

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\
 Data File : VX006431.D
 Acq On : 11 Dec 2018 19:58
 Operator : JC/MD
 Sample : J6334-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 12 04:39:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	752020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1175767	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1101983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	550475	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	384249	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
35) Dibromofluoromethane	5.50	113	351901	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
50) Toluene-d8	8.71	98	1408525	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	11.14	95	537116	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	3.03	59	13889	6.615	ug/l #	73
13) Acrolein	2.27	56	61278	53.402	ug/l #	1
14) Allyl chloride	2.77	41	51208	3.810	ug/l #	26
15) Acrylonitrile	3.17	53	26119	5.962	ug/l #	41
16) Acetone	2.45	43	96123	26.681	ug/l	94
18) Methyl Acetate	2.77	43	51704	4.291	ug/l #	60
20) Methylene Chloride	2.79	84	19085	2.489	ug/l #	14
22) Diisopropyl ether	3.87	45	11504	0.548	ug/l #	54
23) Vinyl Acetate	3.81	43	15771	0.881	ug/l #	80
25) 2-Butanone	4.70	43	37915	7.376	ug/l	94
26) 2,2-Dichloropropane	4.40	77	21285	1.922	ug/l #	52
29) Tetrahydrofuran	5.19	42	3230	0.904	ug/l #	31
30) Chloroform	5.28	83	52844	4.190	ug/l #	22
31) Cyclohexane	5.58	56	3078590	277.586	ug/l	97
36) 1,1-Dichloropropene	5.66	75	48892	4.938	ug/l #	48
37) Ethyl Acetate	4.70	43	37915	3.419	ug/l #	69
38) Carbon Tetrachloride	5.67	117	70404	6.044	ug/l #	16
39) Methylcyclohexane	7.46	83	3524179	274.210	ug/l	99
40) Benzene	6.15	78	8675951	292.565	ug/l	100
41) Methacrylonitrile	5.07	41	6870	1.126	ug/l #	22
42) 1,2-Dichloroethane	6.14	62	66235	6.824	ug/l #	73
43) Isopropyl Acetate	6.45	43	55597	3.007	ug/l #	60
44) Trichloroethene	7.22	130	2473	0.275	ug/l	89
45) 1,2-Dichloropropane	7.46	63	29186	3.872	ug/l #	1
46) Dibromomethane	7.64	93	1784	0.328	ug/l #	1
47) Bromodichloromethane	7.95	83	68835	6.530	ug/l #	26
48) Methyl methacrylate	7.79	41	15108	1.680	ug/l #	12
49) 1,4-Dioxane	7.73	88	155	0.699	ug/l #	1
51) 4-Methyl-2-Pentanone	8.71	43	34162	3.174	ug/l	92
52) Toluene	8.79	92	719261	36.867	ug/l	100
55) 1,1,2-Trichloroethane	9.16	97	236495	29.838	ug/l #	18
56) Ethyl methacrylate	9.16	69	51913	4.190	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.38	63	1509	0.240	ug/l	100
59) 2-Hexanone	9.49	43	7562	0.920	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

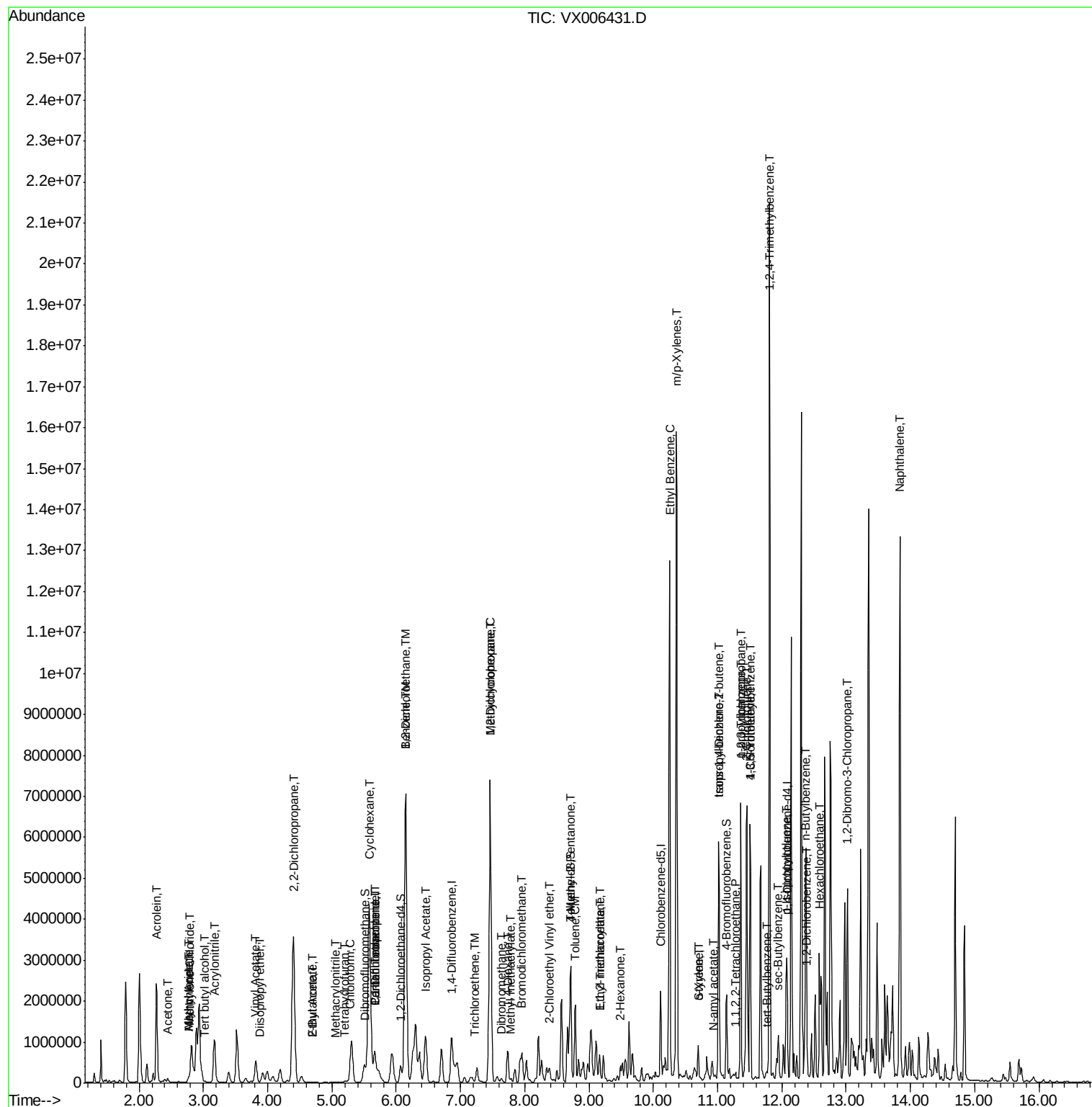
67) Ethyl Benzene	10.26	91	7636010	196.265	ug/l	97
68) m/p-Xylenes	10.36	106	3830858	245.806	ug/l	97
69) o-Xylene	10.70	106	194042	12.605	ug/l	99
70) Styrene	10.70	104	9762	0.392	ug/l #	1
73) Isopropylbenzene	11.02	105	2965830	78.017	ug/l	100
74) N-amyl acetate	10.94	43	40177	2.454	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.27	83	11513	0.947	ug/l #	38
76) 1,2,3-Trichloropropane	11.36	75	22661	2.133	ug/l #	1
78) n-propylbenzene	11.36	91	4040679	95.620	ug/l	100
79) 2-Chlorotoluene	11.46	91	428022	17.042	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	2654064	83.911	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	32033	7.075	ug/l #	54
82) 4-Chlorotoluene	11.51	91	267645	9.165	ug/l #	42
83) tert-Butylbenzene	11.77	119	73225	2.170	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	8939841	273.720	ug/l	96
85) sec-Butylbenzene	11.94	105	564307	14.698	ug/l	97
86) p-Isopropyltoluene	12.07	119	641607	18.559	ug/l	99
89) n-Butylbenzene	12.38	91	887839	30.099	ug/l #	28
90) Hexachloroethane	12.59	117	156906	22.269	ug/l #	5
91) 1,2-Dichlorobenzene	12.40	146	7548	0.405	ug/l	84
92) 1,2-Dibromo-3-Chloropropan	13.02	75	12433	3.988	ug/l #	1
95) Naphthalene	13.83	128	8222877	194.485	ug/l	98

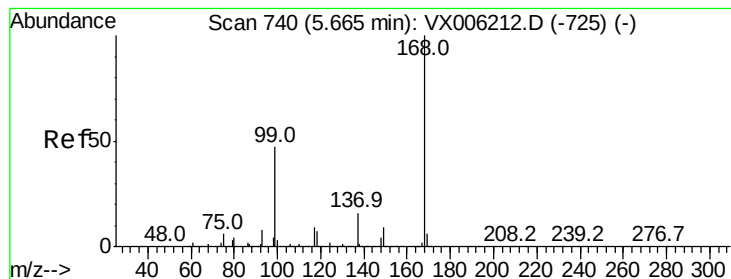
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

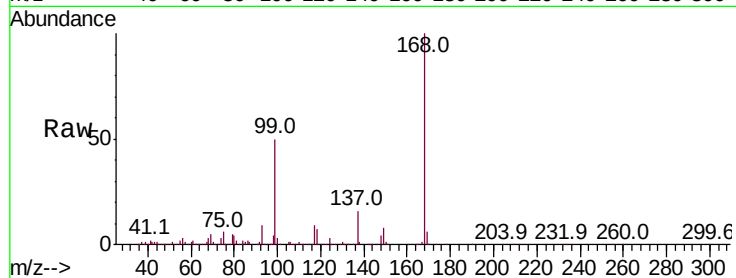
ClientSampleId :

Tot Ion:168 Resp: 752020

Ion Ratio Lower Upper

168 100

99 49.7 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

300000

250000

200000

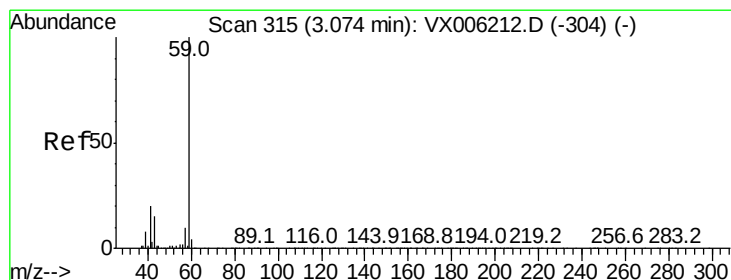
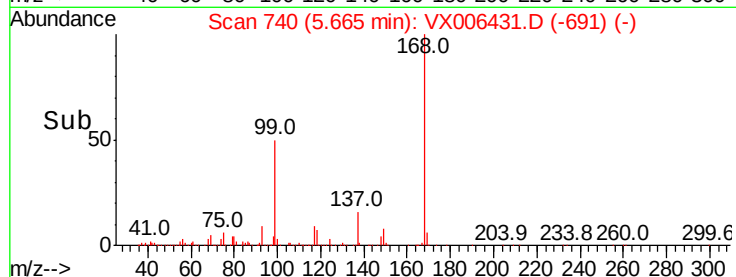
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 6.615 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX006431.D

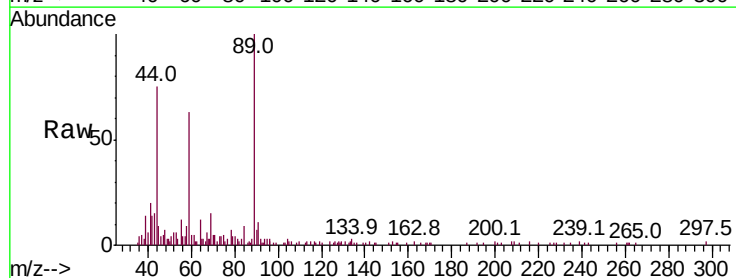
Acq: 11 Dec 2018 19:58

Tgt Ion: 59 Resp: 13889

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

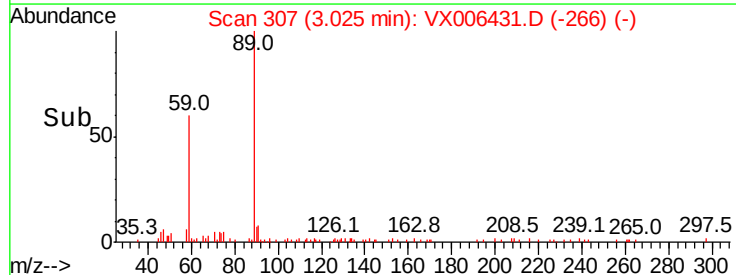
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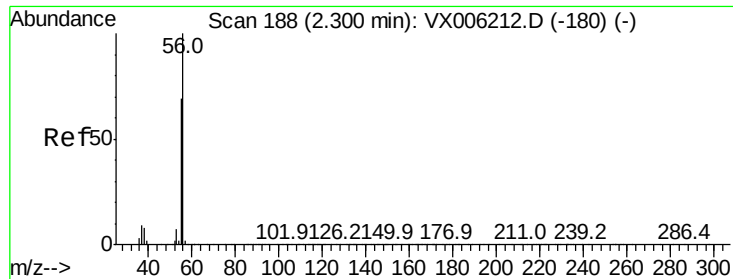
200000

100000

0

Time--> 2.90 3.00 3.10

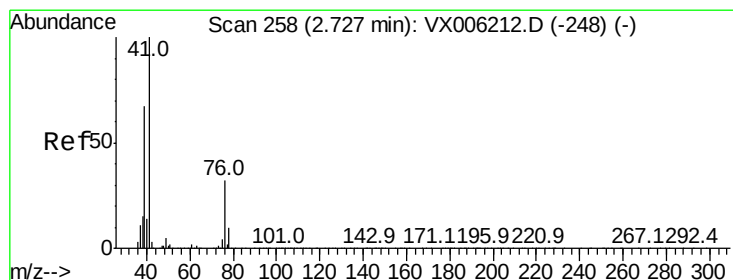
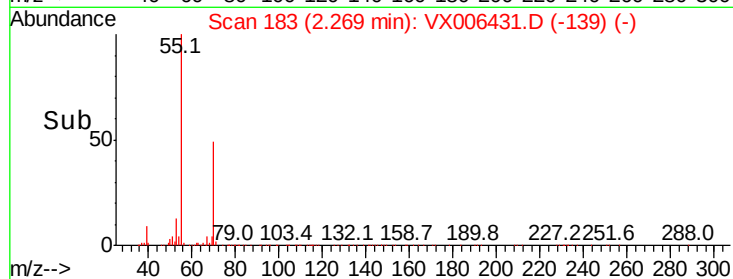
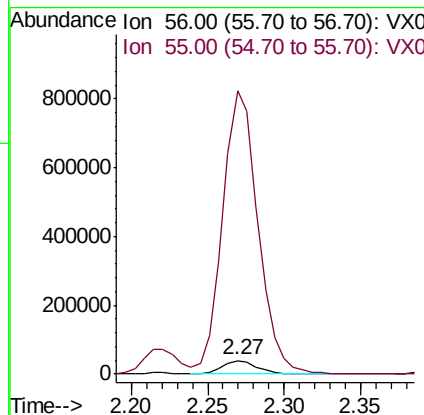
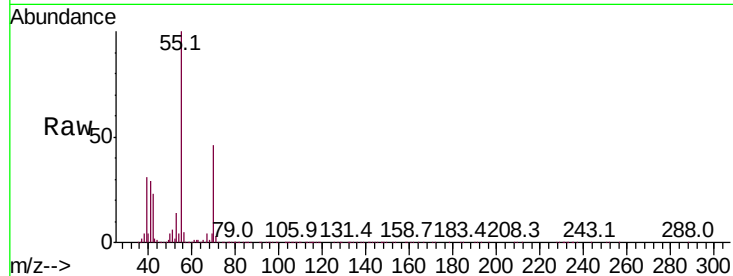




#13
 Acrolein
 Concen: 53.402 ug/l
 RT: 2.27 min Scan# 183
 Delta R.T. -0.03 min
 Lab File: VX006431.D
 Acq: 11 Dec 2018 19:58

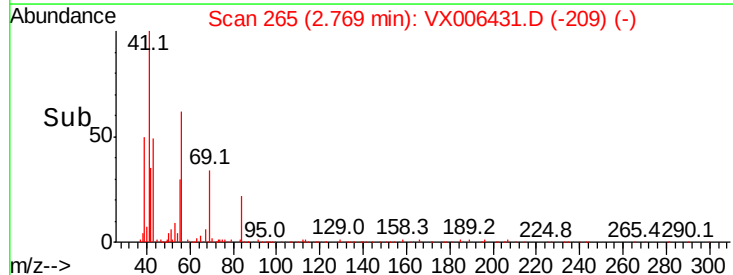
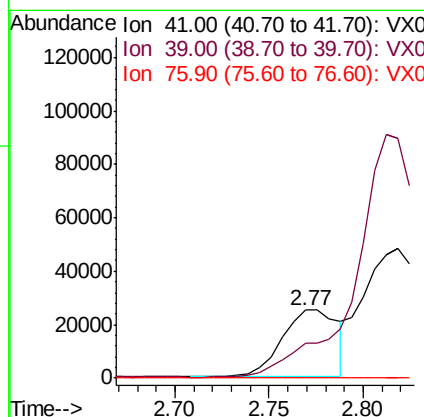
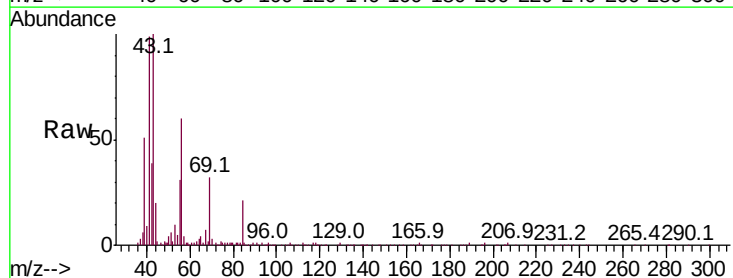
Instrument :
 MSVOA_X
 ClientSampleId :

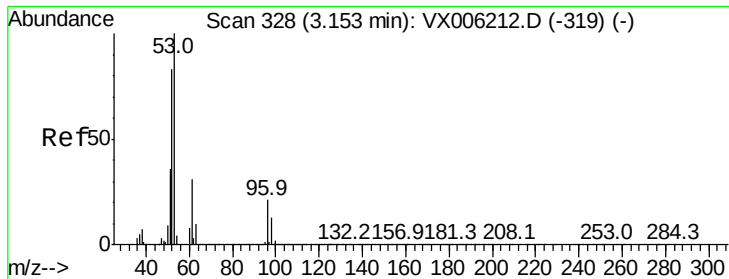
Tot Ion: 56 Resp: 61278
 Ion Ratio Lower Upper
 56 100
 55 2156.5 57.8 86.6#



#14
 Allyl chloride
 Concen: 3.810 ug/l
 RT: 2.77 min Scan# 265
 Delta R.T. 0.04 min
 Lab File: VX006431.D
 Acq: 11 Dec 2018 19:58

Tgt Ion: 41 Resp: 51208
 Ion Ratio Lower Upper
 41 100
 39 0.0 52.4 78.6#
 76 0.0 25.4 38.0#





#15

Acrylonitrile

Concen: 5.962 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampled :

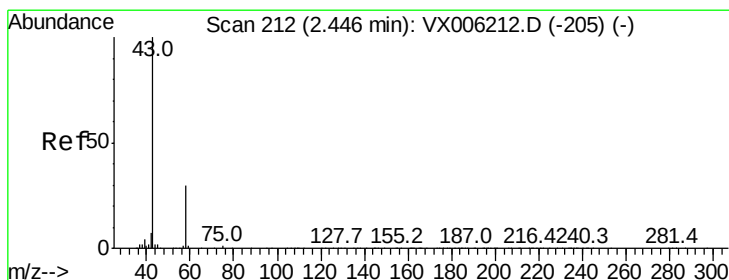
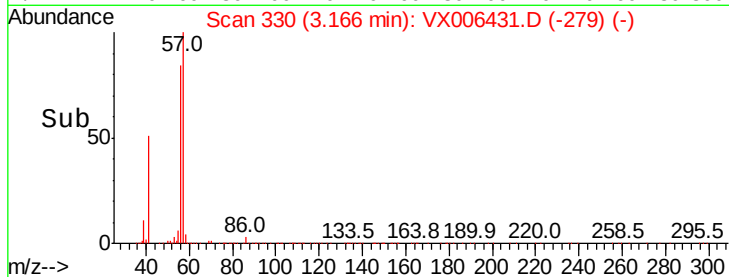
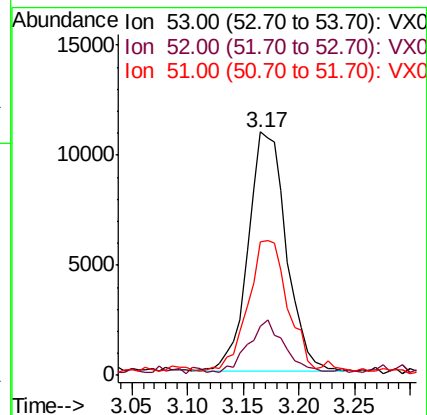
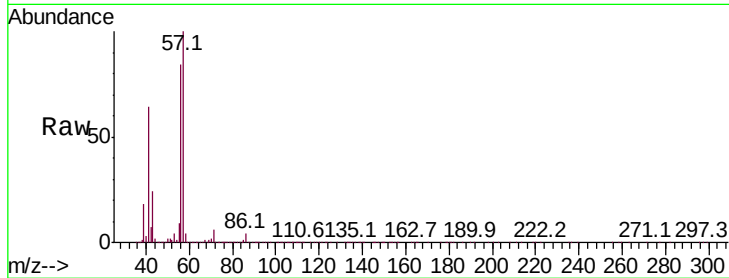
Tot Ion: 53 Resp: 26119

