

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061318\
 Data File : VX002531.D
 Acq On : 14 Jun 2018 02:15
 Operator : JC/MD
 Sample : J3383-15
 Misc : 5.71µ/5mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 03:36:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	382990	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	388985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	242087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	168332	43.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.50%	
35) Dibromofluoromethane	5.51	113	125304	41.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.20%	
50) Toluene-d8	8.72	98	595838	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	11.15	95	268889	60.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.80%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	738	Below Cal		90
5) Bromomethane	1.64	94	1909	Below Cal		90
8) Diethyl Ether	2.07	74	75	Below Cal		80
10) Methyl Iodide	2.48	142	2652	0.66	ug/l #	91
11) Tert butyl alcohol	3.03	59	18712	4.53	ug/l #	73
13) Acrolein	2.34	56	24017	55.91	ug/l #	81
14) Allyl chloride	2.80	41	165159	26.83	ug/l #	69
15) Acrylonitrile	3.13	53	59942	28.38	ug/l #	40
16) Acetone	2.50	43	2611	Below Cal		91
18) Methyl Acetate	2.80	43	413739	111.72	ug/l #	56
19) Methyl tert-butyl Ether	3.21	73	79	Below Cal		1
20) Methylene Chloride	2.93	84	71036	22.03	ug/l #	7
22) Diisopropyl ether	3.90	45	299	Below Cal		1
23) Vinyl Acetate	3.78	43	15379	1.54	ug/l #	80
25) 2-Butanone	4.76	43	1136	0.43	ug/l #	86
26) 2,2-Dichloropropane	4.51	77	1003	0.21	ug/l #	53
28) Bromochloromethane	5.04	49	176	Below Cal		13
29) Tetrahydrofuran	5.21	42	10071	5.98	ug/l #	1
30) Chloroform	5.26	83	83299	14.19	ug/l #	28
31) Cyclohexane	5.57	56	1696103	352.56	ug/l #	91
37) Ethyl Acetate	4.87	43	3100	0.64	ug/l #	1
38) Carbon Tetrachloride	5.67	117	23854	5.66	ug/l #	15
39) Methylcyclohexane	7.46	83	3245034	649.20	ug/l	98
40) Benzene	6.14	78	67581	5.47	ug/l	98
41) Methacrylonitrile	5.04	41	24795	8.95	ug/l #	53
43) Isopropyl Acetate	6.28	43	335205	40.76	ug/l #	63
45) 1,2-Dichloropropane	7.57	63	2458	0.74	ug/l #	1
46) Dibromomethane	7.63	93	4267	1.89	ug/l #	1
47) Bromodichloromethane	7.84	83	35784	8.76	ug/l #	1
48) Methyl methacrylate	7.73	41	241037	58.35	ug/l #	53
49) 1,4-Dioxane	7.79	88	19	0.25	ug/l #	22
51) 4-Methyl-2-Pentanone	8.67	43	145746	28.46	ug/l #	53
52) Toluene	8.79	92	23473	2.99	ug/l	99
55) 1,1,2-Trichloroethane	9.27	97	17120	5.30	ug/l #	1

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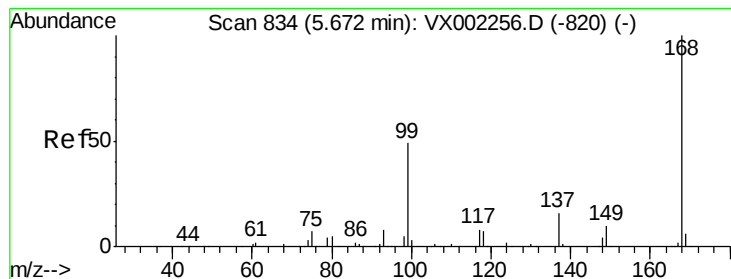
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 03:36:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

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

56) Ethyl methacrylate	9.16	69	139414	27.04	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.34	63	5506	2.31	ug/l #	48
59) 2-Hexanone	9.45	43	508375	128.51	ug/l #	33
60) Dibromochloromethane	9.35	129	705	0.22	ug/l	93
61) 1,2-Dibromoethane	9.66	107	1848	0.55	ug/l #	1
65) Chlorobenzene	10.07	112	7751	0.80	ug/l #	61
67) Ethyl Benzene	10.26	91	6639441	409.89	ug/l	99
68) m/p-Xylenes	10.37	106	888217	141.06	ug/l	99
69) o-Xylene	10.71	106	16445	2.62	ug/l	85
73) Isopropylbenzene	11.02	105	751028	44.60	ug/l	100
74) N-amyl acetate	6.28	43	335205	36.94	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	11.25	83	26110	4.93	ug/l #	8
76) 1,2,3-Trichloropropane	11.37	75	26426	4.97	ug/l #	1
78) n-propylbenzene	11.37	91	4125054	220.38	ug/l	99
79) 2-Chlorotoluene	11.46	91	468097	39.60	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	987584	68.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	9632	6.36	ug/l #	1
82) 4-Chlorotoluene	11.46	91	468097	34.31	ug/l #	44
83) tert-Butylbenzene	11.82	119	486095	34.56	ug/l #	60
84) 1,2,4-Trimethylbenzene	11.82	105	3831661	257.69	ug/l	97
85) sec-Butylbenzene	11.95	105	330667	20.05	ug/l #	56
86) p-Isopropyltoluene	12.07	119	140000	9.32	ug/l	95
89) n-Butylbenzene	12.40	91	1309639	103.96	ug/l #	73
90) Hexachloroethane	12.59	117	281425	117.37	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.02	75	25289	21.83	ug/l #	2
93) 1,2,4-Trichlorobenzene	13.65	180	1430	0.23	ug/l #	1
95) Naphthalene	13.84	128	3269344	185.54	ug/l	98
96) 1,2,3-Trichlorobenzene	14.04	180	1534	0.25	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Instrument :

MSVOA_X

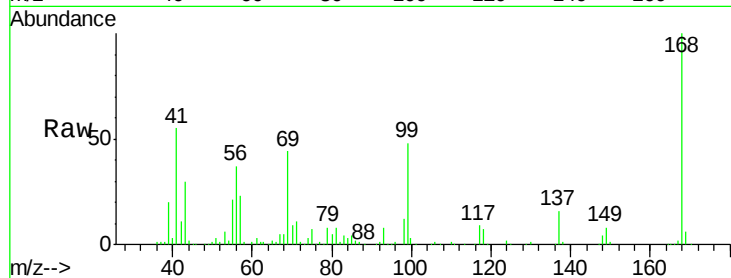
ClientSampled :

Tot Ion:168 Resp: 266442

Ion Ratio Lower Upper

168 100

99 47.2 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

100000

80000

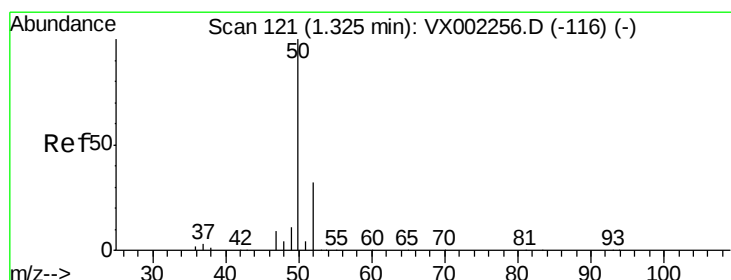
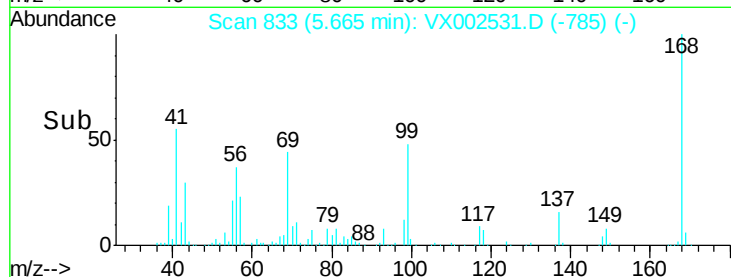
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002531.D

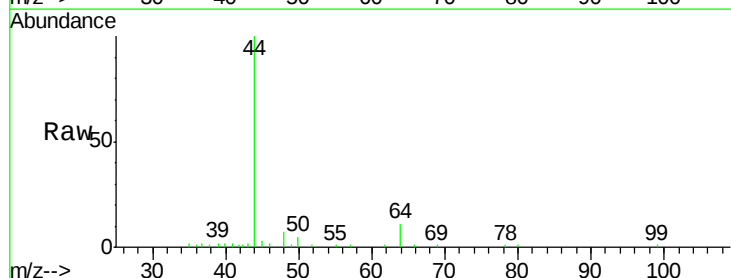
Acq: 14 Jun 2018 02:15

Tgt Ion: 50 Resp: 738

Ion Ratio Lower Upper

50 100

52 26.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

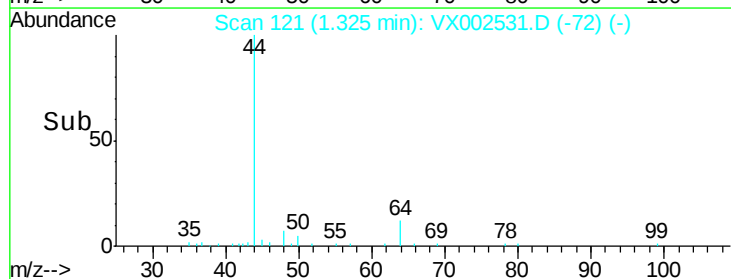
300

200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Instrument :

MSVOA_X

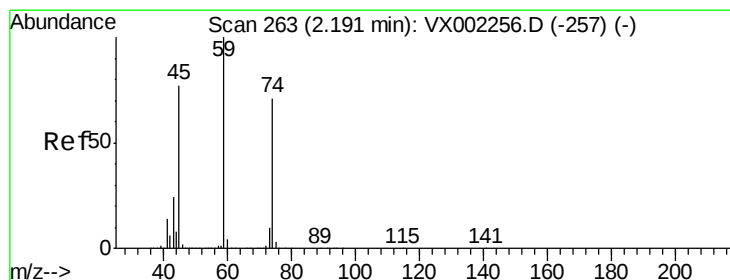
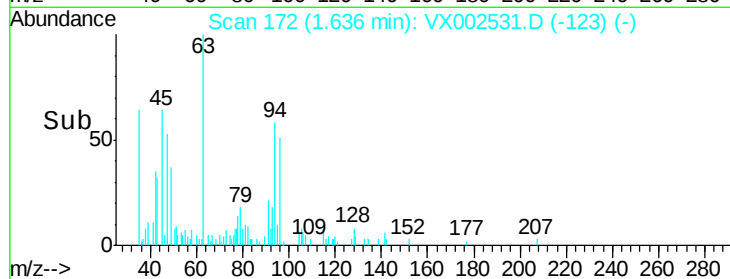
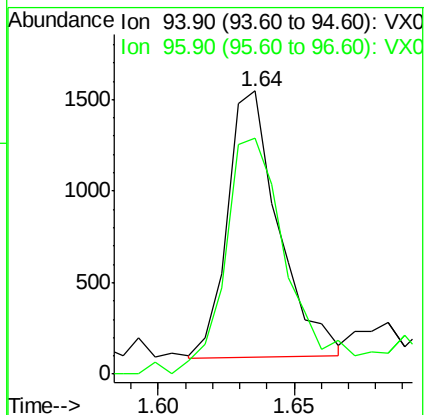
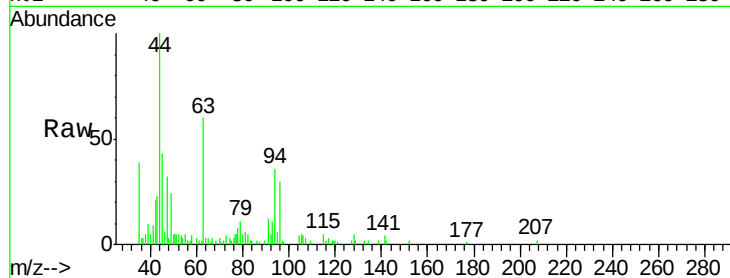
ClientSampleId :

Tot Ion: 94 Resp: 1909

Ion Ratio Lower Upper

94 100

96 84.3 74.9 112.3



#8

Diethyl Ether

Concen: Below Cal

RT: 2.07 min Scan# 244

Delta R.T. -0.12 min

Lab File: VX002531.D

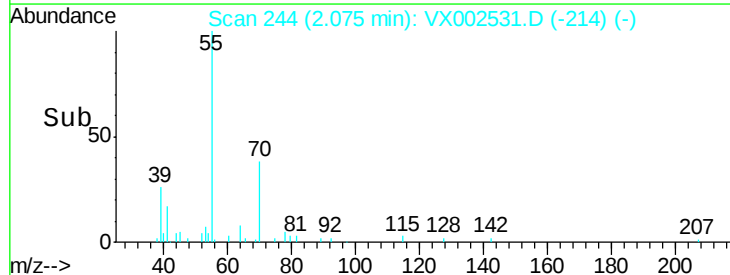
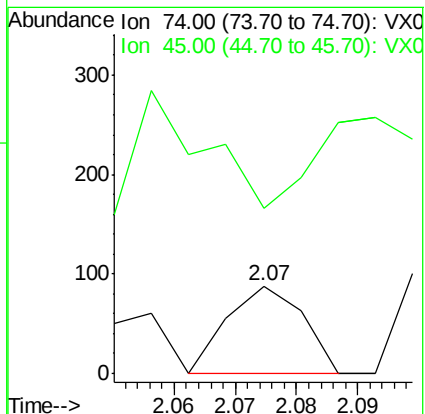
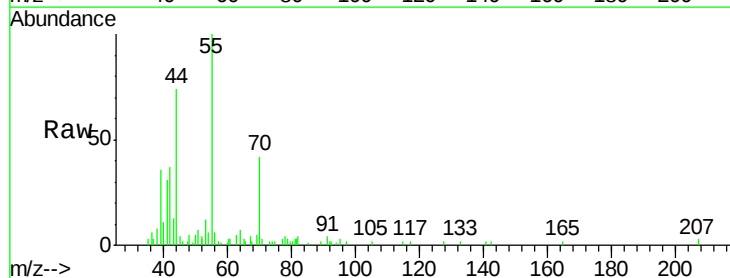
Acq: 14 Jun 2018 02:15

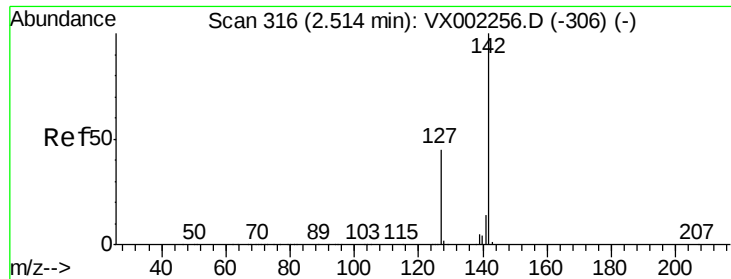
Tgt Ion: 74 Resp: 75

Ion Ratio Lower Upper

74 100

45 126.7 53.1 159.4

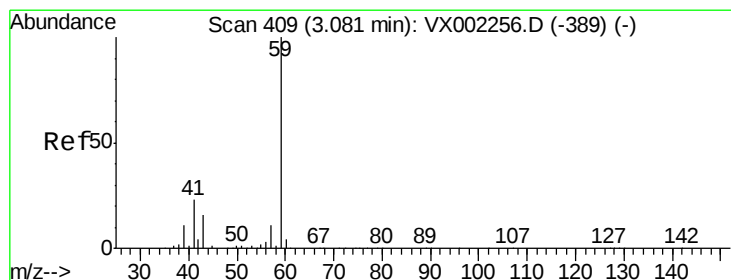
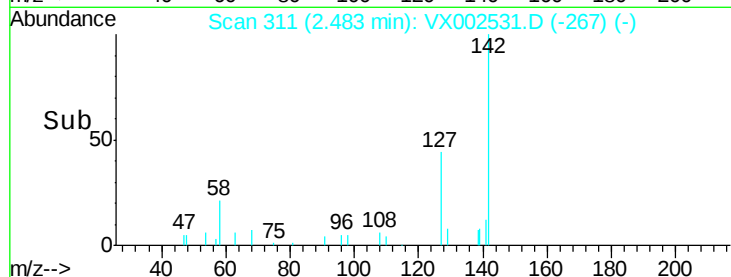
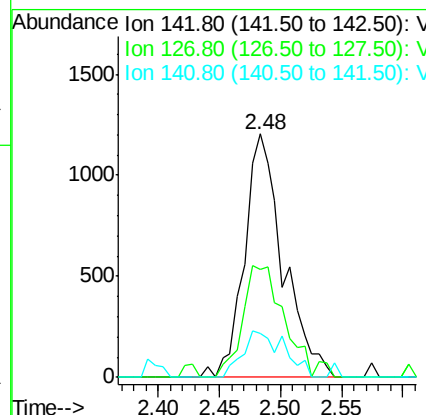
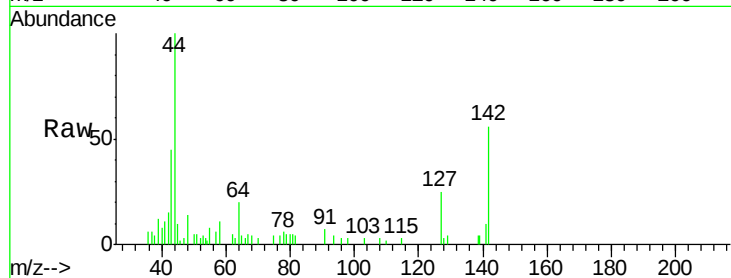




#10
Methvl Iodide
Concen: 0.66 ug/l
RT: 2.48 min Scan# 311
Delta R.T. -0.03 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

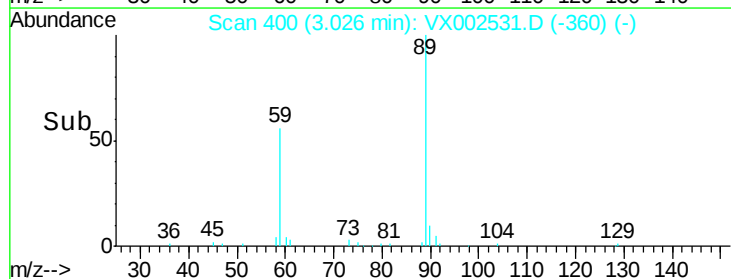
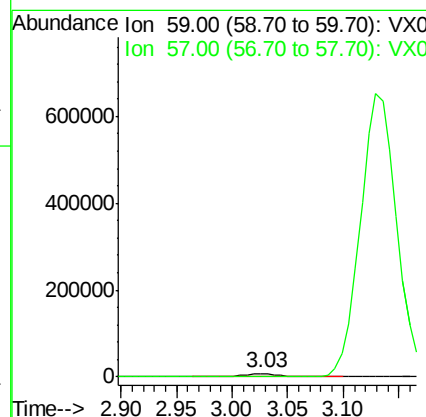
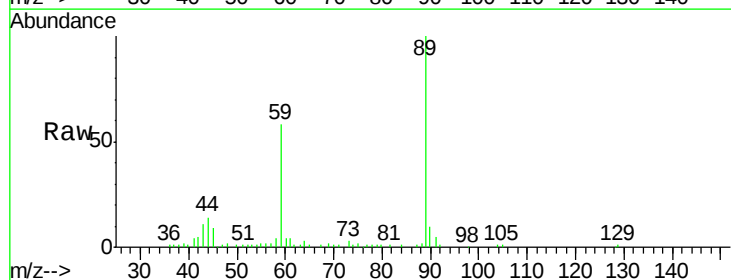
Instrument :
MSVOA_X
ClientSampleId :

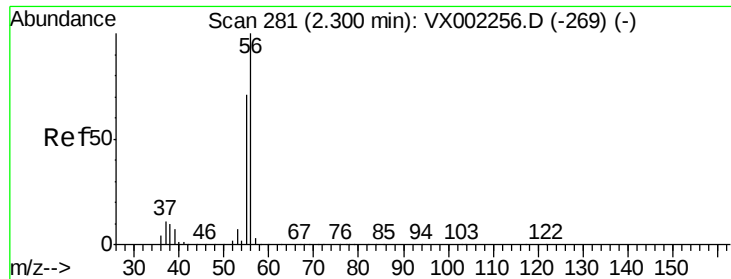
Tot Ion:142 Resp: 2652
Ion Ratio Lower Upper
142 100
127 50.4 36.6 55.0
141 20.4 11.3 16.9#



#11
Tert butyl alcohol
Concen: 4.53 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

Tgt Ion: 59 Resp: 18712
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 55.91 ug/l

RT: 2.34 min Scan# 288

Delta R.T. 0.04 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

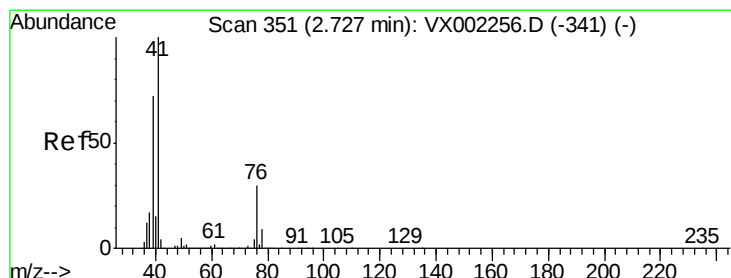
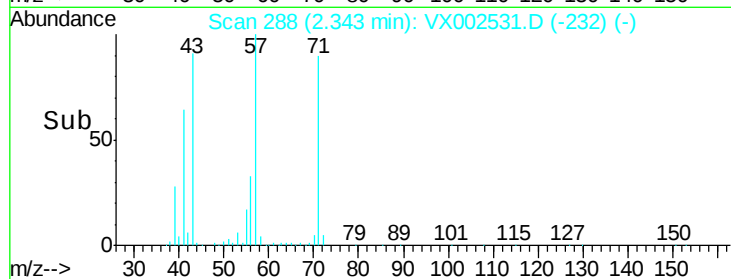
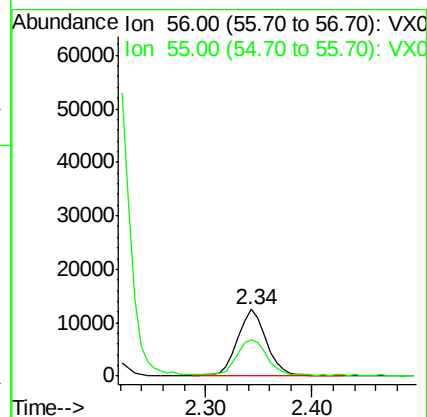
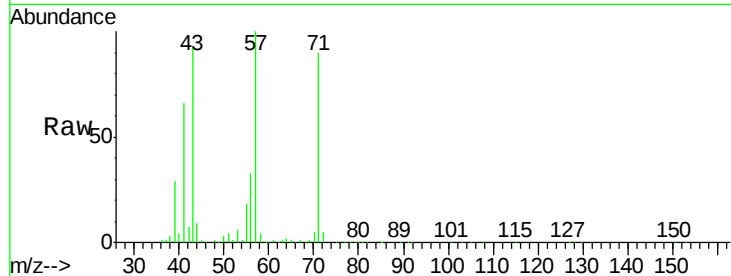
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 24017

