

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101118\
 Data File : VX005257.D
 Acq On : 11 Oct 2018 16:46
 Operator : JC/MD
 Sample : VX1011WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Quant Time: Oct 12 07:09:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	225016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	307854	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	290571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164925	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	138335	43.04	ug/l	0.00
Spiked Amount			Recovery	=	86.08%	
35) Dibromofluoromethane	5.50	113	113683	43.57	ug/l	0.00
Spiked Amount			Recovery	=	87.14%	
50) Toluene-d8	8.71	98	417460	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
62) 4-Bromofluorobenzene	11.14	95	158990	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	57479	18.735	ug/l	98
3) Chloromethane	1.32	50	60789	16.331	ug/l	100
4) Vinyl Chloride	1.40	62	61407	17.589	ug/l	99
5) Bromomethane	1.64	94	33225	16.049	ug/l	96
6) Chloroethane	1.71	64	39638	19.410	ug/l	98
7) Trichlorofluoromethane	1.92	101	82699	19.135	ug/l	93
8) Diethyl Ether	2.19	74	32005	17.046	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	47185	19.166	ug/l	99
10) Methyl Iodide	2.51	142	41389	12.563	ug/l	92
11) Tert butyl alcohol	3.07	59	72022	80.134	ug/l	100
12) 1,1-Dichloroethene	2.37	96	42286	17.344	ug/l	93
13) Acrolein	2.29	56	37260	58.267	ug/l	89
14) Allyl chloride	2.73	41	93484	17.573	ug/l	95
15) Acrylonitrile	3.15	53	172990	87.434	ug/l	97
16) Acetone	2.45	43	158590	84.509	ug/l	92
17) Carbon Disulfide	2.57	76	116119	15.850	ug/l	99
18) Methyl Acetate	2.78	43	92198	19.391	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	157397	18.716	ug/l	94
20) Methylene Chloride	2.85	84	49611	17.639	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	45420	17.018	ug/l	# 83
22) Diisopropyl ether	3.87	45	151804	16.946	ug/l	98
23) Vinyl Acetate	3.82	43	699943	85.361	ug/l	99
24) 1,1-Dichloroethane	3.70	63	92790	17.365	ug/l	99
25) 2-Butanone	4.71	43	218128	78.856	ug/l	95
26) 2,2-Dichloropropane	4.58	77	65753	17.671	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	47587	15.960	ug/l	93
28) Bromochloromethane	5.03	49	35798	14.226	ug/l	98
29) Tetrahydrofuran	5.16	42	140087	81.480	ug/l	99
30) Chloroform	5.21	83	83005	16.436	ug/l	99
31) Cyclohexane	5.57	56	70307	17.191	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	71946	17.444	ug/l	95
36) 1,1-Dichloropropene	5.80	75	60847	17.093	ug/l	96
37) Ethyl Acetate	4.86	43	77618	16.426	ug/l	98
38) Carbon Tetrachloride	5.78	117	67429	18.020	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	69083	19.005	ug/l	87
40) Benzene	6.15	78	184381	16.544	ug/l	94
41) Methacrylonitrile	5.06	41	45803	17.479	ug/l	97
42) 1,2-Dichloroethane	6.20	62	68034	17.269	ug/l	99
43) Isopropyl Acetate	6.46	43	113437	16.632	ug/l	97
44) Trichloroethene	7.21	130	48743	17.791	ug/l	98
45) 1,2-Dichloropropane	7.52	63	50454	18.461	ug/l	98
46) Dibromomethane	7.66	93	31848	18.542	ug/l	99
47) Bromodichloromethane	7.90	83	61584	19.151	ug/l	99
48) Methyl methacrylate	7.78	41	58111	18.772	ug/l	97
49) 1,4-Dioxane	7.76	88	24030	312.457	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	410323	95.550	ug/l	99
52) Toluene	8.79	92	116415	19.010	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	66437	18.282	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	71701	18.837	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	49027	18.277	ug/l	96
56) Ethyl methacrylate	9.18	69	69615	17.940	ug/l	97
57) 1,3-Dichloropropane	9.37	76	80235	17.972	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	166823	82.308	ug/l	98
59) 2-Hexanone	9.50	43	322159	90.025	ug/l	94
60) Dibromochloromethane	9.59	129	49313	18.382	ug/l	98
61) 1,2-Dibromoethane	9.67	107	50197	17.474	ug/l	96
64) Tetrachloroethene	9.34	164	49397	17.273	ug/l	96
65) Chlorobenzene	10.14	112	130876	17.565	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	47409	18.099	ug/l	100
67) Ethyl Benzene	10.25	91	215575	18.224	ug/l	94
68) m/p-Xylenes	10.36	106	169517	36.671	ug/l	95
69) o-Xylene	10.70	106	79809	18.797	ug/l	99
70) Styrene	10.71	104	135203	18.437	ug/l	99
71) Bromoform	10.86	173	39994	17.834	ug/l #	97
73) Isopropylbenzene	11.02	105	222321	21.386	ug/l	100
74) N-amyl acetate	10.90	43	100552	18.731	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	79274	18.734	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	91024	24.624	ug/l	84
77) Bromobenzene	11.26	156	61118	20.242	ug/l	98
78) n-propylbenzene	11.36	91	259638	21.768	ug/l	99
79) 2-Chlorotoluene	11.42	91	152811	20.554	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	191571	19.988	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21332	17.101	ug/l	93
82) 4-Chlorotoluene	11.51	91	182275	20.829	ug/l	100
83) tert-Butylbenzene	11.77	119	185589	21.684	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	197344	19.966	ug/l	99
85) sec-Butylbenzene	11.94	105	230286	22.090	ug/l	100
86) p-Isopropyltoluene	12.07	119	207300	21.948	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	114343	20.280	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	116188	19.963	ug/l	99
89) n-Butylbenzene	12.39	91	179481	20.923	ug/l	100
90) Hexachloroethane	12.60	117	32720	20.806	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	112970	19.173	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18067	19.445	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

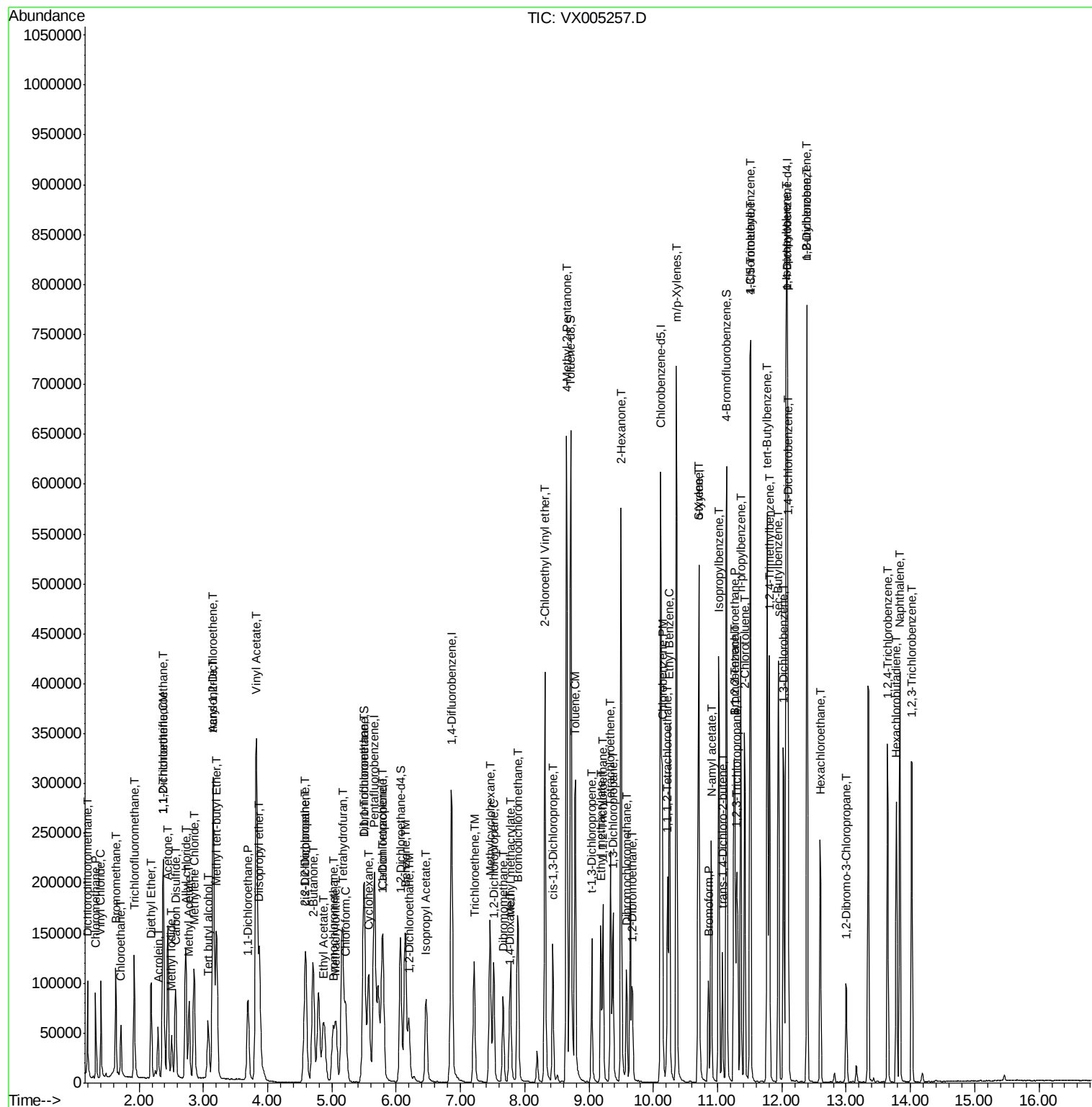
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	85392	20.660	ug/l	99
94) Hexachlorobutadiene	13.79	225	45559	21.256	ug/l	99
95) Naphthalene	13.83	128	247426	18.496	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	86956	20.366	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

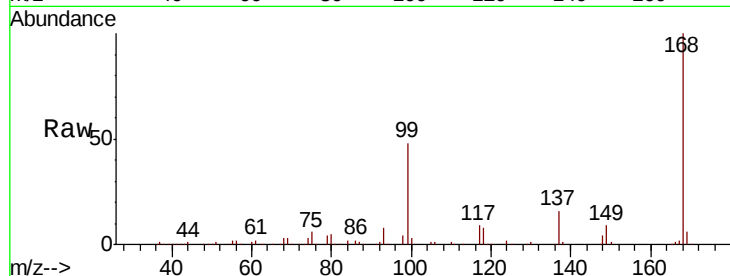
VX1011WBS01

Tot Ion:168 Resp: 225016

Ion Ratio Lower Upper

168 100

99 48.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

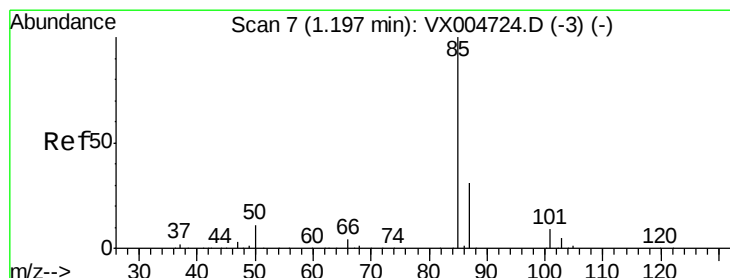
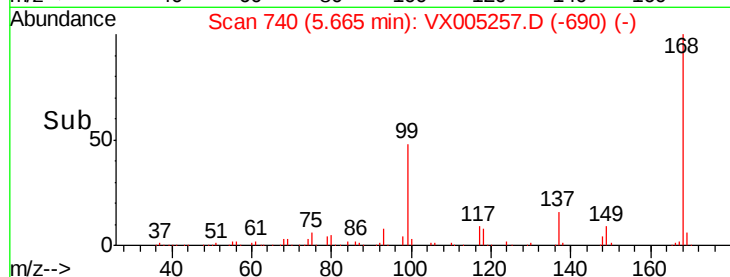
20000

0

Time-->

5.60

5.80



#2

Dichlorodifluoromethane

Concen: 18.735 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005257.D

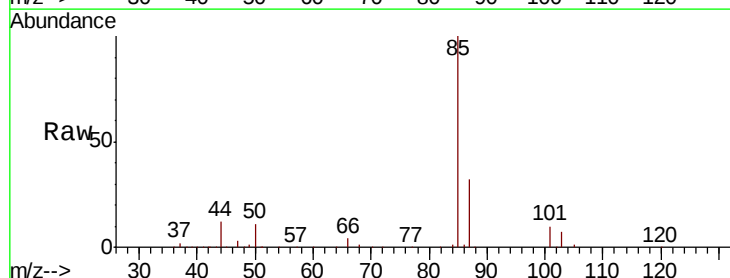
Acq: 11 Oct 2018 16:46

Tgt Ion: 85 Resp: 57479

Ion Ratio Lower Upper

85 100

87 32.4 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

20000

10000

0

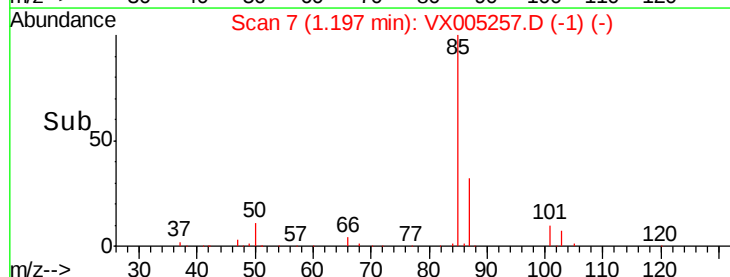
Time-->

1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 16.331 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

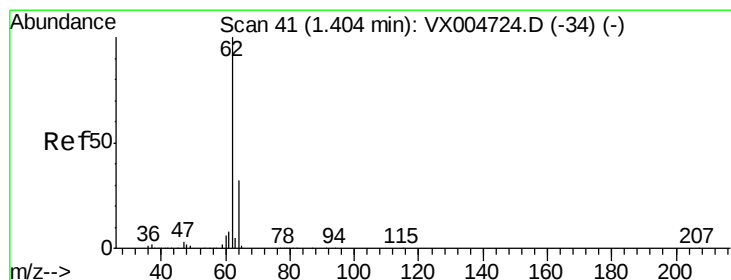
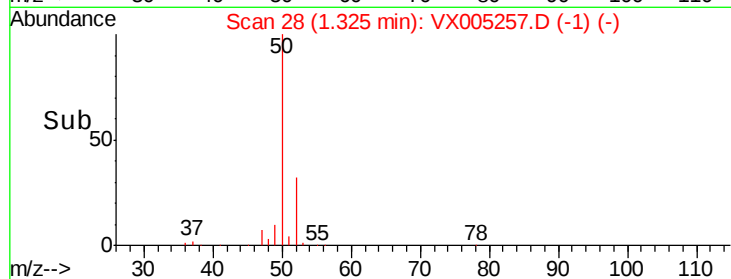
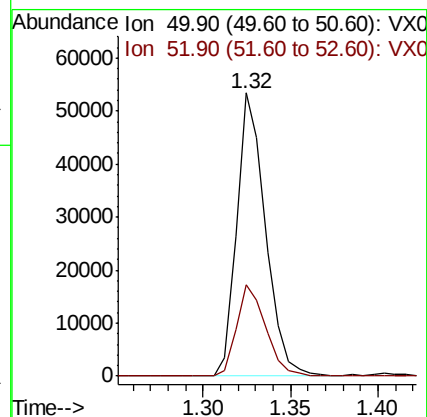
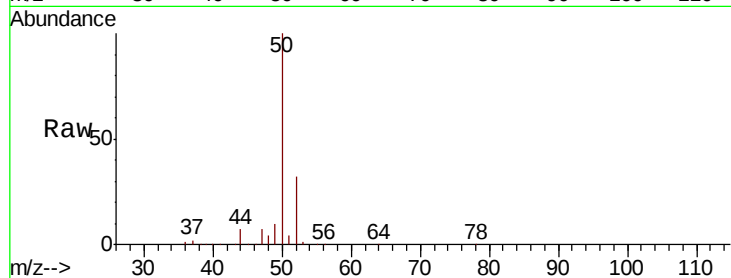
VX1011WBS01

Tot Ion: 50 Resp: 60789

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.6



#4

Vinyl Chloride

Concen: 17.589 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005257.D

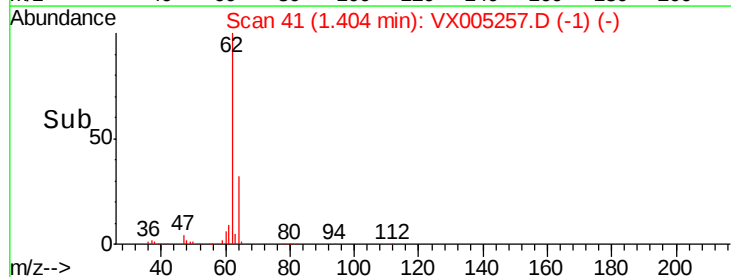
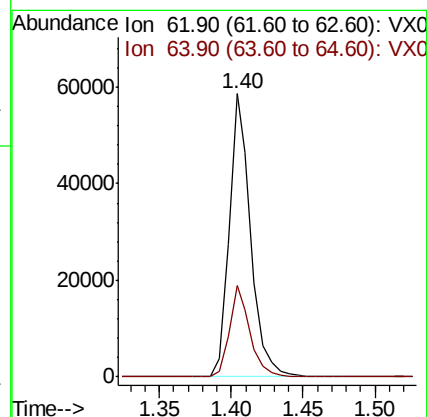
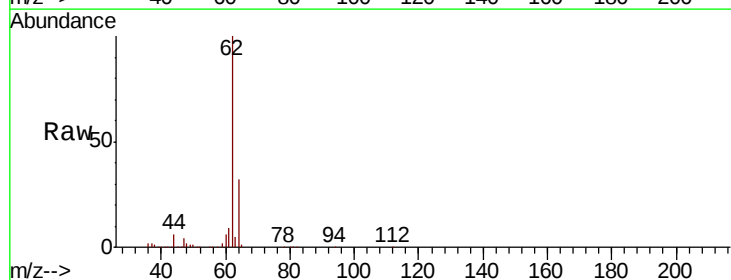
Acq: 11 Oct 2018 16:46

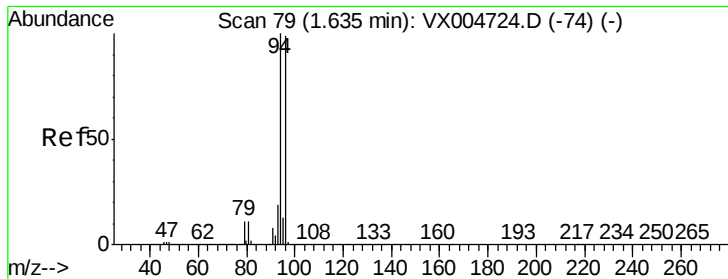
Tgt Ion: 62 Resp: 61407

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 16.049 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

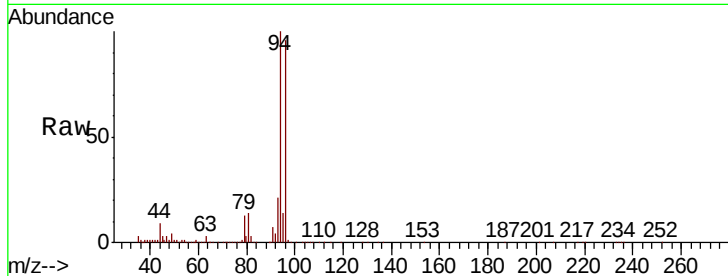
VX1011WBS01

Tot Ion: 94 Resp: 33225

Ion Ratio Lower Upper

94 100

96 95.5 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

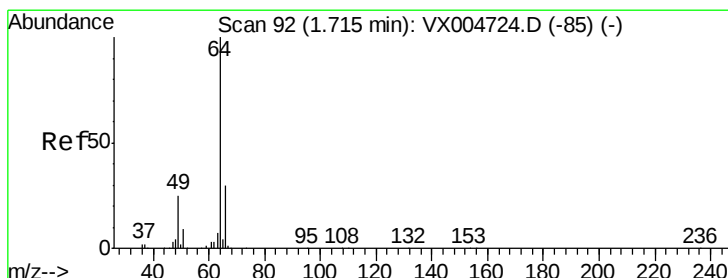
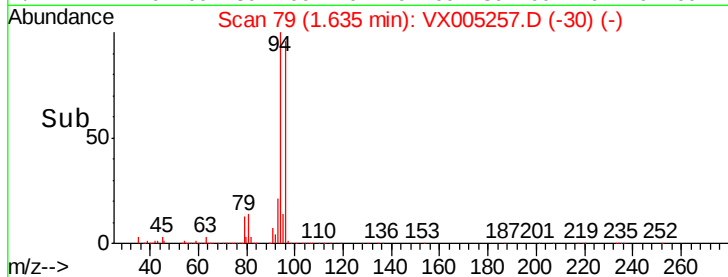
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10000

0

1.60 1.70

Time-->



#6

Chloroethane

Concen: 19.410 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005257.D

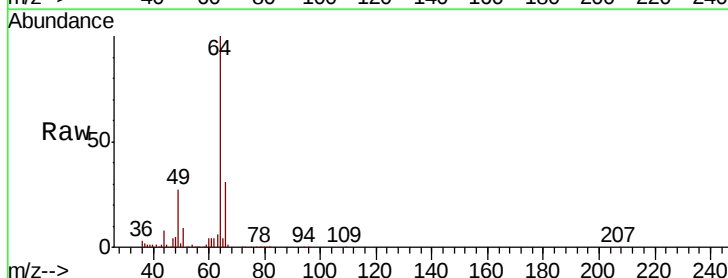
Acq: 11 Oct 2018 16:46

Tgt Ion: 64 Resp: 39638

Ion Ratio Lower Upper

64 100

66 30.8 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

30000

25000

20000

15000

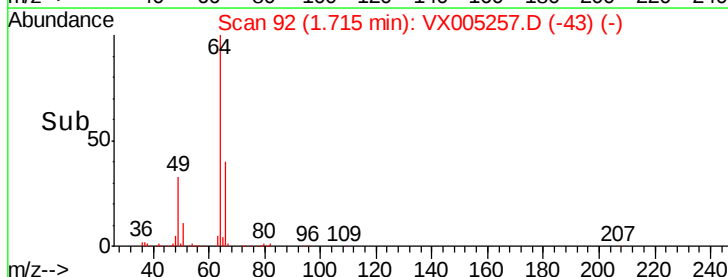
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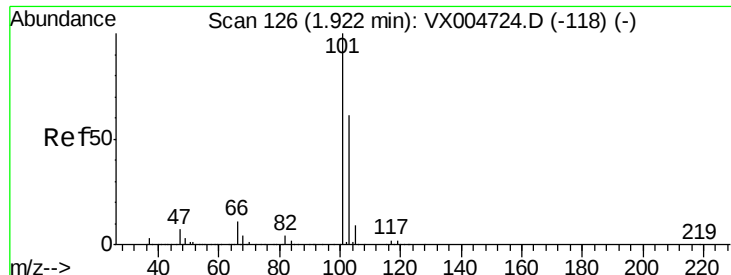
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0

1.60 1.70 1.80

Time-->



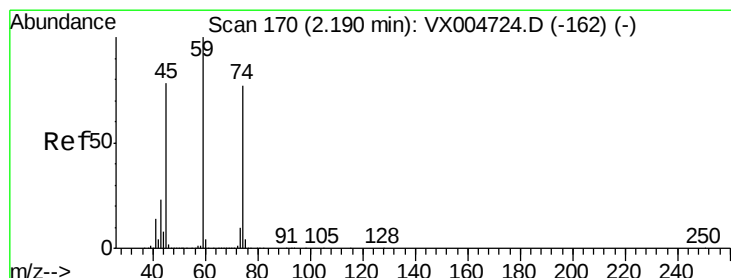
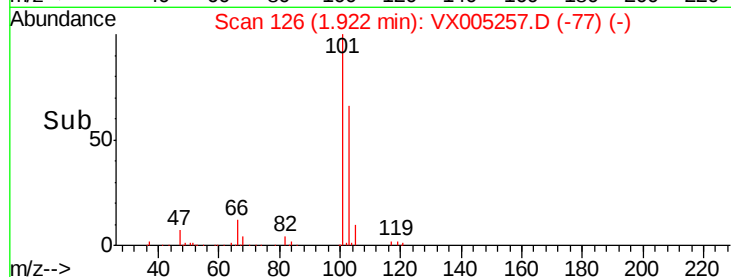
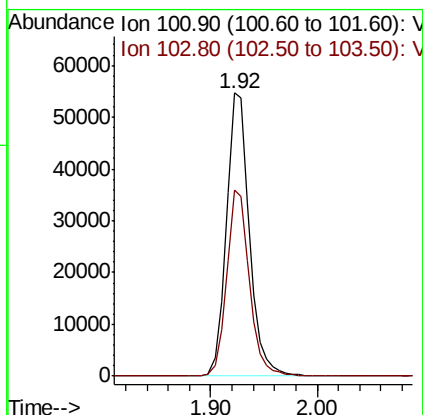
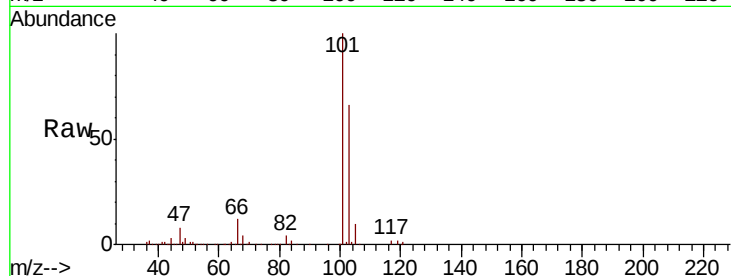


#7

Trichlorofluoromethane
 Concen: 19.135 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

Instrument :
 MSVOA_X
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 VX1011WBS01

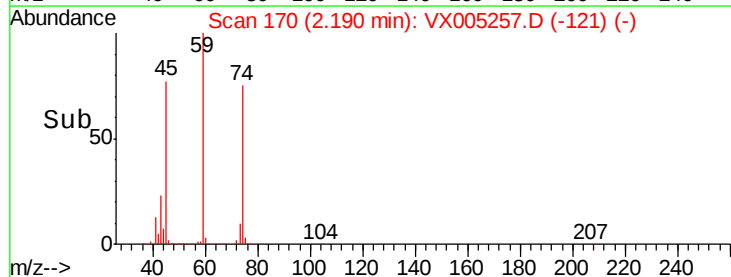
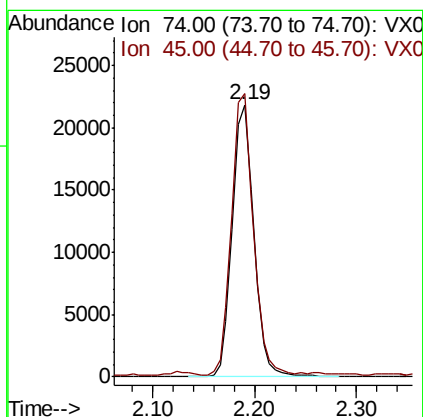
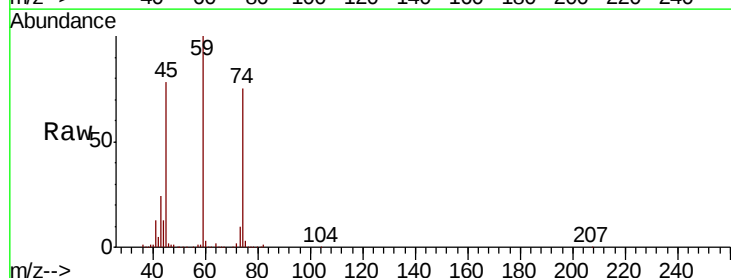
Tot Ion:101 Resp: 82699
 Ion Ratio Lower Upper
 101 100
 103 65.6 48.4 72.6

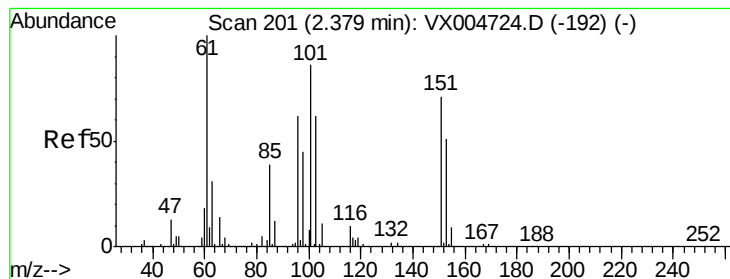


#8

Diethyl Ether
 Concen: 17.046 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

Tgt Ion: 74 Resp: 32005
 Ion Ratio Lower Upper
 74 100
 45 103.6 52.5 157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.166 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

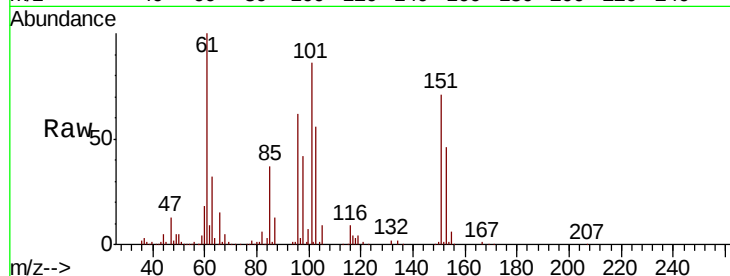
Tot Ion:101 Resp: 47185

Ion Ratio Lower Upper

101 100

85 43.5 35.9 53.9

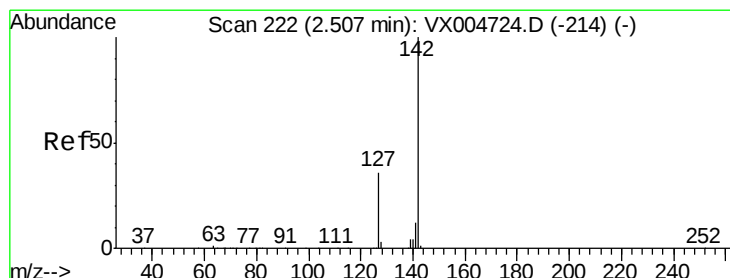
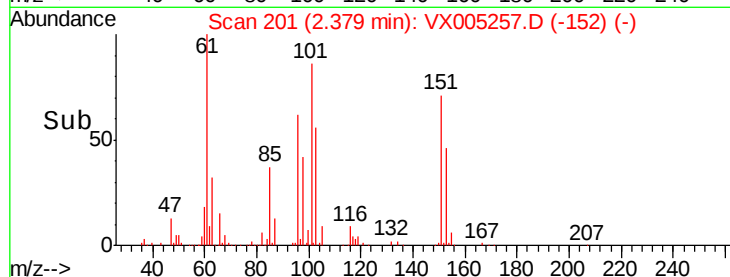
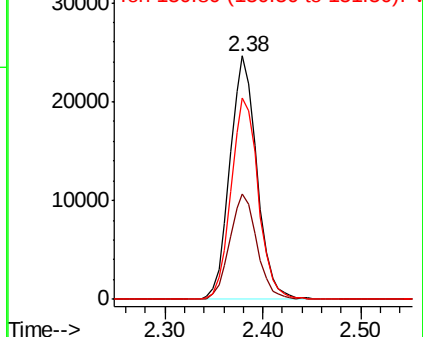
151 83.4 66.6 100.0



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: 12.563 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