Ion Ratio Lower Upper

53 100

52 20.1 66.2 99.4#

51 55.4 28.7 43.1#



#16

Acetone

Concen: 26.681 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006431.D

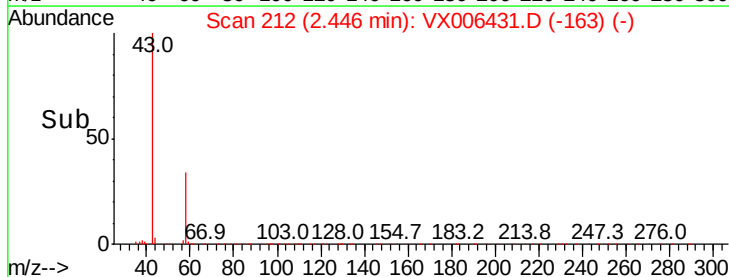
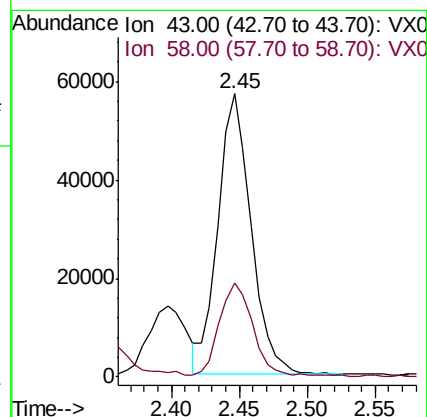
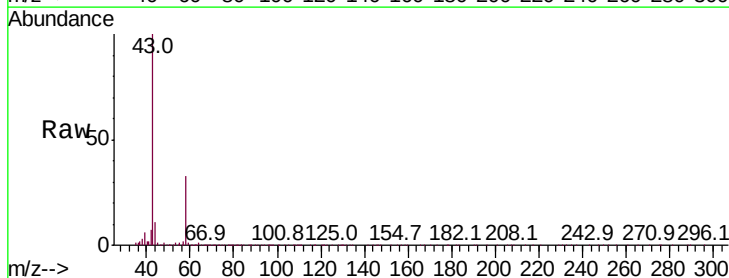
Acq: 11 Dec 2018 19:58

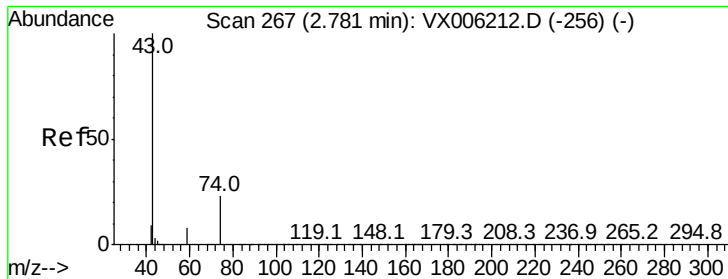
Tgt Ion: 43 Resp: 96123

Ion Ratio Lower Upper

43 100

58 33.2 24.0 36.0

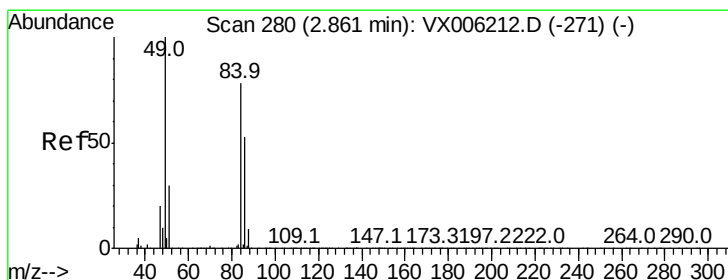
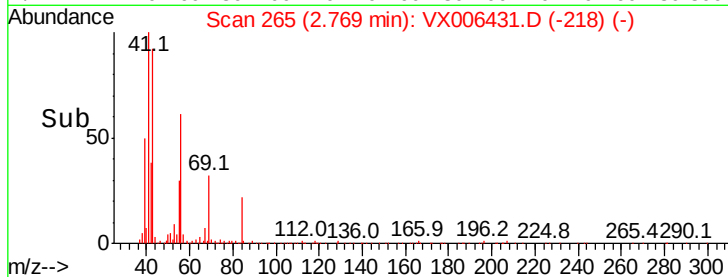
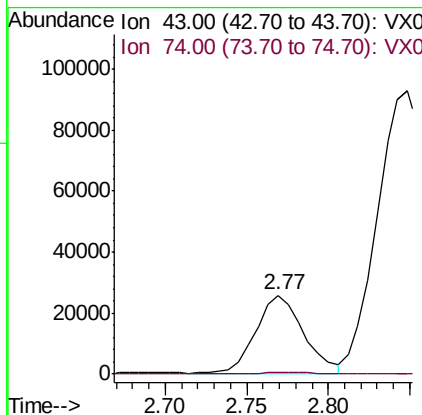
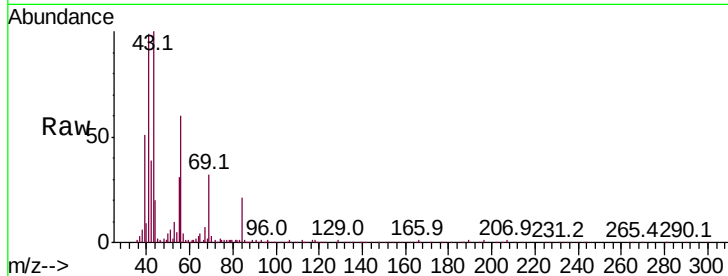




#18
Methvl Acetate
Concen: 4.291 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

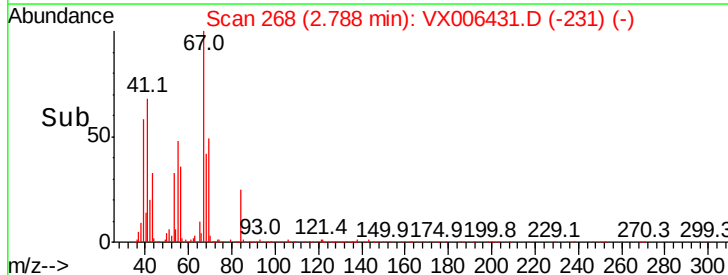
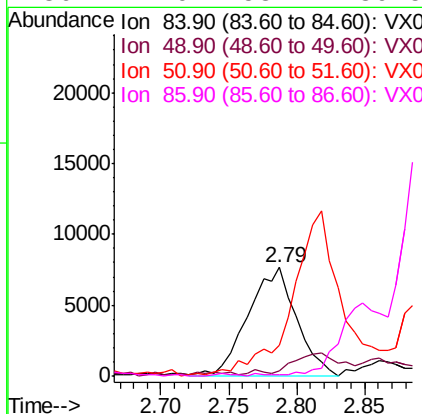
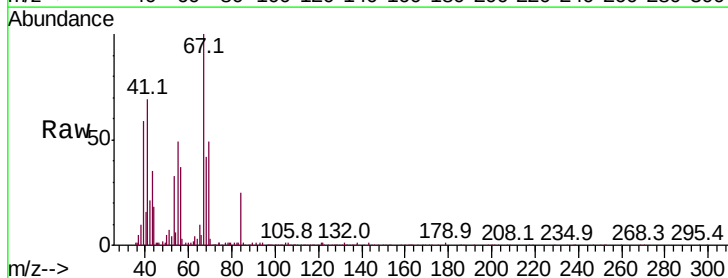
Instrument :
MSVOA_X
ClientSampleId :

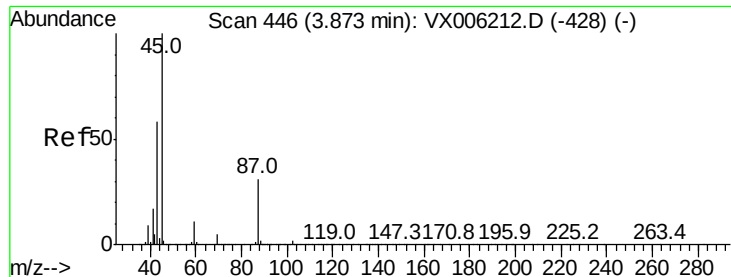
Tot Ion: 43 Resp: 51704
Ion Ratio Lower Upper
43 100
74 3.1 17.9 26.9#



#20
Methylene Chloride
Concen: 2.489 ug/l
RT: 2.79 min Scan# 268
Delta R.T. -0.07 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

Tgt Ion: 84 Resp: 19085
Ion Ratio Lower Upper
84 100
49 3.5 102.2 153.4#
51 26.7 31.1 46.7#
86 1.0 53.7 80.5#





#22

Diisopropyl ether

Concen: 0.548 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 45 Resp: 11504

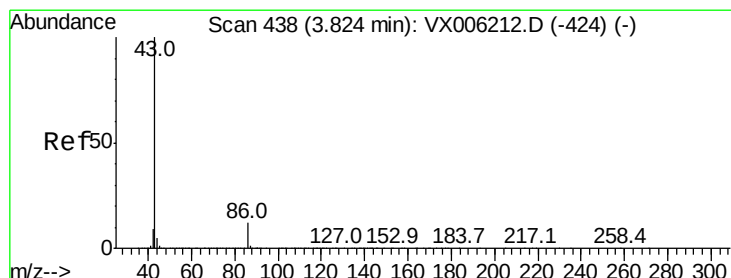
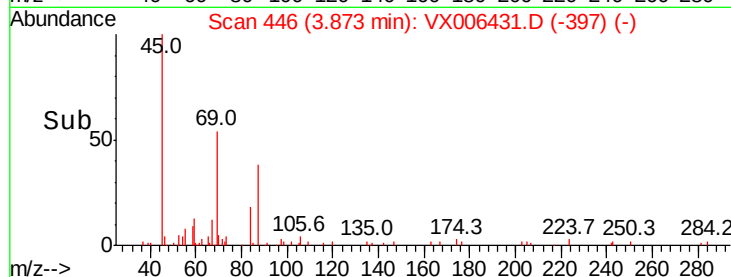
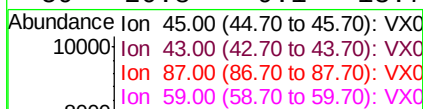
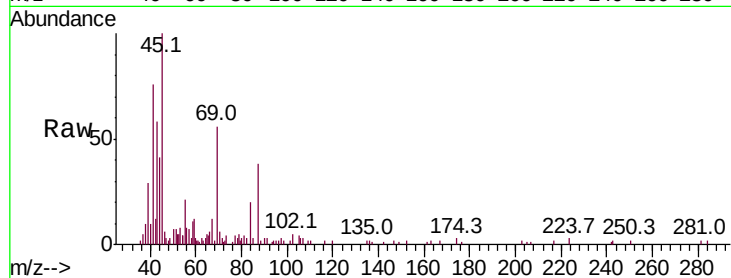
Ion Ratio Lower Upper

45 100

43 7.7 46.2 69.2#

87 39.3 24.9 37.3#

59 20.8 9.1 13.7#



#23

Vinyl Acetate

Concen: 0.881 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX006431.D

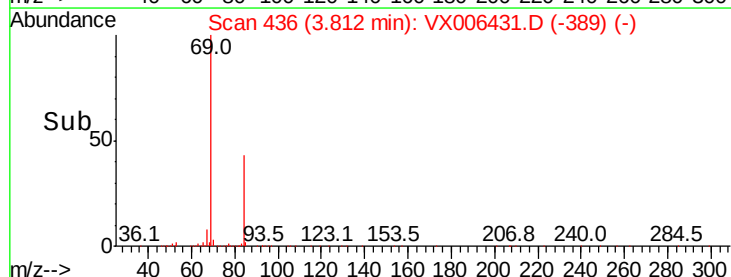
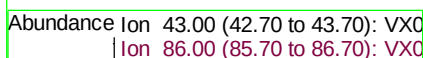
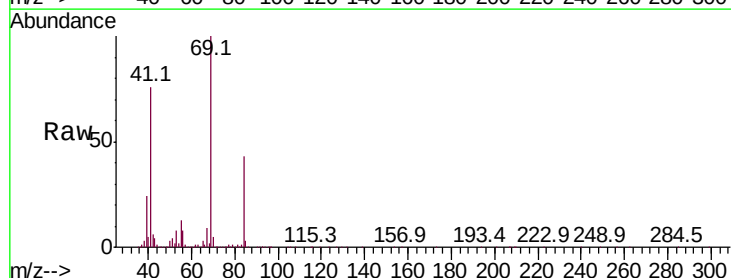
Acq: 11 Dec 2018 19:58

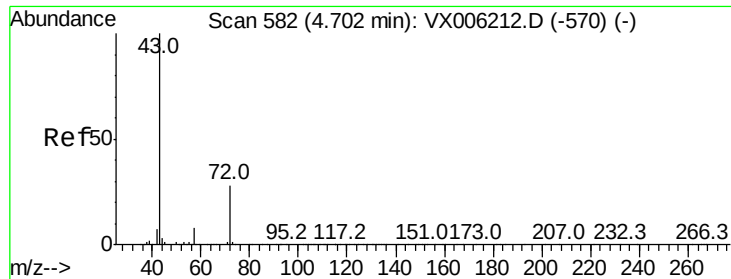
Tgt Ion: 43 Resp: 15771

Ion Ratio Lower Upper

43 100

86 3.9 9.4 14.0#





#25

2-Butanone

Concen: 7.376 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

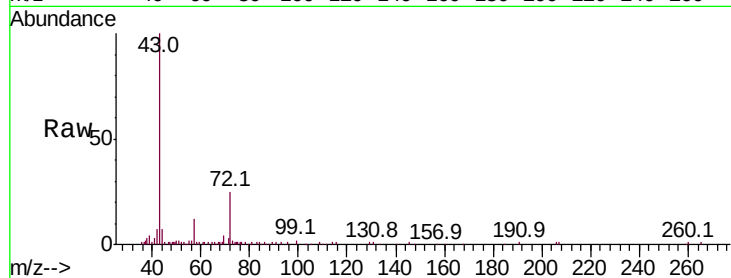
ClientSampleId :

Tot Ion: 43 Resp: 37915

Ion Ratio Lower Upper

43 100

72 25.0 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

15000

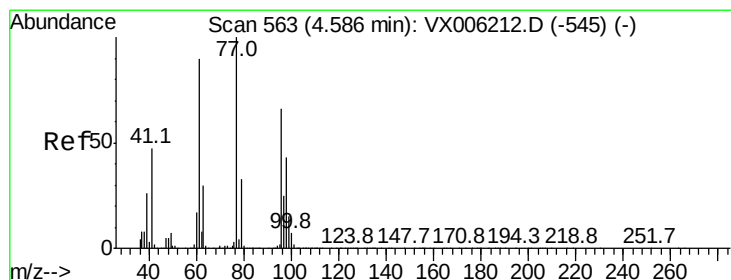
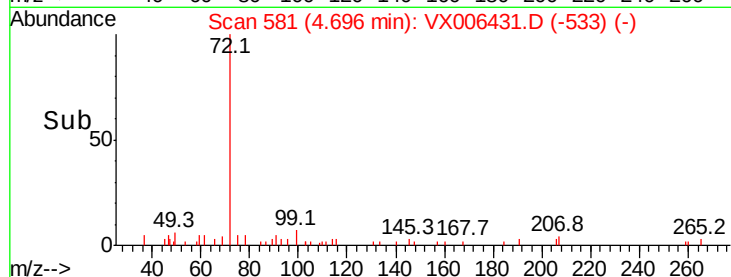
10000

5000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 1.922 ug/l

RT: 4.40 min Scan# 532

Delta R.T. -0.19 min

Lab File: VX006431.D

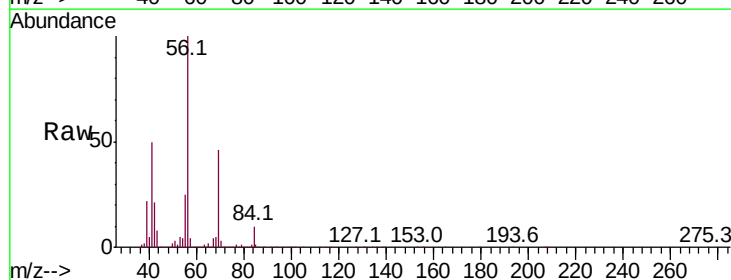
Acq: 11 Dec 2018 19:58

Tgt Ion: 77 Resp: 21285

Ion Ratio Lower Upper

77 100

97 0.7 12.3 36.8#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

8000

6000

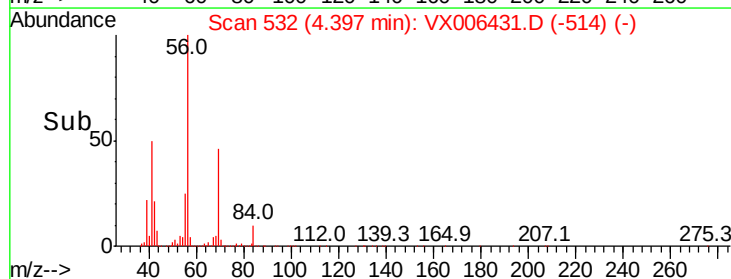
4000

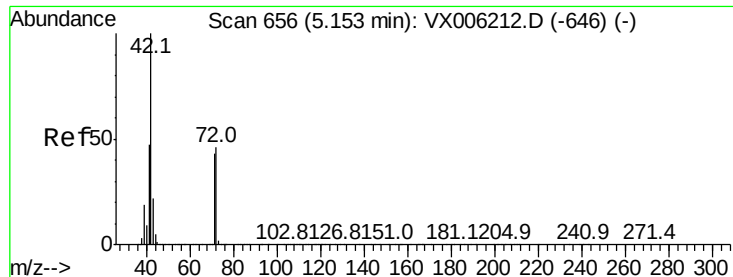
2000

0

4.30 4.40 4.50

Time-->

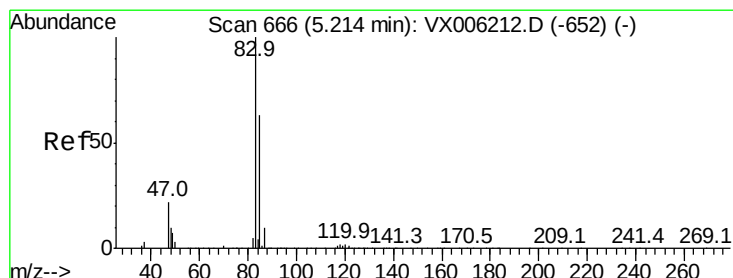
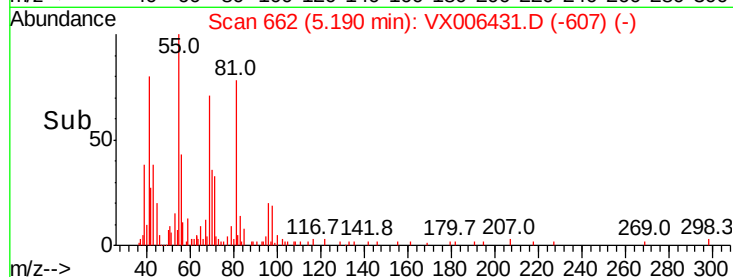
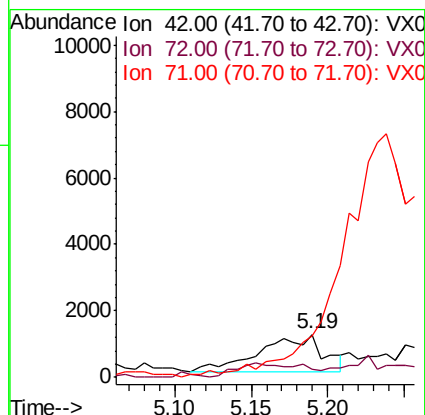
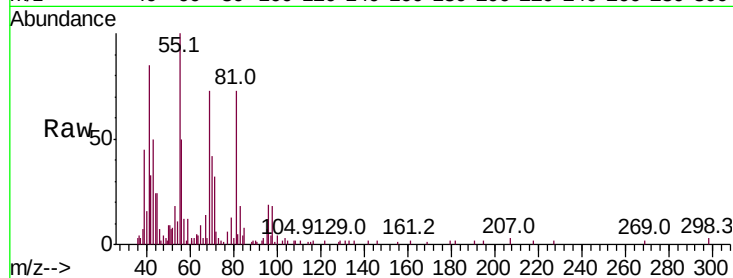




#29
Tetrahydrofuran
Concen: 0.904 ug/l
RT: 5.19 min Scan# 662
Delta R.T. 0.04 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

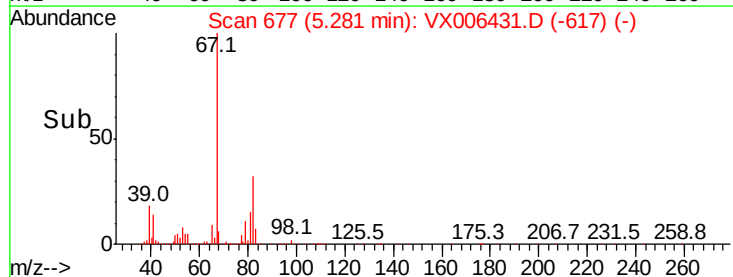
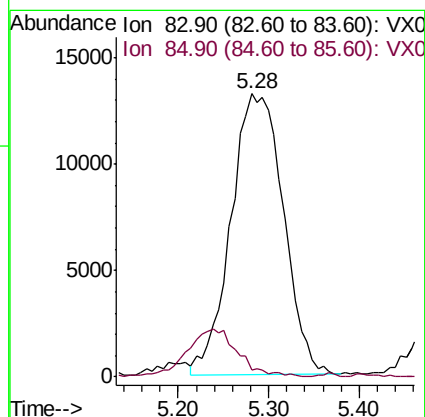
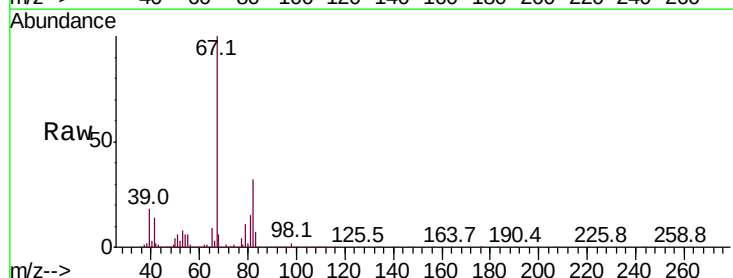
Instrument :
MSVOA_X
ClientSampleId :

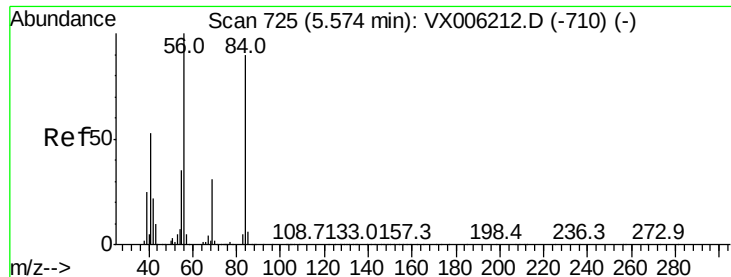
Tot Ion: 42 Resp: 3230
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.8#
71 0.0 35.2 52.8#



