

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120318\
 Data File : VX006255.D
 Acq On : 03 Dec 2018 16:04
 Operator : JC/MD
 Sample : VX1203WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1203WBS01

Quant Time: Dec 04 04:57:04 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	720156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1108309	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	988674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	502914	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	365535	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
35) Dibromofluoromethane	5.50	113	349562	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	8.71	98	1248758	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	11.14	95	465408	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	151391	21.470	ug/l	99
3) Chloromethane	1.33	50	137989	19.043	ug/l	97
4) Vinyl Chloride	1.41	62	159502	20.452	ug/l	98
5) Bromomethane	1.64	94	112149	20.750	ug/l	99
6) Chloroethane	1.73	64	100846	21.090	ug/l	100
7) Trichlorofluoromethane	1.93	101	244135	20.393	ug/l	95
8) Diethyl Ether	2.19	74	91352	20.163	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	138783	20.388	ug/l	99
10) Methyl Iodide	2.51	142	204292	19.914	ug/l	99
11) Tert butyl alcohol	3.07	59	199857	99.406	ug/l	98
12) 1,1-Dichloroethene	2.38	96	129108	19.813	ug/l	94
13) Acrolein	2.30	56	92924	84.563	ug/l	100
14) Allyl chloride	2.73	41	252686	19.630	ug/l	99
15) Acrylonitrile	3.15	53	422693	100.751	ug/l	100
16) Acetone	2.45	43	359471	104.192	ug/l	100
17) Carbon Disulfide	2.57	76	387228	19.284	ug/l	99
18) Methyl Acetate	2.78	43	236378	20.487	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	471781	20.295	ug/l	100
20) Methylene Chloride	2.86	84	144697	19.707	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	139653	20.110	ug/l	95
22) Diisopropyl ether	3.87	45	409852	20.384	ug/l	98
23) Vinyl Acetate	3.82	43	1759834	102.620	ug/l	99
24) 1,1-Dichloroethane	3.70	63	237479	20.664	ug/l	99
25) 2-Butanone	4.70	43	507342	103.060	ug/l	100
26) 2,2-Dichloropropane	4.59	77	195649	18.447	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	161330	20.828	ug/l	97
28) Bromochloromethane	5.02	49	91983	18.324	ug/l	98
29) Tetrahydrofuran	5.16	42	345268	100.917	ug/l	99
30) Chloroform	5.22	83	250555	20.747	ug/l	96
31) Cyclohexane	5.58	56	214688	20.214	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	234843	20.437	ug/l	99
36) 1,1-Dichloropropene	5.80	75	177408	19.008	ug/l	97
37) Ethyl Acetate	4.85	43	203174	19.439	ug/l	98
38) Carbon Tetrachloride	5.79	117	215239	19.603	ug/l	98

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Quant Time: Dec 04 04:57:04 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)
39) Methylcyclohexane	7.46	83	232141	19.162	ug/l	99
40) Benzene	6.15	78	556098	19.894	ug/l	98
41) Methacrylonitrile	5.06	41	110099	19.144	ug/l	99
42) 1,2-Dichloroethane	6.20	62	186242	20.357	ug/l	100
43) Isopropyl Acetate	6.46	43	330017	18.938	ug/l	99
44) Trichloroethene	7.21	130	166258	19.633	ug/l	94
45) 1,2-Dichloropropane	7.52	63	140788	19.817	ug/l	99
46) Dibromomethane	7.66	93	100619	19.610	ug/l	100
47) Bromodichloromethane	7.90	83	199702	20.098	ug/l	98
48) Methyl methacrylate	7.77	41	162641	19.185	ug/l	100
49) 1,4-Dioxane	7.75	88	80516	385.346	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	992145	97.800	ug/l	98
52) Toluene	8.79	92	366157	19.910	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	220102	18.941	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	231222	19.162	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	153413	20.534	ug/l	98
56) Ethyl methacrylate	9.18	69	228610	19.573	ug/l	98
57) 1,3-Dichloropropane	9.37	76	236515	20.019	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	584002	98.532	ug/l	99
59) 2-Hexanone	9.49	43	750136	96.786	ug/l	100
60) Dibromochloromethane	9.59	129	178214	19.344	ug/l	99
61) 1,2-Dibromoethane	9.67	107	164843	19.732	ug/l	99
64) Tetrachloroethene	9.34	164	153237	20.581	ug/l	97
65) Chlorobenzene	10.14	112	422584	20.135	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	165373	20.280	ug/l	99
67) Ethyl Benzene	10.25	91	687064	19.683	ug/l	99
68) m/p-Xylenes	10.36	106	545446	39.009	ug/l	100
69) o-Xylene	10.70	106	274674	19.888	ug/l	100
70) Styrene	10.71	104	435674	19.504	ug/l	99
71) Bromoform	10.86	173	145852	18.948	ug/l	100
73) Isopropylbenzene	11.02	105	716858	20.640	ug/l	100
74) N-amyl acetate	10.90	43	292847	19.581	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	232095	20.889	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	268293	27.639	ug/l	86
77) Bromobenzene	11.26	156	195628	20.297	ug/l	99
78) n-propylbenzene	11.36	91	772315	20.005	ug/l	99
79) 2-Chlorotoluene	11.42	91	470138	20.489	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	581796	20.134	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	77930	18.840	ug/l	92
82) 4-Chlorotoluene	11.51	91	531207	19.911	ug/l	99
83) tert-Butylbenzene	11.77	119	626384	20.316	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	598201	20.048	ug/l	100
85) sec-Butylbenzene	11.94	105	710425	20.254	ug/l	100
86) p-Isopropyltoluene	12.07	119	636348	20.148	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	342052	19.945	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	337232	19.373	ug/l	98
89) n-Butylbenzene	12.39	91	525284	19.492	ug/l	99
90) Hexachloroethane	12.60	117	128707	19.994	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	340738	20.019	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55410	19.454	ug/l	95

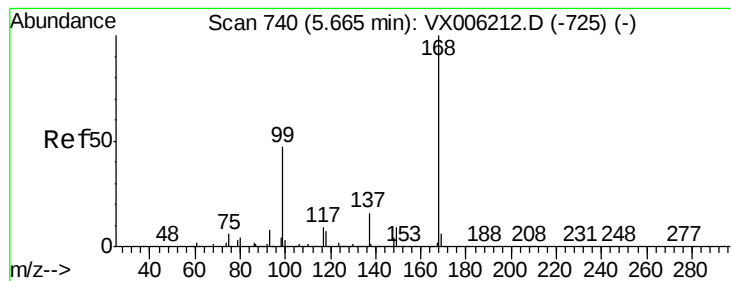
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120318\
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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	239624	19.297	ug/l	99
94) Hexachlorobutadiene	13.78	225	110131	20.054	ug/l	99
95) Naphthalene	13.83	128	775851	20.086	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	242104	19.684	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

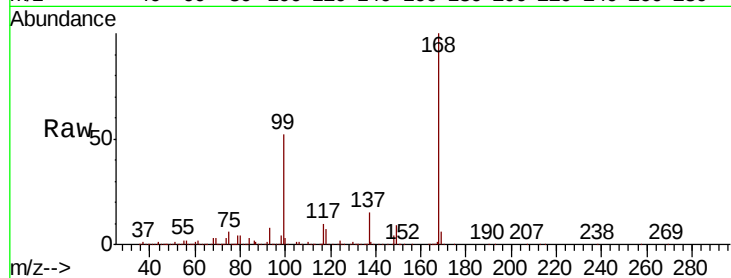
VX1203WBS01

Tot Ion:168 Resp: 720156

Ion Ratio Lower Upper

168 100

99 51.7 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

300000

250000

200000

150000

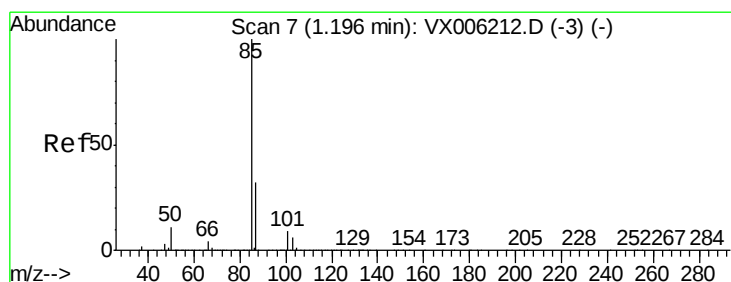
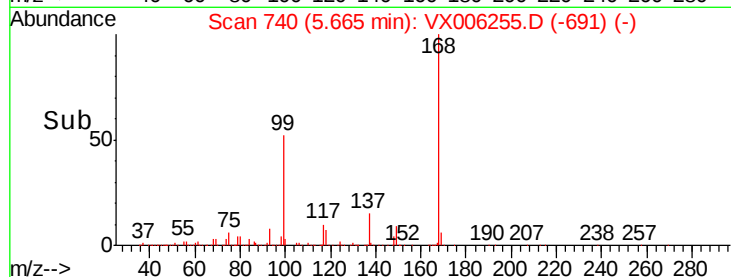
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.470 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX006255.D

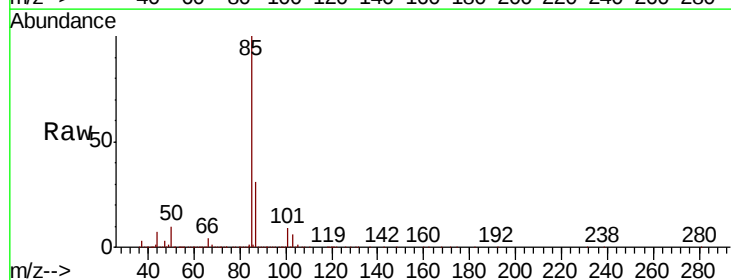
Acq: 03 Dec 2018 16:04

Tgt Ion: 85 Resp: 151391

Ion Ratio Lower Upper

85 100

87 31.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

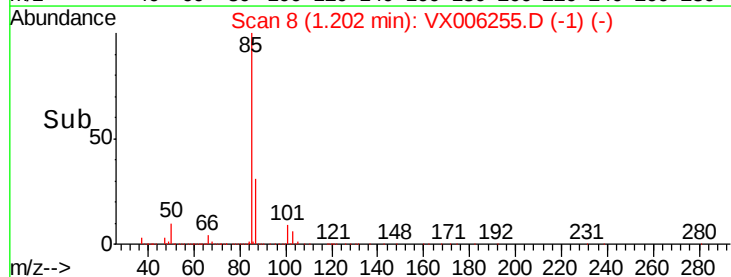
100000

50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.043 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

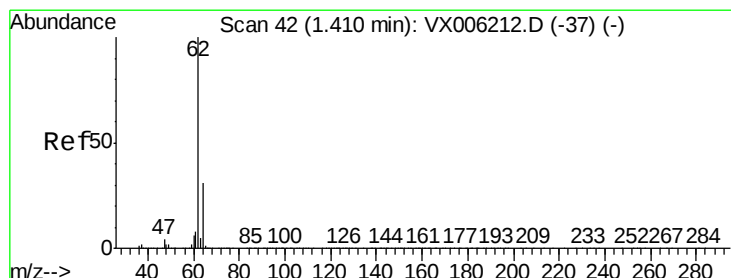
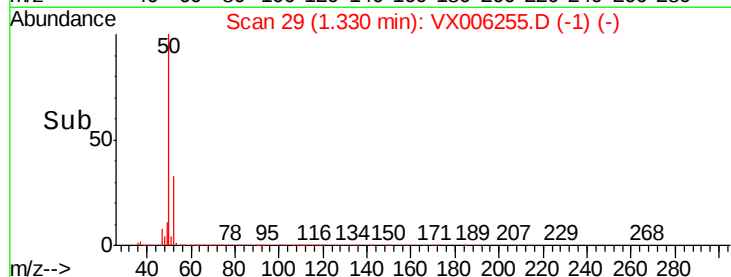
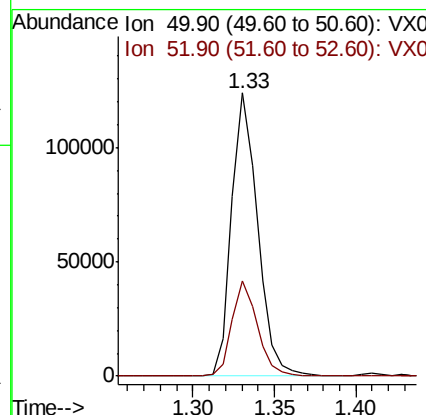
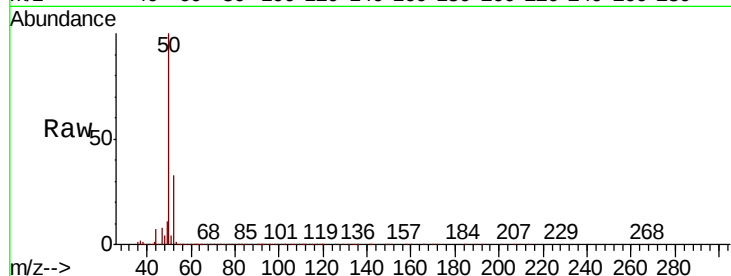
VX1203WBS01

Tot Ion: 50 Resp: 137989

Ion Ratio Lower Upper

50 100

52 33.3 25.2 37.8



#4

Vinyl Chloride

Concen: 20.452 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006255.D

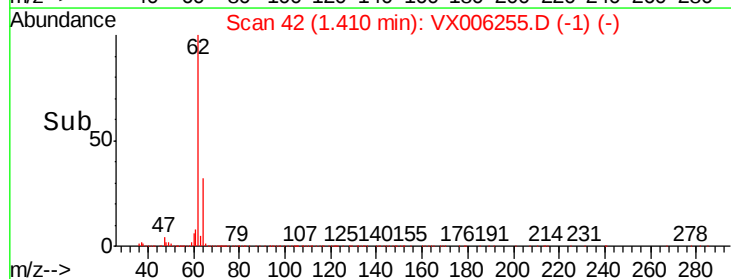
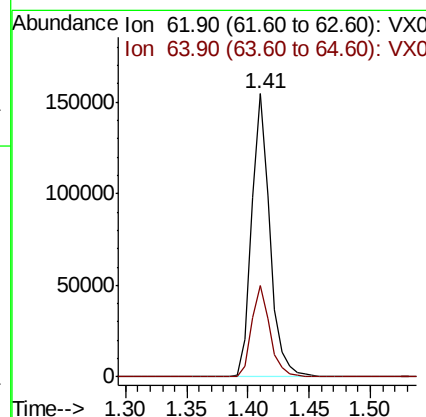
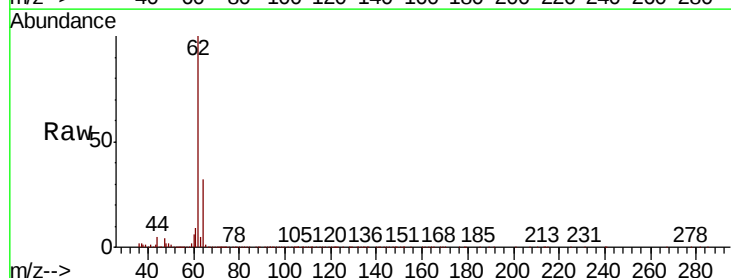
Acq: 03 Dec 2018 16:04

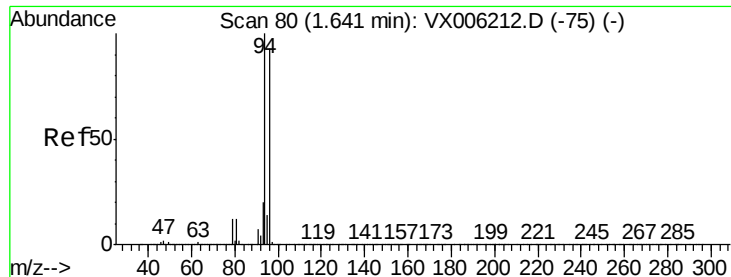
Tgt Ion: 62 Resp: 159502

Ion Ratio Lower Upper

62 100

64 32.0 24.9 37.3





#5

Bromomethane

Concen: 20.750 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

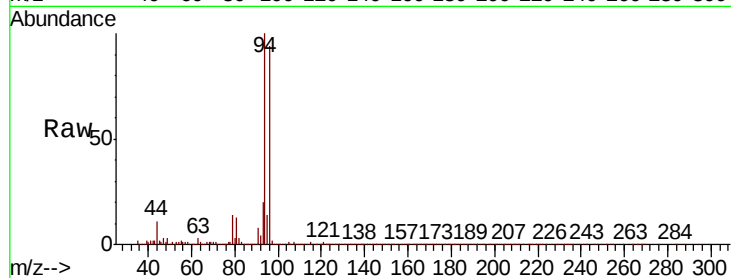
VX1203WBS01

Tot Ion: 94 Resp: 112149

Ion Ratio Lower Upper

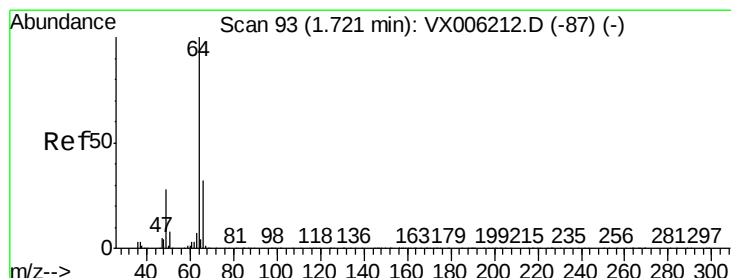
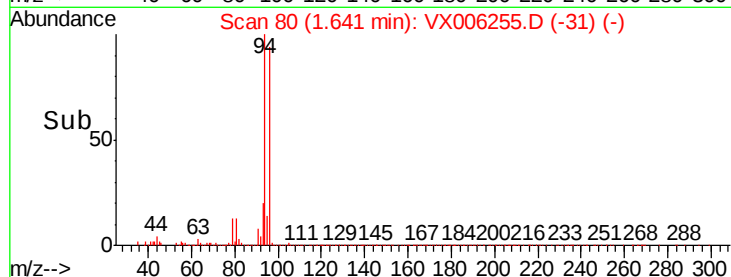
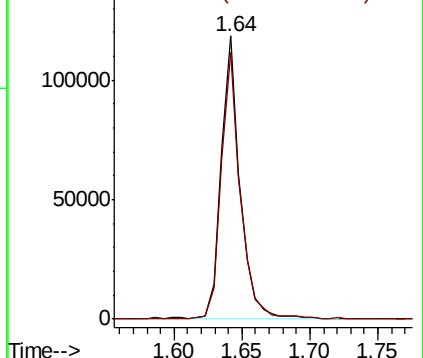
94 100

96 94.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.090 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006255.D

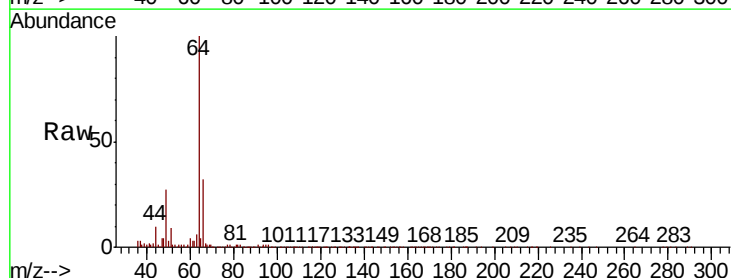
Acq: 03 Dec 2018 16:04

Tgt Ion: 64 Resp: 100846

Ion Ratio Lower Upper

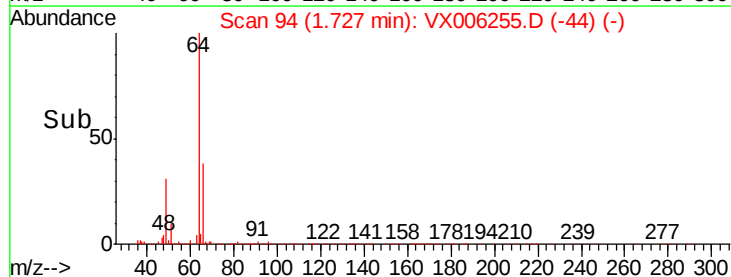
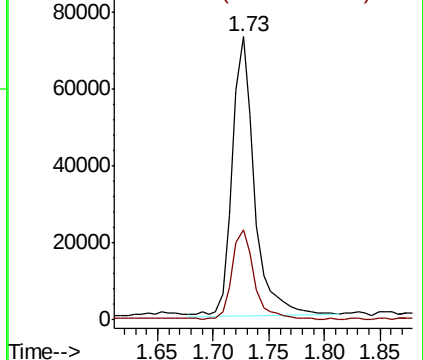
64 100

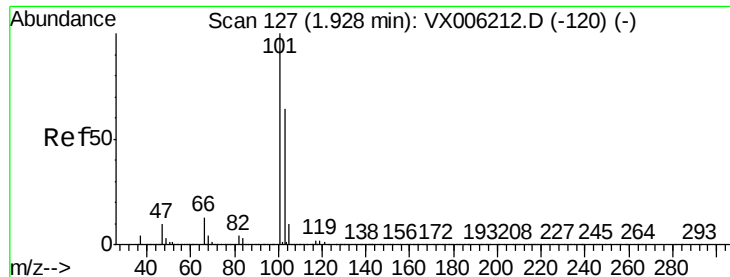
66 32.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



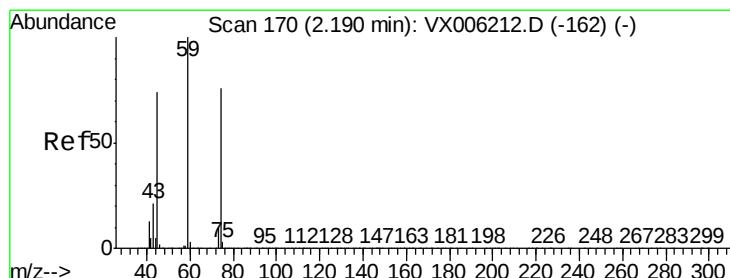
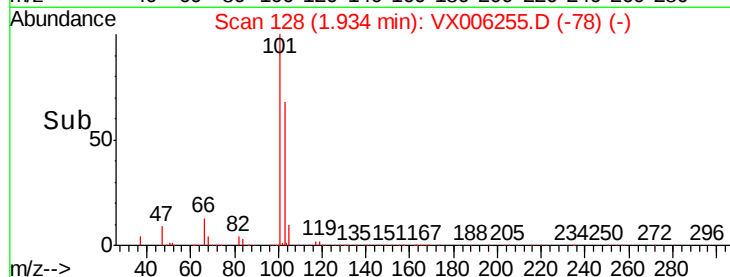
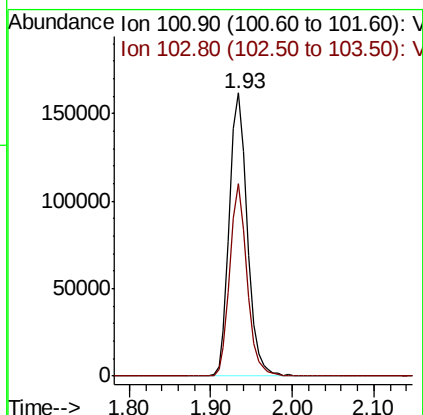
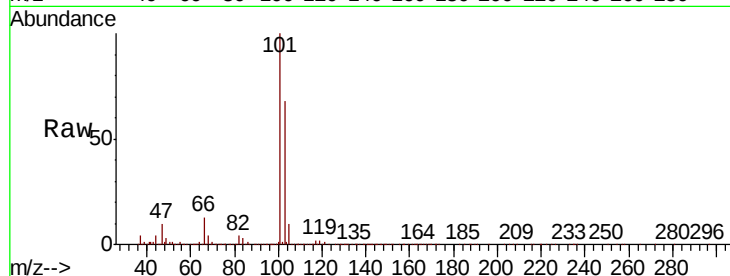


#7

Trichlorofluoromethane
Concen: 20.393 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

Instrument :
MSVOA_X
ClientSampleId :
VX1203WBS01

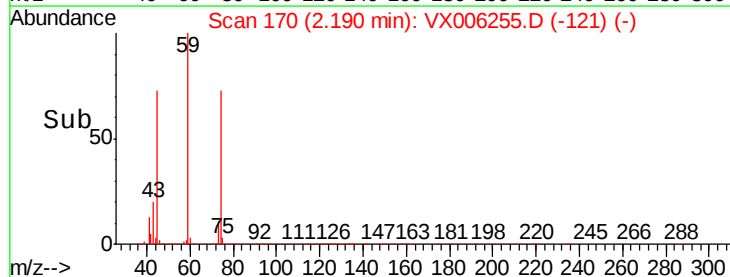
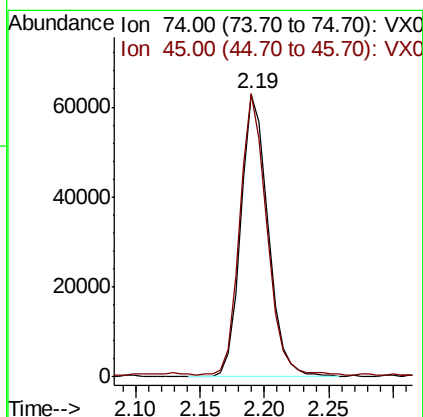
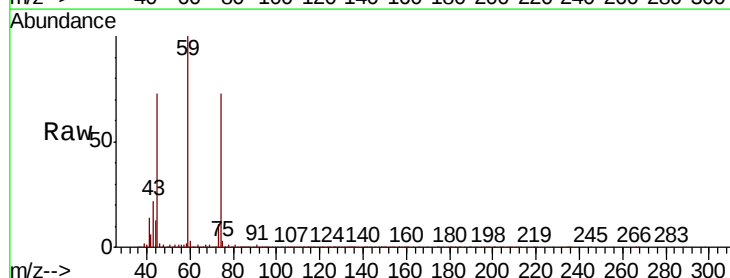
Tot Ion:101 Resp: 244135
Ion Ratio Lower Upper
101 100
103 67.9 51.0 76.4

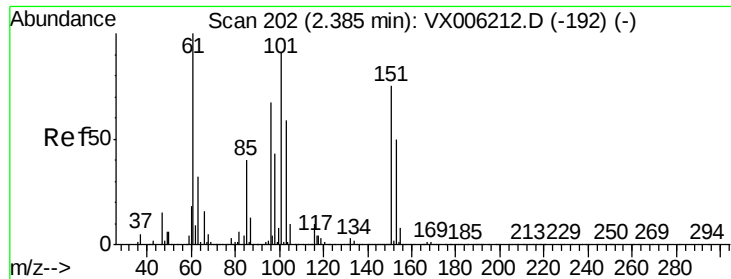


#8

Diethyl Ether
Concen: 20.163 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

Tgt Ion: 74 Resp: 91352
Ion Ratio Lower Upper
74 100
45 99.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.388 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VX1203WBS01

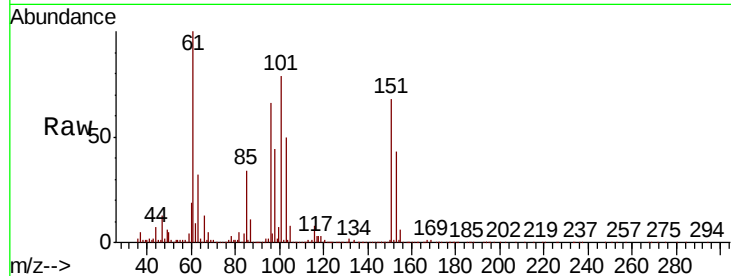
Tot Ion:101 Resp: 138783

Ion Ratio Lower Upper

101 100

85 43.2 35.5 53.3

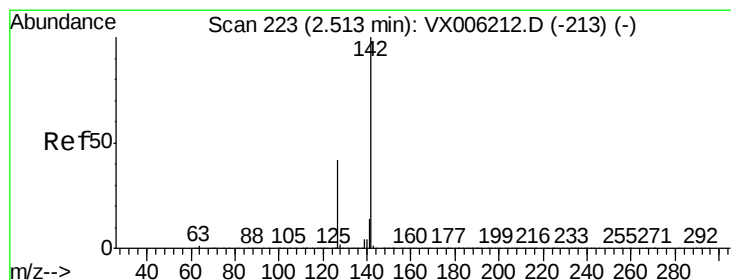
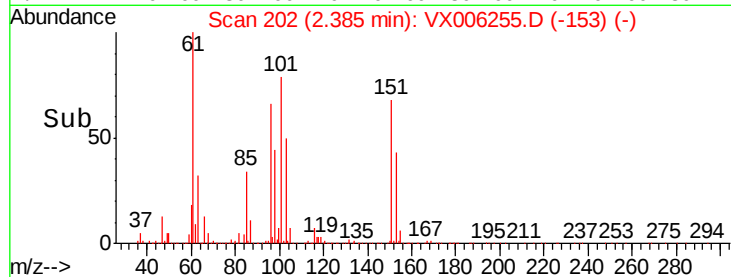
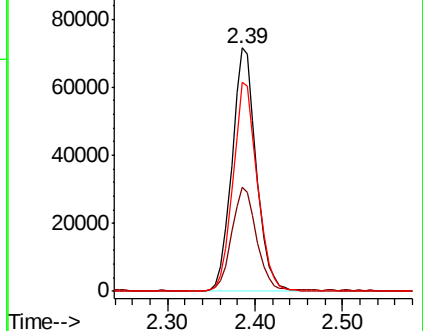
151 86.1 68.6 103.0



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: 19.914 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

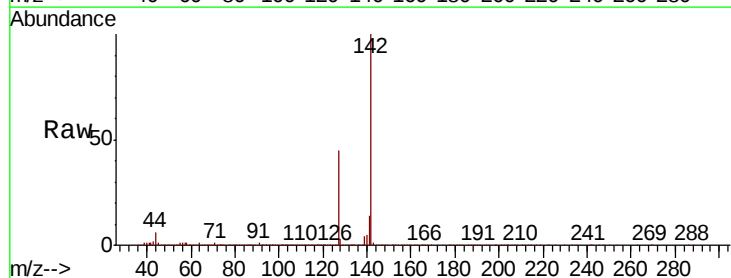
Tgt Ion:142 Resp: 204292

Ion Ratio Lower Upper

142 100

127 44.1 34.8 52.2

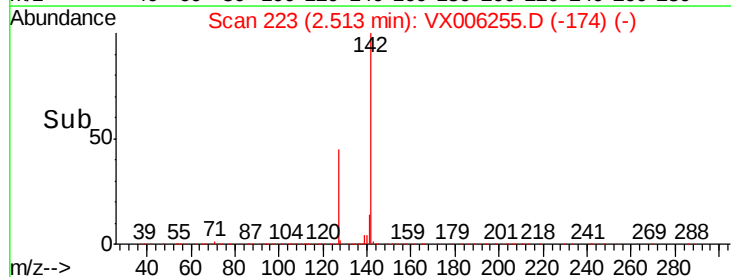
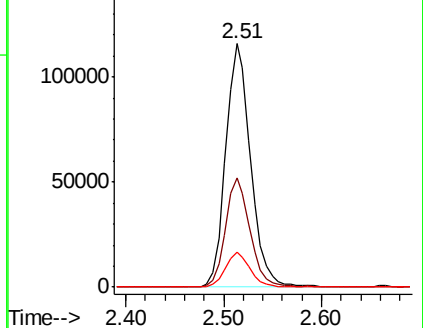
141 14.2 11.4 17.2