Ion Ratio Lower Upper

56 100

55 55.8 57.0 85.4#



#14

Allyl chloride

Concen: 26.83 ug/l

RT: 2.80 min Scan# 363

Delta R.T. 0.07 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

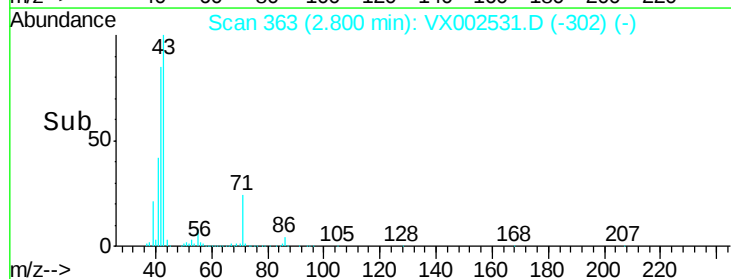
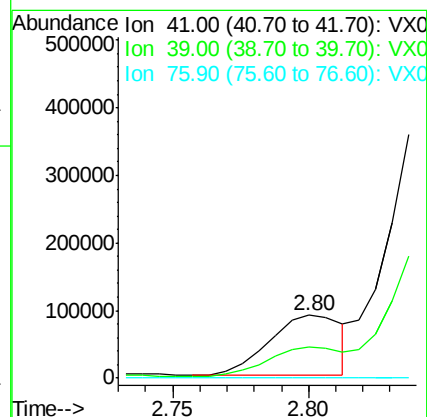
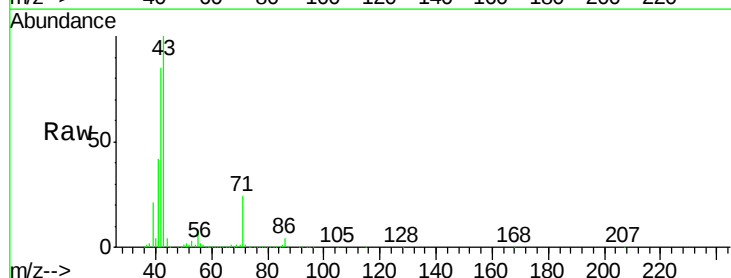
Tgt Ion: 41 Resp: 165159

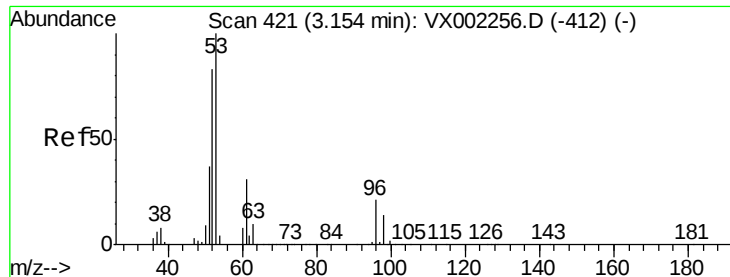
Ion Ratio Lower Upper

41 100

39 53.8 56.8 85.2#

76 0.0 23.8 35.8#





#15

Acrylonitrile

Concen: 28.38 ug/l

RT: 3.13 min Scan# 417

Delta R.T. -0.02 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Instrument :

MSVOA_X

ClientSampleId :

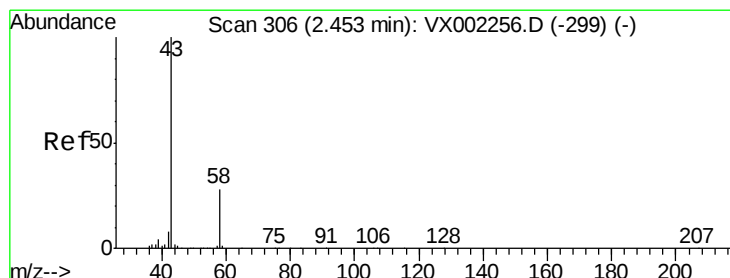
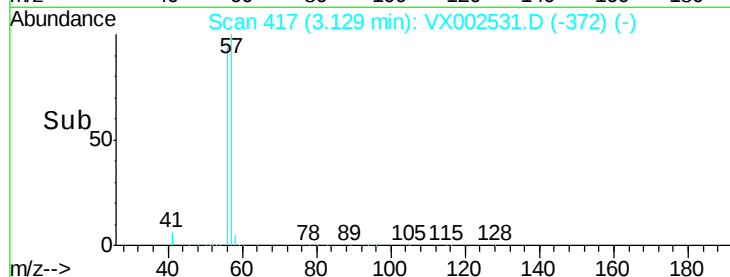
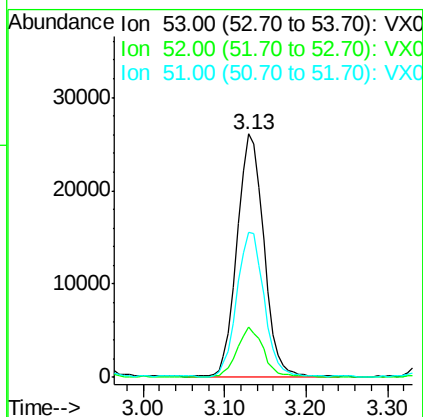
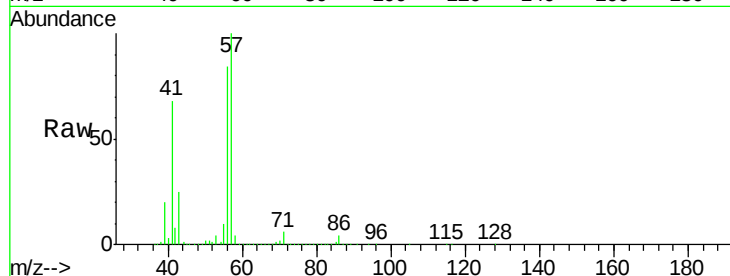
Tot Ion: 53 Resp: 59942

Ion Ratio Lower Upper

53 100

52 20.5 66.7 100.1#

51 59.4 29.9 44.9#



#16

Acetone

Concen: Below Cal

RT: 2.50 min Scan# 313

Delta R.T. 0.04 min

Lab File: VX002531.D

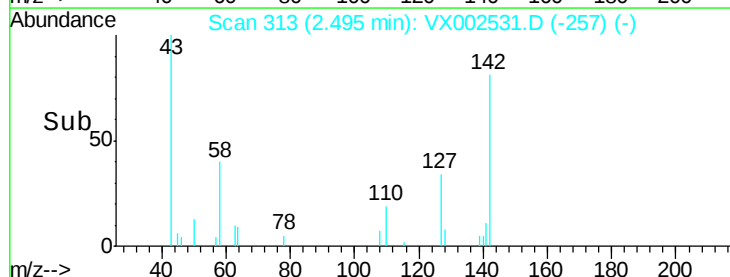
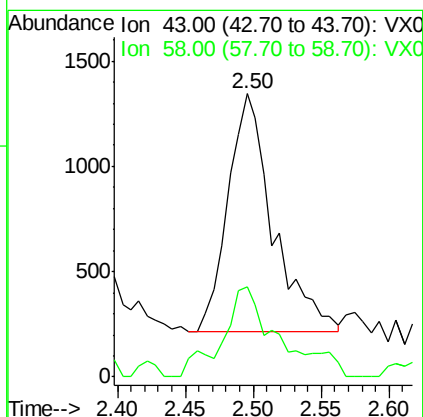
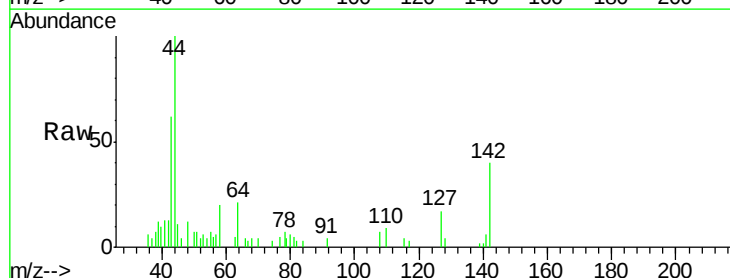
Acq: 14 Jun 2018 02:15

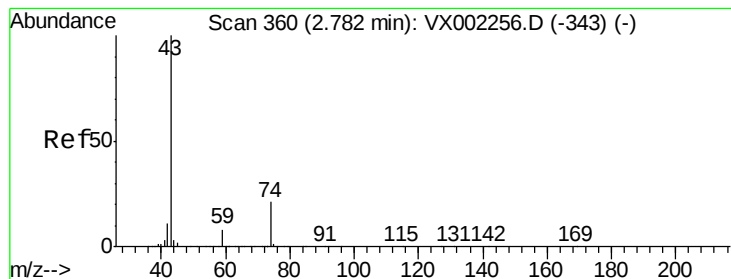
Tgt Ion: 43 Resp: 2611

Ion Ratio Lower Upper

43 100

58 32.2 22.1 33.1





#18

Methyl Acetate

Concen: 111.72 ug/l

RT: 2.80 min Scan# 363

Delta R.T. 0.02 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Instrument :

MSVOA_X

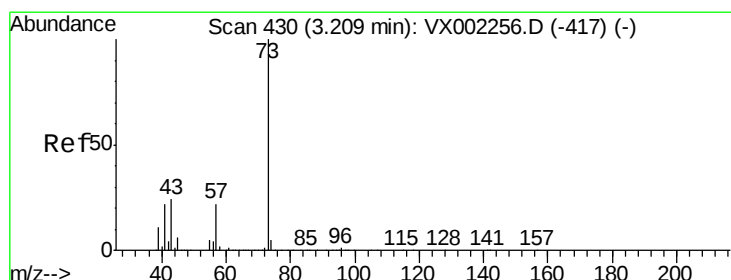
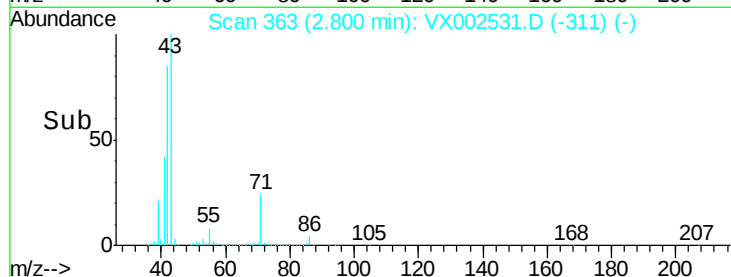
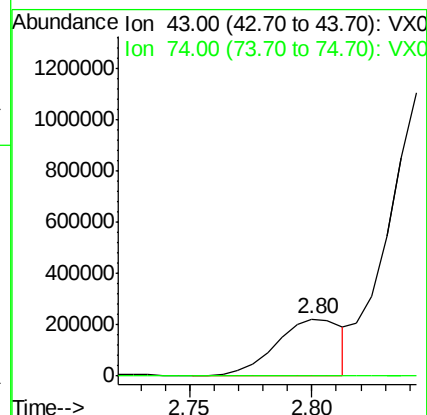
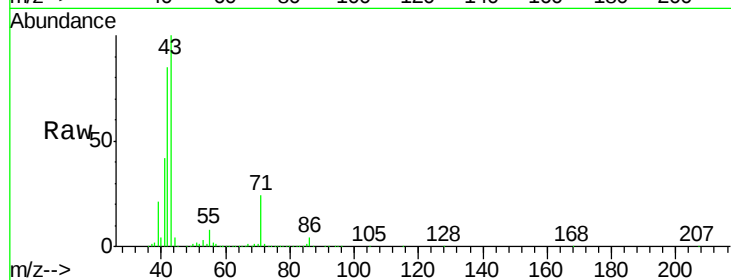
ClientSampleId :

Tot Ion: 43 Resp: 413739

Ion Ratio Lower Upper

43 100

74 0.2 16.7 25.1#



#19

Methyl tert-butyl Ether

Concen: Below Cal

RT: 3.21 min Scan# 430

Delta R.T. 0.00 min

Lab File: VX002531.D

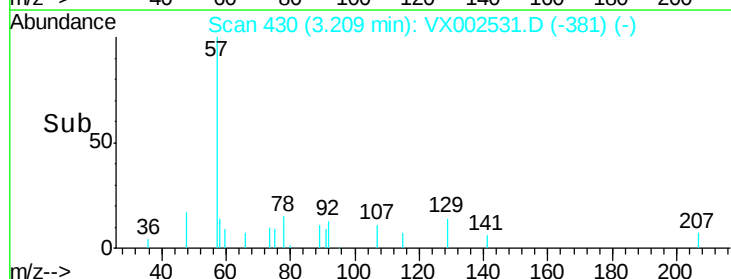
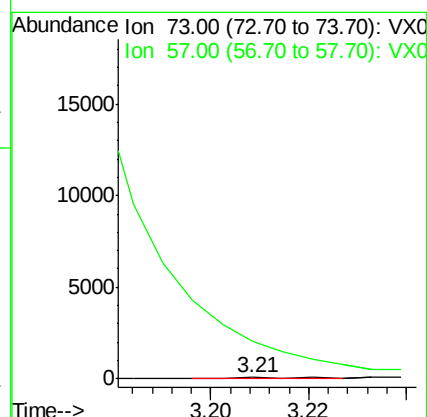
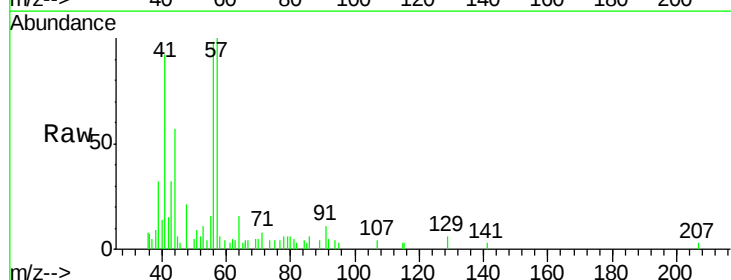
Acq: 14 Jun 2018 02:15

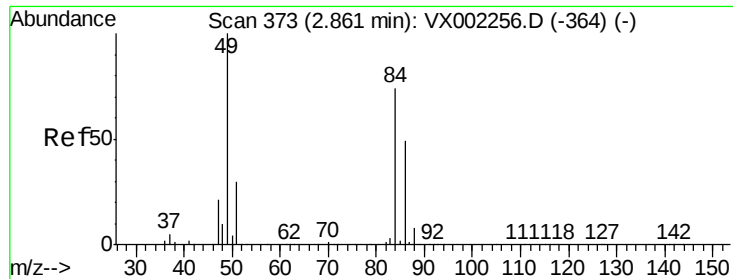
Tgt Ion: 73 Resp: 79

Ion Ratio Lower Upper

73 100

57 1501.2 17.7 26.5#

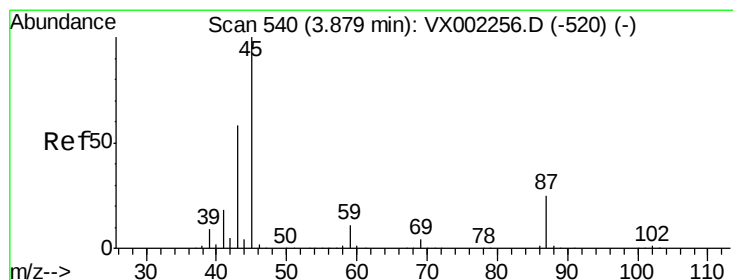
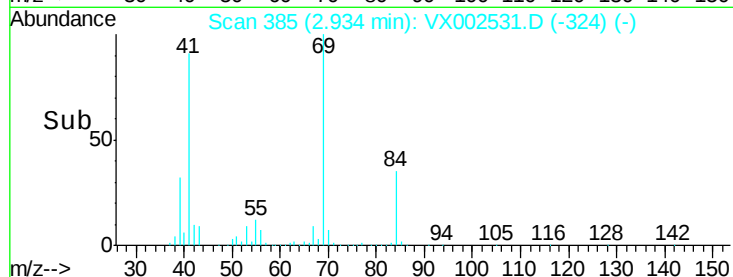
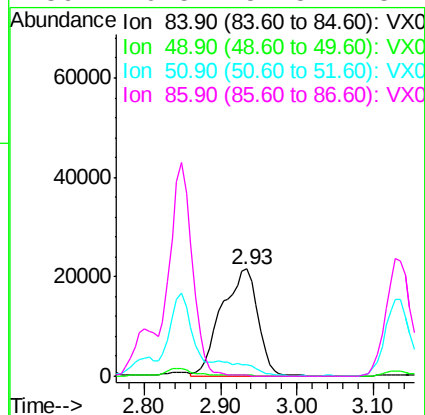
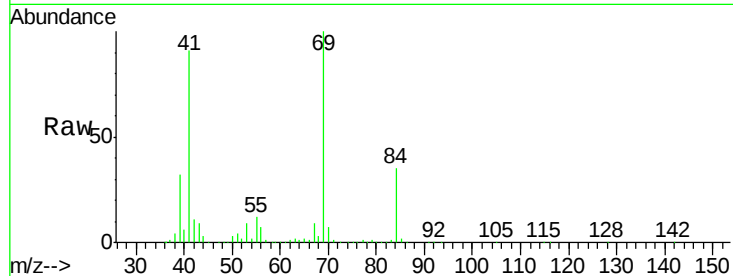




#20
Methvlene Chloride
Concen: 22.03 ua/l
RT: 2.93 min Scan# 385
Delta R.T. 0.07 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

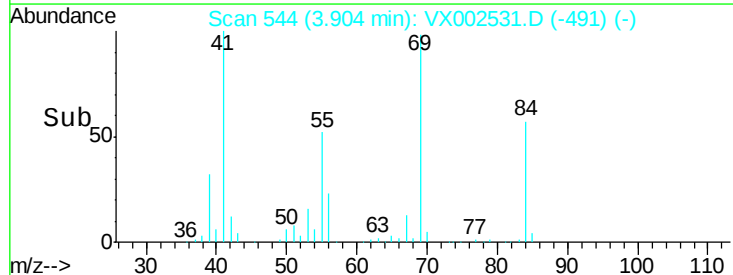
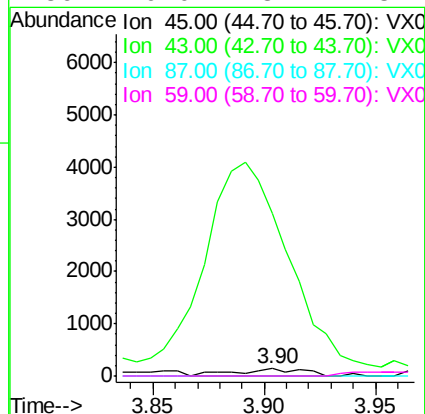
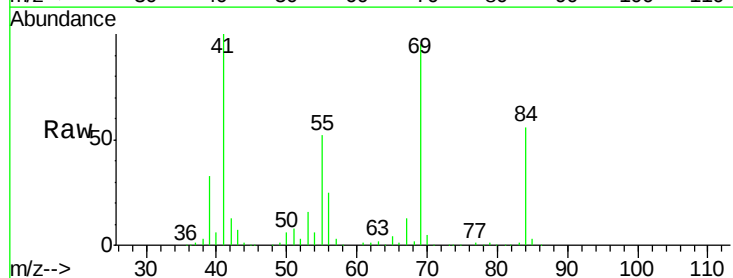
Instrument :
MSVOA_X
ClientSampleId :

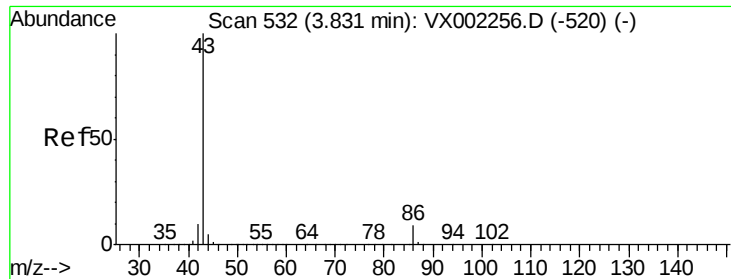
Tot Ion: 84 Resp: 71036
Ion Ratio Lower Upper
84 100
49 0.9 107.8 161.6#
51 10.2 32.8 49.2#
86 0.5 52.5 78.7#



#22
Diisopropyl ether
Concen: Below Cal
RT: 3.90 min Scan# 544
Delta R.T. 0.02 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

Tgt Ion: 45 Resp: 299
Ion Ratio Lower Upper
45 100
43 1906.3 46.8 70.2#
87 0.0 20.2 30.4#
59 0.0 8.7 13.1#





#23

Vinyl Acetate

Concen: 1.54 ug/l

RT: 3.78 min Scan# 524

Delta R.T. -0.05 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

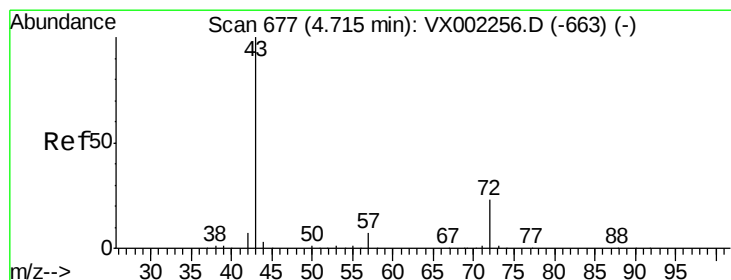
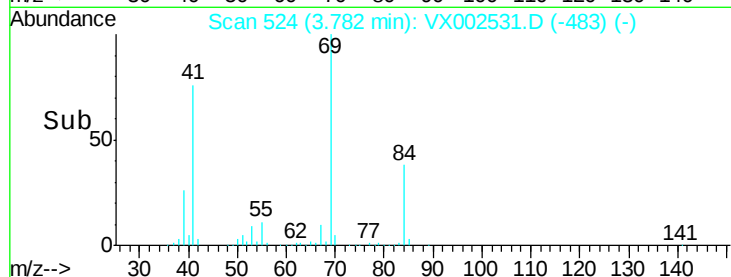
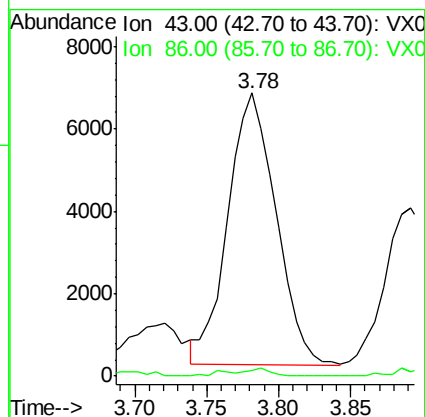
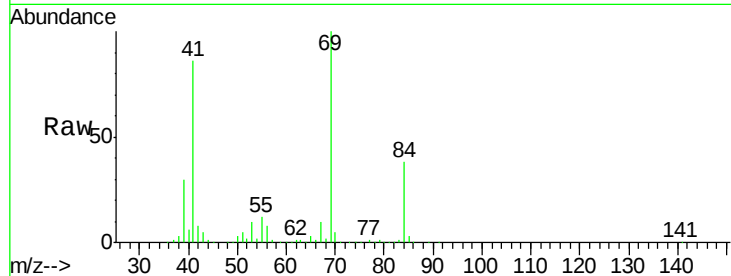
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 15379