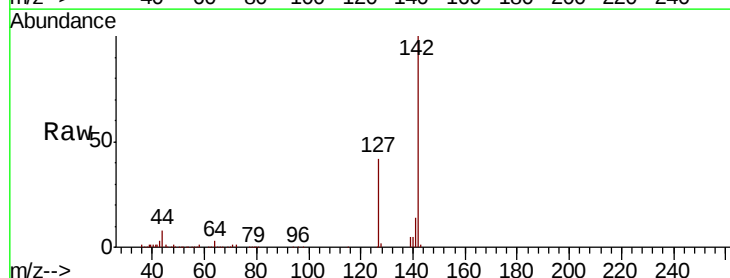
Tgt Ion:142 Resp: 41389

Ion Ratio Lower Upper

142 100

127 43.4 30.1 45.1

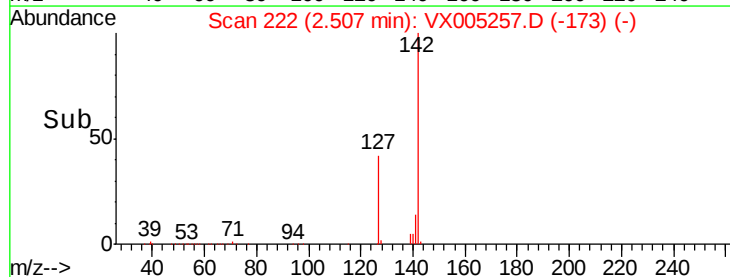
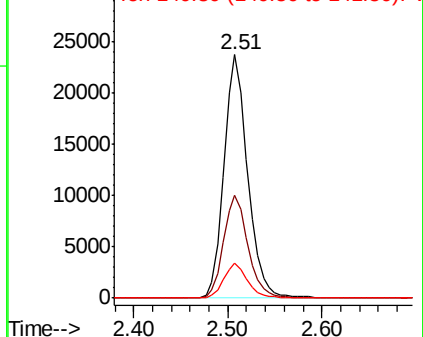
141 14.5 10.1 15.1

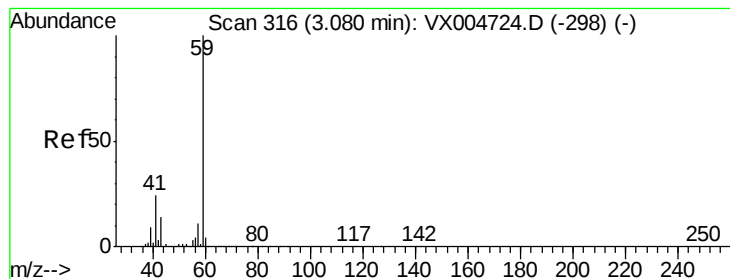


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



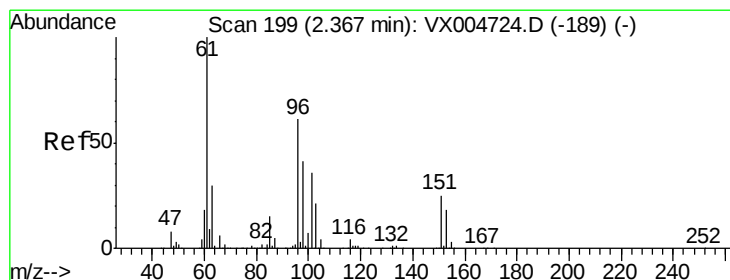
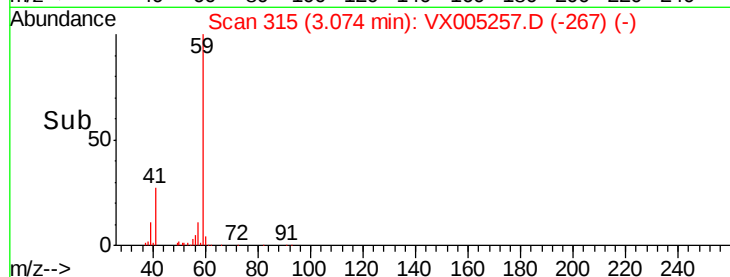
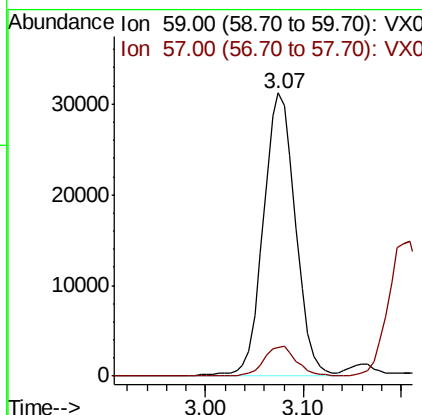
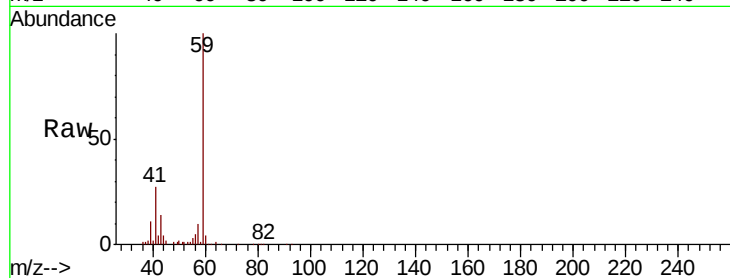


#11

Tert butyl alcohol
Concen: 80.134 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

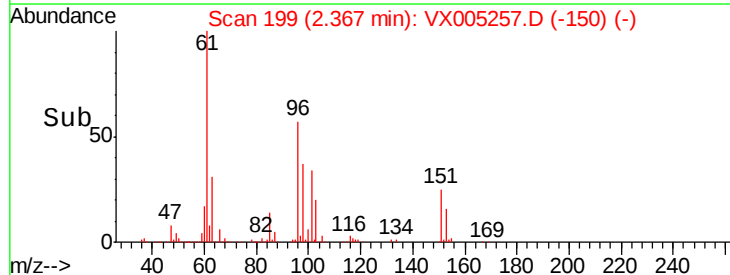
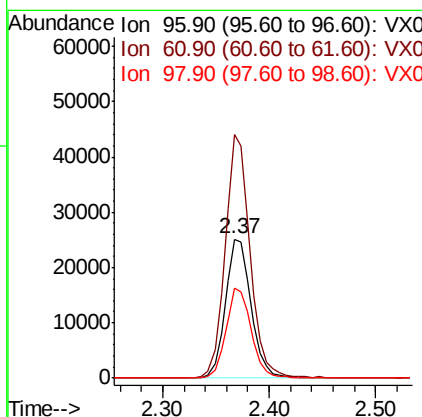
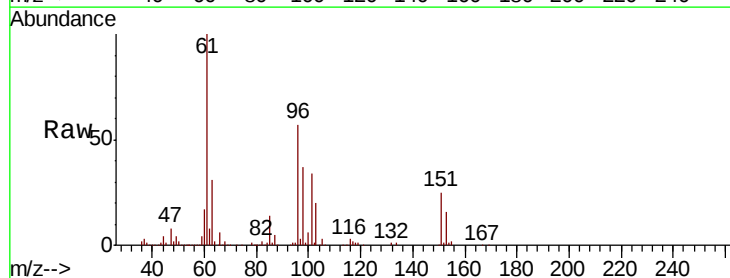
Tot Ion: 59 Resp: 72022
Ion Ratio Lower Upper
59 100
57 10.6 8.6 12.8



#12

1,1-Dichloroethene
Concen: 17.344 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion: 96 Resp: 42286
Ion Ratio Lower Upper
96 100
61 175.5 130.2 195.4
98 64.7 53.4 80.0





#13

Acrolein

Concen: 58.267 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

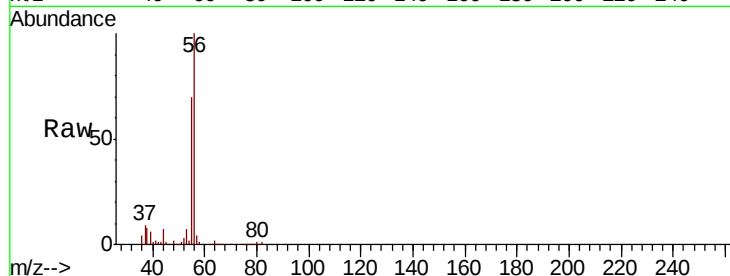
VX1011WBS01

Tot Ion: 56 Resp: 37260

Ion Ratio Lower Upper

56 100

55 69.8 63.4 95.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

15000

10000

5000

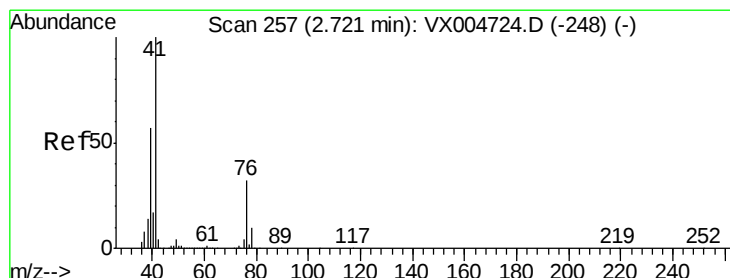
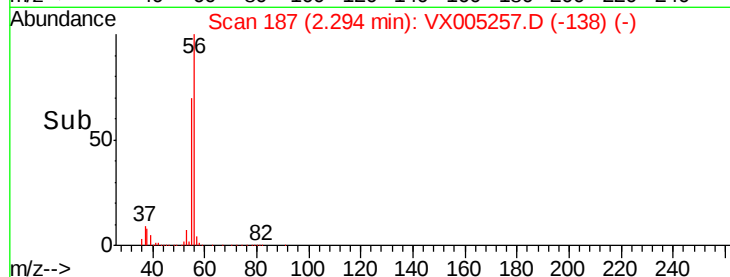
0

2.29

2.30

2.40

Time-->



#14

Allyl chloride

Concen: 17.573 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

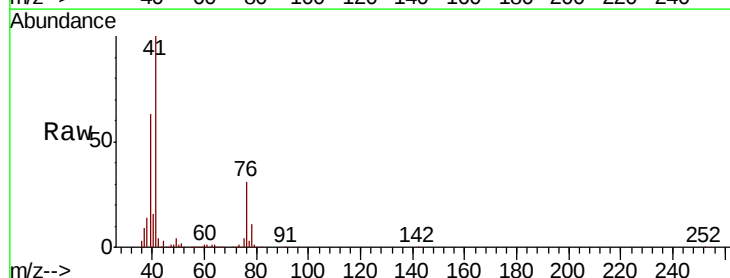
Tgt Ion: 41 Resp: 93484

Ion Ratio Lower Upper

41 100

39 59.7 44.1 66.1

76 29.2 25.0 37.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

60000

40000

20000

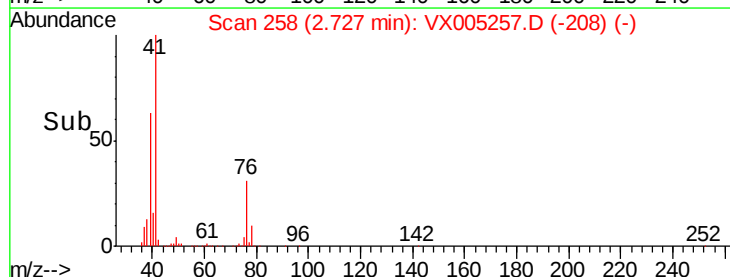
0

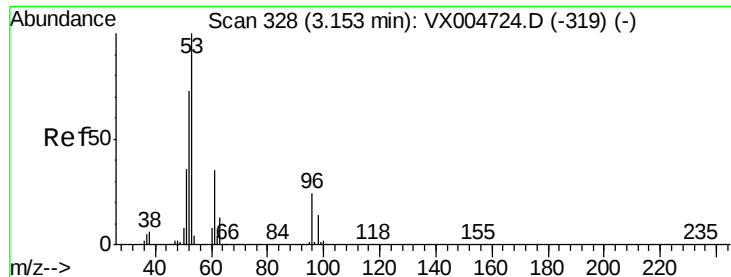
2.73

2.70

2.80

Time-->





#15

Acrylonitrile

Concen: 87.434 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampled :

VX1011WBS01

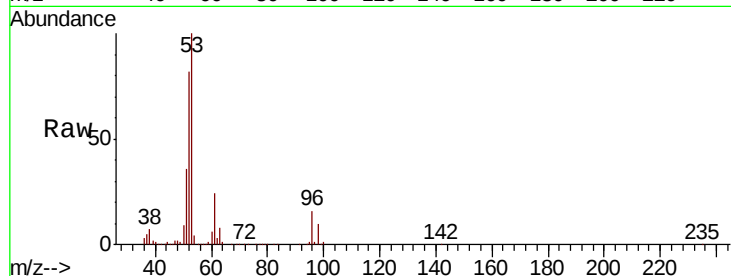
Tot Ion: 53 Resp: 172990

Ion Ratio Lower Upper

53 100

52 82.0 63.0 94.4

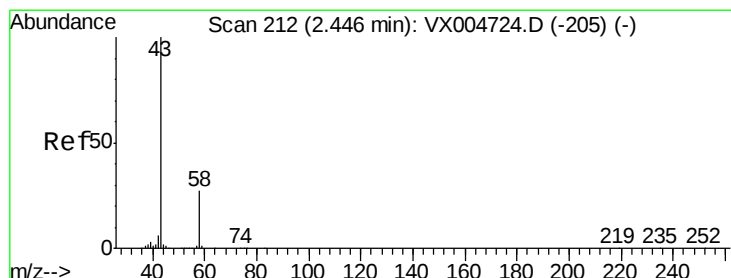
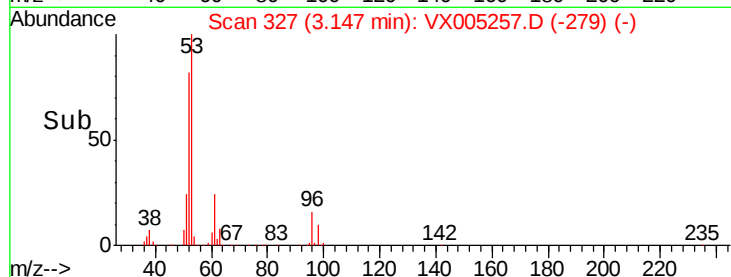
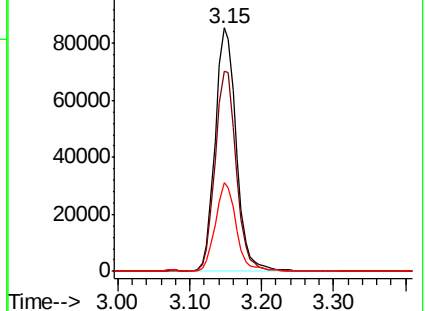
51 36.0 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 84.509 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005257.D

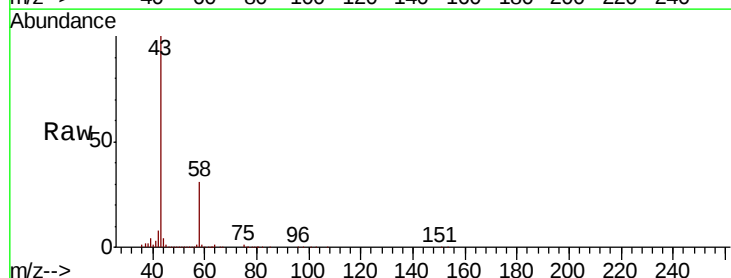
Acq: 11 Oct 2018 16:46

Tgt Ion: 43 Resp: 158590

Ion Ratio Lower Upper

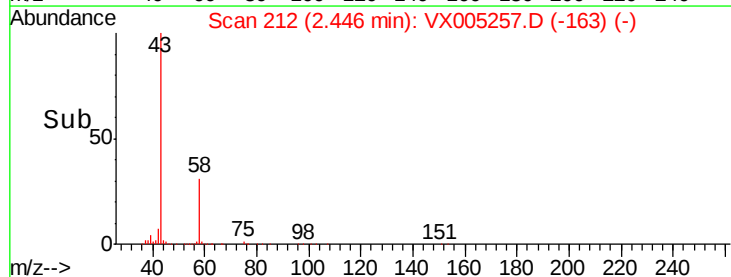
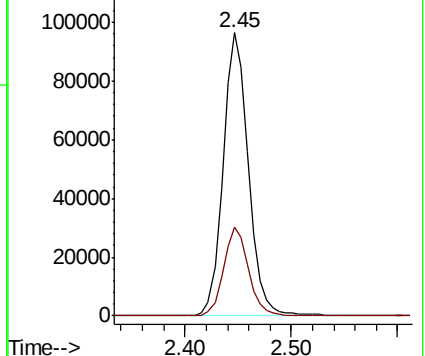
43 100

58 31.6 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 15.850 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

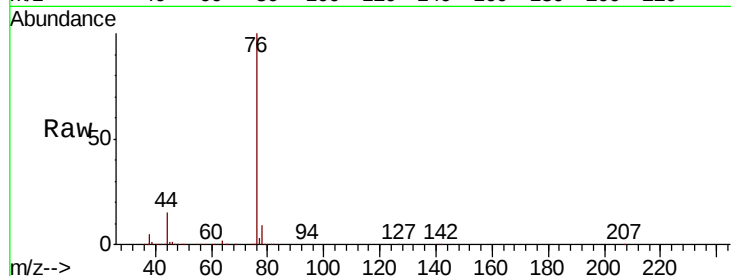
VX1011WBS01

Tot Ion: 76 Resp: 116119

Ion Ratio Lower Upper

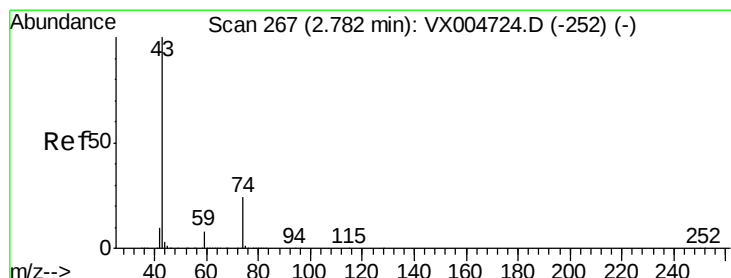
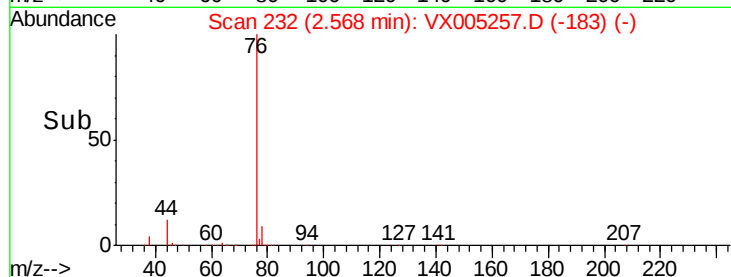
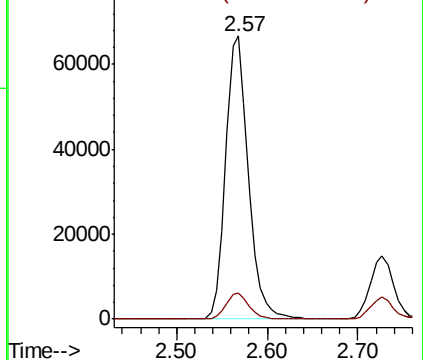
76 100

78 9.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.391 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005257.D

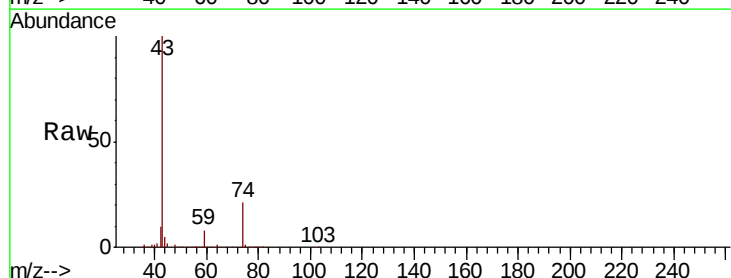
Acq: 11 Oct 2018 16:46

Tgt Ion: 43 Resp: 92198

Ion Ratio Lower Upper

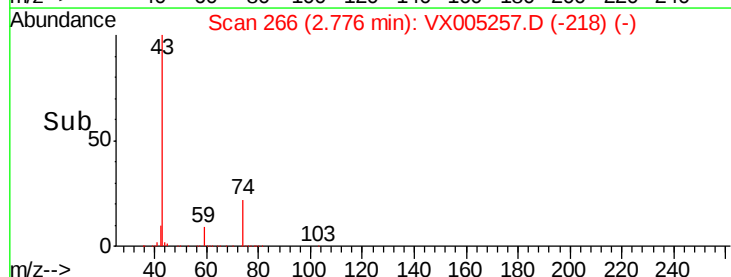
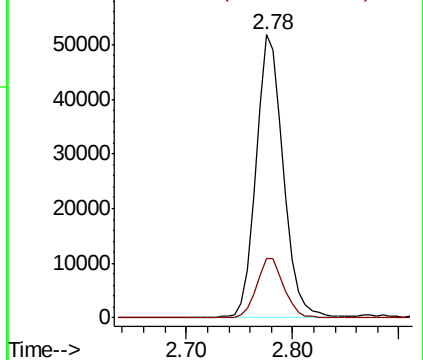
43 100

74 20.8 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

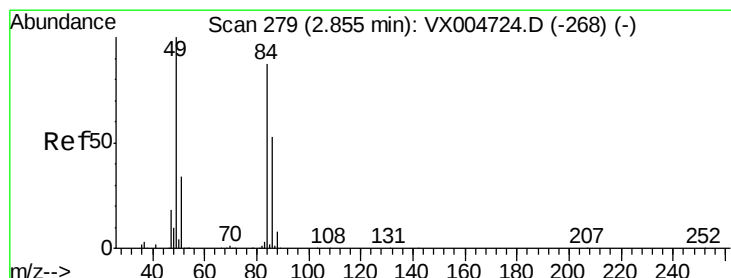
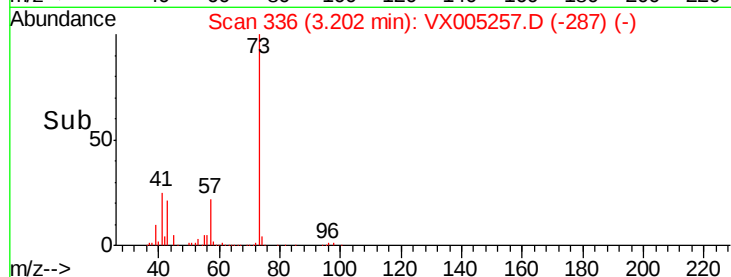
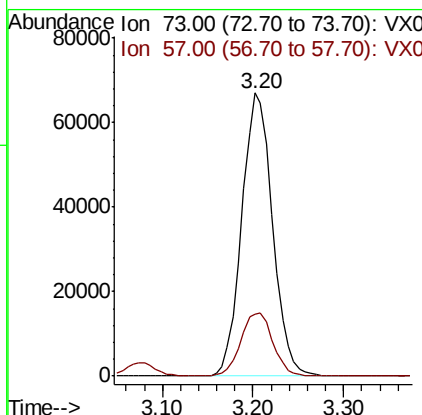
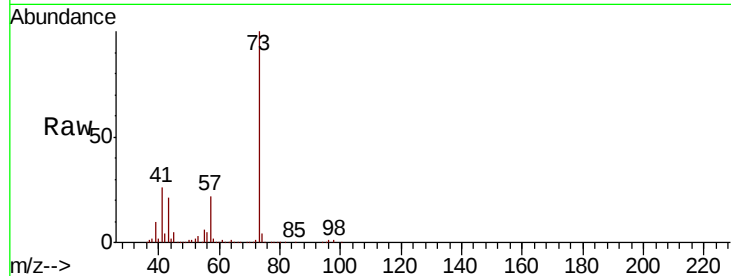




#19
Methyl tert-butyl Ether
Concen: 18.716 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

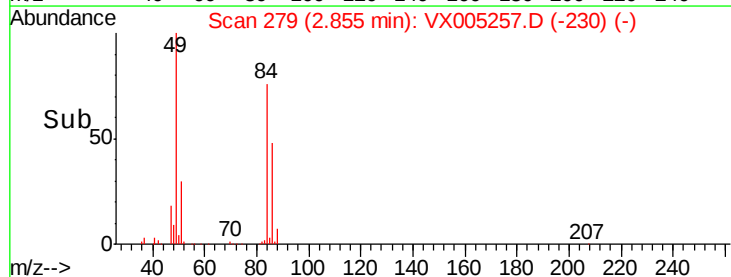
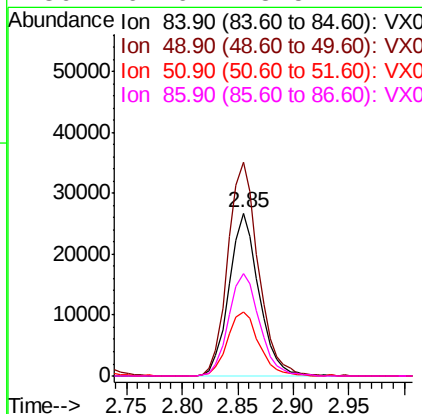
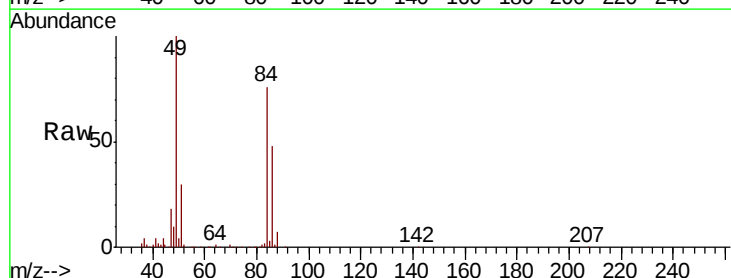
Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

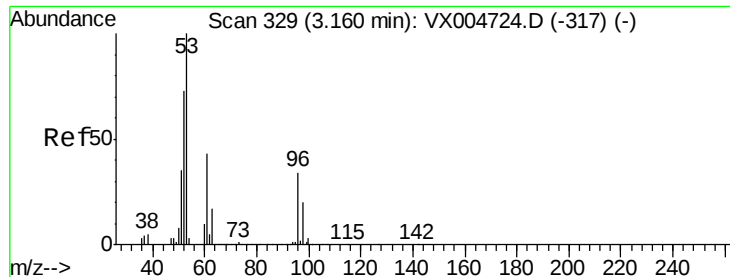
Tot Ion: 73 Resp: 157397
Ion Ratio Lower Upper
73 100
57 21.7 19.9 29.9



#20
Methylene Chloride
Concen: 17.639 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion: 84 Resp: 49611
Ion Ratio Lower Upper
84 100
49 130.9 92.3 138.5
51 39.3 31.8 47.6
86 62.6 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 17.018 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampled :

VX1011WBS01

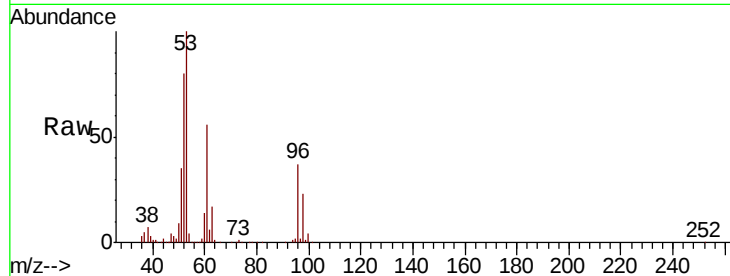
Tot Ion: 96 Resp: 45420

Ion Ratio Lower Upper

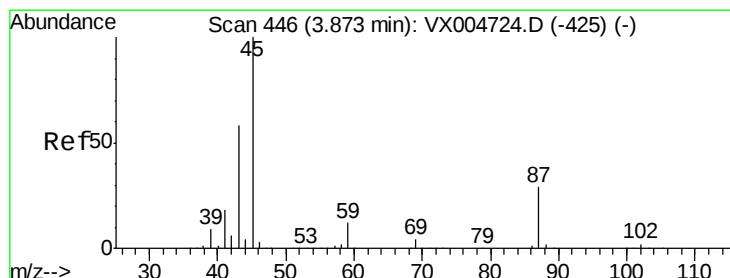
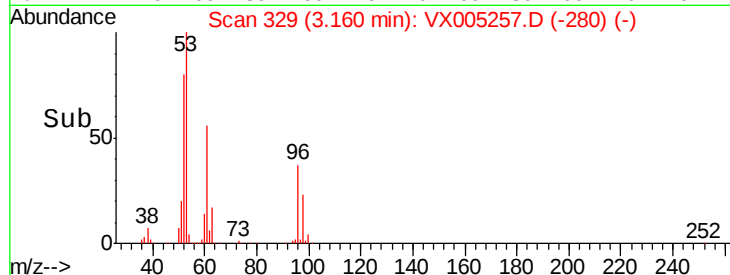
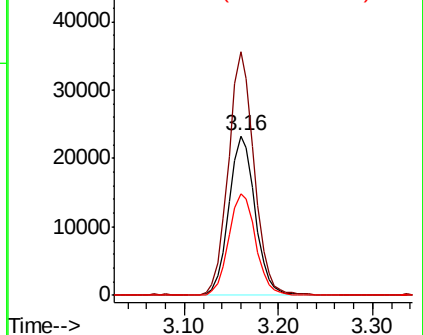
96 100

61 152.5 101.0 151.6#

98 63.5 47.2 70.8



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



#22

Diisopropyl ether

Concen: 16.946 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Tgt Ion: 45 Resp: 151804

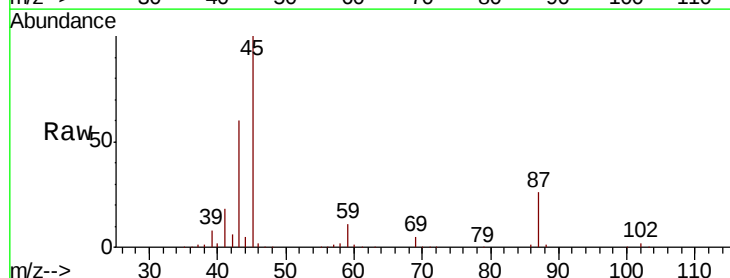
Ion Ratio Lower Upper

45 100

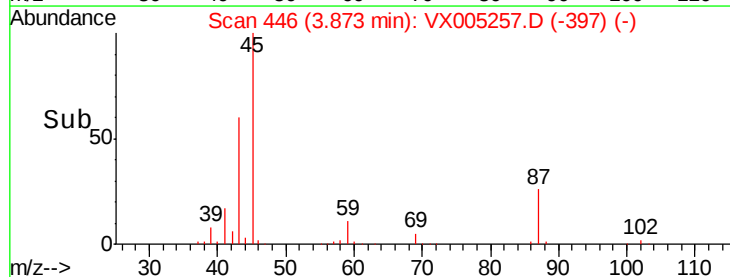
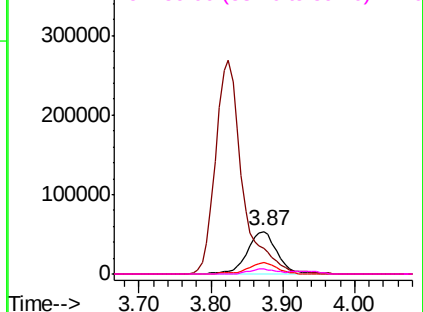
43 58.9 46.7 70.1