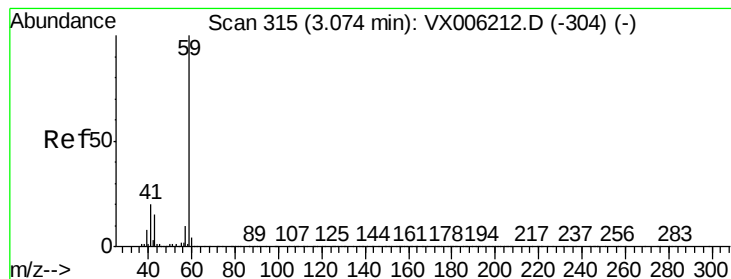


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



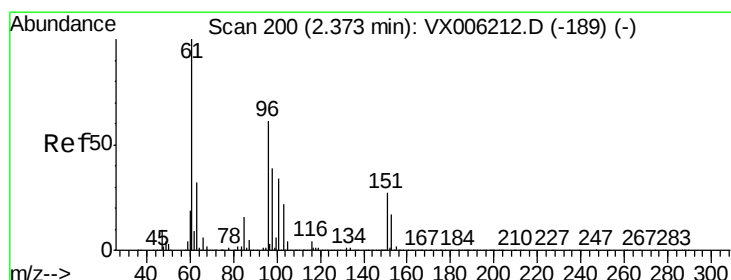
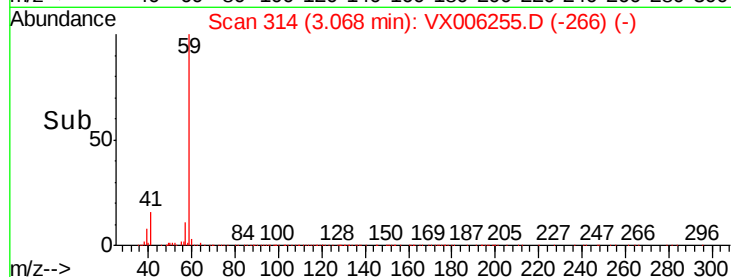
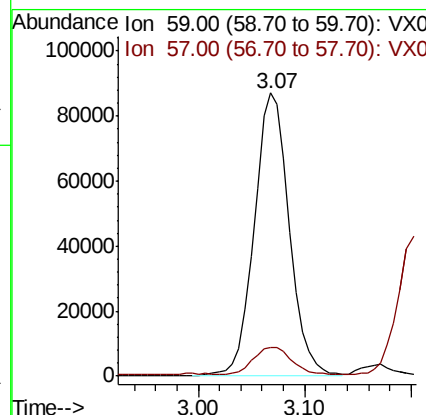
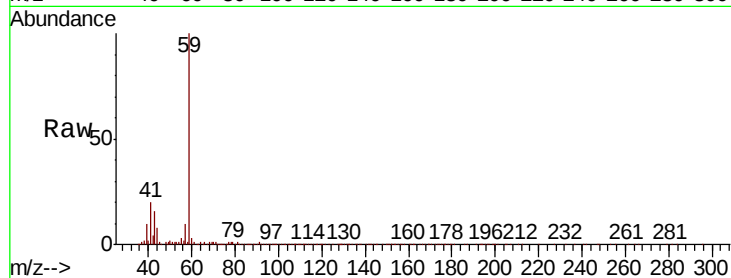


#11

Tert butyl alcohol
 Concen: 99.406 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX006255.D
 Acq: 03 Dec 2018 16:04

Instrument :
 MSVOA_X
 ClientSampled :
 VX1203WBS01

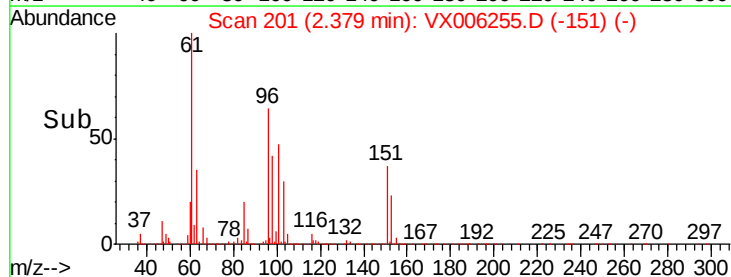
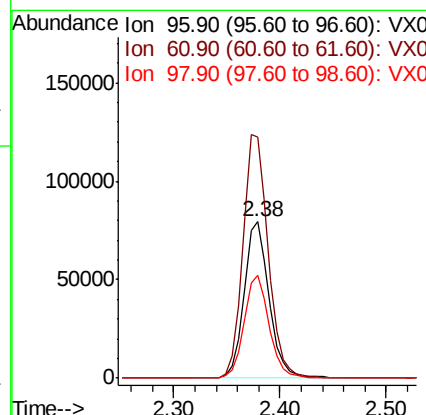
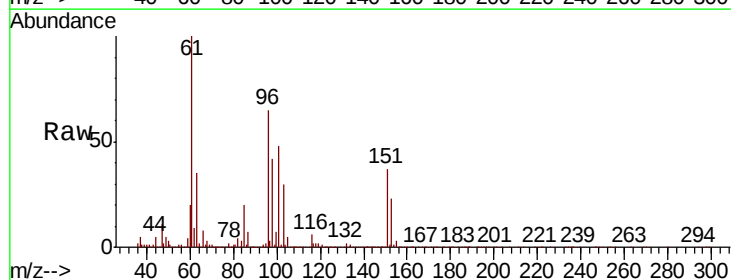
Tot Ion: 59 Resp: 199857
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.2 12.2

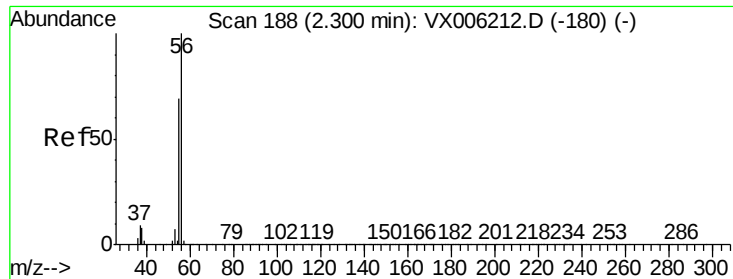


#12

1,1-Dichloroethene
 Concen: 19.813 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX006255.D
 Acq: 03 Dec 2018 16:04

Tgt Ion: 96 Resp: 129108
 Ion Ratio Lower Upper
 96 100
 61 154.5 131.7 197.5
 98 65.5 51.8 77.6





#13

Acrolein

Concen: 84.563 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

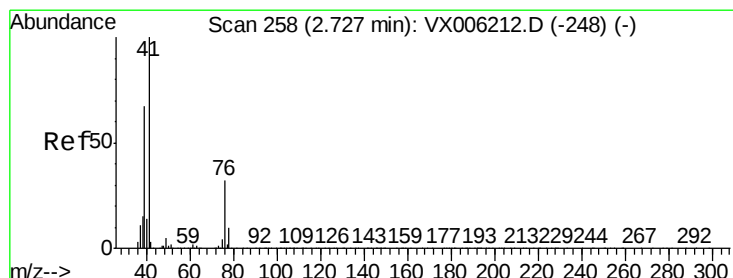
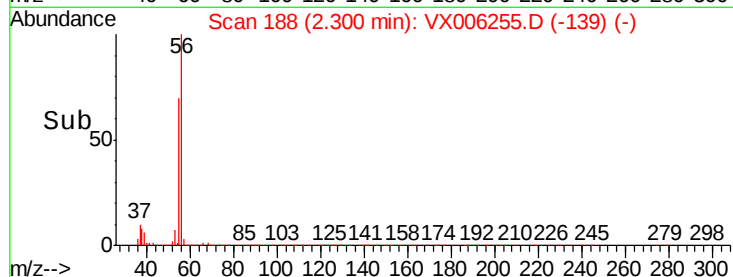
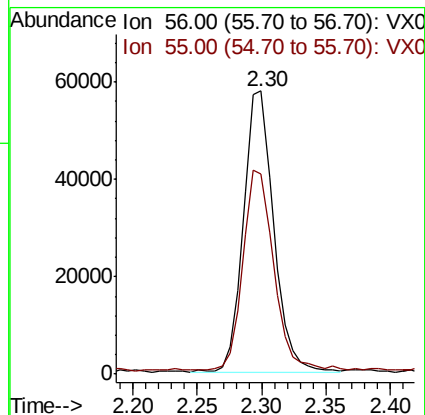
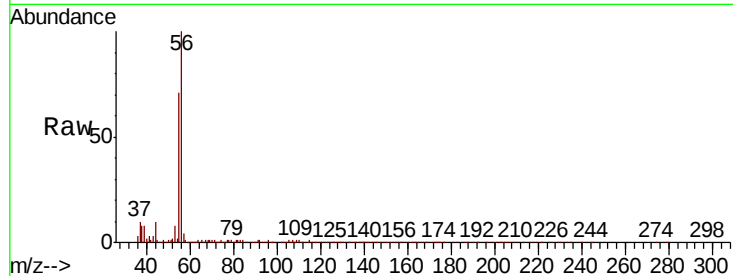
VX1203WBS01

Tot Ion: 56 Resp: 92924

Ion Ratio Lower Upper

56 100

55 72.1 57.8 86.6



#14

Allyl chloride

Concen: 19.630 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

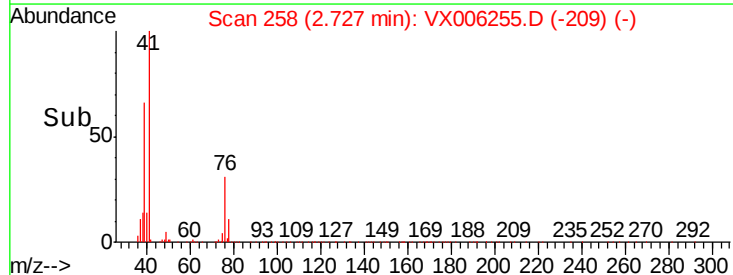
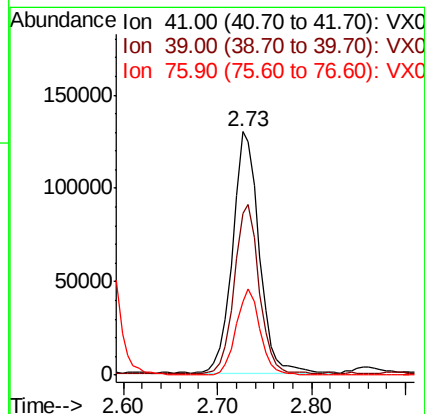
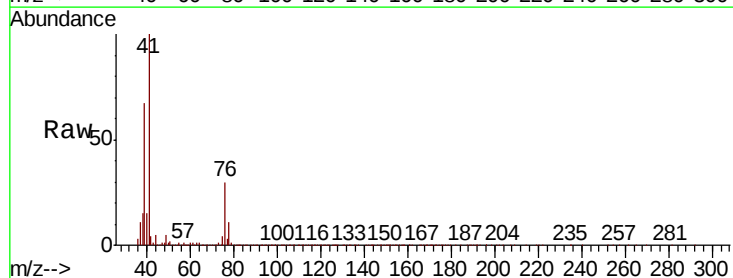
Tgt Ion: 41 Resp: 252686

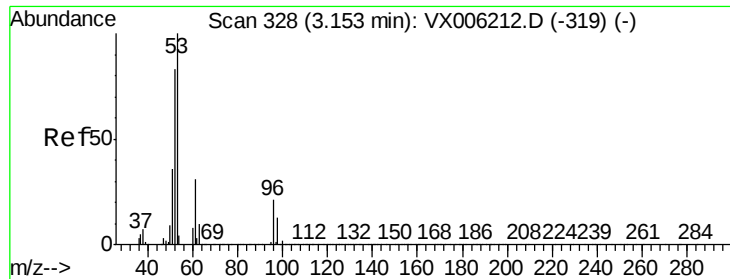
Ion Ratio Lower Upper

41 100

39 65.2 52.4 78.6

76 32.2 25.4 38.0





#15

Acrylonitrile

Concen: 100.751 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampled :

VX1203WBS01

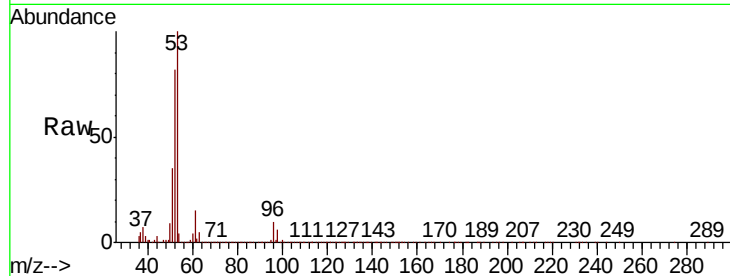
Tot Ion: 53 Resp: 422693

Ion Ratio Lower Upper

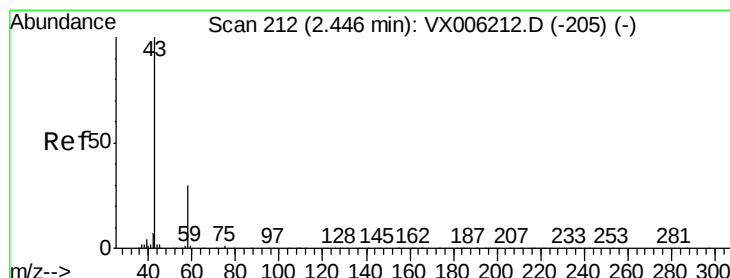
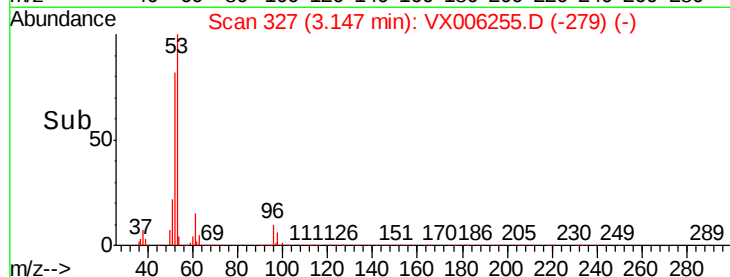
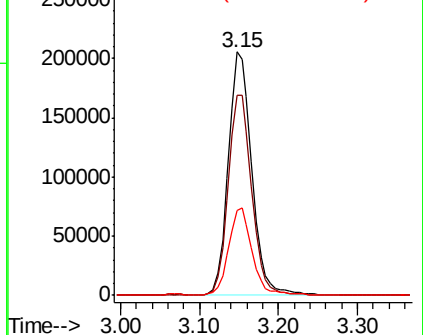
53 100

52 82.9 66.2 99.4

51 35.7 28.7 43.1



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



#16

Acetone

Concen: 104.192 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006255.D

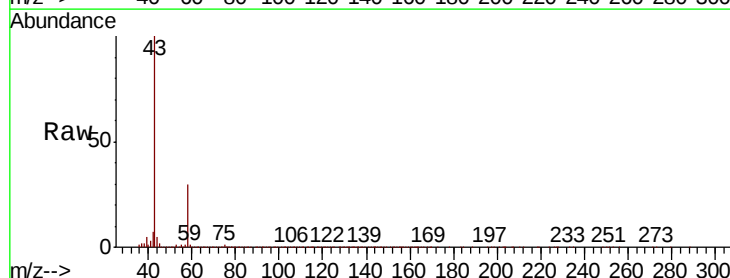
Acq: 03 Dec 2018 16:04

Tgt Ion: 43 Resp: 359471

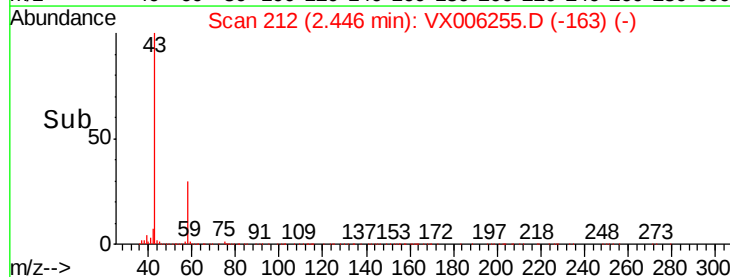
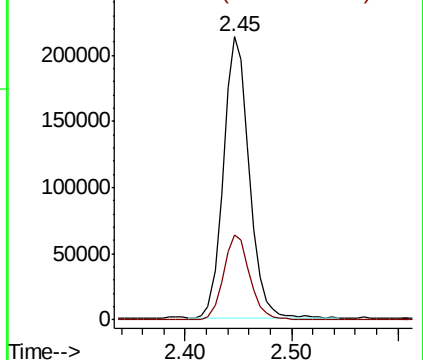
Ion Ratio Lower Upper

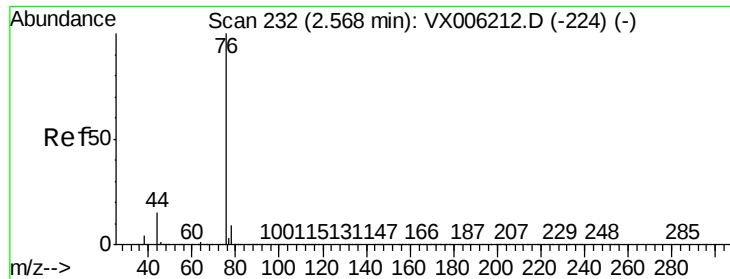
43 100

58 29.9 24.0 36.0



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

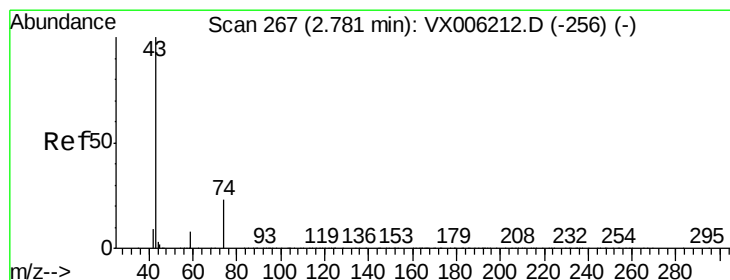
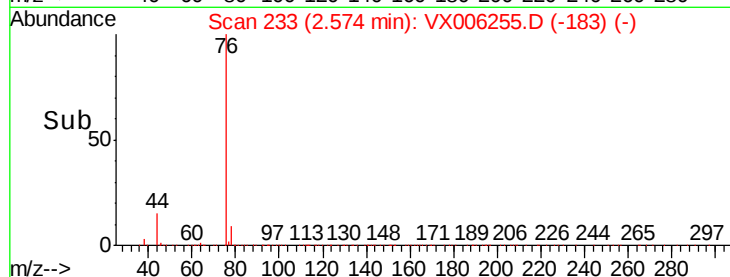
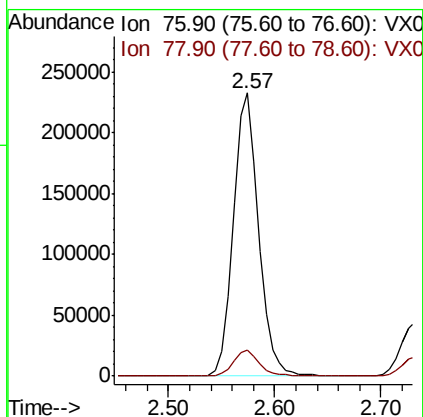
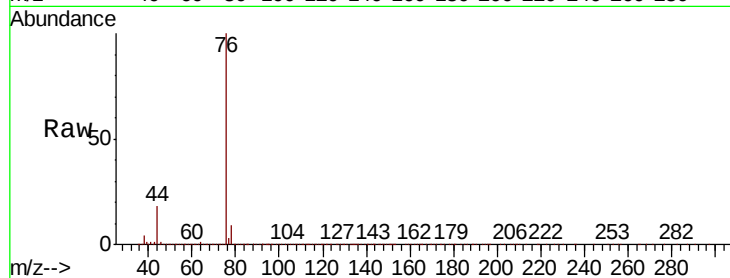




#17
Carbon Disulfide
Concen: 19.284 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

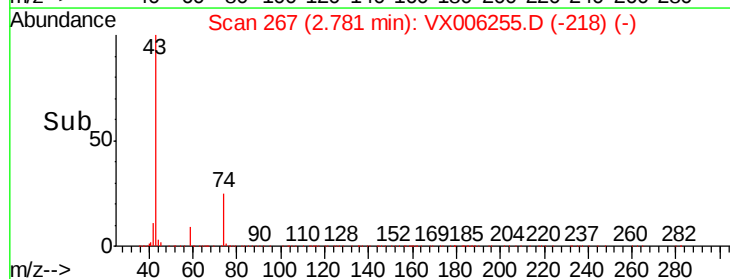
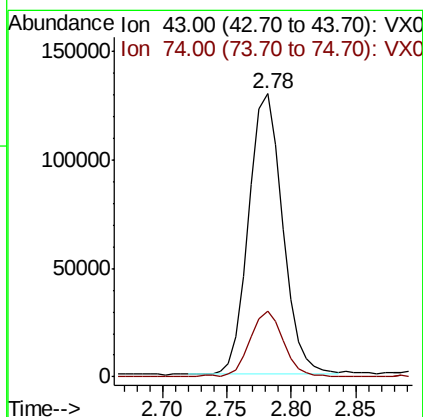
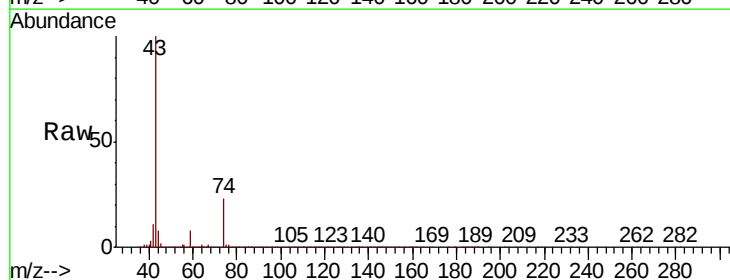
Instrument :
MSVOA_X
ClientSampled :
VX1203WBS01

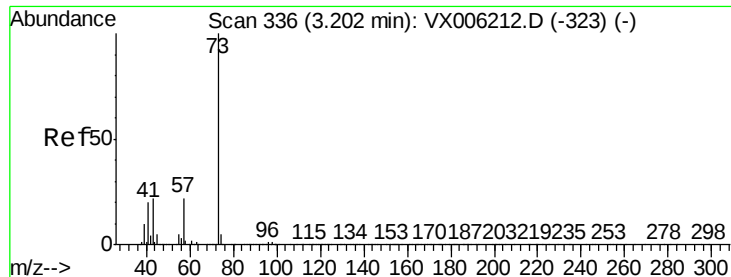
Tot Ion: 76 Resp: 387228
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 20.487 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

Tgt Ion: 43 Resp: 236378
Ion Ratio Lower Upper
43 100
74 23.6 17.9 26.9

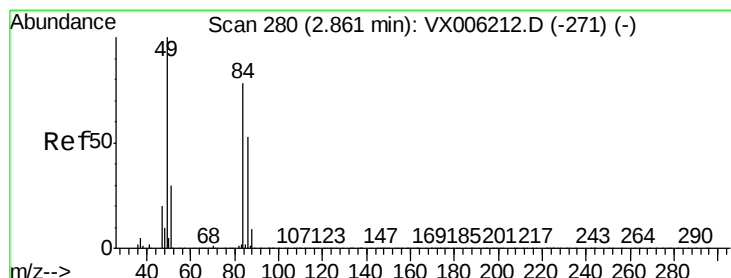
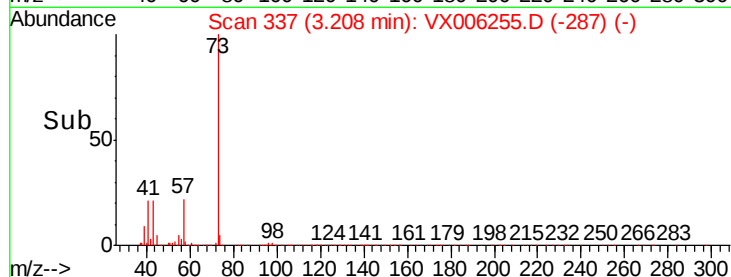
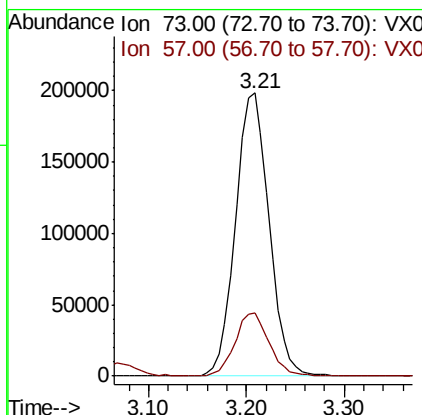
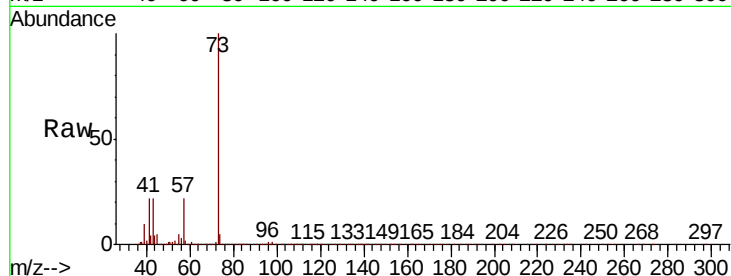




#19
Methvl tert-butvl Ether
Concen: 20.295 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

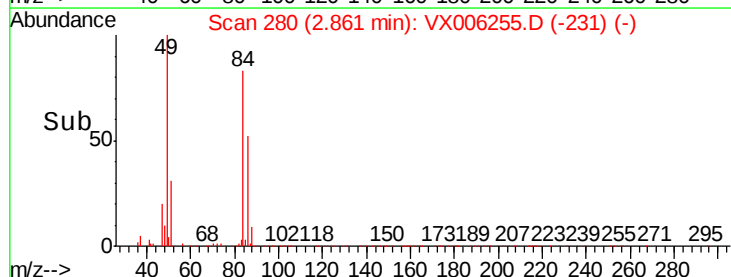
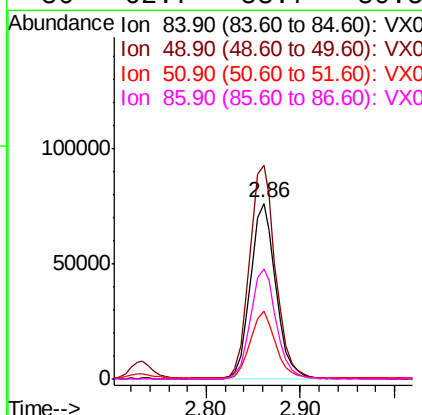
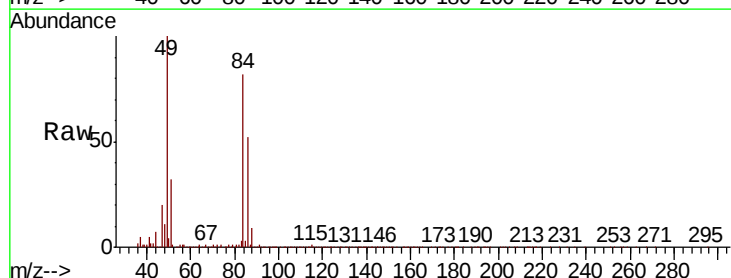
Instrument :
MSVOA_X
ClientSampleId :
VX1203WBS01

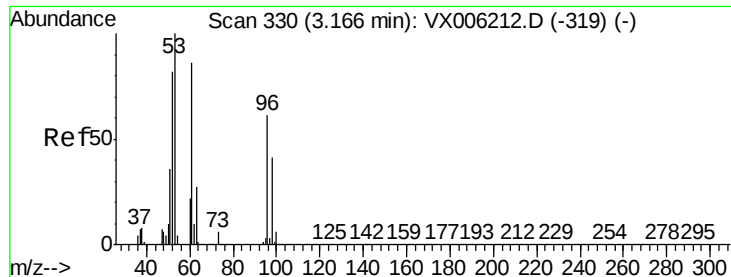
Tot Ion: 73 Resp: 471781
Ion Ratio Lower Upper
73 100
57 21.8 17.5 26.3



#20
Methylene Chloride
Concen: 19.707 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

Tgt Ion: 84 Resp: 144697
Ion Ratio Lower Upper
84 100
49 121.5 102.2 153.4
51 38.0 31.1 46.7
86 62.7 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 20.110 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VX1203WBS01

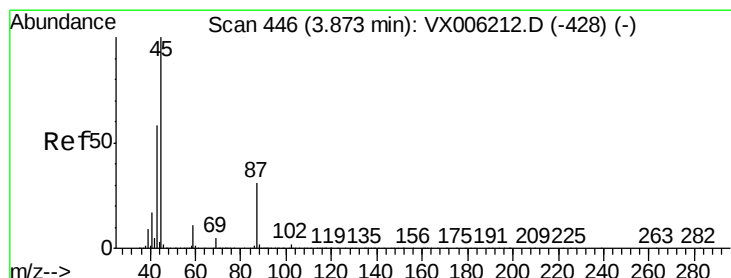
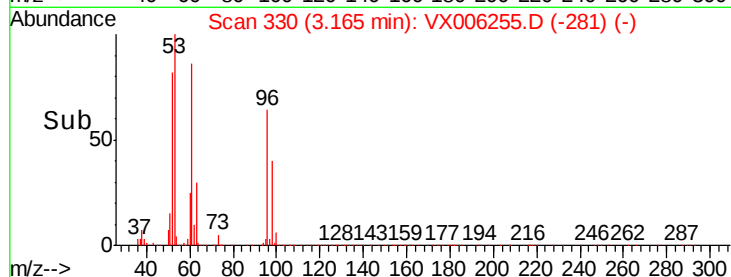
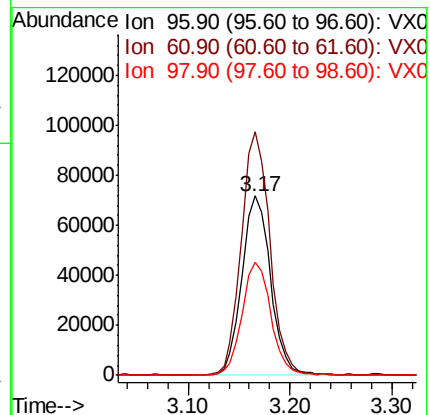
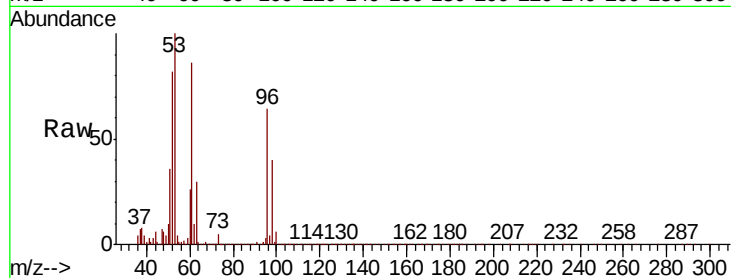
Tot Ion: 96 Resp: 139653

Ion Ratio Lower Upper

96 100

61 135.4 113.3 169.9

98 63.1 53.2 79.8



#22

Diisopropyl ether

Concen: 20.384 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Tgt Ion: 45 Resp: 409852

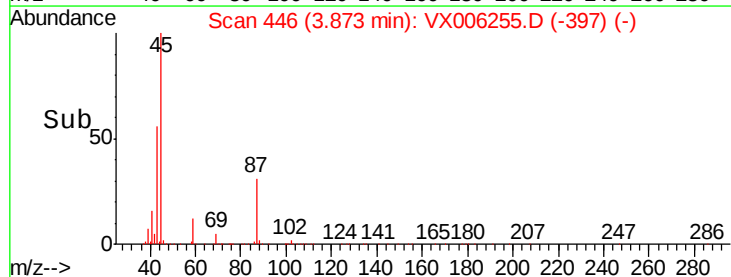
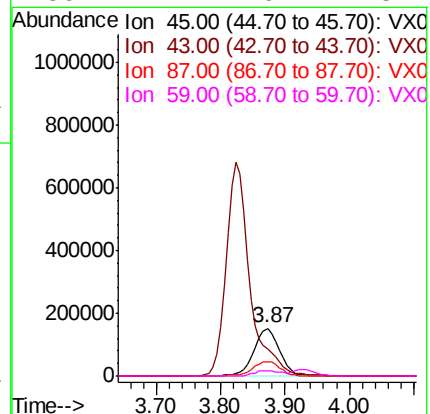
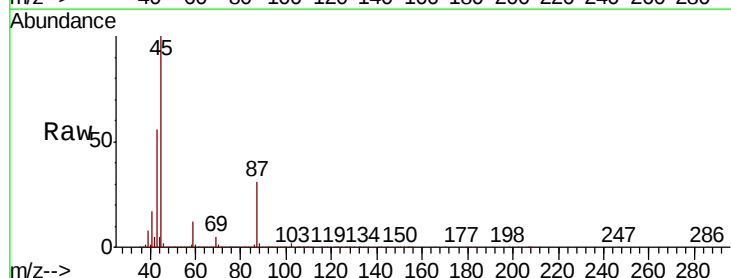
Ion Ratio Lower Upper