#30
Chloroform
Concen: 4.190 ug/l
RT: 5.28 min Scan# 677
Delta R.T. 0.07 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

Tgt Ion: 83 Resp: 52844
Ion Ratio Lower Upper
83 100
85 2.5 50.3 75.5#

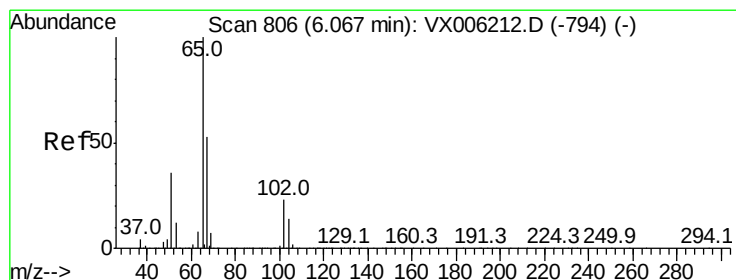
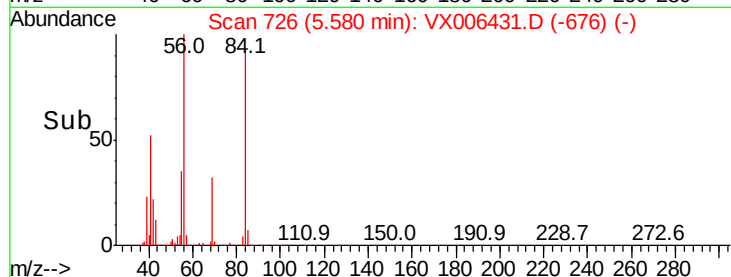
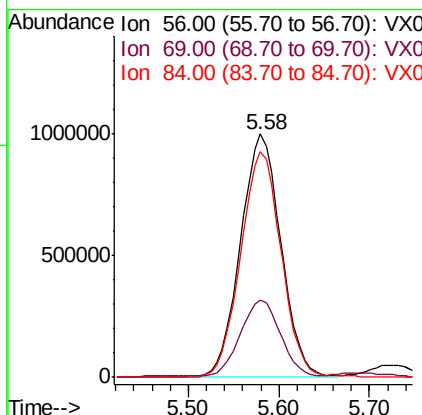
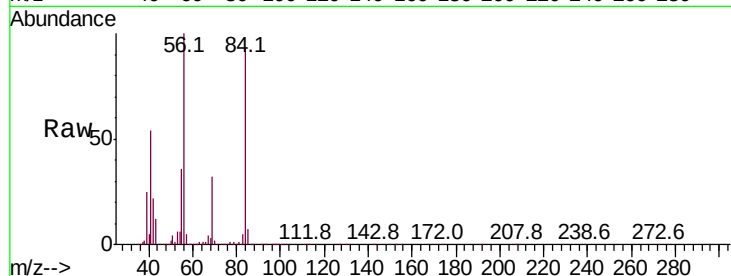




#31
Cyclohexane
Concen: 277.586 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

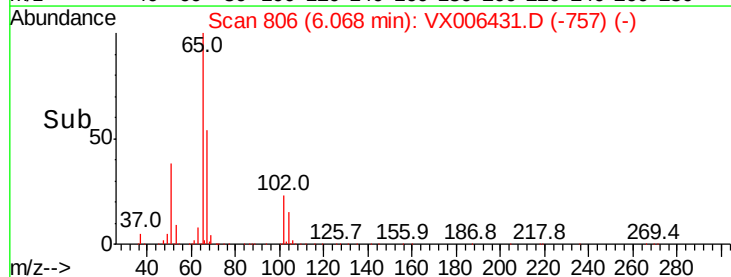
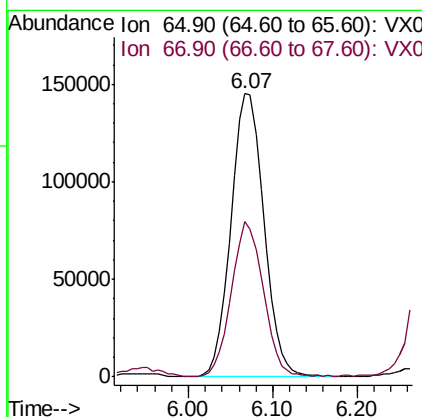
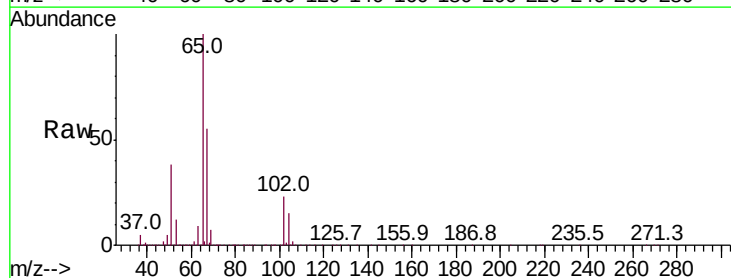
Instrument :
MSVOA_X
ClientSampled :

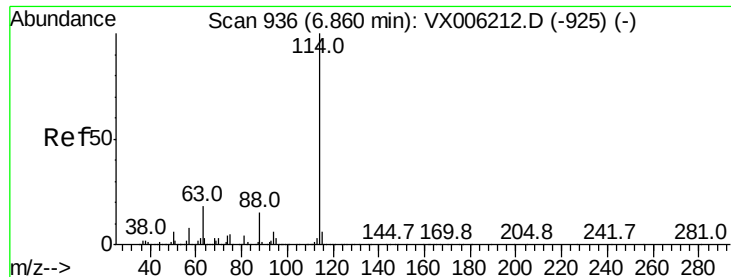
Tot Ion: 56 Resp: 3078590
Ion Ratio Lower Upper
56 100
69 31.4 24.5 36.7
84 92.9 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 50.052 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

Tgt Ion: 65 Resp: 384249
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

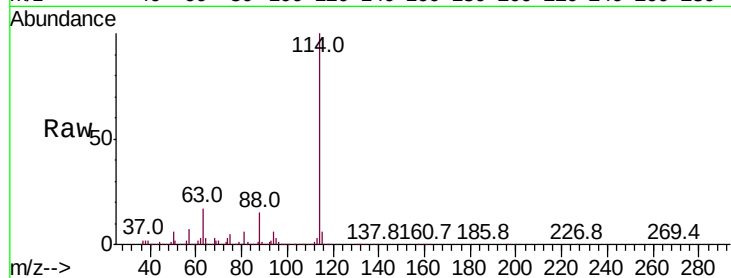
Tot Ion:114 Resp: 1175767

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.6

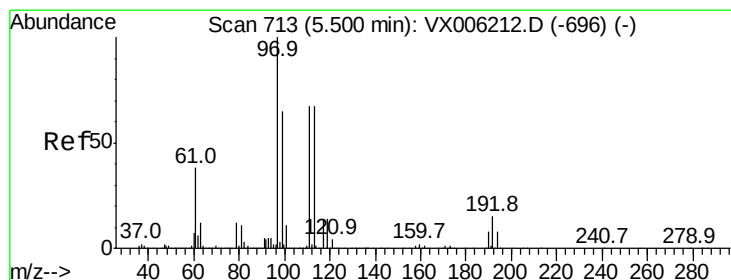
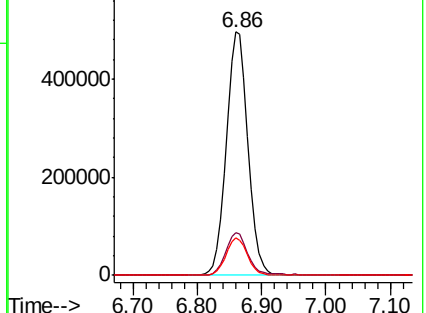
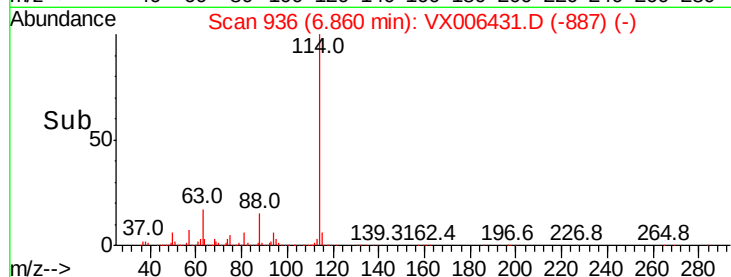
88 15.4 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.226 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

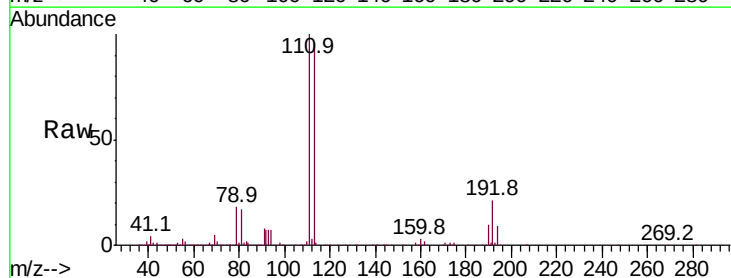
Tgt Ion:113 Resp: 351901

Ion Ratio Lower Upper

113 100

111 103.1 81.1 121.7

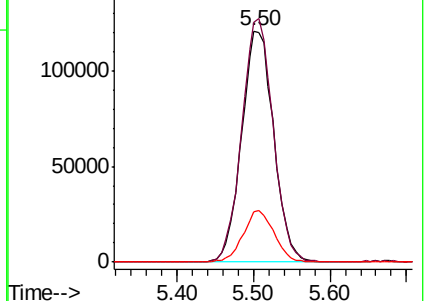
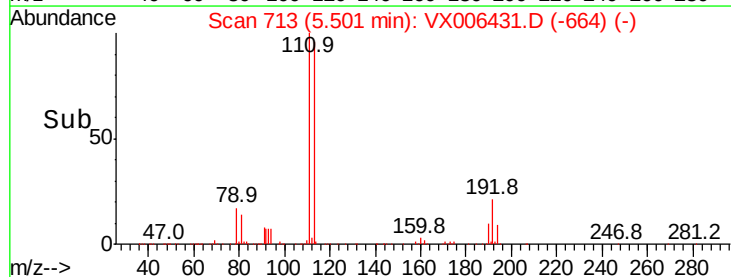
192 21.5 18.2 27.2

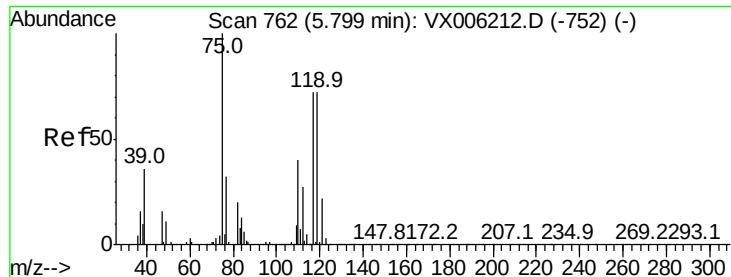


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

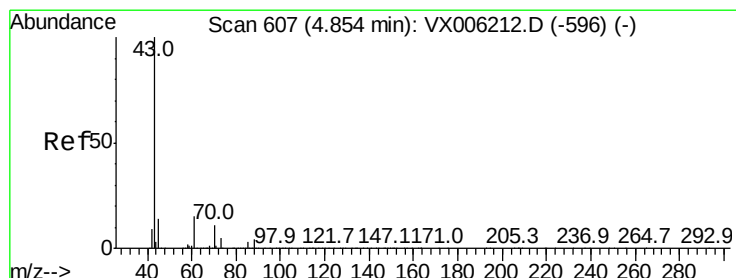
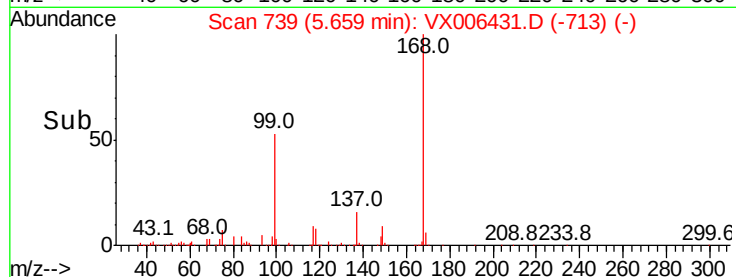
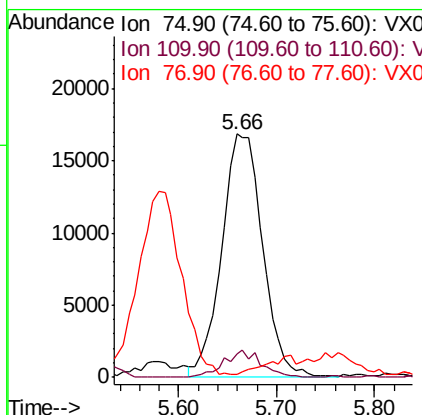
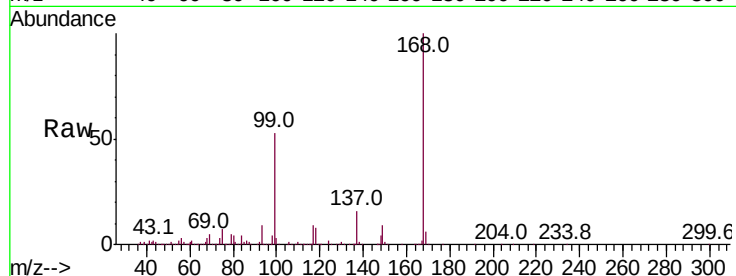




#36
 1,1-Dichloropropene
 Concen: 4.938 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006431.D
 Acq: 11 Dec 2018 19:58

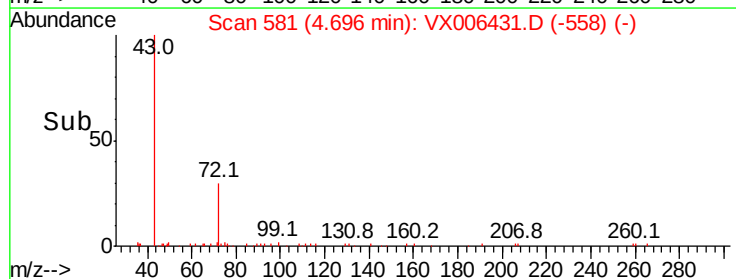
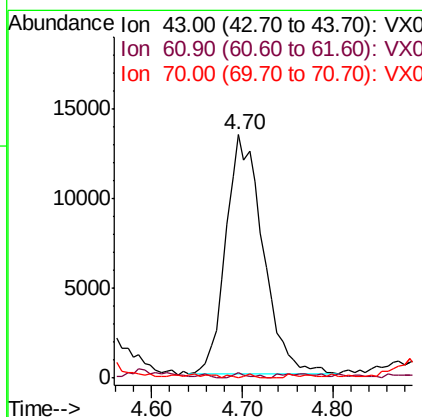
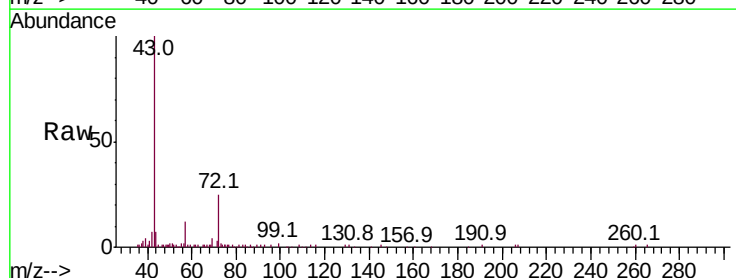
Instrument :
 MSVOA_X
 ClientSampled :

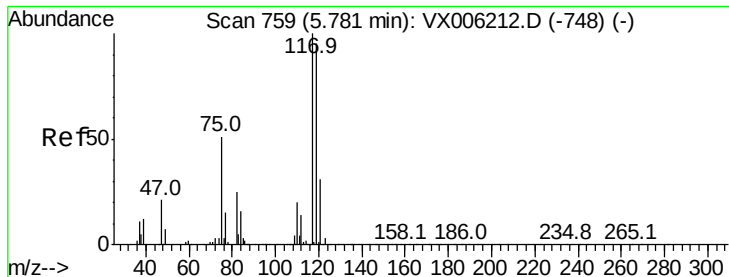
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	20.4	61.3#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 3.419 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. -0.16 min
 Lab File: VX006431.D
 Acq: 11 Dec 2018 19:58

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.7	11.5	17.3#
70	0.4	9.0	13.6#





#38

Carbon Tetrachloride

Concen: 6.044 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

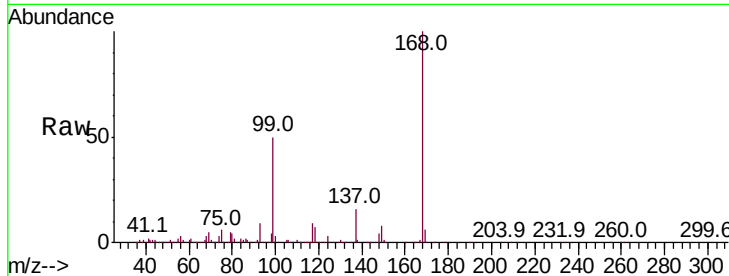
Tot Ion:117 Resp: 70404

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

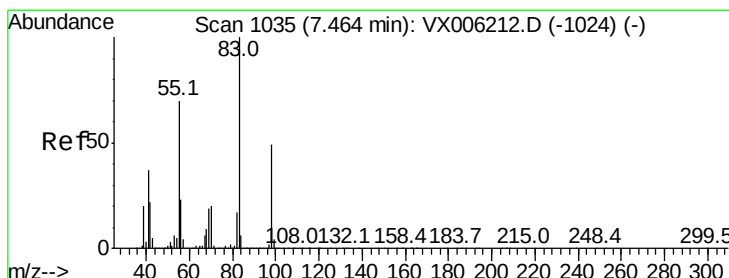
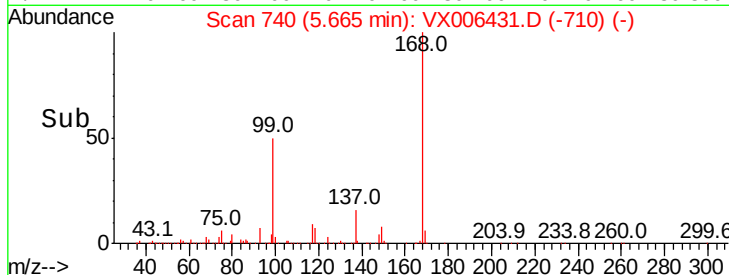
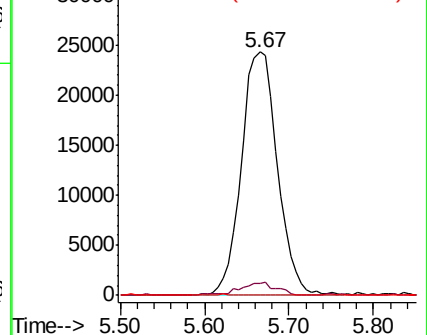
121 0.3 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 274.210 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

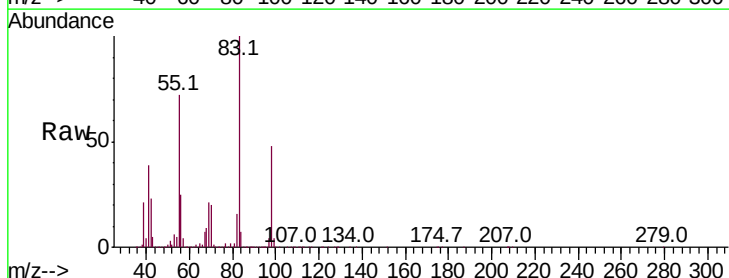
Tgt Ion: 83 Resp: 3524179

Ion Ratio Lower Upper

83 100

55 71.4 56.4 84.6

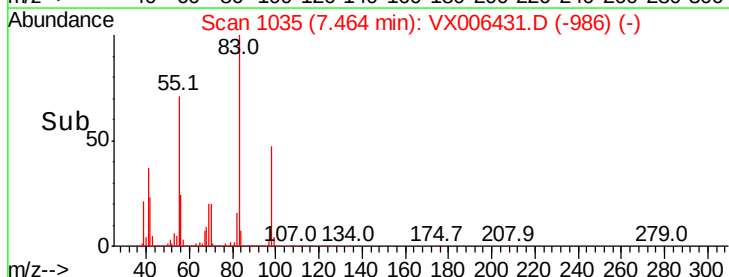
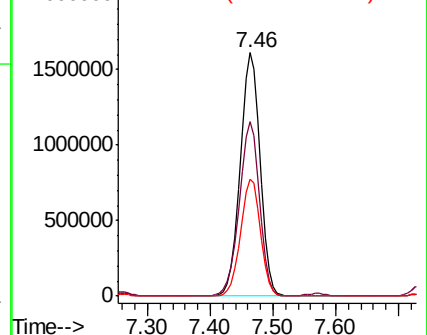
98 47.8 39.0 58.6

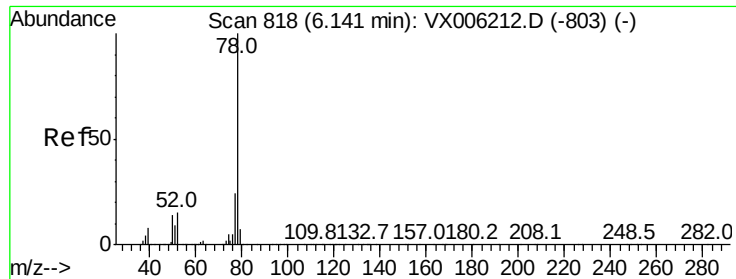


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 292.565 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