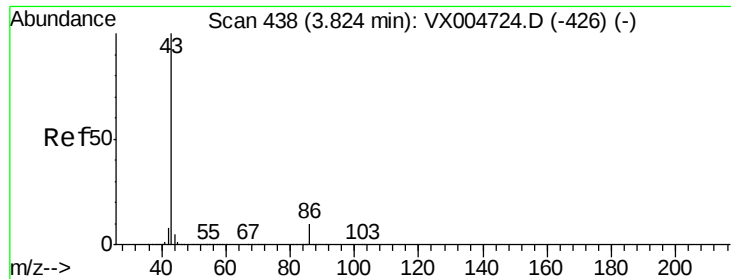
87 25.9 22.9 34.3

59 11.0 9.3 13.9



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





#23

Vinyl Acetate

Concen: 85.361 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

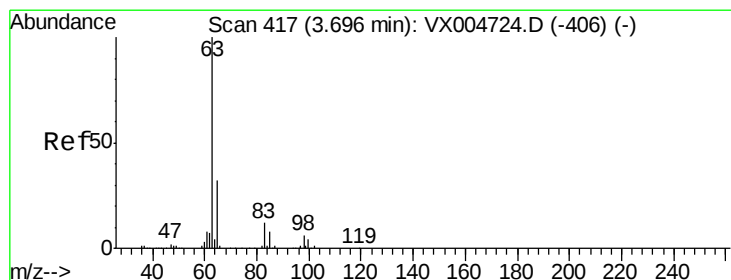
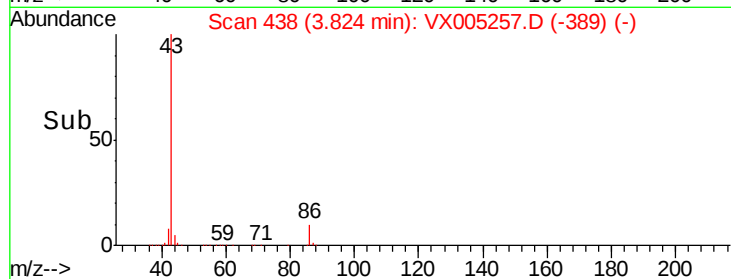
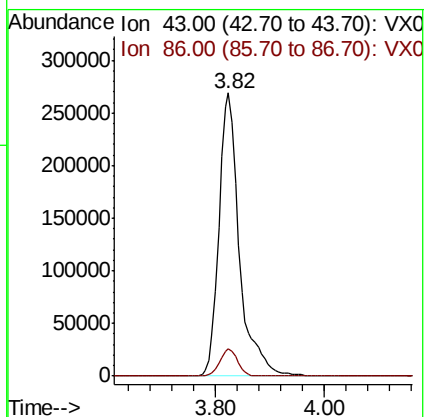
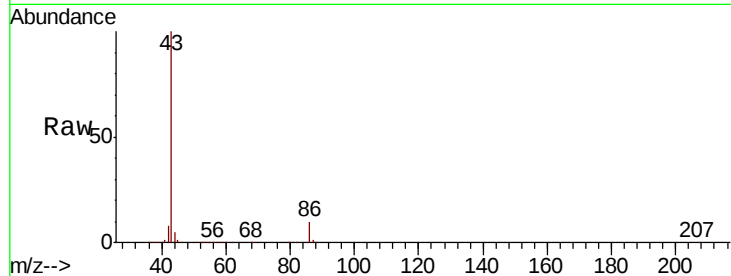
VX1011WBS01

Tot Ion: 43 Resp: 699943

Ion Ratio Lower Upper

43 100

86 9.7 8.1 12.1



#24

1,1-Dichloroethane

Concen: 17.365 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

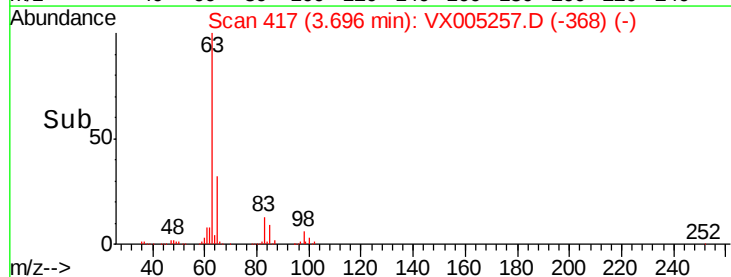
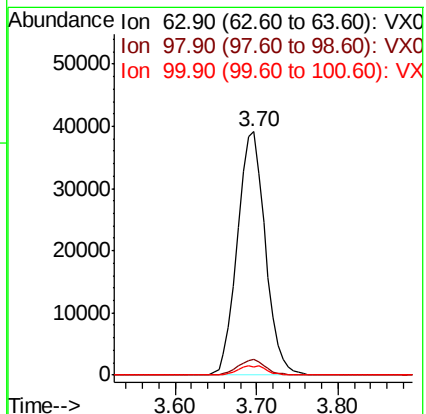
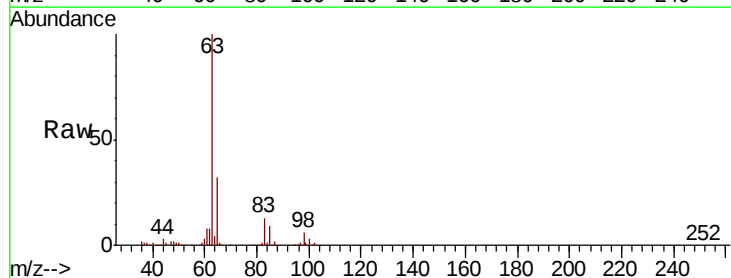
Tgt Ion: 63 Resp: 92790

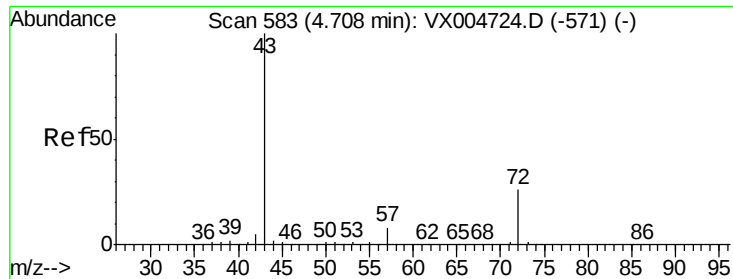
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 3.5 2.0 5.8

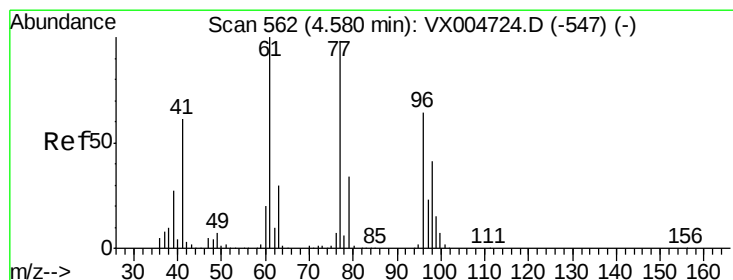
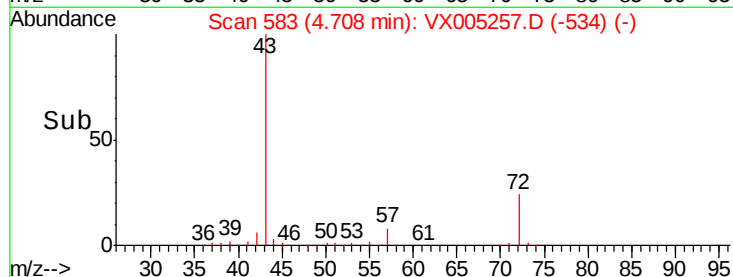
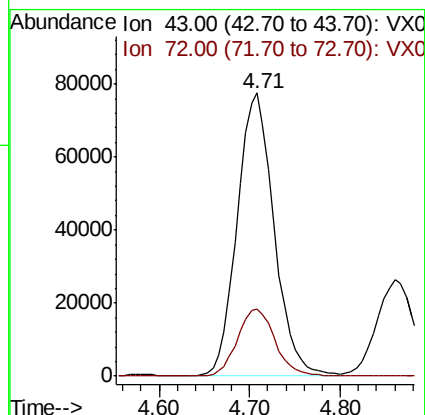
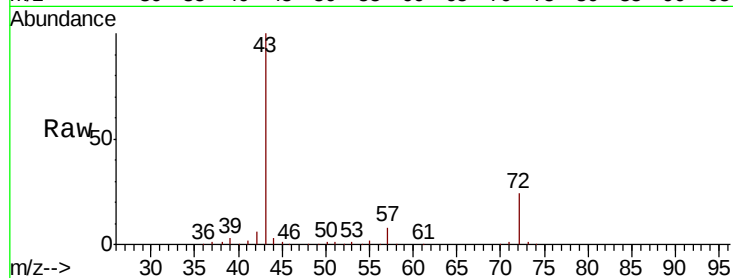




#25
2-Butanone
Concen: 78.856 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

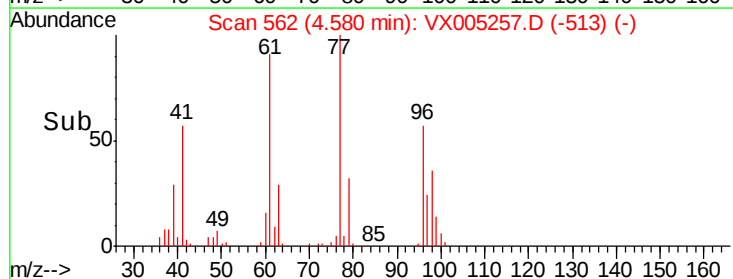
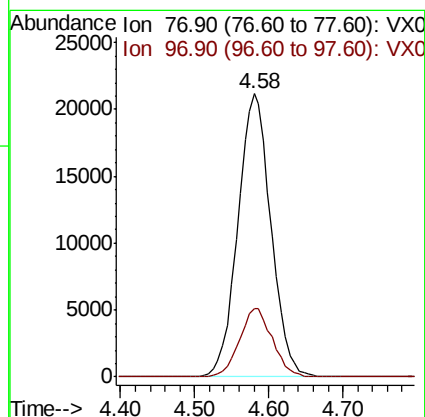
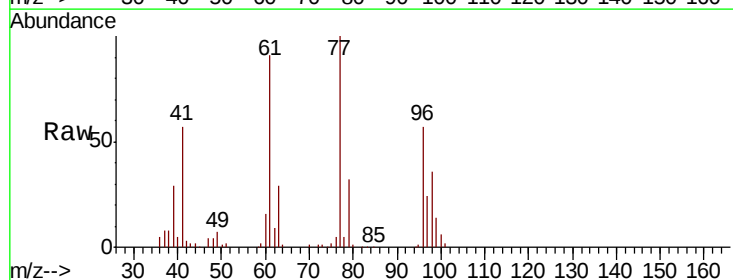
Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

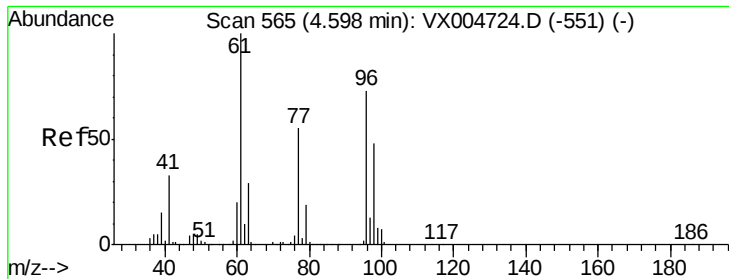
Tot Ion: 43 Resp: 218128
Ion Ratio Lower Upper
43 100
72 23.6 20.8 31.2



#26
2,2-Dichloropropane
Concen: 17.671 ug/l
RT: 4.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion: 77 Resp: 65753
Ion Ratio Lower Upper
77 100
97 23.9 12.6 37.8



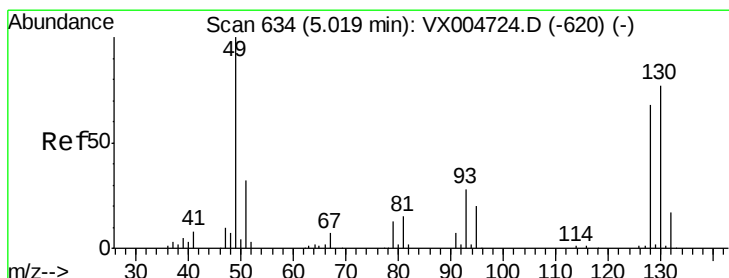
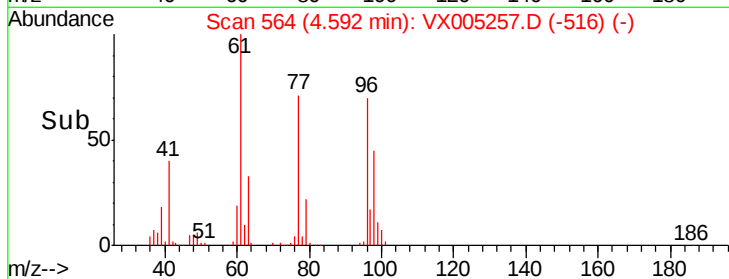
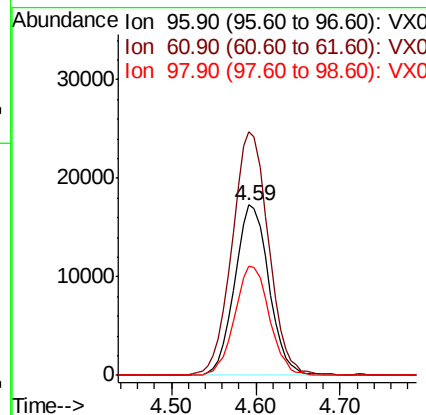
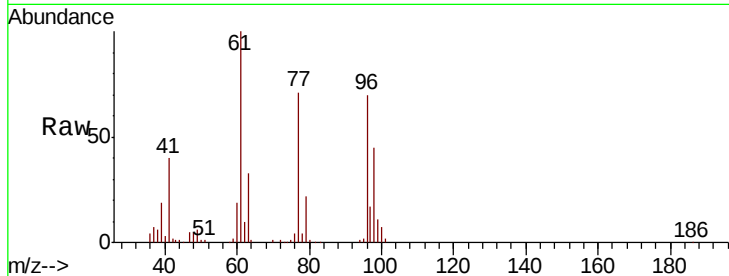


#27

cis-1,2-Dichloroethene
Concen: 15.960 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

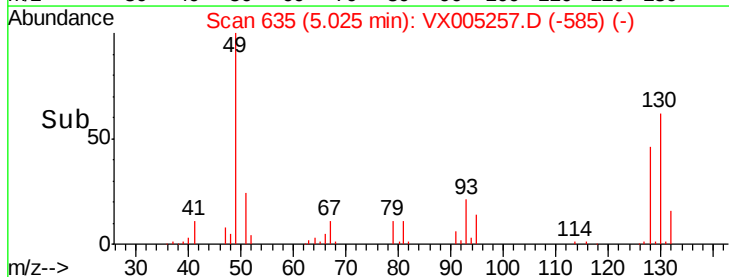
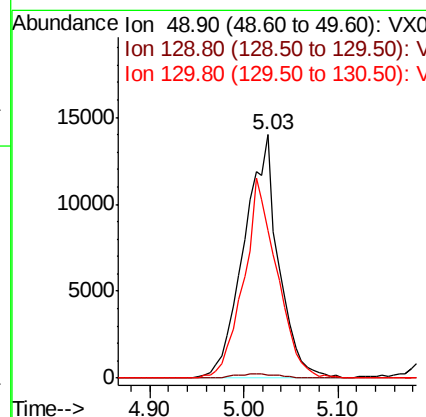
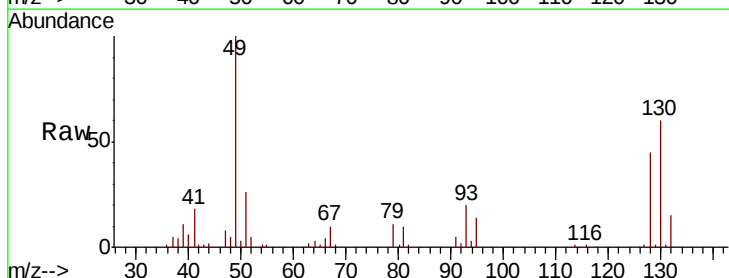
Tot Ion: 96 Resp: 47587
Ion Ratio Lower Upper
96 100
61 153.0 0.0 285.8
98 65.1 0.0 136.2



#28

Bromochloromethane
Concen: 14.226 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion: 49 Resp: 35798
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.2
130 79.0 62.0 93.0

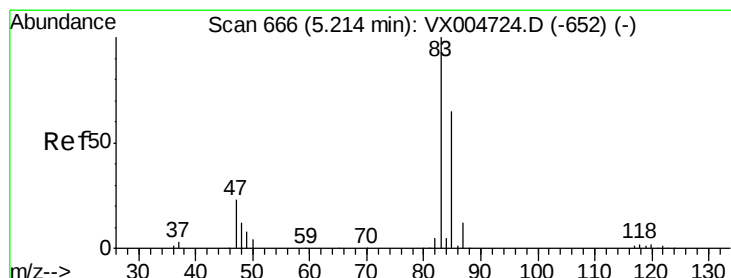
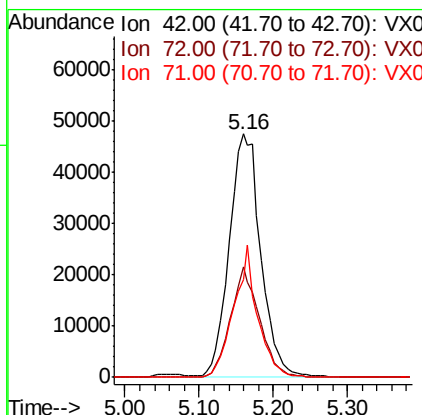
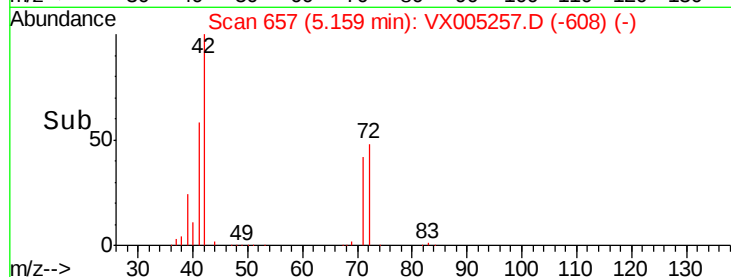
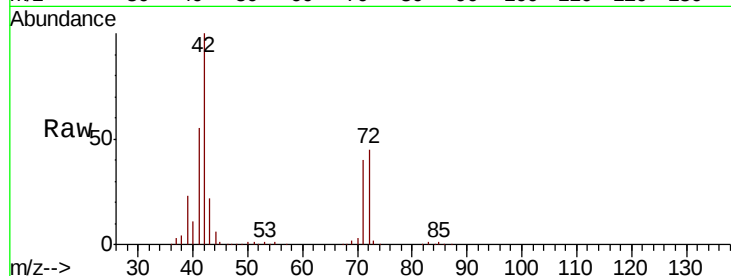




#29
Tetrahydrofuran
Concen: 81.480 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

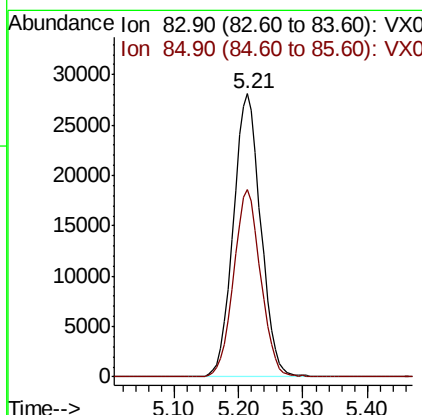
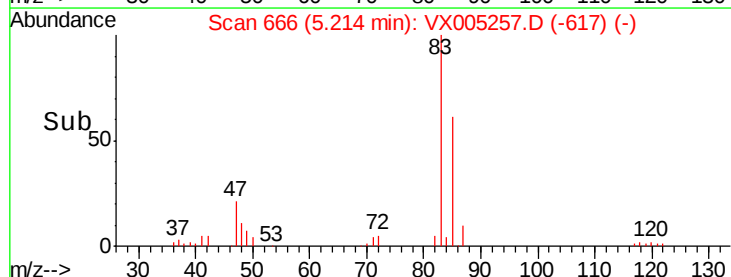
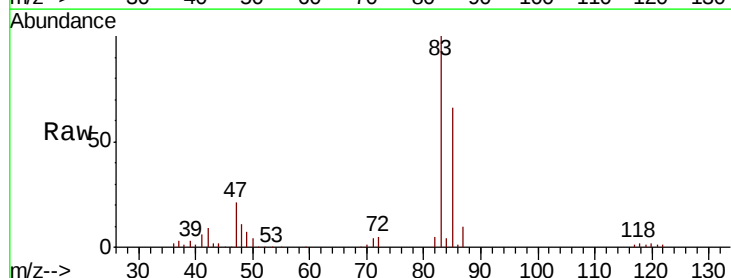
Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

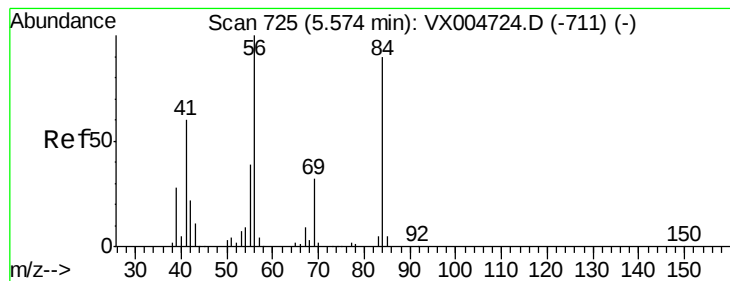
Tot Ion: 42 Resp: 140087
Ion Ratio Lower Upper
42 100
72 42.2 33.7 50.5
71 41.2 32.2 48.4



#30
Chloroform
Concen: 16.436 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion: 83 Resp: 83005
Ion Ratio Lower Upper
83 100
85 66.2 52.4 78.6





#31

Cyclohexane

Concen: 17.191 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

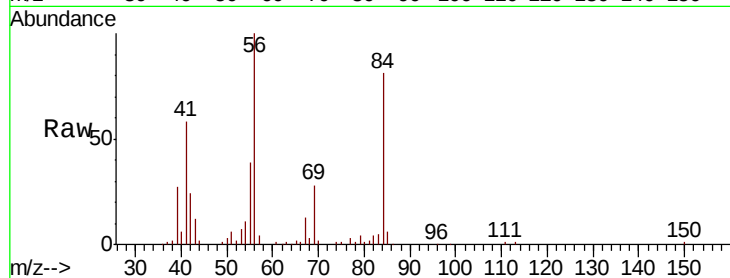
Tot Ion: 56 Resp: 70307

Ion Ratio Lower Upper

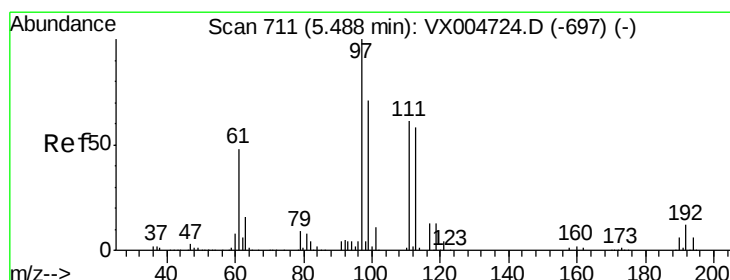
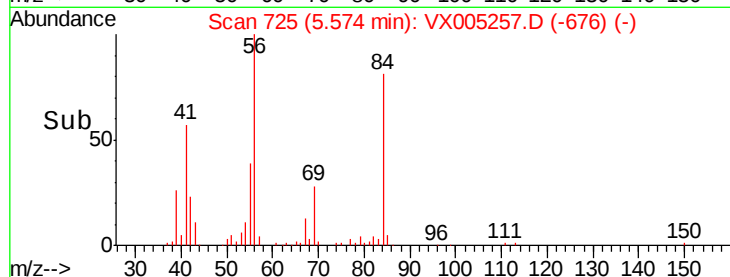
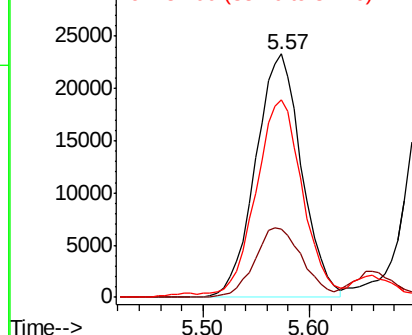
56 100

69 28.1 25.9 38.9

84 79.6 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 17.444 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

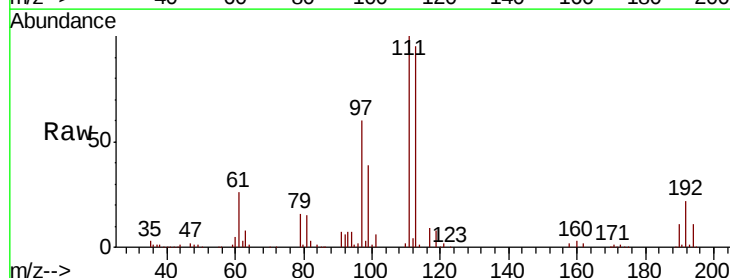
Tgt Ion: 97 Resp: 71946

Ion Ratio Lower Upper

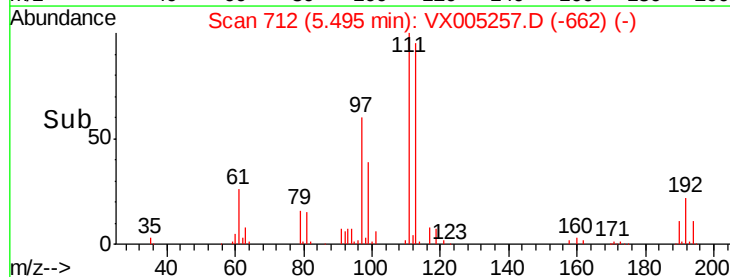
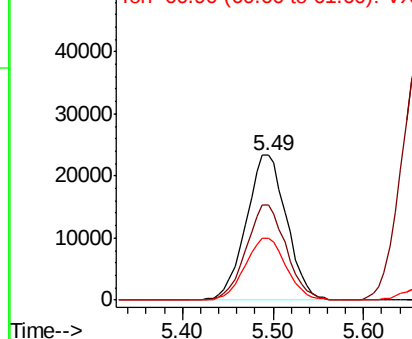
97 100

99 64.5 54.6 82.0

61 43.7 37.5 56.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 43.037 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

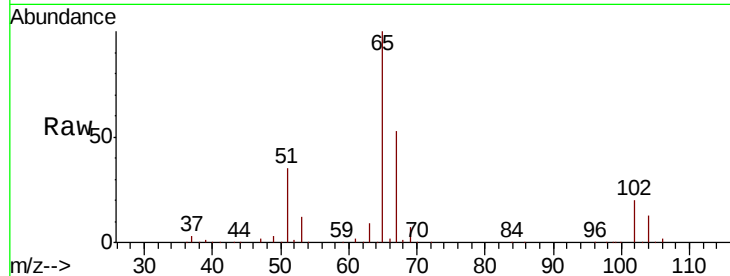
VX1011WBS01

Tot Ion: 65 Resp: 138335

Ion Ratio Lower Upper

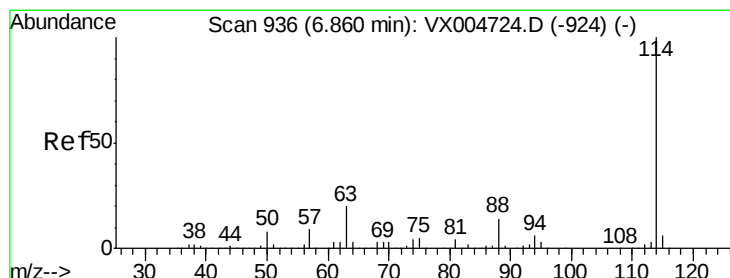
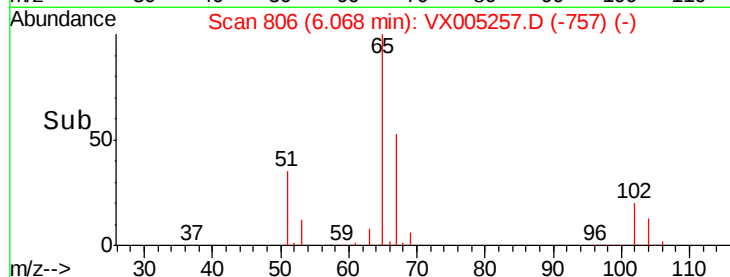
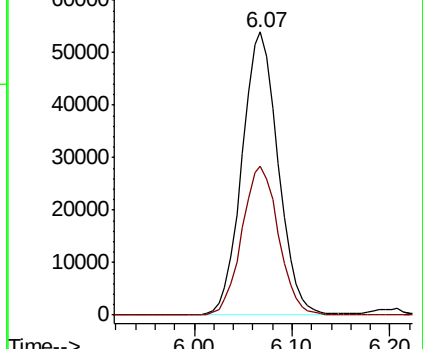
65 100

67 53.5 0.0 107.4



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: VX005257.D

Acq: 11 Oct 2018 16:46

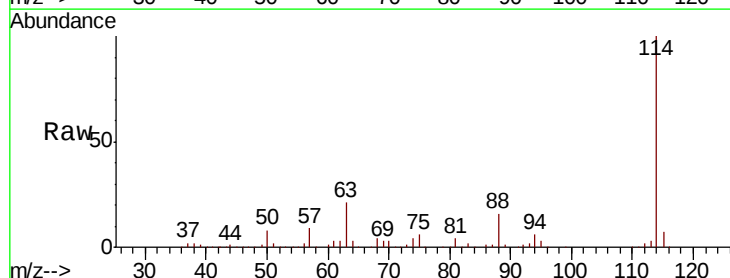
Tgt Ion: 114 Resp: 307854

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.8

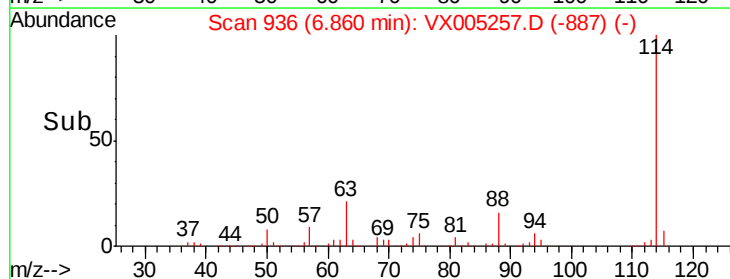
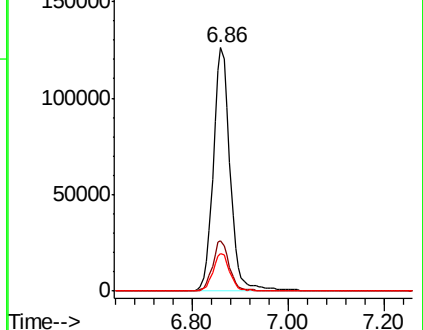
88 15.6 0.0 27.0



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: 43.572 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