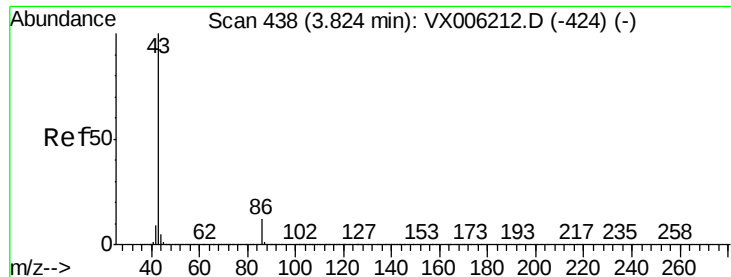
45 100

43 56.2 46.2 69.2

87 30.4 24.9 37.3

59 12.1 9.1 13.7





#23

Vinyl Acetate

Concen: 102.620 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

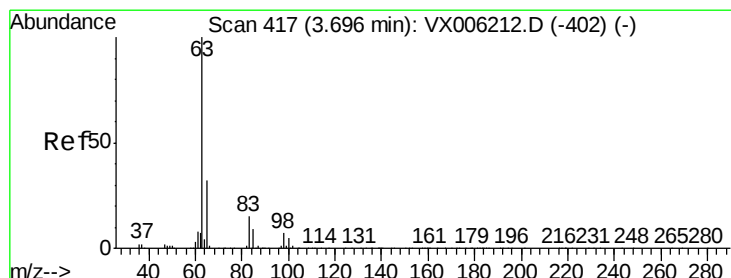
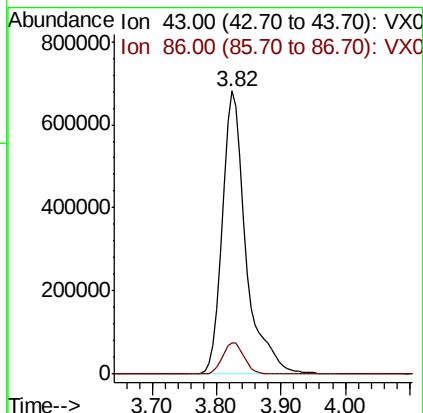
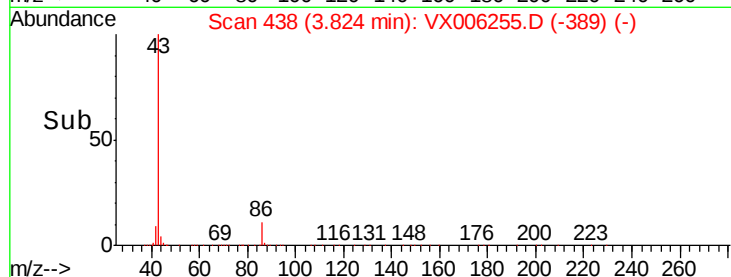
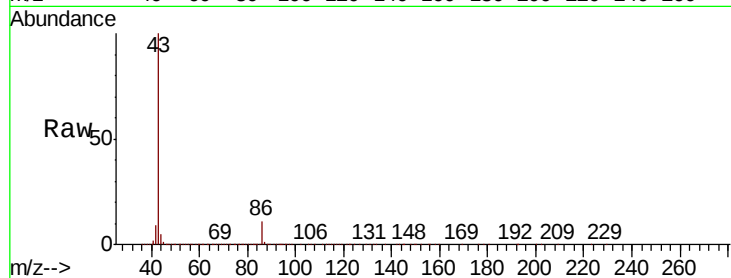
VX1203WBS01

Tot Ion: 43 Resp: 1759834

Ion Ratio Lower Upper

43 100

86 11.2 9.4 14.0



#24

1,1-Dichloroethane

Concen: 20.664 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

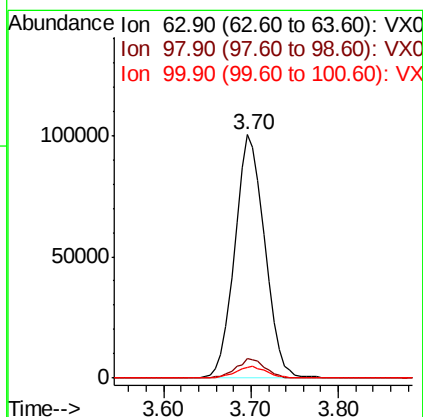
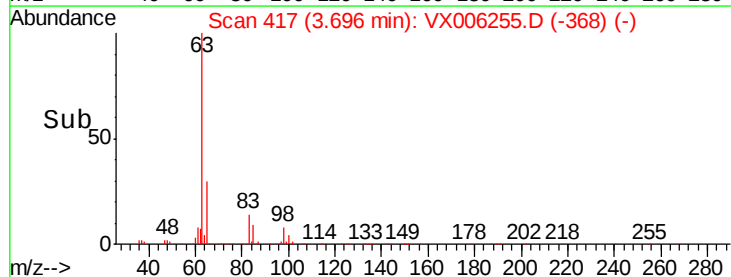
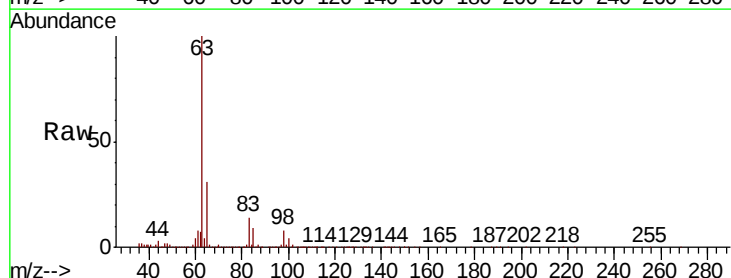
Tgt Ion: 63 Resp: 237479

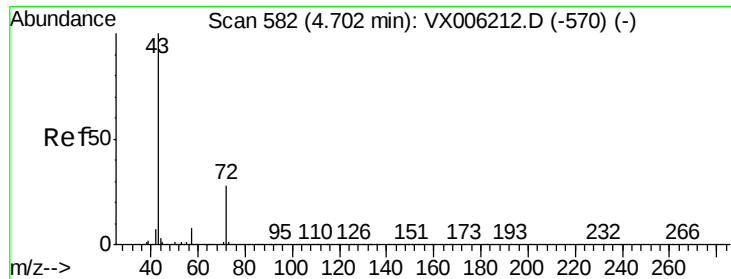
Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.4

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 103.060 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

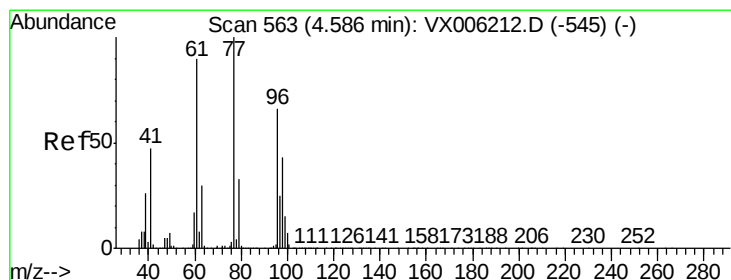
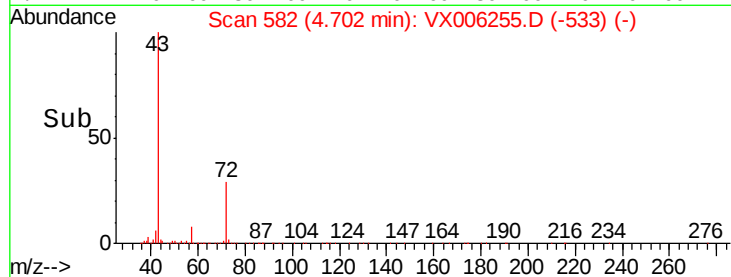
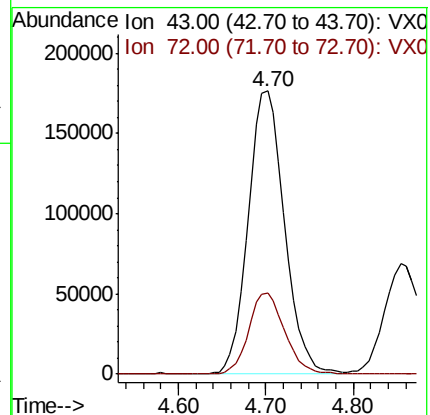
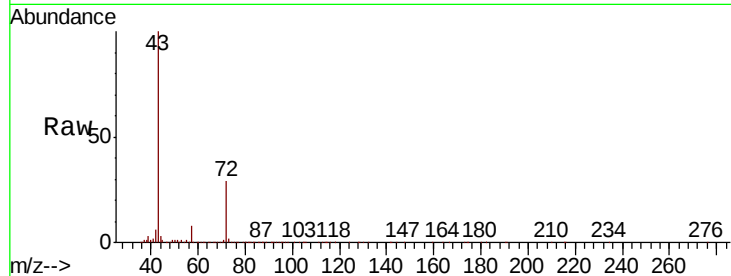
VX1203WBS01

Tot Ion: 43 Resp: 507342

Ion Ratio Lower Upper

43 100

72 28.5 22.6 33.8



#26

2,2-Dichloropropane

Concen: 18.447 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006255.D

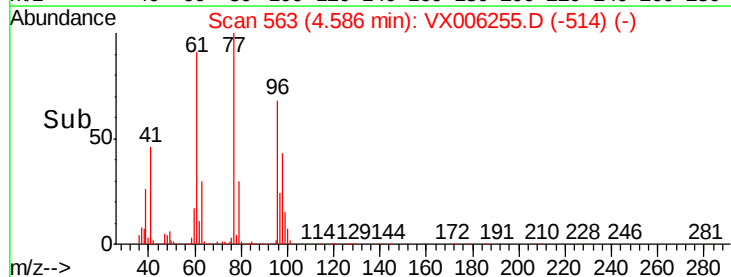
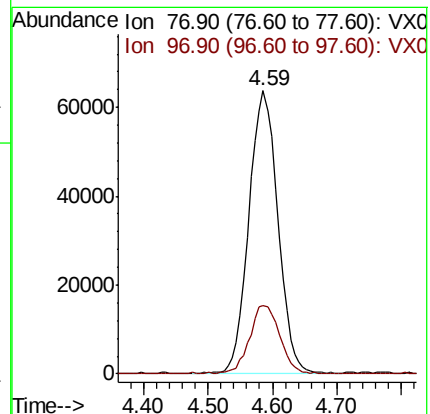
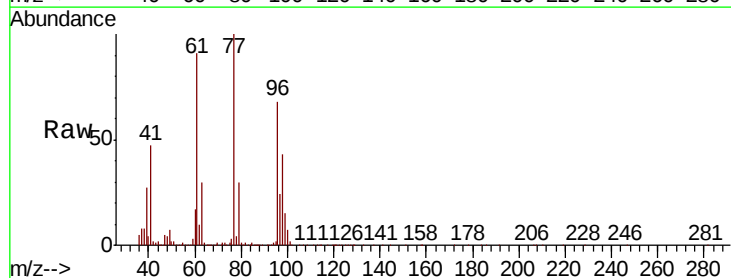
Acq: 03 Dec 2018 16:04

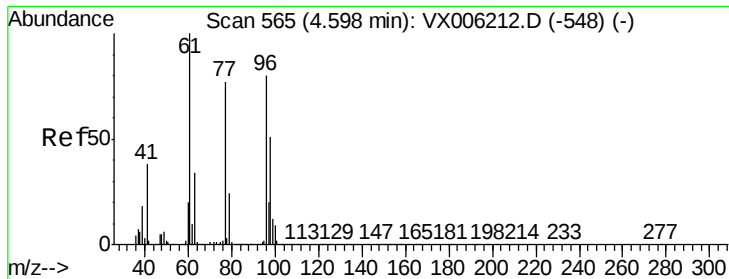
Tgt Ion: 77 Resp: 195649

Ion Ratio Lower Upper

77 100

97 25.3 12.3 36.8



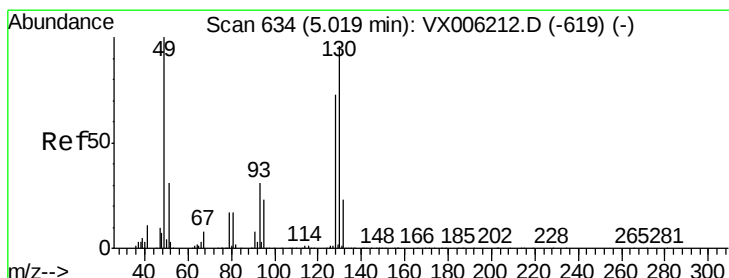
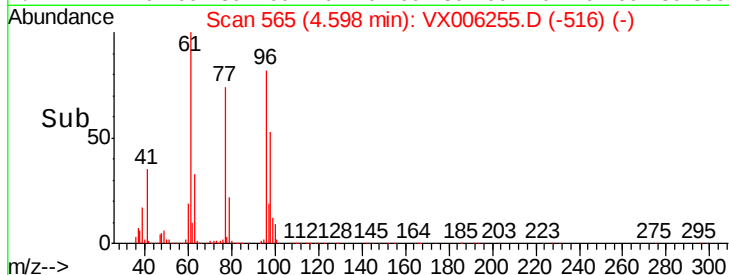
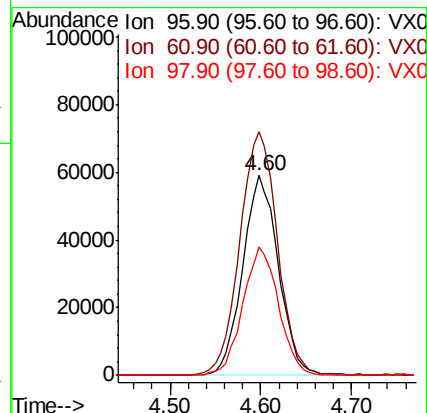
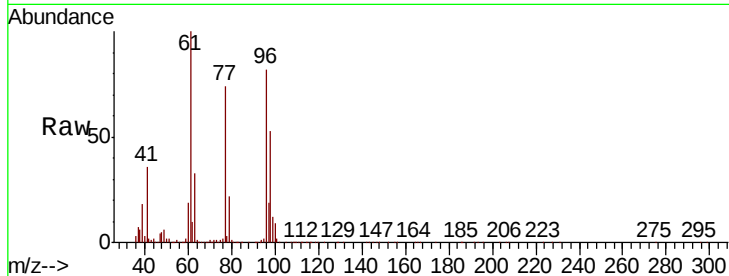


#27

cis-1,2-Dichloroethene
 Concen: 20.828 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX006255.D
 Acq: 03 Dec 2018 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1203WBS01

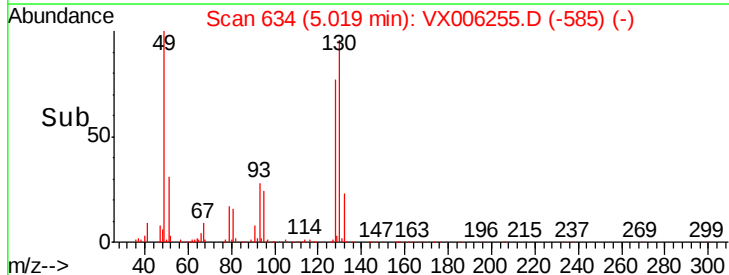
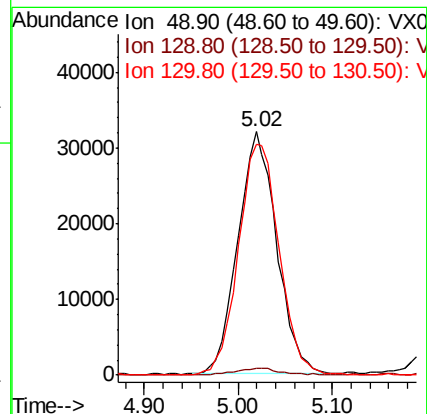
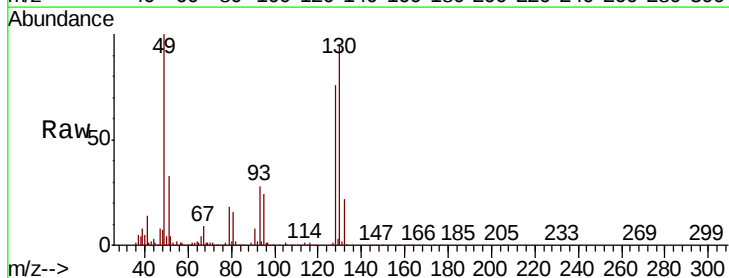
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.0	0.0	265.0
98	64.7	0.0	130.2

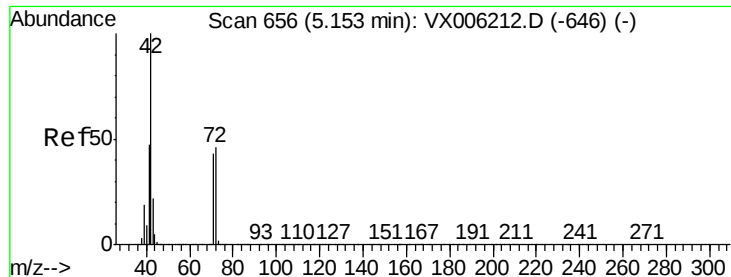


#28

Bromochloromethane
 Concen: 18.324 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX006255.D
 Acq: 03 Dec 2018 16:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.0
130	100.2	78.3	117.5





#29

Tetrahydrofuran

Concen: 100.917 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VX1203WBS01

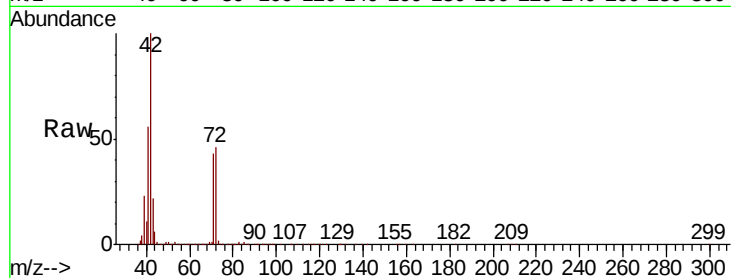
Tot Ion: 42 Resp: 345268

Ion Ratio Lower Upper

42 100

72 48.5 37.8 56.8

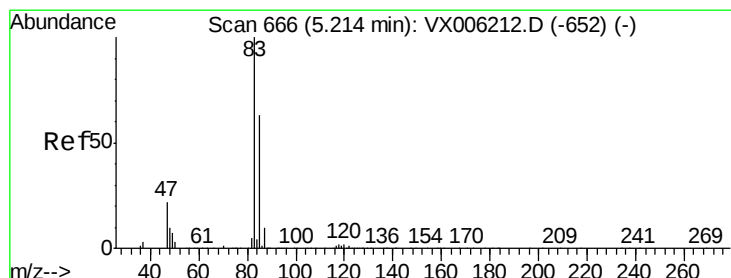
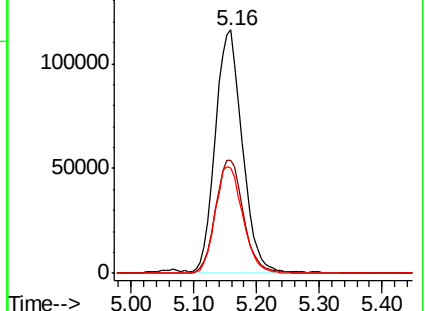
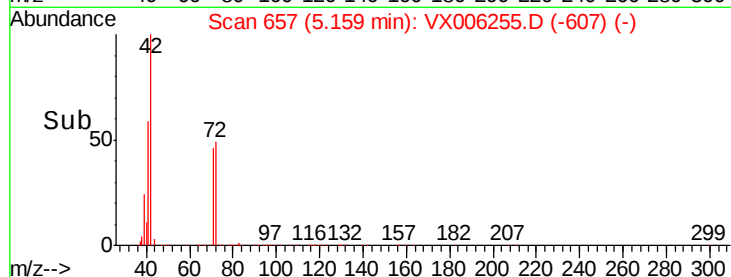
71 44.6 35.2 52.8



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: 20.747 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX006255.D

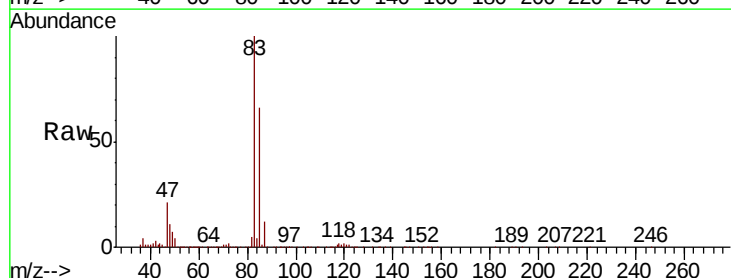
Acq: 03 Dec 2018 16:04

Tgt Ion: 83 Resp: 250555

Ion Ratio Lower Upper

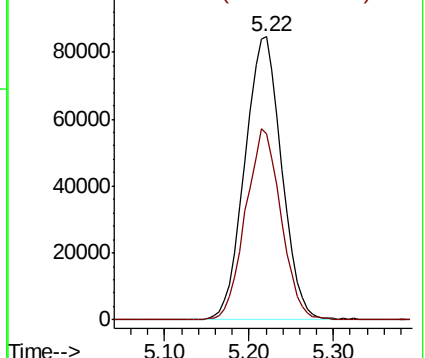
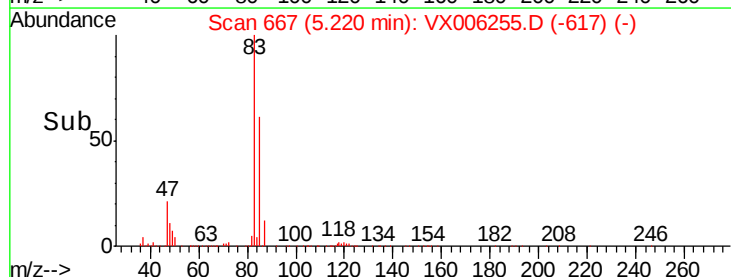
83 100

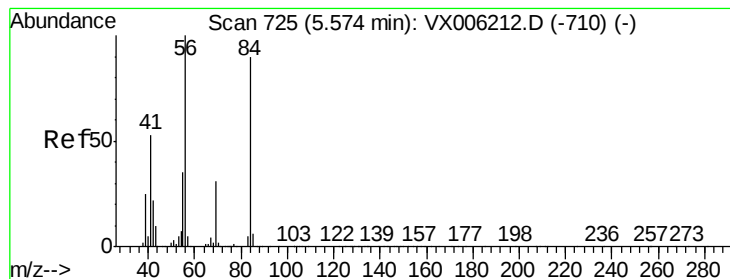
85 65.6 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 20.214 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VX1203WBS01

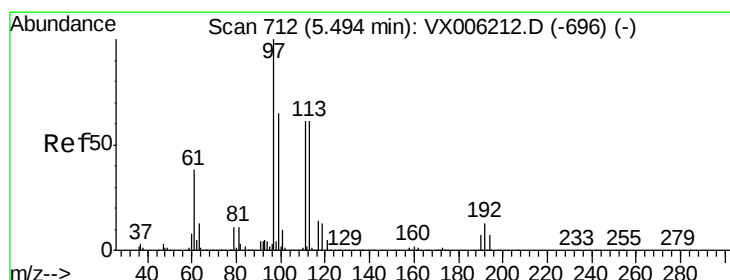
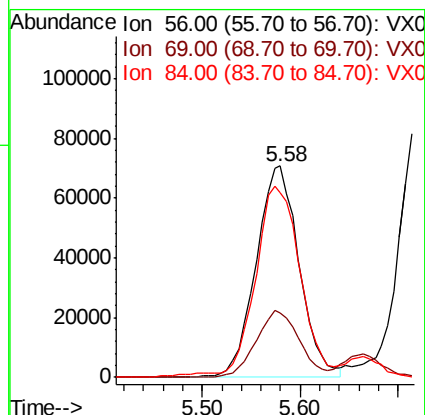
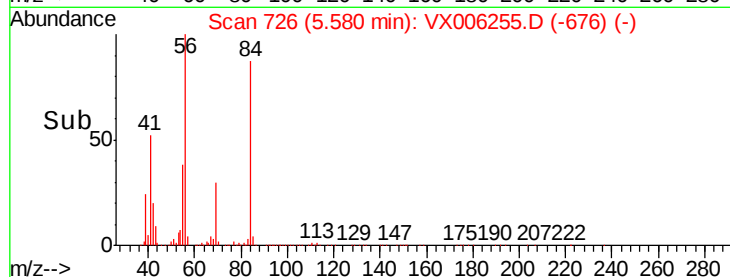
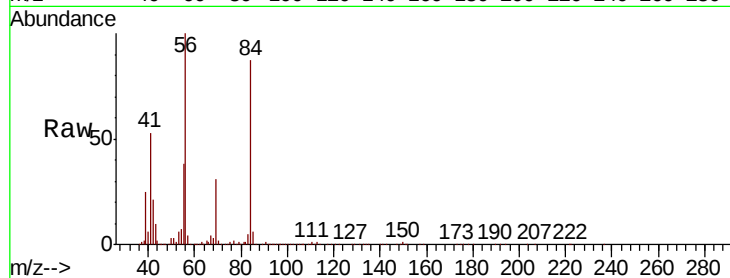
Tot Ion: 56 Resp: 214688

Ion Ratio Lower Upper

56 100

69 30.5 24.5 36.7

84 85.7 71.8 107.6



#32

1,1,1-Trichloroethane

Concen: 20.437 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

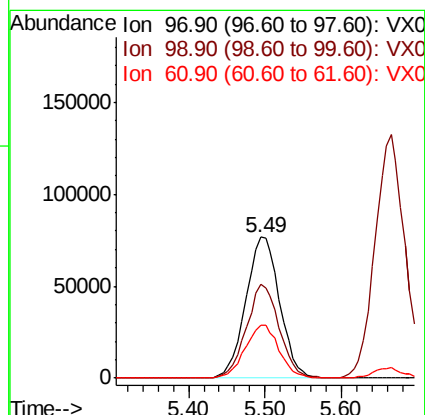
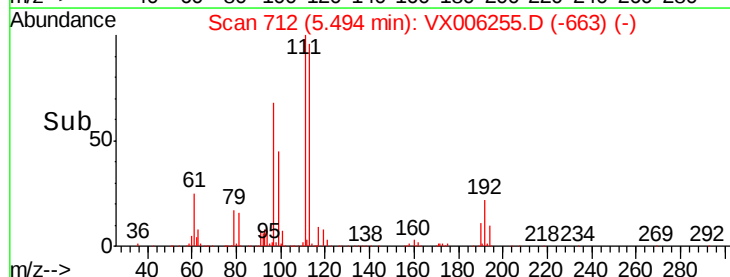
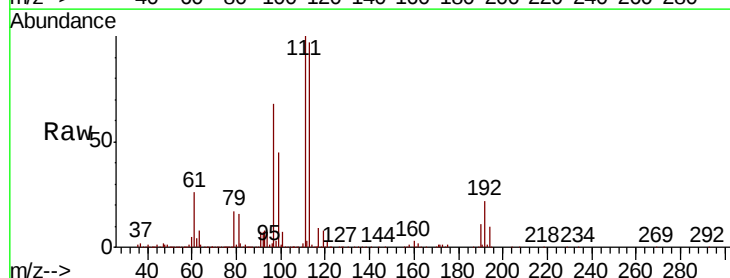
Tgt Ion: 97 Resp: 234843

Ion Ratio Lower Upper

97 100

99 65.0 51.6 77.4

61 37.7 30.6 46.0





#33

1,2-Dichloroethane-d4

Concen: 49.722 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

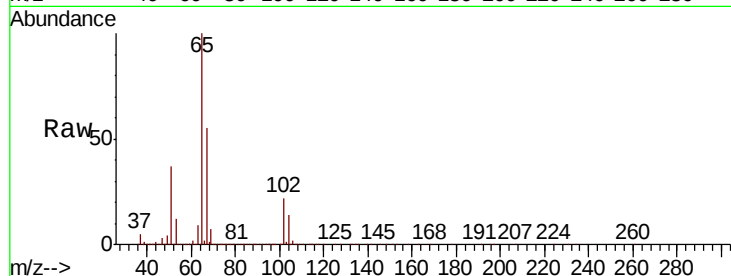
VX1203WBS01

Tot Ion: 65 Resp: 365535

Ion Ratio Lower Upper

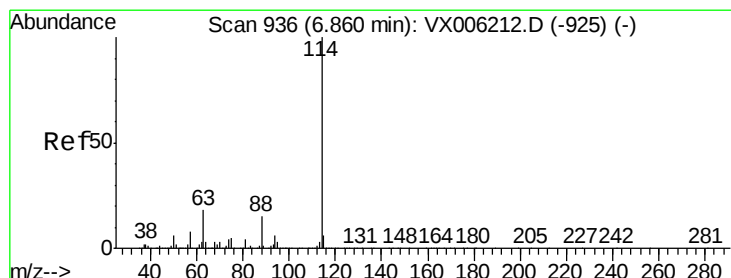
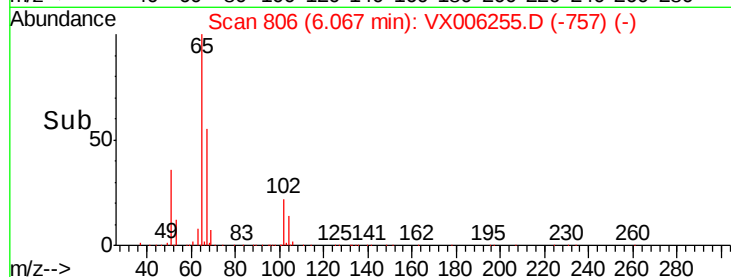
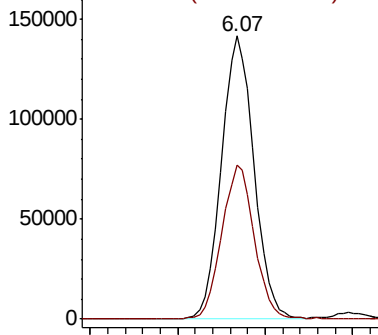
65 100