Ion Ratio Lower Upper

43 100

86 2.0 7.4 11.0#



#25

2-Butanone

Concen: 0.43 ug/l

RT: 4.76 min Scan# 685

Delta R.T. 0.05 min

Lab File: VX002531.D

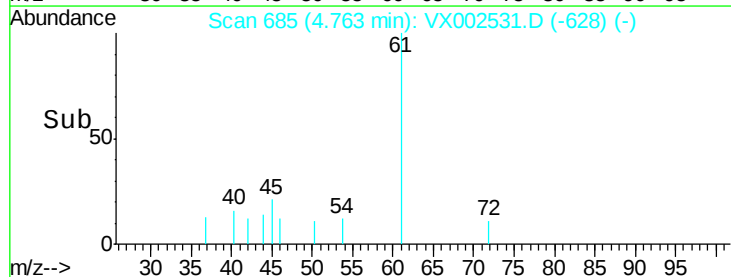
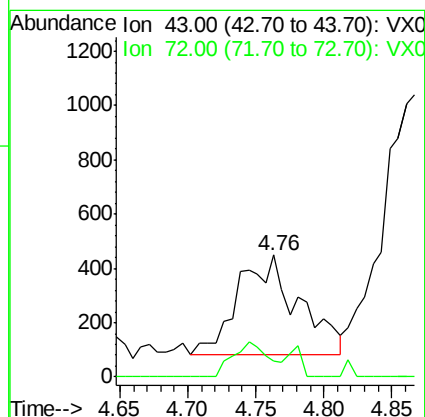
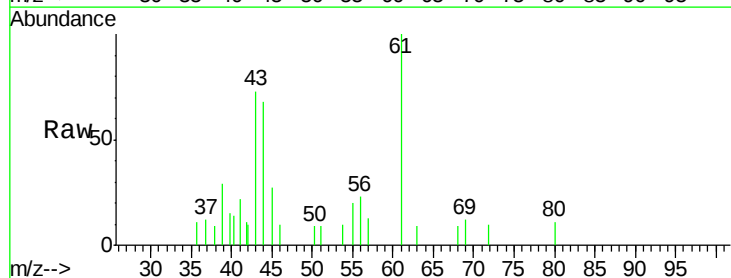
Acq: 14 Jun 2018 02:15

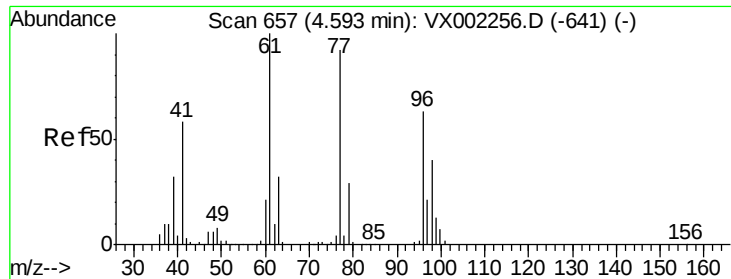
Tgt Ion: 43 Resp: 1136

Ion Ratio Lower Upper

43 100

72 16.5 18.5 27.7#





#26

2,2-Dichloropropane

Concen: 0.21 ug/l

RT: 4.51 min Scan# 643

Delta R.T. -0.09 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

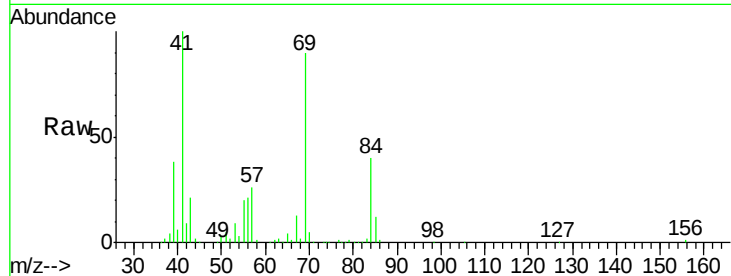
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 77 Resp: 1003

Ion Ratio Lower Upper

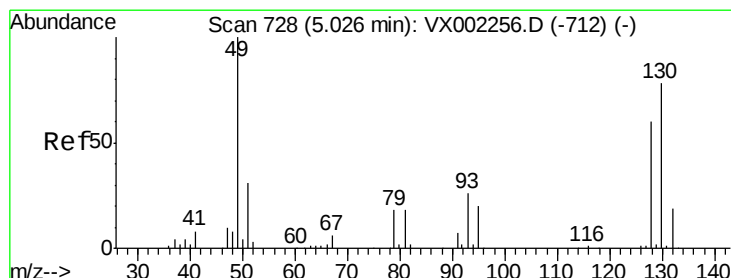
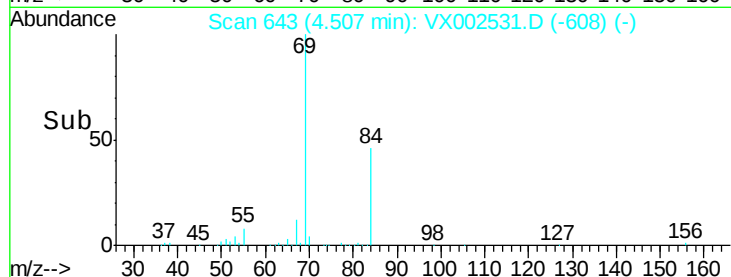
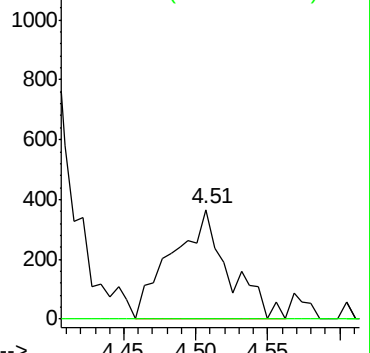
77 100

97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 731

Delta R.T. 0.02 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

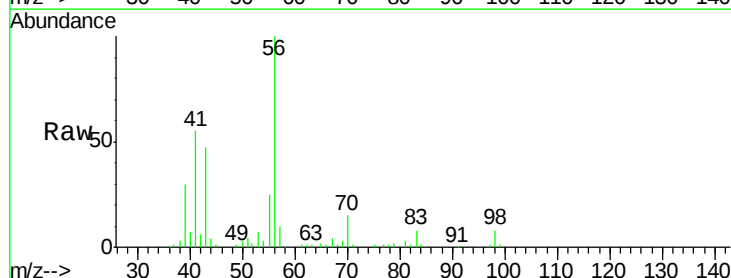
Tgt Ion: 49 Resp: 176

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

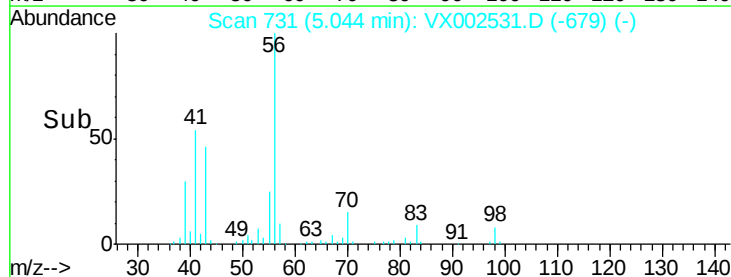
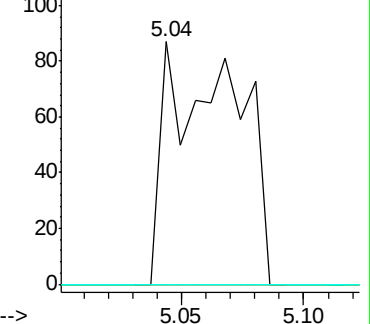
130 0.0 61.2 91.8#

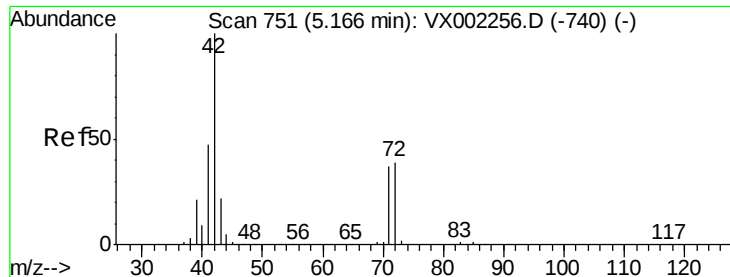


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

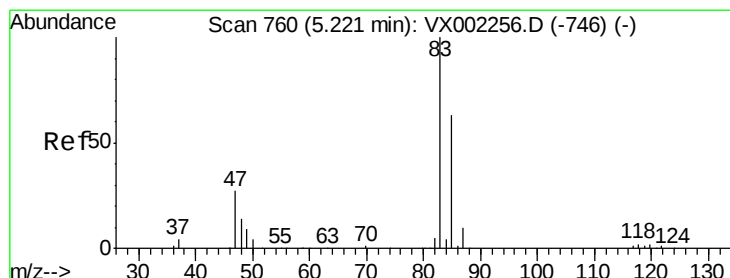
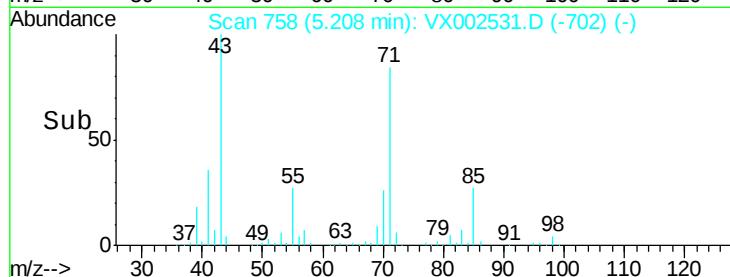
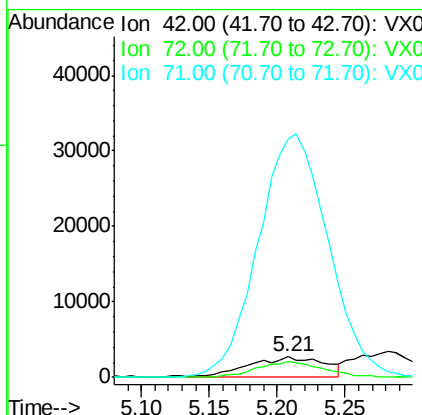
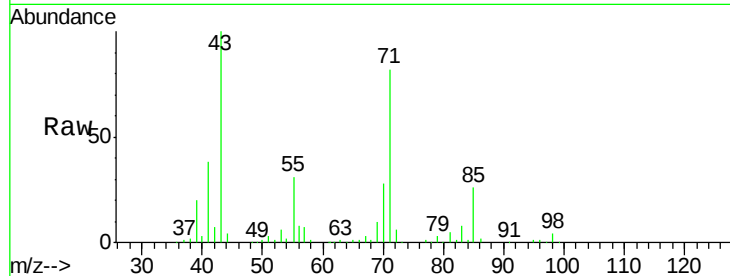




#29
Tetrahydrofuran
Concen: 5.98 ug/l
RT: 5.21 min Scan# 758
Delta R.T. 0.04 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

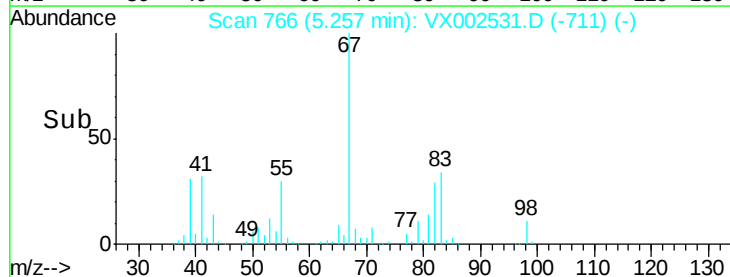
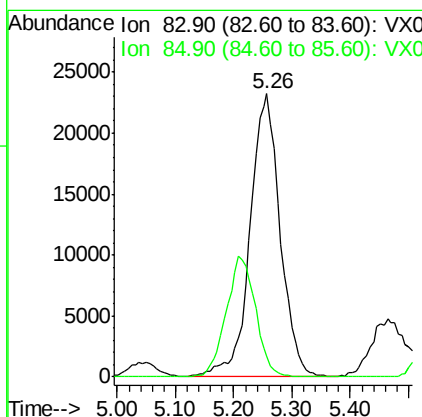
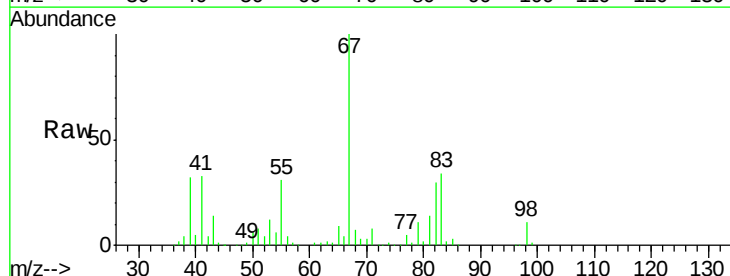
Instrument :
MSVOA_X
ClientSampleId :

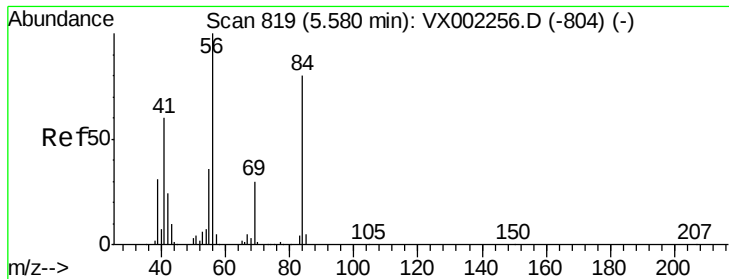
Tot Ion: 42 Resp: 10071
Ion Ratio Lower Upper
42 100
72 71.8 32.0 48.0#
71 1152.7 30.1 45.1#



#30
Chloroform
Concen: 14.19 ug/l
RT: 5.26 min Scan# 766
Delta R.T. 0.04 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

Tgt Ion: 83 Resp: 83299
Ion Ratio Lower Upper
83 100
85 7.4 50.4 75.6#

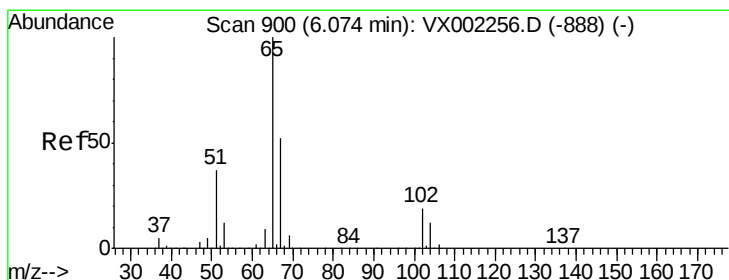
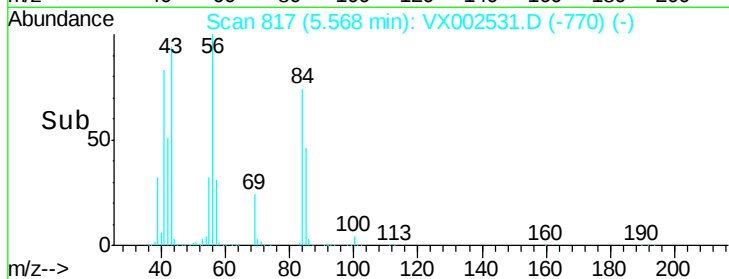
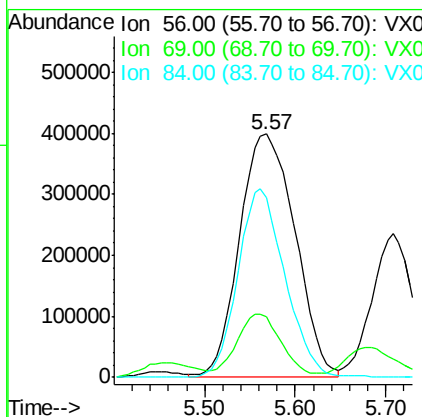
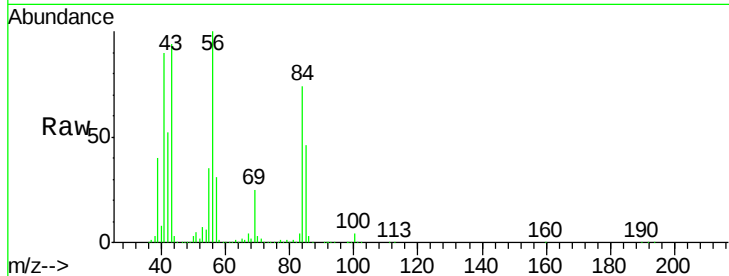




#31
Cyclohexane
Concen: 352.56 ug/l
RT: 5.57 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

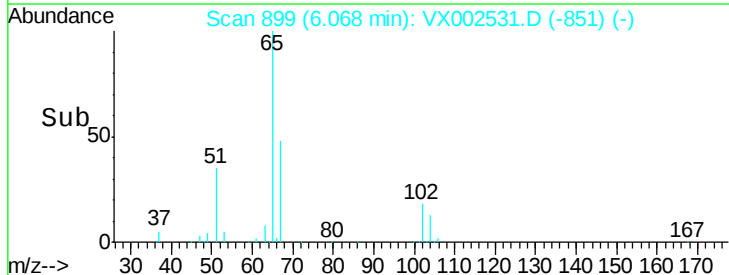
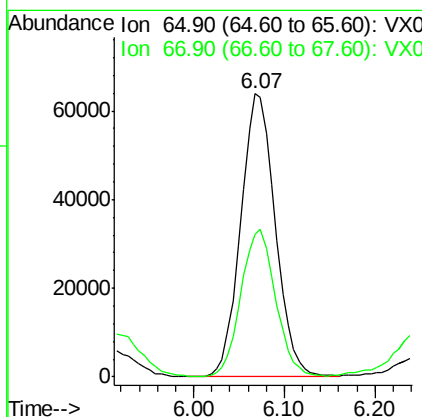
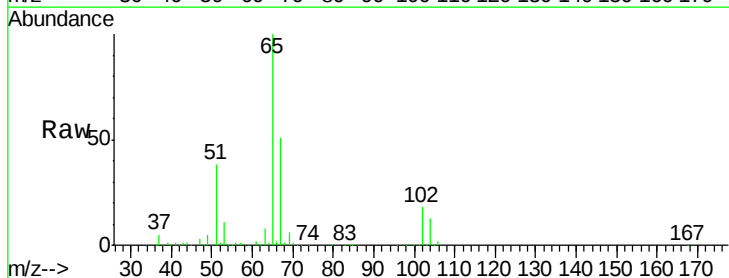
Instrument :
MSVOA_X
ClientSampleId :

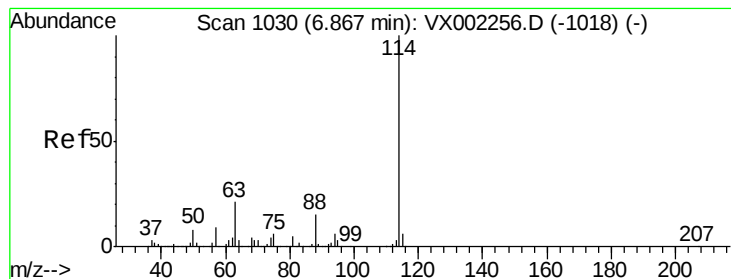
Tot Ion: 56 Resp: 1696103
Ion Ratio Lower Upper
56 100
69 20.7 23.7 35.5#
84 74.1 64.1 96.1



#33
1,2-Dichloroethane-d4
Concen: 43.75 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.01 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

Tgt Ion: 65 Resp: 168332
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Instrument :
MSVOA_X
ClientSampleId :

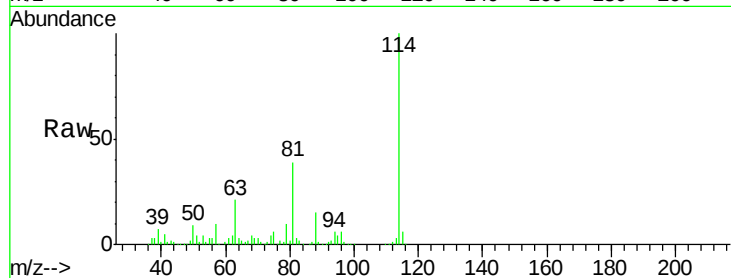
Tot Ion:114 Resp: 382990

Ion Ratio Lower Upper

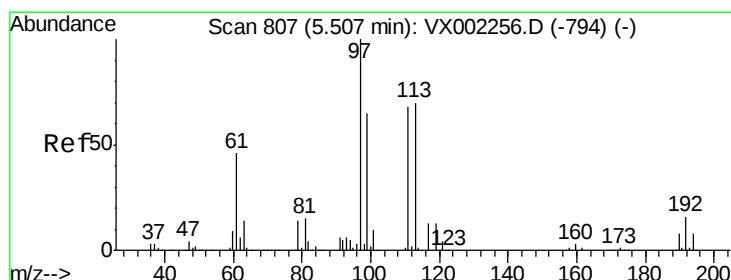
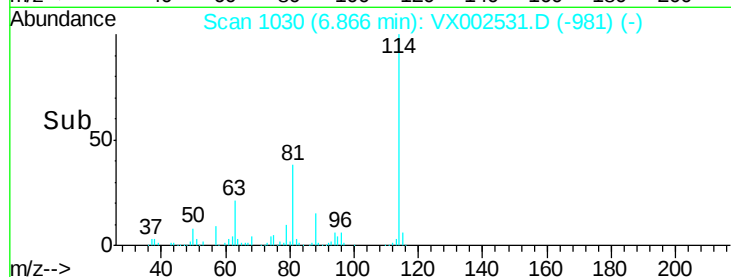
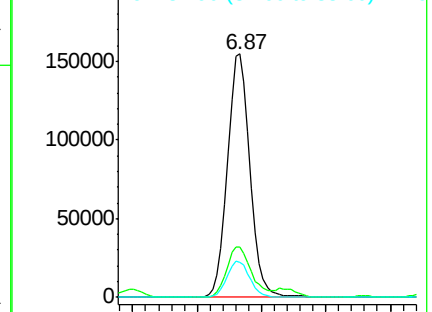
114 100

63 20.8 0.0 41.4

88 14.5 0.0 30.0



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: 41.60 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

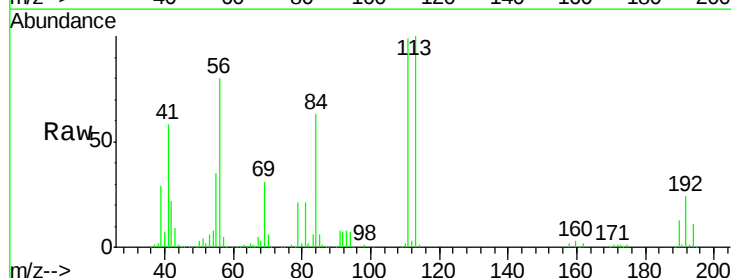
Tgt Ion:113 Resp: 125304

Ion Ratio Lower Upper

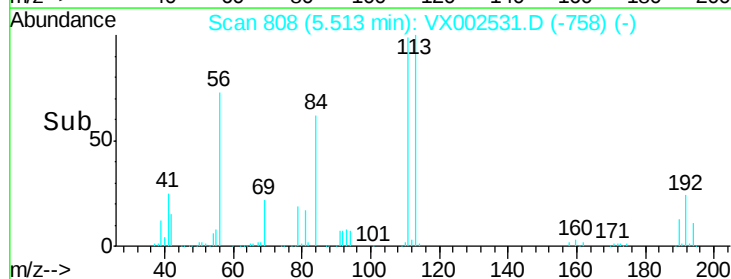
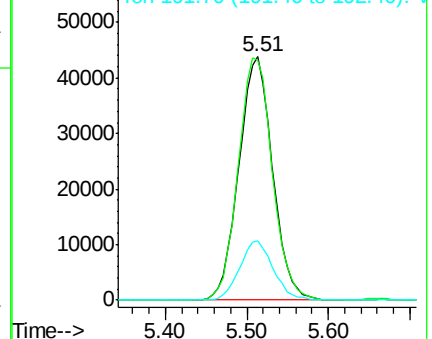
113 100