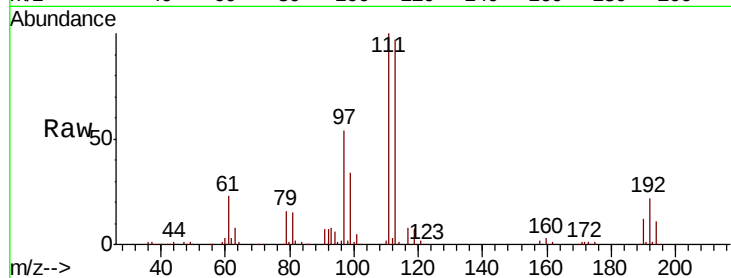
Tot Ion:113 Resp: 113683

Ion Ratio Lower Upper

113 100

111 102.8 77.0 115.4

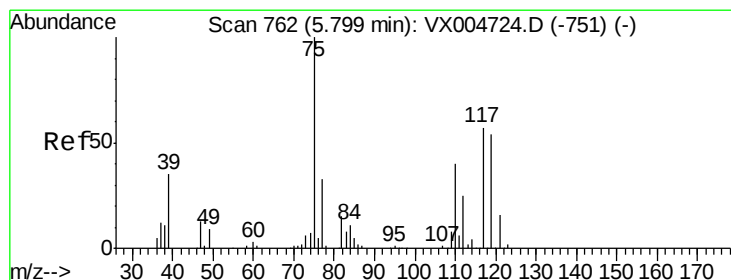
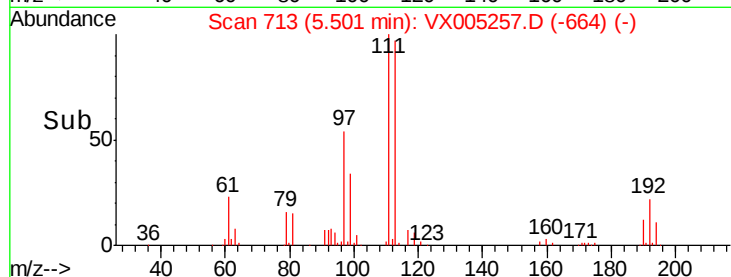
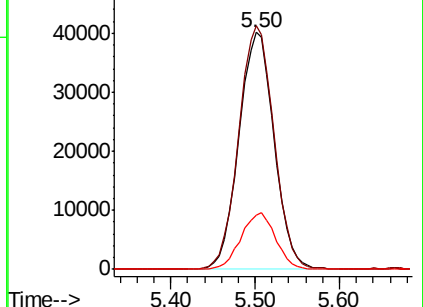
192 23.5 17.0 25.6



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: 17.093 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

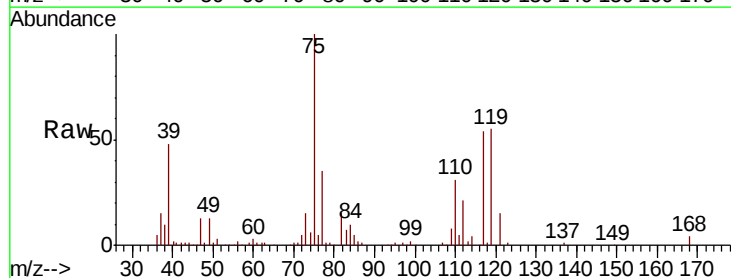
Tgt Ion: 75 Resp: 60847

Ion Ratio Lower Upper

75 100

110 37.5 20.0 59.9

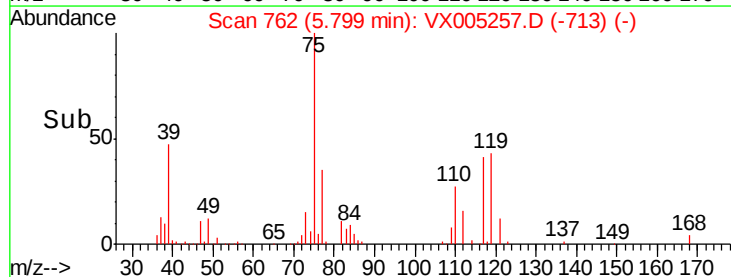
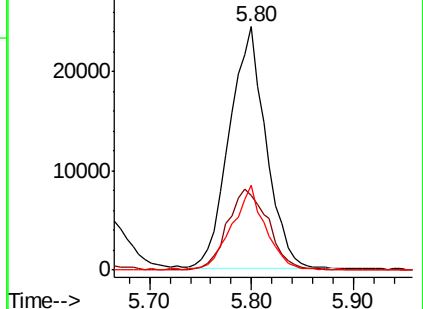
77 31.5 27.1 40.7

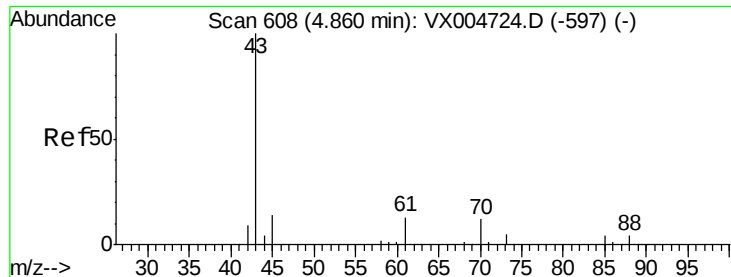


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

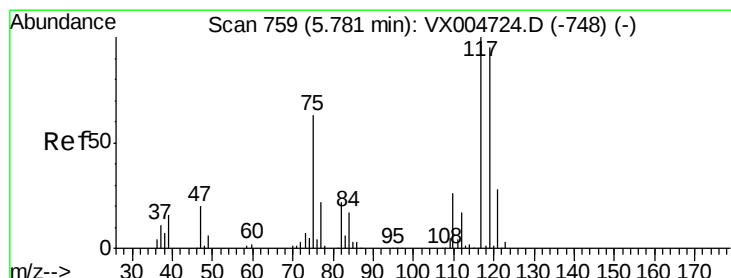
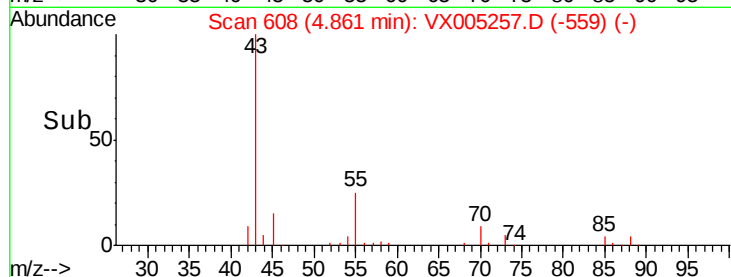
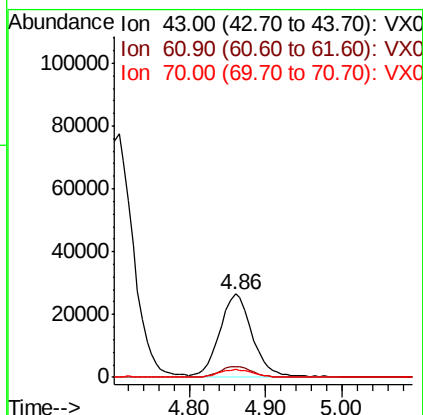
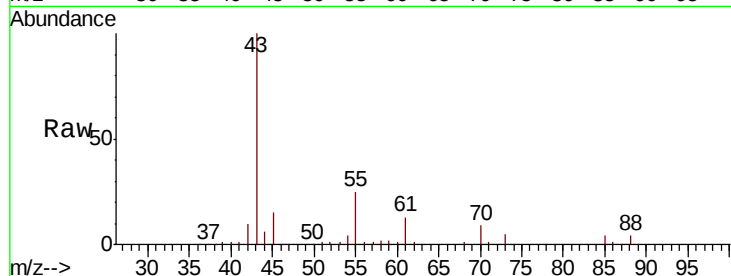




#37
Ethyl Acetate
Concen: 16.426 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

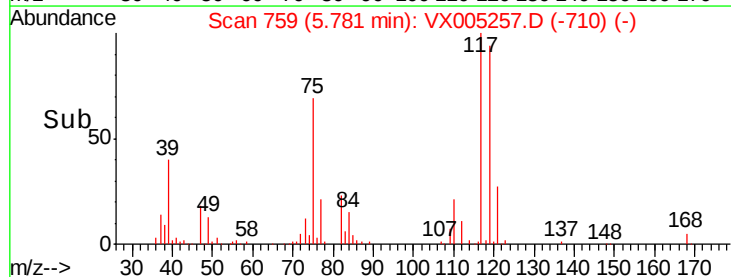
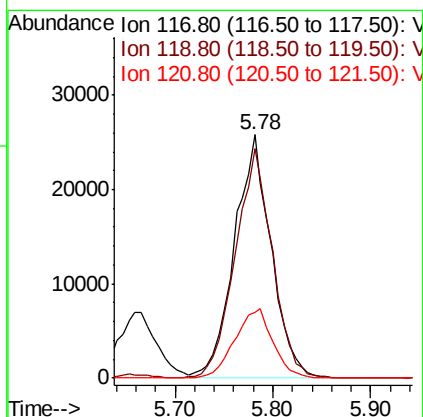
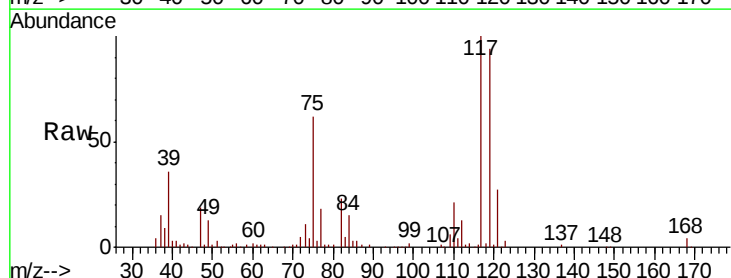
Instrument :
MSVOA_X
ClientSampled :
VX1011WBS01

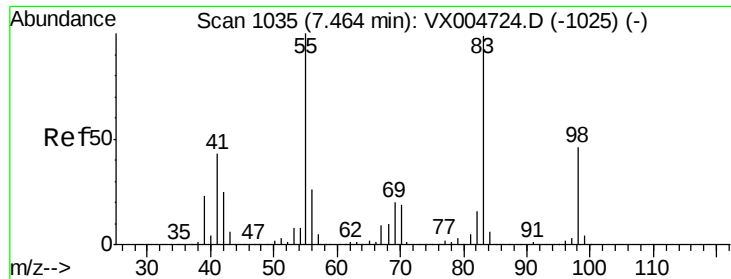
Tot Ion: 43 Resp: 77618
Ion Ratio Lower Upper
43 100
61 13.5 10.4 15.6
70 10.0 8.7 13.1



#38
Carbon Tetrachloride
Concen: 18.020 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion: 117 Resp: 67429
Ion Ratio Lower Upper
117 100
119 93.9 75.2 112.8
121 27.2 22.5 33.7

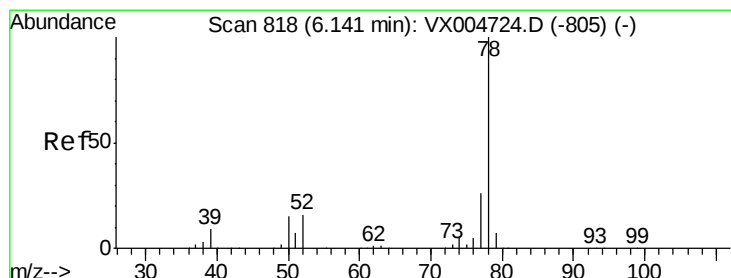
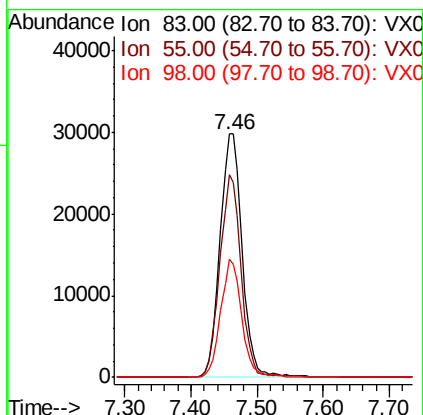
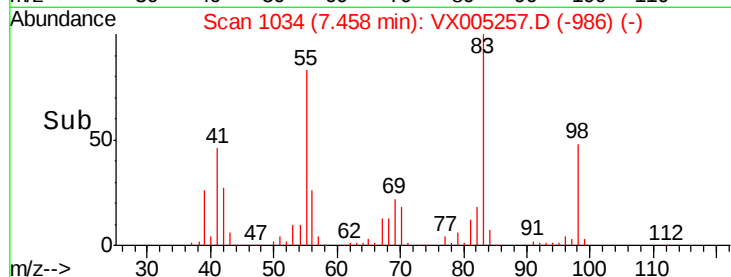
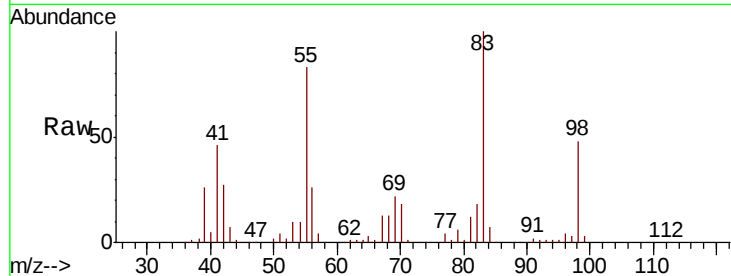




#39
Methvlcvclohexane
Concen: 19.005 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

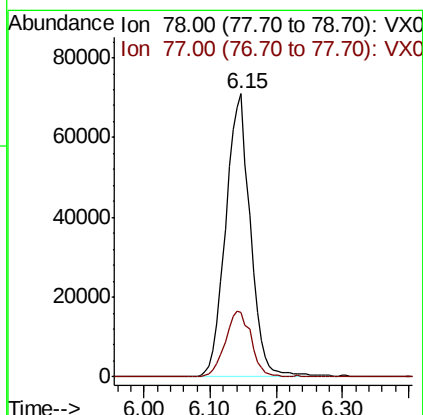
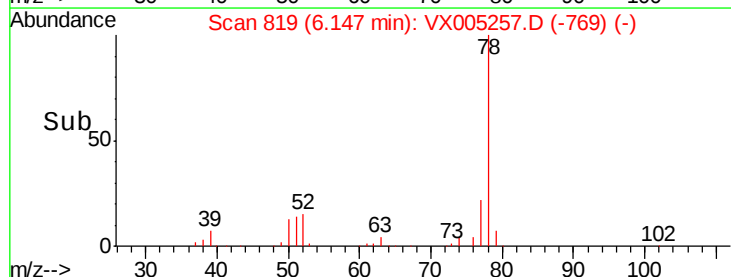
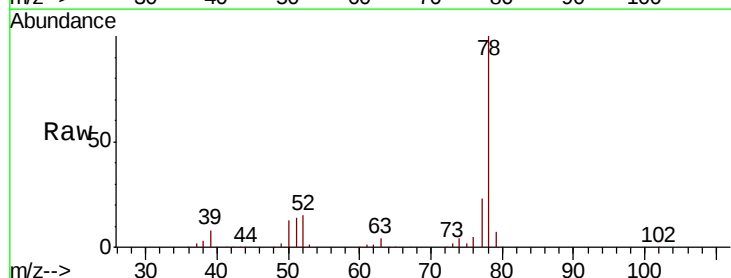
Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

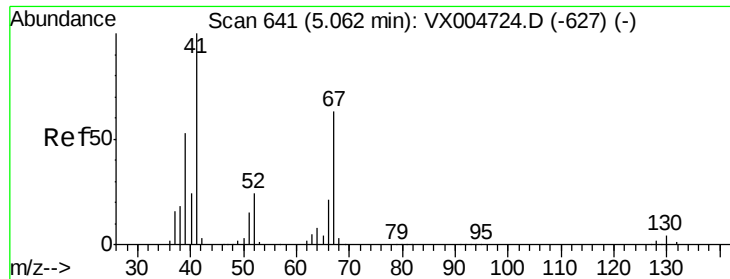
Tot Ion: 83 Resp: 69083
Ion Ratio Lower Upper
83 100
55 82.9 81.1 121.7
98 48.3 37.3 55.9



#40
Benzene
Concen: 16.544 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion: 78 Resp: 184381
Ion Ratio Lower Upper
78 100
77 23.0 21.0 31.4

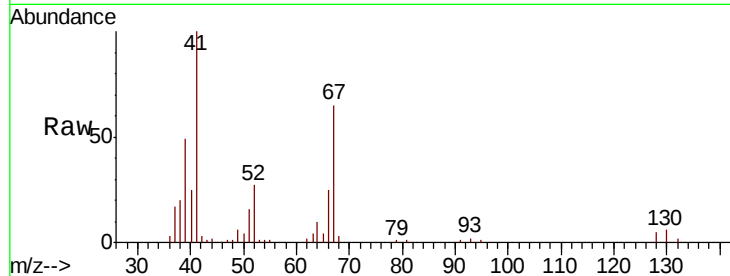




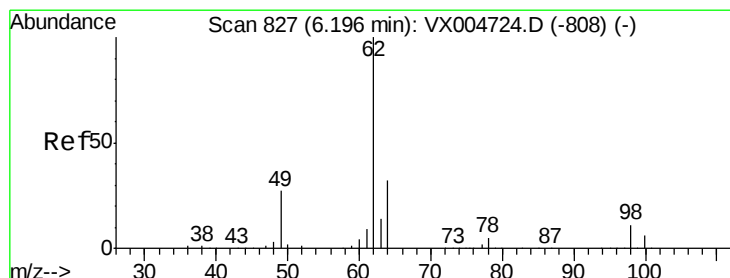
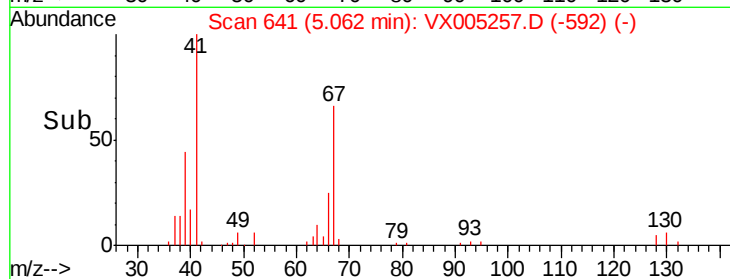
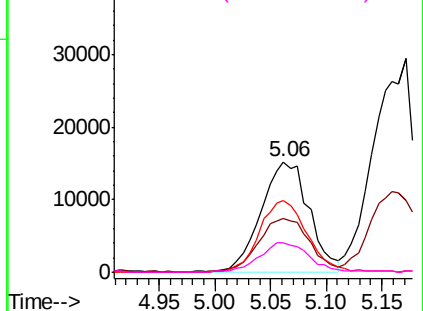
#41
Methacrylonitrile
Concen: 17.479 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Instrument :
MSVOA_X
ClientSampled :
VX1011WBS01

Tot Ion:	41	Resp:	45803
Ion	Ratio	Lower	Upper
41	100		
39	52.1	42.5	63.7
67	64.6	53.0	79.6
52	28.3	19.8	29.8

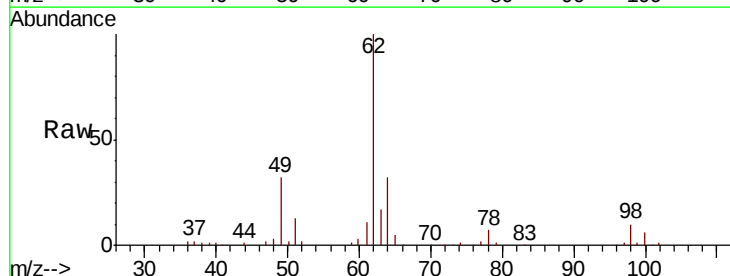


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

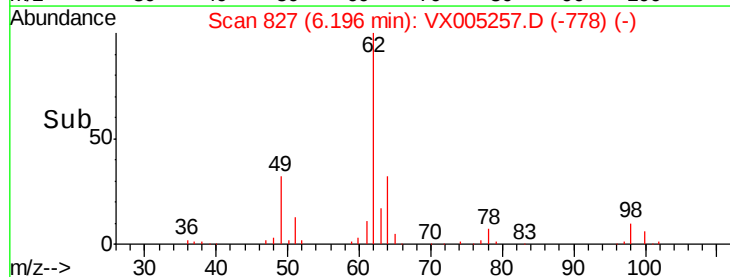
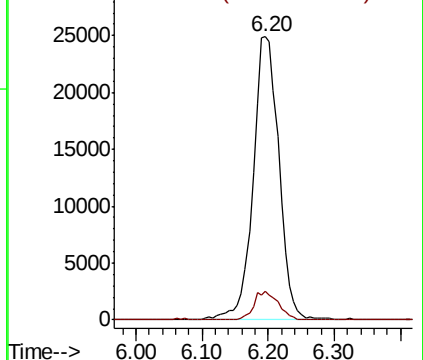


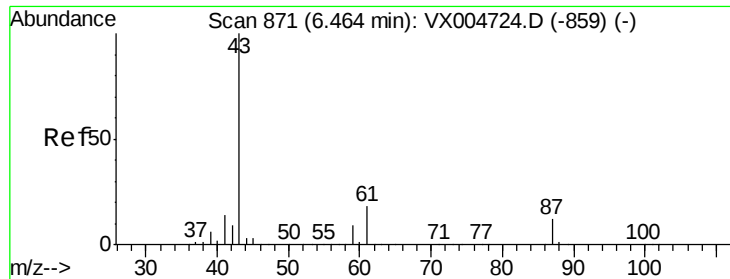
#42
1,2-Dichloroethane
Concen: 17.269 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion:	62	Resp:	68034
Ion	Ratio	Lower	Upper
62	100		
98	9.6	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: 16.632 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

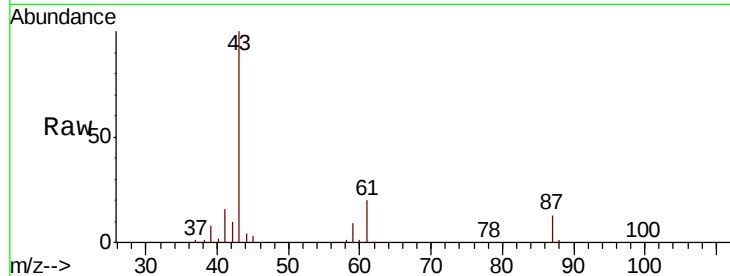
Tot Ion: 43 Resp: 113437

Ion Ratio Lower Upper

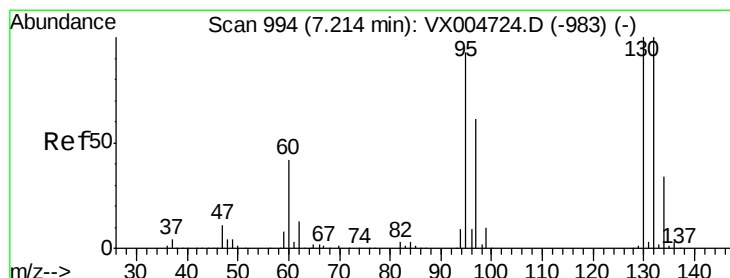
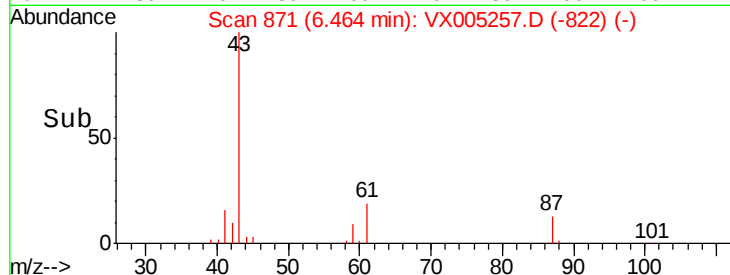
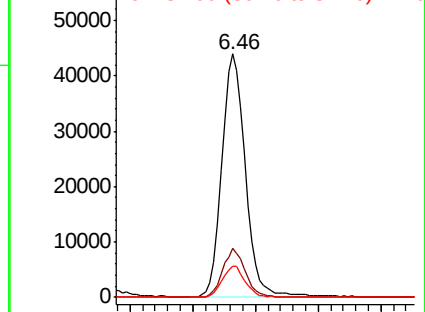
43 100

61 19.6 14.2 21.4

87 12.5 9.3 13.9



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: 17.791 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX005257.D

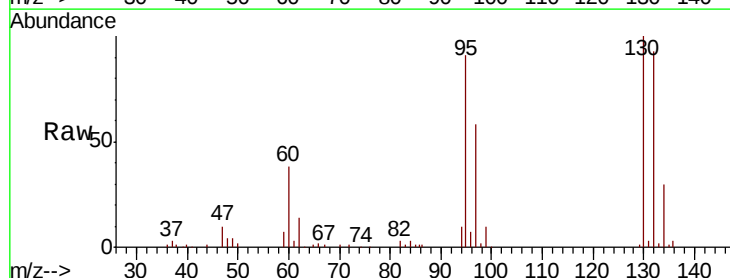
Acq: 11 Oct 2018 16:46

Tgt Ion:130 Resp: 48743

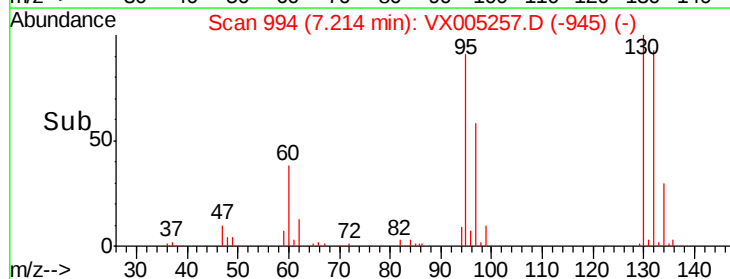
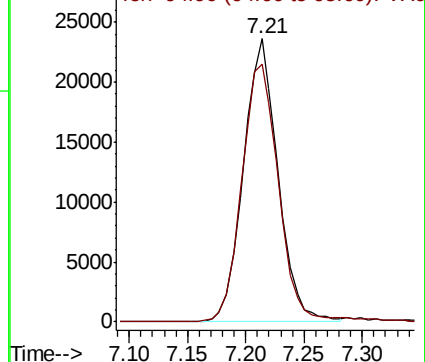
Ion Ratio Lower Upper

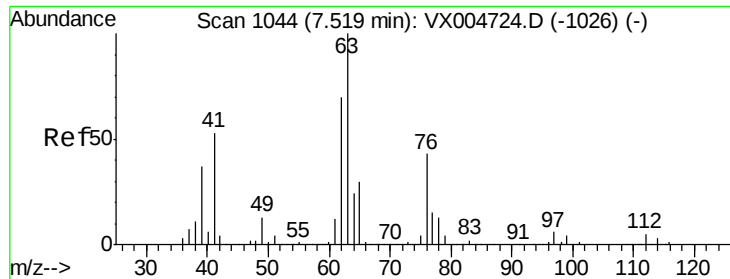
130 100

95 91.1 0.0 186.8



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

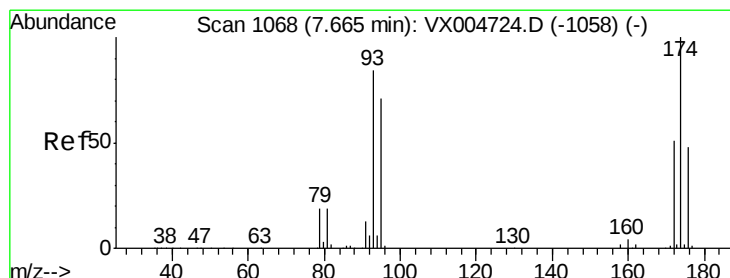
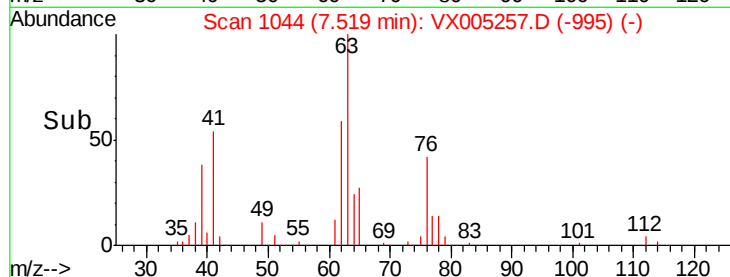
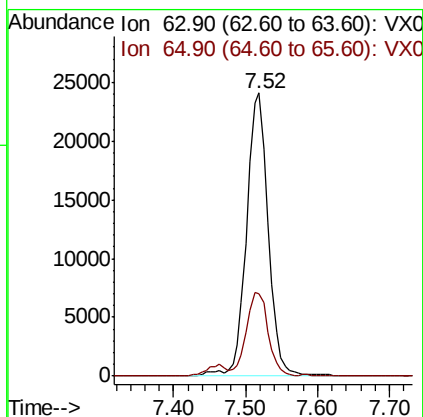
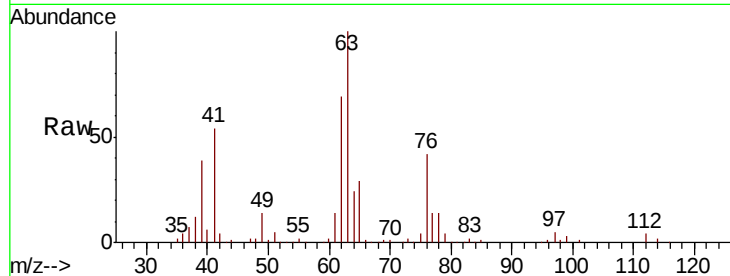




#45
 1,2-Dichloropropane
 Concen: 18.461 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

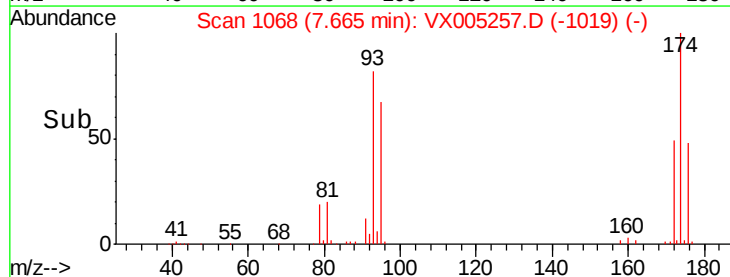
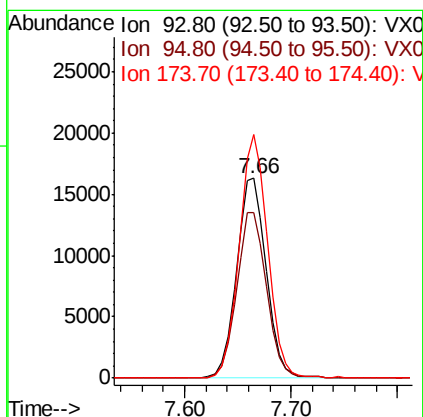
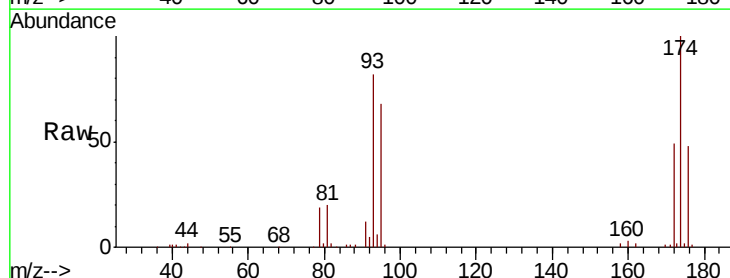
Instrument :
 MSVOA_X
 ClientSampled :
 VX1011WBS01

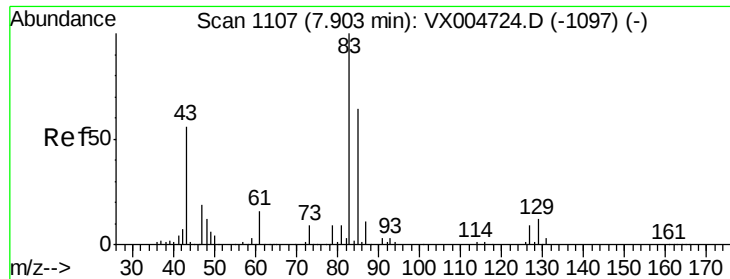
Tot Ion: 63 Resp: 50454
 Ion Ratio Lower Upper
 63 100
 65 28.9 23.9 35.9



#46
 Dibromomethane
 Concen: 18.542 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

Tgt Ion: 93 Resp: 31848
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.7 100.1
 174 117.2 92.7 139.1