67 54.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

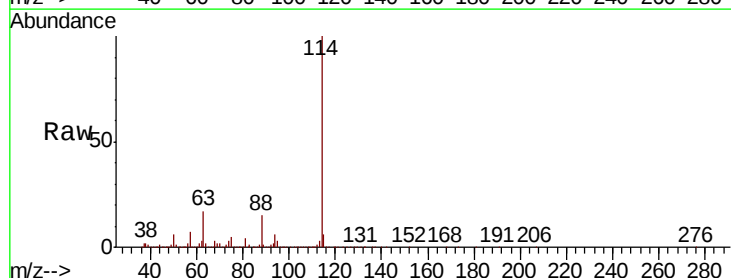
Tgt Ion: 114 Resp: 1108309

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.6

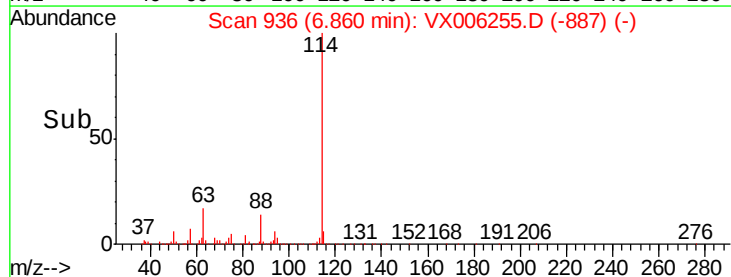
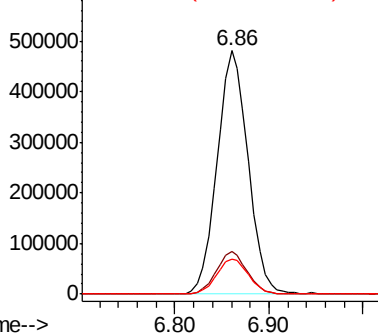
88 14.5 0.0 29.0

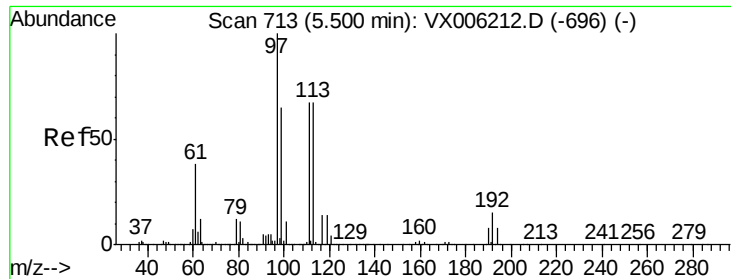


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.714 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VX1203WBS01

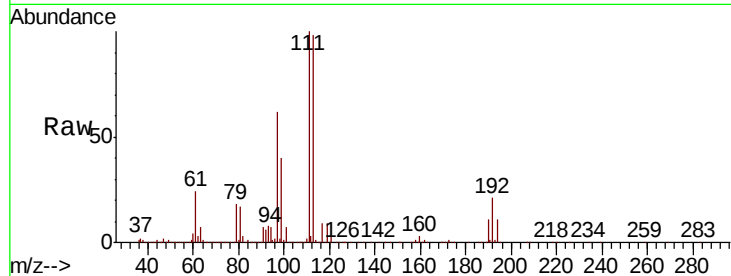
Tot Ion:113 Resp: 349562

Ion Ratio Lower Upper

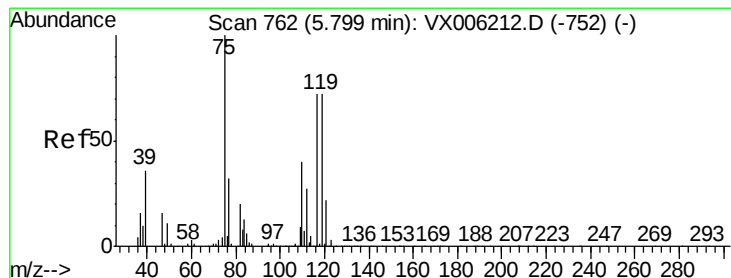
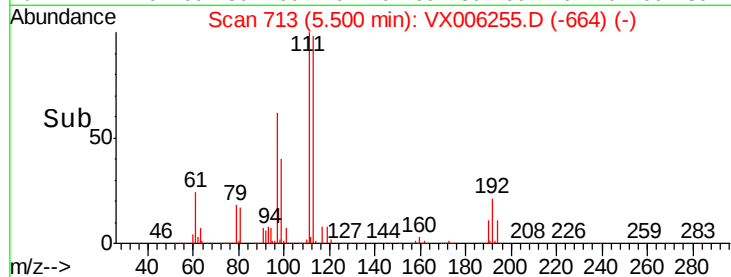
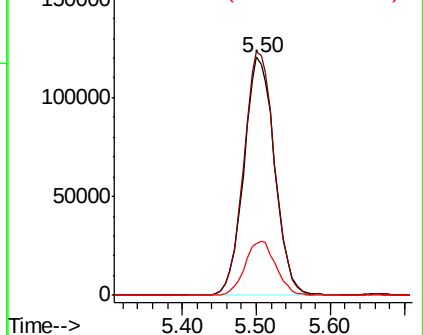
113 100

111 102.0 81.1 121.7

192 22.6 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: 19.008 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

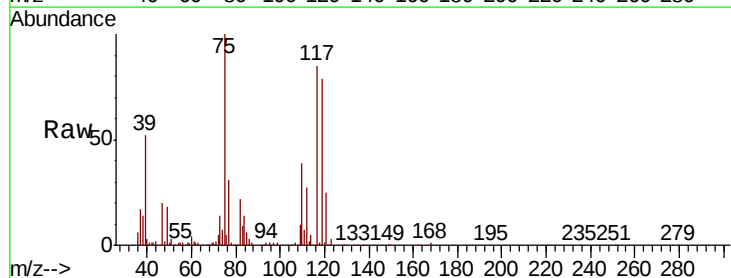
Tgt Ion: 75 Resp: 177408

Ion Ratio Lower Upper

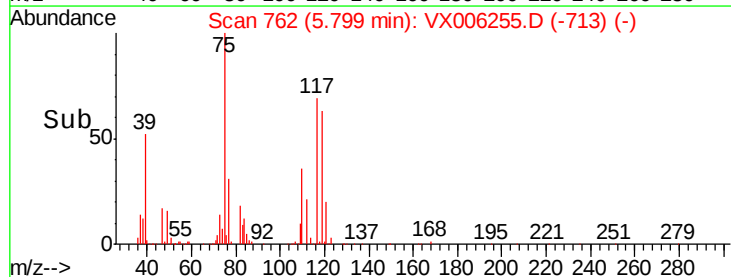
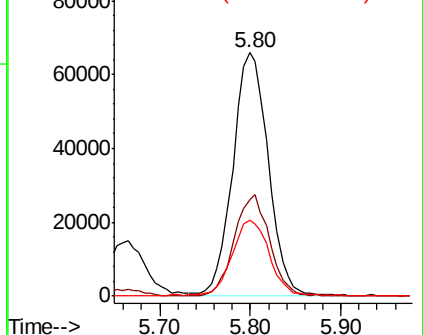
75 100

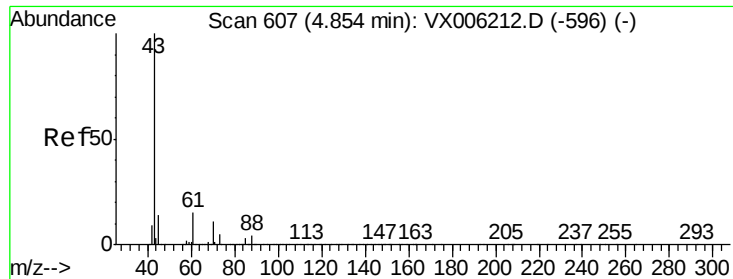
110 42.0 20.4 61.3

77 33.5 24.9 37.3



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

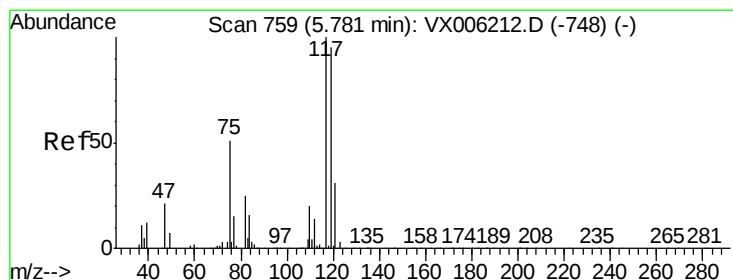
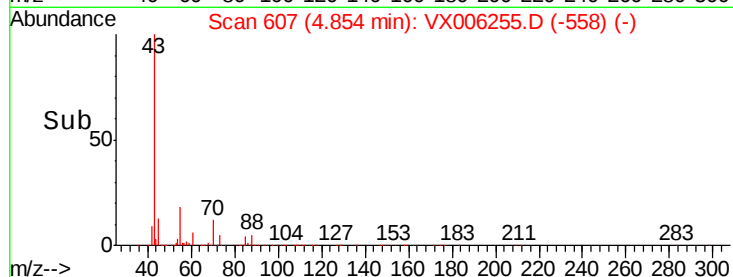
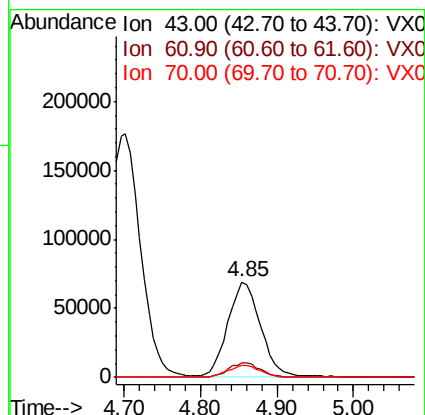
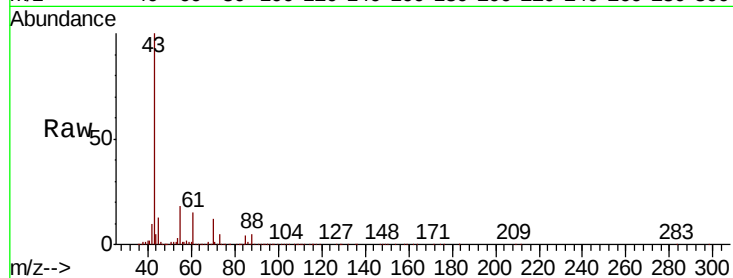




#37
Ethyl Acetate
Concen: 19.439 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

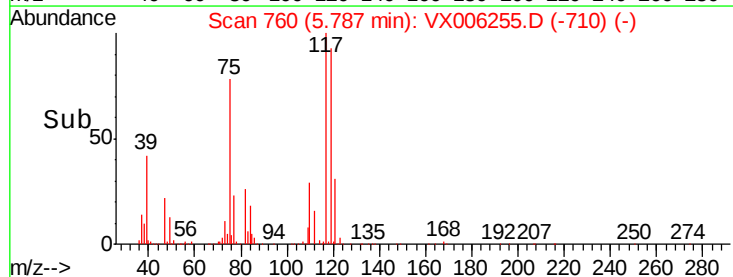
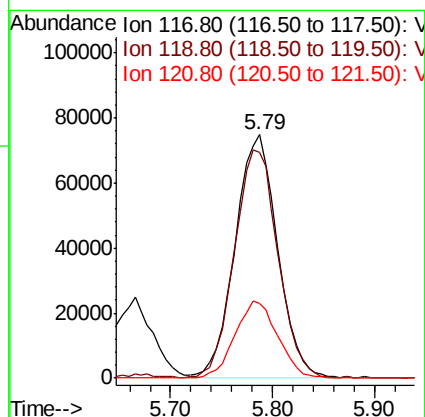
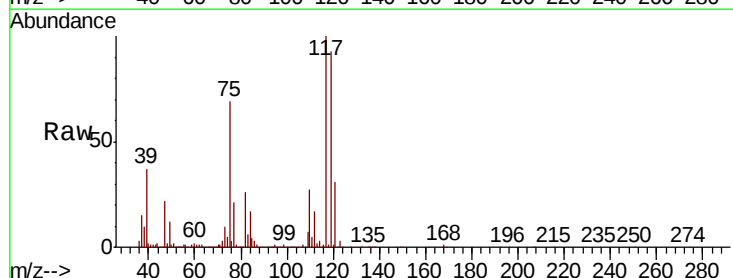
Instrument :
MSVOA_X
ClientSampleId :
VX1203WBS01

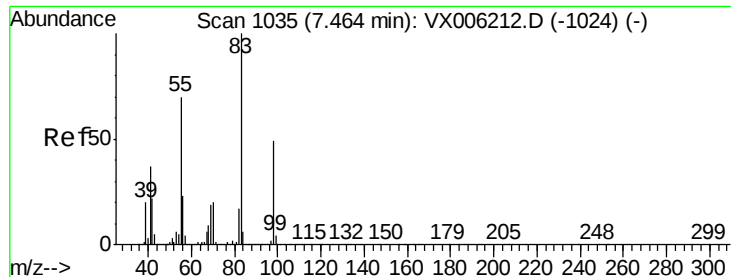
Tot Ion: 43 Resp: 203174
Ion Ratio Lower Upper
43 100
61 14.9 11.5 17.3
70 12.1 9.0 13.6



#38
Carbon Tetrachloride
Concen: 19.603 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

Tgt Ion: 117 Resp: 215239
Ion Ratio Lower Upper
117 100
119 92.5 75.8 113.8
121 30.7 24.6 37.0





#39

Methvlcvclohexane

Concen: 19.162 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VX1203WBS01

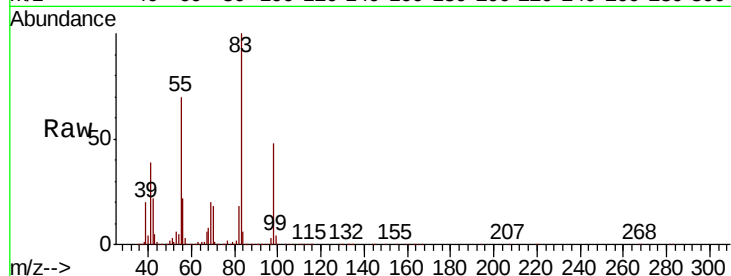
Tot Ion: 83 Resp: 232141

Ion Ratio Lower Upper

83 100

55 69.8 56.4 84.6

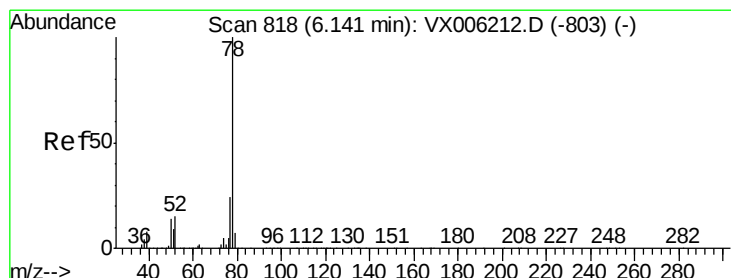
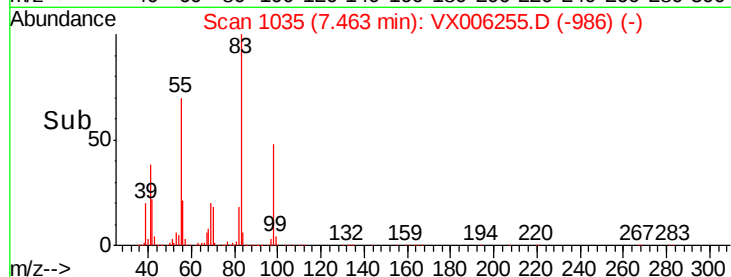
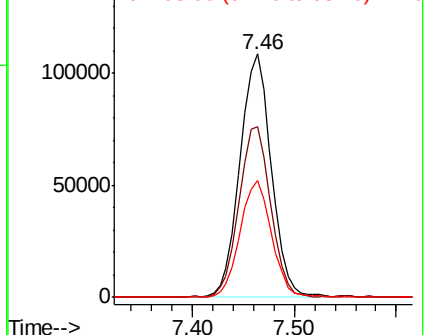
98 47.9 39.0 58.6



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: 19.894 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX006255.D

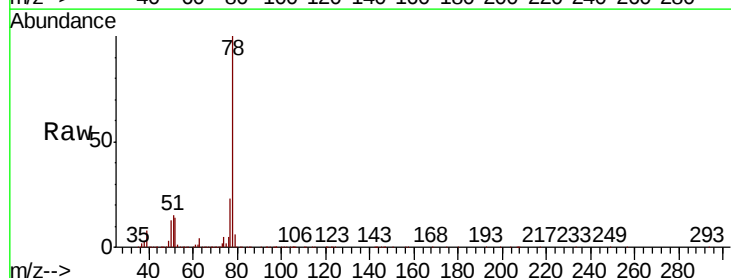
Acq: 03 Dec 2018 16:04

Tgt Ion: 78 Resp: 556098

Ion Ratio Lower Upper

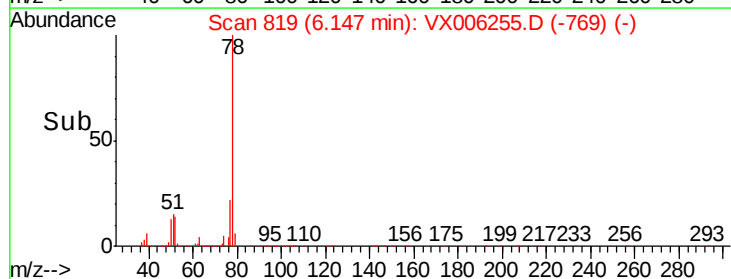
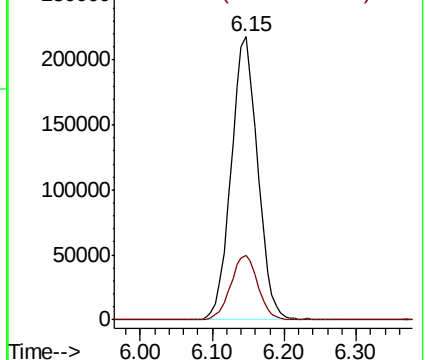
78 100

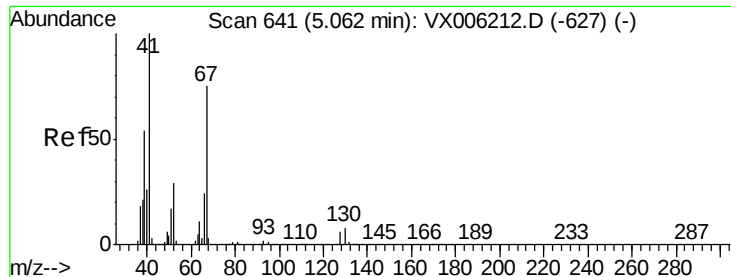
77 22.9 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 19.144 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampled :

VX1203WBS01

Tot Ion: 41 Resp: 110099

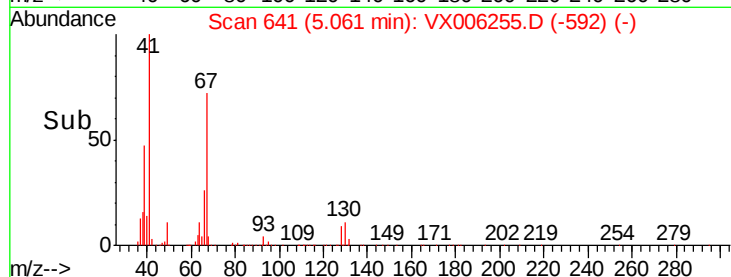
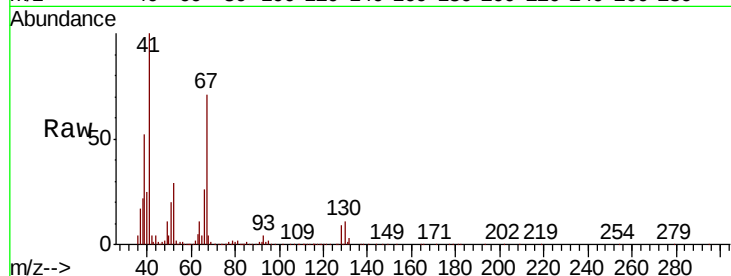
Ion Ratio Lower Upper

41 100

39 55.1 44.0 66.0

67 77.8 61.4 92.0

52 29.0 23.5 35.3

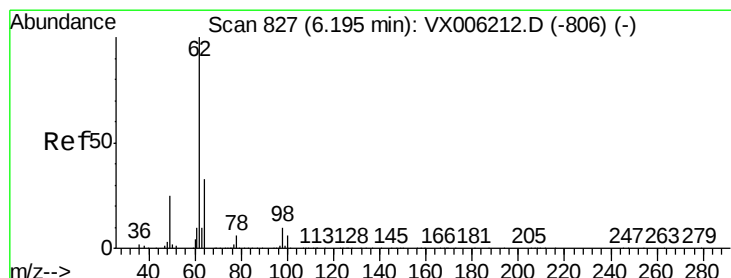
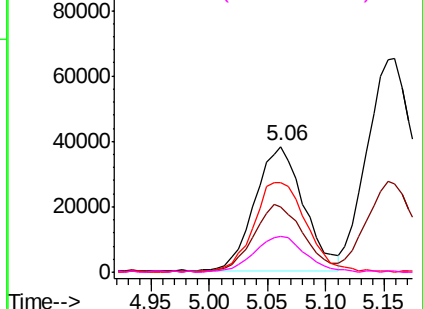


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 20.357 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX006255.D

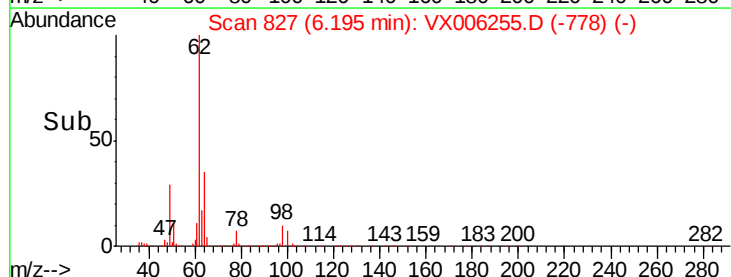
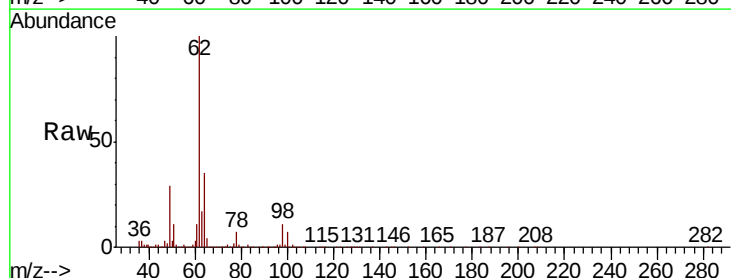
Acq: 03 Dec 2018 16:04

Tgt Ion: 62 Resp: 186242

Ion Ratio Lower Upper

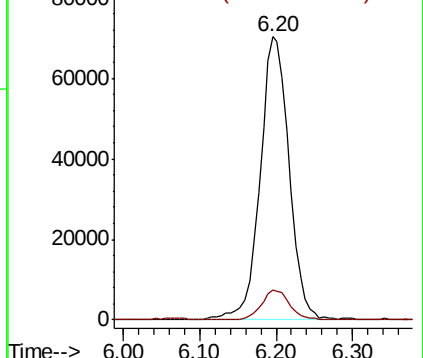
62 100

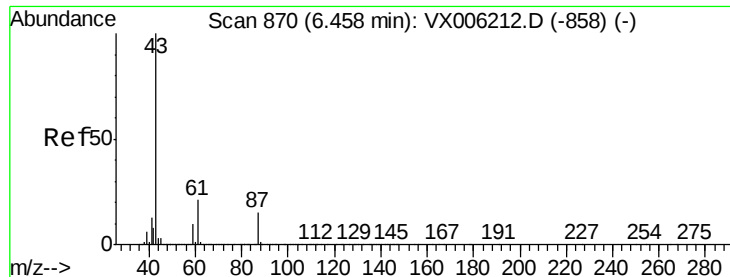
98 10.3 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



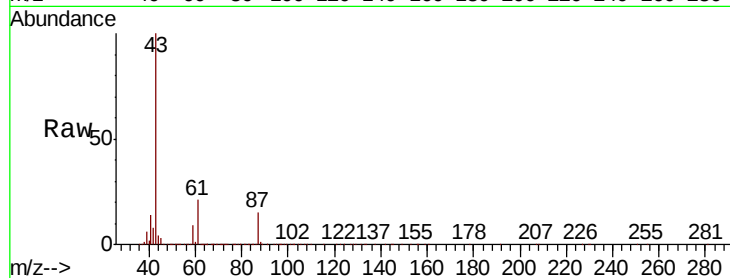


#43

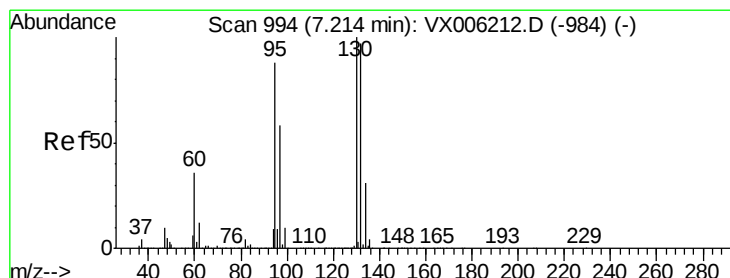
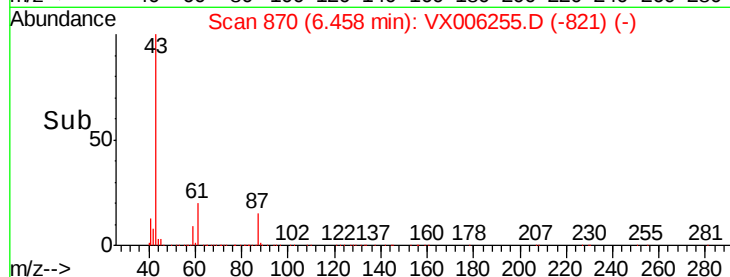
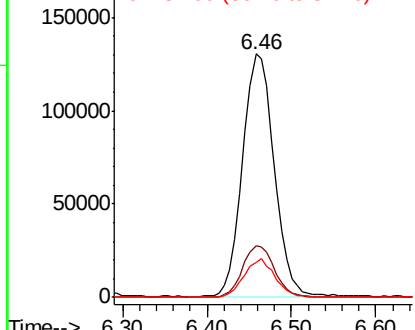
Isopropyl Acetate
 Concen: 18.938 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006255.D
 Acq: 03 Dec 2018 16:04

Instrument :
 MSVOA_X
 ClientSampled :
 VX1203WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	16.8	25.2
87	15.5	11.9	17.9



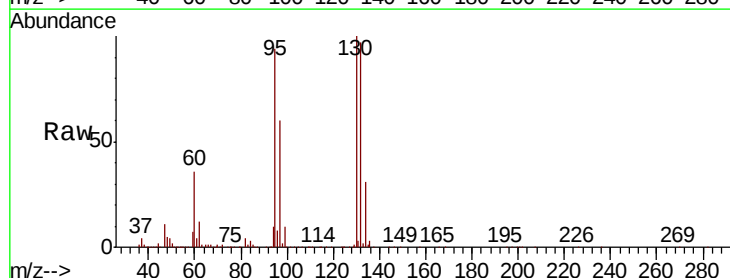
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



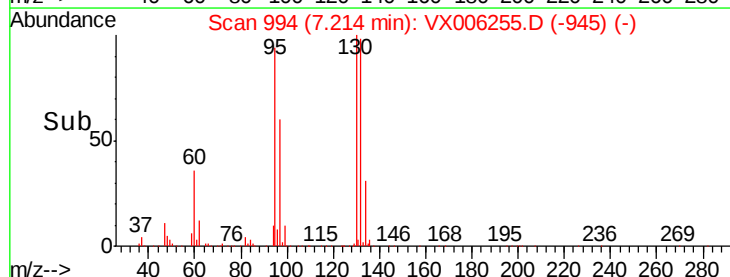
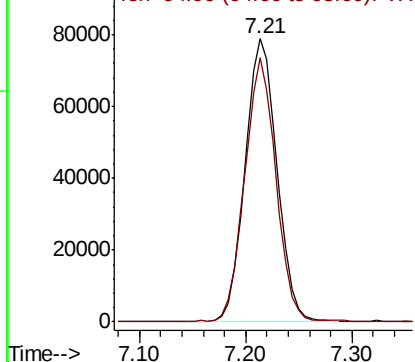
#44

Trichloroethene
 Concen: 19.633 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006255.D
 Acq: 03 Dec 2018 16:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	175.8



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





#45

1,2-Dichloropropane

Concen: 19.817 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

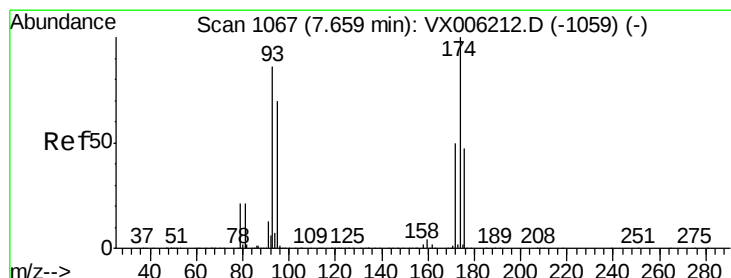
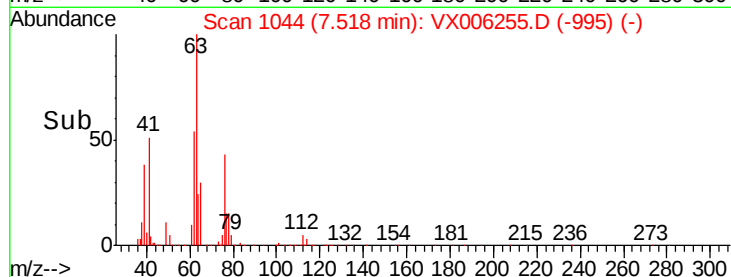
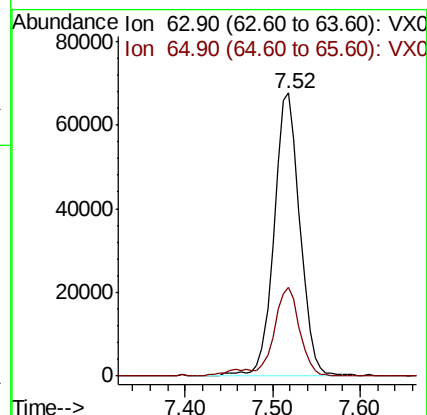
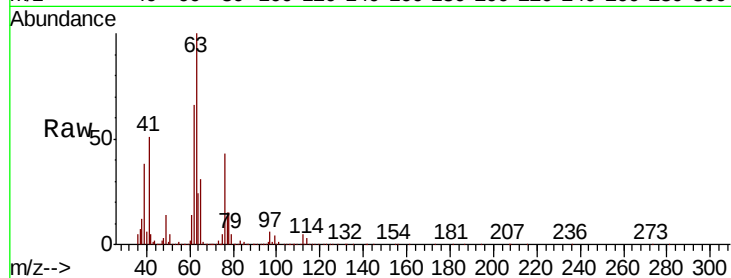
VX1203WBS01

Tot Ion: 63 Resp: 140788

Ion Ratio Lower Upper

63 100

65 31.0 24.3 36.5



#46

Dibromomethane

Concen: 19.610 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

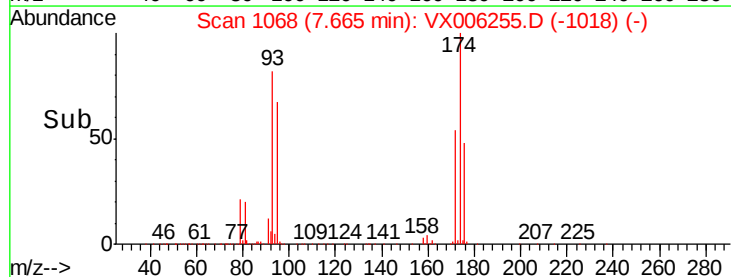
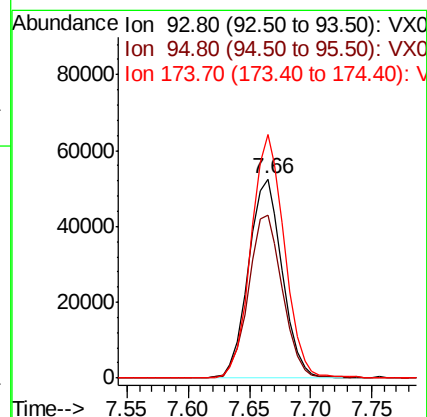
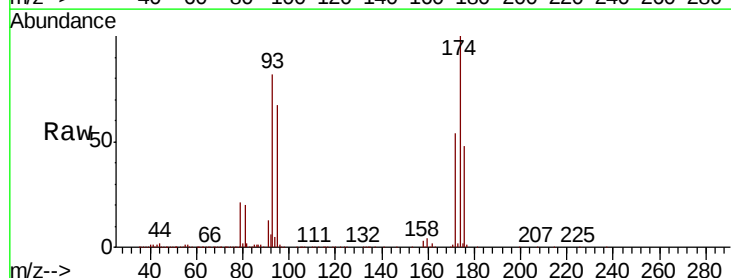
Tgt Ion: 93 Resp: 100619