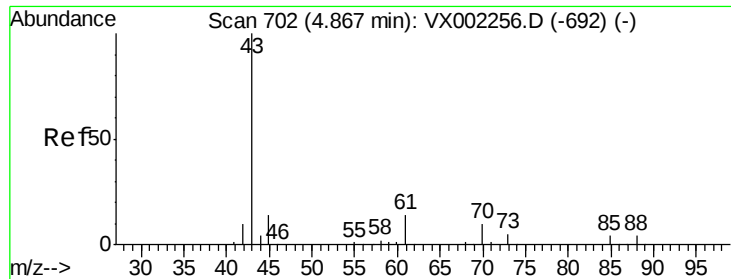
111 100.8 81.4 122.0

192 24.2 19.1 28.7



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

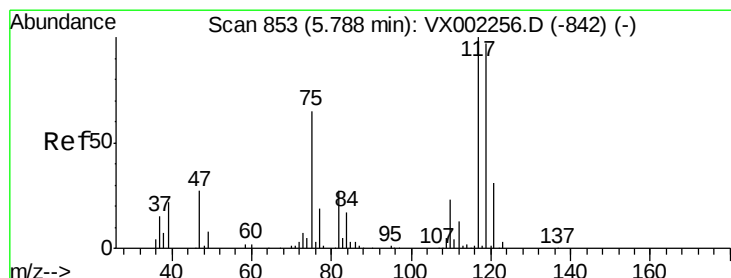
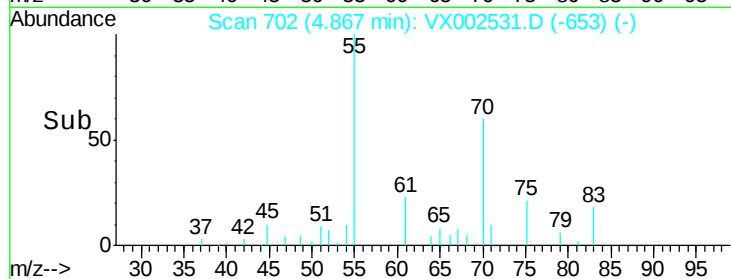
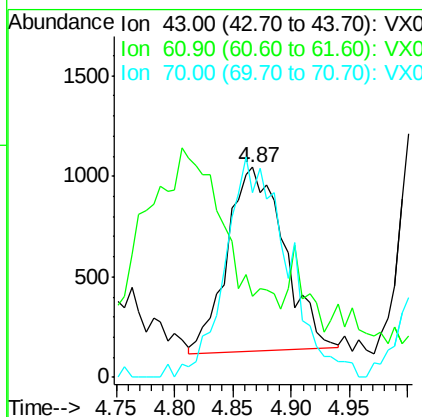
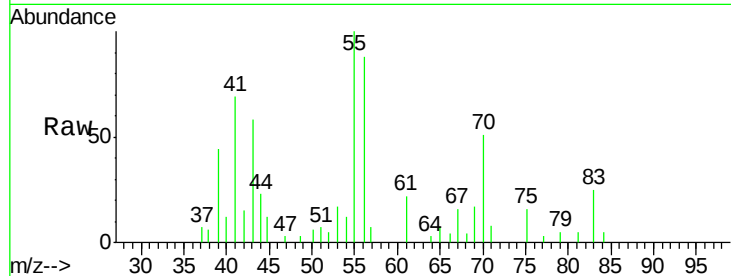




#37
Ethyl Acetate
Concen: 0.64 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

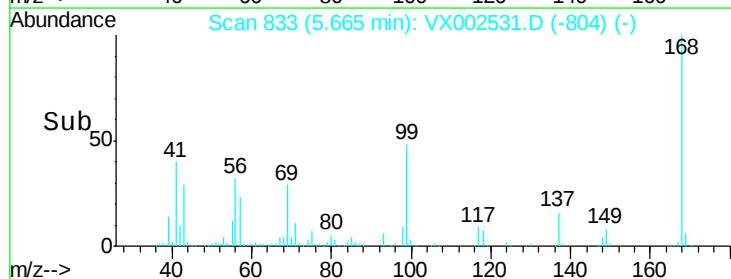
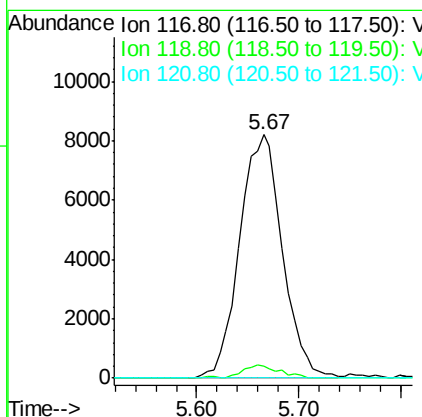
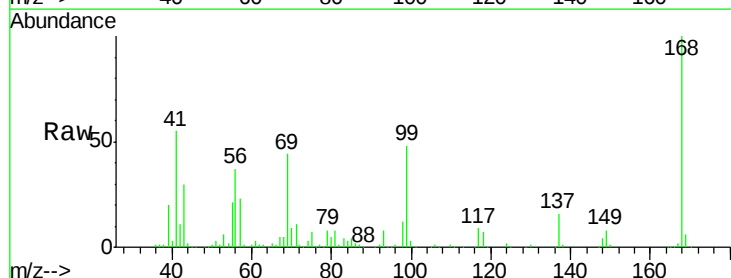
Instrument :
MSVOA_X
ClientSampleId :

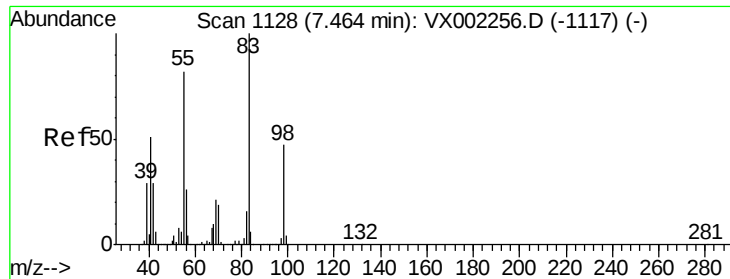
Tot Ion: 43 Resp: 3100
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 129.9 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 5.66 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

Tgt Ion: 117 Resp: 23854
Ion Ratio Lower Upper
117 100
119 4.7 77.4 116.0#
121 0.0 24.4 36.6#

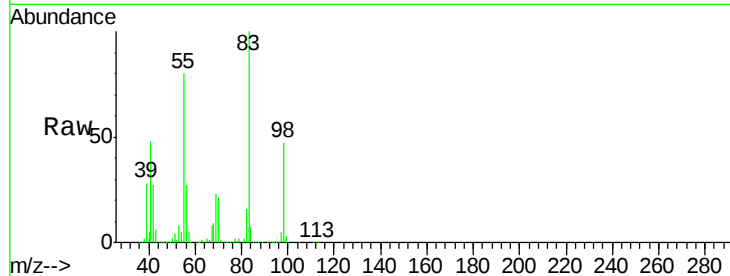




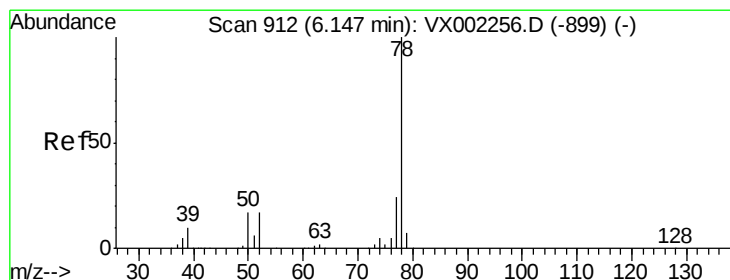
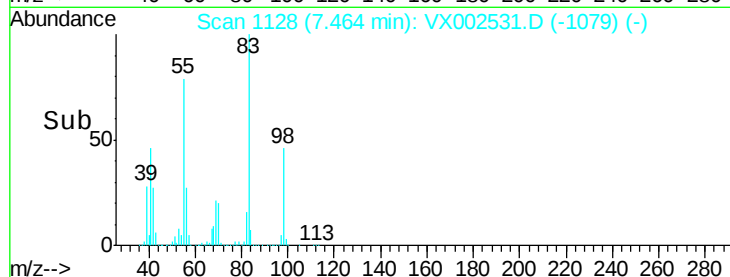
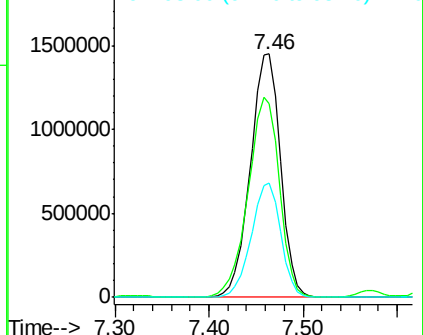
#39
Methvlcvclohexane
Concen: 649.20 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 3245034
Ion Ratio Lower Upper
83 100
55 79.5 65.4 98.0
98 46.8 37.4 56.0

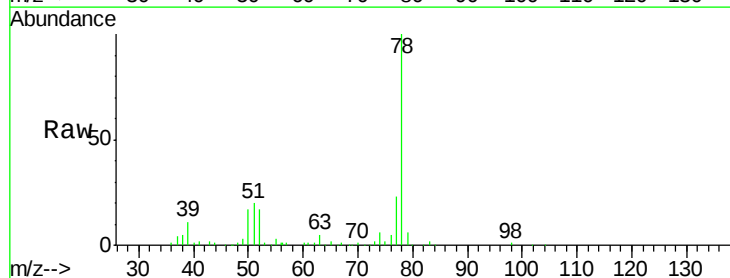


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

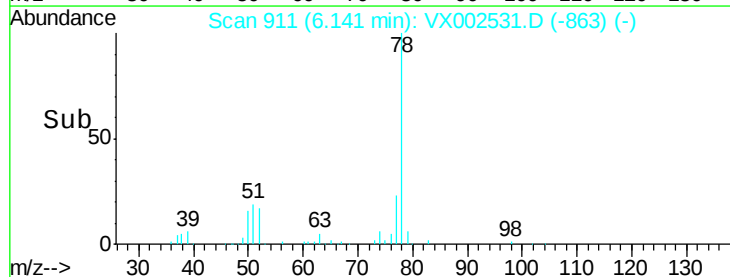
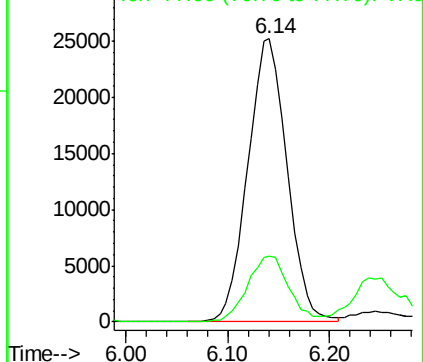


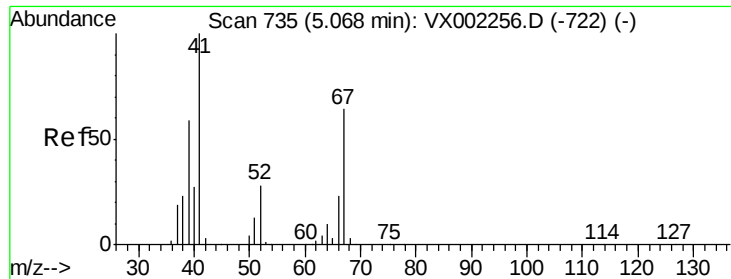
#40
Benzene
Concen: 5.47 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

Tgt Ion: 78 Resp: 67581
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7



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





#41

Methacrylonitrile

Concen: 8.95 ug/l

RT: 5.04 min Scan# 731

Delta R.T. -0.02 min

Lab File: VX002531.D

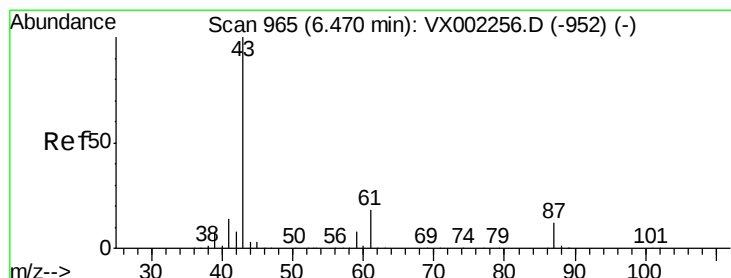
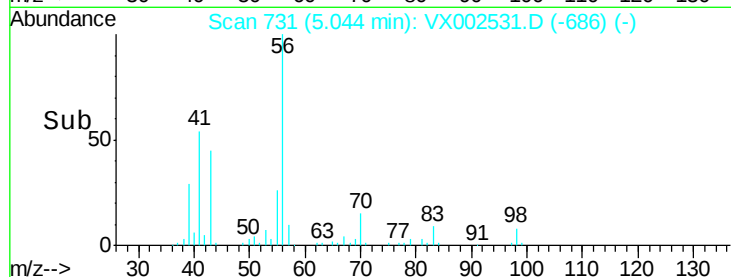
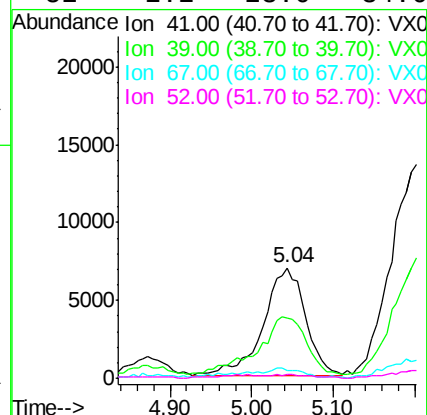
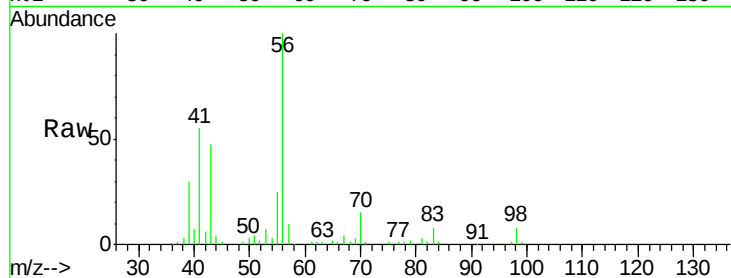
Acq: 14 Jun 2018 02:15

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	41	Resp:	24795
Ion	Ratio	Lower	Upper
41	100		
39	61.3	45.8	68.6
67	0.0	51.3	76.9#
52	2.2	23.0	34.6#



#43

Isopropyl Acetate

Concen: 40.76 ug/l

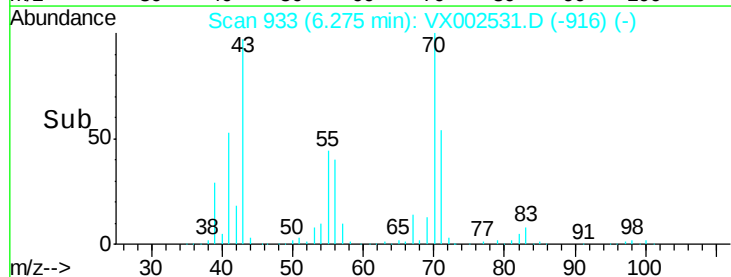
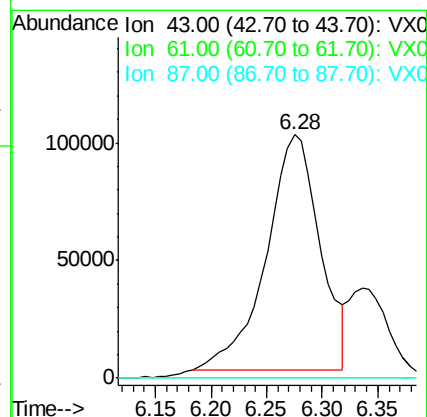
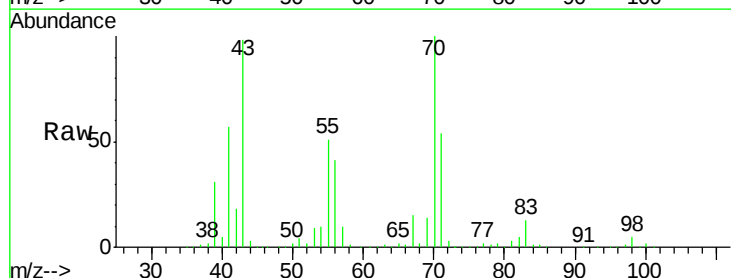
RT: 6.28 min Scan# 933

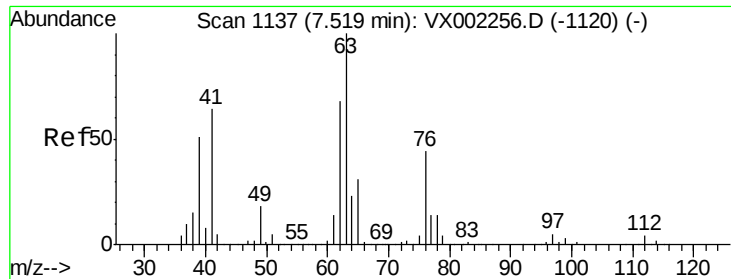
Delta R.T. -0.20 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Tgt Ion:	43	Resp:	335205
Ion	Ratio	Lower	Upper
43	100		
61	0.0	14.4	21.6#
87	0.0	9.5	14.3#

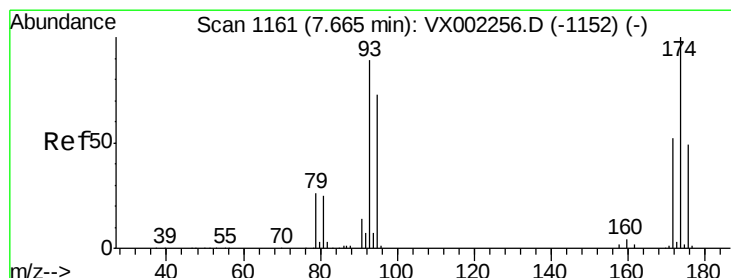
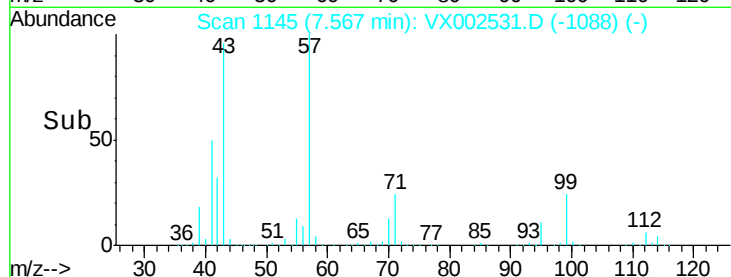
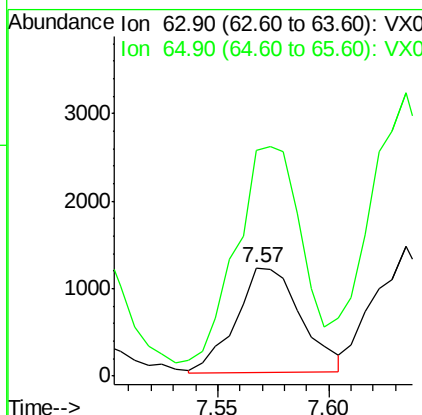
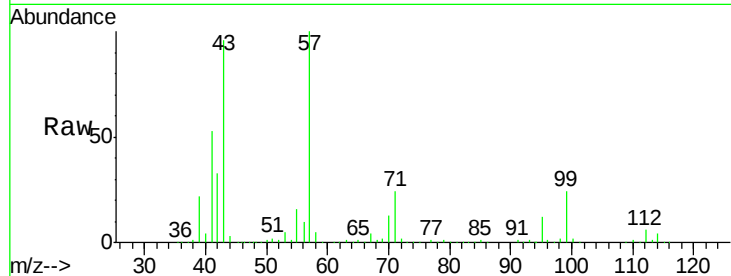




#45
 1,2-Dichloropropane
 Concen: 0.74 ug/l
 RT: 7.57 min Scan# 1145
 Delta R.T. 0.05 min
 Lab File: VX002531.D
 Acq: 14 Jun 2018 02:15

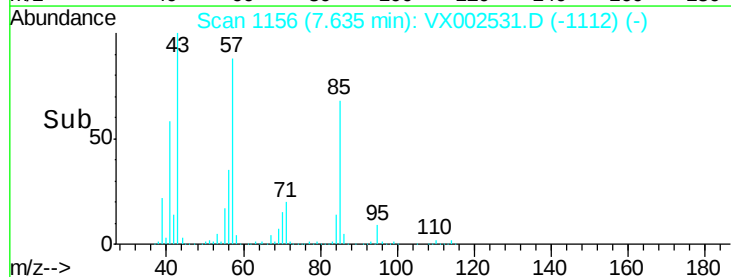
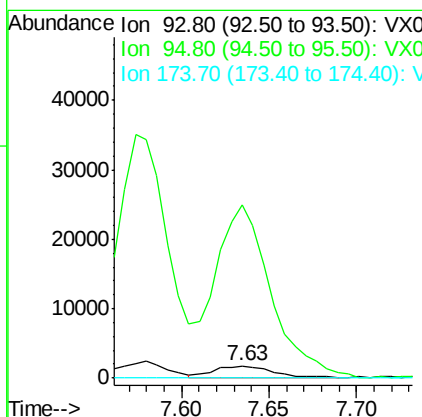
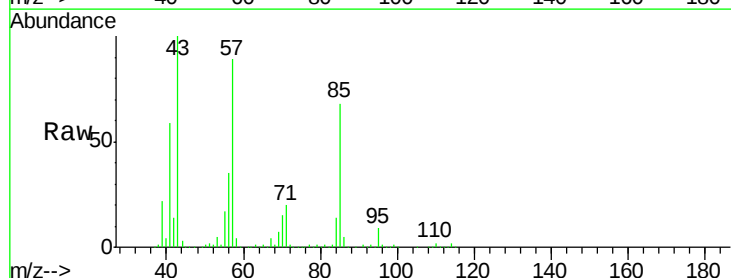
Instrument :
 MSVOA_X
 ClientSampled :

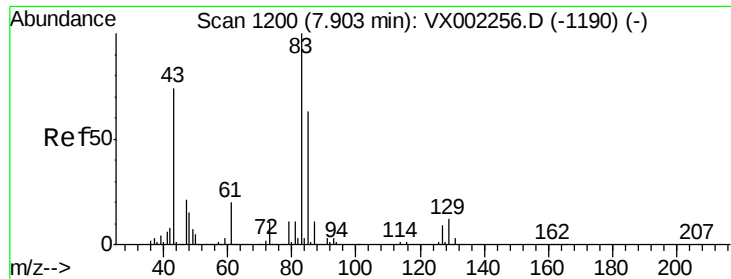
Tot Ion: 63 Resp: 2458
 Ion Ratio Lower Upper
 63 100
 65 204.2 24.7 37.1#



#46
 Dibromomethane
 Concen: 1.89 ug/l
 RT: 7.63 min Scan# 1156
 Delta R.T. -0.03 min
 Lab File: VX002531.D
 Acq: 14 Jun 2018 02:15

Tgt Ion: 93 Resp: 4267
 Ion Ratio Lower Upper
 93 100
 95 1305.4 65.9 98.9#
 174 0.0 92.4 138.6#