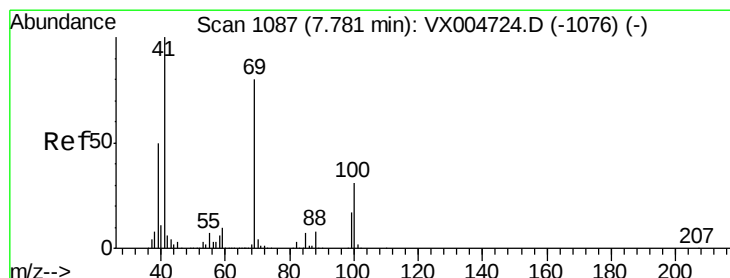
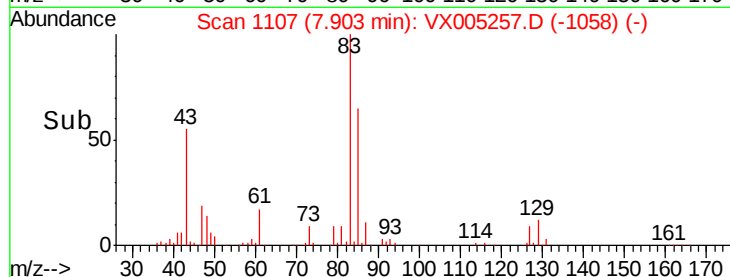
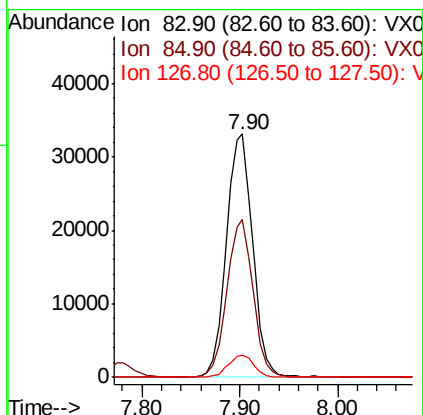
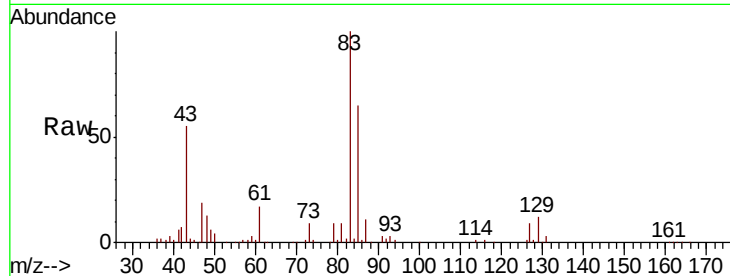




#47
 Bromodichloromethane
 Concen: 19.151 ug/l
 RT: 7.90 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

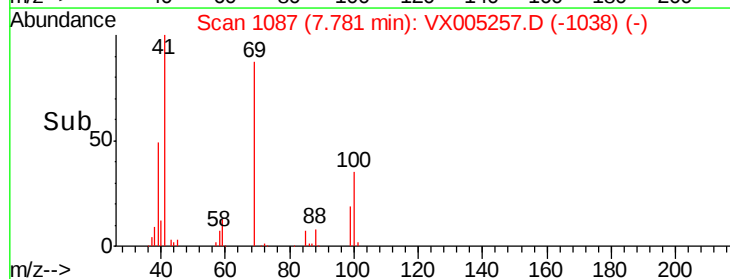
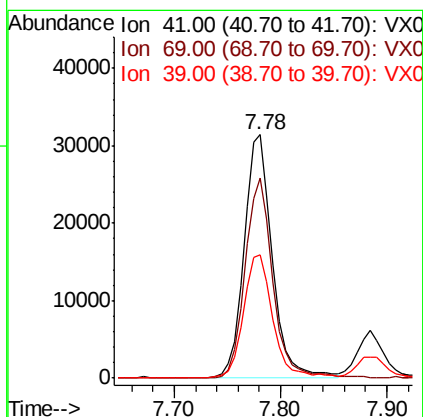
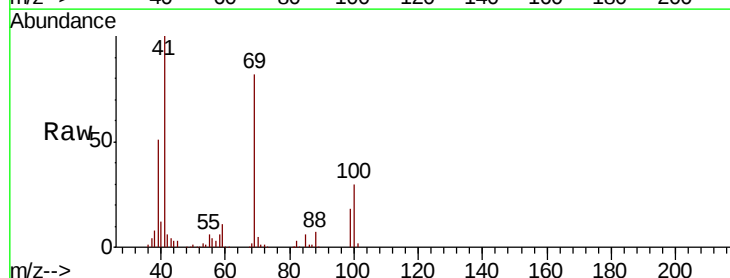
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

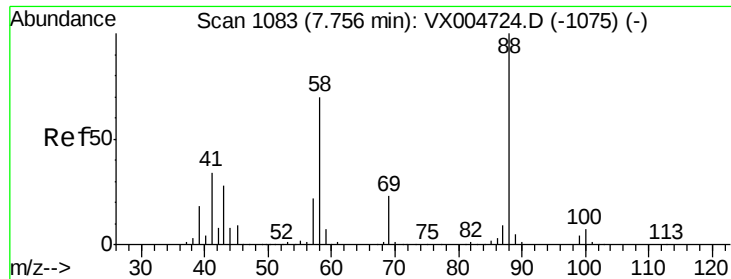
Tot Ion: 83 Resp: 61584
 Ion Ratio Lower Upper
 83 100
 85 64.9 51.2 76.8
 127 9.0 7.0 10.6



#48
 Methyl methacrylate
 Concen: 18.772 ug/l
 RT: 7.78 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

Tgt Ion: 41 Resp: 58111
 Ion Ratio Lower Upper
 41 100
 69 81.5 63.8 95.6
 39 53.1 40.7 61.1

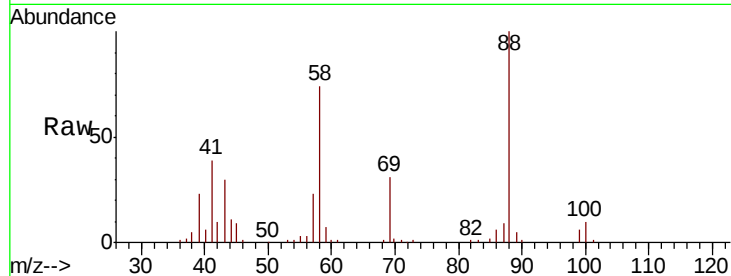




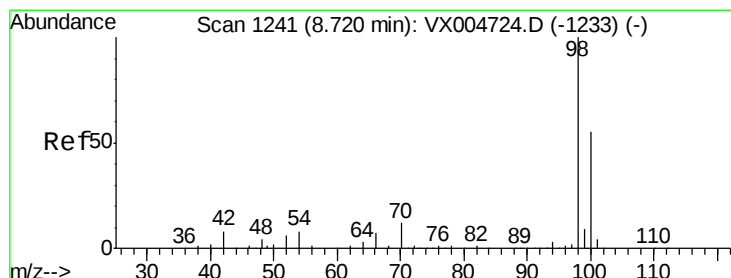
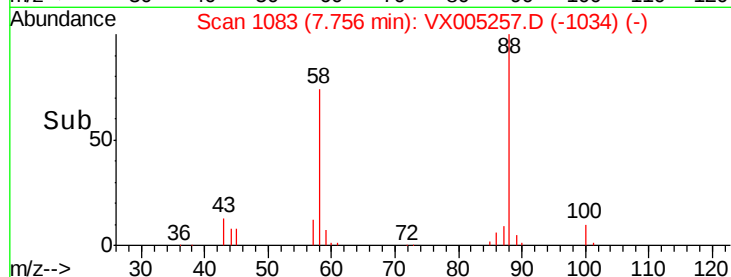
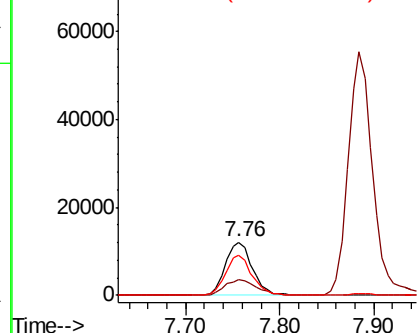
#49
1,4-Dioxane
Concen: 312.457 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion: 88 Resp: 24030
Ion Ratio Lower Upper
88 100
43 33.7 25.1 37.7
58 74.9 56.2 84.2

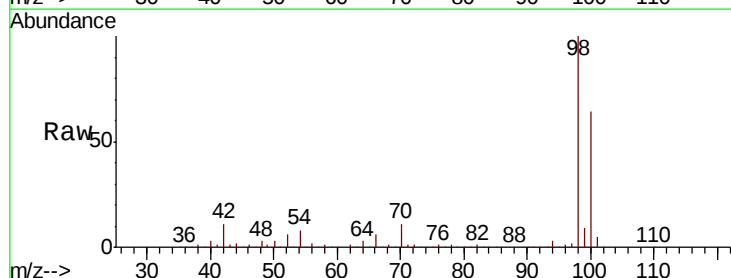


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

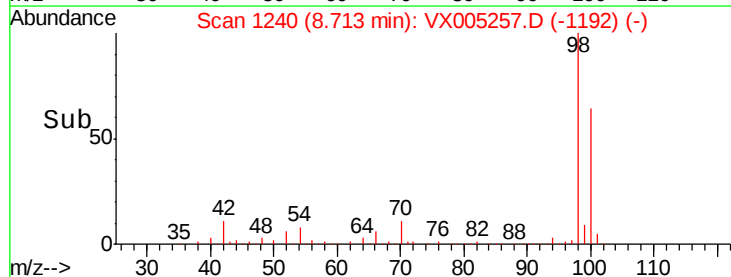
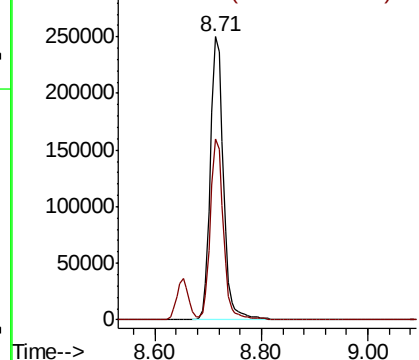


#50
Toluene-d8
Concen: 48.128 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion: 98 Resp: 417460
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



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

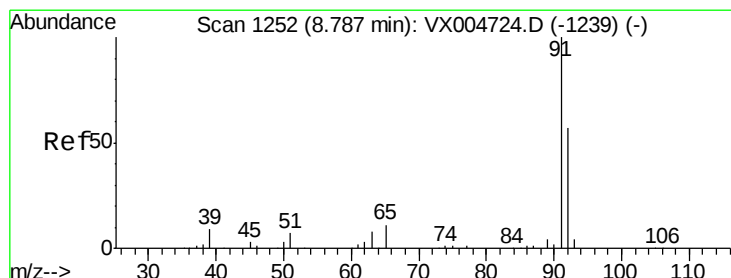
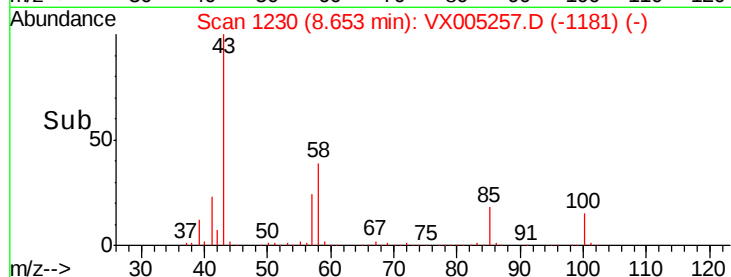
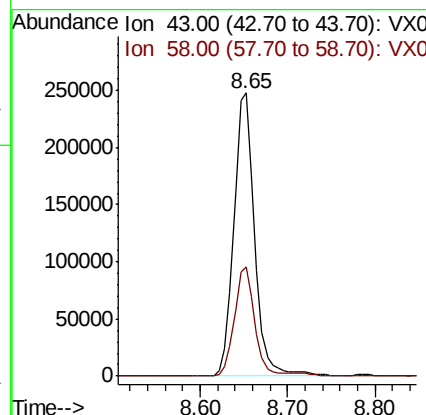
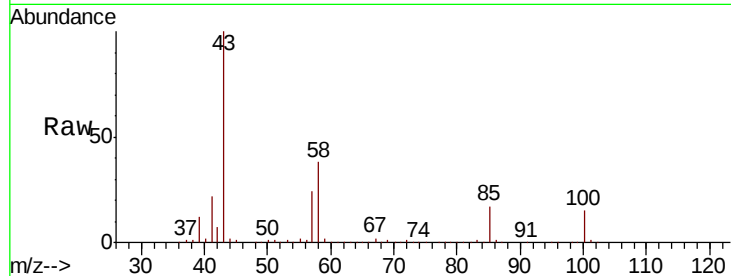




#51
4-Methyl-2-Pentanone
Concen: 95.550 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

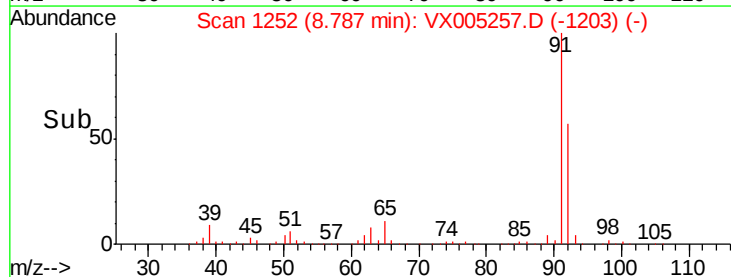
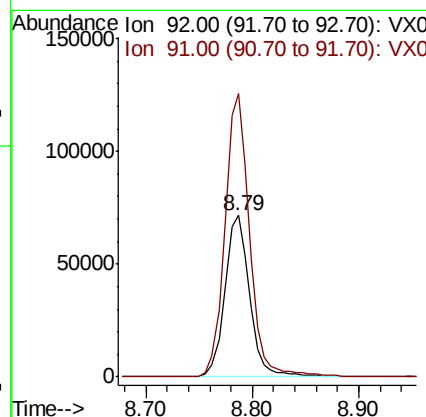
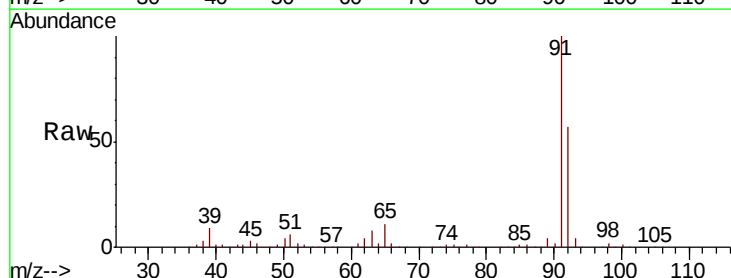
Instrument :
MSVOA_X
ClientSampled :
VX1011WBS01

Tot Ion: 43 Resp: 410323
Ion Ratio Lower Upper
43 100
58 37.2 30.5 45.7



#52
Toluene
Concen: 19.010 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion: 92 Resp: 116415
Ion Ratio Lower Upper
92 100
91 175.0 136.7 205.1

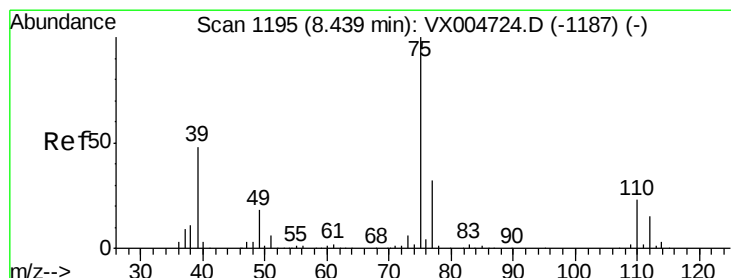
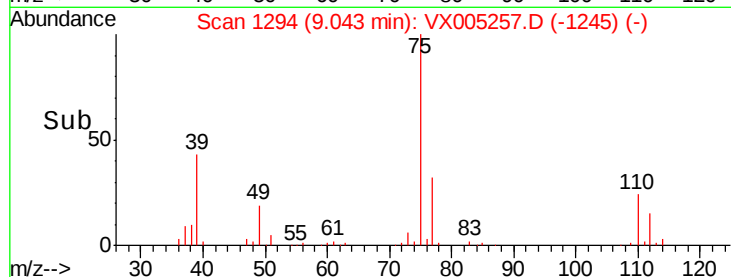
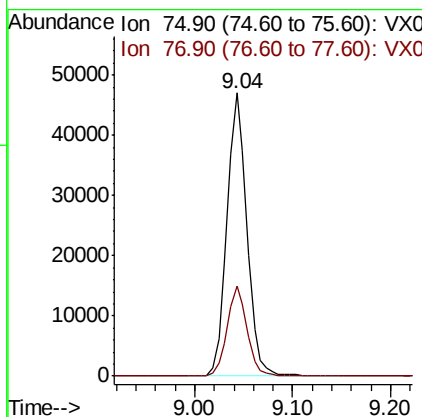
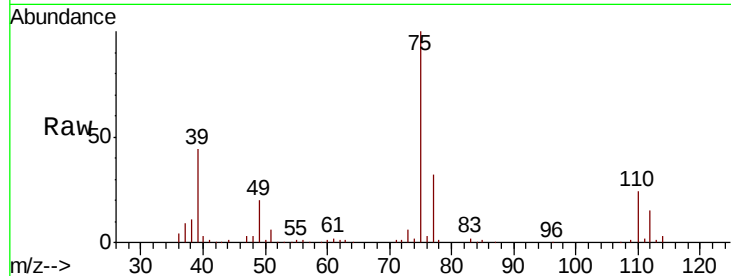




#53
t-1,3-Dichloropropene
Concen: 18.282 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

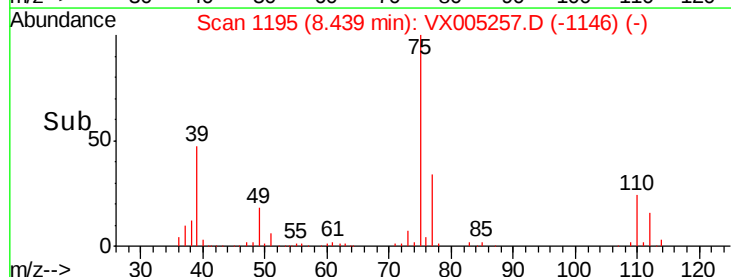
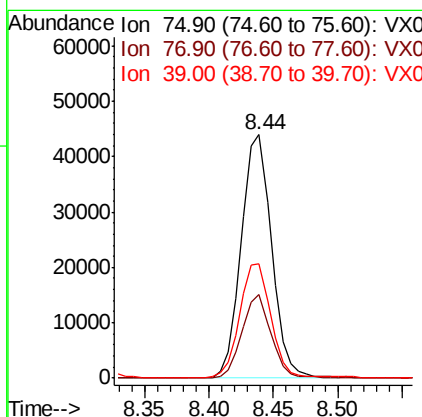
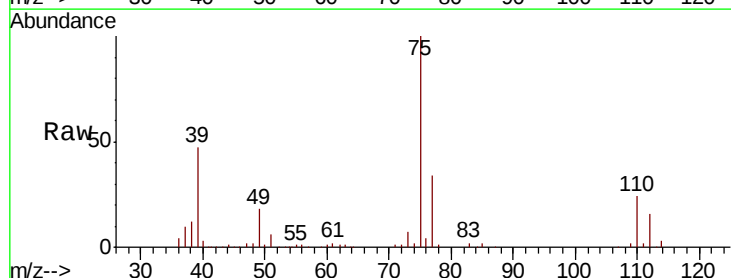
Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion: 75 Resp: 66437
Ion Ratio Lower Upper
75 100
77 31.7 28.9 43.3



#54
cis-1,3-Dichloropropene
Concen: 18.837 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion: 75 Resp: 71701
Ion Ratio Lower Upper
75 100
77 34.4 25.7 38.5
39 46.7 38.3 57.5

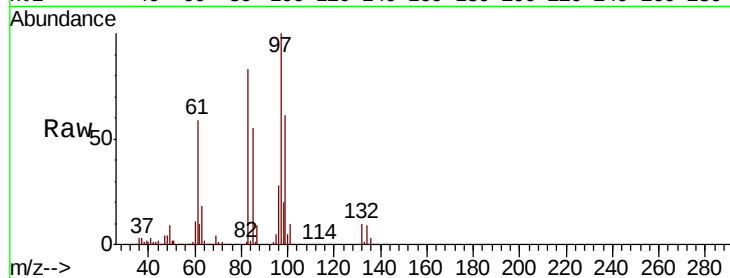




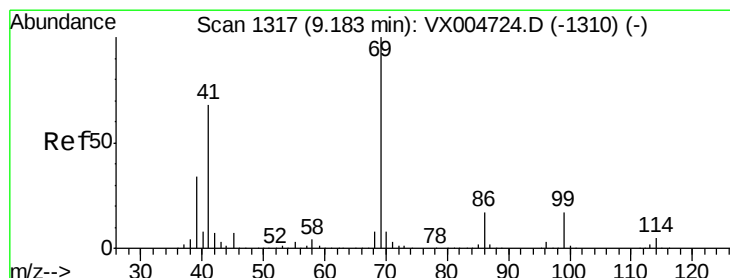
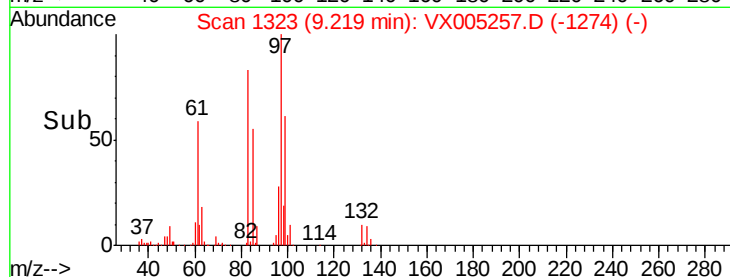
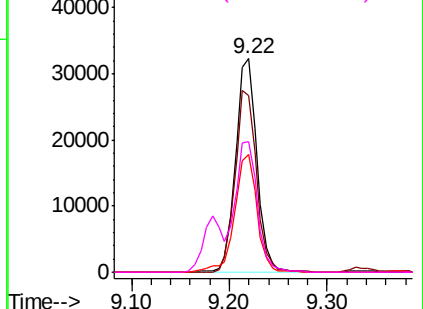
#55
 1,1,2-Trichloroethane
 Concen: 18.277 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Tot Ion:	97	Resp:	49027
Ion	Ratio	Lower	Upper
97	100		
83	82.7	68.2	102.2
85	54.9	49.9	74.9
99	61.3	48.9	73.3

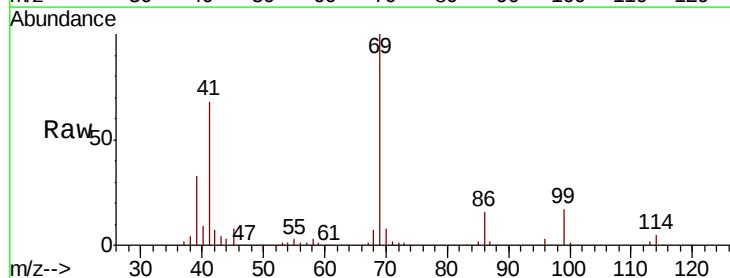


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

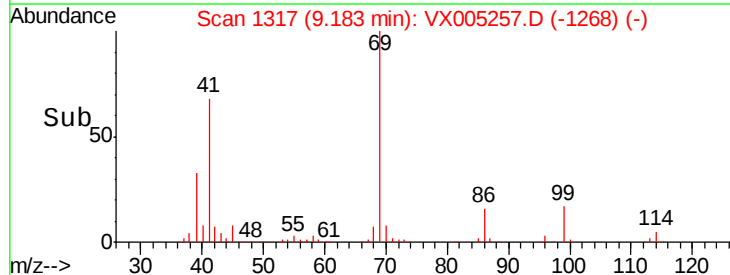
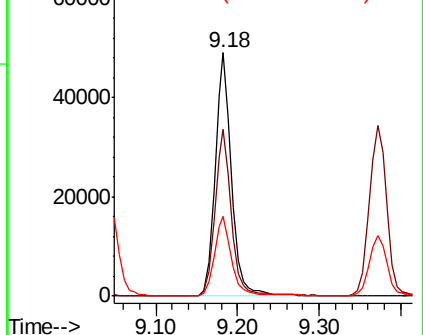


#56
 Ethyl methacrylate
 Concen: 17.940 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

Tgt Ion:	69	Resp:	69615
Ion	Ratio	Lower	Upper
69	100		
41	68.5	56.9	85.3
39	34.0	28.4	42.6



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





#57

1,3-Dichloropropane

Concen: 17.972 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

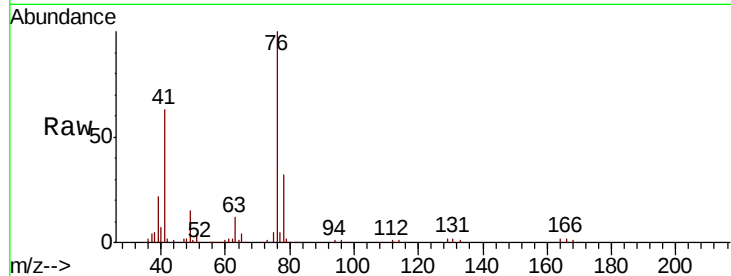
VX1011WBS01

Tot Ion: 76 Resp: 80235

Ion Ratio Lower Upper

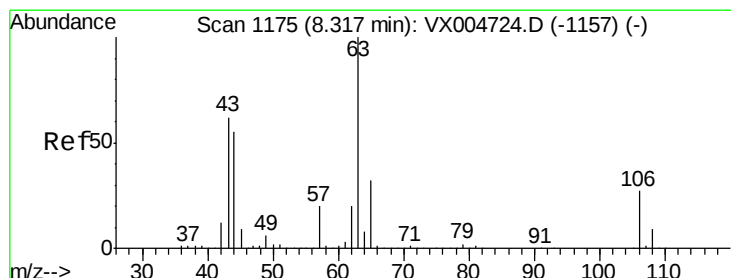
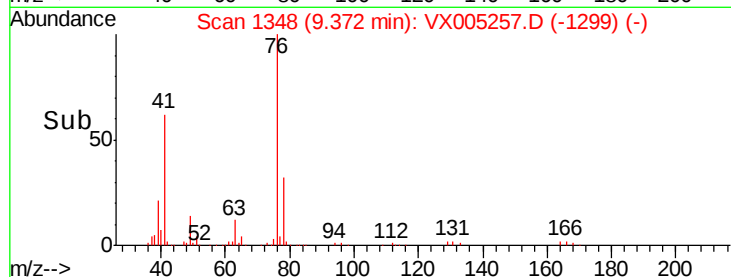
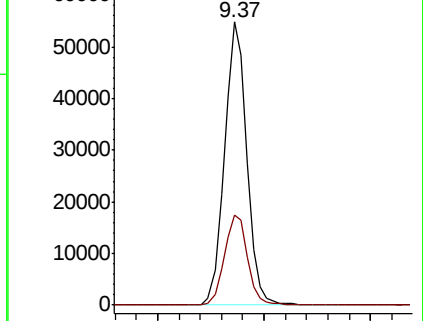
76 100

78 32.9 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 82.308 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005257.D

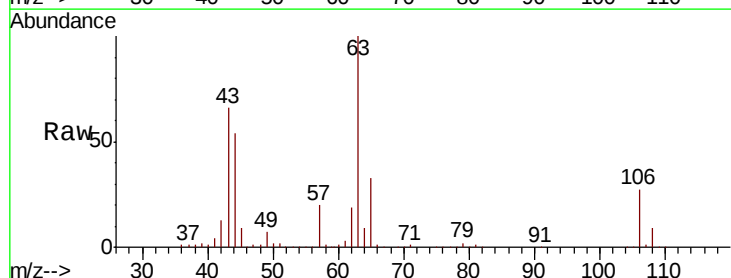
Acq: 11 Oct 2018 16:46

Tgt Ion: 63 Resp: 166823

Ion Ratio Lower Upper

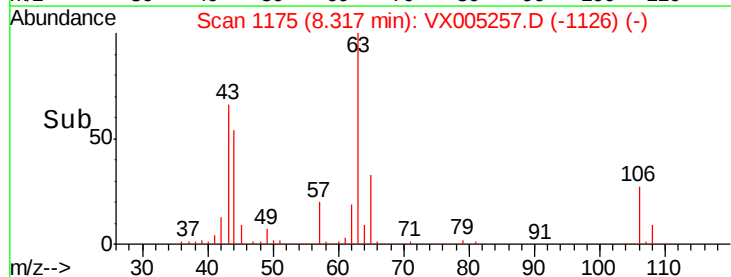
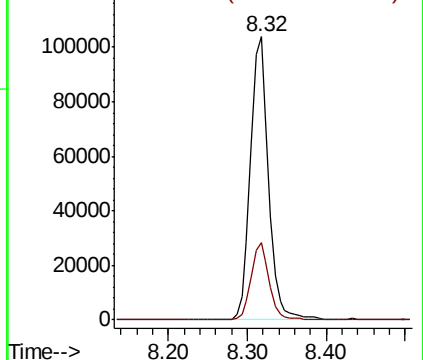
63 100

106 27.4 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

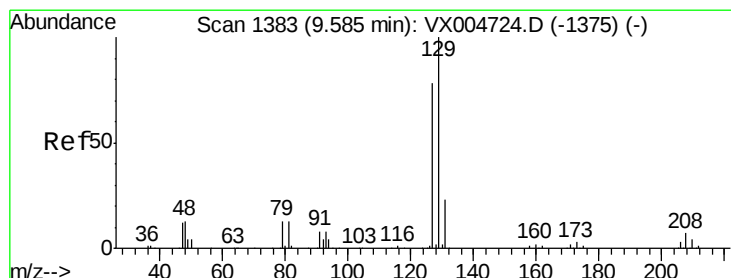
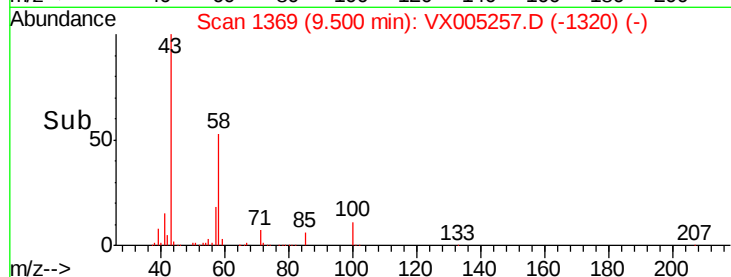
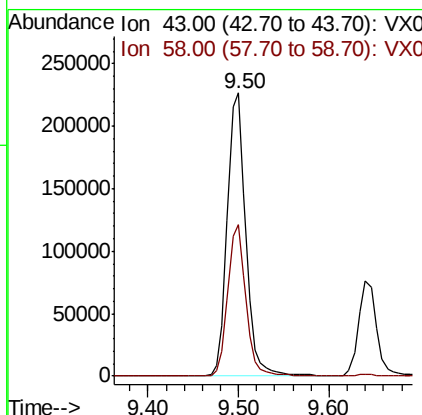
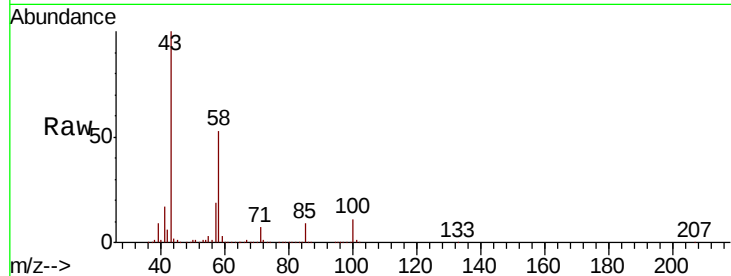