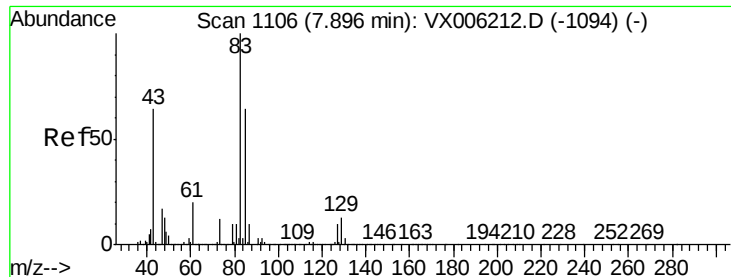
Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.4

174 121.3 97.2 145.8





#47

Bromodichloromethane

Concen: 20.098 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VX1203WBS01

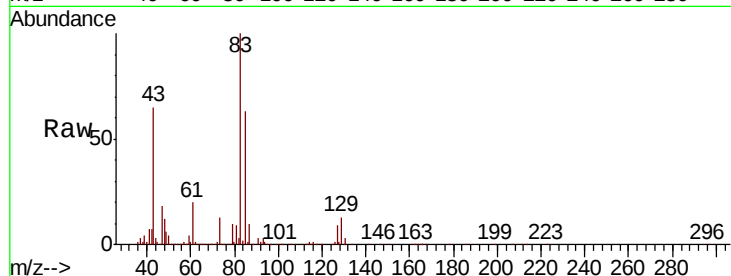
Tot Ion: 83 Resp: 199702

Ion Ratio Lower Upper

83 100

85 62.8 51.4 77.0

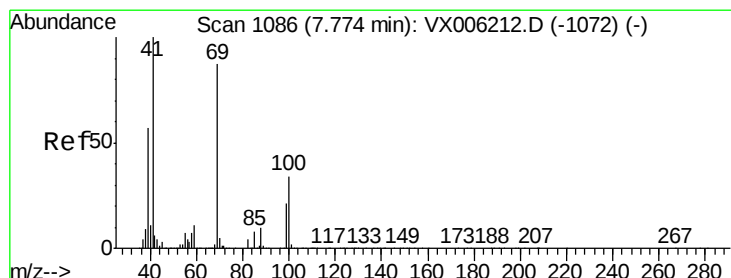
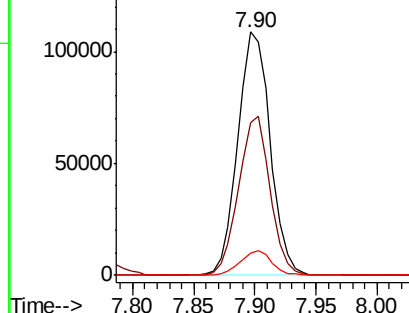
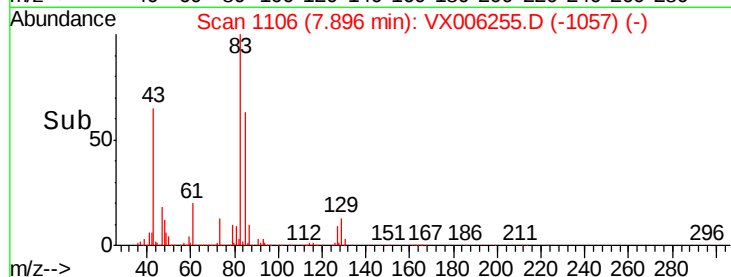
127 9.3 7.9 11.9



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: 19.185 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

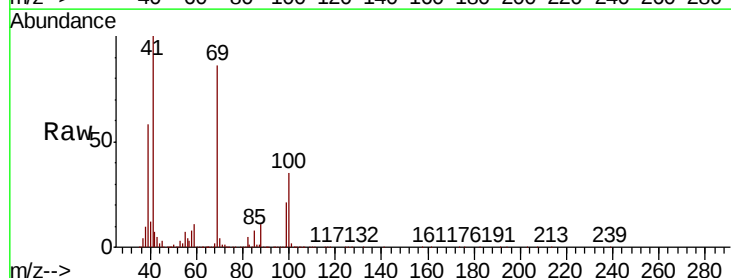
Tgt Ion: 41 Resp: 162641

Ion Ratio Lower Upper

41 100

69 88.1 70.3 105.5

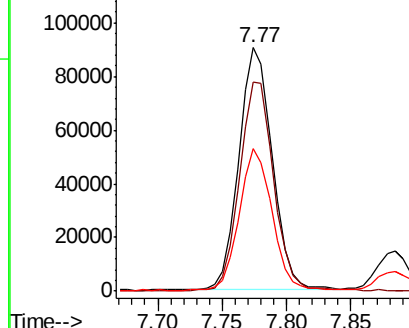
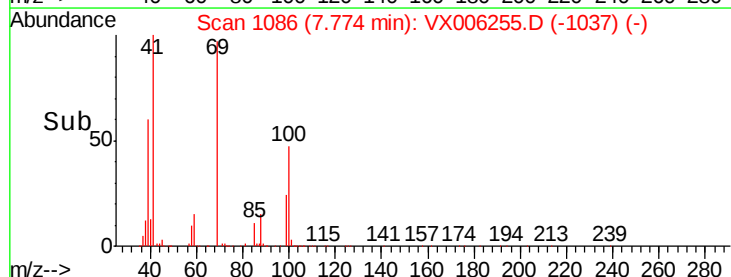
39 57.0 45.3 67.9

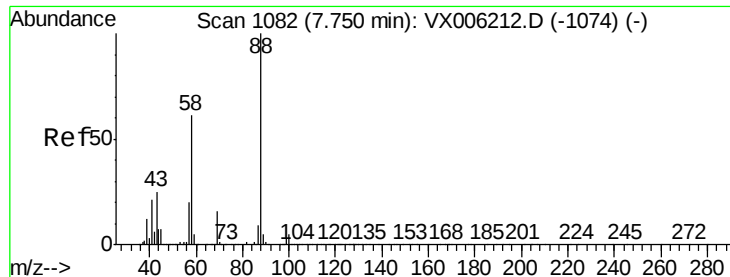


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 385.346 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VX1203WBS01

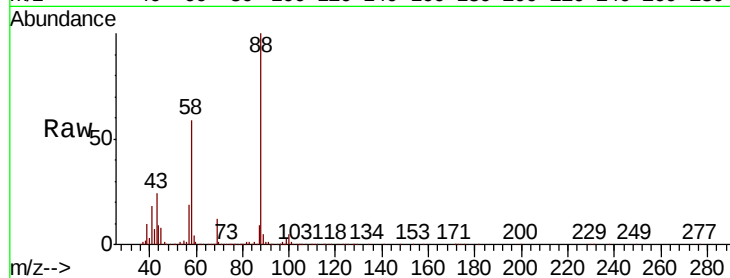
Tot Ion: 88 Resp: 80516

Ion Ratio Lower Upper

88 100

43 27.4 23.2 34.8

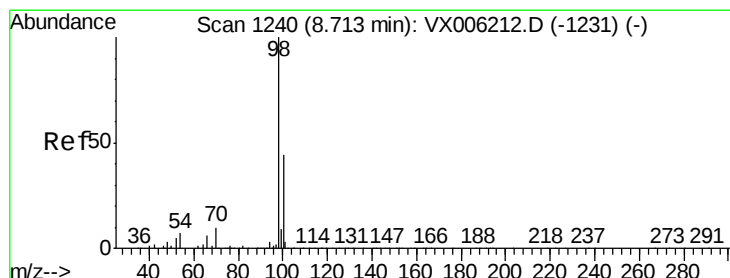
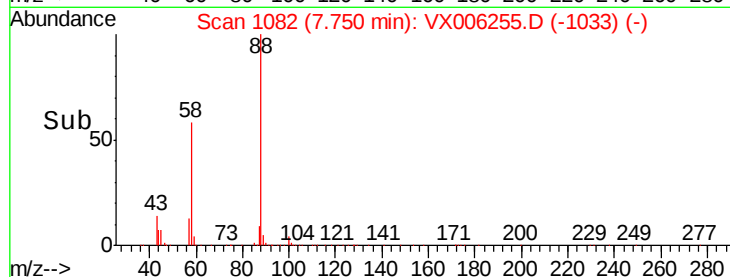
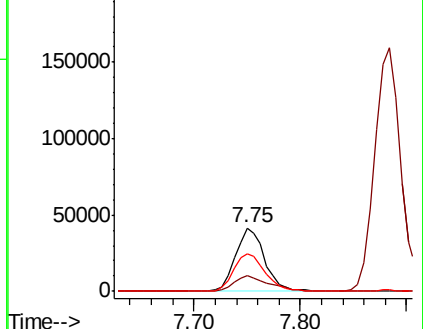
58 63.6 51.4 77.0



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: 47.842 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006255.D

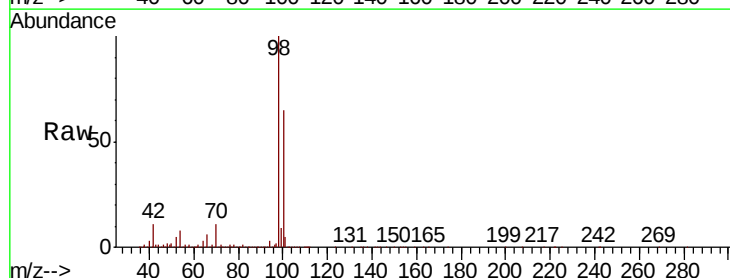
Acq: 03 Dec 2018 16:04

Tgt Ion: 98 Resp: 1248758

Ion Ratio Lower Upper

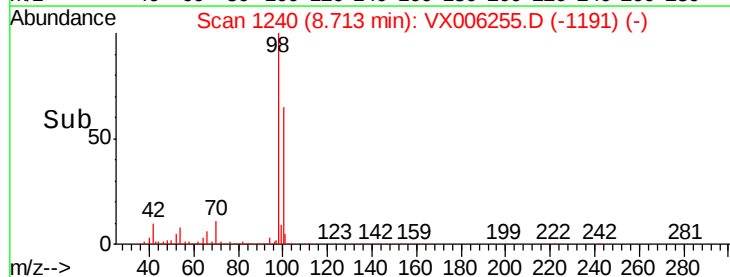
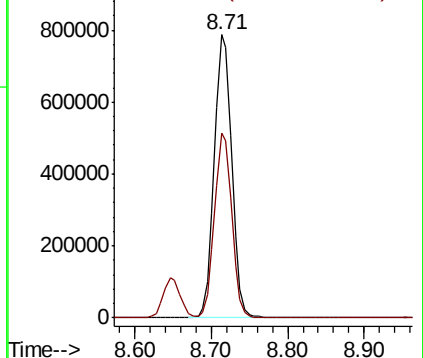
98 100

100 64.7 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: 97.800 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

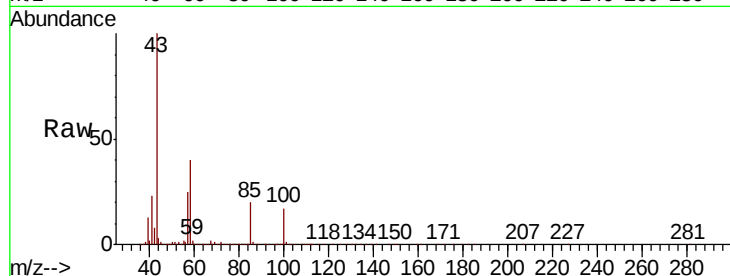
VX1203WBS01

Tot Ion: 43 Resp: 992145

Ion Ratio Lower Upper

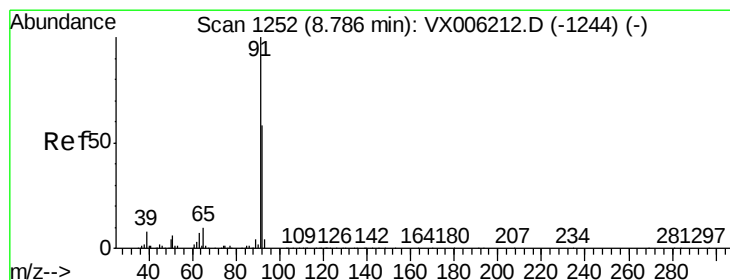
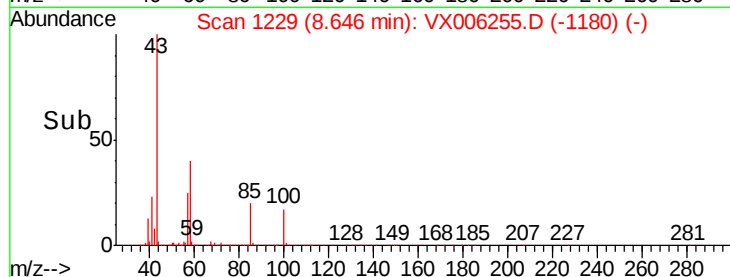
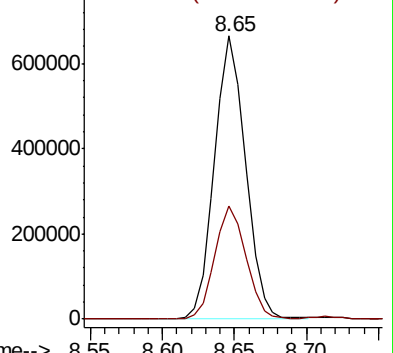
43 100

58 40.0 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: 19.910 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006255.D

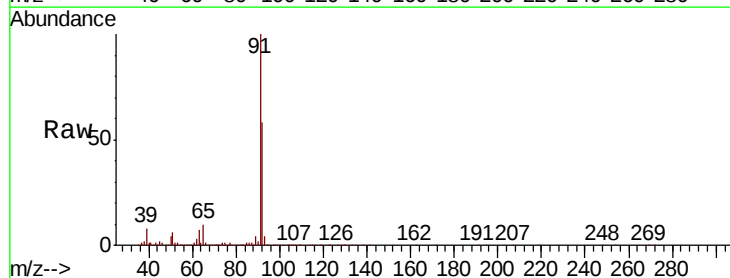
Acq: 03 Dec 2018 16:04

Tgt Ion: 92 Resp: 366157

Ion Ratio Lower Upper

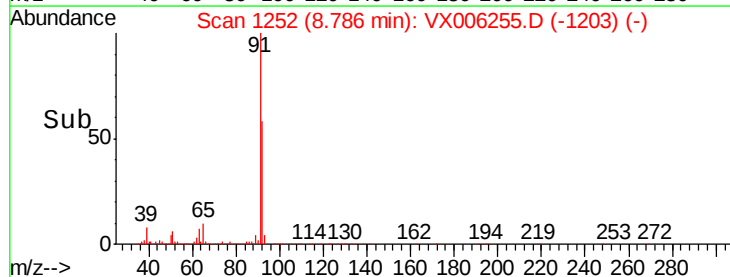
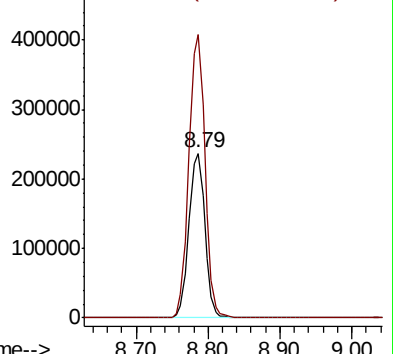
92 100

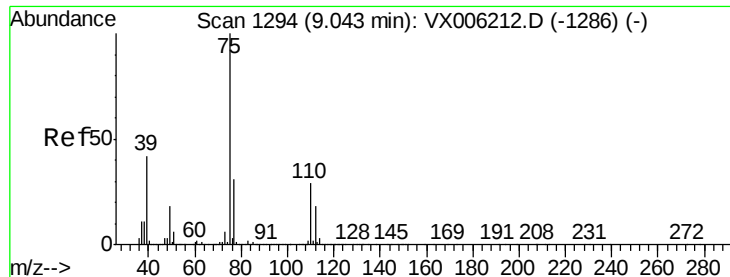
91 172.1 139.2 208.8



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: 18.941 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

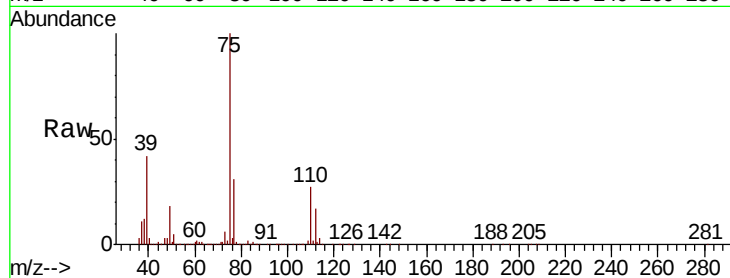
VX1203WBS01

Tot Ion: 75 Resp: 220102

Ion Ratio Lower Upper

75 100

77 31.1 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

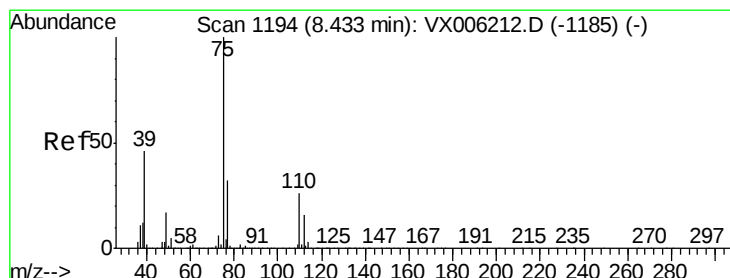
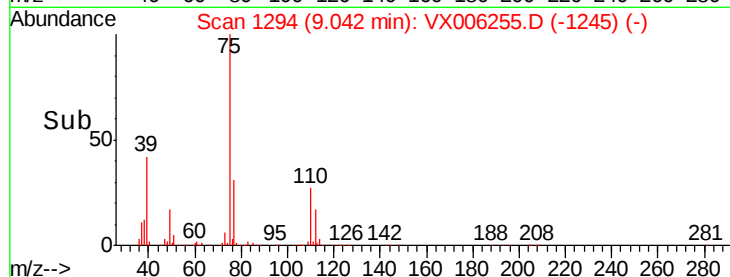
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 19.162 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

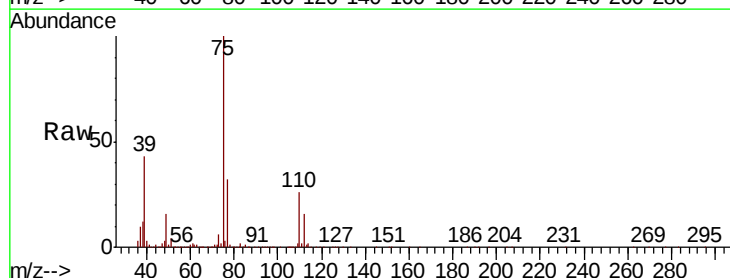
Tgt Ion: 75 Resp: 231222

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4

39 43.1 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

200000

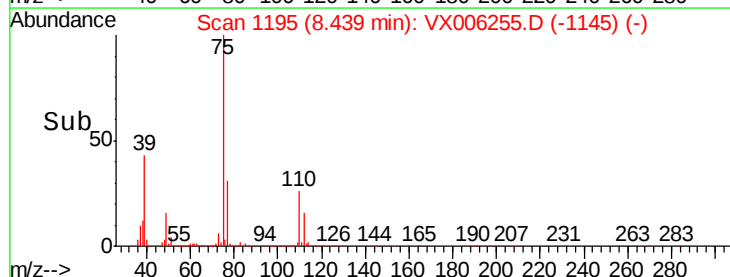
150000

100000

50000

0

Time--> 8.40 8.50

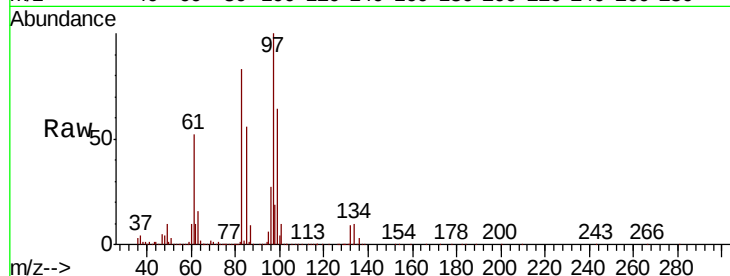




#55
 1,1,2-Trichloroethane
 Concen: 20.534 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006255.D
 Acq: 03 Dec 2018 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1203WBS01

Tot Ion:	97	Resp:	153413
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.1	100.7
85	55.9	43.2	64.8
99	63.9	49.8	74.6



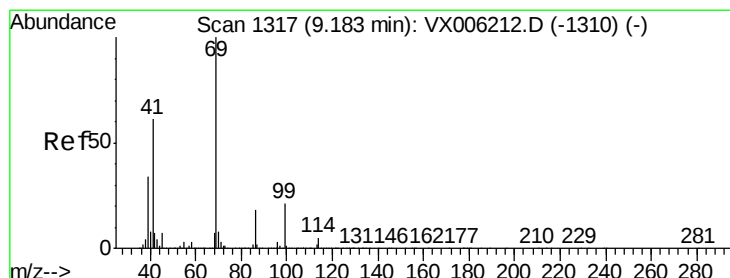
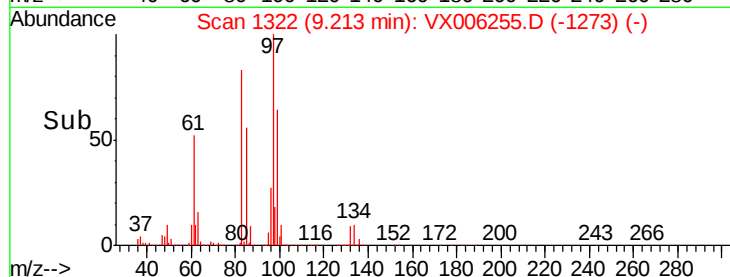
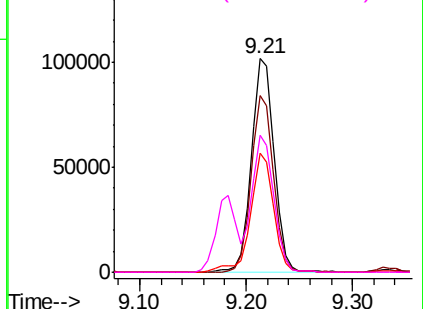
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

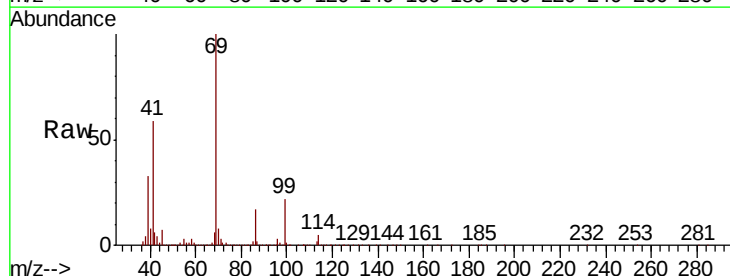
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 19.573 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX006255.D
 Acq: 03 Dec 2018 16:04

Tgt Ion:	69	Resp:	228610
Ion	Ratio	Lower	Upper
69	100		
41	61.2	50.6	76.0
39	33.7	27.6	41.4

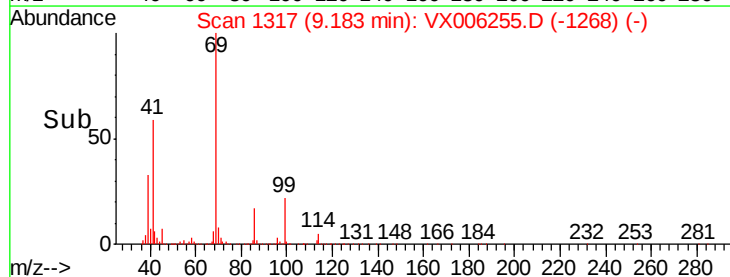
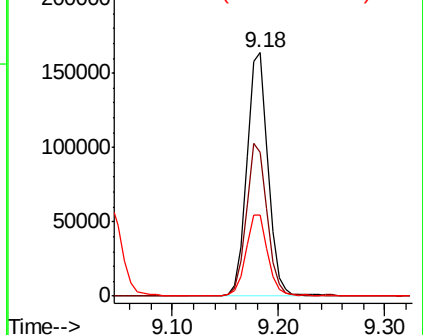


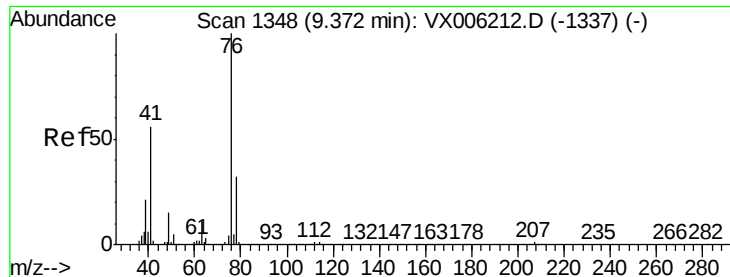
Abundance

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: 20.019 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

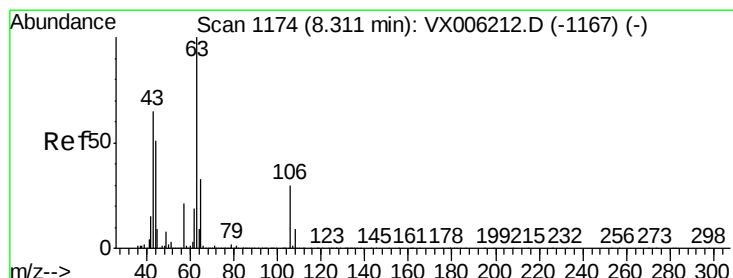
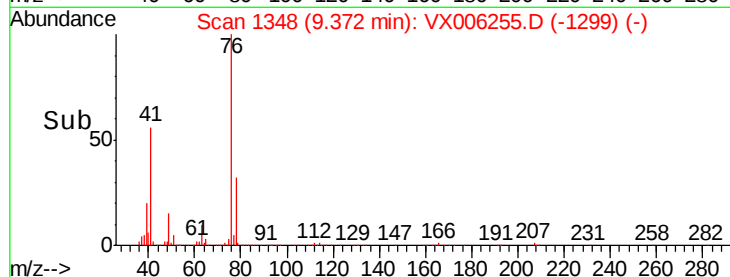
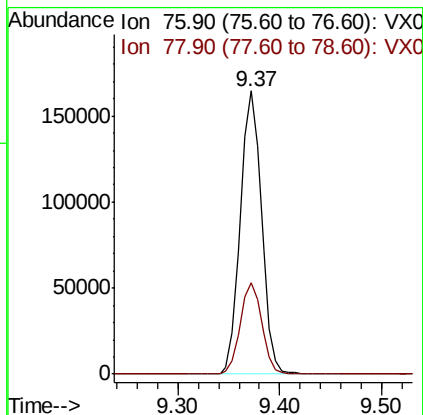
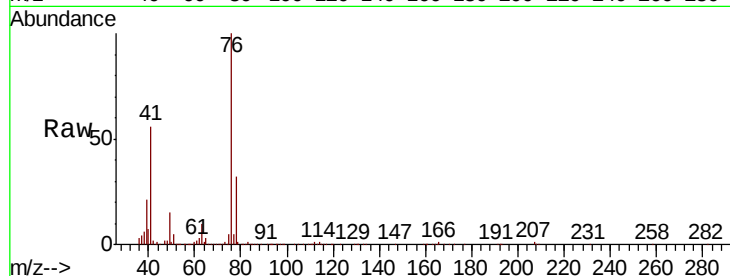
VX1203WBS01

Tot Ion: 76 Resp: 236515

Ion Ratio Lower Upper

76 100

78 32.5 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 98.532 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006255.D

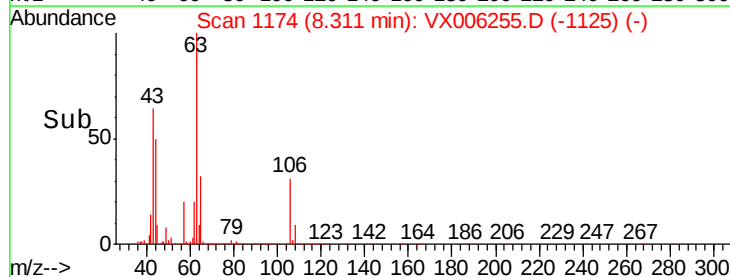
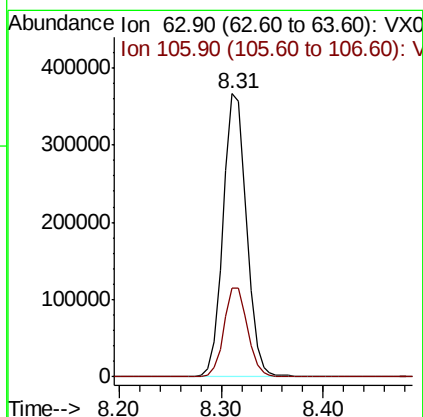
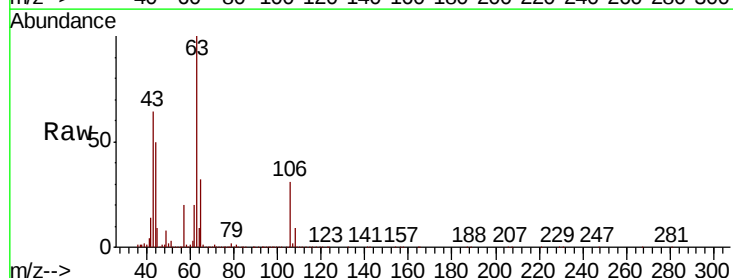
Acq: 03 Dec 2018 16:04