#47

Bromodichloromethane

Concen: 8.76 ug/l

RT: 7.84 min Scan# 1190

Delta R.T. -0.06 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Instrument :
MSVOA_X
ClientSampled :

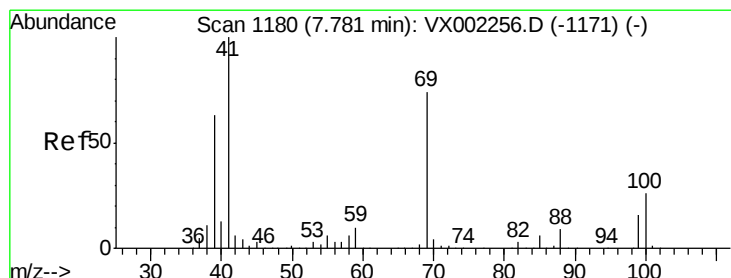
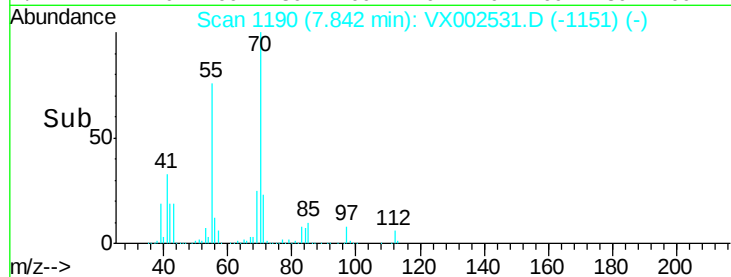
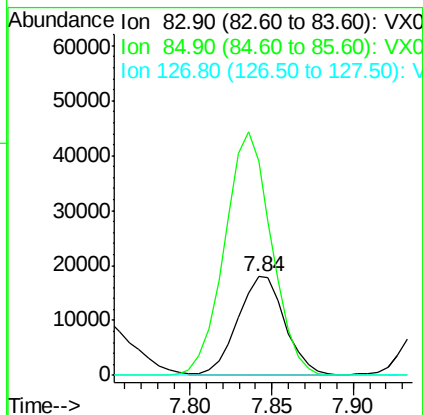
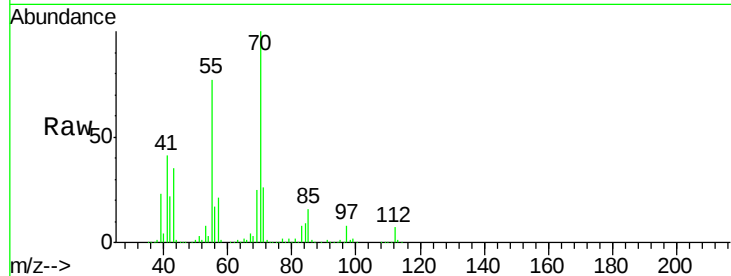
Tot Ion: 83 Resp: 35784

Ion Ratio Lower Upper

83 100

85 217.4 50.3 75.5#

127 0.0 7.0 10.4#



#48

Methyl methacrylate

Concen: 58.35 ug/l

RT: 7.73 min Scan# 1171

Delta R.T. -0.06 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

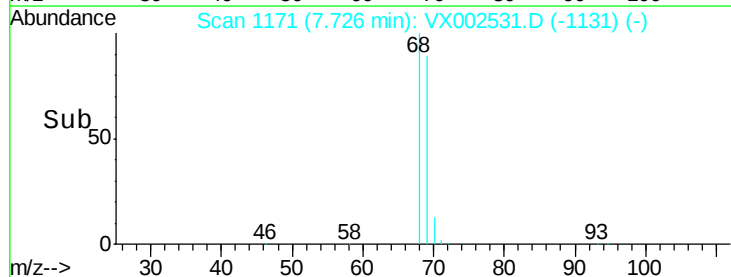
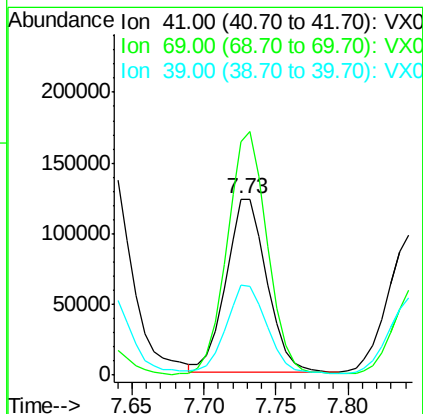
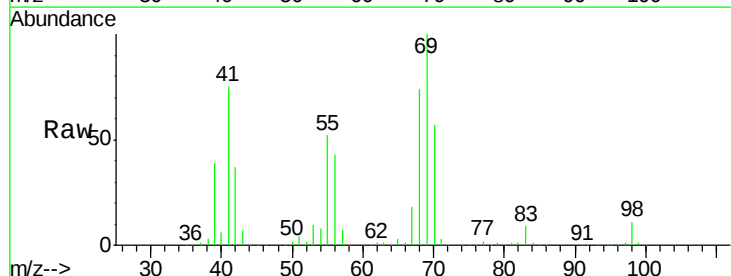
Tgt Ion: 41 Resp: 241037

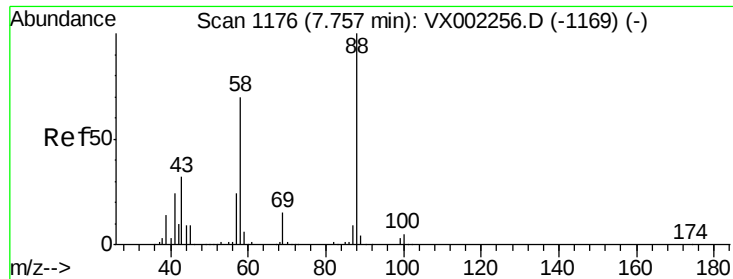
Ion Ratio Lower Upper

41 100

69 137.8 59.1 88.7#

39 50.9 48.9 73.3

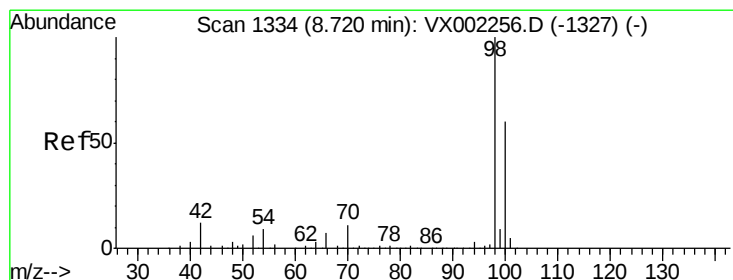
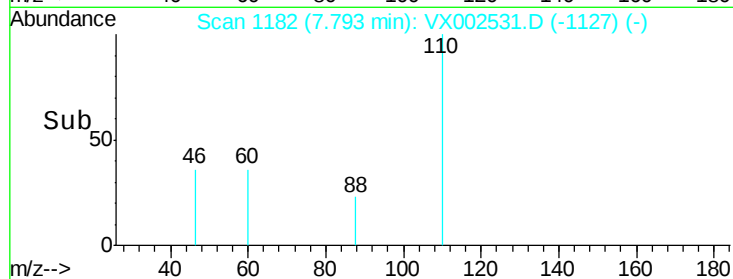
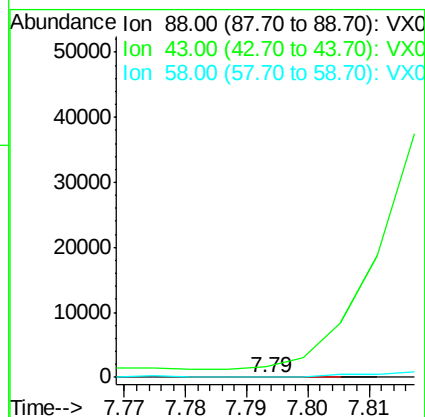
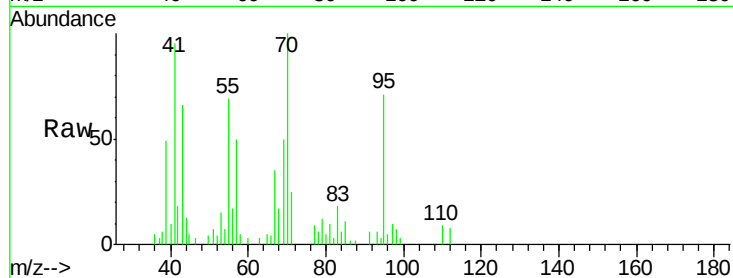




#49
1,4-Dioxane
Concen: 0.25 ug/l
RT: 7.79 min Scan# 1182
Delta R.T. 0.04 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

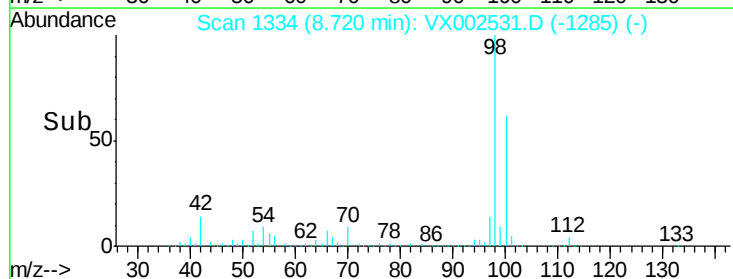
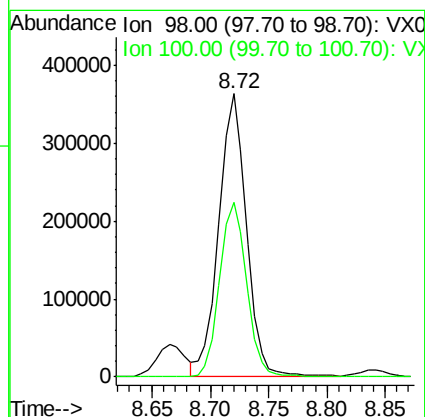
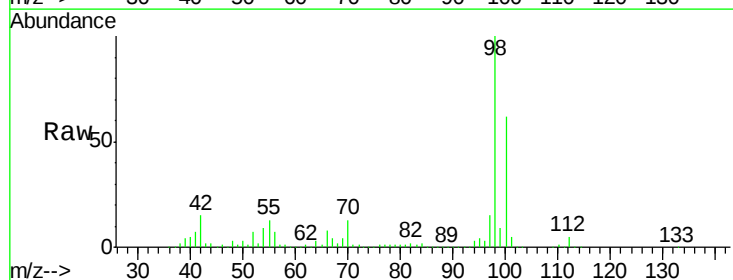
Instrument :
MSVOA_X
ClientSampleId :

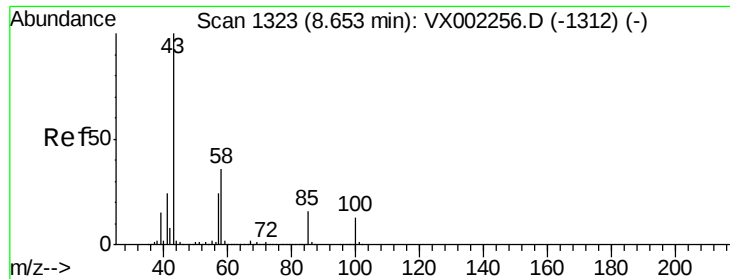
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 29.8 44.6#
58 0.0 57.1 85.7#



#50
Toluene-d8
Concen: 51.61 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

Tgt Ion: 98 Resp: 595838
Ion Ratio Lower Upper
98 100
100 60.9 50.9 76.3

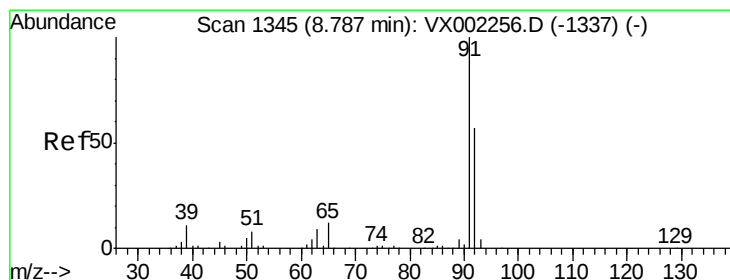
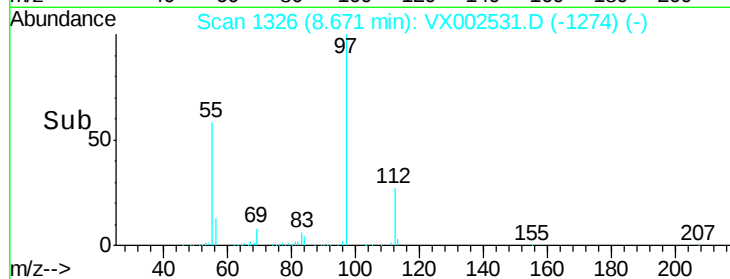
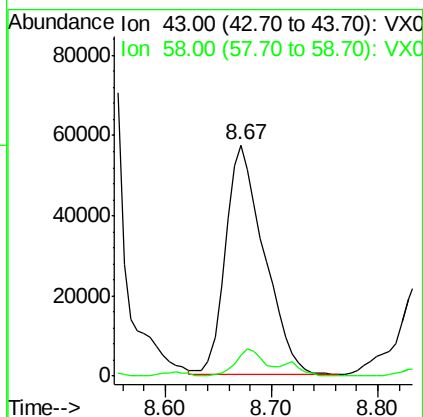
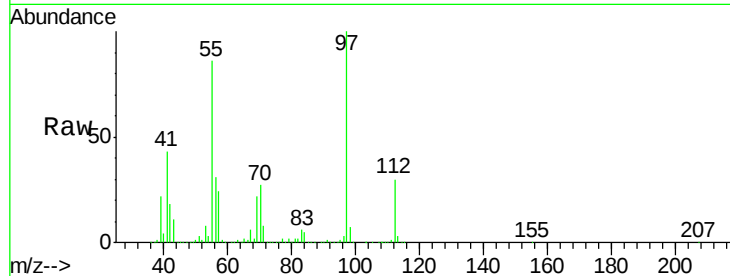




#51
4-Methyl-2-Pentanone
Concen: 28.46 ug/l
RT: 8.67 min Scan# 1326
Delta R.T. 0.02 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

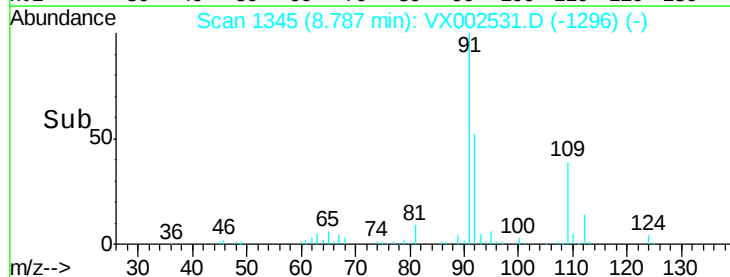
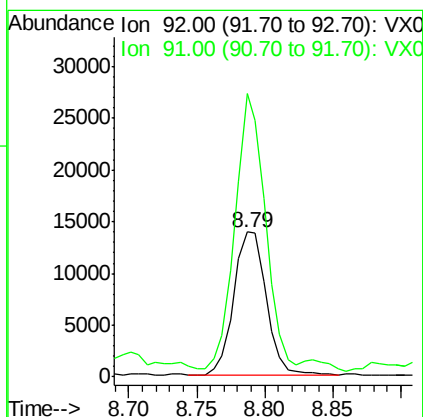
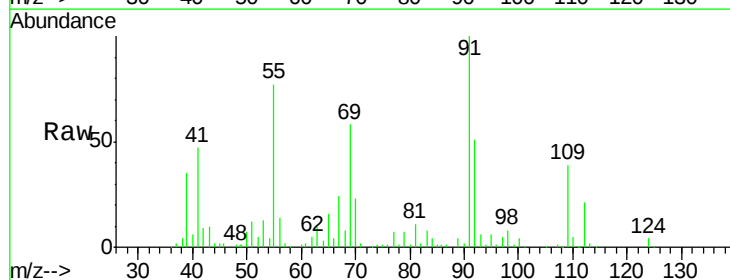
Instrument :
MSVOA_X
ClientSampled :

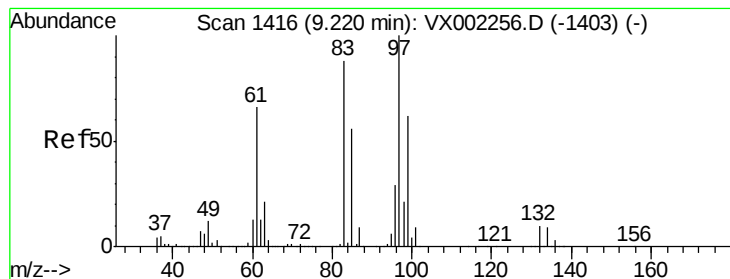
Tot Ion: 43 Resp: 145746
Ion Ratio Lower Upper
43 100
58 8.1 28.6 42.8#



#52
Toluene
Concen: 2.99 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

Tgt Ion: 92 Resp: 23473
Ion Ratio Lower Upper
92 100
91 173.9 140.4 210.6





#55

1,1,2-Trichloroethane

Concen: 5.30 ug/l

RT: 9.27 min Scan# 1424

Delta R.T. 0.05 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 97 Resp: 17120

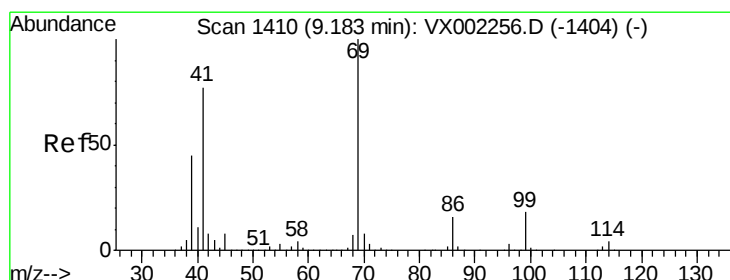
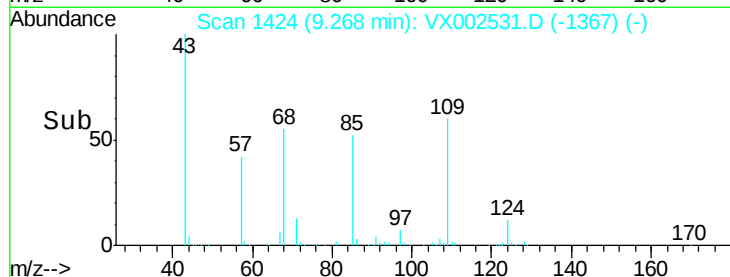
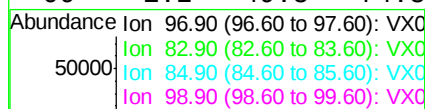
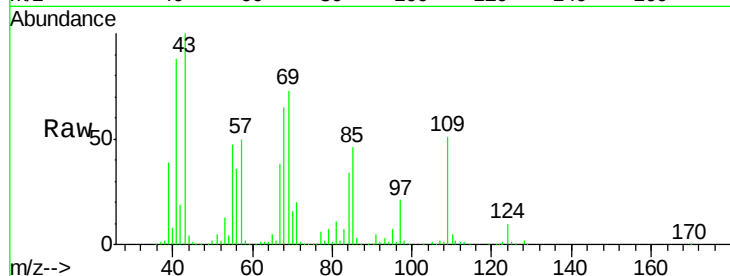
Ion Ratio Lower Upper

97 100

83 16.1 70.2 105.2#

85 220.6 44.9 67.3#

99 1.2 49.8 74.8#



#56

Ethyl methacrylate

Concen: 27.04 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

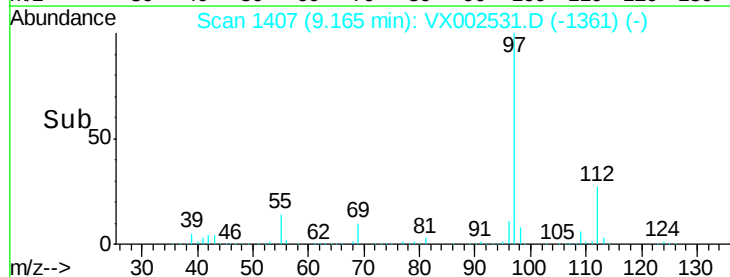
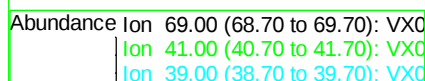
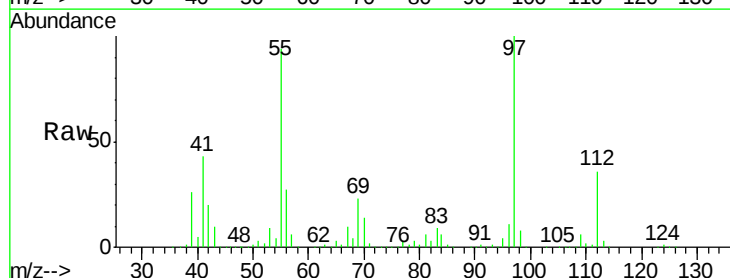
Tgt Ion: 69 Resp: 139414

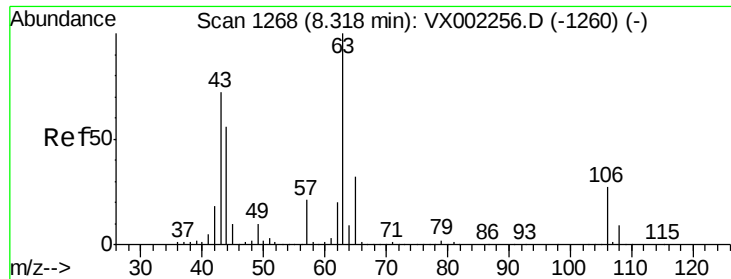
Ion Ratio Lower Upper

69 100

41 189.8 60.3 90.5#

39 93.8 35.8 53.8#

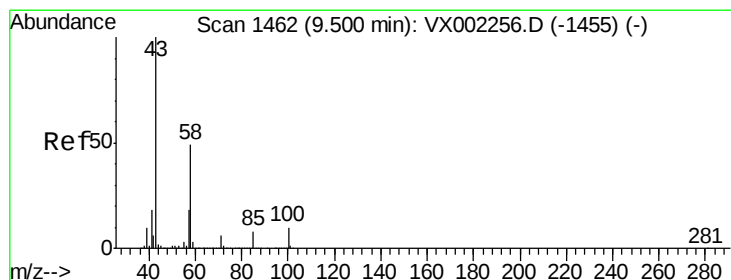
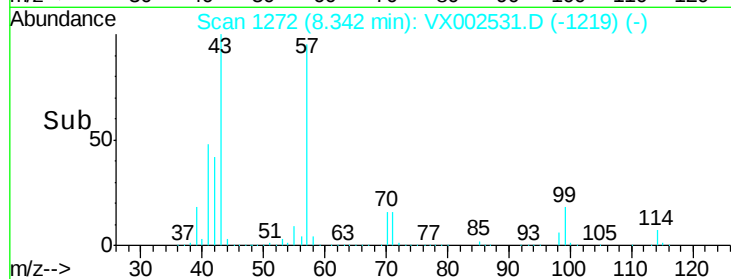
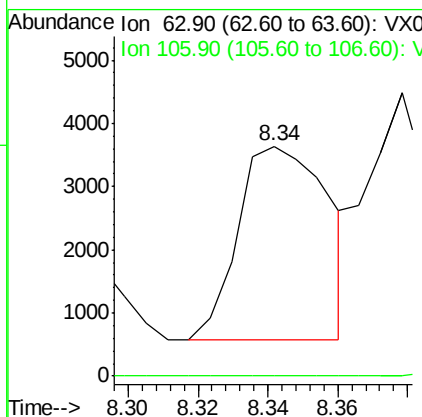
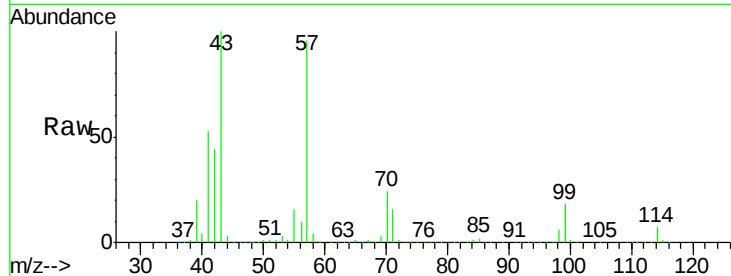