#59
2-Hexanone
Concen: 90.025 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

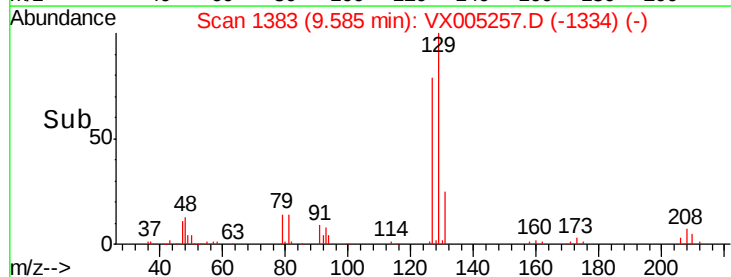
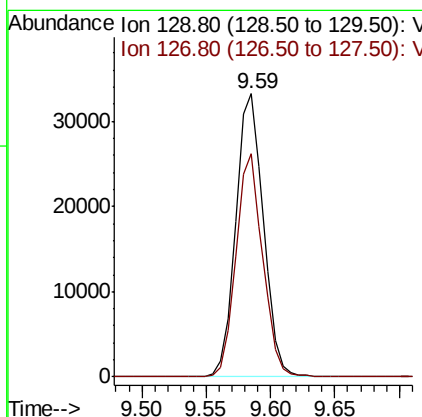
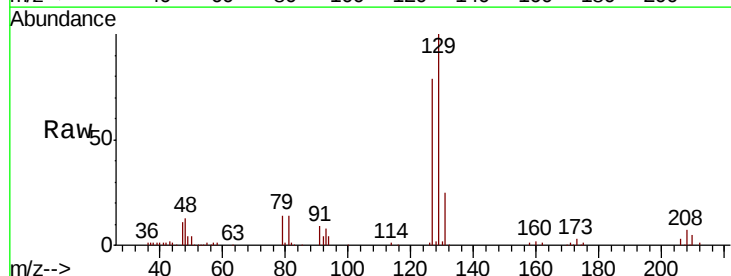
Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

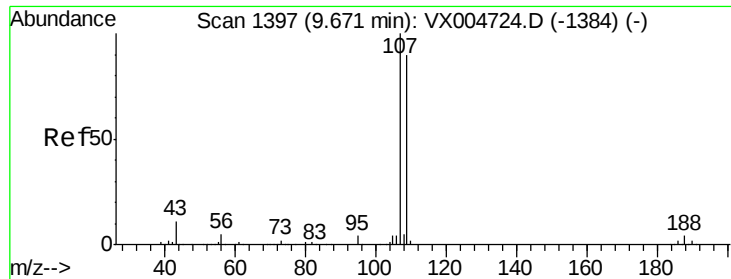
Tot Ion: 43 Resp: 322159
Ion Ratio Lower Upper
43 100
58 52.5 28.4 85.3



#60
Dibromochloromethane
Concen: 18.382 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion: 129 Resp: 49313
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.2

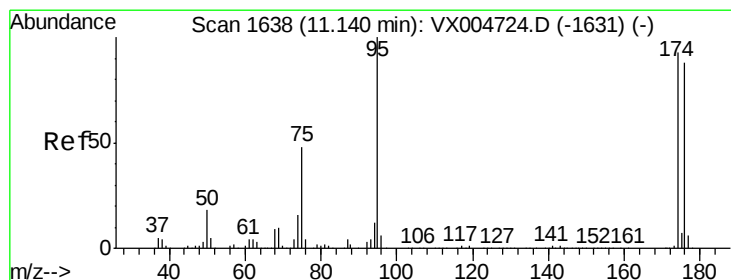
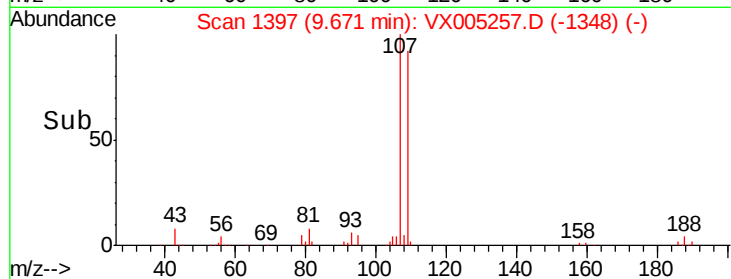
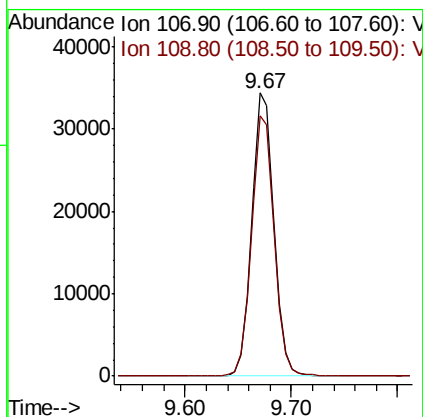
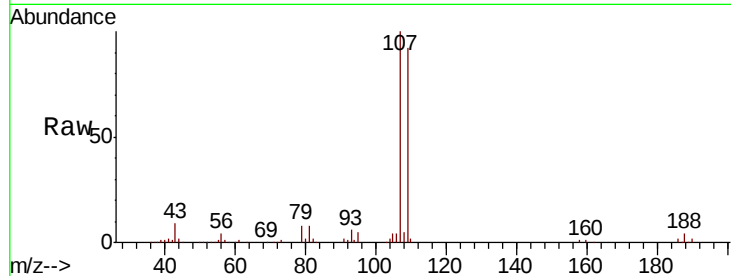




#61
 1,2-Dibromoethane
 Concen: 17.474 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

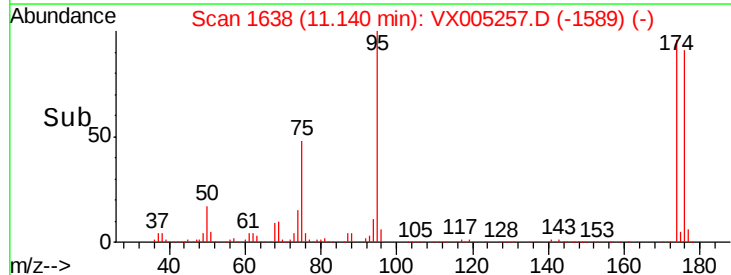
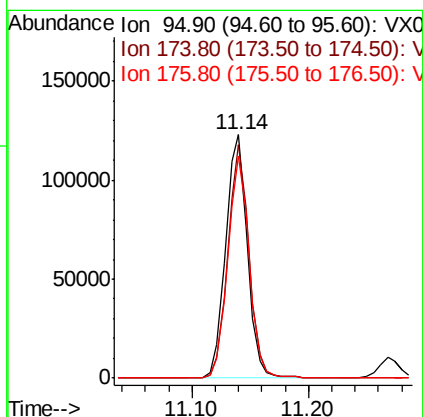
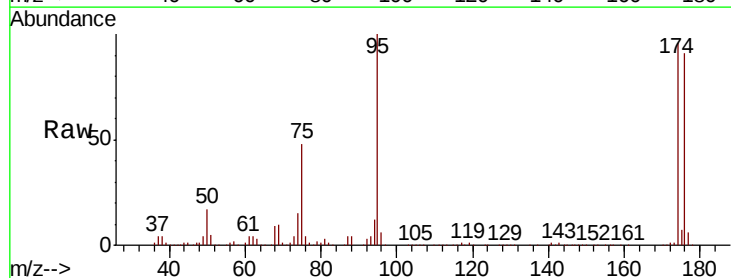
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

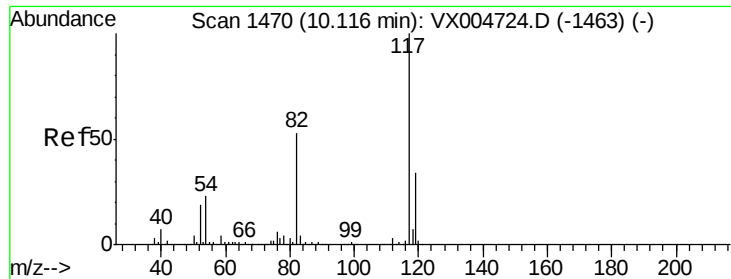
Tot Ion:107 Resp: 50197
 Ion Ratio Lower Upper
 107 100
 109 93.8 72.1 108.1



#62
 4-Bromofluorobenzene
 Concen: 50.879 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

Tgt Ion: 95 Resp: 158990
 Ion Ratio Lower Upper
 95 100
 174 93.2 0.0 185.0
 176 89.9 0.0 180.2

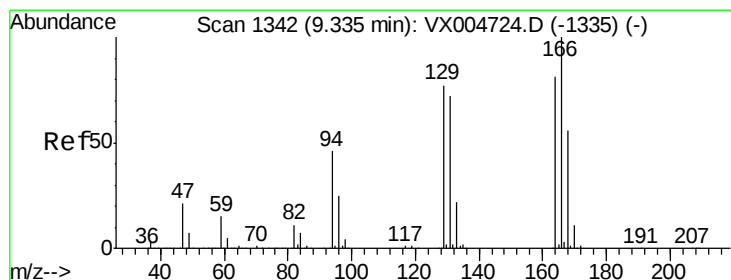
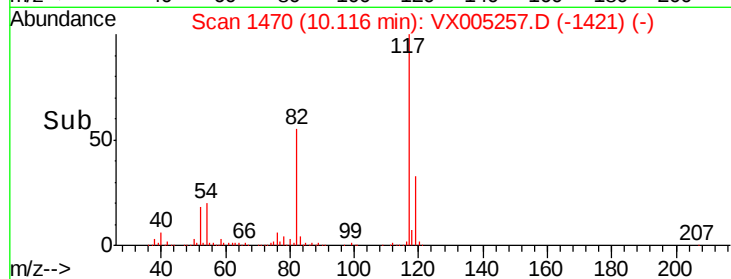
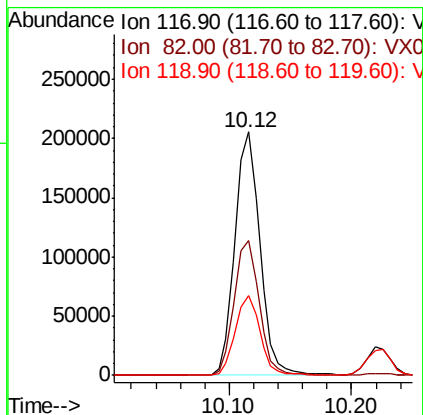
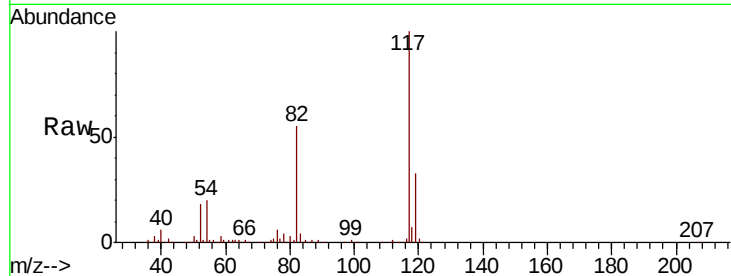




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

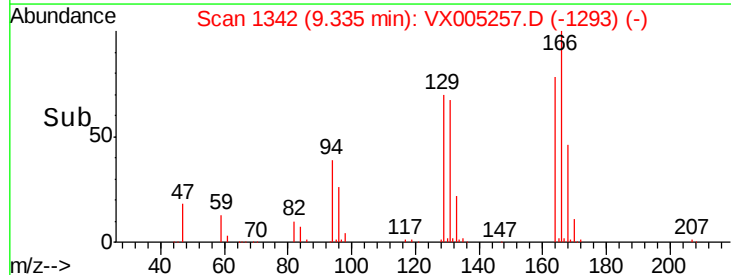
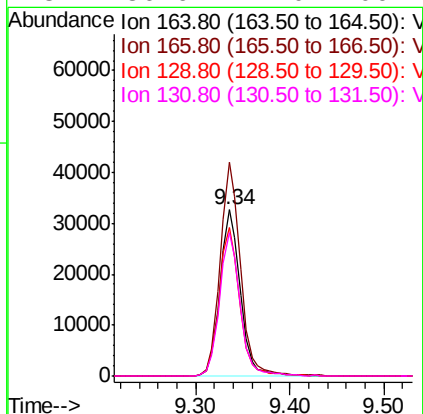
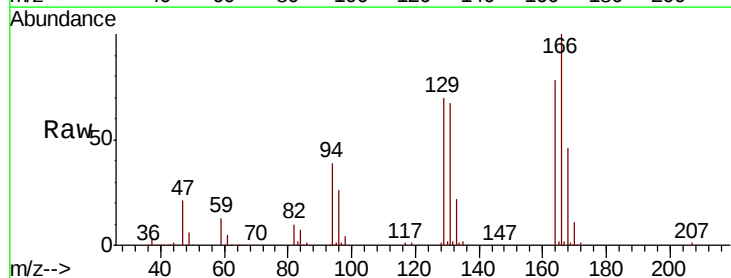
Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

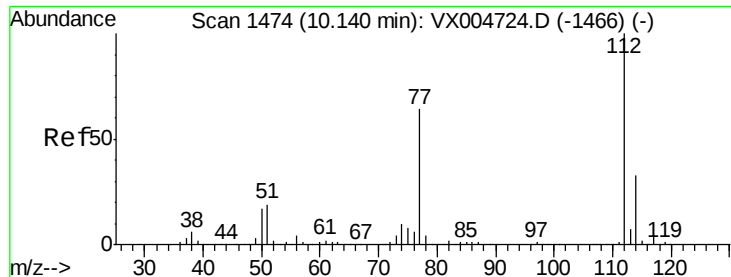
Tot Ion:117 Resp: 290571
Ion Ratio Lower Upper
117 100
82 55.2 42.2 63.4
119 32.7 27.4 41.0



#64
Tetrachloroethene
Concen: 17.273 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion:164 Resp: 49397
Ion Ratio Lower Upper
164 100
166 128.5 98.4 147.6
129 89.6 76.1 114.1
131 86.6 71.0 106.4

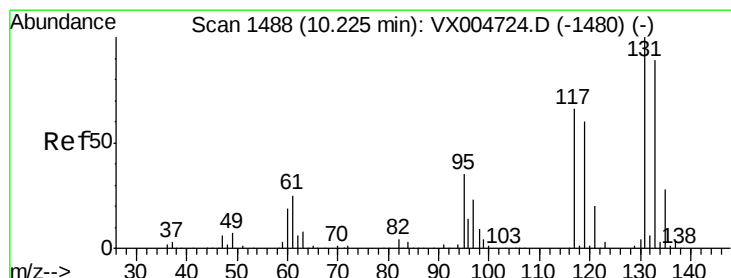
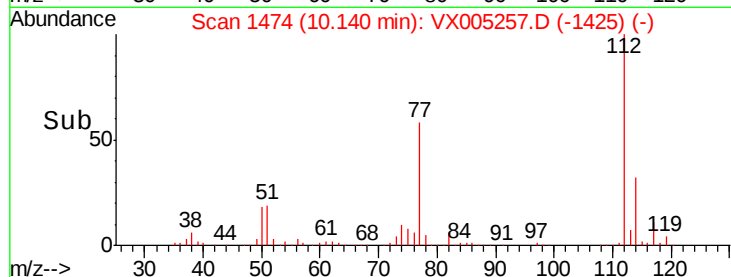
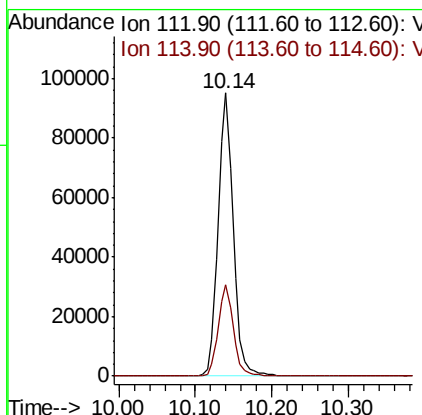
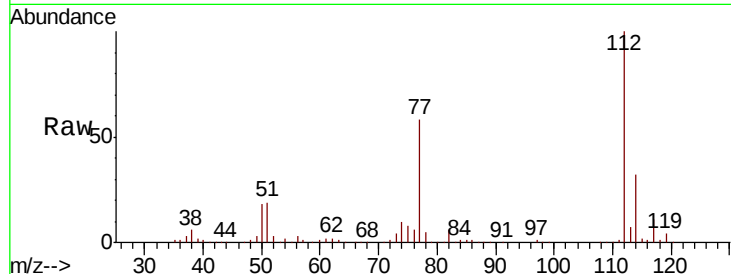




#65
Chlorobenzene
Concen: 17.565 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

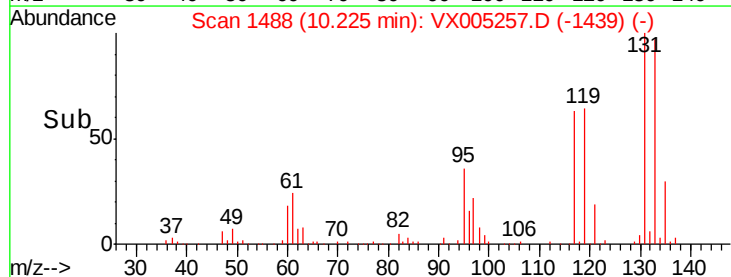
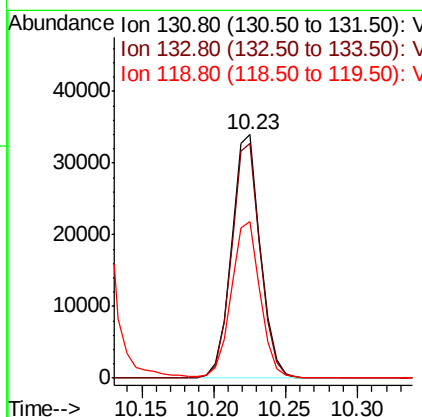
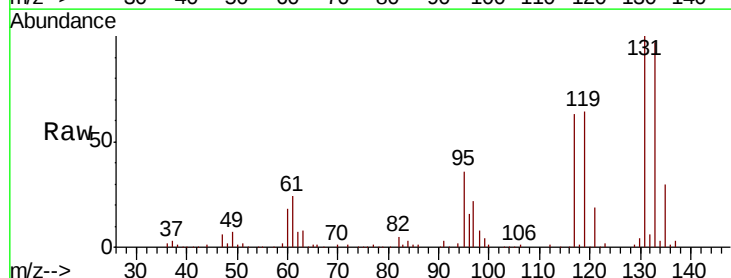
Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

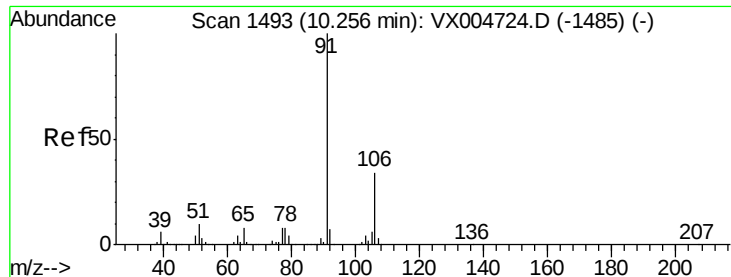
Tot Ion:112 Resp: 130876
Ion Ratio Lower Upper
112 100
114 32.2 26.7 40.1



#66
1,1,1,2-Tetrachloroethane
Concen: 18.099 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion:131 Resp: 47409
Ion Ratio Lower Upper
131 100
133 96.6 48.4 145.0
119 64.9 32.3 96.8





#67

Ethyl Benzene

Concen: 18.224 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

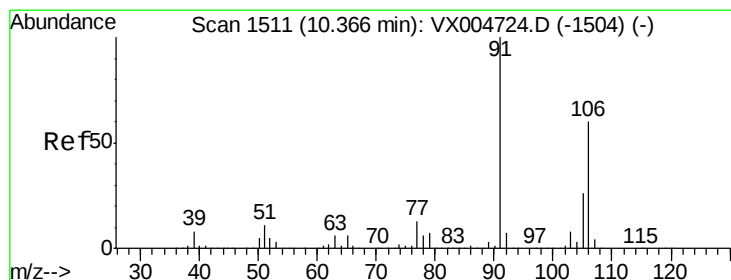
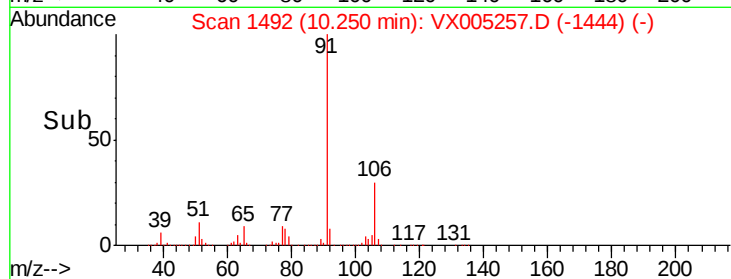
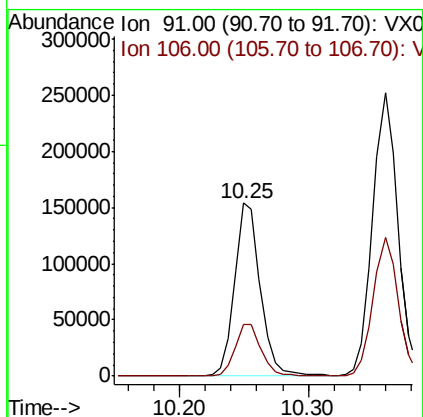
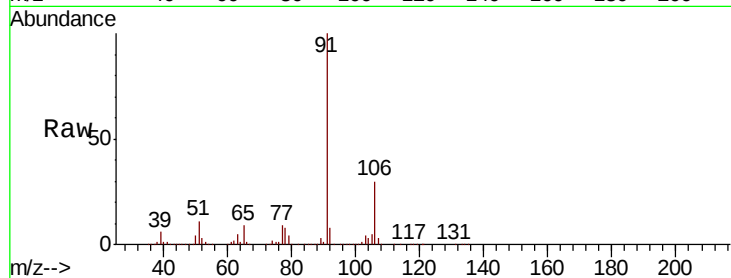
VX1011WBS01

Tot Ion: 91 Resp: 215575

Ion Ratio Lower Upper

91 100

106 30.2 26.9 40.3



#68

m/p-Xylenes

Concen: 36.671 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX005257.D

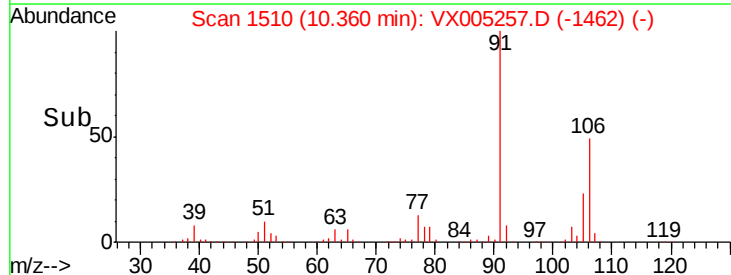
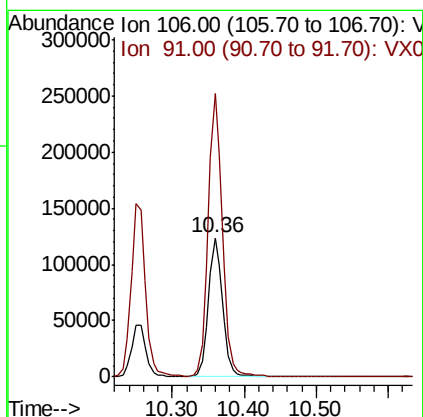
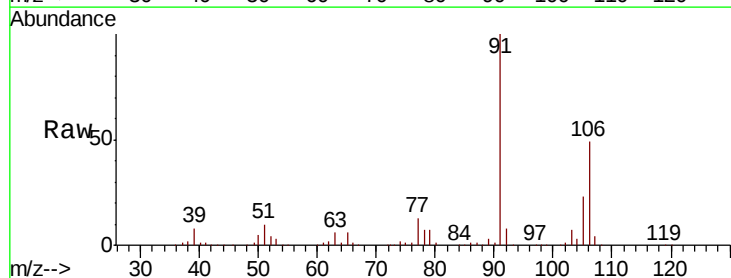
Acq: 11 Oct 2018 16:46

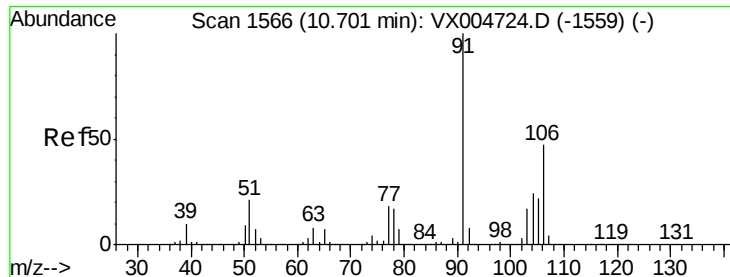
Tgt Ion: 106 Resp: 169517

Ion Ratio Lower Upper

106 100

91 204.3 157.5 236.3

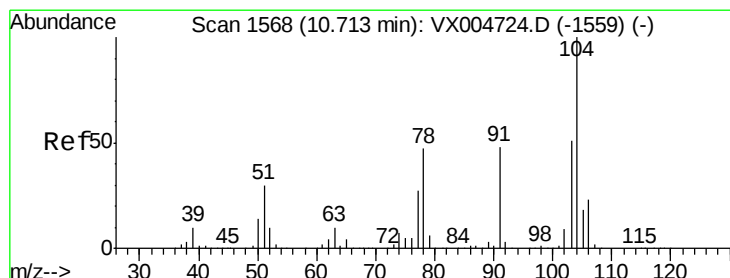
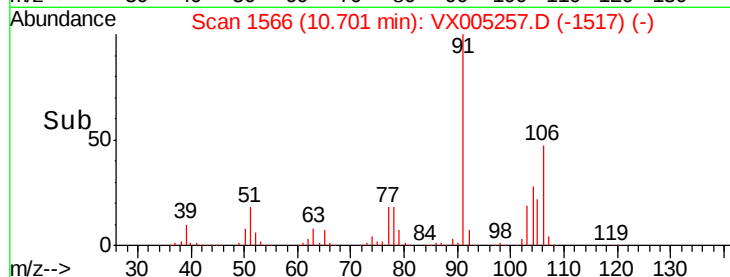
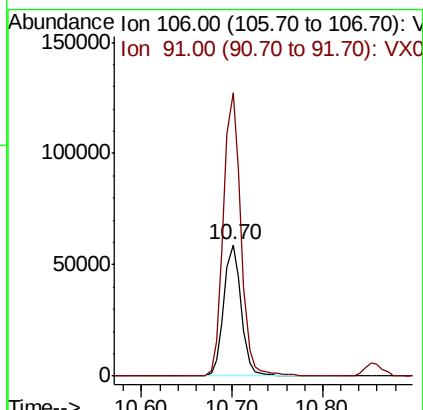
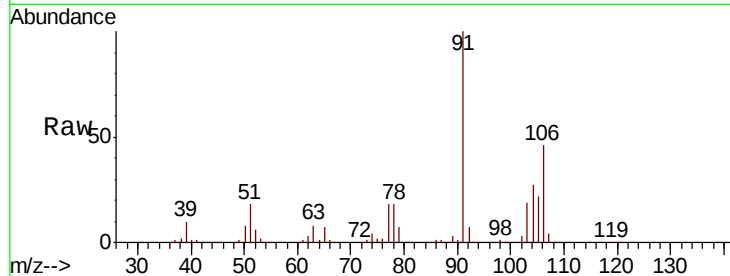




#69
o-Xylene
Concen: 18.797 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

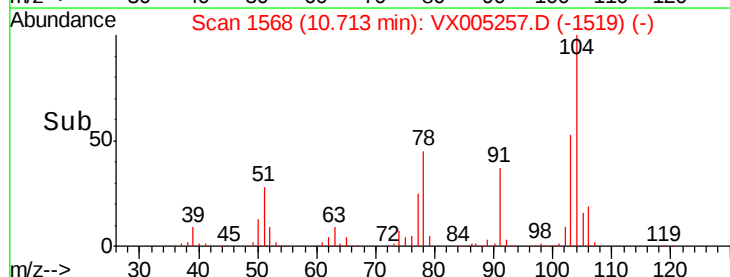
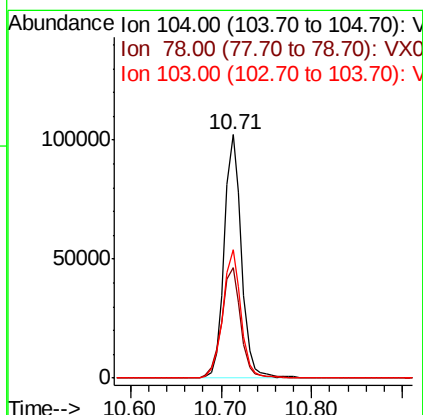
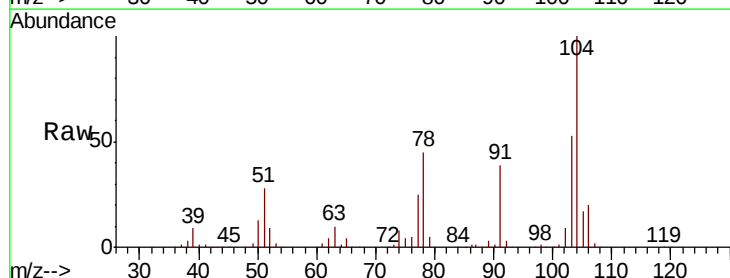
Instrument :
MSVOA_X
ClientSampled :
VX1011WBS01

Tot Ion:106 Resp: 79809
Ion Ratio Lower Upper
106 100
91 215.5 108.3 324.8



#70
Styrene
Concen: 18.437 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion:104 Resp: 135203
Ion Ratio Lower Upper
104 100
78 50.4 40.0 60.0
103 55.9 44.3 66.5





#71

Bromoform

Concen: 17.834 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

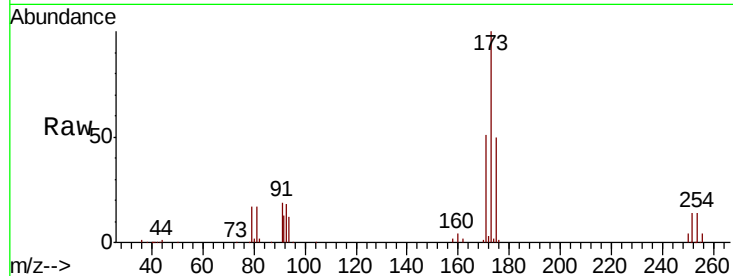
Tot Ion:173 Resp: 39994

Ion Ratio Lower Upper

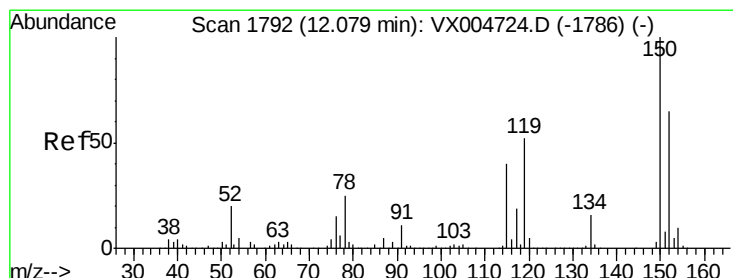
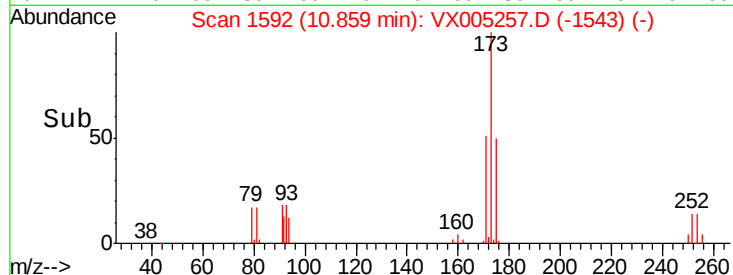
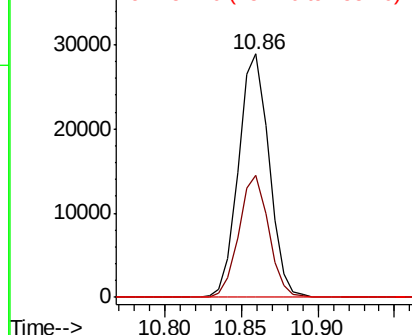
173 100