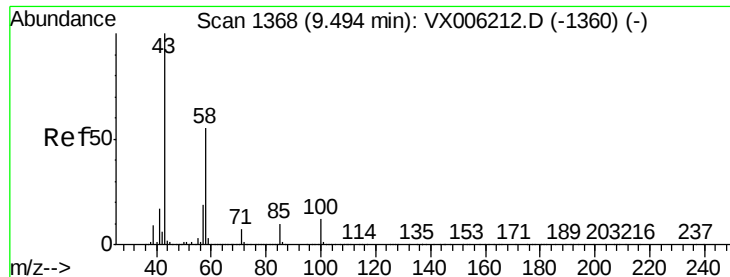
Tgt Ion: 63 Resp: 584002

Ion Ratio Lower Upper

63 100

106 31.6 24.9 37.3

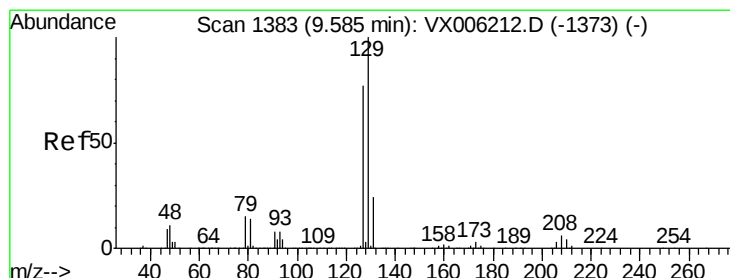
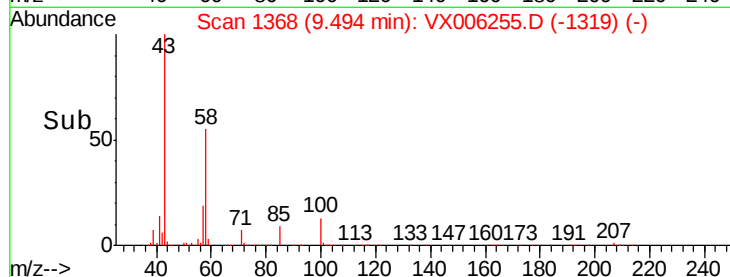
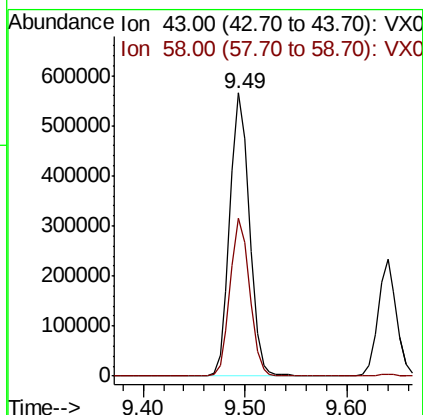
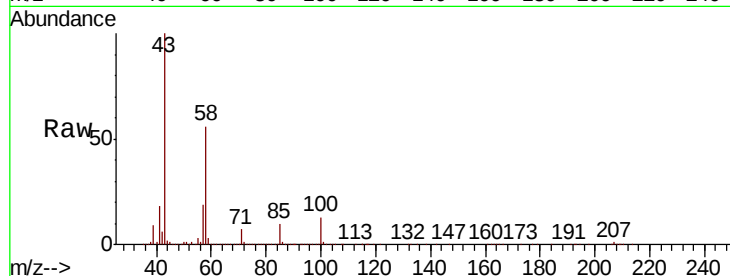




#59
2-Hexanone
Concen: 96.786 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

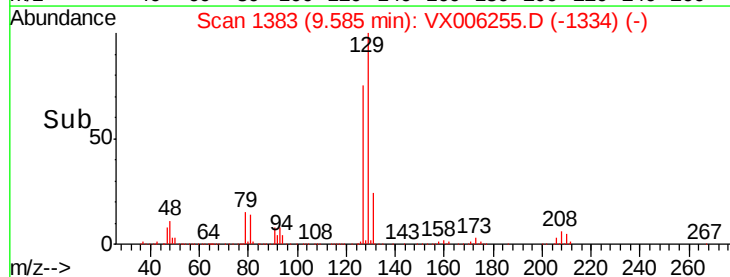
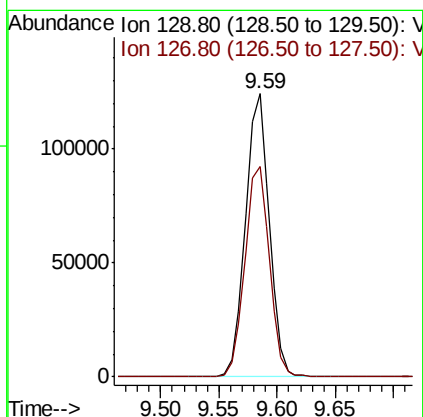
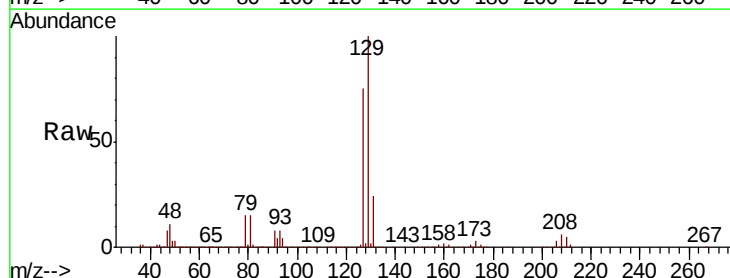
Instrument :
MSVOA_X
ClientSampleId :
VX1203WBS01

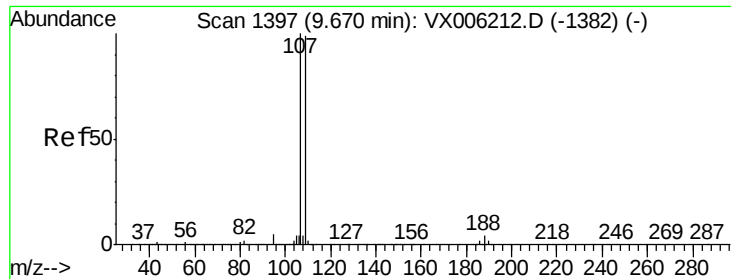
Tot Ion: 43 Resp: 750136
Ion Ratio Lower Upper
43 100
58 55.5 27.7 83.1



#60
Dibromochloromethane
Concen: 19.344 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

Tgt Ion: 129 Resp: 178214
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.732 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

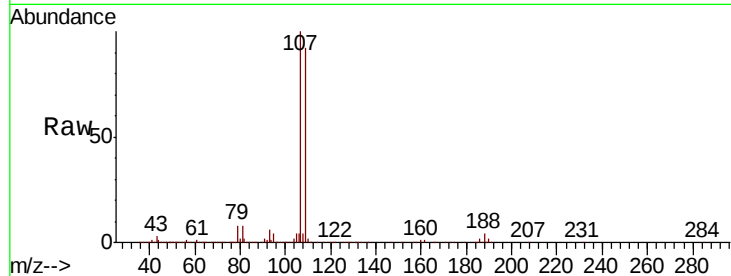
VX1203WBS01

Tot Ion:107 Resp: 164843

Ion Ratio Lower Upper

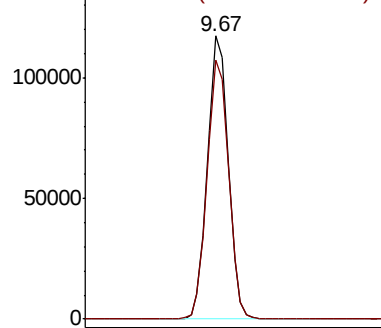
107 100

109 94.9 76.3 114.5

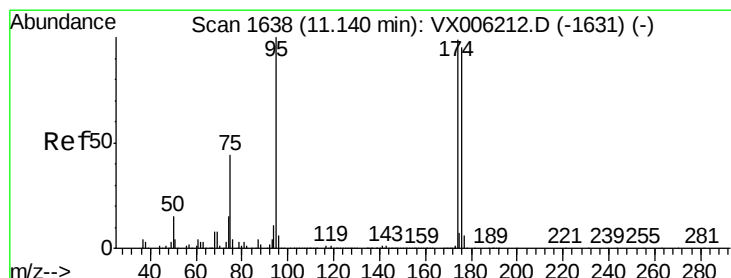
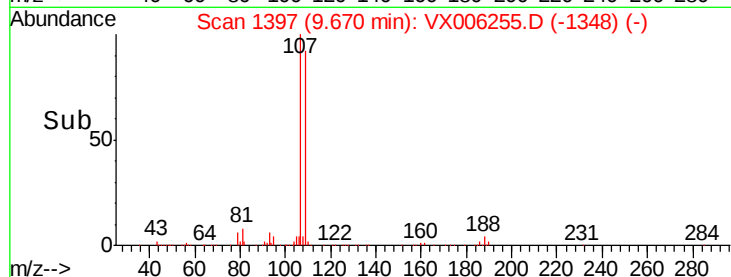


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 47.318 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

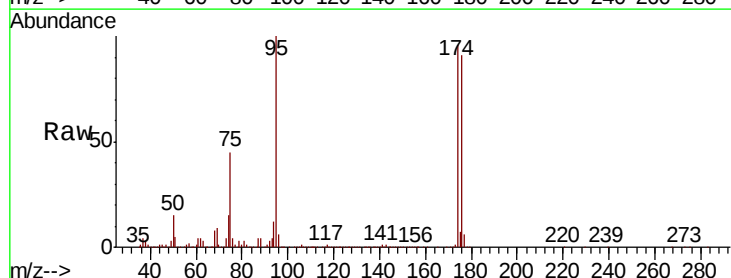
Tgt Ion: 95 Resp: 465408

Ion Ratio Lower Upper

95 100

174 91.3 0.0 187.0

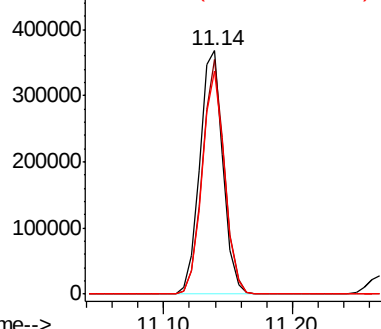
176 88.4 0.0 181.8



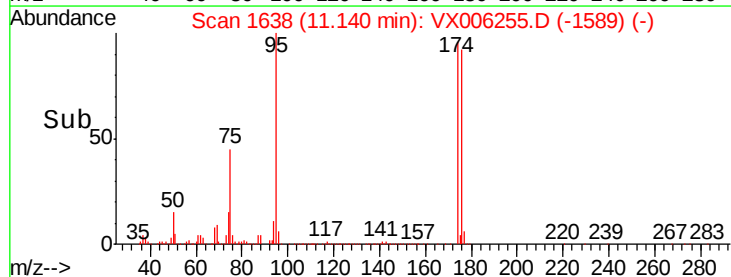
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

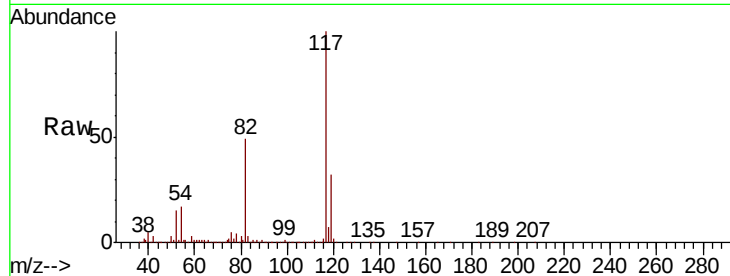




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

Instrument :
MSVOA_X
ClientSampleId :
VX1203WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.4	39.6	59.4
119	32.2	26.3	39.5

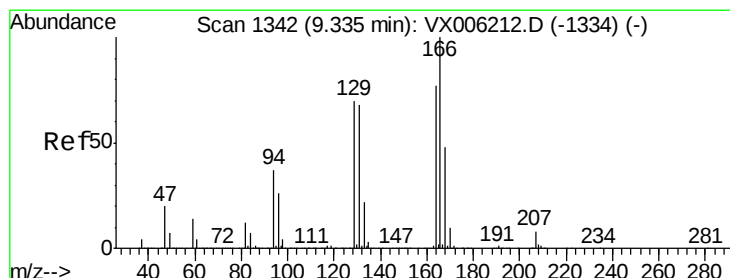
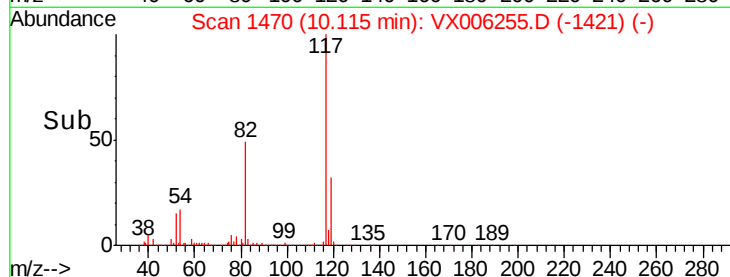
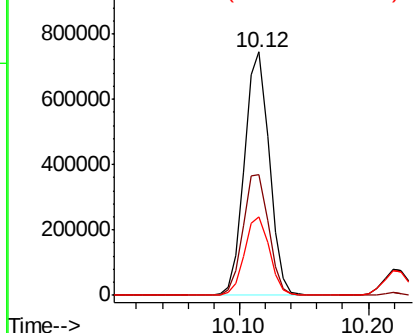


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.581 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	104.2	156.2
129	95.4	72.6	108.8
131	88.3	70.3	105.5

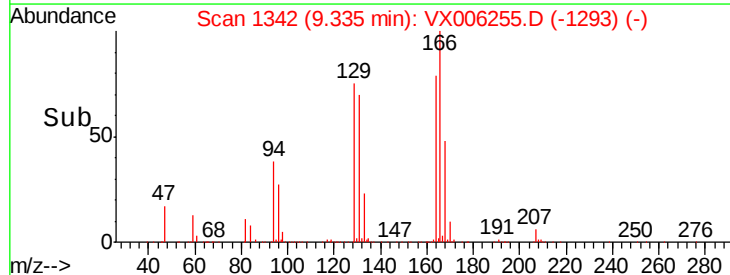
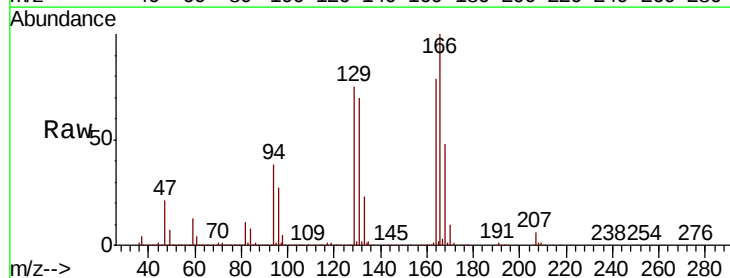
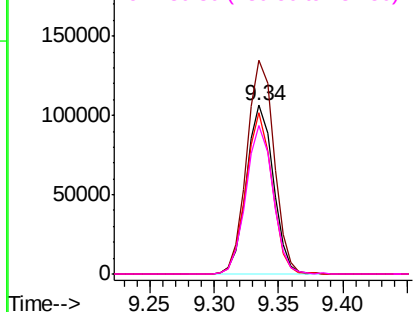
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

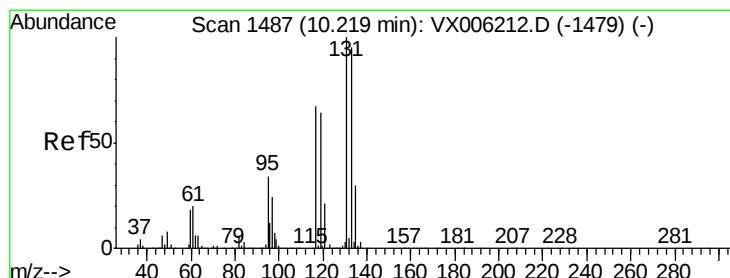
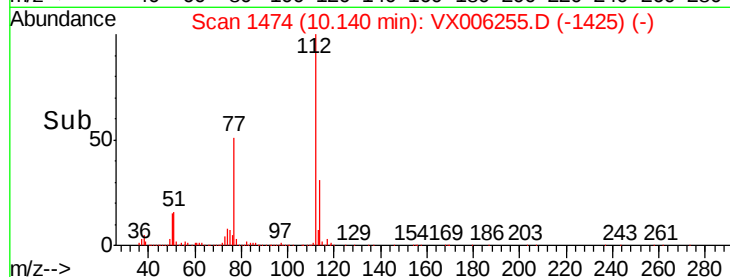
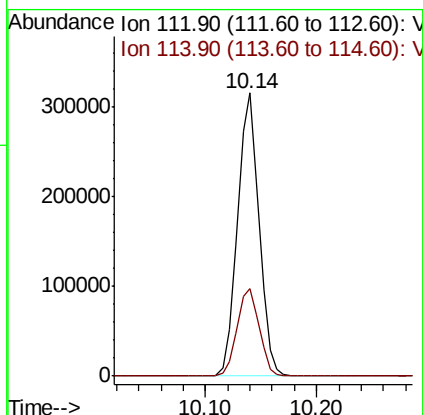
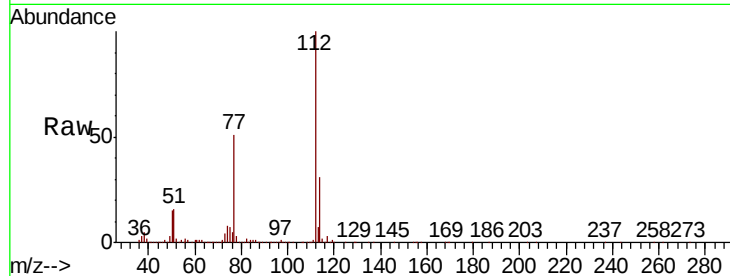




#65
Chlorobenzene
Concen: 20.135 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

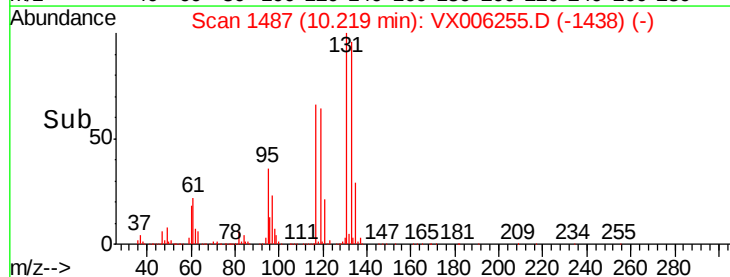
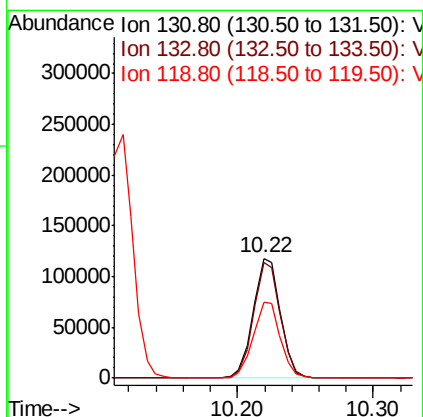
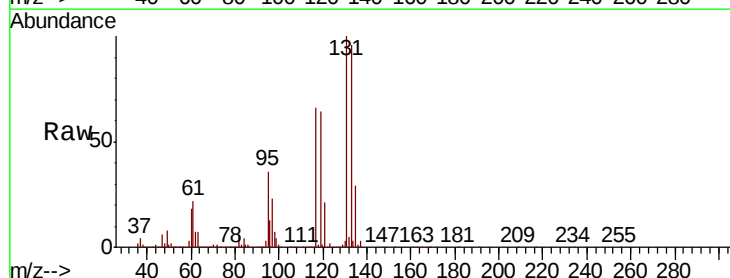
Instrument :
MSVOA_X
ClientSampleId :
VX1203WBS01

Tot Ion:112 Resp: 422584
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.280 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

Tgt Ion:131 Resp: 165373
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.4
119 63.7 32.1 96.3





#67

Ethyl Benzene

Concen: 19.683 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

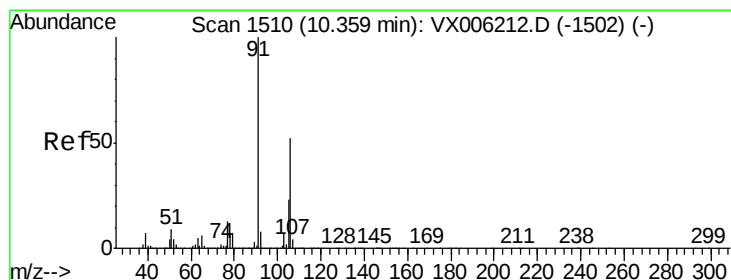
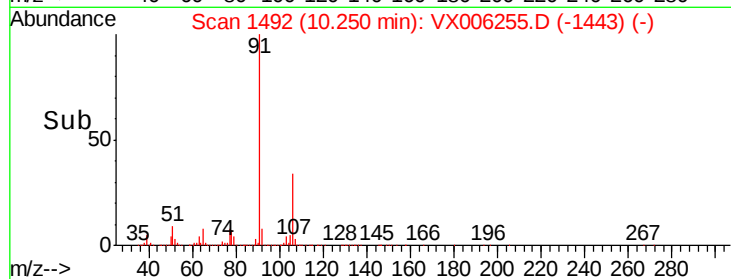
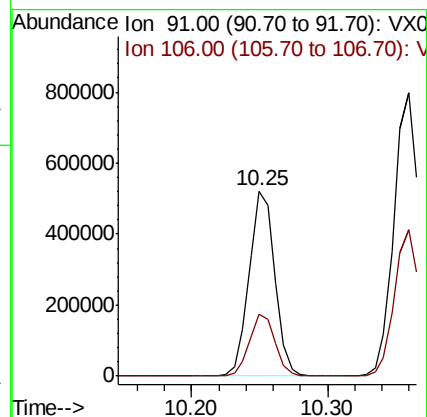
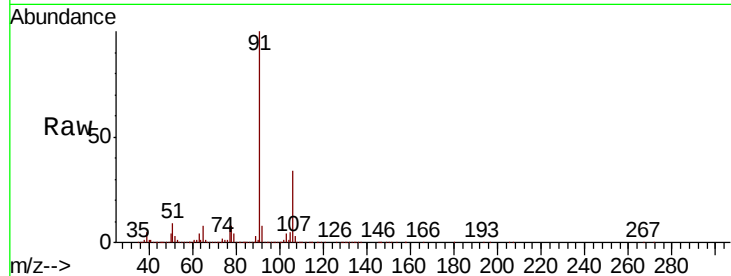
VX1203WBS01

Tot Ion: 91 Resp: 687064

Ion Ratio Lower Upper

91 100

106 33.6 26.5 39.7



#68

m/p-Xylenes

Concen: 39.009 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006255.D

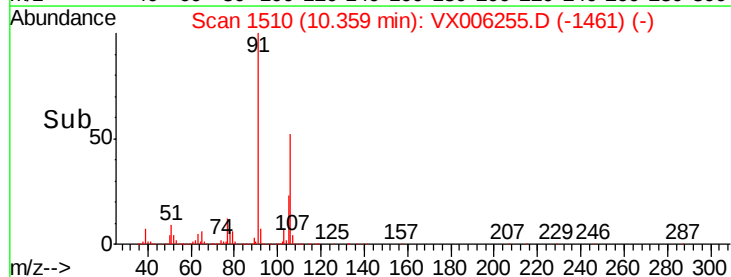
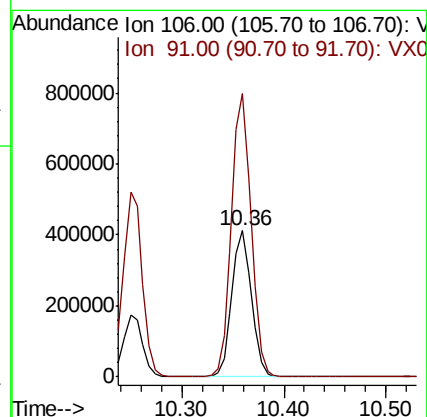
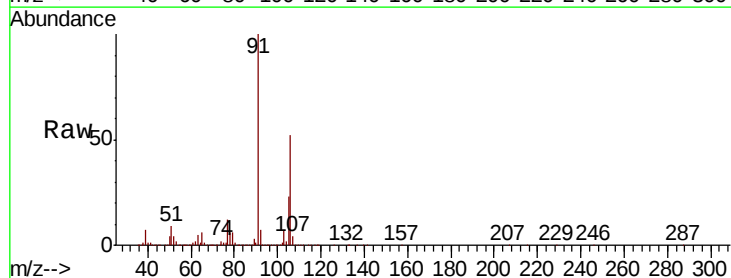
Acq: 03 Dec 2018 16:04

Tgt Ion: 106 Resp: 545446

Ion Ratio Lower Upper

106 100

91 194.2 155.2 232.8

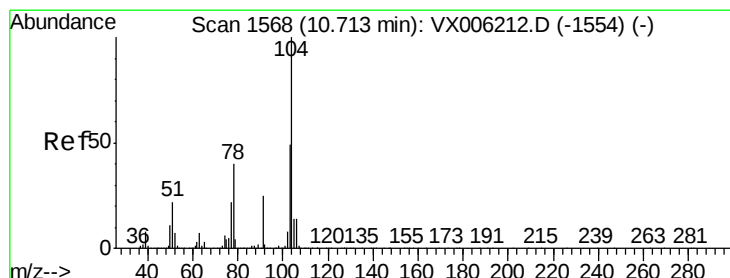
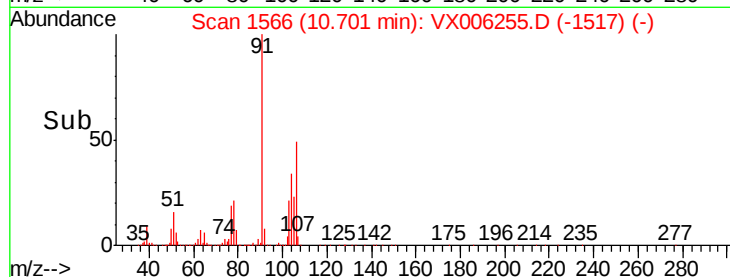
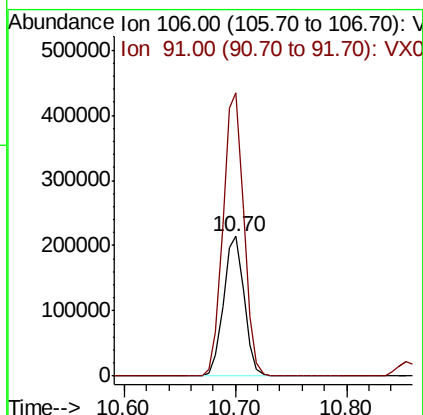
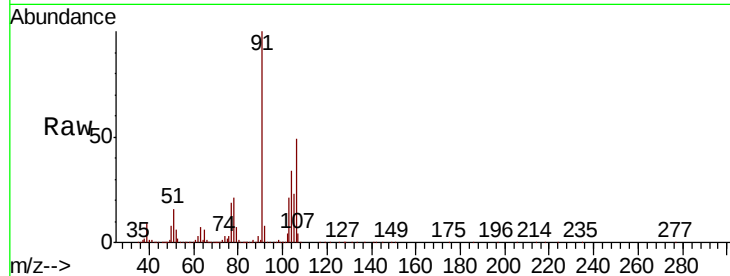




#69
o-Xylene
Concen: 19.888 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

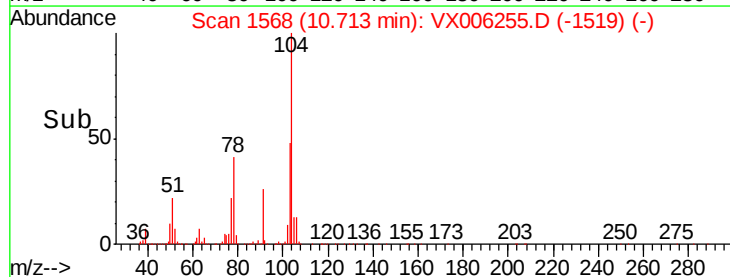
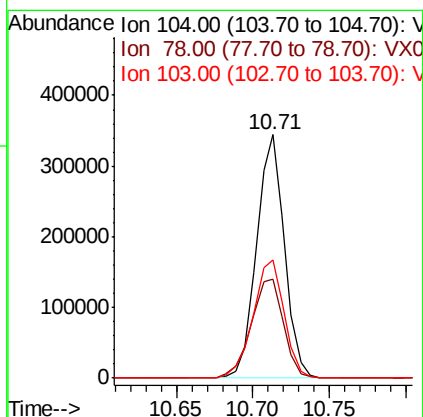
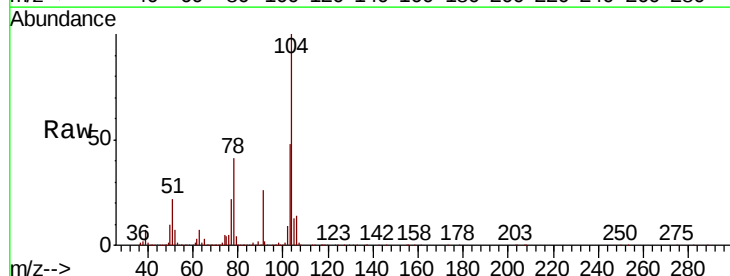
Instrument :
MSVOA_X
ClientSampled :
VX1203WBS01

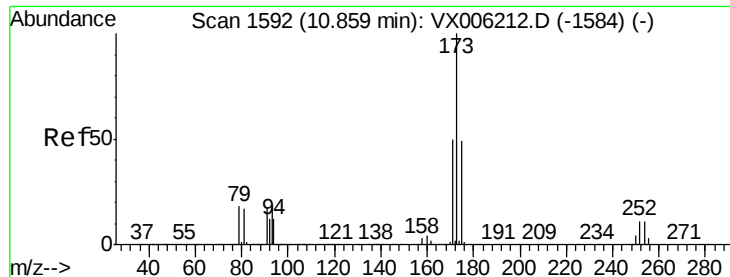
Tot Ion:106 Resp: 274674
Ion Ratio Lower Upper
106 100
91 203.3 101.8 305.6



#70
Styrene
Concen: 19.504 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006255.D
Acq: 03 Dec 2018 16:04

Tgt Ion:104 Resp: 435674
Ion Ratio Lower Upper
104 100
78 47.2 37.2 55.8
103 54.3 43.5 65.3





#71

Bromoform

Concen: 18.948 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VX1203WBS01

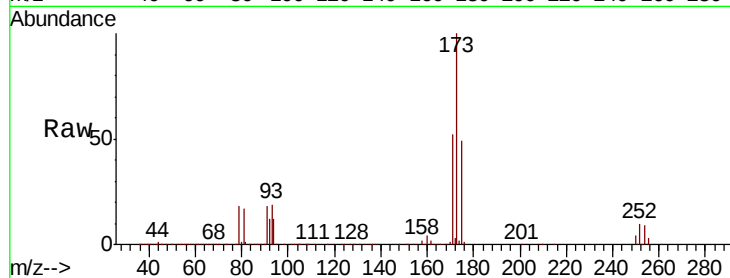
Tot Ion:173 Resp: 145852

Ion Ratio Lower Upper

173 100

175 49.5 24.6 73.8

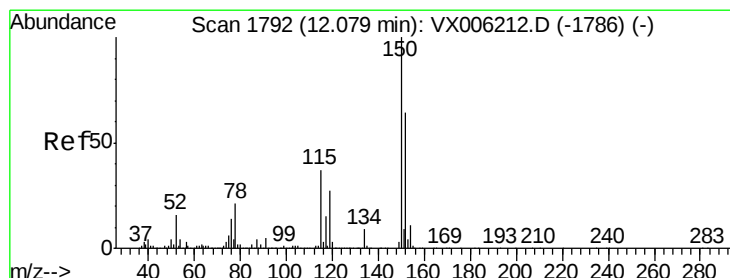
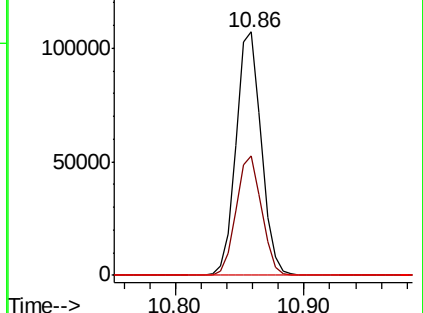
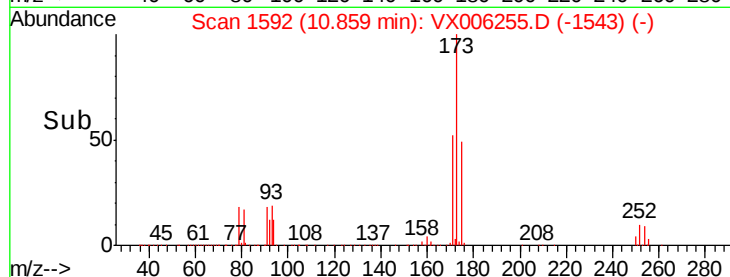
254 0.2 0.2 0.2