#58
2-Chloroethyl Vinyl ether
Concen: 2.31 ug/l
RT: 8.34 min Scan# 1272
Delta R.T. 0.02 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

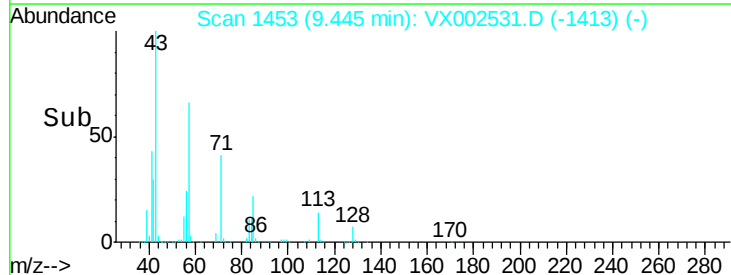
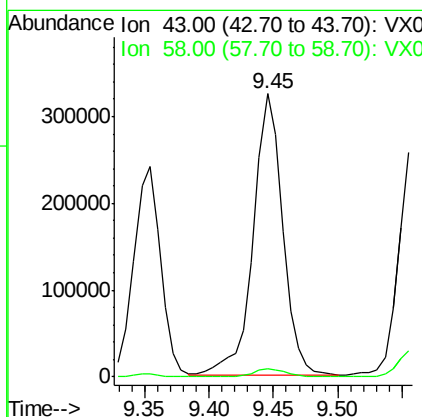
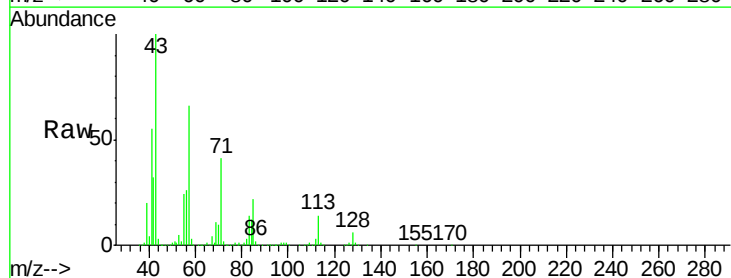
Instrument :
MSVOA_X
ClientSampleId :

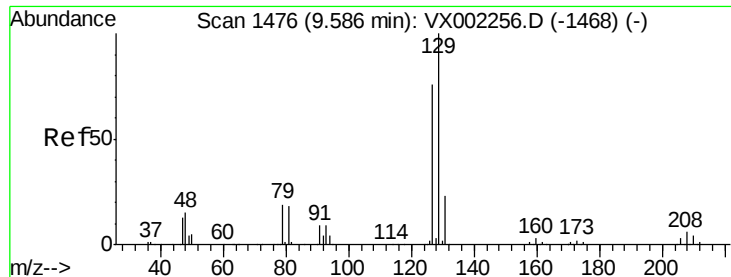
Tot Ion: 63 Resp: 5506
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.8#



#59
2-Hexanone
Concen: 128.51 ug/l
RT: 9.45 min Scan# 1453
Delta R.T. -0.06 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

Tgt Ion: 43 Resp: 508375
Ion Ratio Lower Upper
43 100
58 3.3 24.6 73.6#





#60

Dibromochloromethane

Concen: 0.22 ug/l

RT: 9.35 min Scan# 1438

Delta R.T. -0.23 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

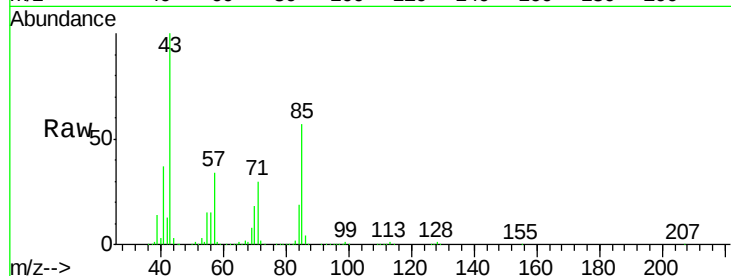
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:129 Resp: 705

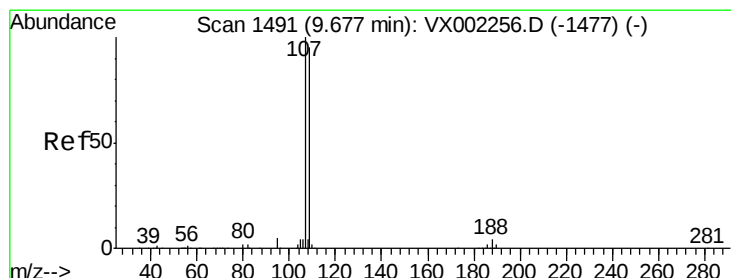
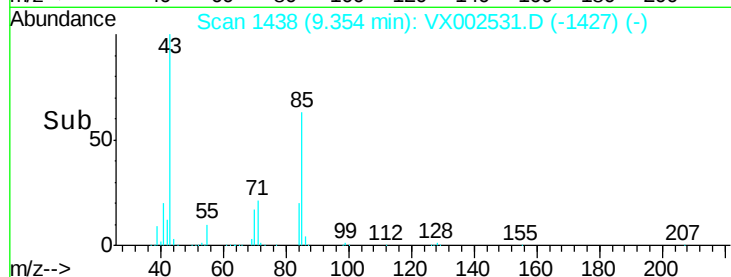
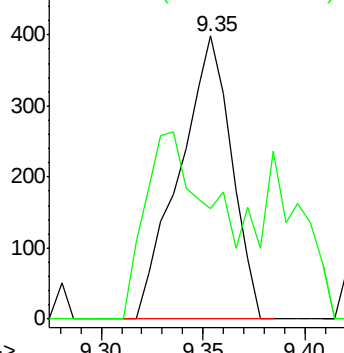
Ion Ratio Lower Upper

129 100

127 83.3 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.55 ug/l

RT: 9.66 min Scan# 1489

Delta R.T. -0.01 min

Lab File: VX002531.D

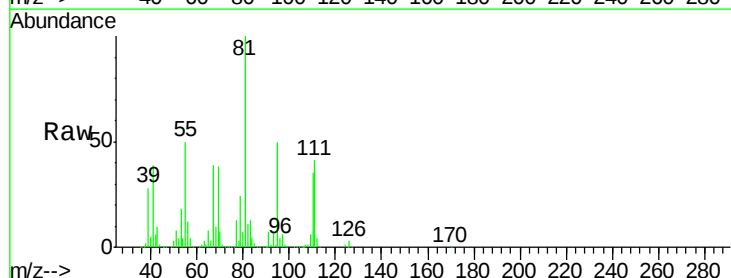
Acq: 14 Jun 2018 02:15

Tgt Ion:107 Resp: 1848

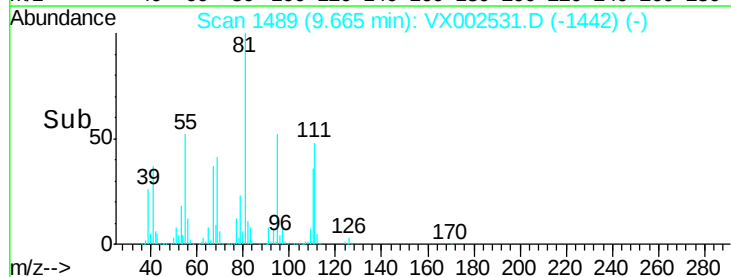
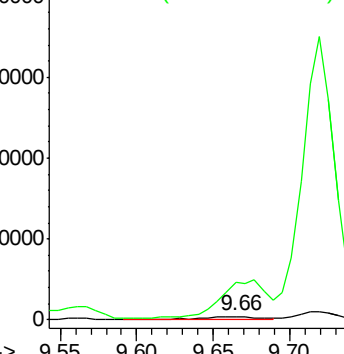
Ion Ratio Lower Upper

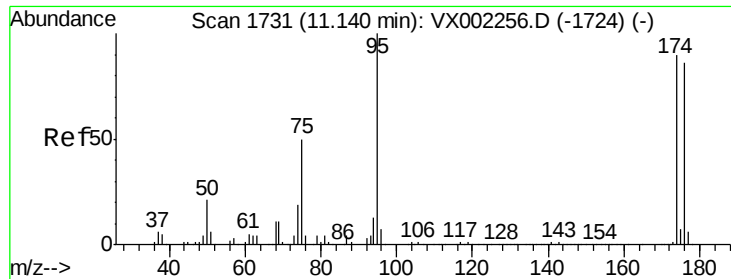
107 100

109 1090.6 75.3 112.9#



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V

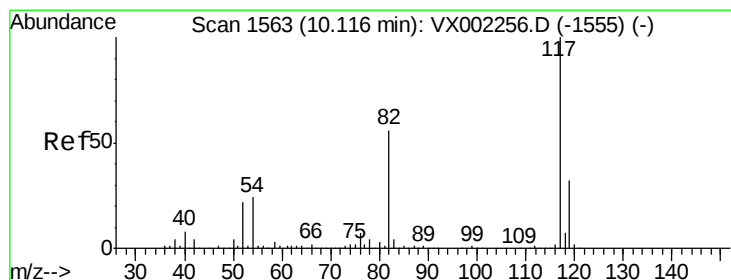
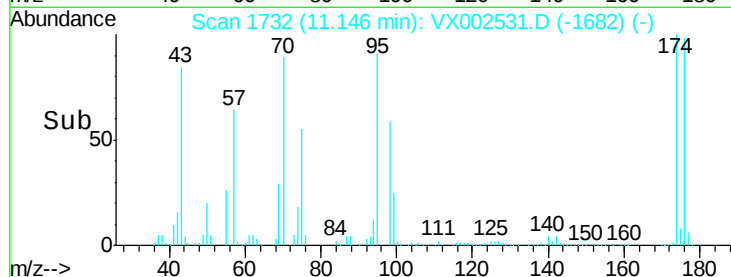
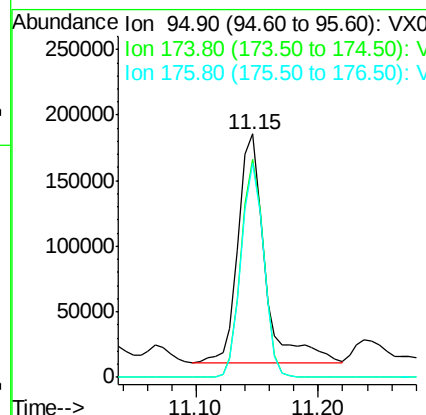
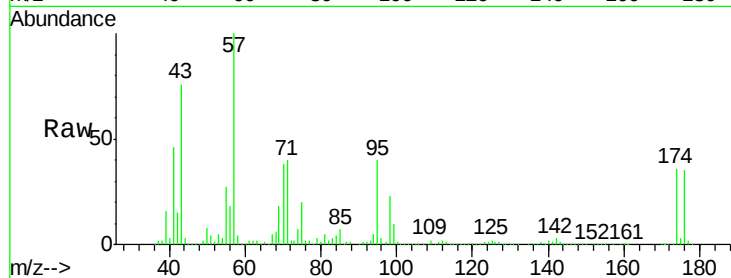




#62
4-Bromofluorobenzene
Concen: 60.40 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

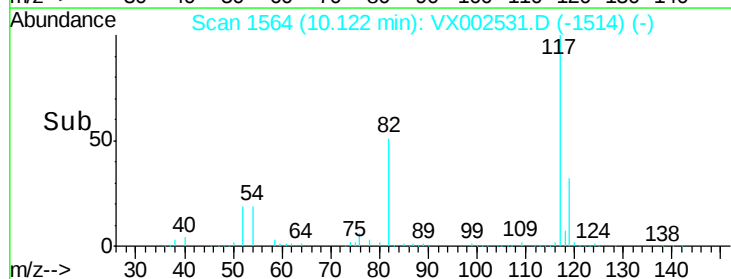
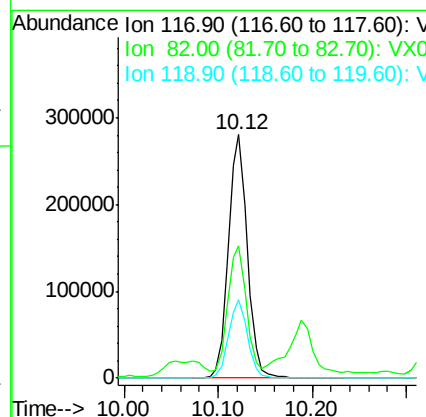
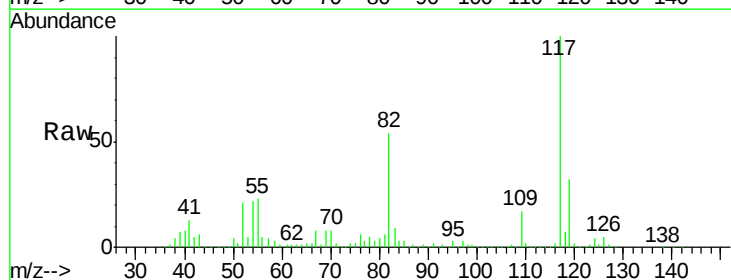
Instrument :
MSVOA_X
ClientSampleId :

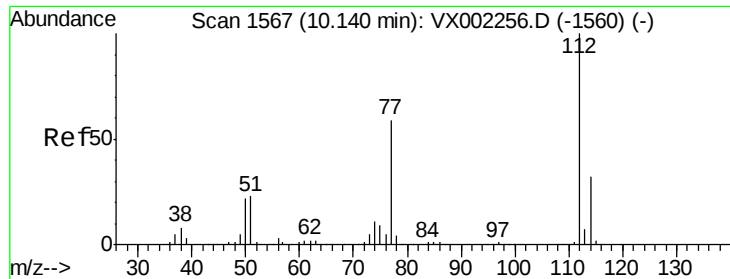
Tot Ion: 95 Resp: 268889
Ion Ratio Lower Upper
95 100
174 79.4 0.0 187.4
176 77.6 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

Tgt Ion: 117 Resp: 388985
Ion Ratio Lower Upper
117 100
82 51.9 45.0 67.4
119 32.0 25.8 38.6





#65

Chlorobenzene

Concen: 0.80 ug/l

RT: 10.07 min Scan# 1555

Delta R.T. -0.07 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Instrument :

MSVOA_X

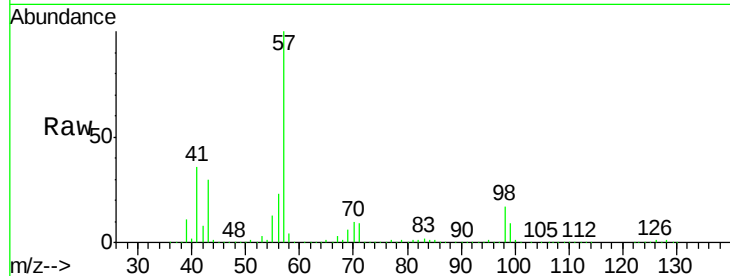
ClientSampleId :

Tot Ion:112 Resp: 7751

Ion Ratio Lower Upper

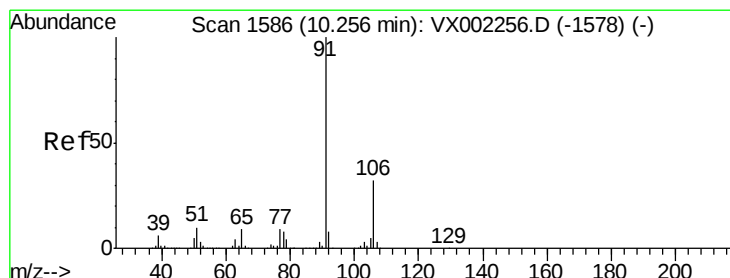
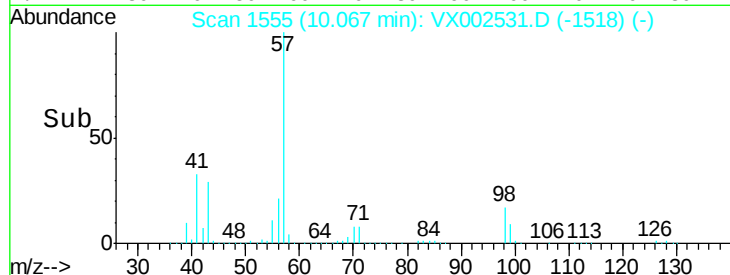
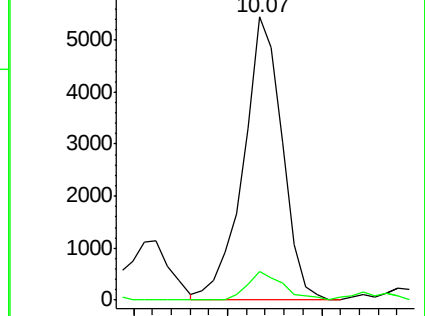
112 100

114 10.2 25.3 37.9#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 409.89 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002531.D

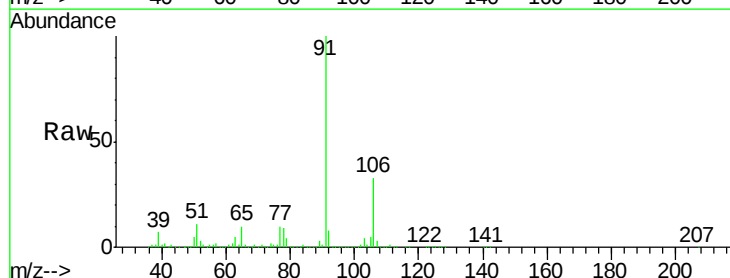
Acq: 14 Jun 2018 02:15

Tgt Ion: 91 Resp: 6639441

Ion Ratio Lower Upper

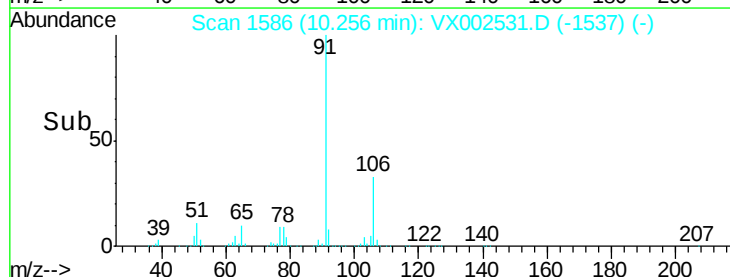
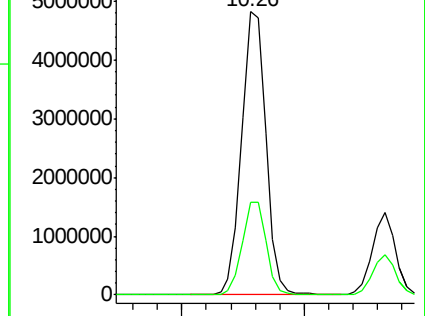
91 100

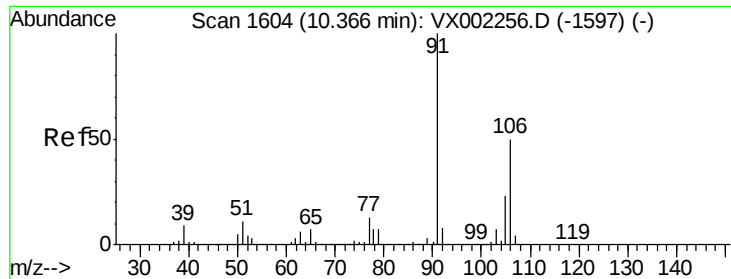
106 32.7 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

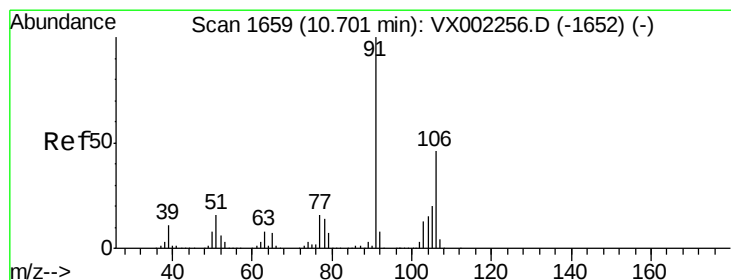
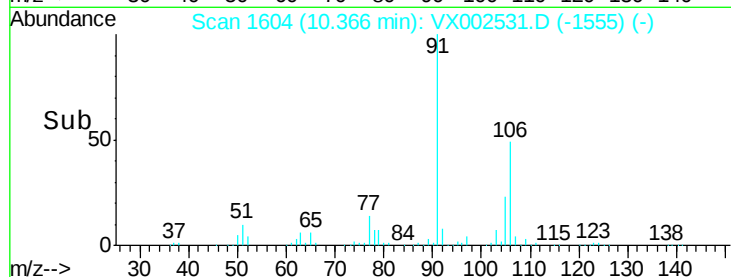
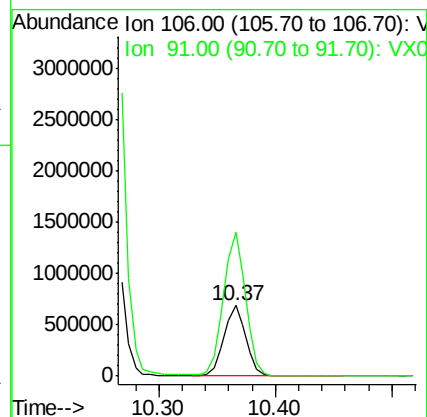
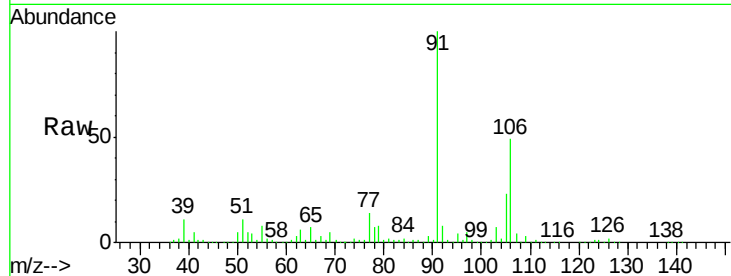




#68
m/p-Xvlenes
Concen: 141.06 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