175 48.7 23.3 69.8

254 0.1 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: VX005257.D

Acq: 11 Oct 2018 16:46

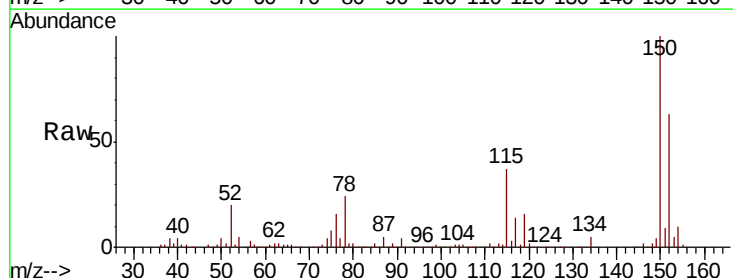
Tgt Ion:152 Resp: 164925

Ion Ratio Lower Upper

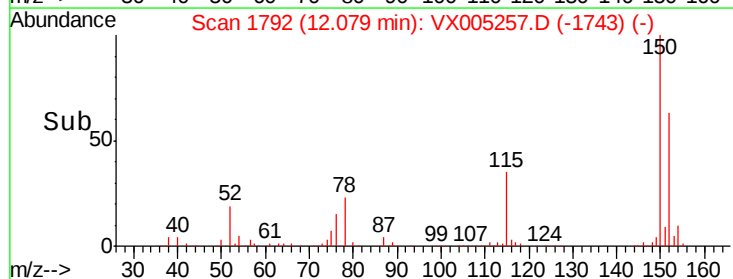
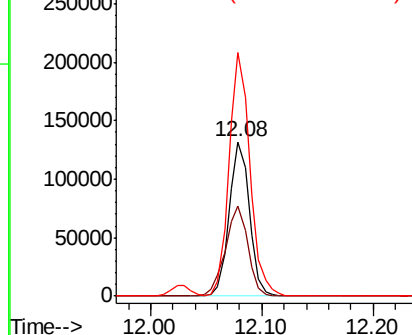
152 100

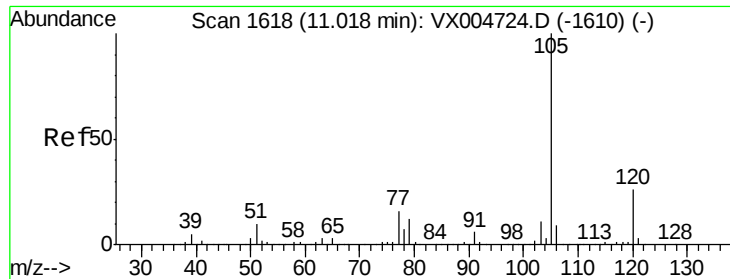
115 65.5 40.2 120.6

150 163.9 0.0 351.0



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: 21.386 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

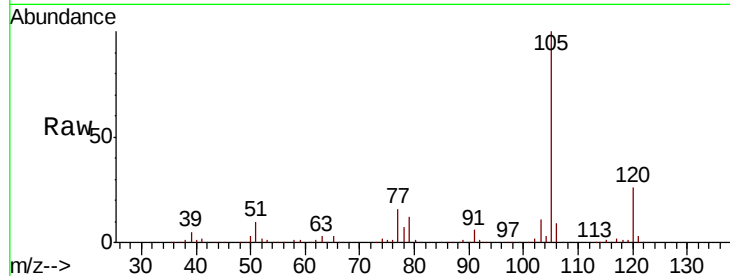
VX1011WBS01

Tot Ion:105 Resp: 222321

Ion Ratio Lower Upper

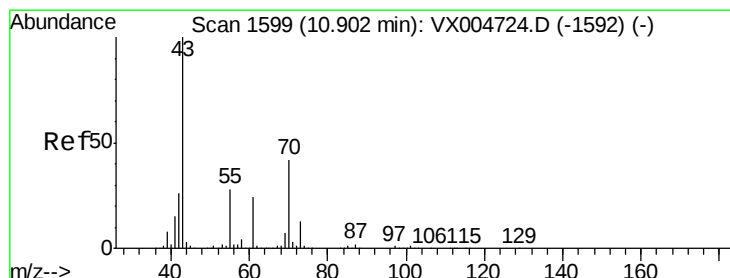
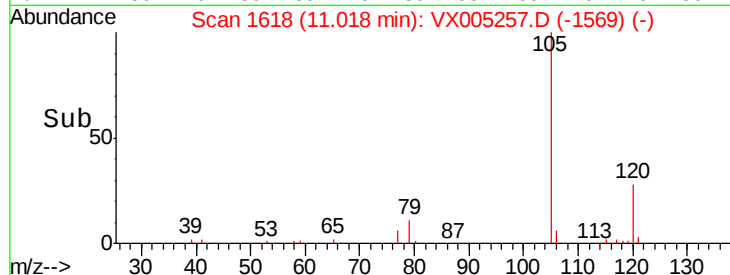
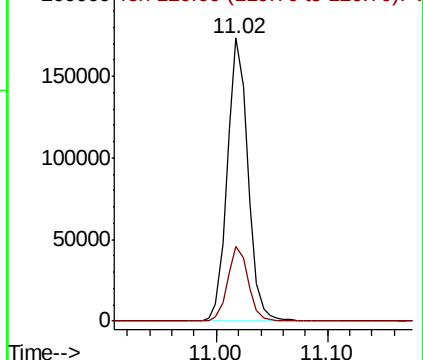
105 100

120 26.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.731 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Tgt Ion: 43 Resp: 100552

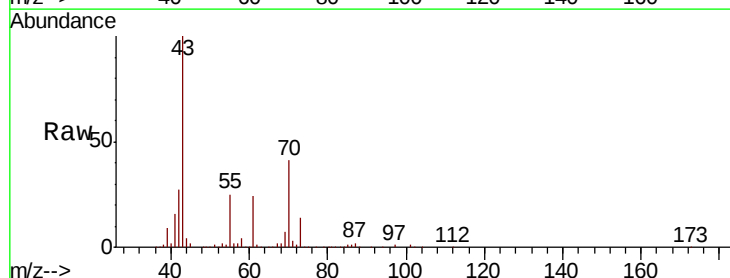
Ion Ratio Lower Upper

43 100

70 40.2 32.6 48.8

55 26.1 21.6 32.4

61 23.2 19.1 28.7

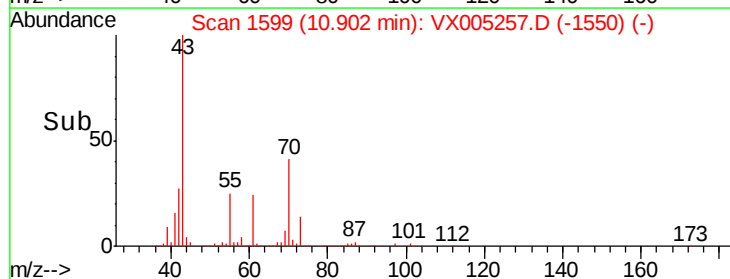
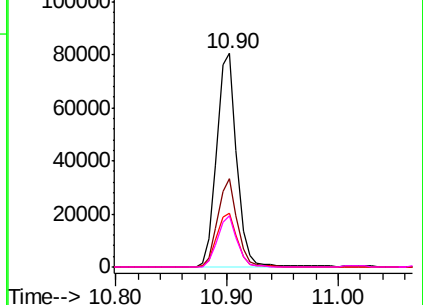


Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 18.734 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

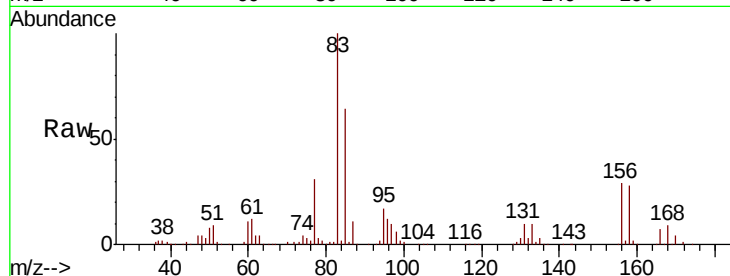
Tot Ion: 83 Resp: 79274

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

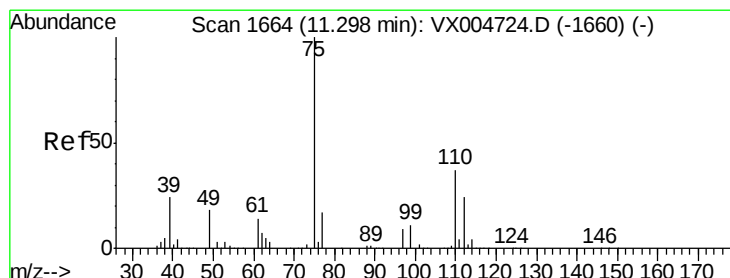
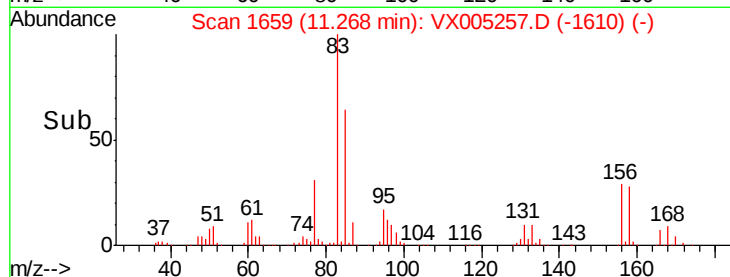
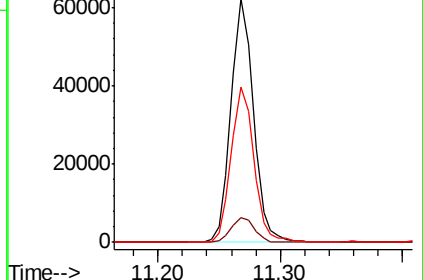
85 64.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.624 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005257.D

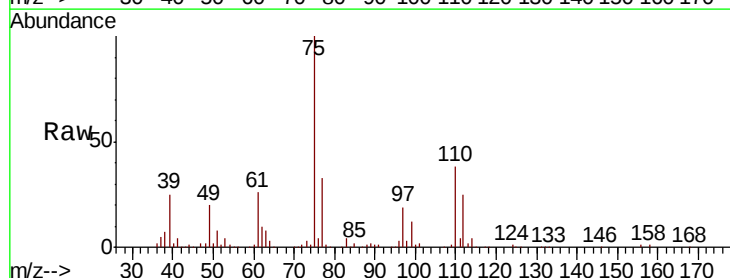
Acq: 11 Oct 2018 16:46

Tgt Ion: 75 Resp: 91024

Ion Ratio Lower Upper

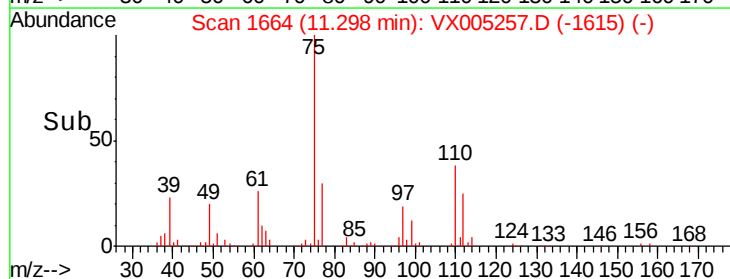
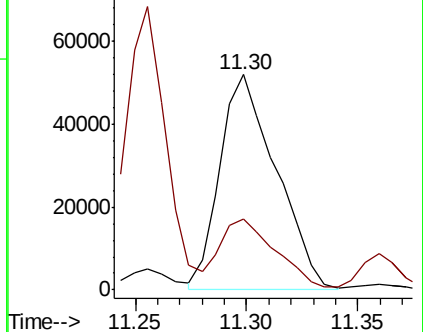
75 100

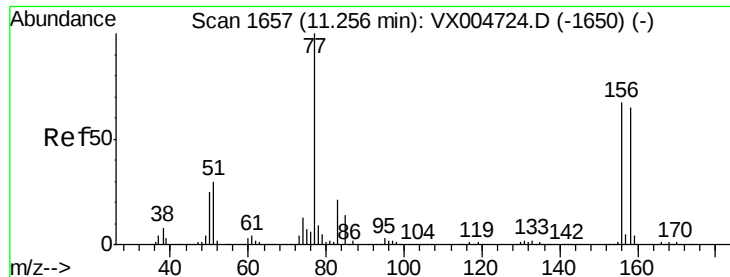
77 32.7 21.4 64.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.242 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

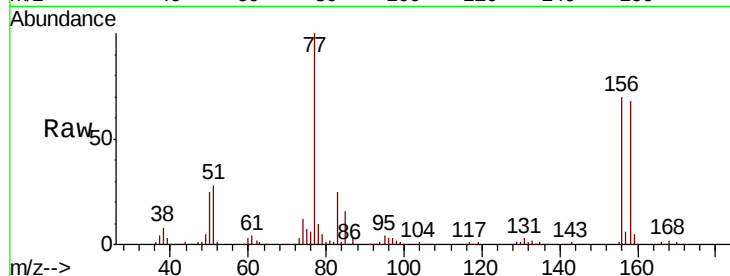
Tot Ion:156 Resp: 61118

Ion Ratio Lower Upper

156 100

77 143.6 73.4 220.2

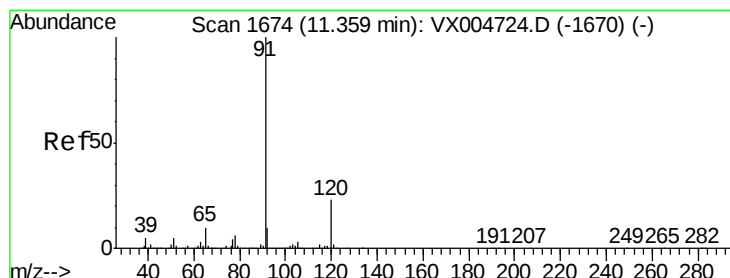
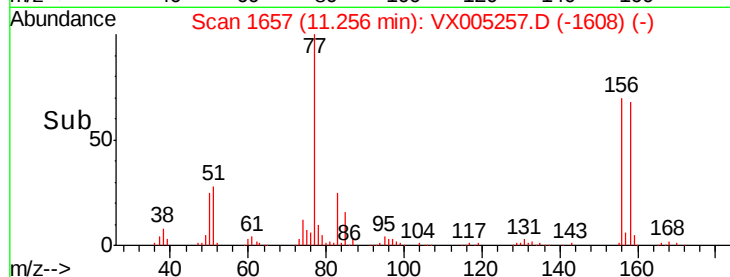
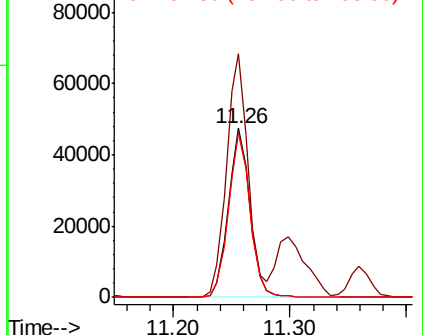
158 97.3 49.1 147.4



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: 21.768 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005257.D

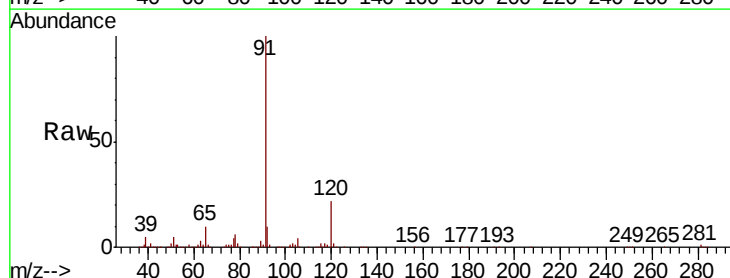
Acq: 11 Oct 2018 16:46

Tgt Ion: 91 Resp: 259638

Ion Ratio Lower Upper

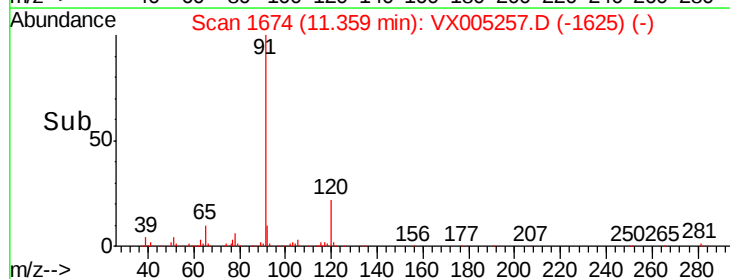
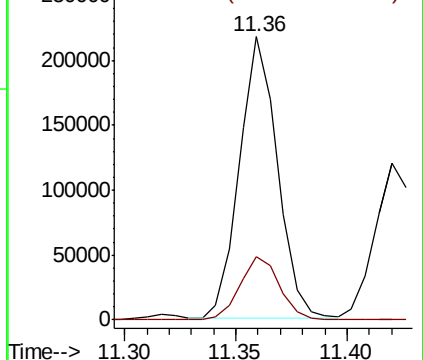
91 100

120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.554 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampled :

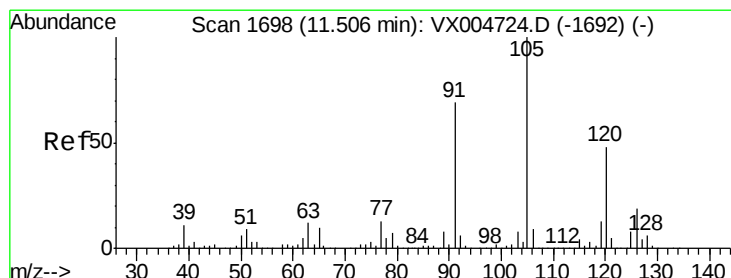
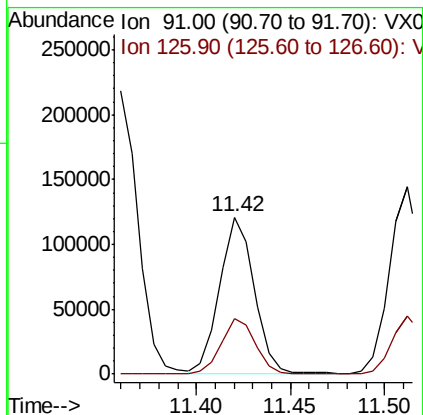
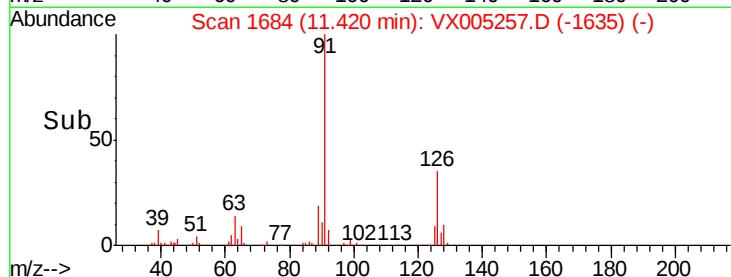
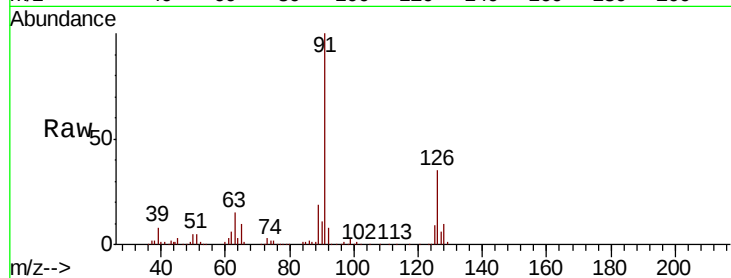
VX1011WBS01

Tot Ion: 91 Resp: 152811

Ion Ratio Lower Upper

91 100

126 35.5 17.6 52.9



#80

1,3,5-Trimethylbenzene

Concen: 19.988 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005257.D

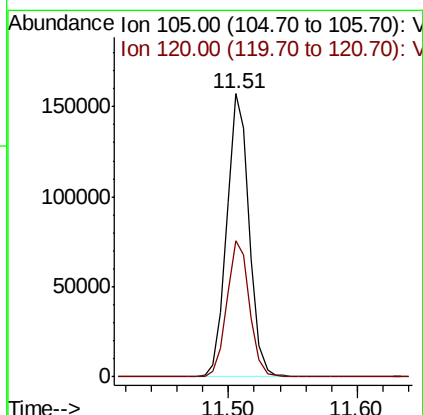
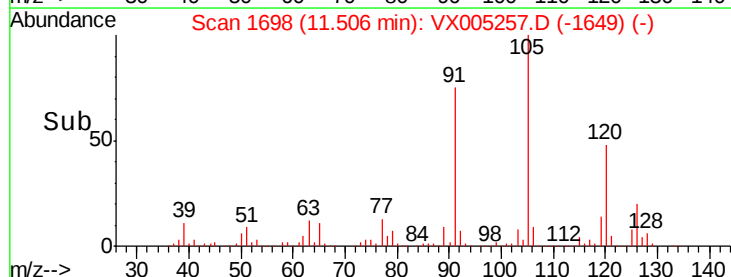
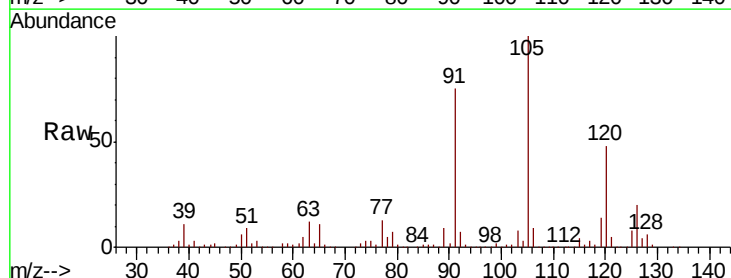
Acq: 11 Oct 2018 16:46

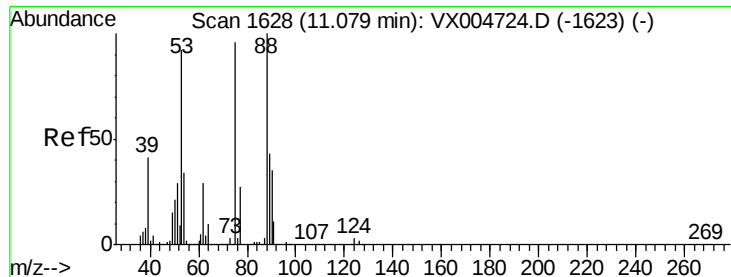
Tgt Ion: 105 Resp: 191571

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.101 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampled :

VX1011WBS01

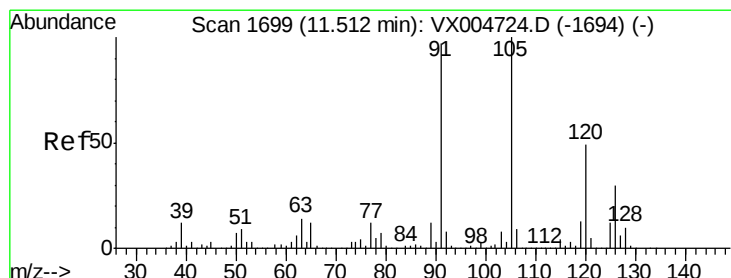
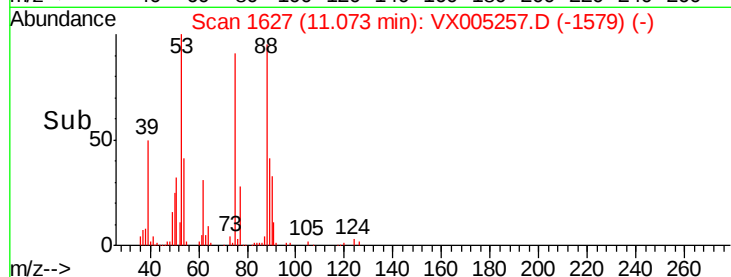
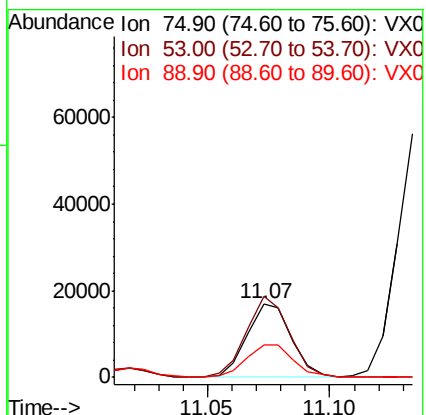
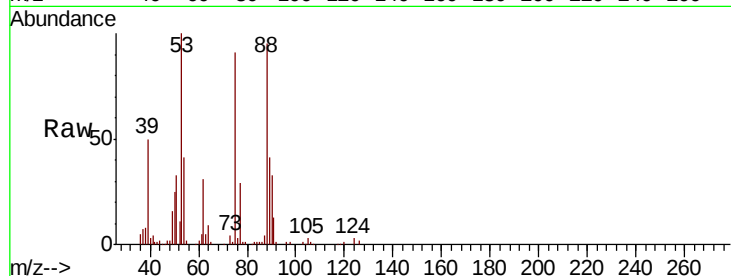
Tot Ion: 75 Resp: 21332

Ion Ratio Lower Upper

75 100

53 109.1 80.2 120.4

89 47.8 37.1 55.7



#82

4-Chlorotoluene

Concen: 20.829 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005257.D

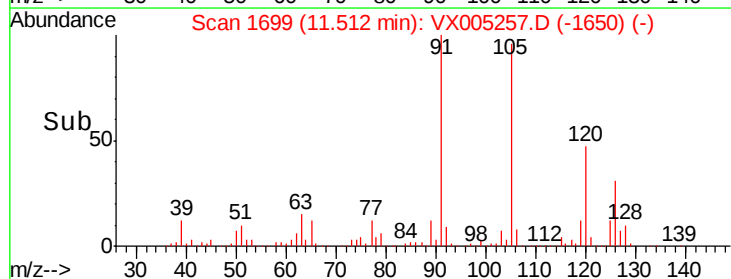
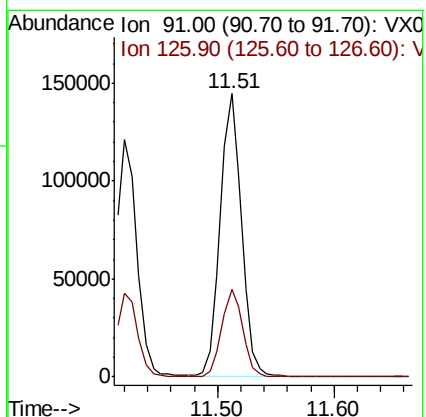
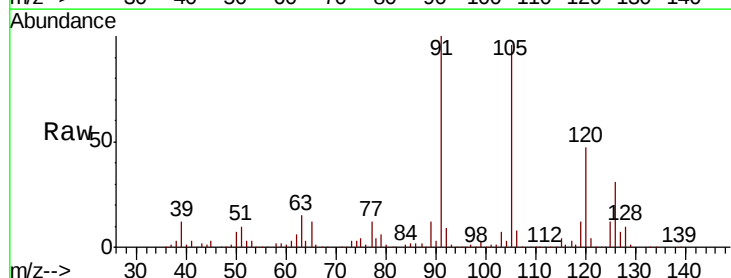
Acq: 11 Oct 2018 16:46

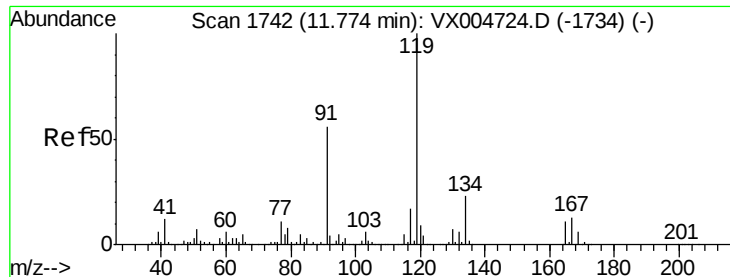
Tgt Ion: 91 Resp: 182275

Ion Ratio Lower Upper

91 100

126 30.7 15.5 46.5

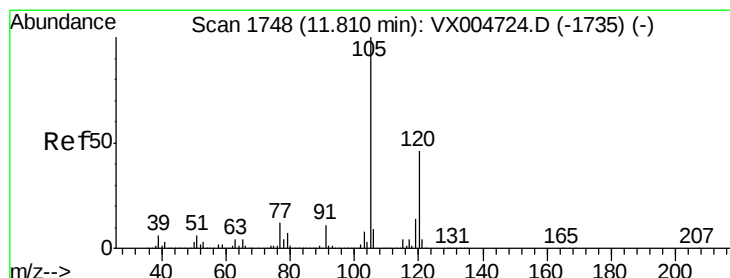
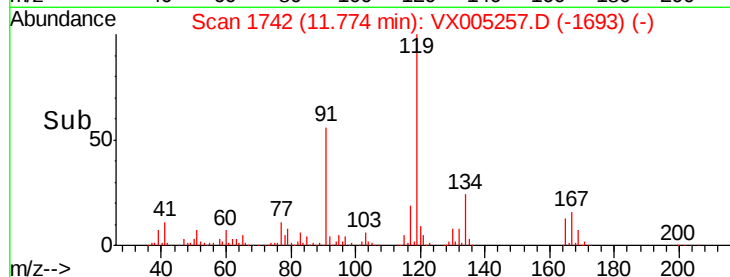
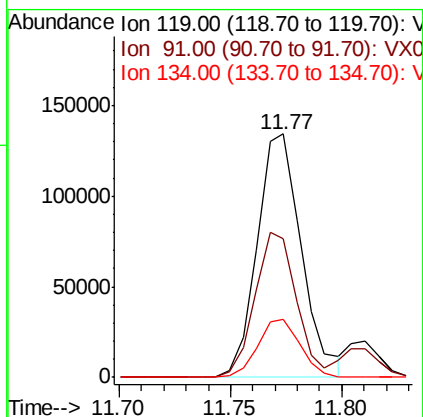
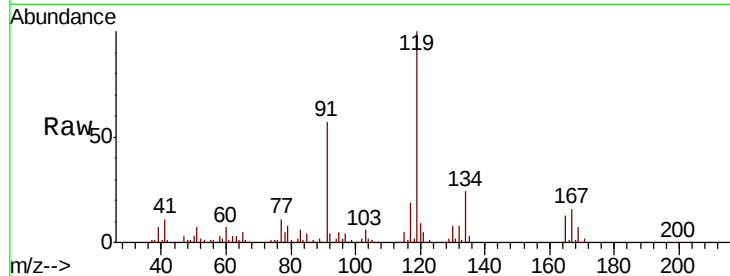




#83
tert-Butylbenzene
Concen: 21.684 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