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: VX006255.D

Acq: 03 Dec 2018 16:04

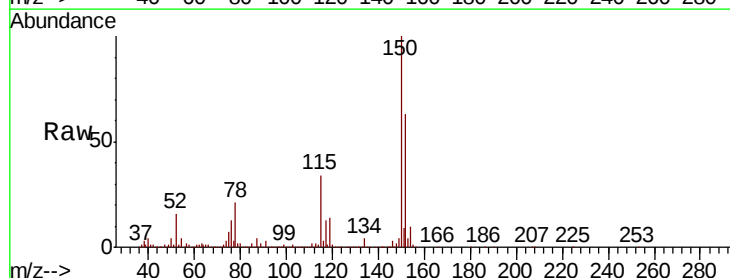
Tgt Ion:152 Resp: 502914

Ion Ratio Lower Upper

152 100

115 63.7 39.0 116.9

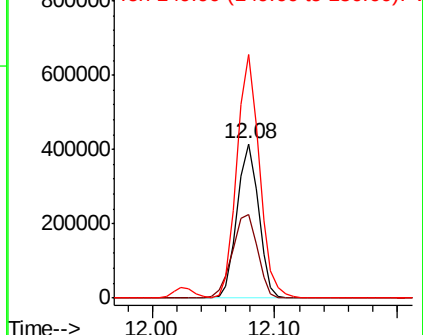
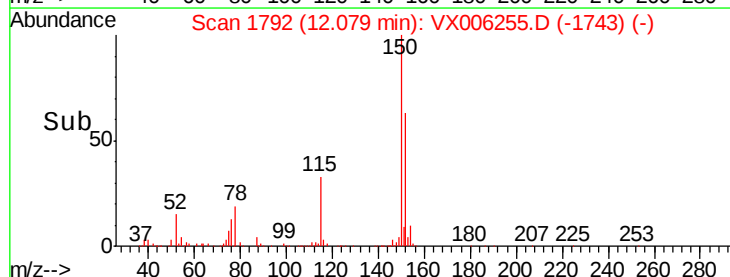
150 164.4 0.0 345.8

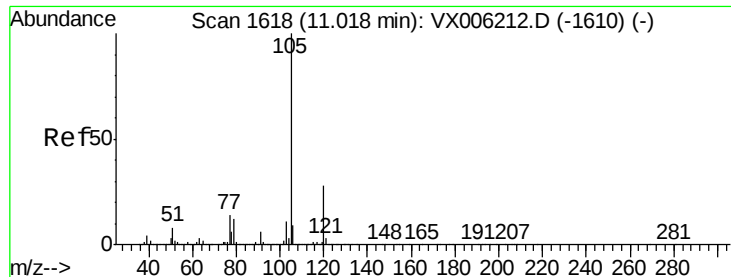


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.640 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

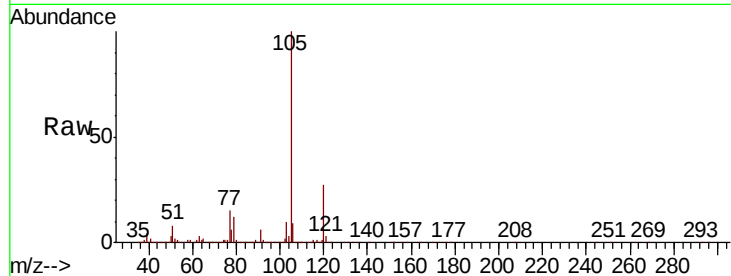
VX1203WBS01

Tot Ion:105 Resp: 716858

Ion Ratio Lower Upper

105 100

120 28.3 14.1 42.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

200000

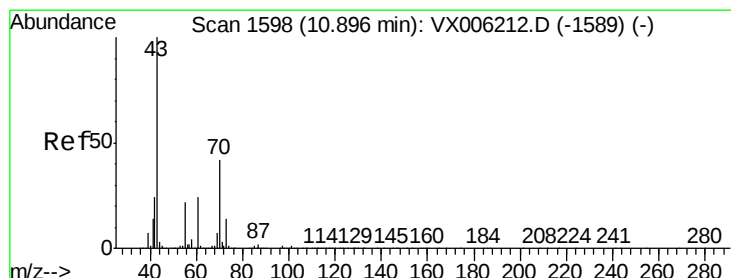
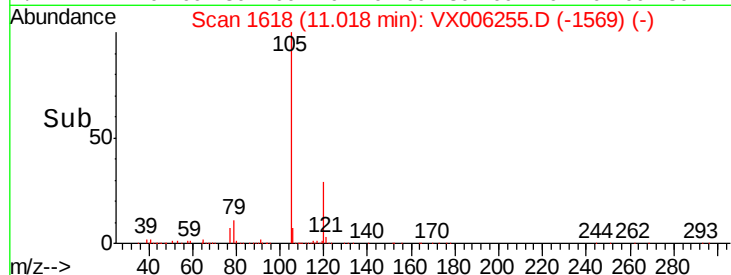
0

11.02

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 19.581 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Tgt Ion: 43 Resp: 292847

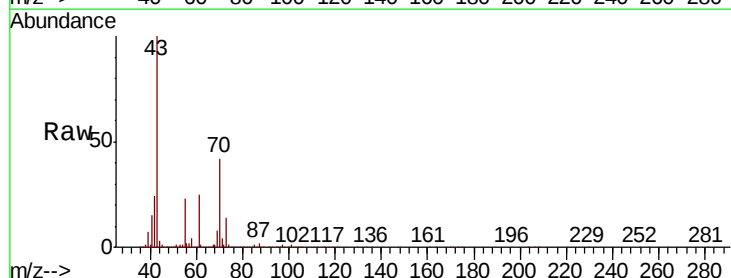
Ion Ratio Lower Upper

43 100

70 42.8 34.1 51.1

55 23.3 17.8 26.8

61 25.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

300000

200000

100000

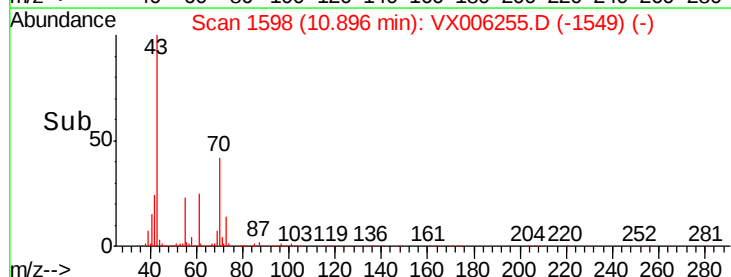
0

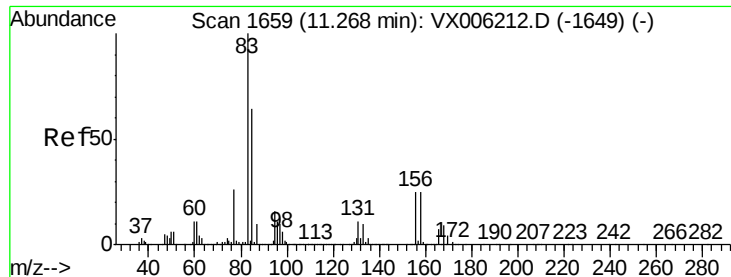
10.90

10.85

10.95

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.889 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VX1203WBS01

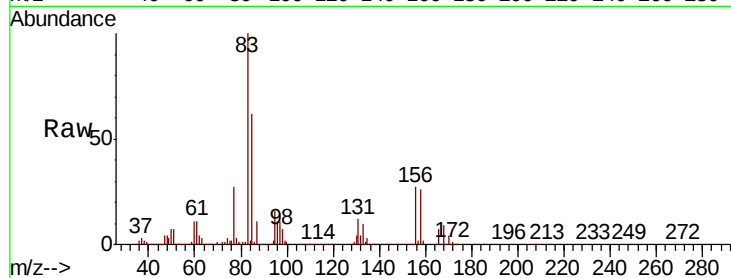
Tot Ion: 83 Resp: 232095

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.1

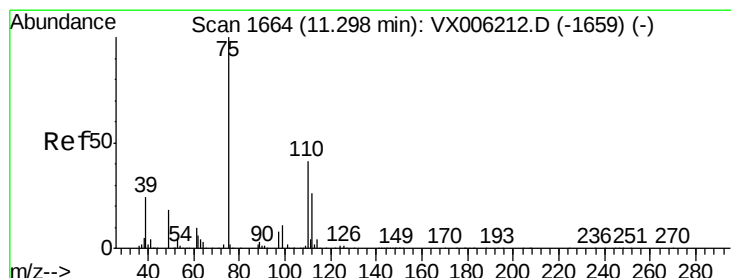
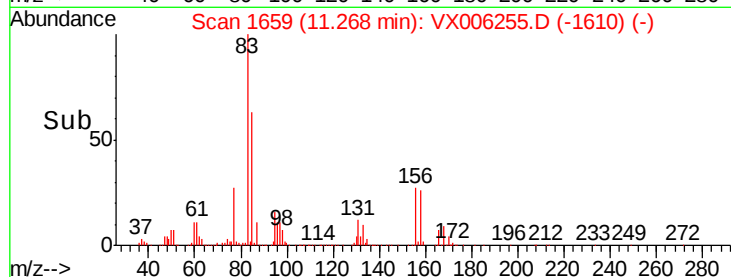
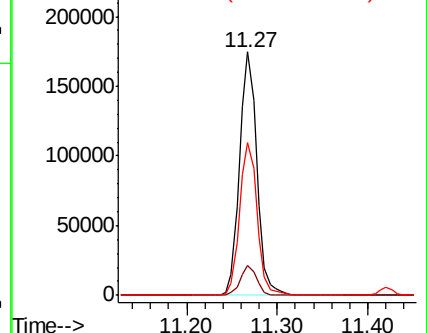
85 63.5 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.639 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006255.D

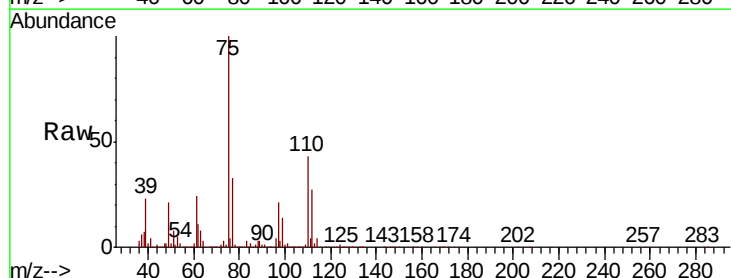
Acq: 03 Dec 2018 16:04

Tgt Ion: 75 Resp: 268293

Ion Ratio Lower Upper

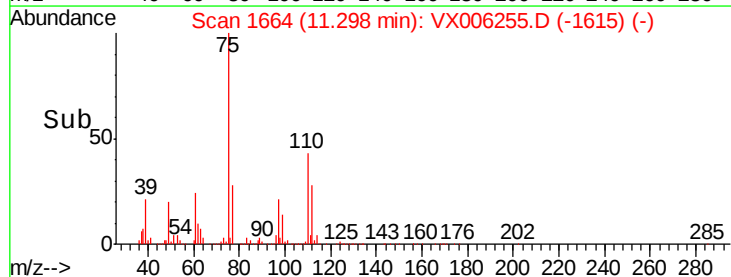
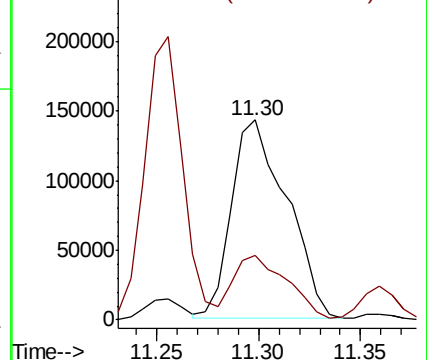
75 100

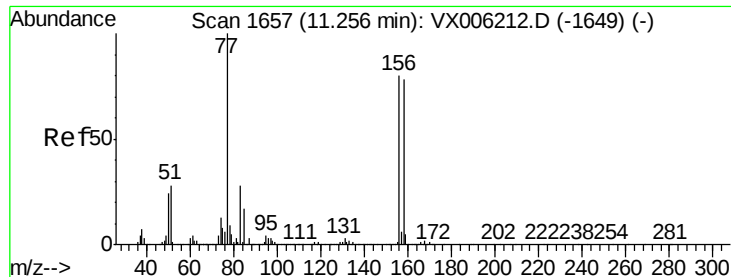
77 31.5 19.9 59.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.297 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VX1203WBS01

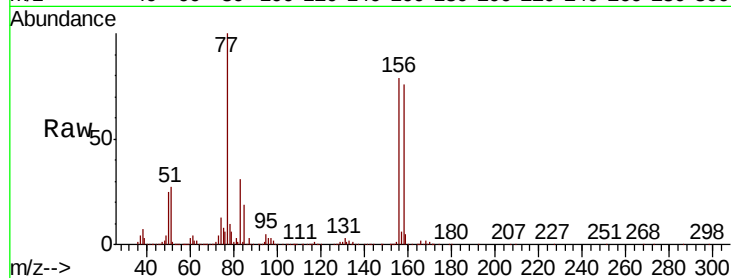
Tot Ion:156 Resp: 195628

Ion Ratio Lower Upper

156 100

77 134.6 66.2 198.6

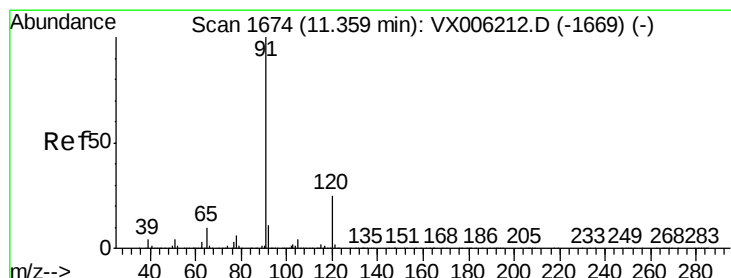
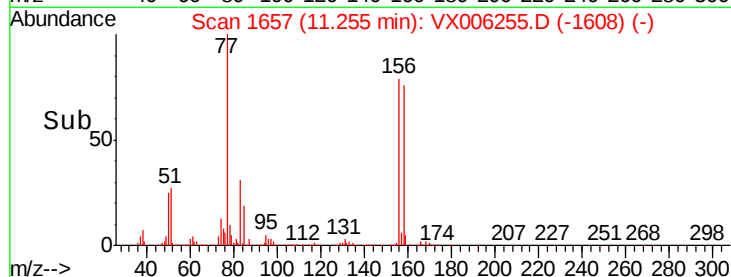
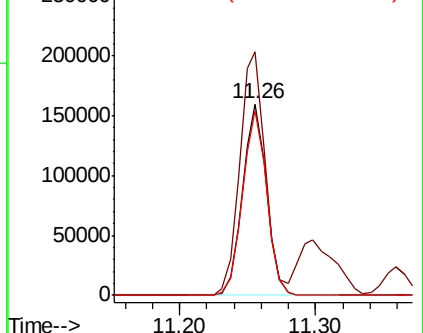
158 97.4 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.005 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006255.D

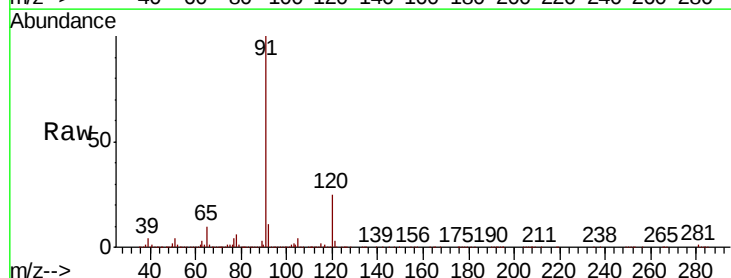
Acq: 03 Dec 2018 16:04

Tgt Ion: 91 Resp: 772315

Ion Ratio Lower Upper

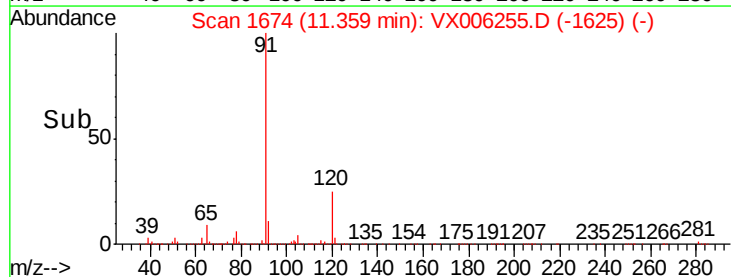
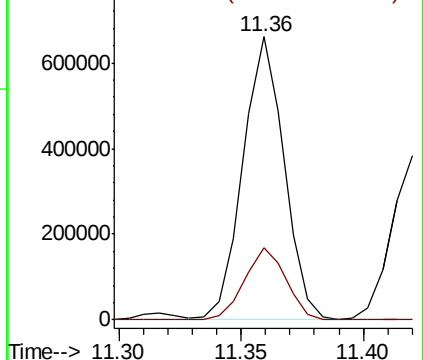
91 100

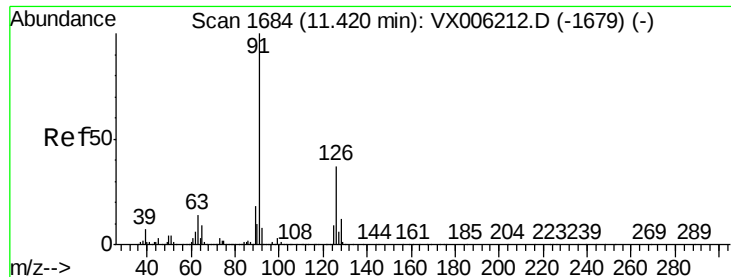
120 25.6 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.489 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

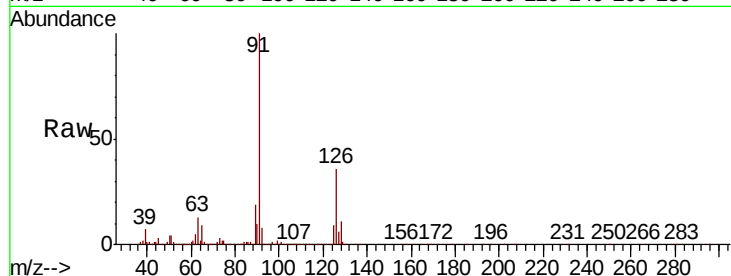
VX1203WBS01

Tot Ion: 91 Resp: 470138

Ion Ratio Lower Upper

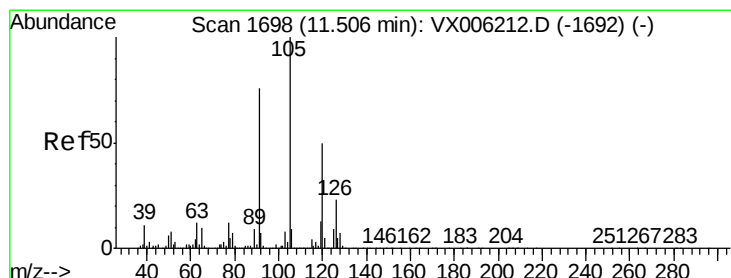
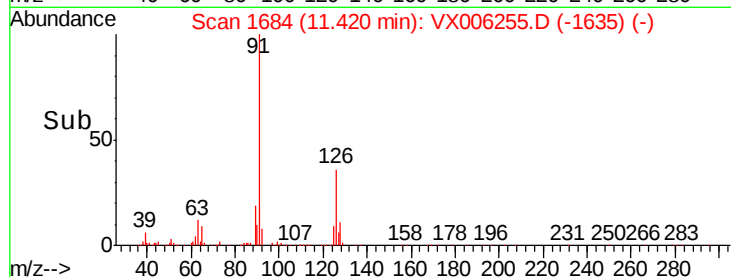
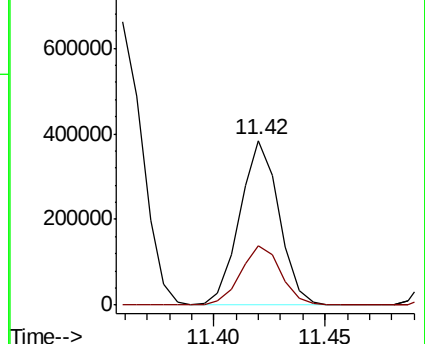
91 100

126 37.2 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.134 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006255.D

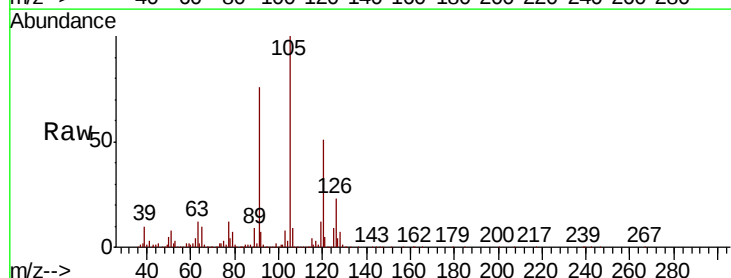
Acq: 03 Dec 2018 16:04

Tgt Ion:105 Resp: 581796

Ion Ratio Lower Upper

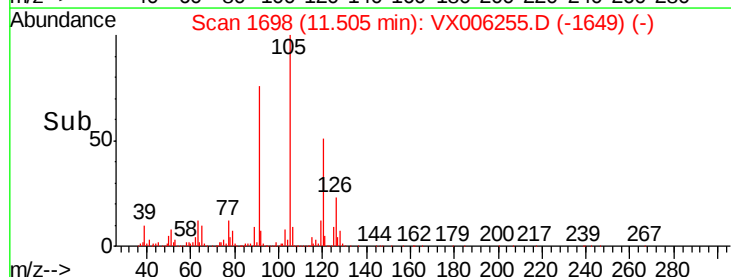
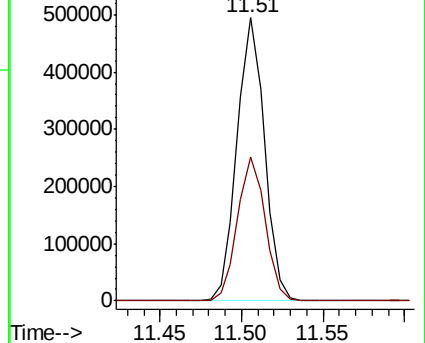
105 100

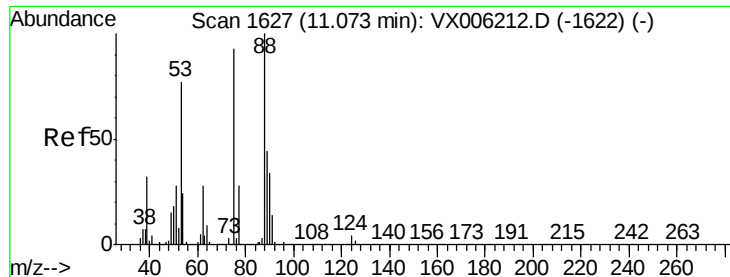
120 51.2 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.840 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VX1203WBS01

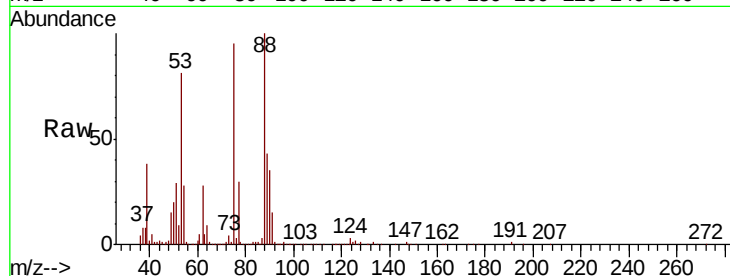
Tot Ion: 75 Resp: 77930

Ion Ratio Lower Upper

75 100

53 85.9 64.4 96.6

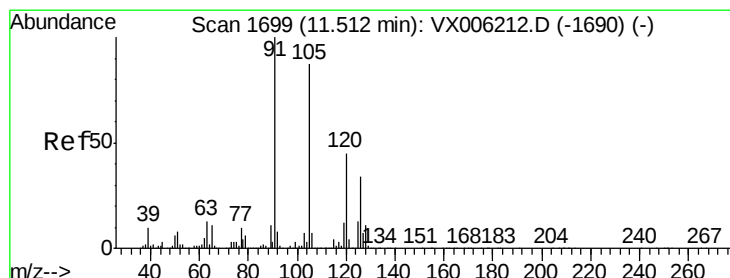
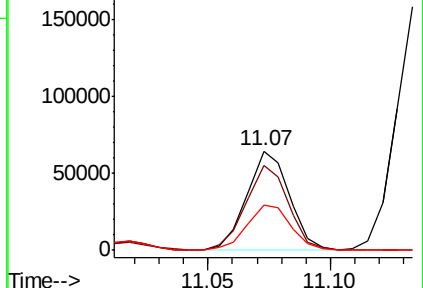
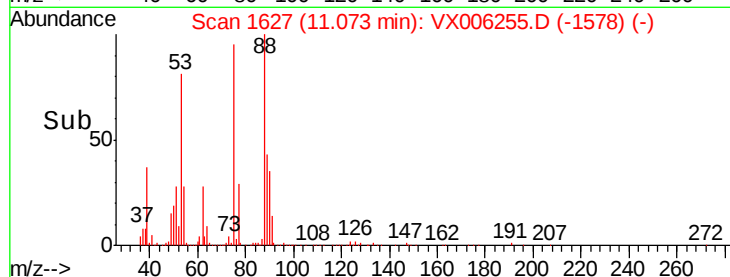
89 47.7 44.2 66.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.911 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006255.D

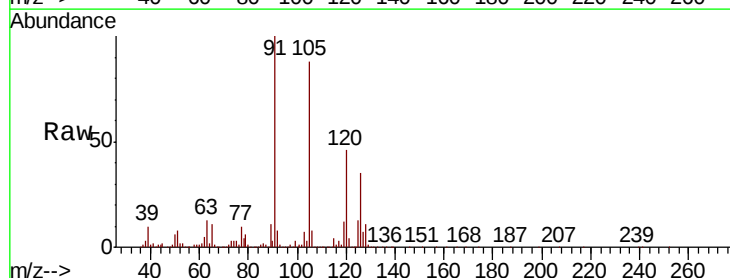
Acq: 03 Dec 2018 16:04

Tgt Ion: 91 Resp: 531207

Ion Ratio Lower Upper

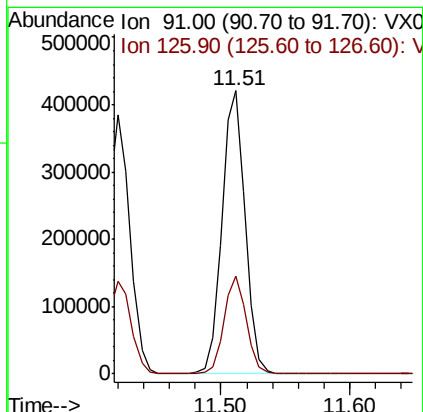
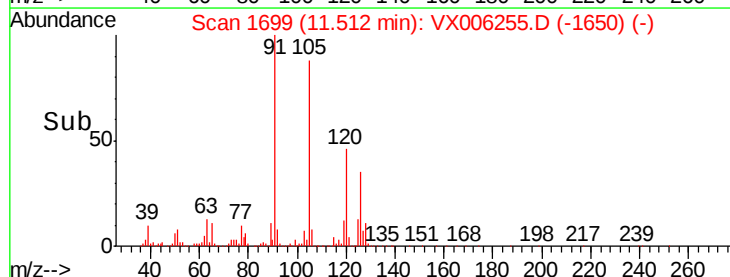
91 100

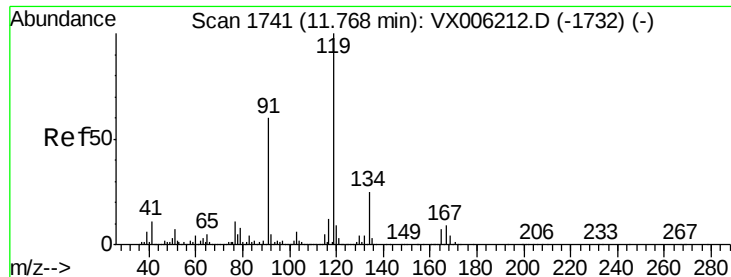
126 33.3 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

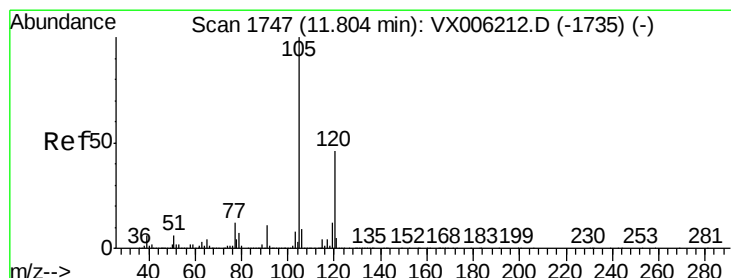
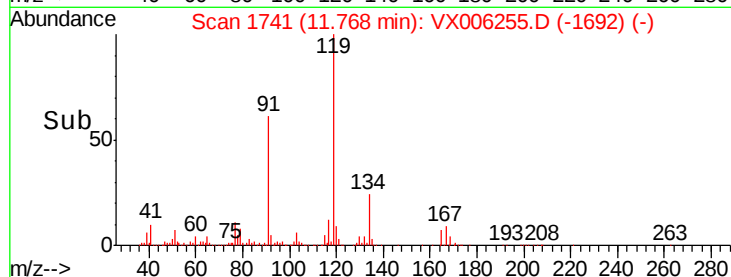
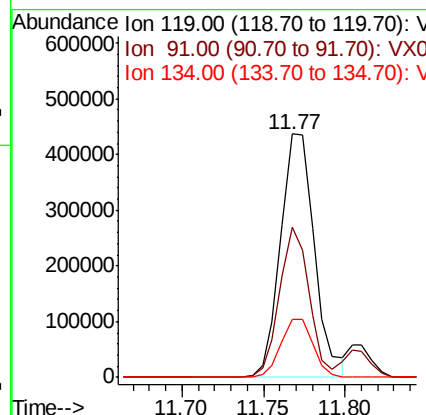
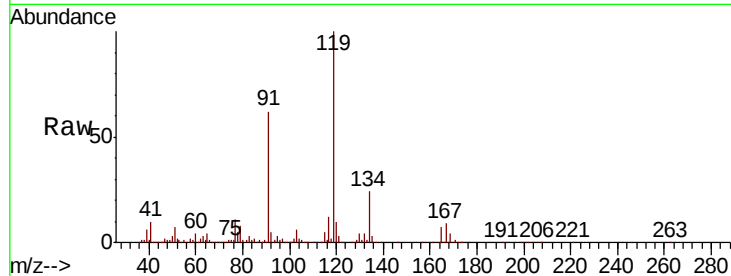




#83
 tert-Butylbenzene
 Concen: 20.316 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006255.D
 Acq: 03 Dec 2018 16:04

