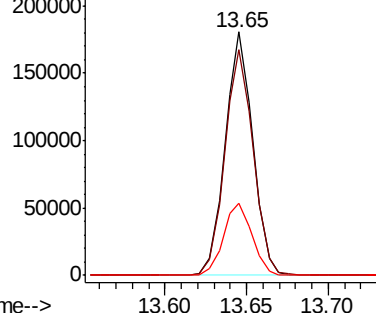


Abundance

Ion 179.80 (179.50 to 180.50): V

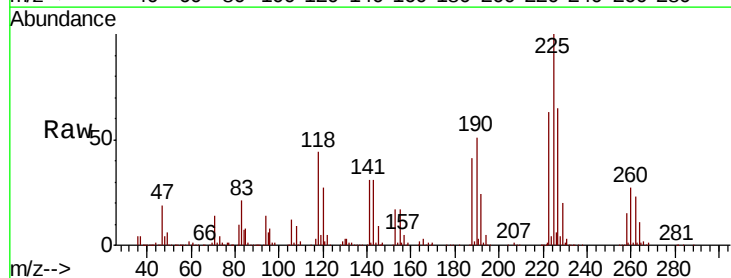
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.009 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006313.D
 Acq: 06 Dec 2018 12:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.2	93.6
227	64.2	31.9	95.5

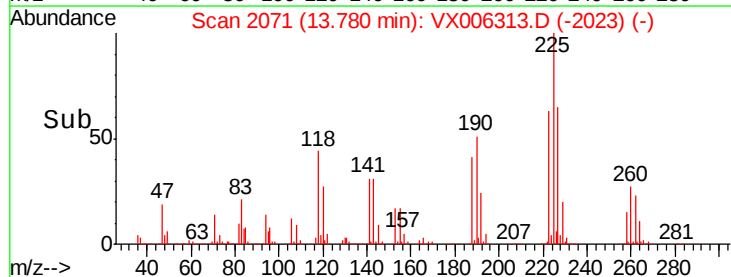
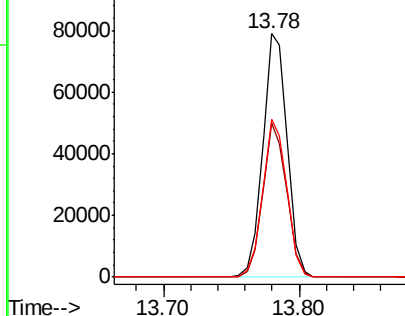


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.653 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Instrument :

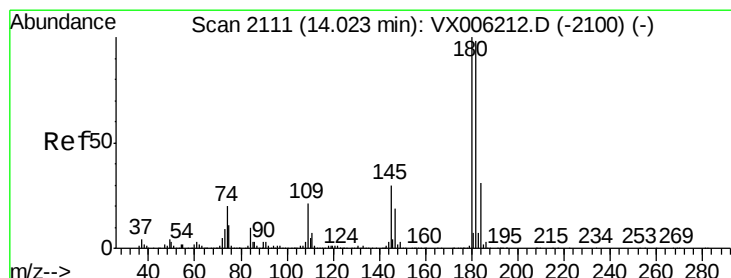
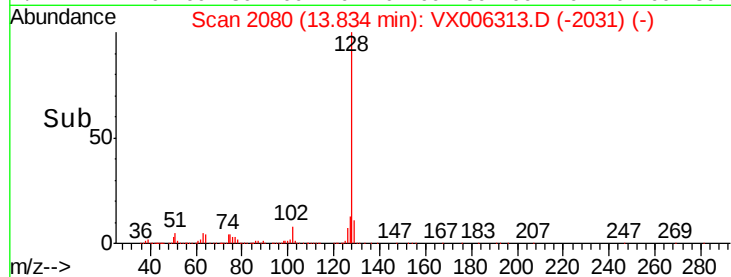
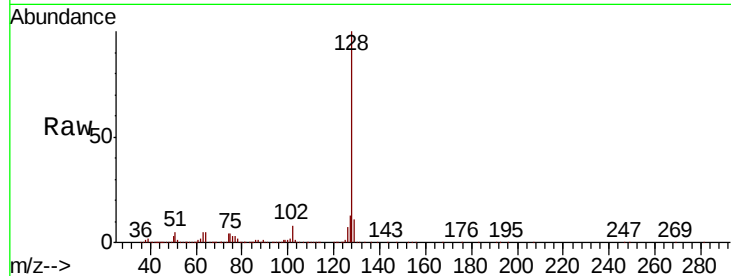
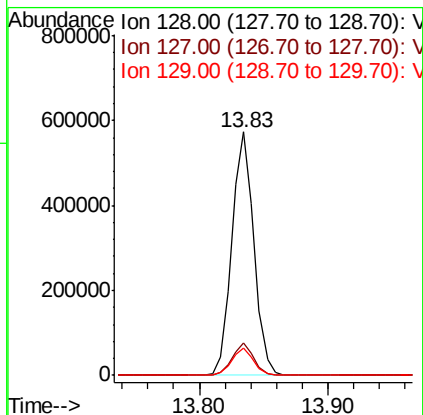
MSVOA_X

ClientSampleId :

VX1206WBS01

Tot Ion:128 Resp: 685689

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.1	8.9	13.3



#96

1,2,3-Trichlorobenzene

Concen: 19.152 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006313.D

Acq: 06 Dec 2018 12:58

Tgt Ion:180 Resp: 212766

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.4	145.2
145	32.5	15.6	46.8