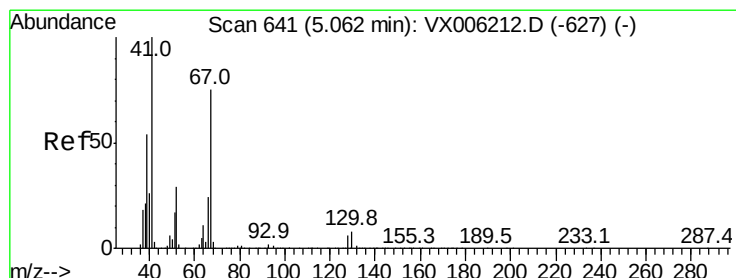
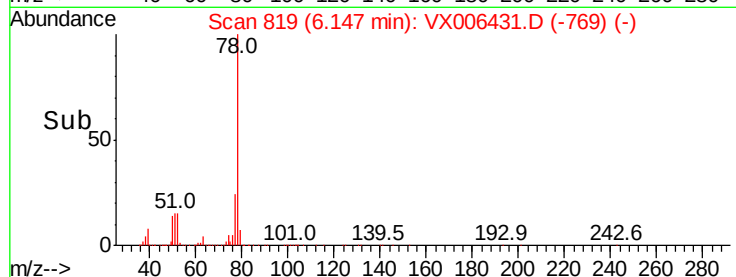
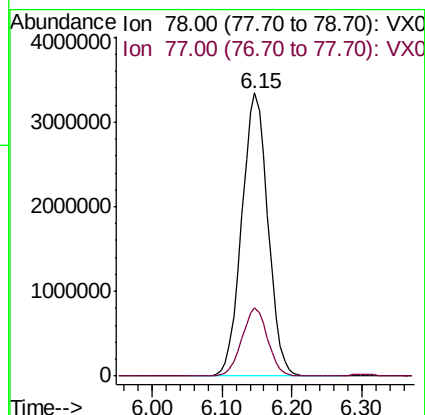
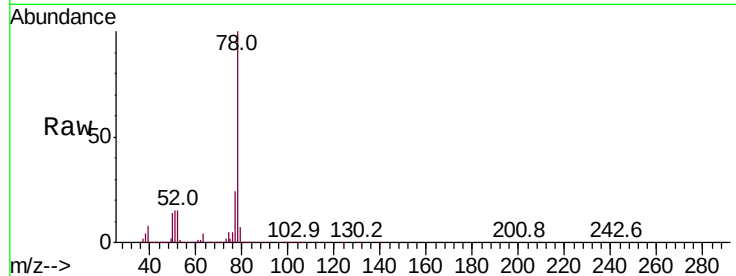
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 78 Resp: 8675951

Ion Ratio Lower Upper

78 100

77 24.0 19.2 28.8



#41

Methacrylonitrile

Concen: 1.126 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Tgt Ion: 41 Resp: 6870

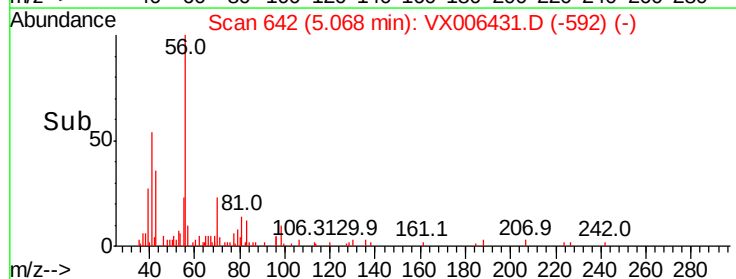
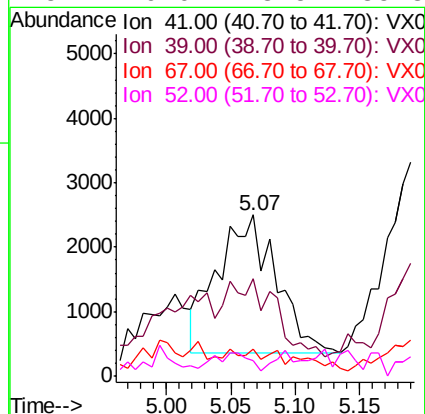
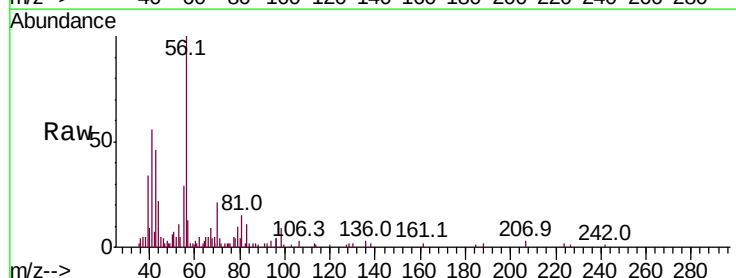
Ion Ratio Lower Upper

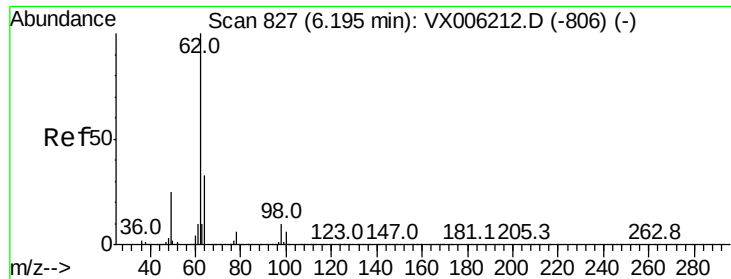
41 100

39 0.0 44.0 66.0#

67 0.0 61.4 92.0#

52 0.0 23.5 35.3#





#42

1,2-Dichloroethane

Concen: 6.824 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.05 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

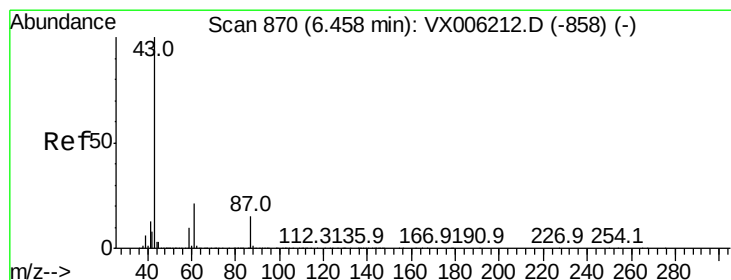
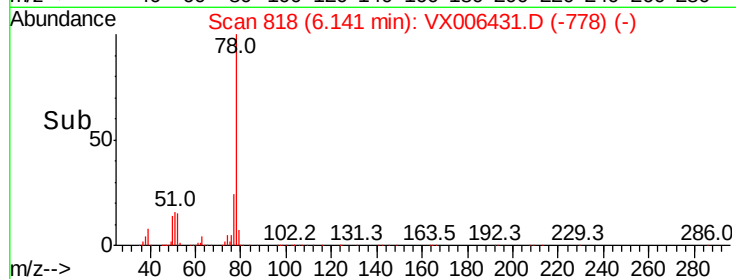
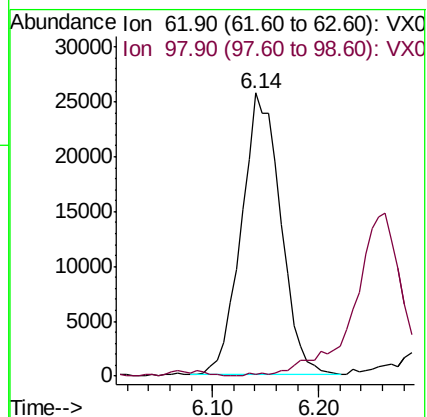
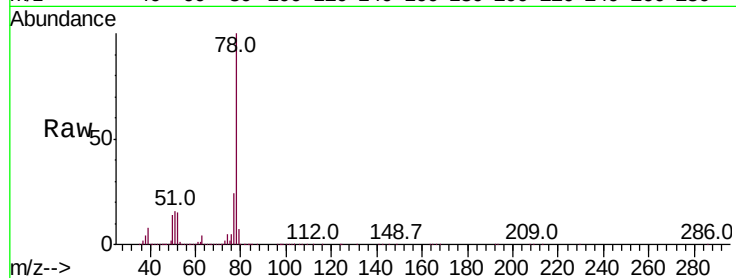
ClientSampled :

Tot Ion: 62 Resp: 66235

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#43

Isopropyl Acetate

Concen: 3.007 ug/l

RT: 6.45 min Scan# 869

Delta R.T. -0.01 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

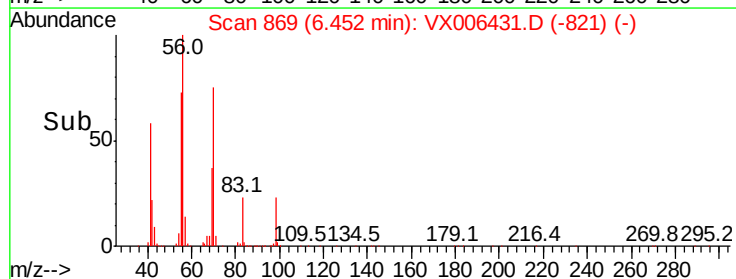
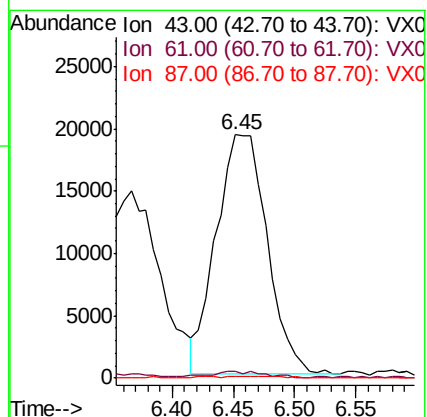
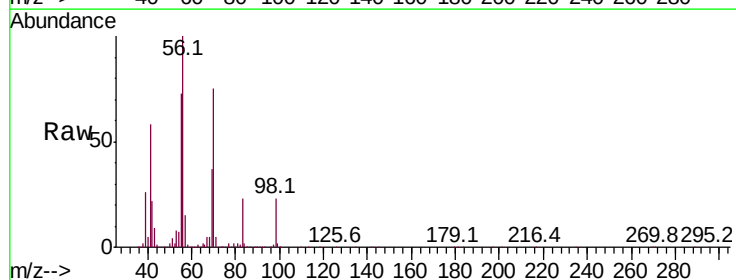
Tgt Ion: 43 Resp: 55597

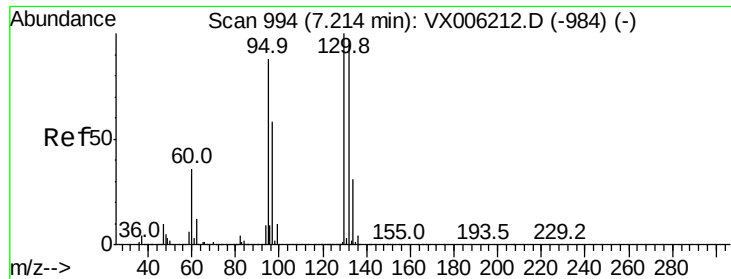
Ion Ratio Lower Upper

43 100

61 1.2 16.8 25.2#

87 0.1 11.9 17.9#





#44

Trichloroethene

Concen: 0.275 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

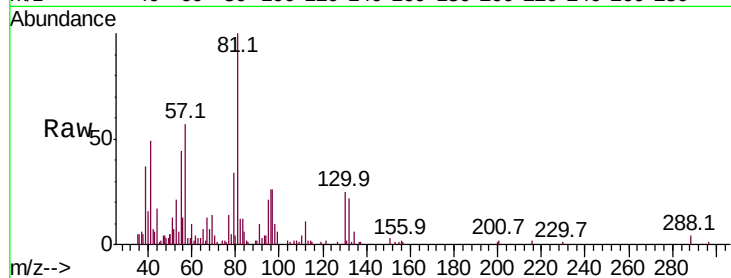
ClientSampleId :

Tot Ion:130 Resp: 2473

Ion Ratio Lower Upper

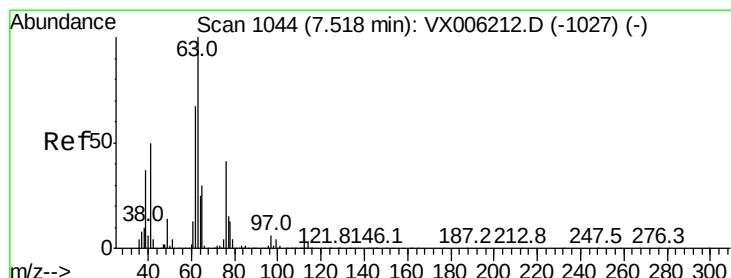
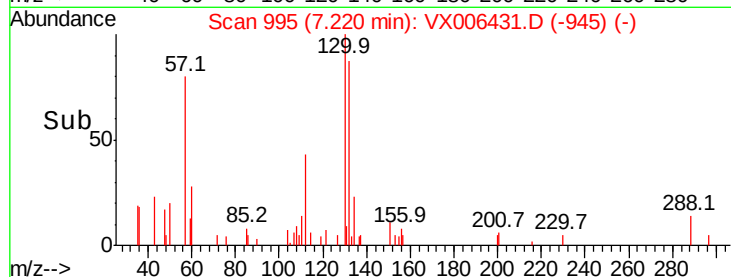
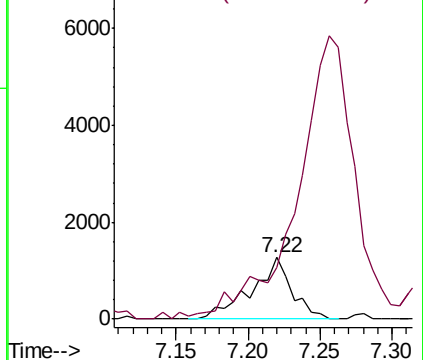
130 100

95 77.9 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 3.872 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX006431.D

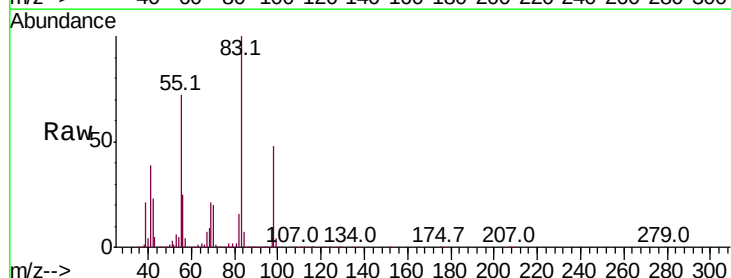
Acq: 11 Dec 2018 19:58

Tgt Ion: 63 Resp: 29186

Ion Ratio Lower Upper

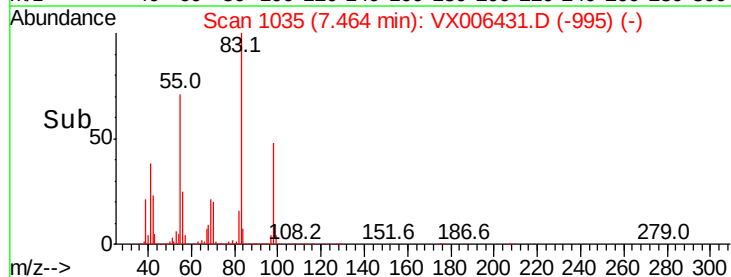
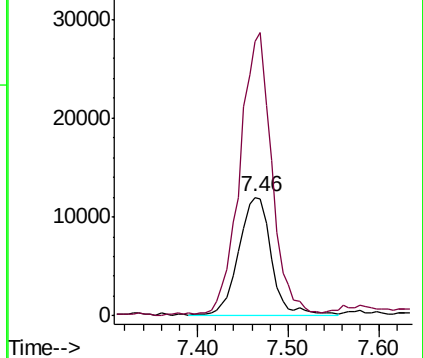
63 100

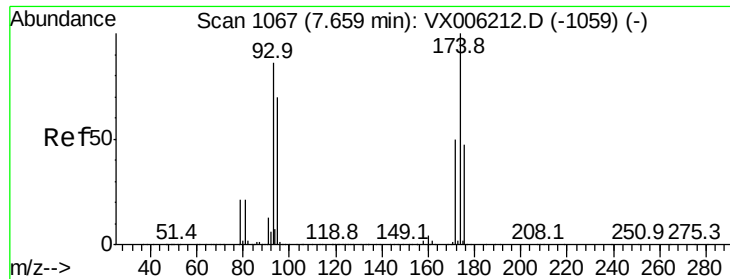
65 233.5 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 0.328 ug/l

RT: 7.64 min Scan# 1064

Delta R.T. -0.02 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampled :

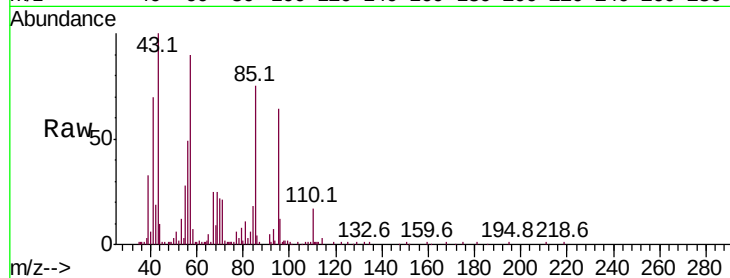
Tot Ion: 93 Resp: 1784

Ion Ratio Lower Upper

93 100

95 1284.9 66.2 99.4#

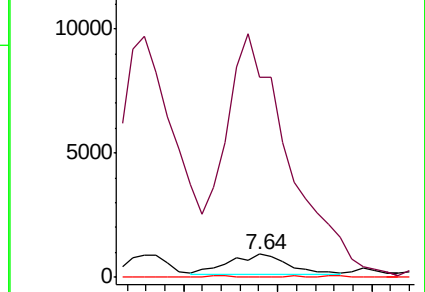
174 2.9 97.2 145.8#



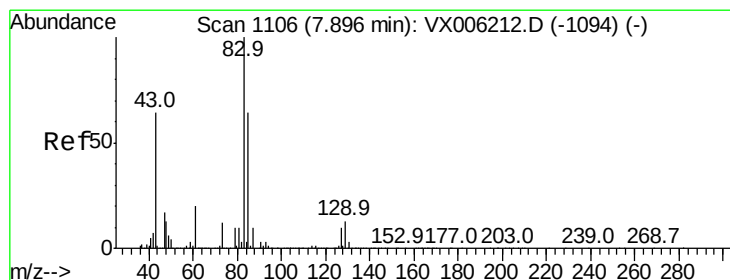
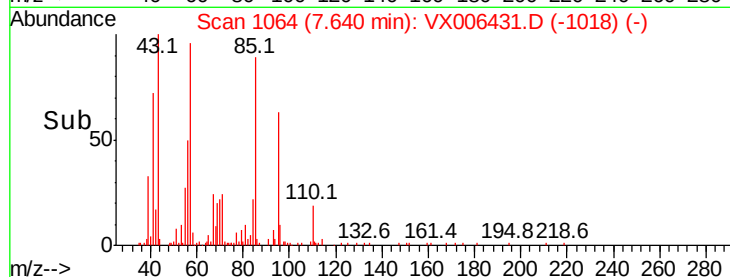
Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V



Time-->



#47

Bromodichloromethane

Concen: 6.530 ug/l

RT: 7.95 min Scan# 1114

Delta R.T. 0.05 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

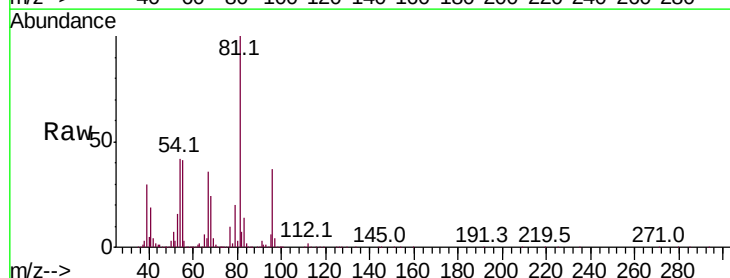
Tgt Ion: 83 Resp: 68835

Ion Ratio Lower Upper

83 100

85 0.6 51.4 77.0#

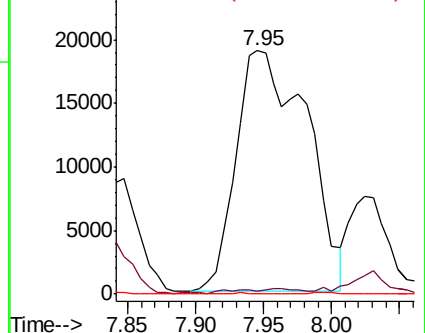
127 0.3 7.9 11.9#



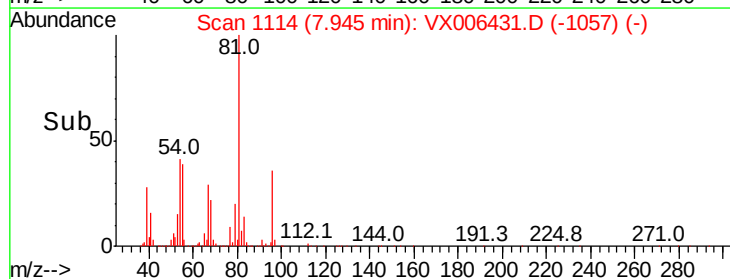
Abundance Ion 82.90 (82.60 to 83.60): VX0

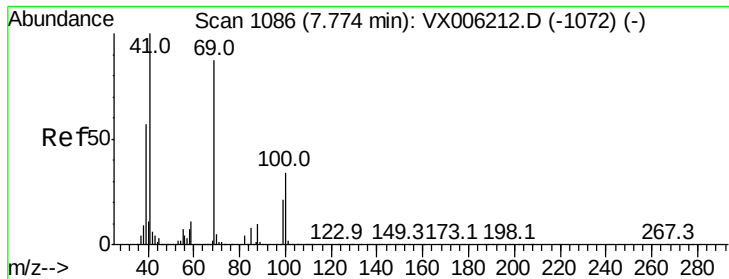
Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



Time-->





#48

Methvl methacrylate

Concen: 1.680 ug/l

RT: 7.79 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :
MSVOA_X
ClientSampled :

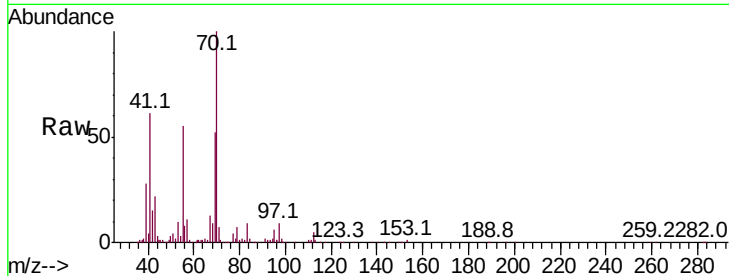
Tot Ion: 41 Resp: 15108

Ion Ratio Lower Upper

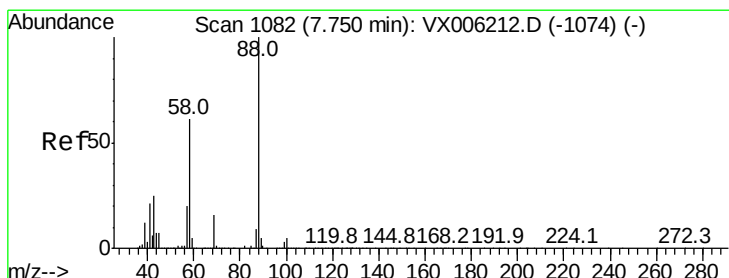
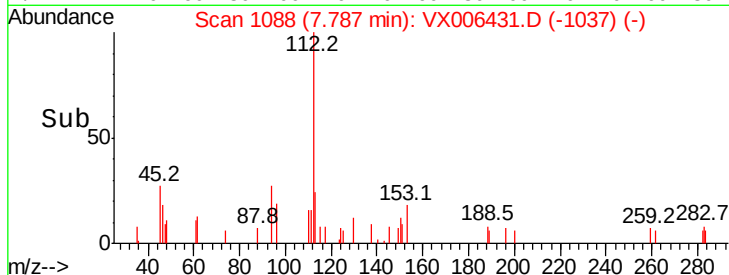
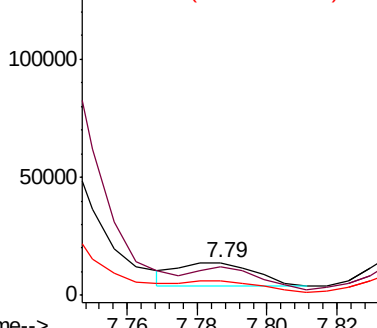
41 100