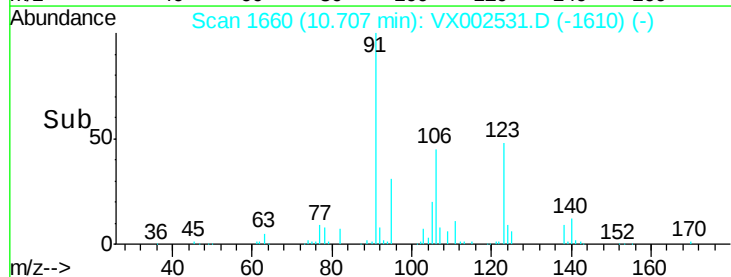
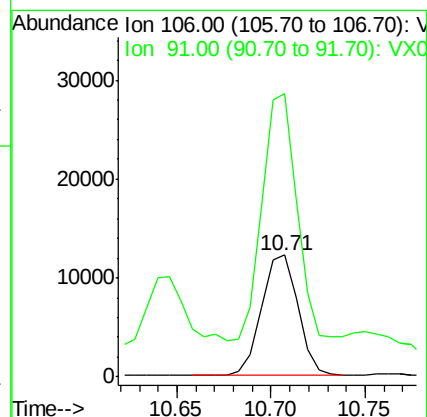
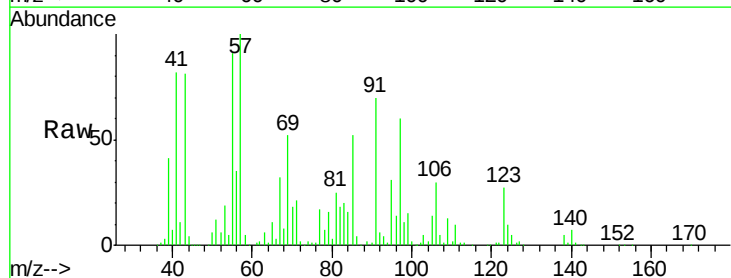
Instrument :
MSVOA_X
ClientSampleId :

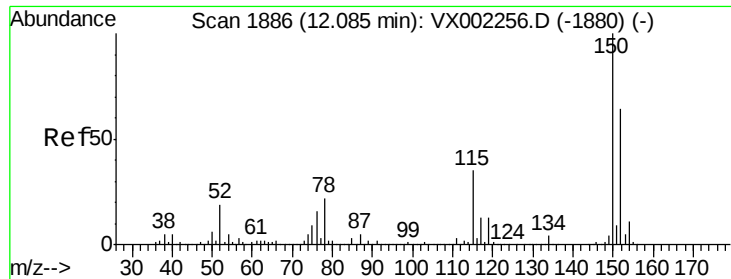
Tot Ion:106 Resp: 888217
Ion Ratio Lower Upper
106 100
91 203.4 163.4 245.2



#69
o-Xylene
Concen: 2.62 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

Tgt Ion:106 Resp: 16445
Ion Ratio Lower Upper
106 100
91 191.8 108.2 324.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Instrument :

MSVOA_X

ClientSampled :

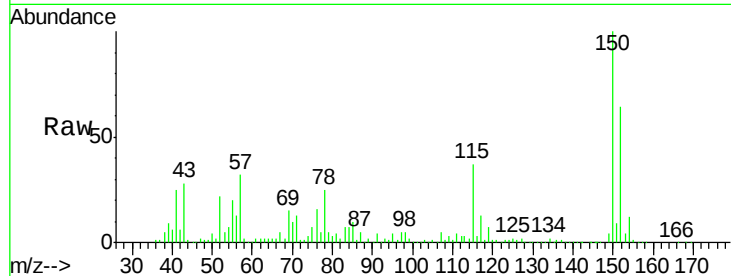
Tot Ion:152 Resp: 242087

Ion Ratio Lower Upper

152 100

115 60.2 40.1 120.2

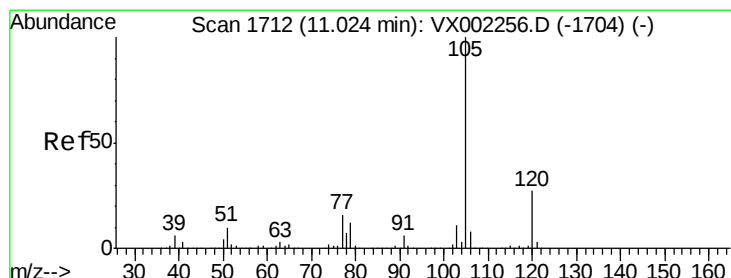
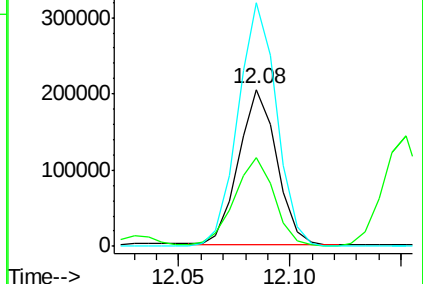
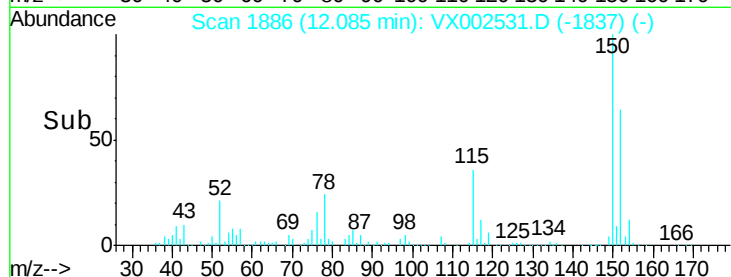
150 159.6 0.0 347.2



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: 44.60 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002531.D

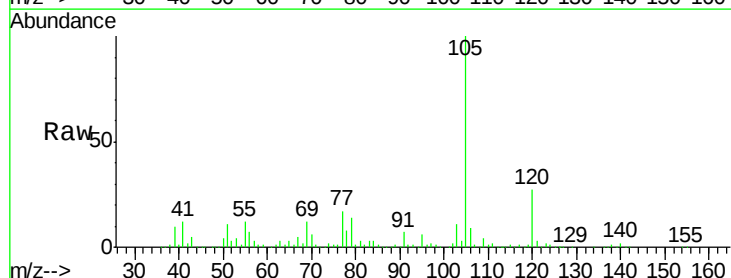
Acq: 14 Jun 2018 02:15

Tgt Ion:105 Resp: 751028

Ion Ratio Lower Upper

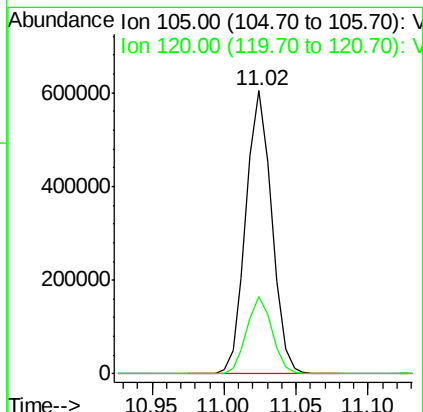
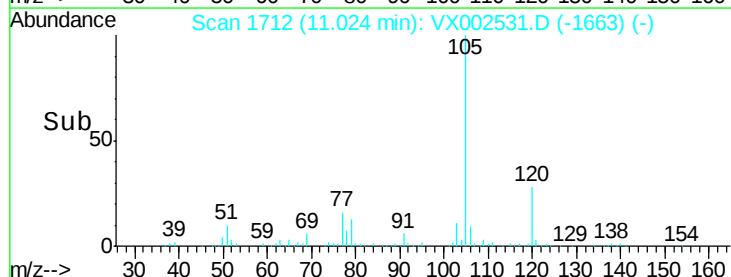
105 100

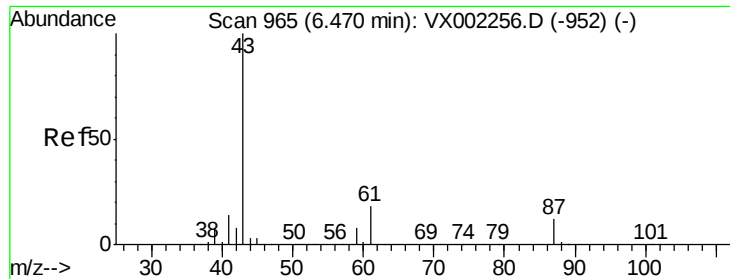
120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 36.94 ug/l

RT: 6.28 min Scan# 933

Delta R.T. -0.20 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 43 Resp: 335205

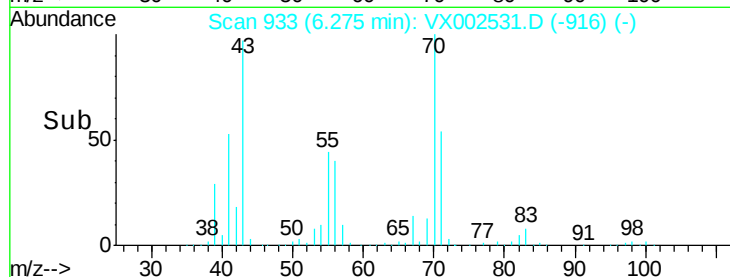
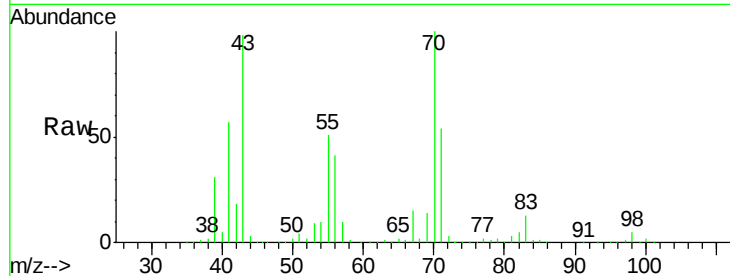
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

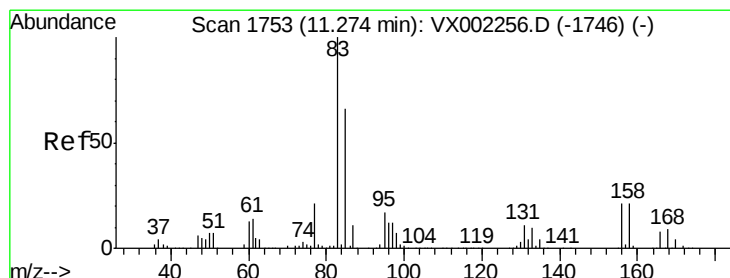
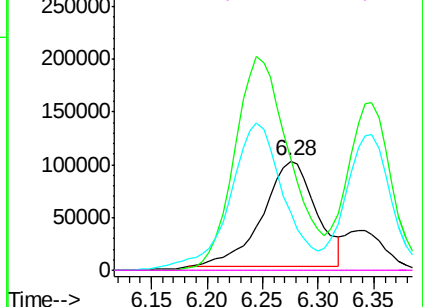


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 4.93 ug/l

RT: 11.25 min Scan# 1749

Delta R.T. -0.02 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

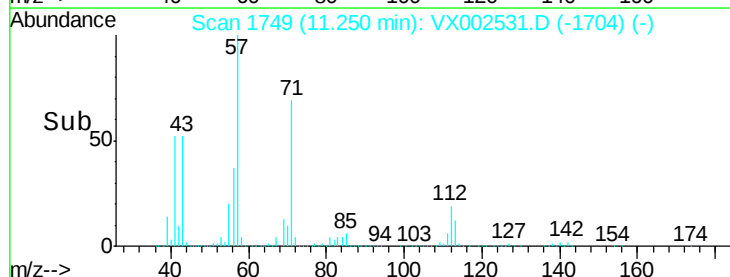
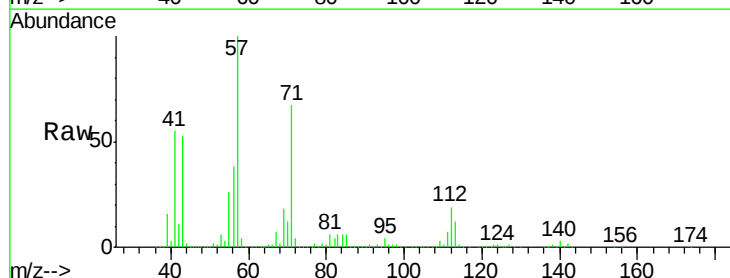
Tgt Ion: 83 Resp: 26110

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

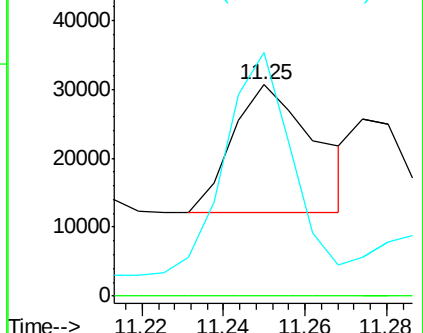
85 146.0 32.4 97.2#

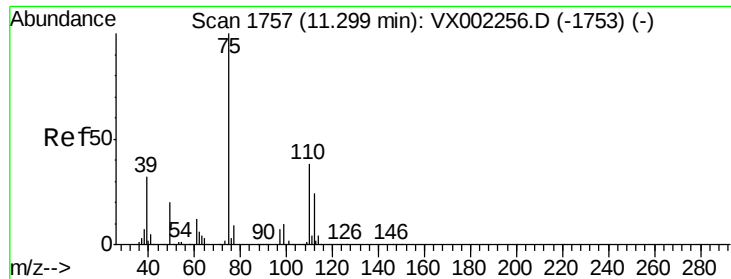


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

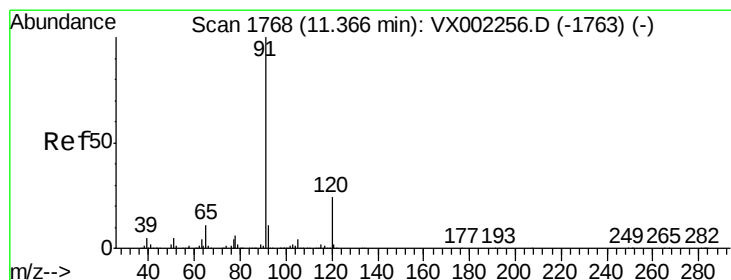
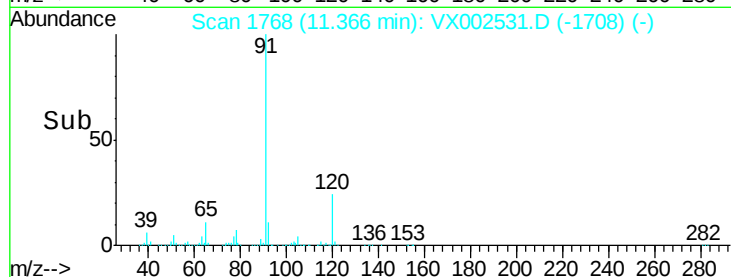
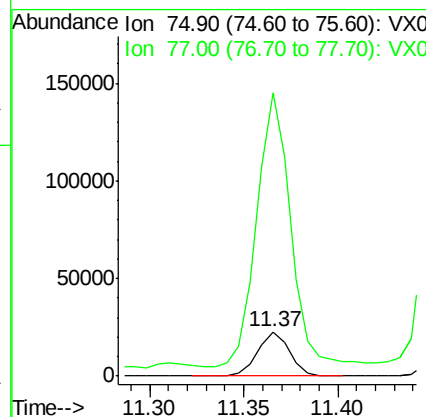
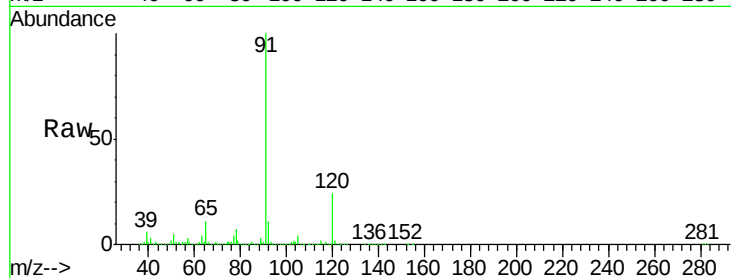




#76
 1,2,3-Trichloropropane
 Concen: 4.97 ug/l
 RT: 11.37 min Scan# 1768
 Delta R.T. 0.07 min
 Lab File: VX002531.D
 Acq: 14 Jun 2018 02:15

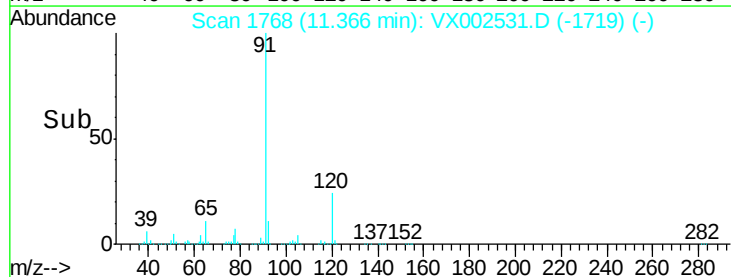
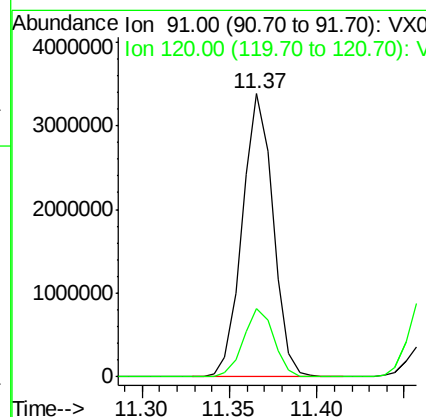
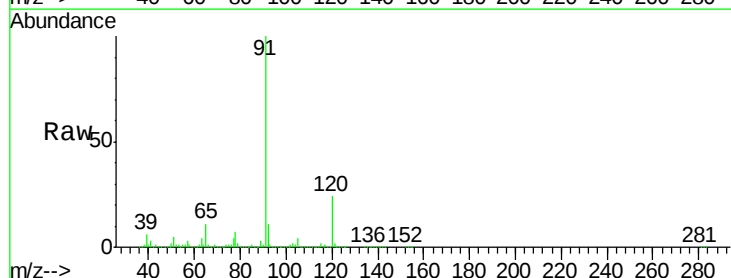
Instrument :
 MSVOA_X
 ClientSampled :

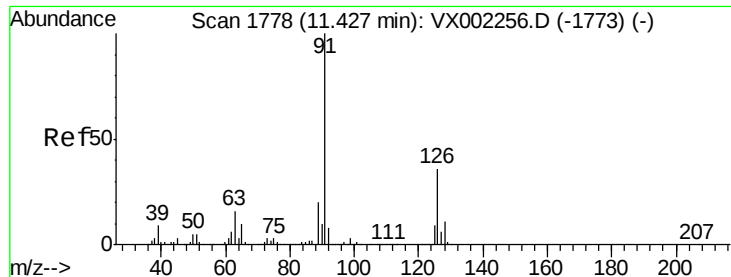
Tot Ion: 75 Resp: 26426
 Ion Ratio Lower Upper
 75 100
 77 676.4 22.8 68.3#



#78
 n-propylbenzene
 Concen: 220.38 ug/l
 RT: 11.37 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VX002531.D
 Acq: 14 Jun 2018 02:15

Tgt Ion: 91 Resp: 4125054
 Ion Ratio Lower Upper
 91 100
 120 24.0 11.8 35.4





#79

2-Chlorotoluene

Concen: 39.60 ug/l

RT: 11.46 min Scan# 1784

Delta R.T. 0.04 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Instrument :

MSVOA_X

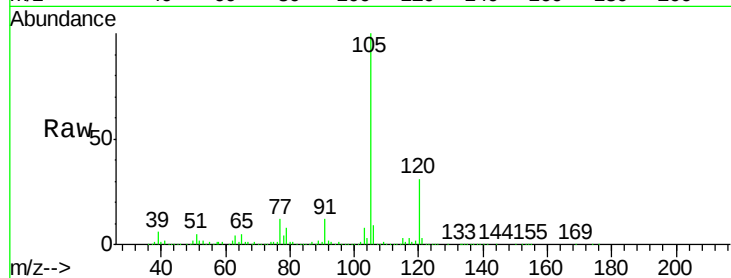
ClientSampleId :

Tot Ion: 91 Resp: 468097

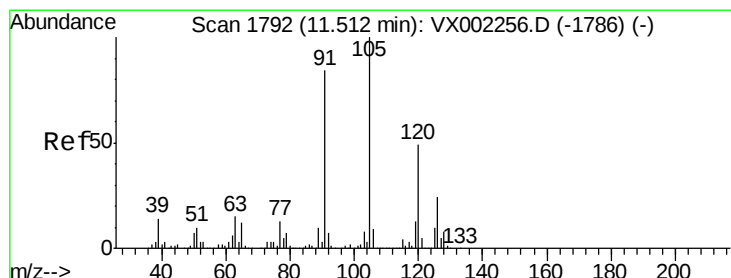
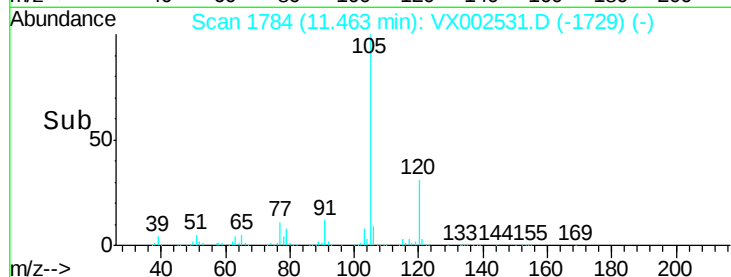
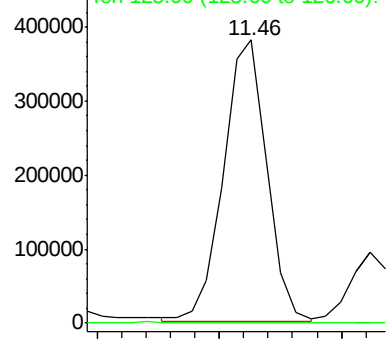
Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VX002256.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 68.37 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002531.D

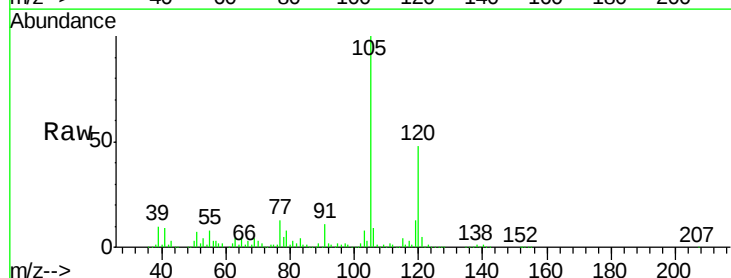
Acq: 14 Jun 2018 02:15

Tgt Ion: 105 Resp: 987584

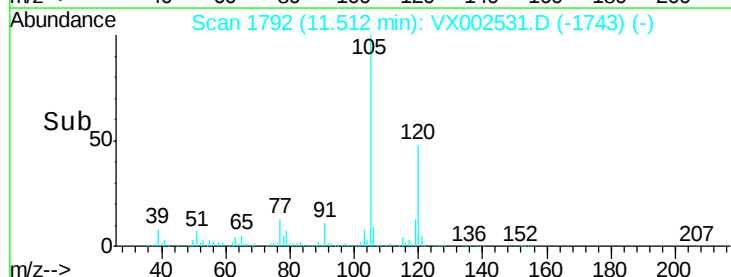
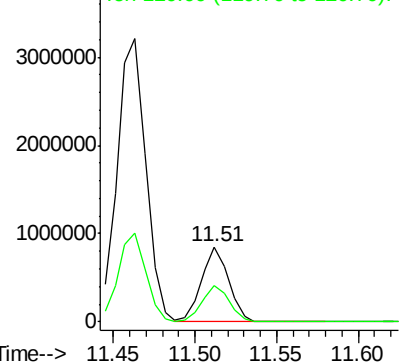
Ion Ratio Lower Upper