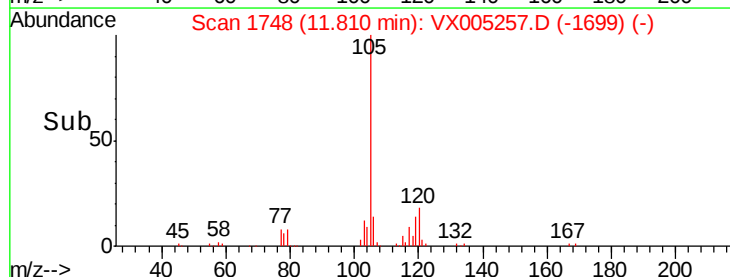
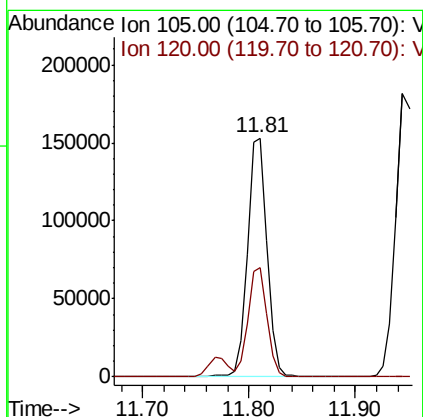
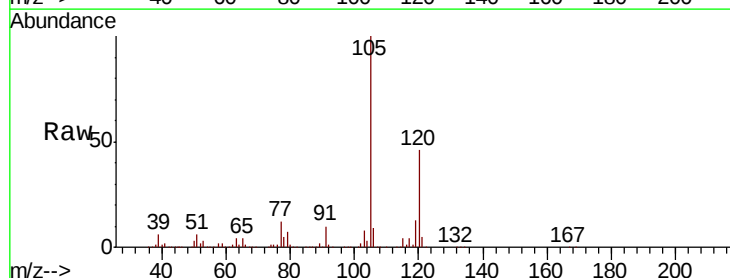
Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion:119 Resp: 185589
Ion Ratio Lower Upper
119 100
91 55.9 27.5 82.5
134 23.0 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 19.966 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion:105 Resp: 197344
Ion Ratio Lower Upper
105 100
120 44.7 22.8 68.3

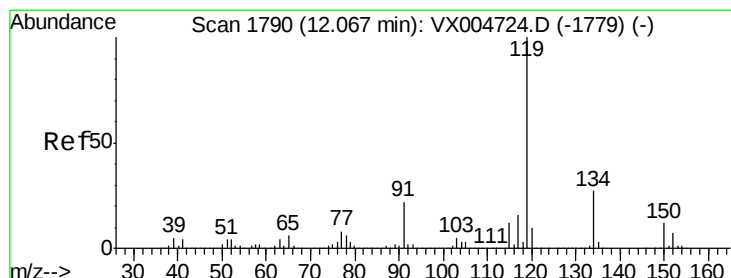
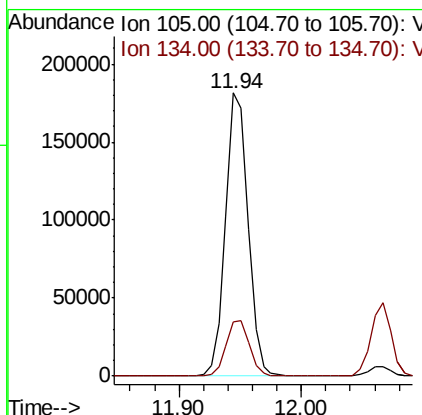
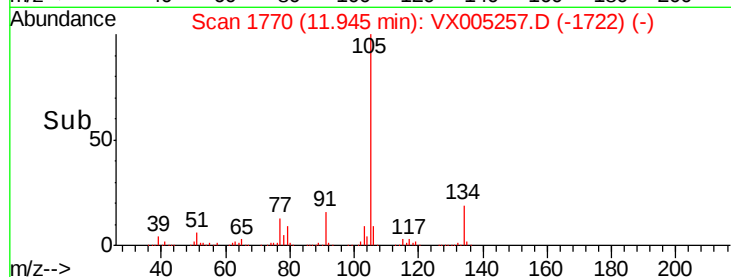
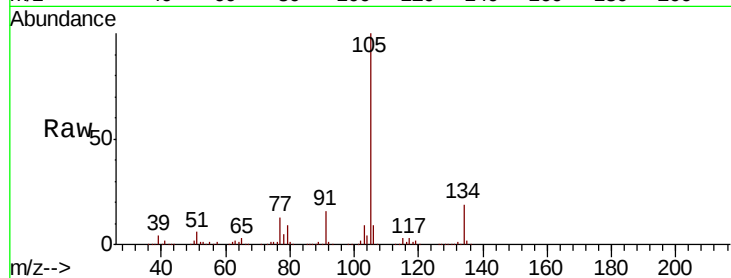




#85
 sec-Butylbenzene
 Concen: 22.090 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

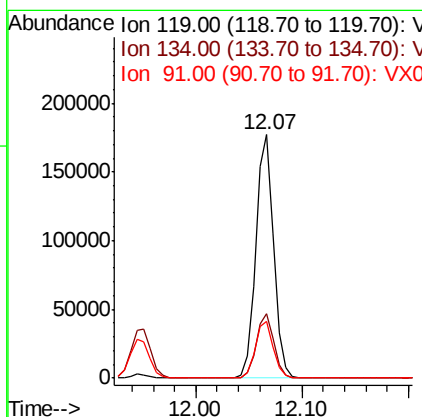
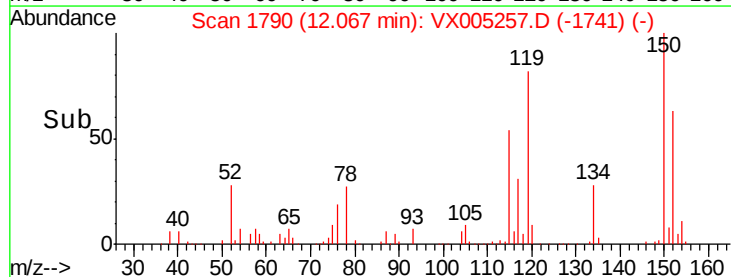
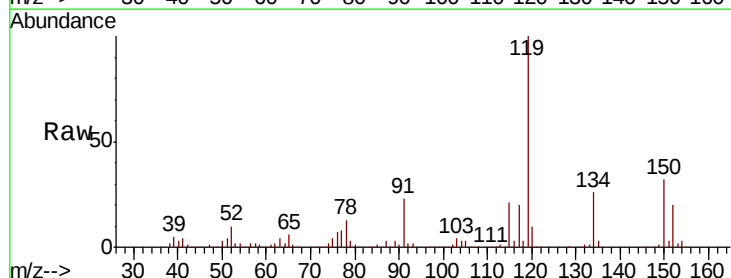
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

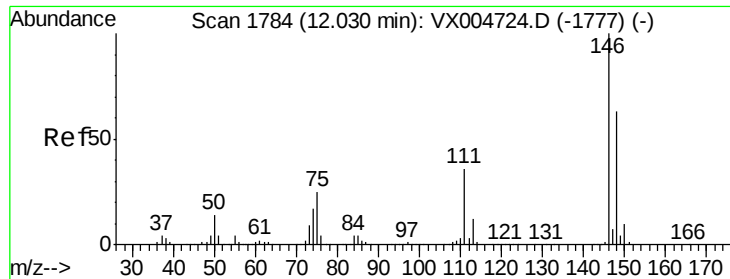
Tot Ion:105 Resp: 230286
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 21.948 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

Tgt Ion:119 Resp: 207300
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.4 40.1
 91 23.4 11.5 34.4

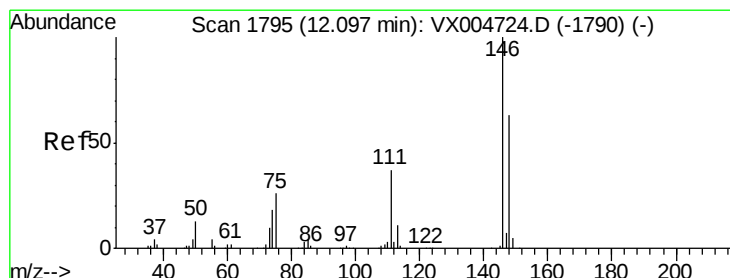
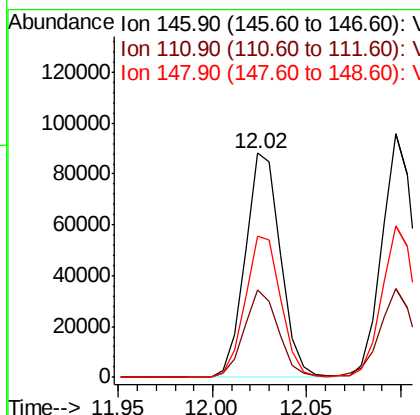
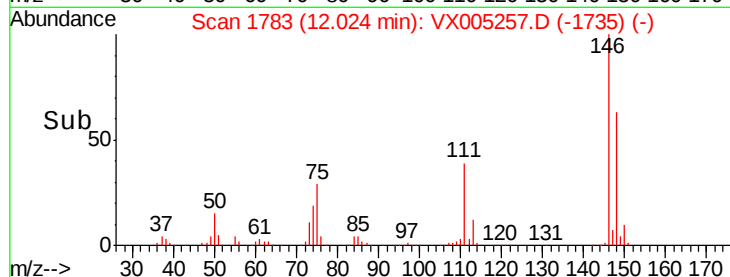
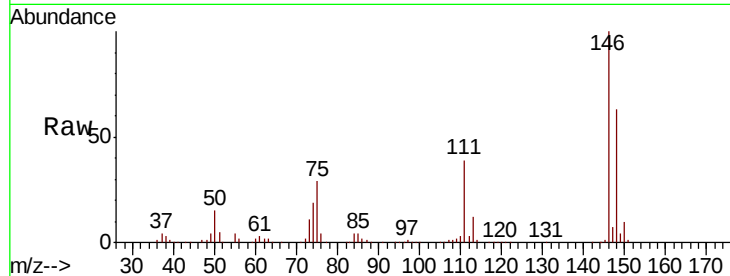




#87
 1,3-Dichlorobenzene
 Concen: 20.280 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

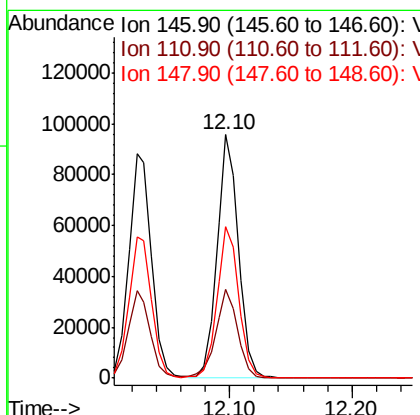
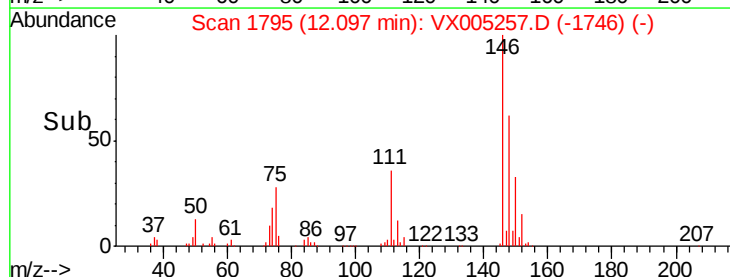
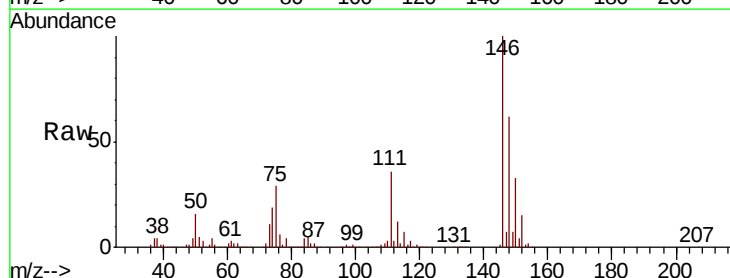
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

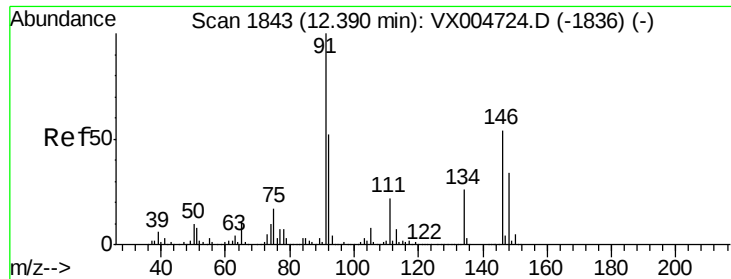
Tot Ion:146 Resp: 114343
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.9 56.9
 148 63.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.963 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

Tgt Ion:146 Resp: 116188
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.4 55.2
 148 63.3 32.0 96.0

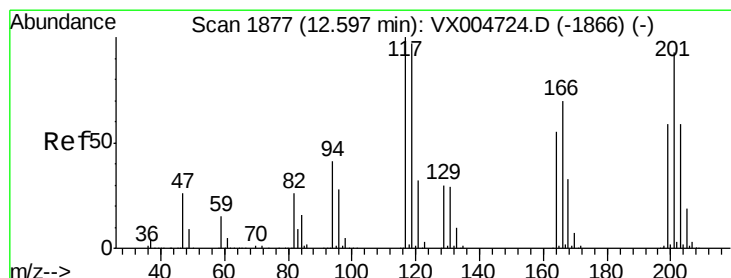
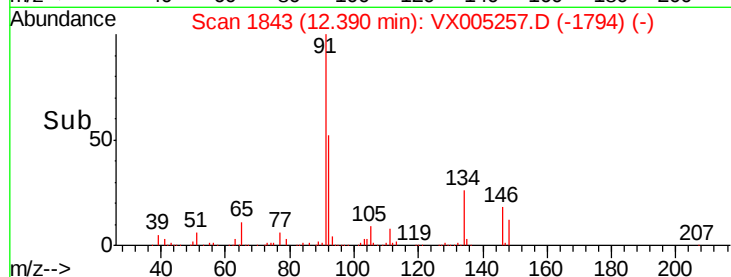
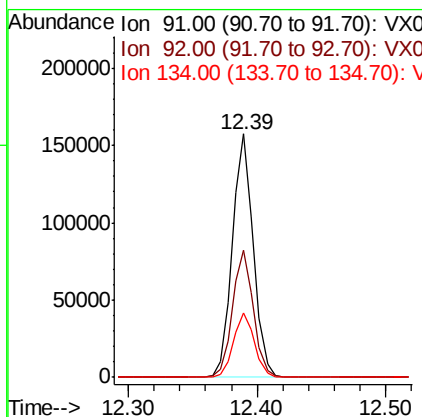
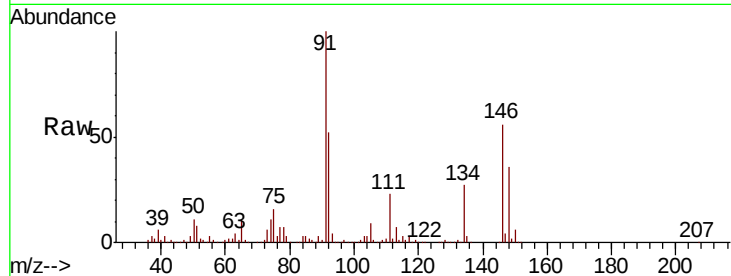




#89
n-Butylbenzene
Concen: 20.923 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

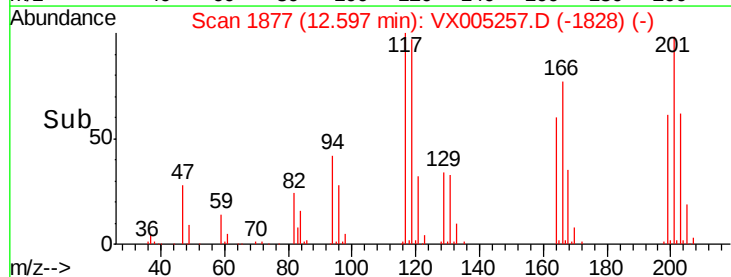
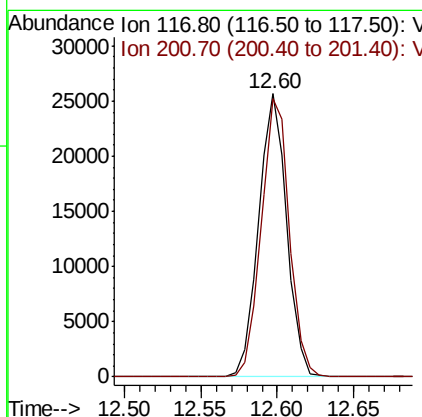
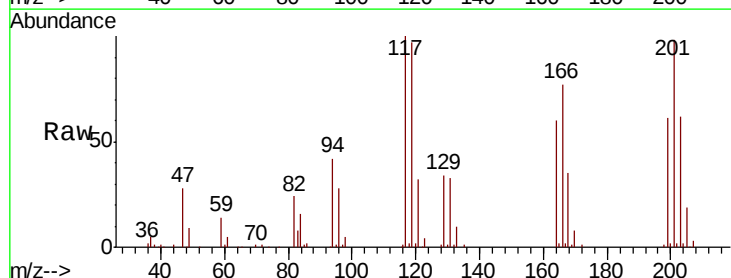
Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

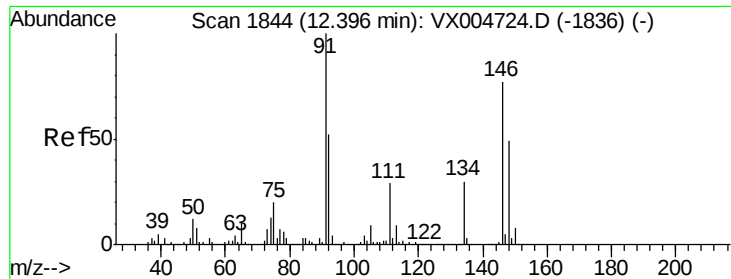
Tot Ion: 91 Resp: 179481
Ion Ratio Lower Upper
91 100
92 51.8 26.0 78.0
134 26.4 13.2 39.6



#90
Hexachloroethane
Concen: 20.806 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion: 117 Resp: 32720
Ion Ratio Lower Upper
117 100
201 98.9 48.4 145.0





#91

1,2-Dichlorobenzene

Concen: 19.173 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

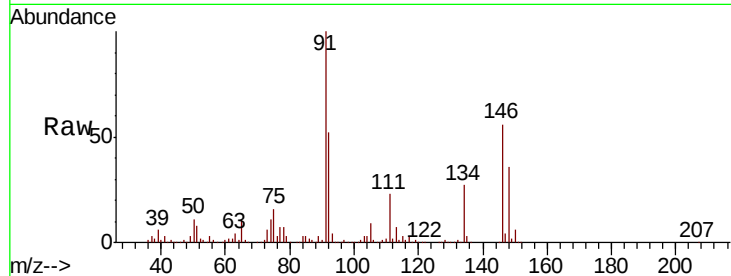
Tot Ion:146 Resp: 112970

Ion Ratio Lower Upper

146 100

111 39.1 19.6 58.7

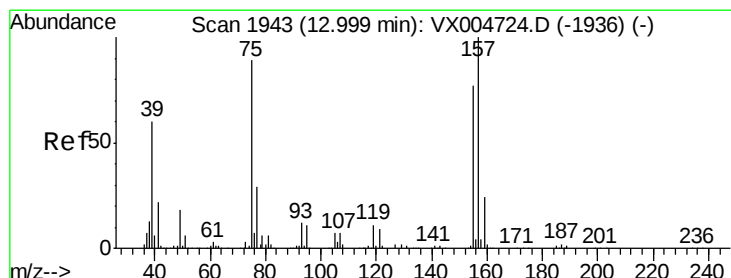
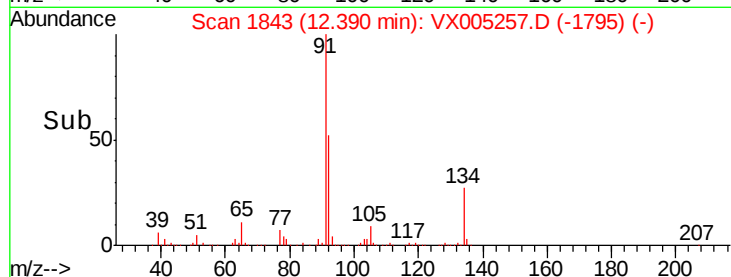
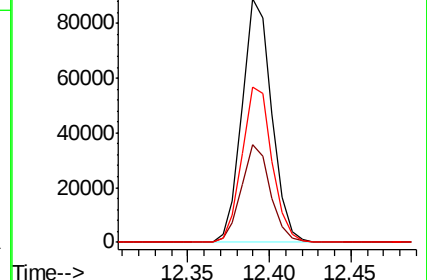
148 65.0 31.8 95.4



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: 19.445 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX005257.D

Acq: 11 Oct 2018 16:46

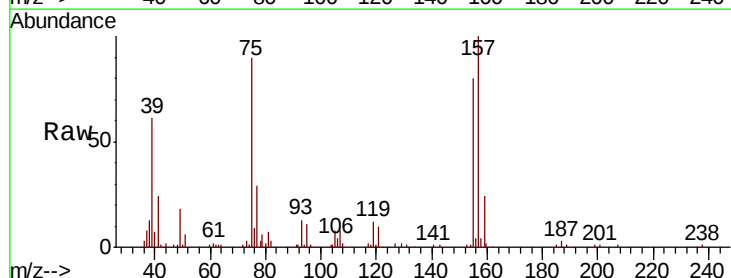
Tgt Ion: 75 Resp: 18067

Ion Ratio Lower Upper

75 100

155 93.2 46.1 138.3

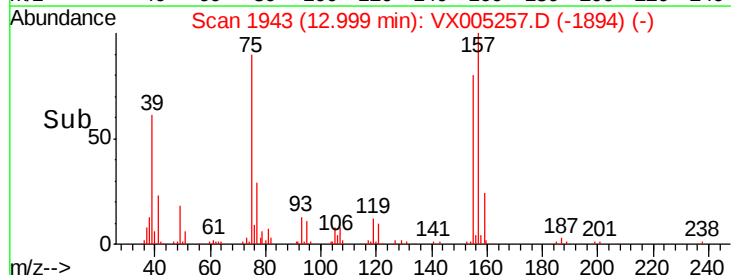
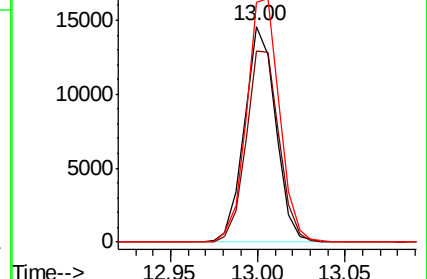
157 118.4 60.2 180.6

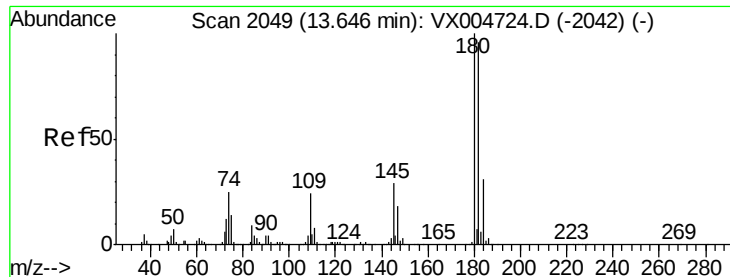


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

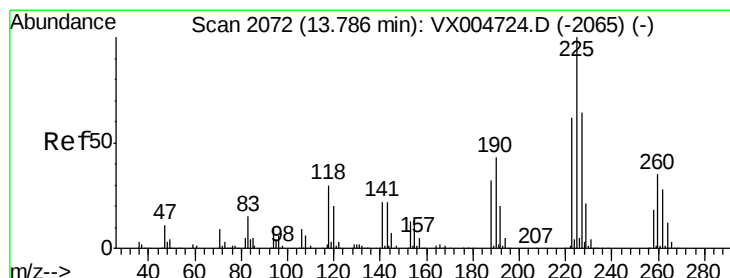
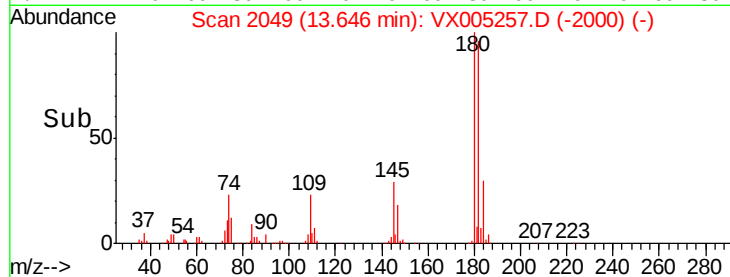
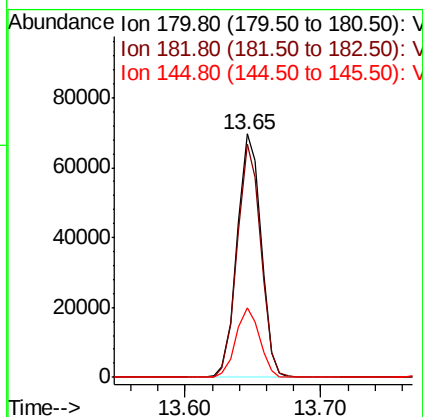
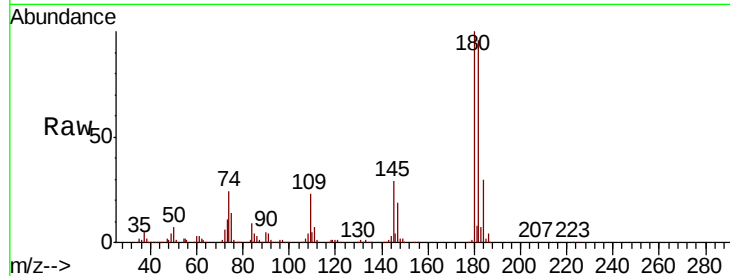




#93
 1,2,4-Trichlorobenzene
 Concen: 20.660 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

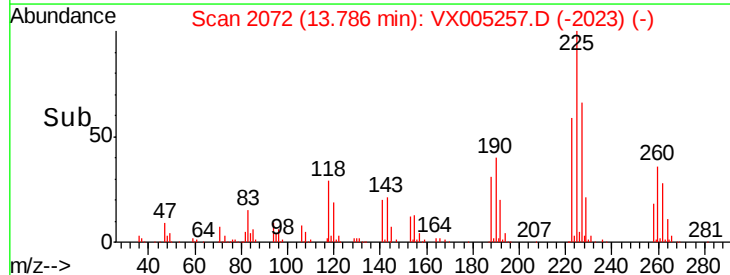
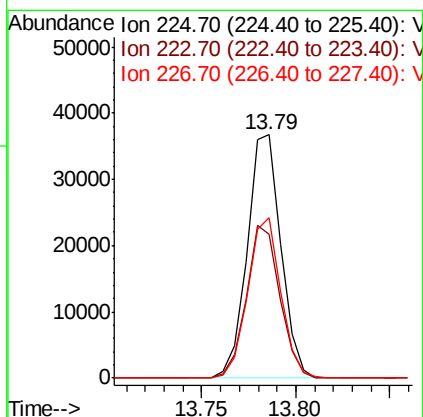
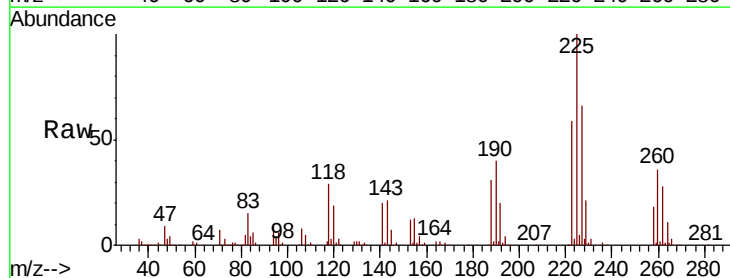
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

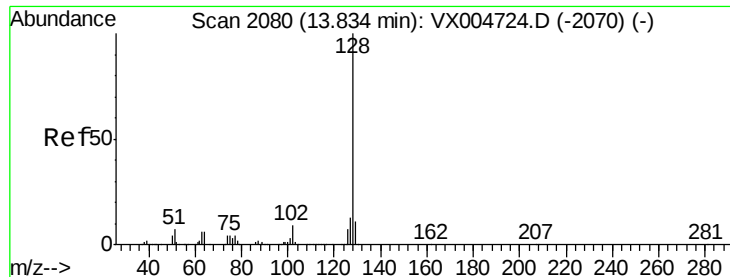
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.8	143.4
145	28.3	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 21.256 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005257.D
 Acq: 11 Oct 2018 16:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.3	93.8
227	64.4	31.9	95.5

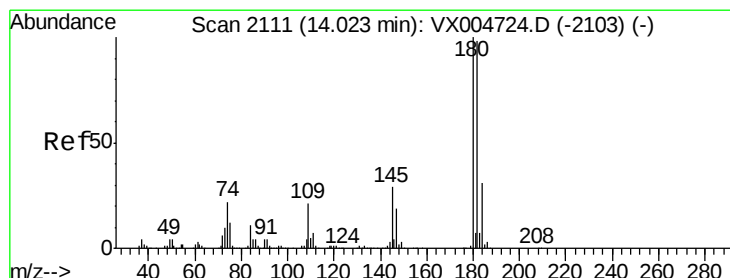
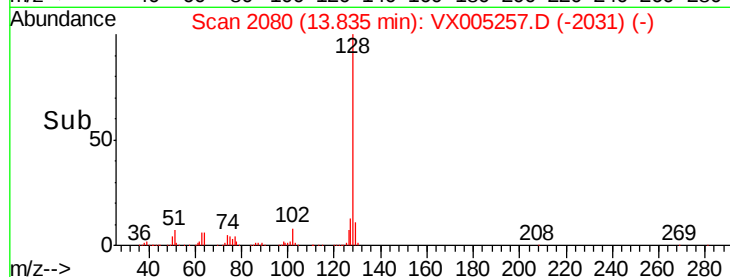
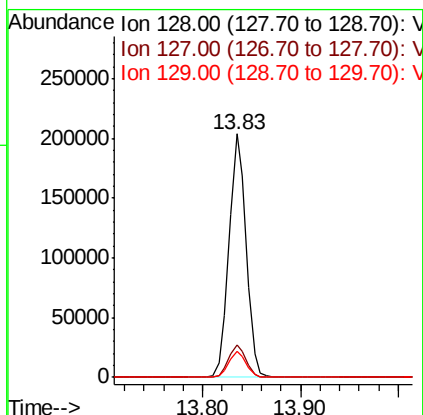
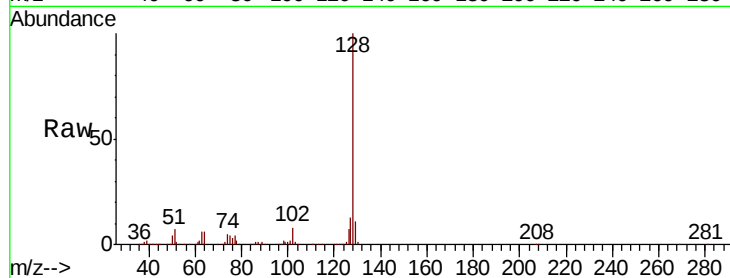




#95
Naphthalene
Concen: 18.496 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion:128 Resp: 247426
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.366 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005257.D
Acq: 11 Oct 2018 16:46

Tgt Ion:180 Resp: 86956
Ion Ratio Lower Upper
180 100
182 96.3 47.9 143.8
145 30.3 15.0 45.0