69 0.0 70.3 105.5#

39 0.0 45.3 67.9#



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



#49

1,4-Dioxane

Concen: 0.699 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

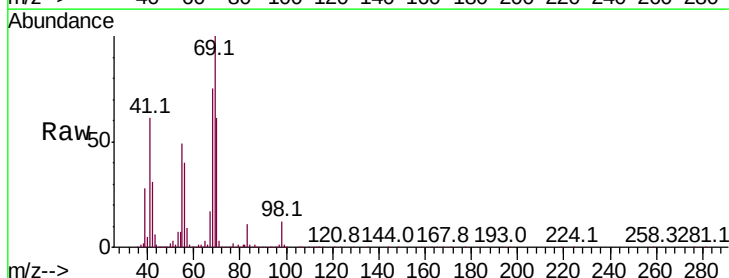
Tgt Ion: 88 Resp: 155

Ion Ratio Lower Upper

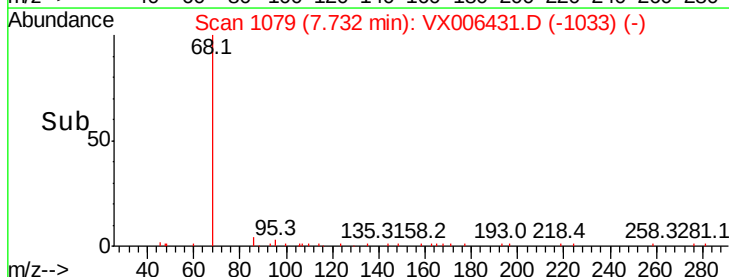
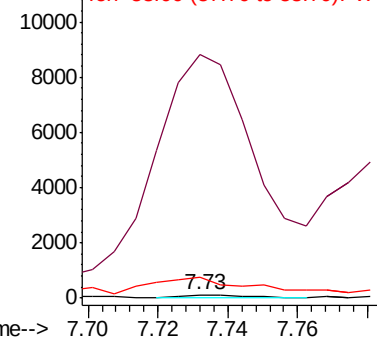
88 100

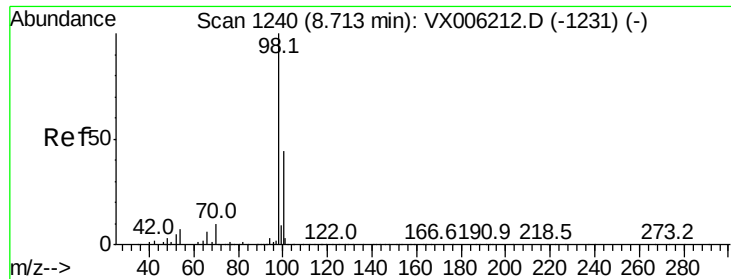
43 10103.2 23.2 34.8#

58 856.8 51.4 77.0#



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

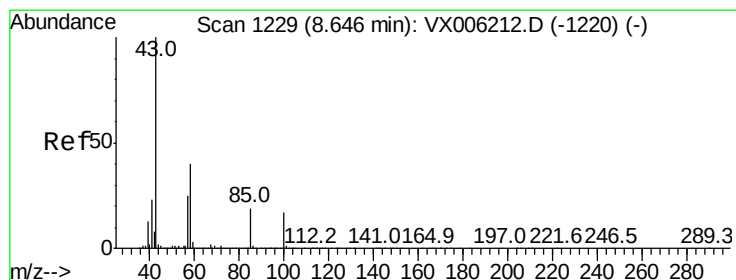
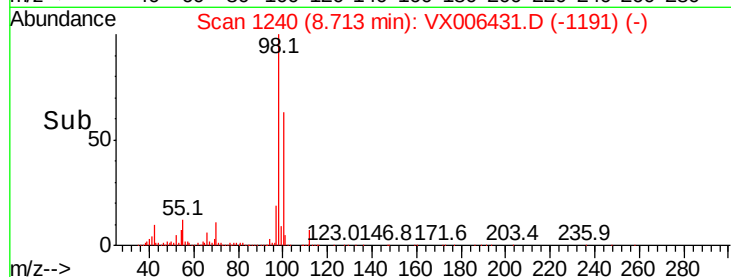
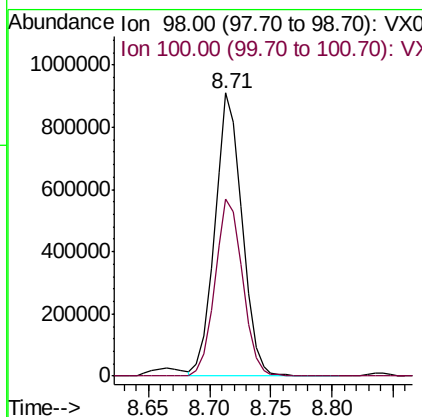
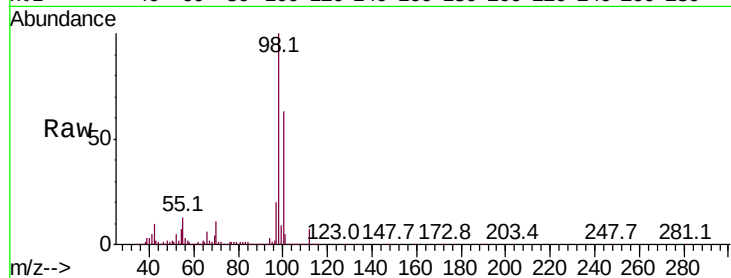




#50
Toluene-d8
Concen: 50.867 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

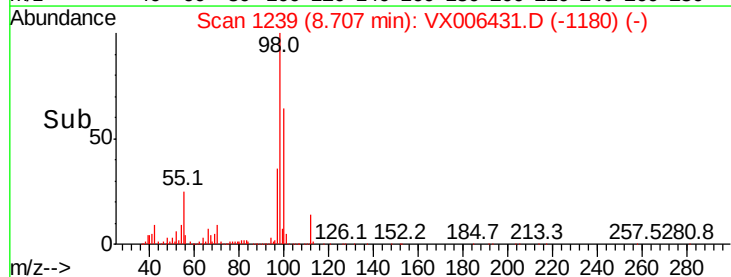
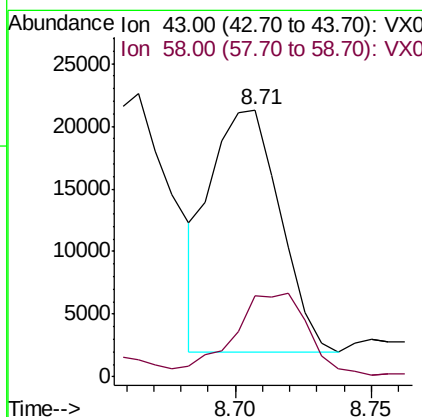
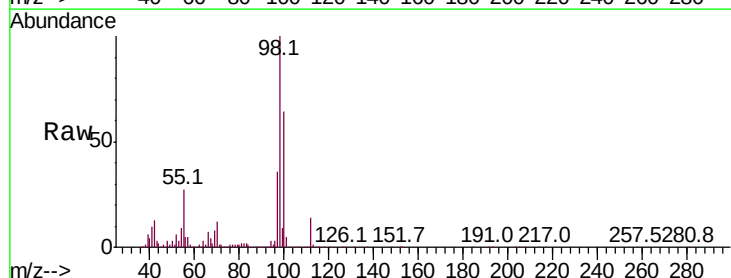
Instrument :
MSVOA_X
ClientSampleId :

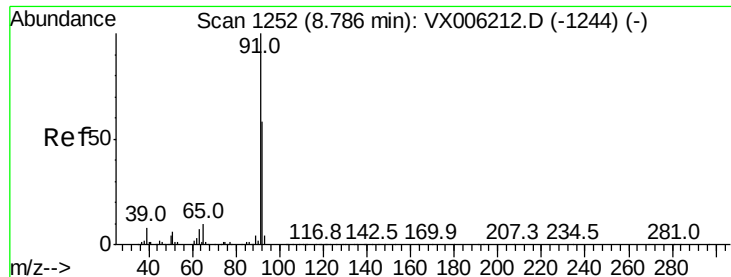
Tot Ion: 98 Resp: 1408525
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 3.174 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. 0.06 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

Tgt Ion: 43 Resp: 34162
Ion Ratio Lower Upper
43 100
58 34.4 31.3 46.9





#52

Toluene

Concen: 36.867 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

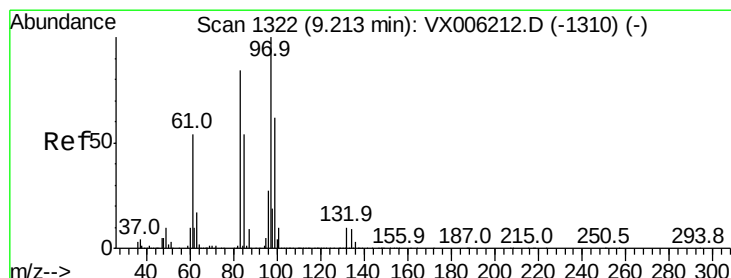
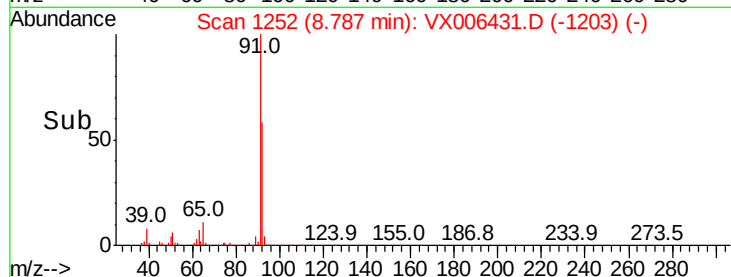
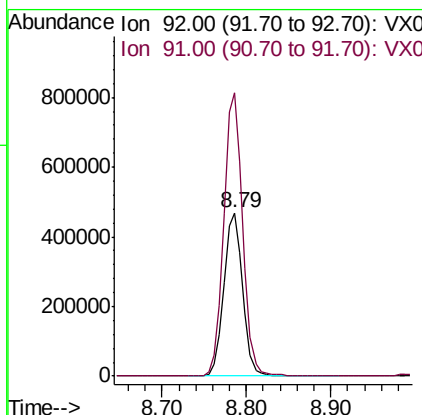
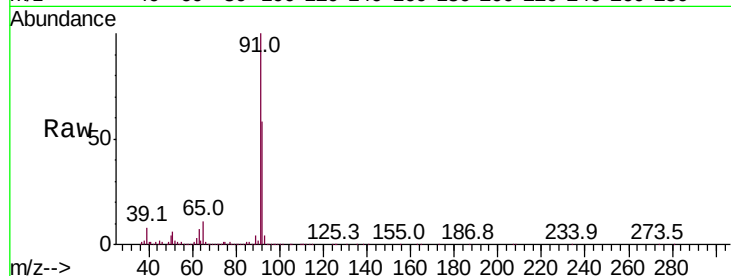
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 92 Resp: 719261

Ion Ratio Lower Upper

92 100

91 173.8 139.2 208.8



#55

1,1,2-Trichloroethane

Concen: 29.838 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Tgt Ion: 97 Resp: 236495

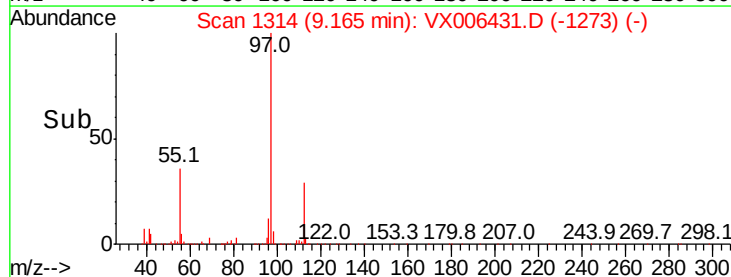
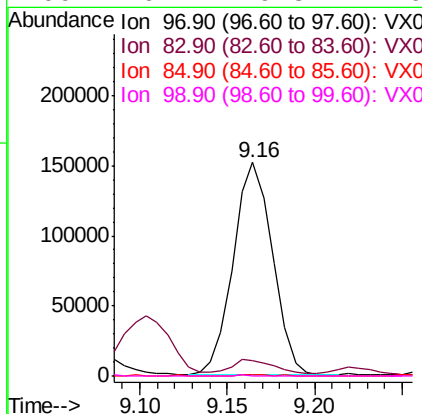
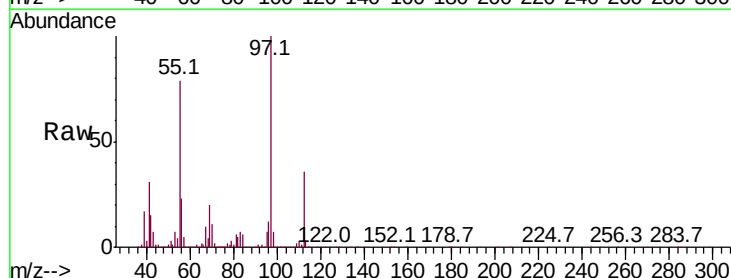
Ion Ratio Lower Upper

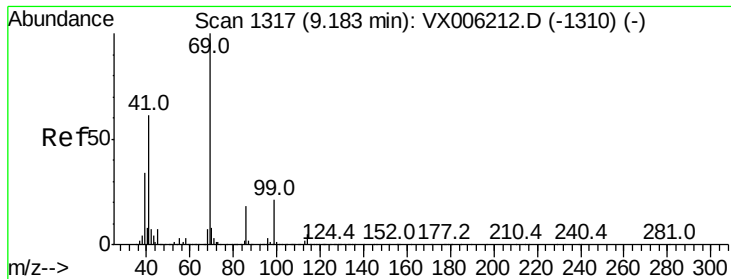
97 100

83 4.5 67.1 100.7#

85 0.3 43.2 64.8#

99 0.2 49.8 74.6#

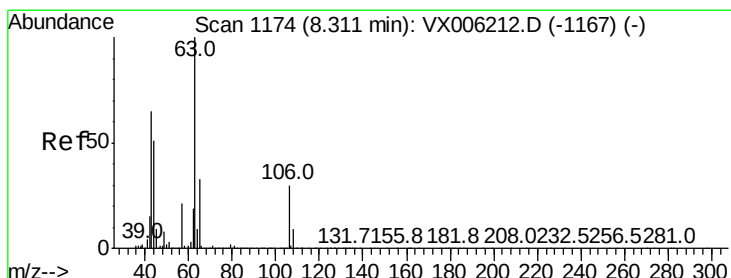
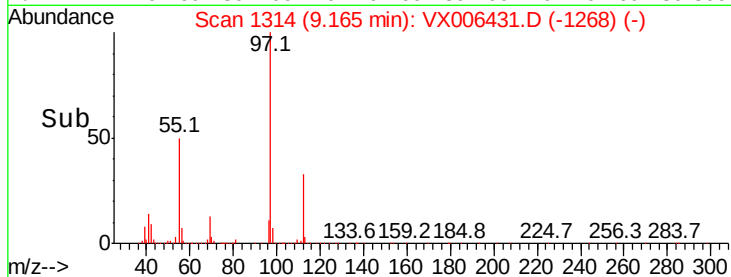
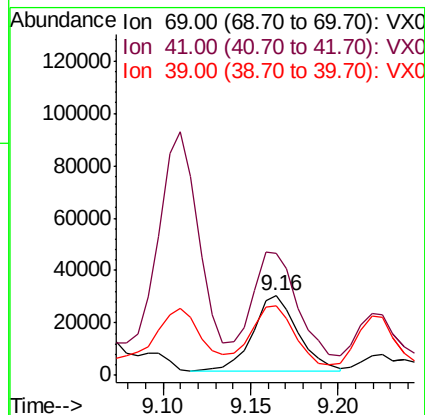
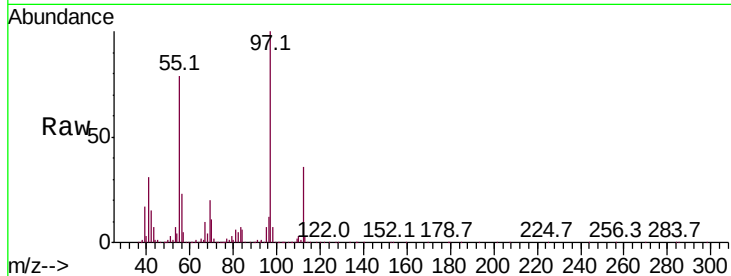




#56
Ethyl methacrylate
Concen: 4.190 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

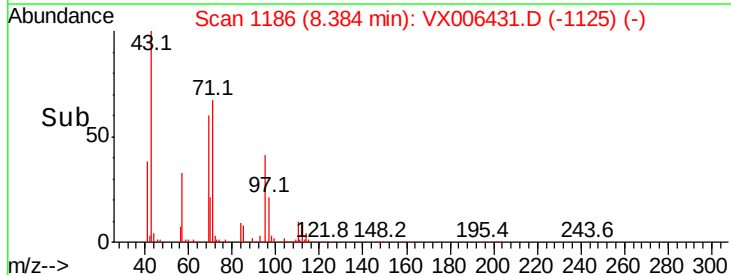
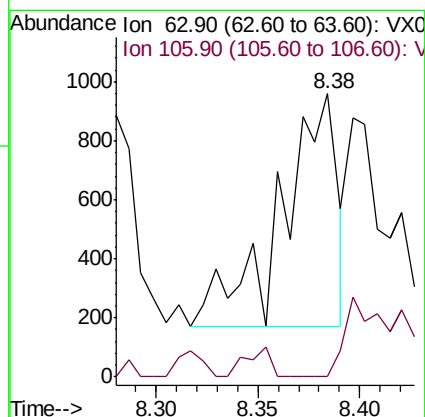
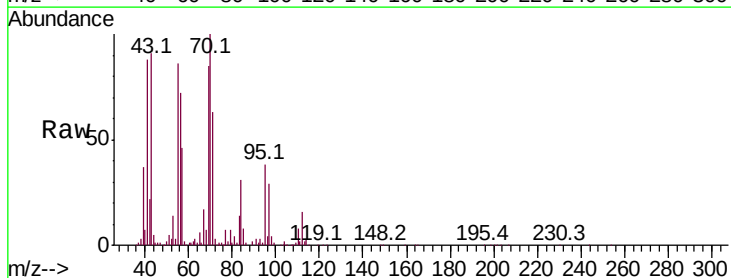
Instrument :
MSVOA_X
ClientSampleId :

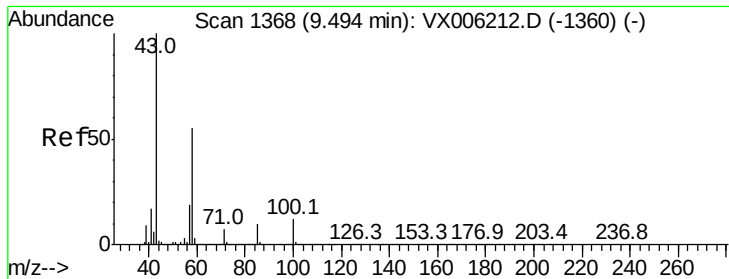
Tot Ion: 69 Resp: 51913
Ion Ratio Lower Upper
69 100
41 163.4 50.6 76.0#
39 80.8 27.6 41.4#



#58
2-Chloroethyl Vinyl ether
Concen: 0.240 ug/l
RT: 8.38 min Scan# 1186
Delta R.T. 0.07 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

Tgt Ion: 63 Resp: 1509
Ion Ratio Lower Upper
63 100
106 30.9 24.9 37.3

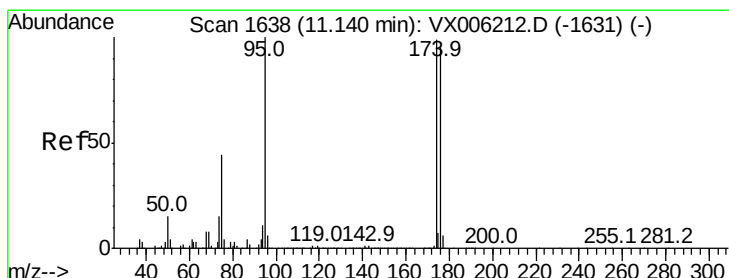
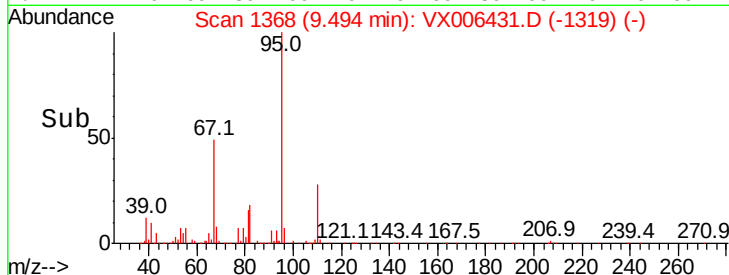
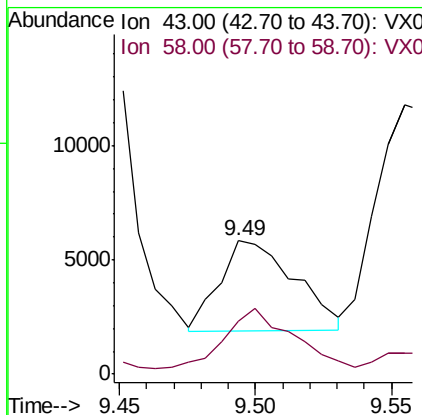
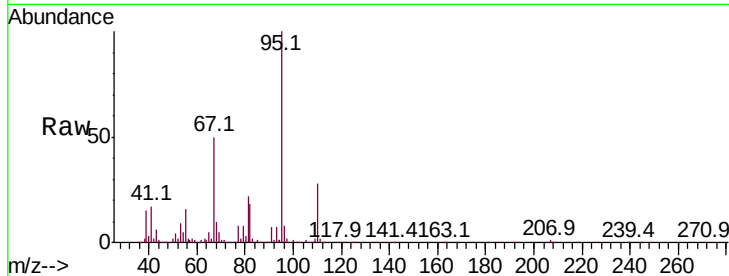