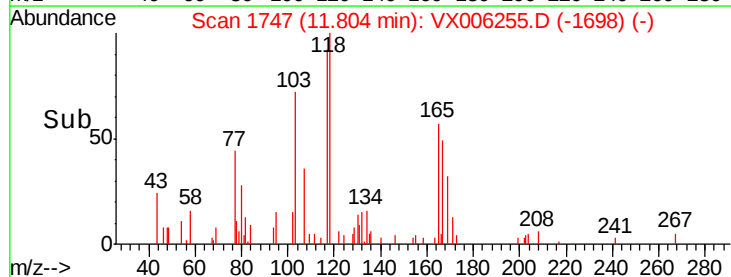
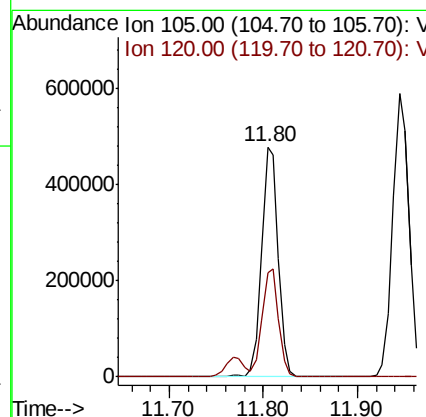
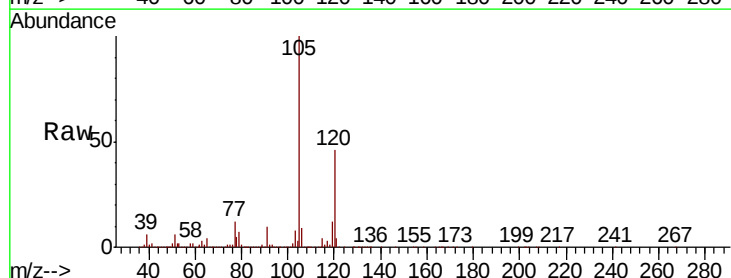
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1203WBS01

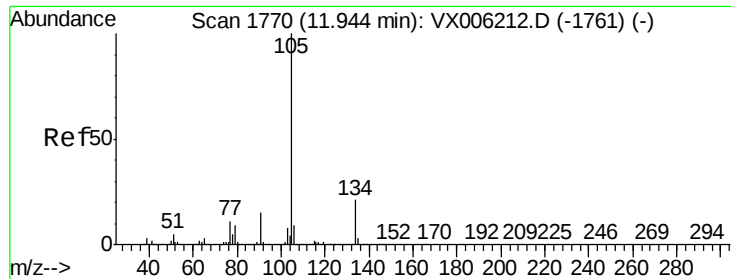
Tot Ion:119 Resp: 626384
 Ion Ratio Lower Upper
 119 100
 91 54.1 26.4 79.2
 134 22.8 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.048 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX006255.D
 Acq: 03 Dec 2018 16:04

Tgt Ion:105 Resp: 598201
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.4 70.0





#85

sec-Butylbenzene

Concen: 20.254 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

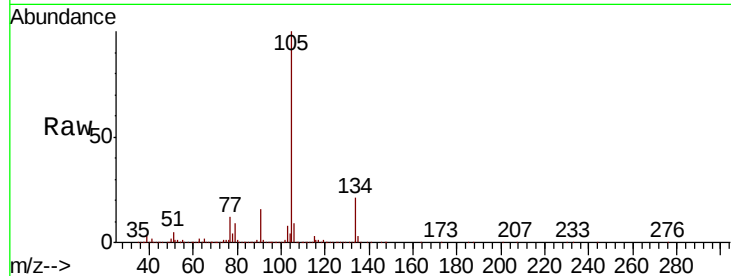
VX1203WBS01

Tot Ion:105 Resp: 710425

Ion Ratio Lower Upper

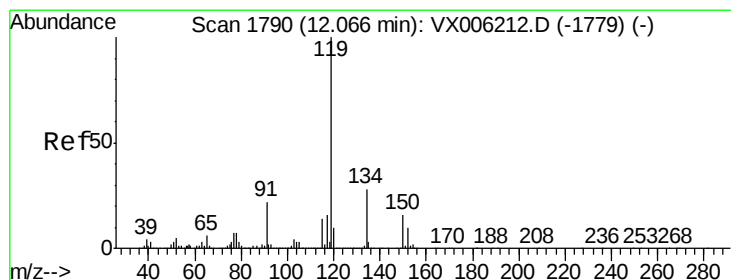
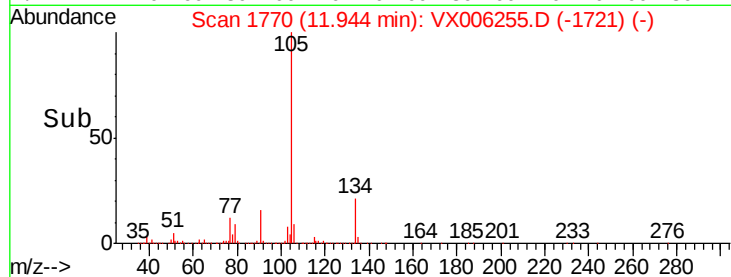
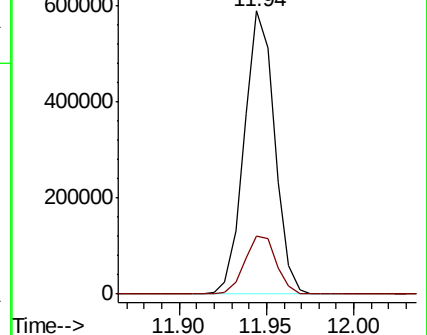
105 100

134 21.5 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.148 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

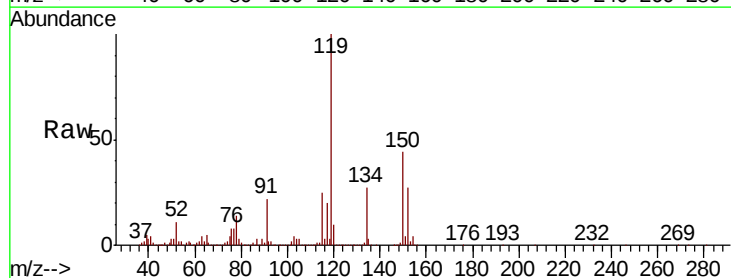
Tgt Ion:119 Resp: 636348

Ion Ratio Lower Upper

119 100

134 27.4 13.9 41.6

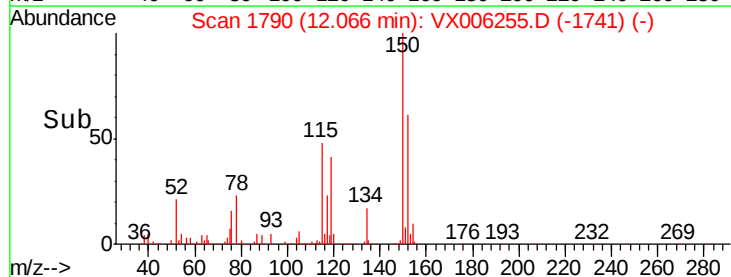
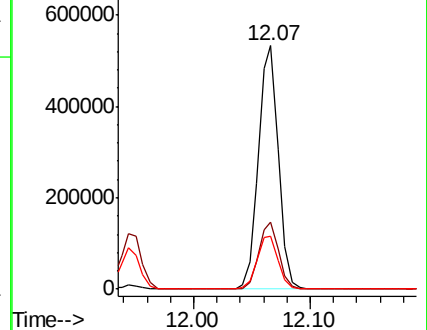
91 22.8 11.3 33.8

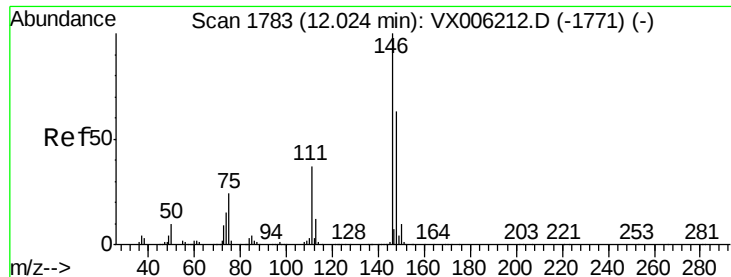


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

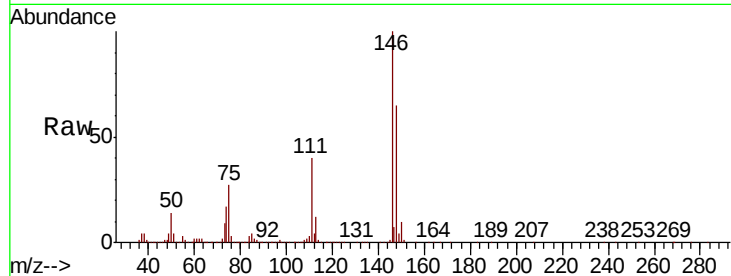




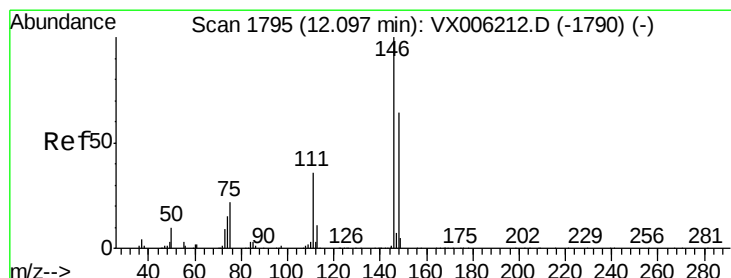
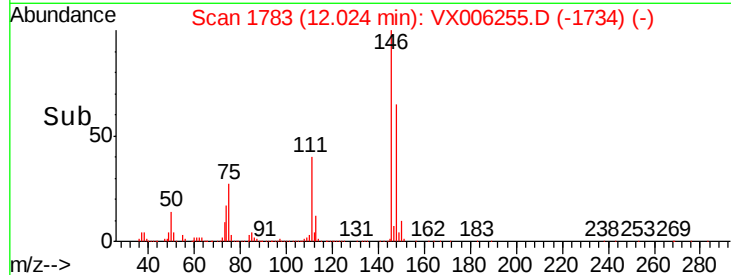
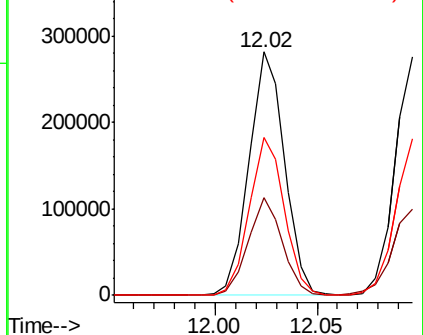
#87
 1,3-Dichlorobenzene
 Concen: 19.945 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006255.D
 Acq: 03 Dec 2018 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1203WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.4	55.2
148	64.0	32.0	96.0

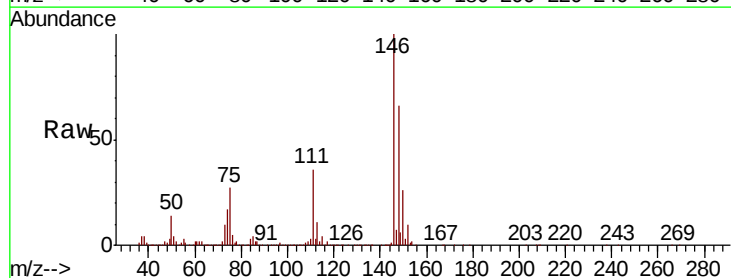


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

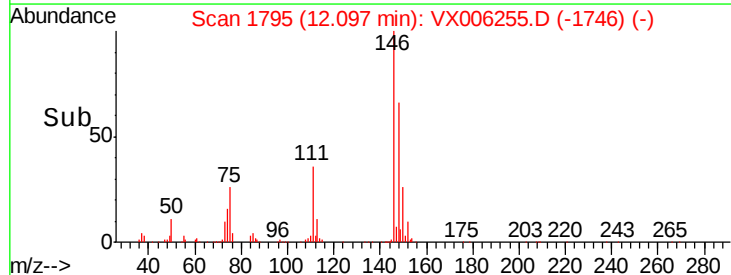
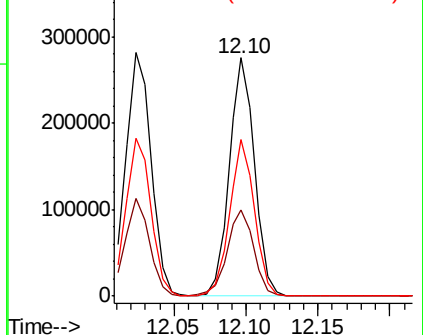


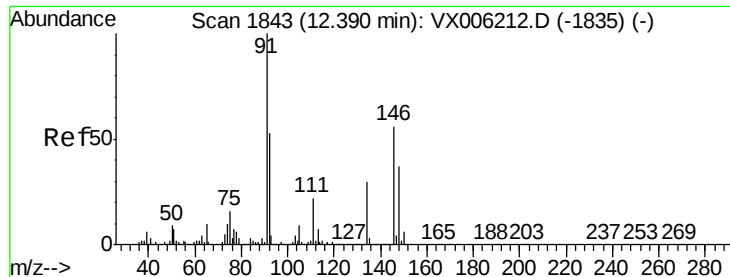
#88
 1,4-Dichlorobenzene
 Concen: 19.373 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006255.D
 Acq: 03 Dec 2018 16:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.3	54.8
148	64.8	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: 19.492 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VX1203WBS01

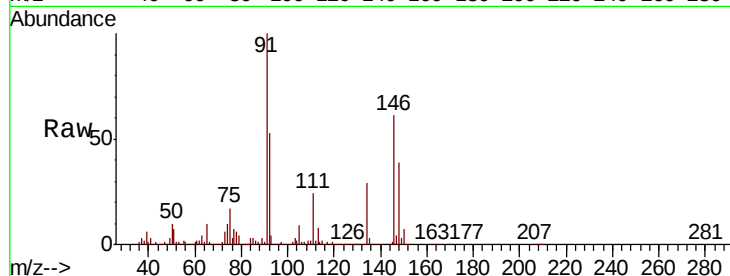
Tot Ion: 91 Resp: 525284

Ion Ratio Lower Upper

91 100

92 53.5 26.6 79.8

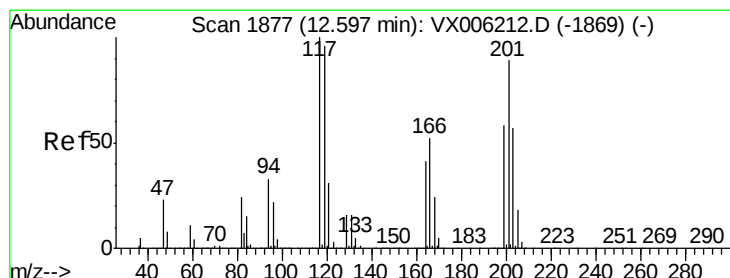
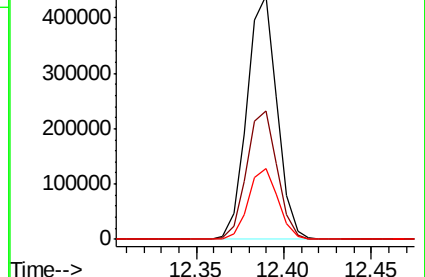
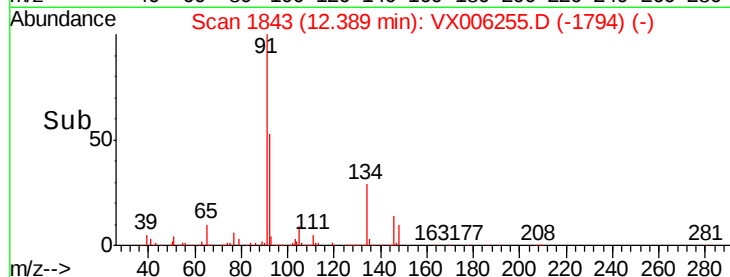
134 28.8 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX006212.D (-1835) (-)

Ion 92.00 (91.70 to 92.70): VX006212.D (-1835) (-)

Ion 134.00 (133.70 to 134.70): VX006212.D (-1835) (-)



#90

Hexachloroethane

Concen: 19.994 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX006255.D

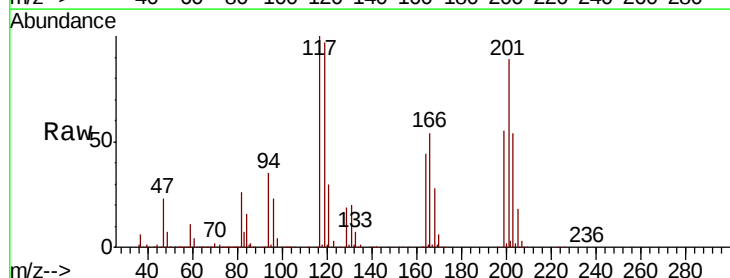
Acq: 03 Dec 2018 16:04

Tgt Ion: 117 Resp: 128707

Ion Ratio Lower Upper

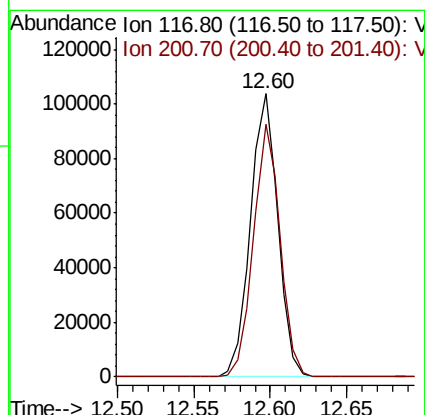
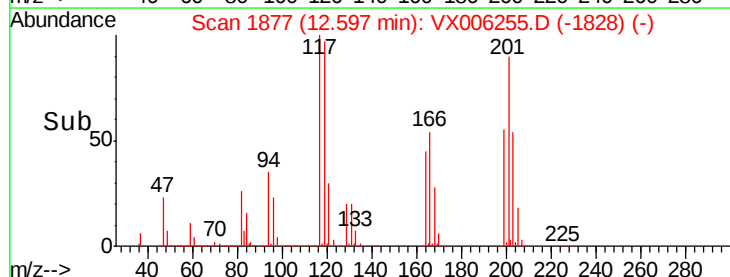
117 100

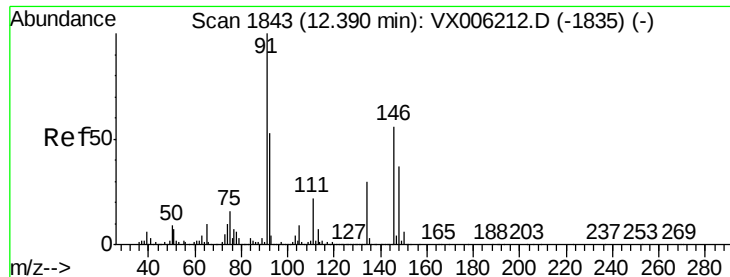
201 87.2 44.7 134.1



Abundance Ion 116.80 (116.50 to 117.50): VX006212.D (-1869) (-)

Ion 200.70 (200.40 to 201.40): VX006212.D (-1869) (-)





#91

1,2-Dichlorobenzene

Concen: 20.019 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VX1203WBS01

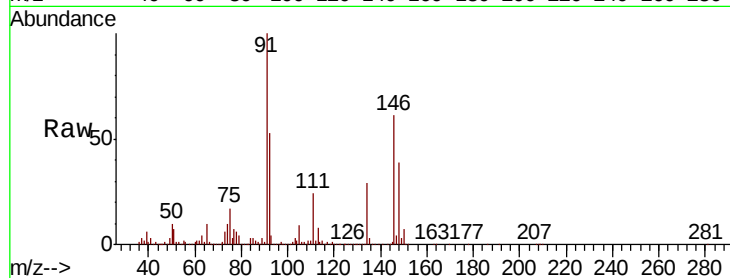
Tot Ion:146 Resp: 340738

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.3

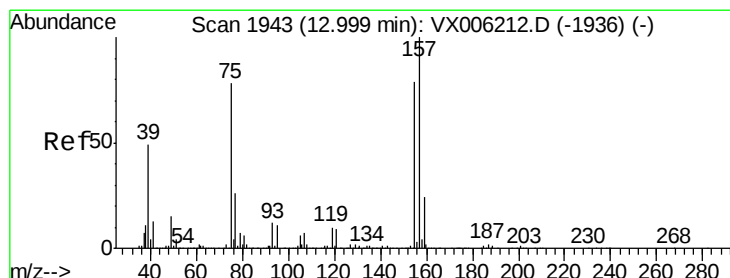
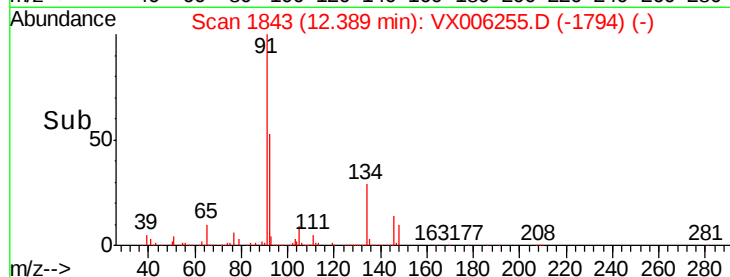
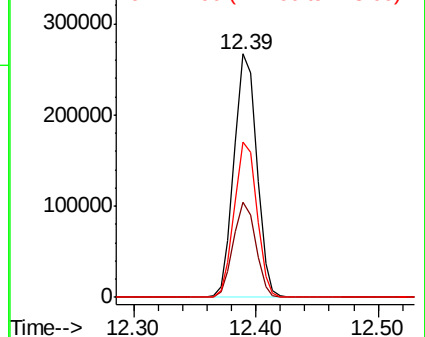
148 63.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.454 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

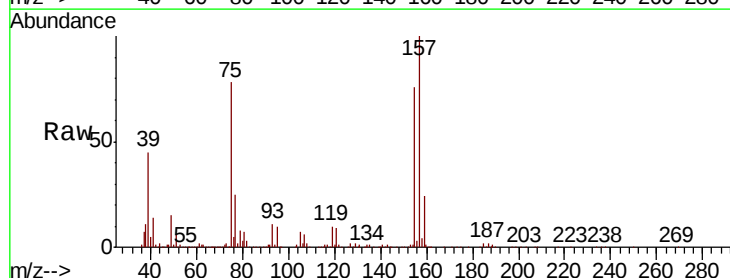
Tgt Ion: 75 Resp: 55410

Ion Ratio Lower Upper

75 100

155 101.9 53.4 160.3

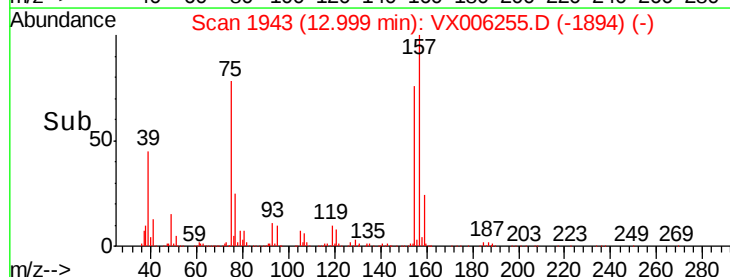
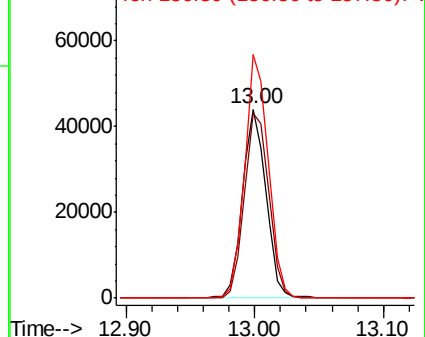
157 128.8 68.0 203.8

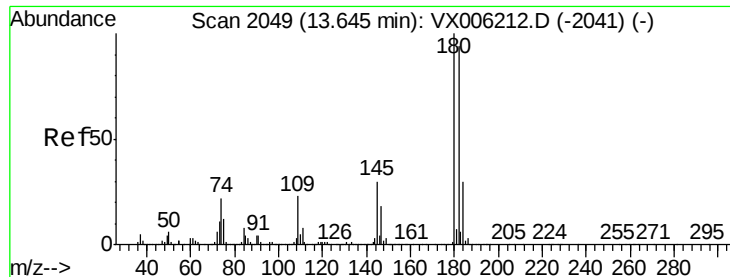


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

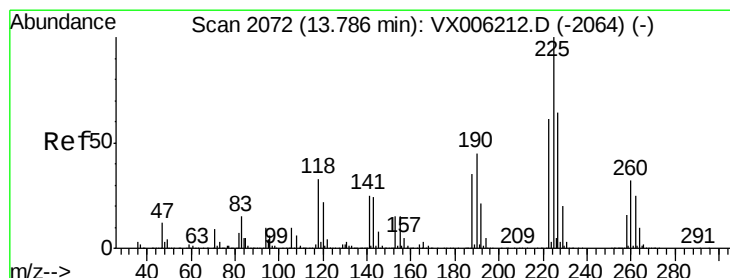
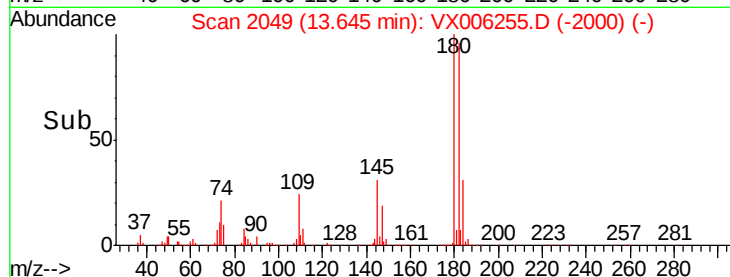
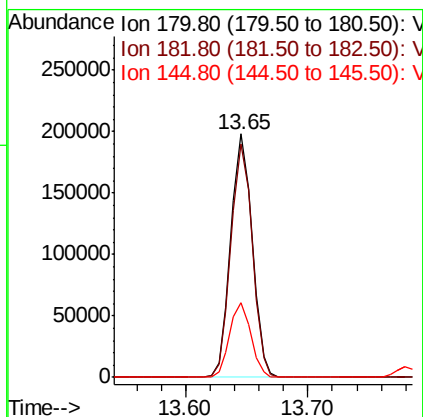
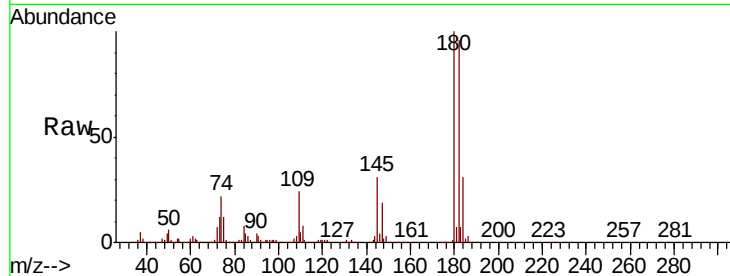




#93
 1,2,4-Trichlorobenzene
 Concen: 19.297 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006255.D
 Acq: 03 Dec 2018 16:04

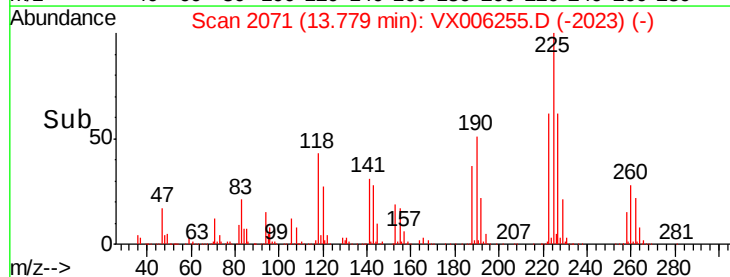
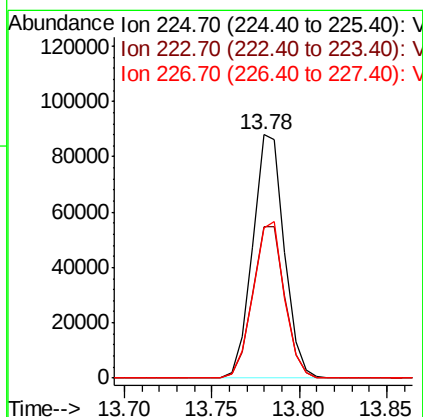
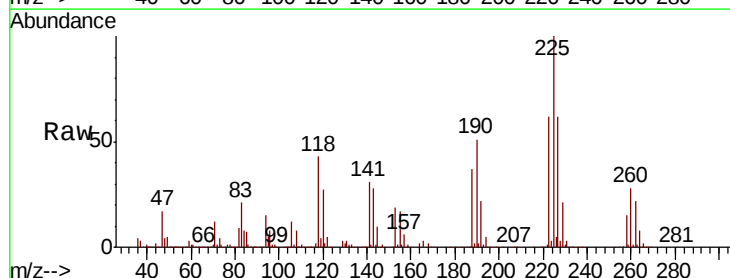
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1203WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.9
145	30.4	14.6	43.8



#94
 Hexachlorobutadiene
 Concen: 20.054 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006255.D
 Acq: 03 Dec 2018 16:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.2	93.6
227	63.7	31.9	95.5





#95

Naphthalene

Concen: 20.086 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VX1203WBS01

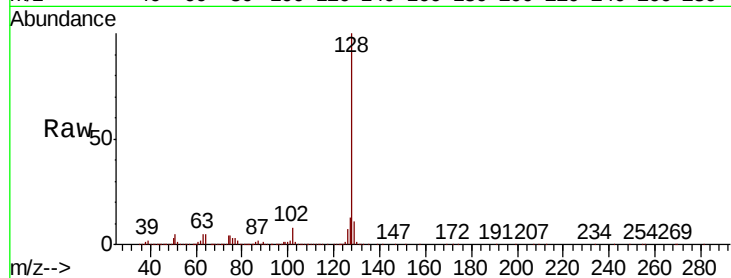
Tot Ion:128 Resp: 775851

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

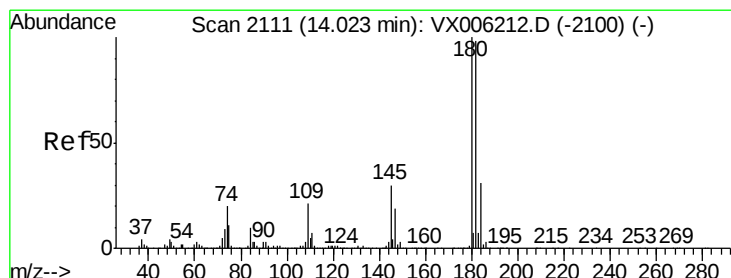
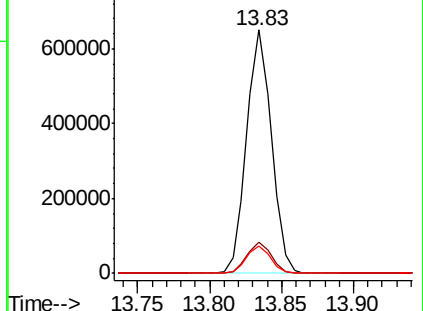
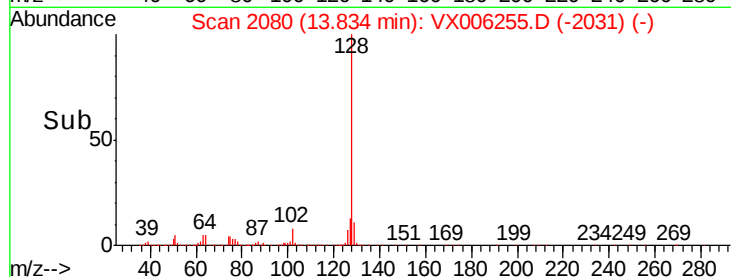
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.684 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006255.D

Acq: 03 Dec 2018 16:04

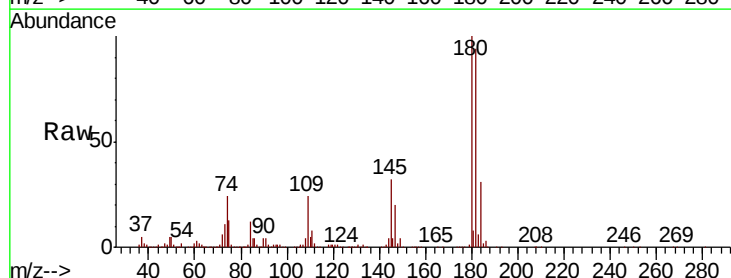
Tgt Ion:180 Resp: 242104

Ion Ratio Lower Upper

180 100

182 95.4 48.4 145.2

145 31.4 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