#59
2-Hexanone
Concen: 0.920 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

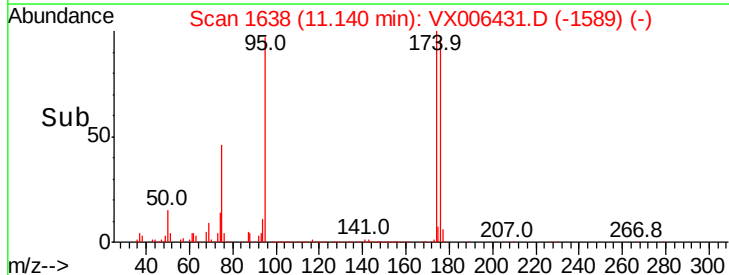
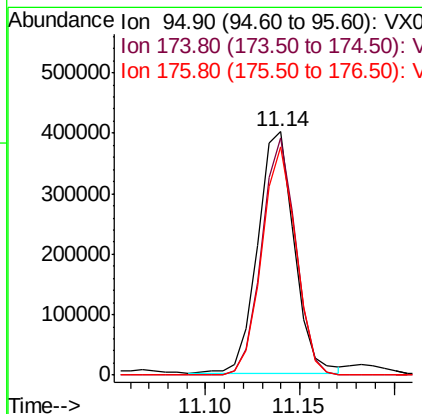
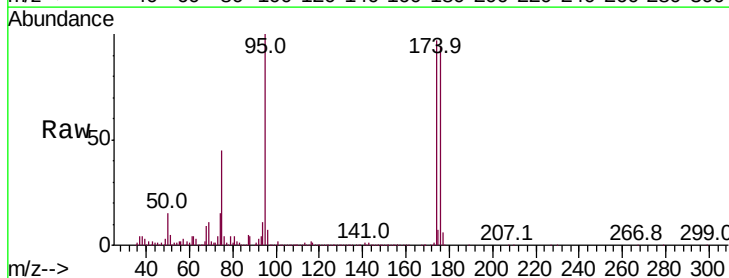
Instrument :
MSVOA_X
ClientSampleId :

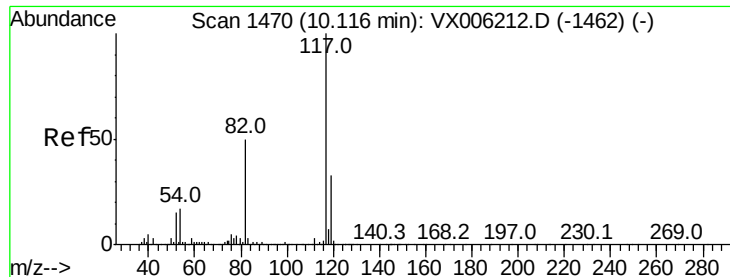
Tot Ion: 43 Resp: 7562
Ion Ratio Lower Upper
43 100
58 63.5 27.7 83.1



#62
4-Bromofluorobenzene
Concen: 51.475 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

Tgt Ion: 95 Resp: 537116
Ion Ratio Lower Upper
95 100
174 91.5 0.0 187.0
176 88.4 0.0 181.8

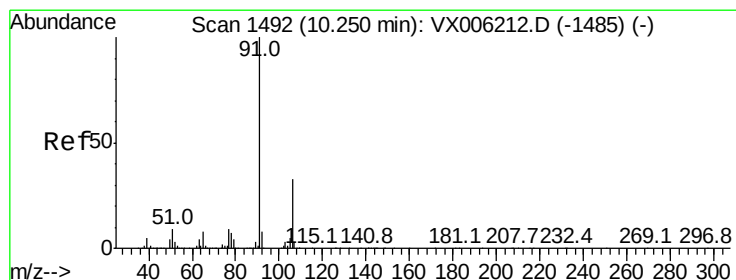
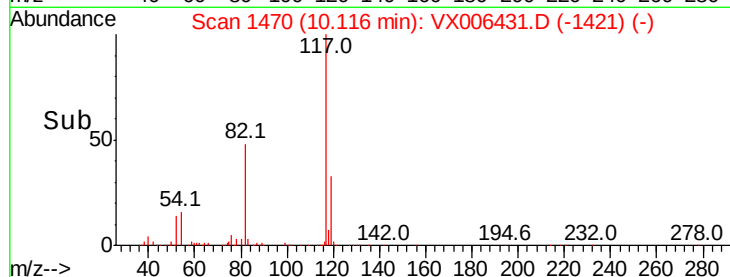
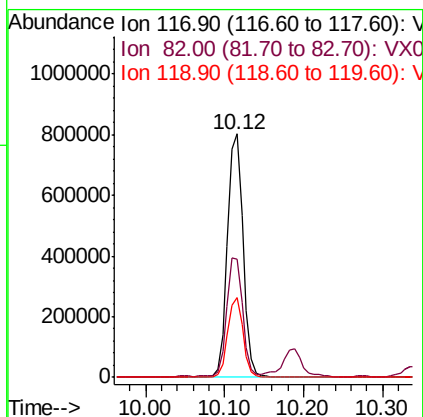
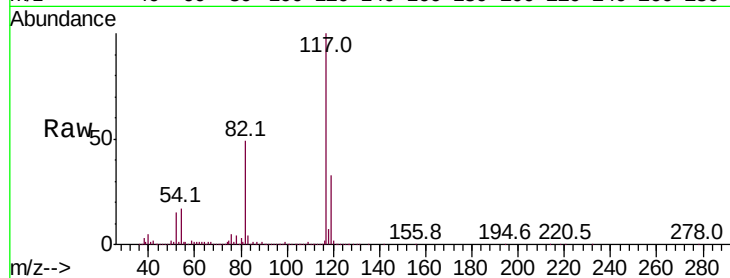




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

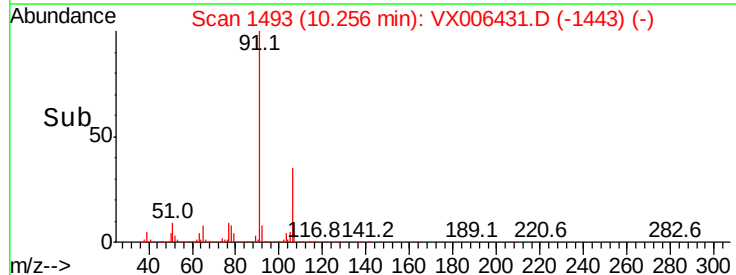
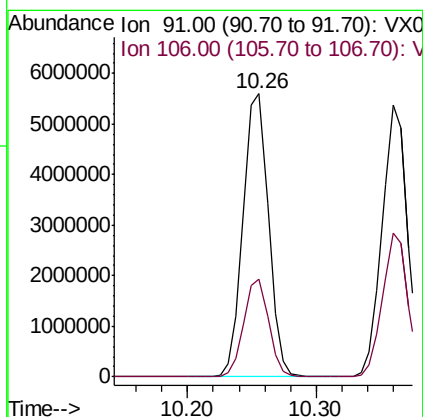
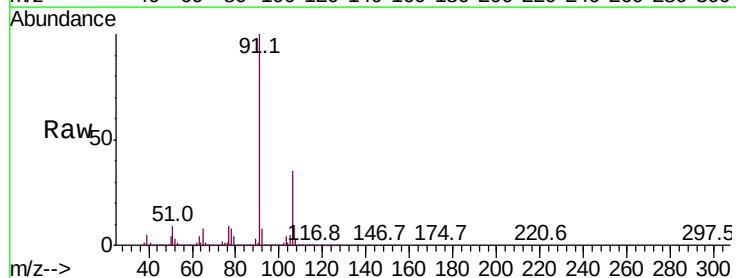
Instrument :
MSVOA_X
ClientSampled :

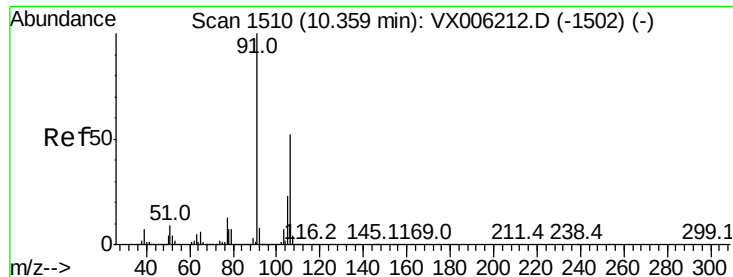
Tot Ion:117 Resp: 1101983
Ion Ratio Lower Upper
117 100
82 48.4 39.6 59.4
119 32.7 26.3 39.5



#67
Ethyl Benzene
Concen: 196.265 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

Tgt Ion: 91 Resp: 7636010
Ion Ratio Lower Upper
91 100
106 34.8 26.5 39.7





#68

m/p-Xylenes

Concen: 245.806 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

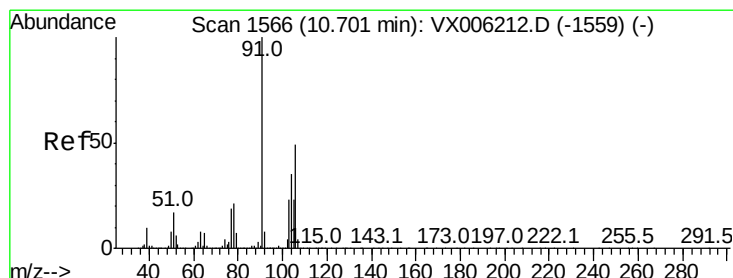
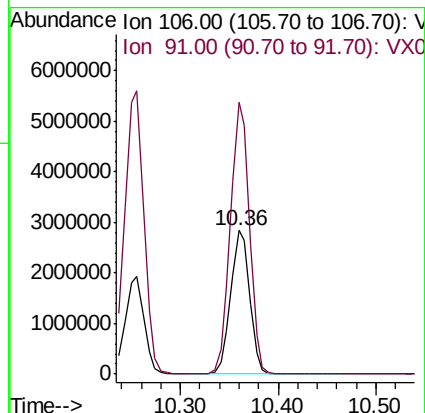
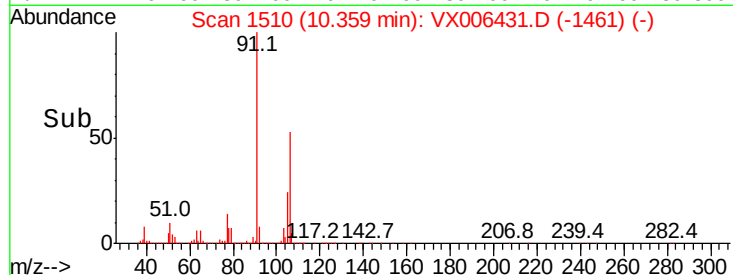
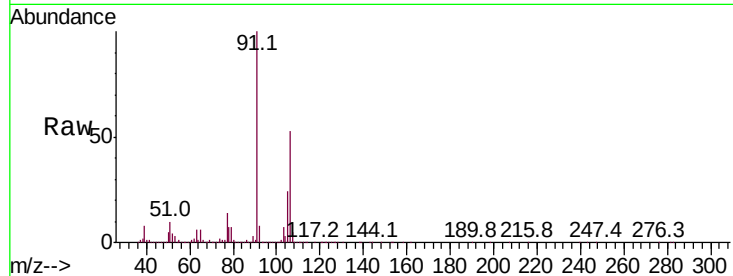
ClientSampleId :

Tot Ion:106 Resp: 3830858

Ion Ratio Lower Upper

106 100

91 189.7 155.2 232.8



#69

o-Xylene

Concen: 12.605 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX006431.D

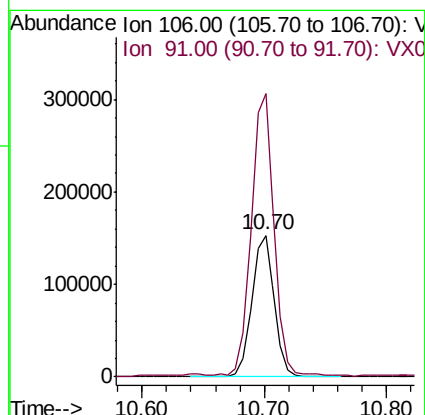
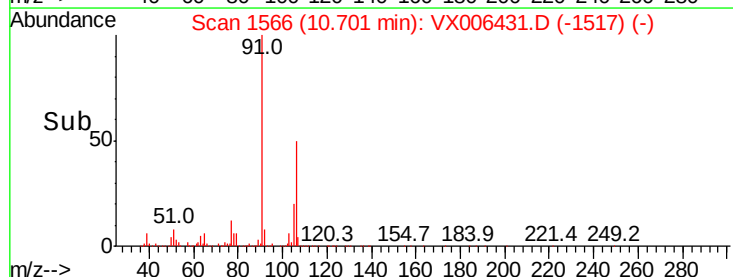
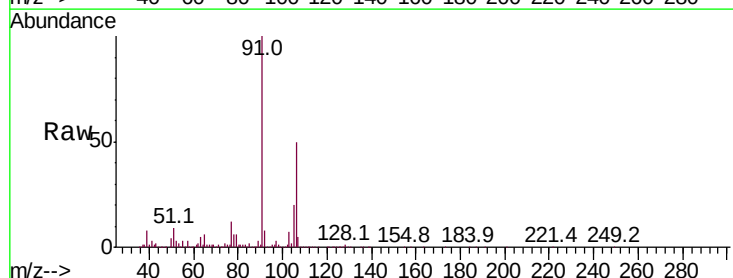
Acq: 11 Dec 2018 19:58

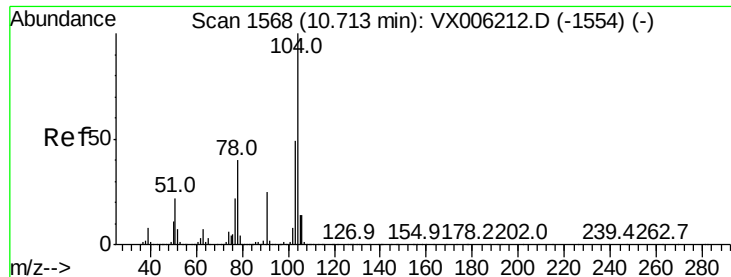
Tgt Ion:106 Resp: 194042

Ion Ratio Lower Upper

106 100

91 202.7 101.8 305.6





#70

Stvrene

Concen: 0.392 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampled :

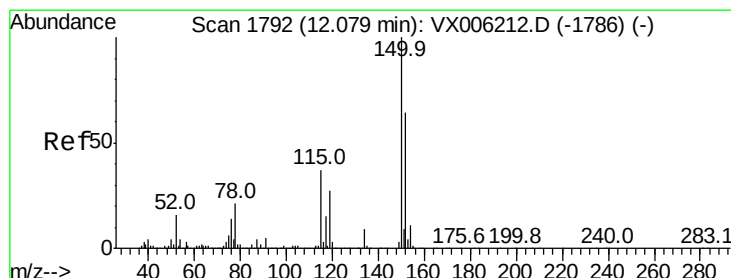
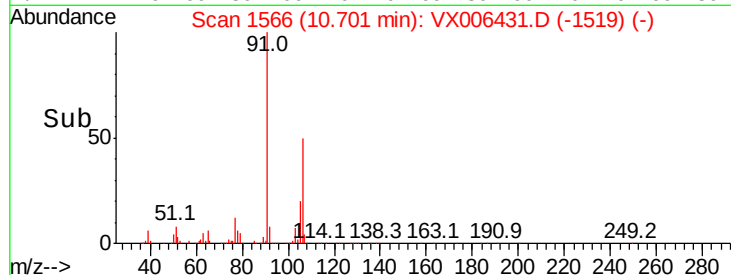
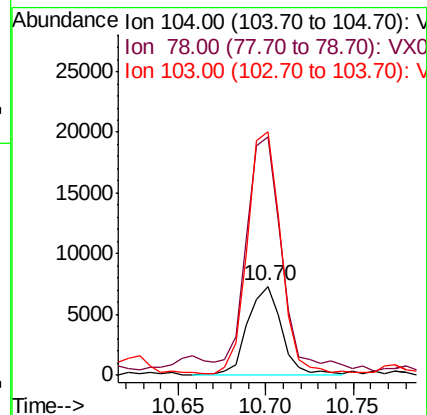
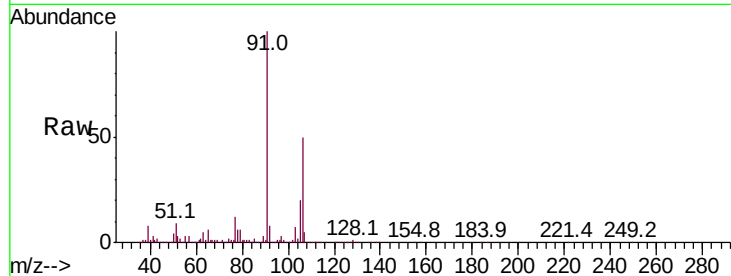
Tot Ion:104 Resp: 9762

Ion Ratio Lower Upper

104 100

78 278.8 37.2 55.8#

103 270.4 43.5 65.3#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

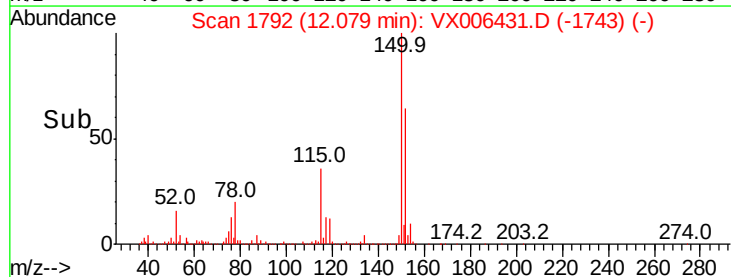
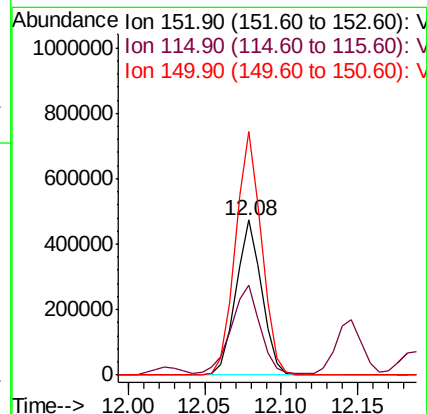
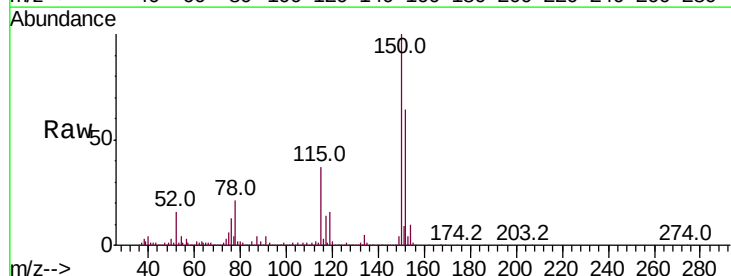
Tgt Ion:152 Resp: 550475

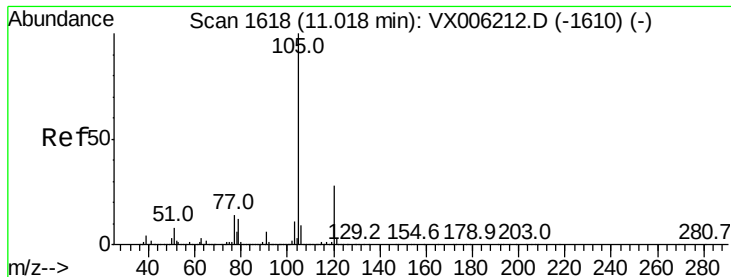
Ion Ratio Lower Upper

152 100

115 63.2 39.0 116.9

150 158.3 0.0 345.8





#73

Isopropylbenzene

Concen: 78.017 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

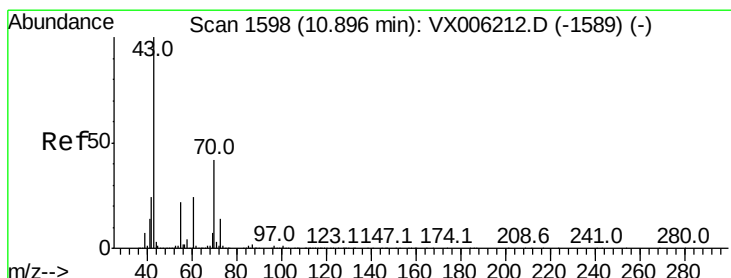
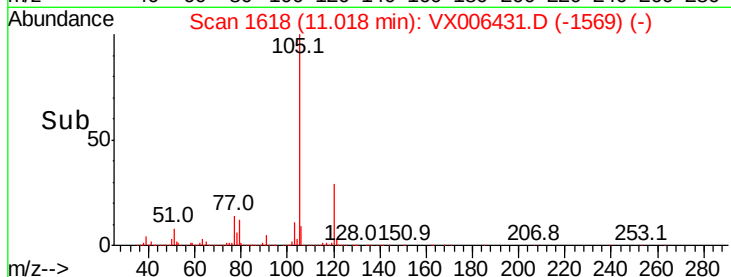
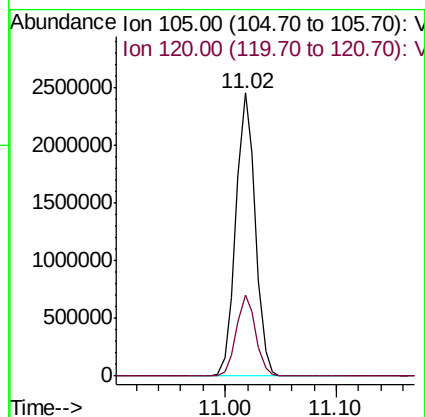
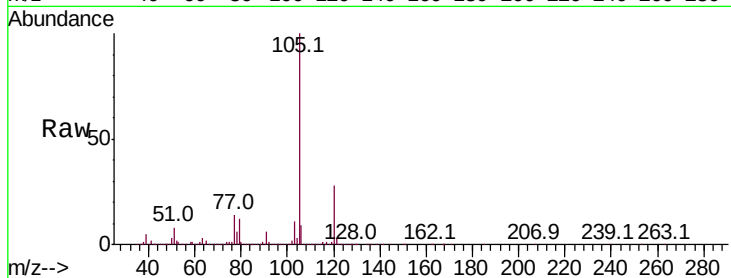
ClientSampled :

Tot Ion:105 Resp: 2965830

Ion Ratio Lower Upper

105 100

120 28.3 14.1 42.3



#74

N-ethyl acetate

Concen: 2.454 ug/l

RT: 10.94 min Scan# 1606

Delta R.T. 0.05 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Tgt Ion: 43 Resp: 40177

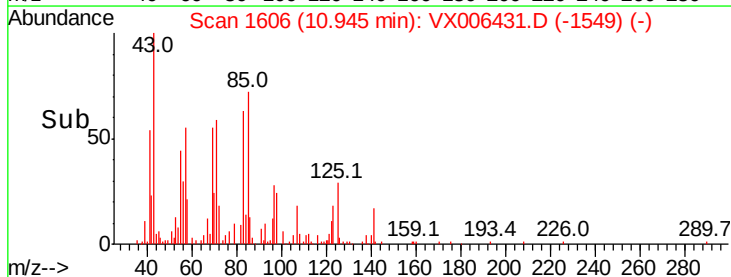
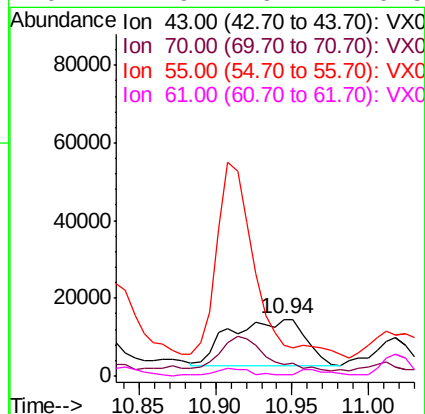
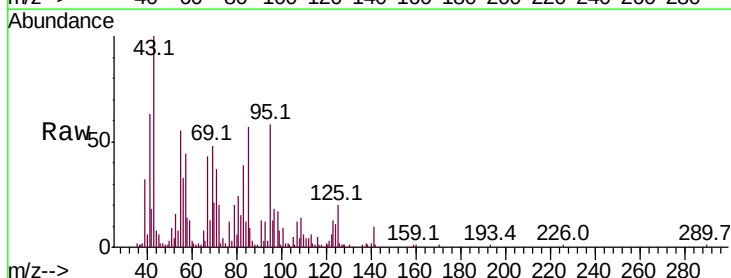
Ion Ratio Lower Upper

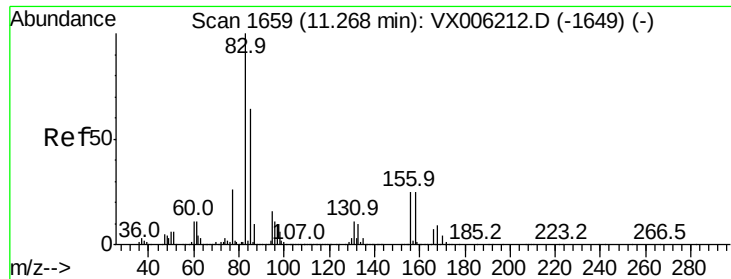
43 100

70 0.0 34.1 51.1#

55 0.0 17.8 26.8#

61 4.9 19.7 29.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.947 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampled :

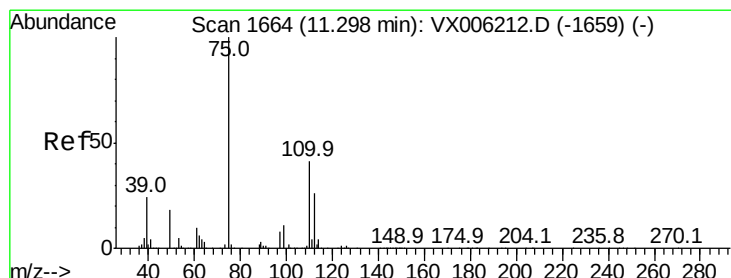
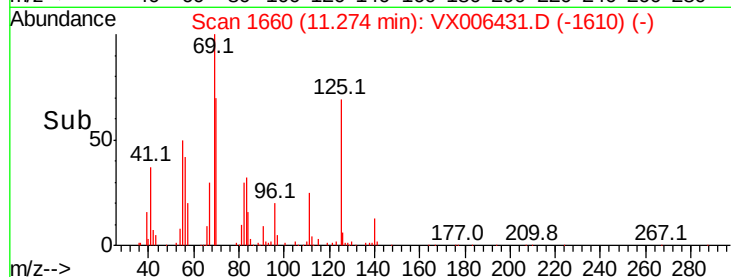
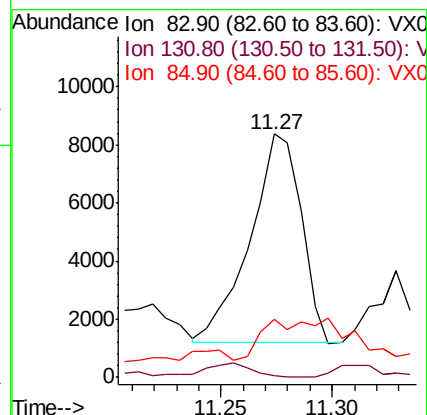
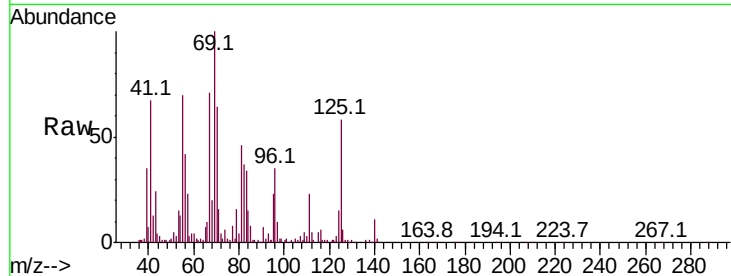
Tot Ion: 83 Resp: 11513

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

85 11.4 32.1 96.5#



#76

1,2,3-Trichloropropane

Concen: 2.133 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.06 min

Lab File: VX006431.D

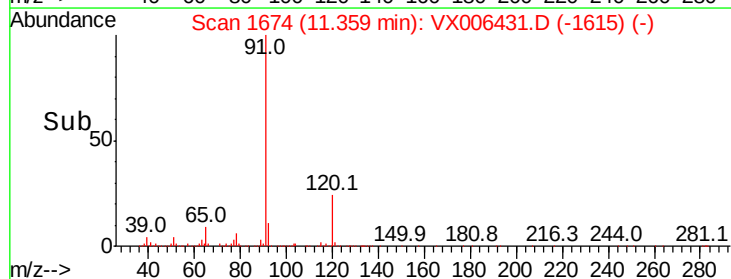
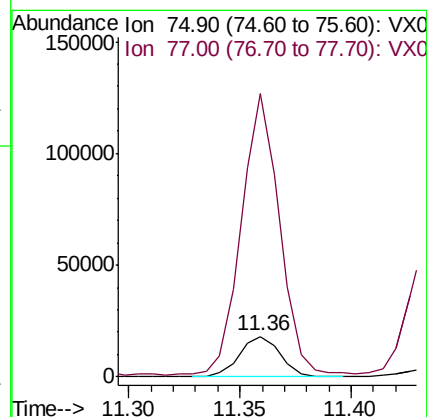
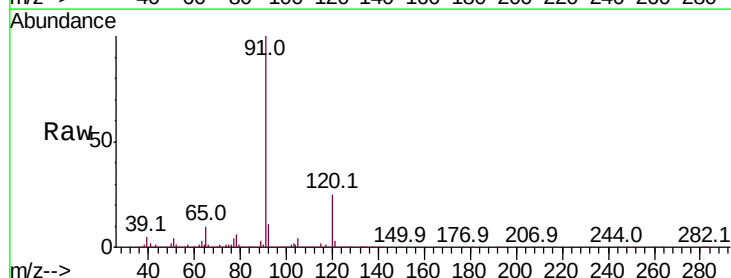
Acq: 11 Dec 2018 19:58

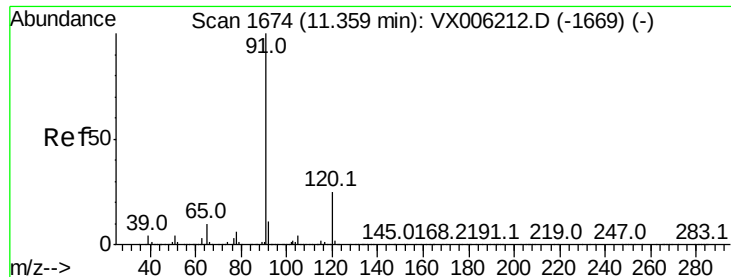
Tgt Ion: 75 Resp: 22661

Ion Ratio Lower Upper

75 100

77 661.5 19.9 59.7#





#78

n-propylbenzene

Concen: 95.620 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

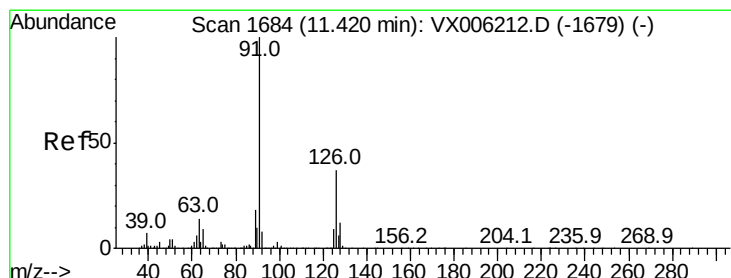
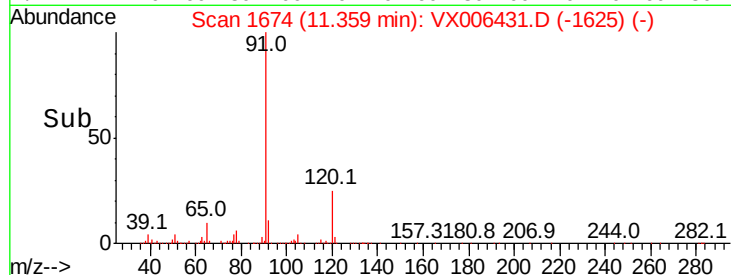
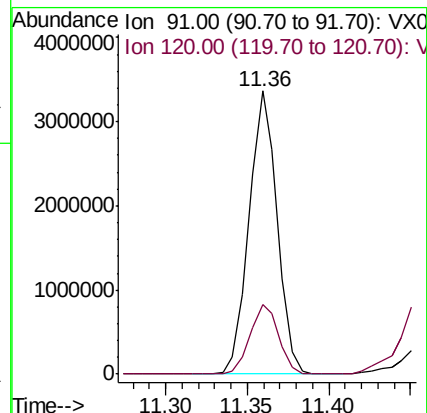
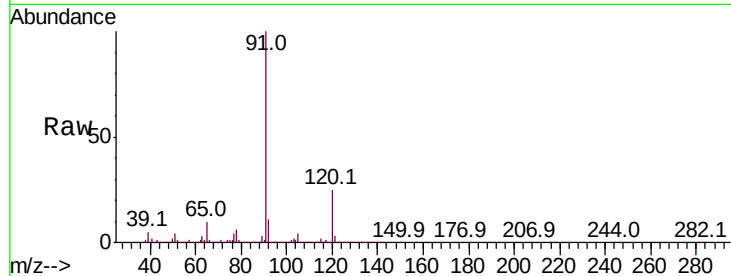
ClientSampleId :

Tot Ion: 91 Resp: 4040679

Ion Ratio Lower Upper

91 100

120 25.2 12.7 38.0



#79

2-Chlorotoluene

Concen: 17.042 ug/l

RT: 11.46 min Scan# 1690

Delta R.T. 0.04 min

Lab File: VX006431.D

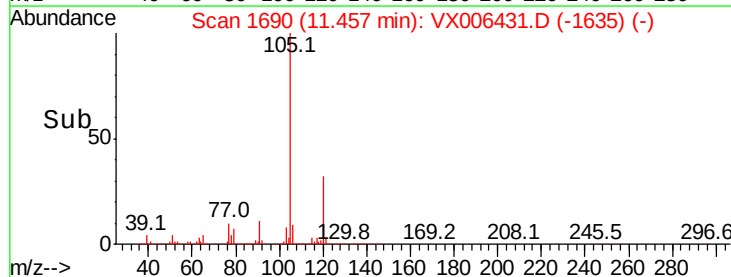
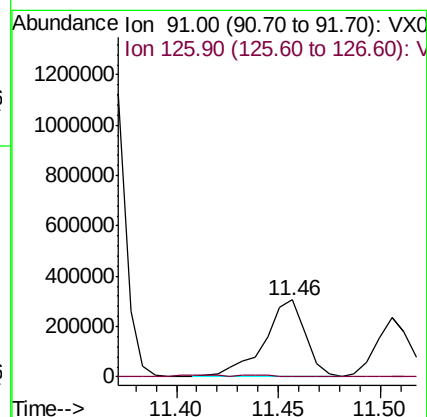
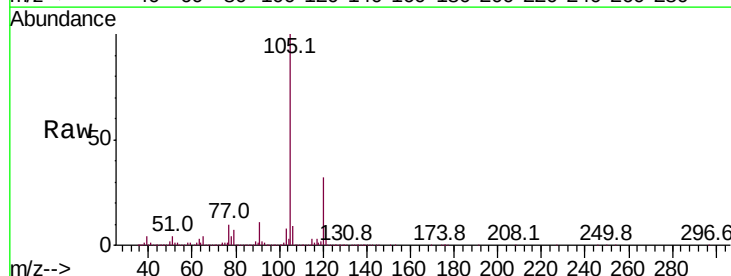
Acq: 11 Dec 2018 19:58

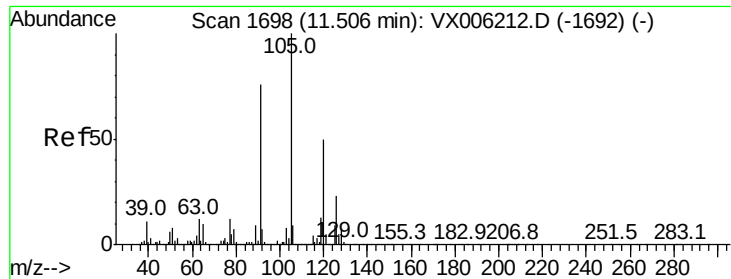
Tgt Ion: 91 Resp: 428022

Ion Ratio Lower Upper

91 100

126 1.6 18.6 56.0#





#80

1,3,5-Trimethylbenzene

Concen: 83.911 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

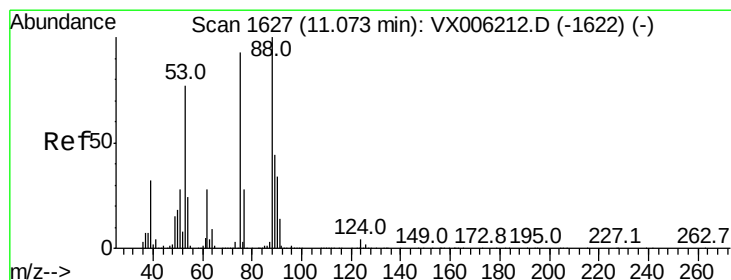
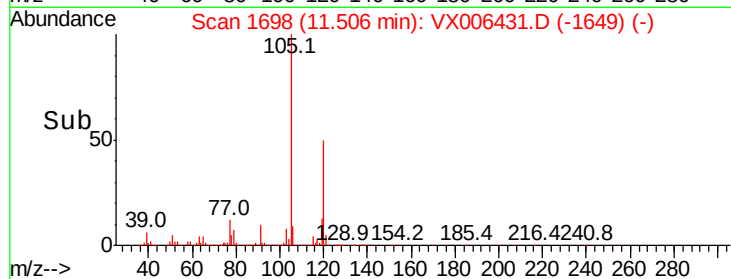
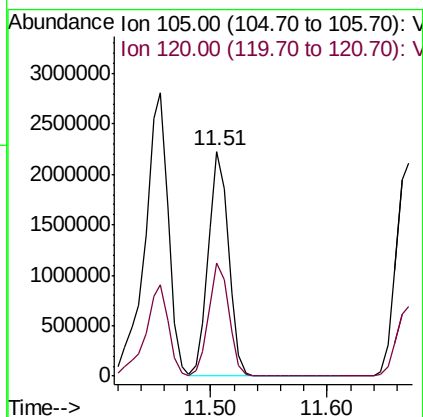
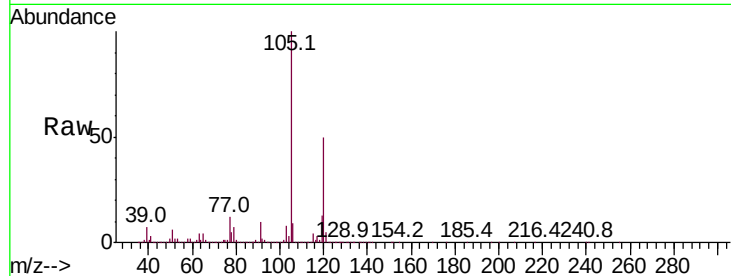
ClientSampleId :

Tot Ion:105 Resp: 2654064

Ion Ratio Lower Upper

105 100

120 50.6 25.4 76.0



#81

trans-1,4-Dichloro-2-butene

Concen: 7.075 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

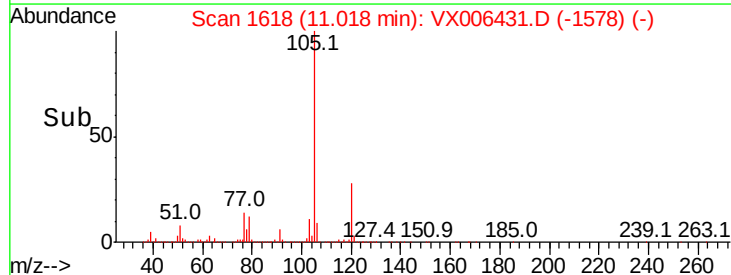
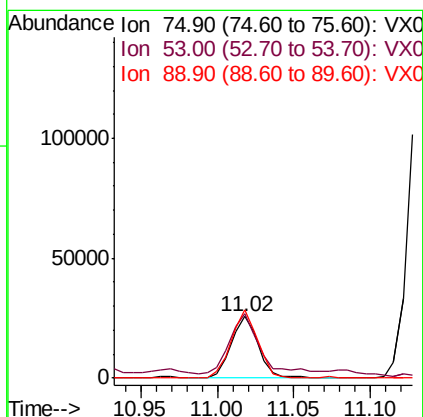
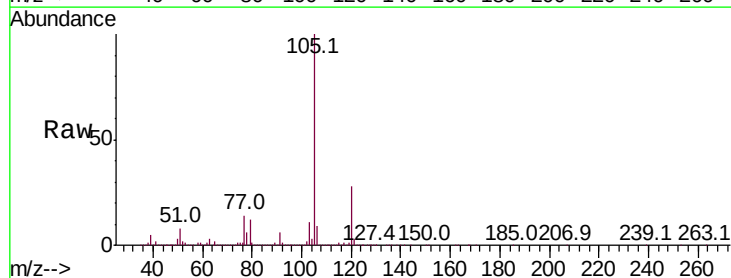
Tgt Ion: 75 Resp: 32033

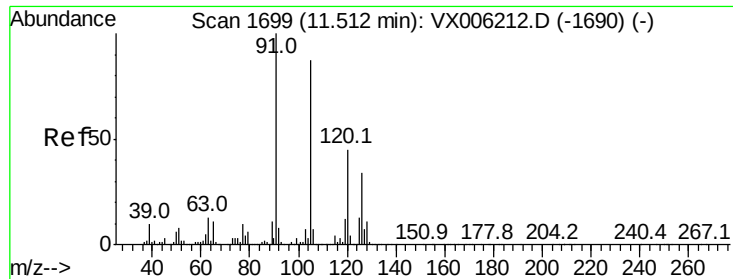
Ion Ratio Lower Upper

75 100

53 105.4 64.4 96.6#

89 107.2 44.2 66.4#

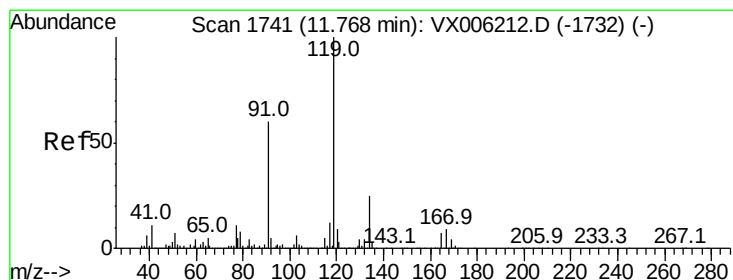
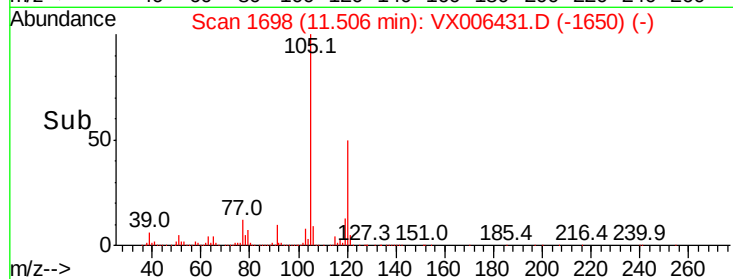
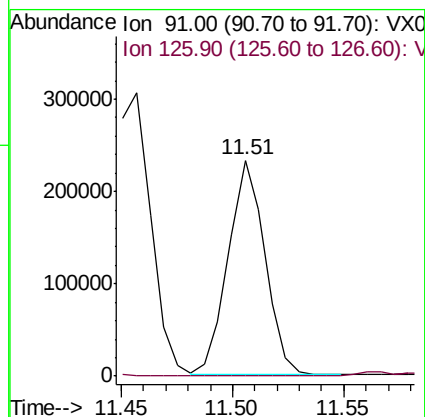
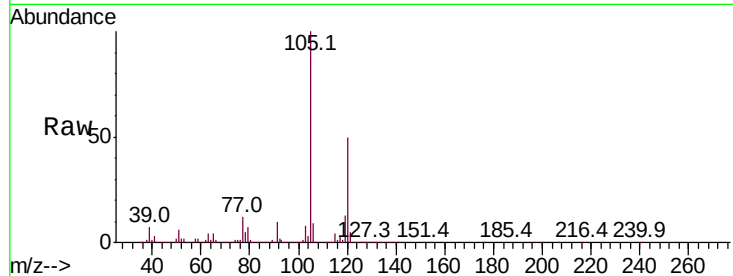




#82
4-Chlorotoluene
Concen: 9.165 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

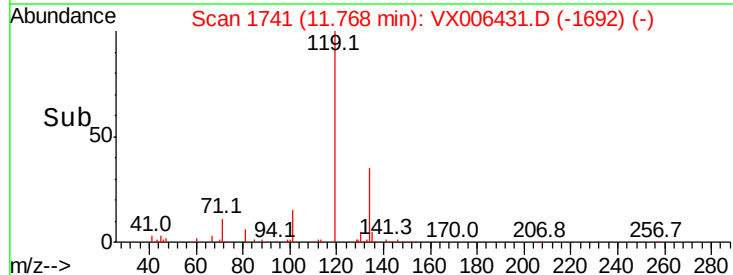
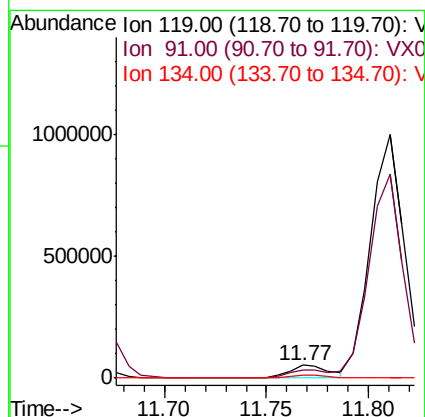
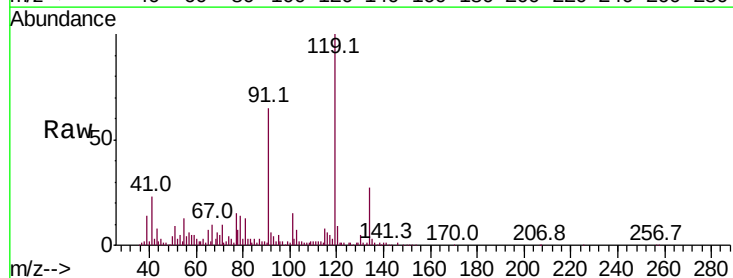
Instrument :
MSVOA_X
ClientSampled :

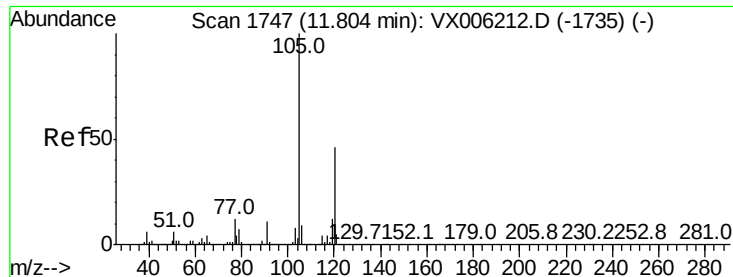
Tot Ion: 91 Resp: 267645
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.4#



#83
tert-Butylbenzene
Concen: 2.170 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX006431.D
Acq: 11 Dec 2018 19:58

Tgt Ion: 119 Resp: 73225
Ion Ratio Lower Upper
119 100
91 55.9 26.4 79.2
134 25.1 11.6 34.7





#84

1,2,4-Trimethylbenzene

Concen: 273.720 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

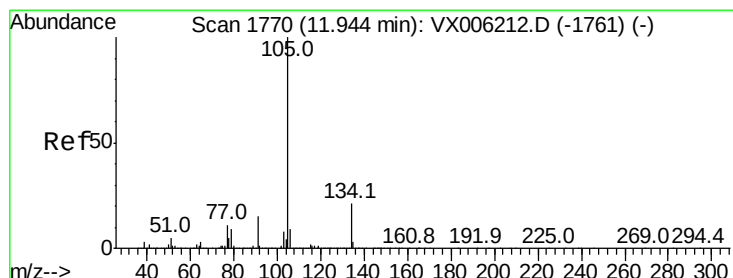
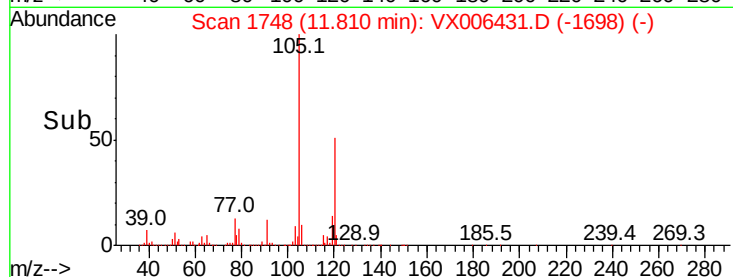
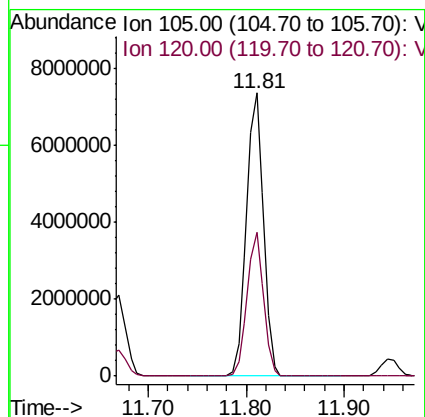
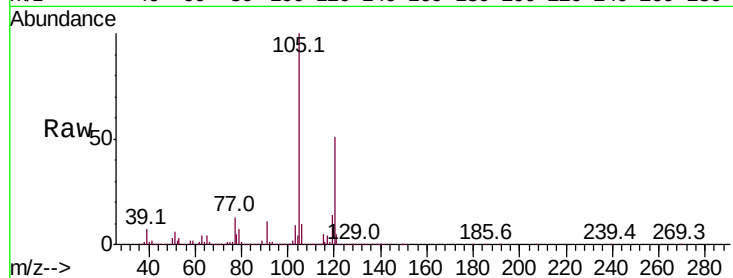
ClientSampleId :

Tot Ion:105 Resp: 8939841

Ion Ratio Lower Upper

105 100

120 49.2 23.4 70.0



#85

sec-Butylbenzene

Concen: 14.698 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006431.D

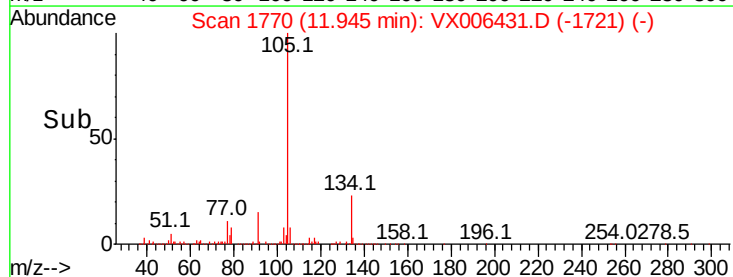
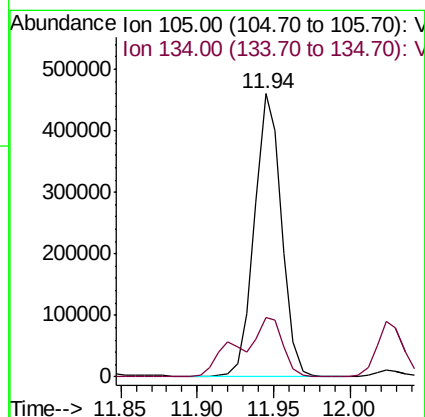
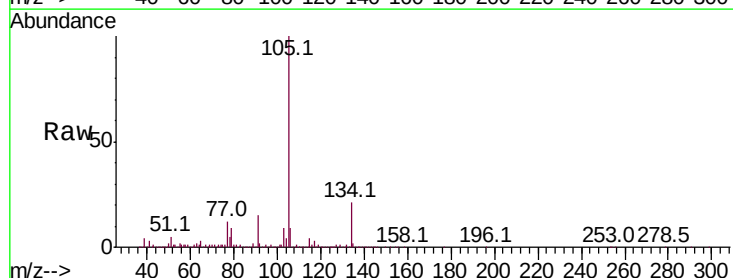
Acq: 11 Dec 2018 19:58

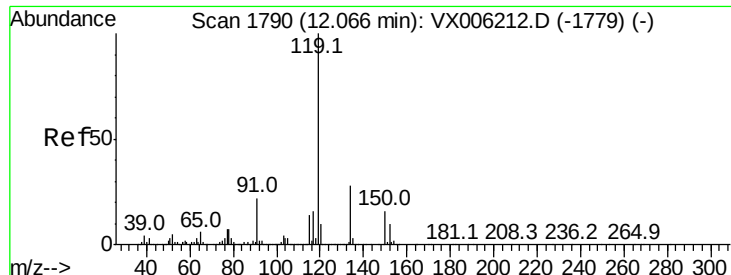
Tgt Ion:105 Resp: 564307

Ion Ratio Lower Upper

105 100

134 20.3 10.8 32.4

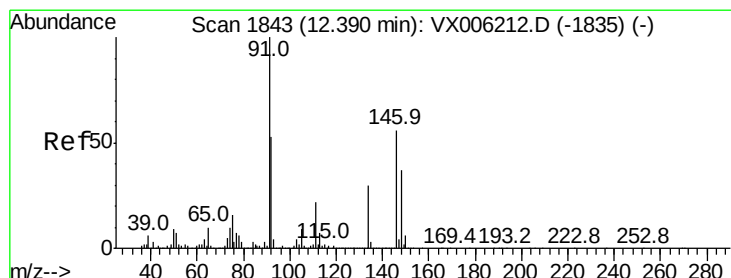
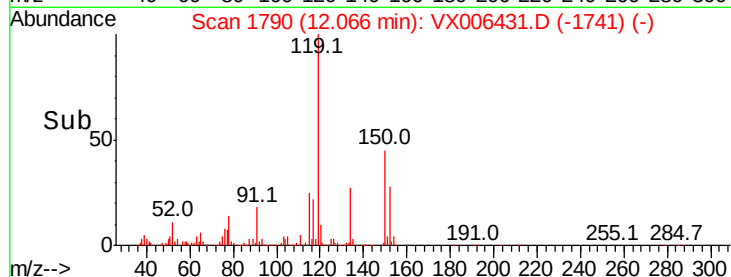
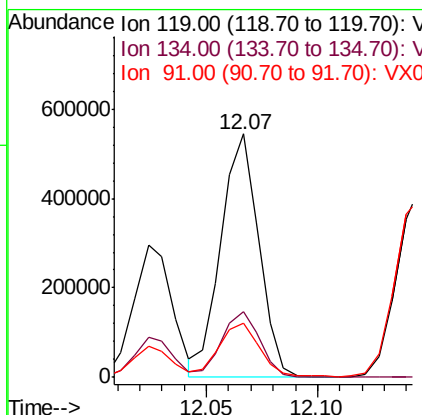
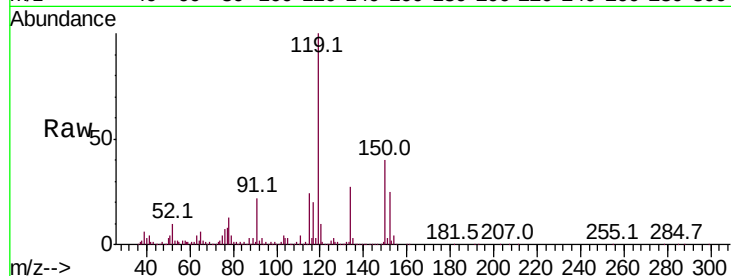




#86
 p-Isopropyltoluene
 Concen: 18.559 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX006431.D
 Acq: 11 Dec 2018 19:58

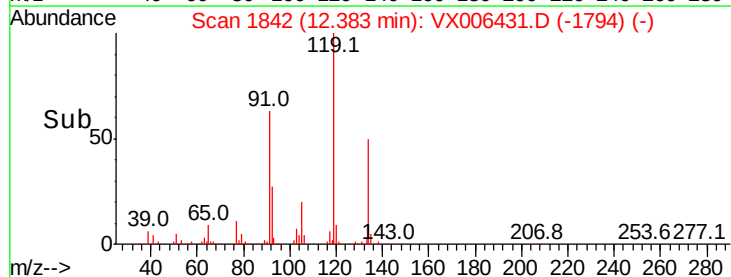
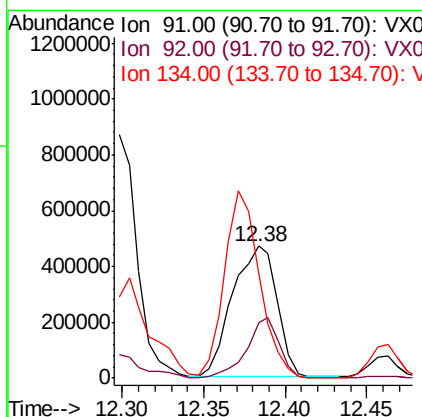
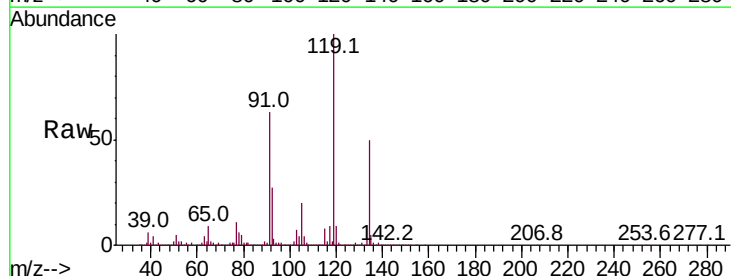
Instrument :
 MSVOA_X
 ClientSampleId :

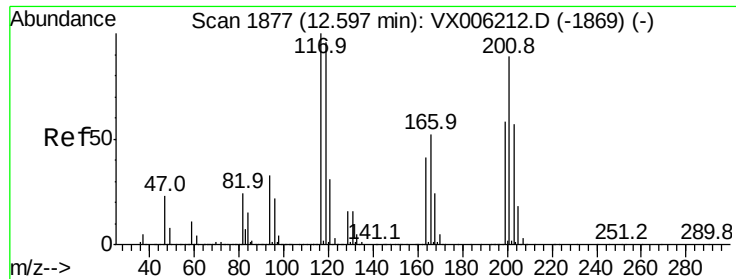
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.9	41.6
91	23.3	11.3	33.8



#89
 n-Butylbenzene
 Concen: 30.099 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: VX006431.D
 Acq: 11 Dec 2018 19:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	34.1	26.6	79.8
134	112.8	14.8	44.3





#90

Hexachloroethane

Concen: 22.269 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

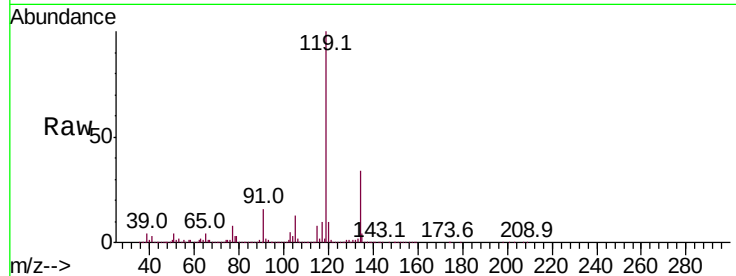
ClientSampleId :

Tot Ion:117 Resp: 156906

Ion Ratio Lower Upper

117 100

201 0.0 44.7 134.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

120000

100000

80000

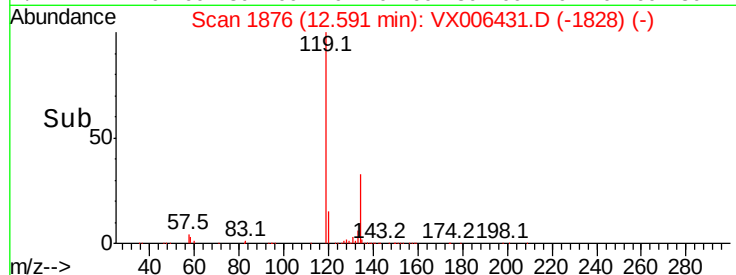
60000

40000

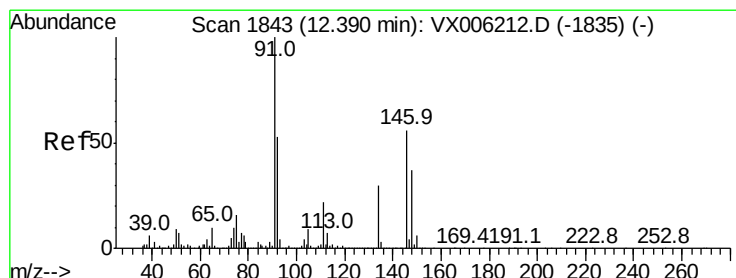
20000

0

Time-->



Time-->



#91

1,2-Dichlorobenzene

Concen: 0.405 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

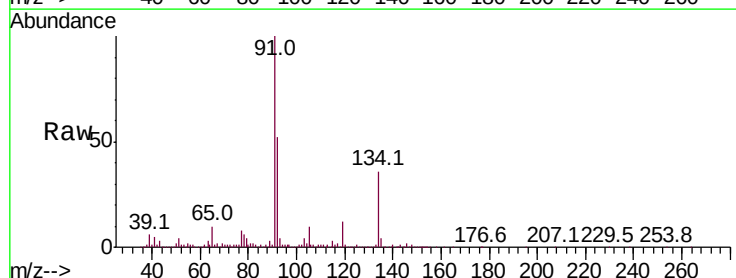
Tgt Ion:146 Resp: 7548

Ion Ratio Lower Upper

146 100

111 45.0 19.1 57.3

148 78.8 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

10000

8000

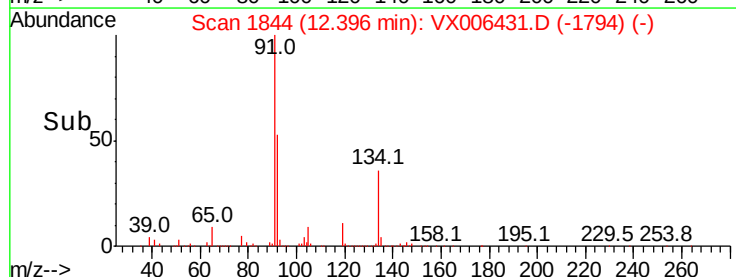
6000

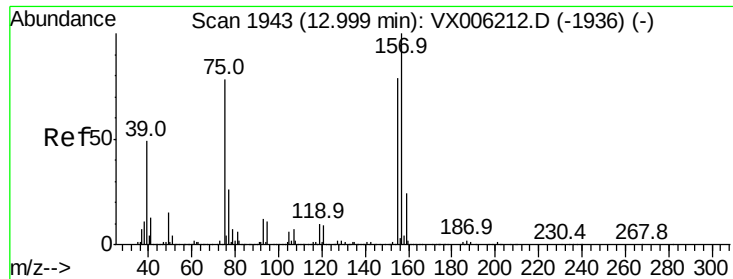
4000

2000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.988 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

Instrument :

MSVOA_X

ClientSampled :

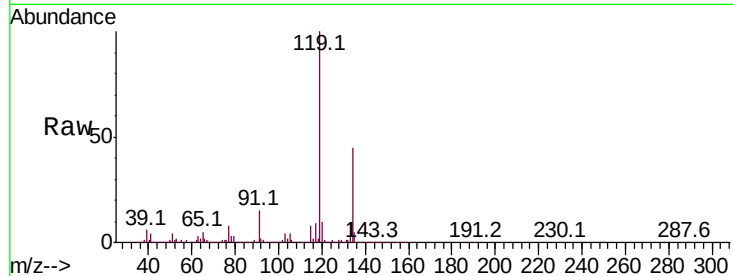
Tot Ion: 75 Resp: 12433

Ion Ratio Lower Upper

75 100

155 3.7 53.4 160.3#

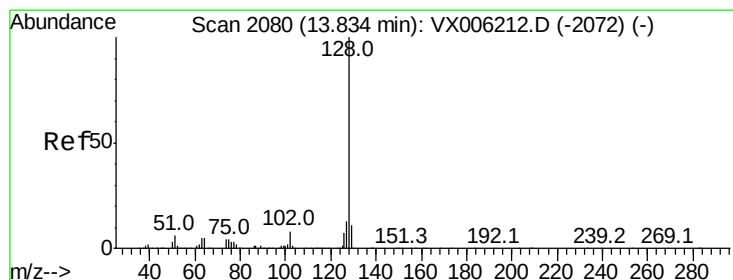
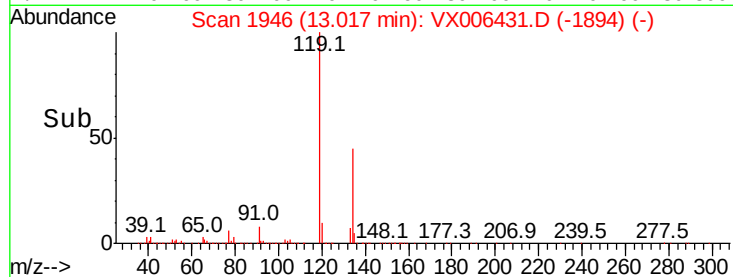
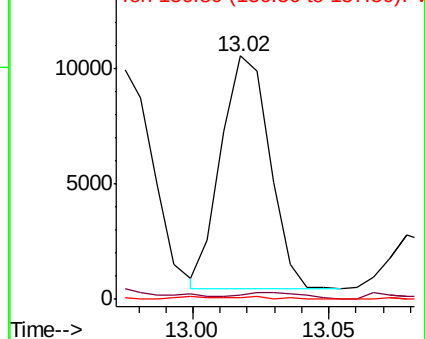
157 0.0 68.0 203.8#



Abundance Ion 74.90 (74.60 to 75.60): VX006431.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX006431.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX006431.D (-1894) (-)



#95

Naphthalene

Concen: 194.485 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006431.D

Acq: 11 Dec 2018 19:58

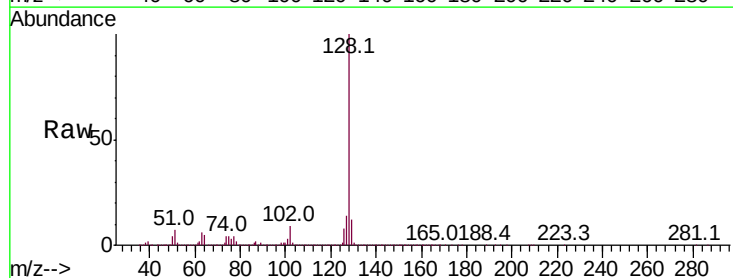
Tgt Ion:128 Resp: 8222877

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

129 11.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): VX006431.D (-2031) (-)

Ion 127.00 (126.70 to 127.70): VX006431.D (-2031) (-)

Ion 129.00 (128.70 to 129.70): VX006431.D (-2031) (-)