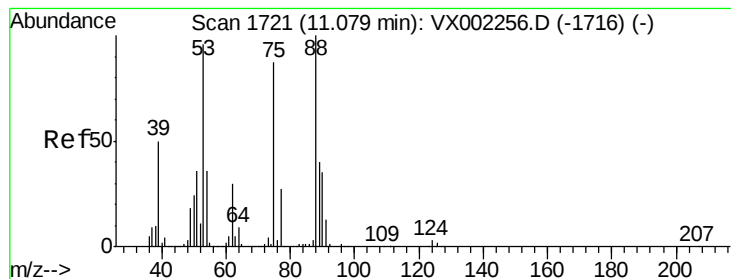
105 100

120 48.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002256.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 6.36 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.06 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Instrument :

MSVOA_X

ClientSampleId :

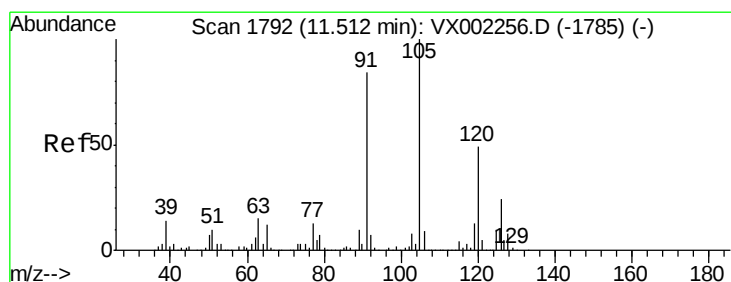
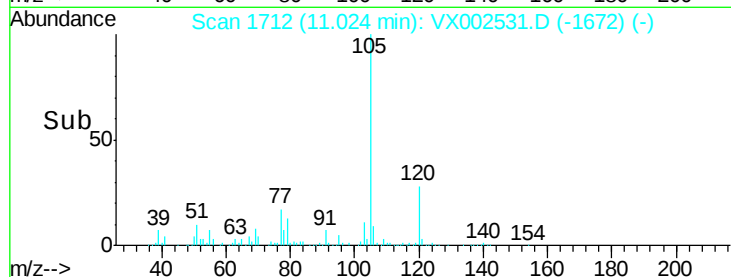
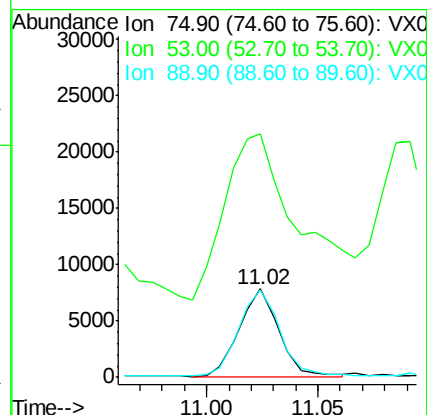
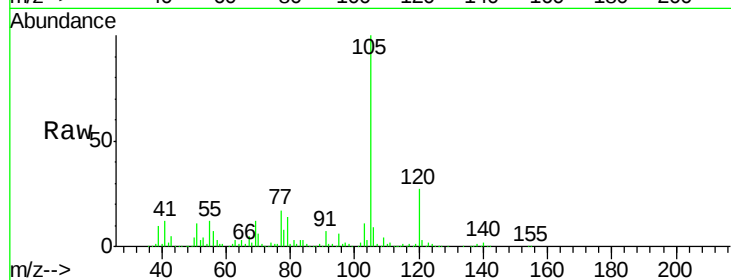
Tot Ion: 75 Resp: 9632

Ion Ratio Lower Upper

75 100

53 356.0 86.8 130.2#

89 103.7 38.2 57.2#



#82

4-Chlorotoluene

Concen: 34.31 ug/l

RT: 11.46 min Scan# 1784

Delta R.T. -0.05 min

Lab File: VX002531.D

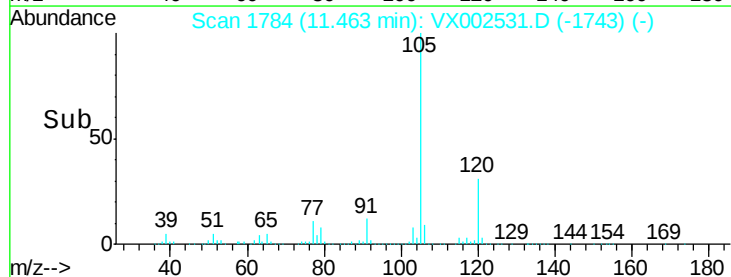
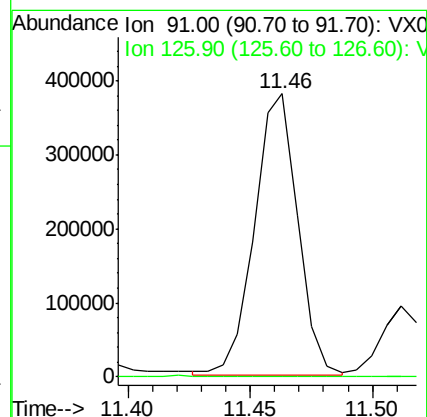
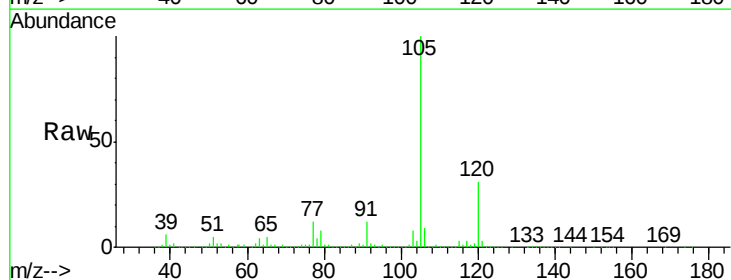
Acq: 14 Jun 2018 02:15

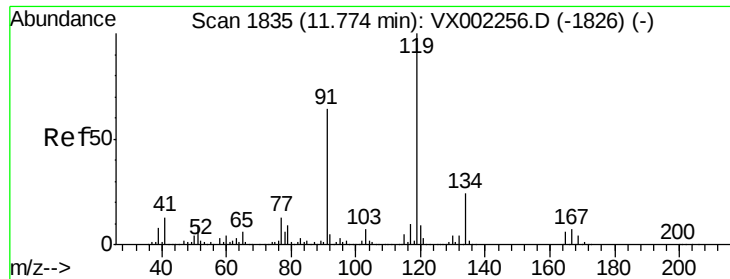
Tgt Ion: 91 Resp: 468097

Ion Ratio Lower Upper

91 100

126 0.0 15.4 46.4#

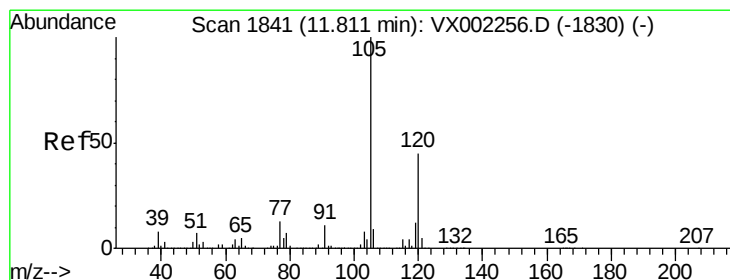
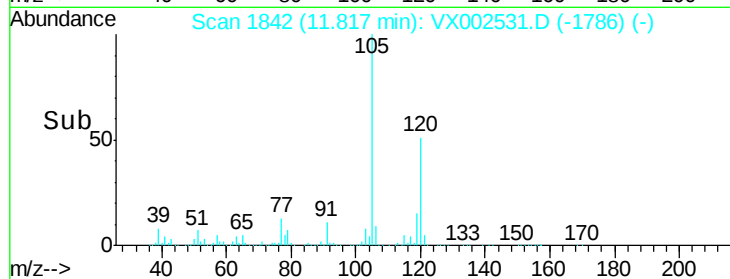
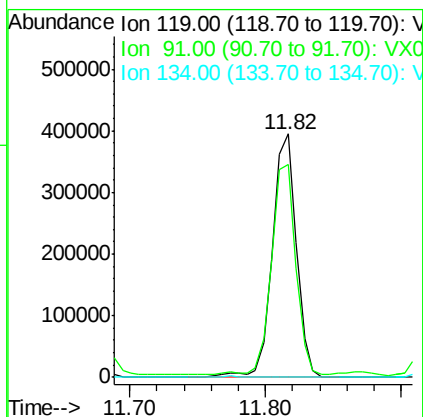
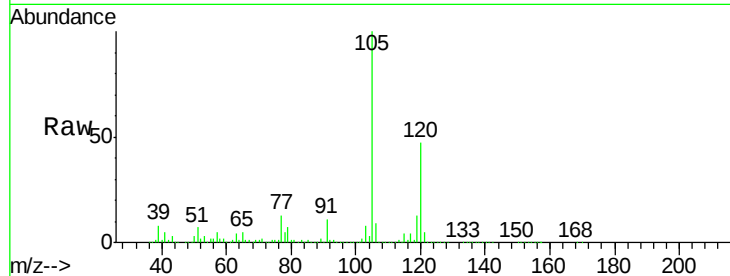




#83
 tert-Butylbenzene
 Concen: 34.56 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.04 min
 Lab File: VX002531.D
 Acq: 14 Jun 2018 02:15

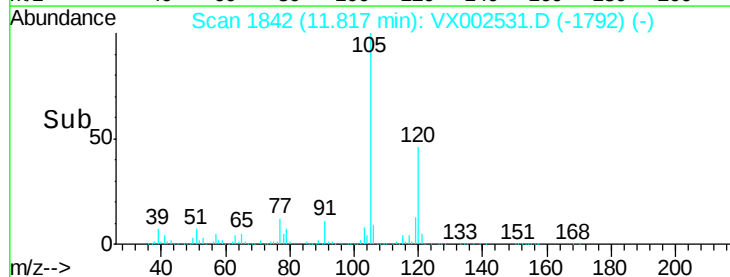
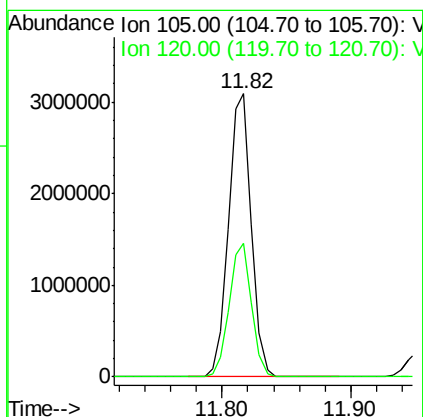
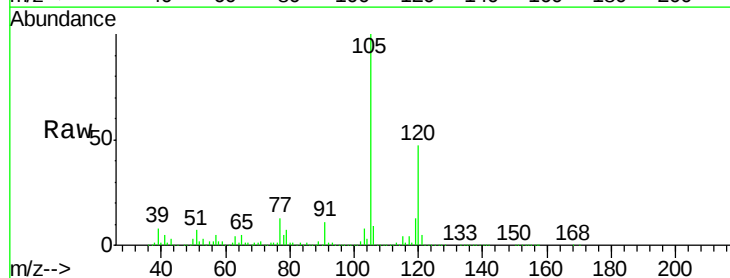
Instrument :
 MSVOA_X
 ClientSampleId :

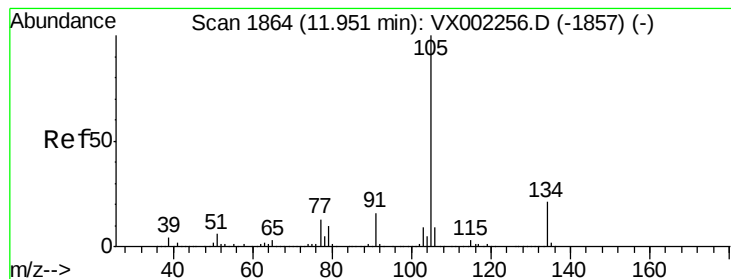
Tot Ion:119 Resp: 486095
 Ion Ratio Lower Upper
 119 100
 91 88.5 30.3 90.9
 134 0.0 11.7 35.1#



#84
 1,2,4-Trimethylbenzene
 Concen: 257.69 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: VX002531.D
 Acq: 14 Jun 2018 02:15

Tgt Ion:105 Resp: 3831661
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.05 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Instrument :

MSVOA_X

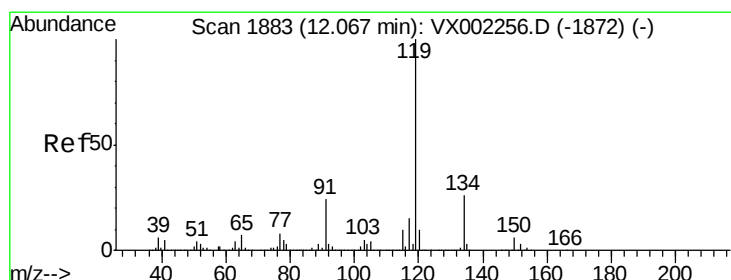
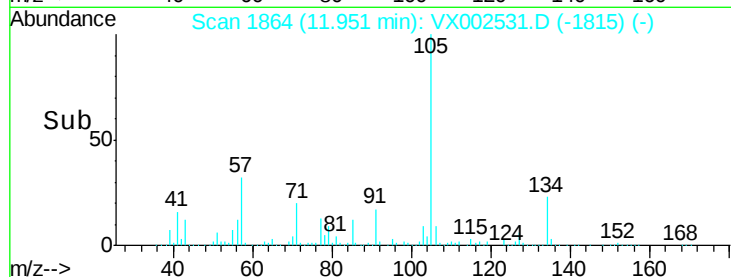
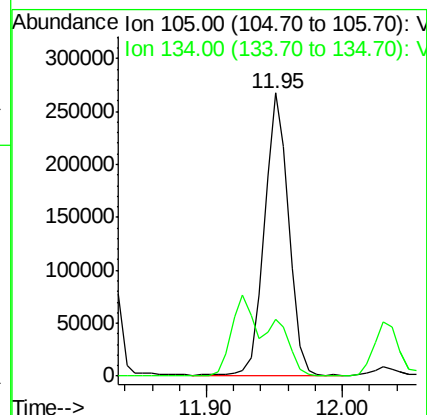
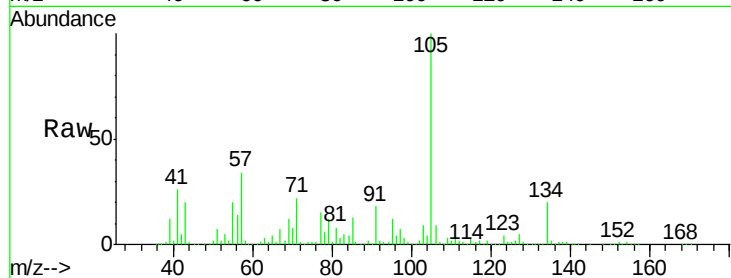
ClientSampleId :

Tot Ion:105 Resp: 330667

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#



#86

p-Isopropyltoluene

Concen: 9.32 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

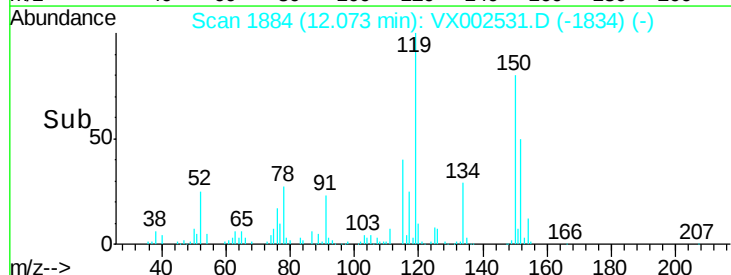
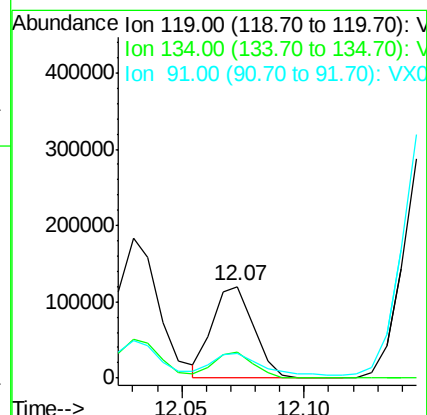
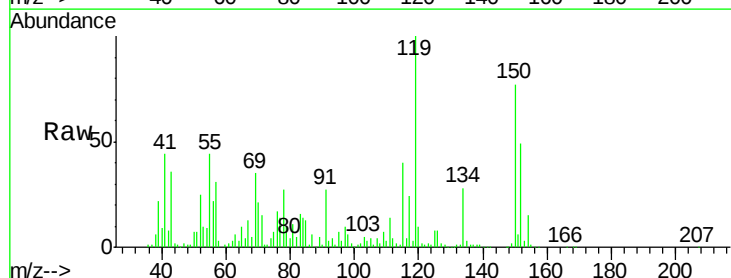
Tgt Ion:119 Resp: 140000

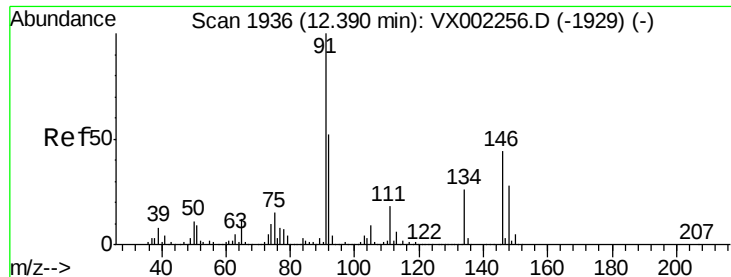
Ion Ratio Lower Upper

119 100

134 28.3 13.4 40.1

91 26.8 11.9 35.7

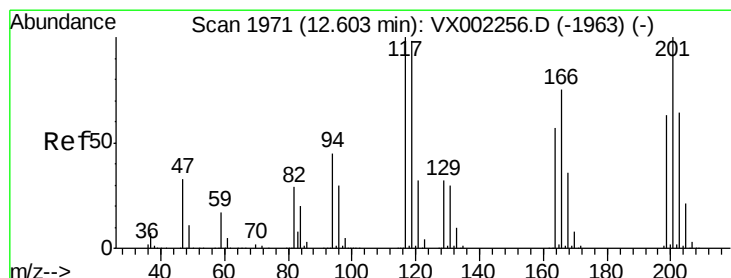
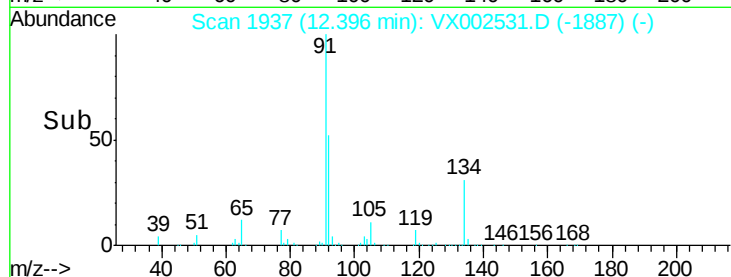
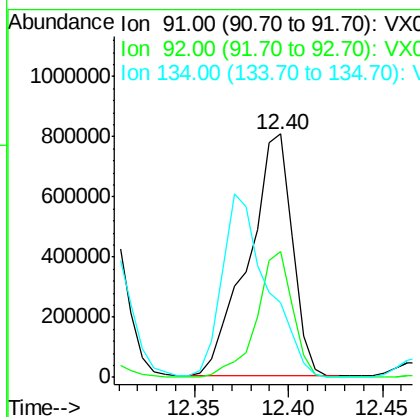
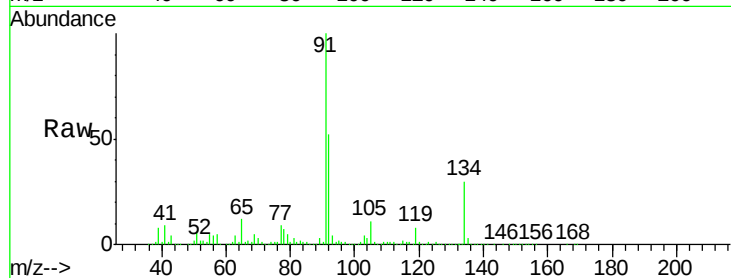




#89
n-Butylbenzene
Concen: 103.96 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.01 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

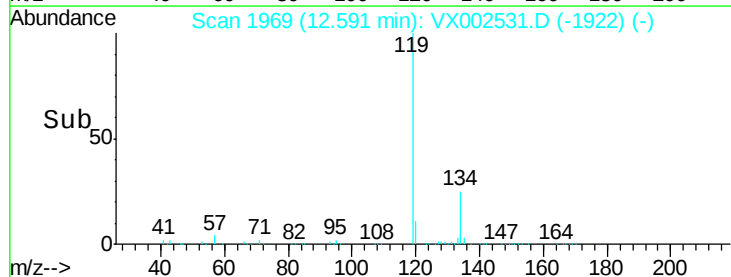
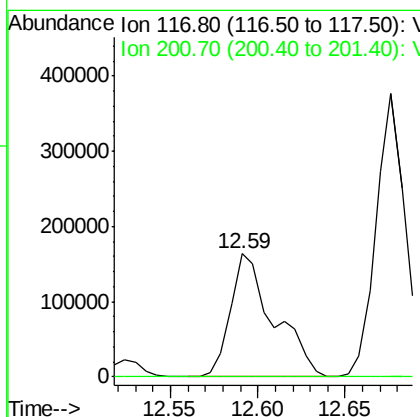
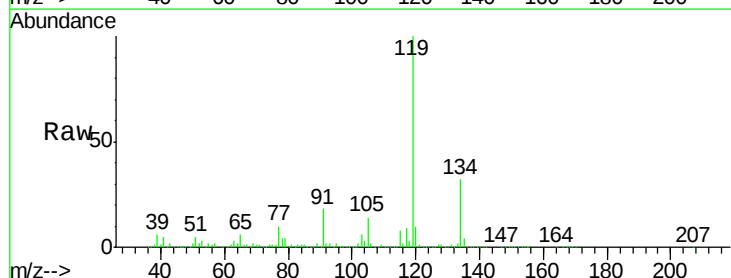
Instrument :
MSVOA_X
ClientSampleId :

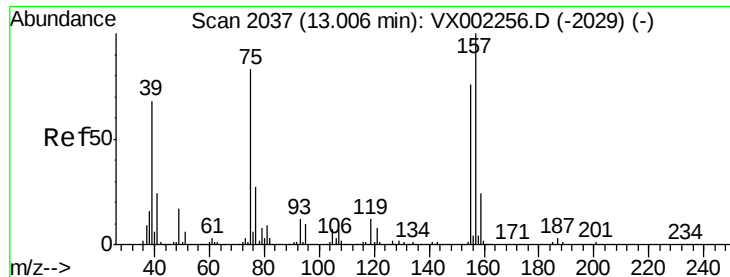
Tot Ion: 91 Resp: 1309639
Ion Ratio Lower Upper
91 100
92 42.3 26.0 78.0
134 0.0 13.5 40.5#



#90
Hexachloroethane
Concen: 117.37 ug/l
RT: 12.59 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VX002531.D
Acq: 14 Jun 2018 02:15

Tgt Ion: 117 Resp: 281425
Ion Ratio Lower Upper
117 100
201 0.0 49.0 147.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 21.83 ug/l

RT: 13.02 min Scan# 2040

Delta R.T. 0.02 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Instrument :

MSVOA_X

ClientSampleId :

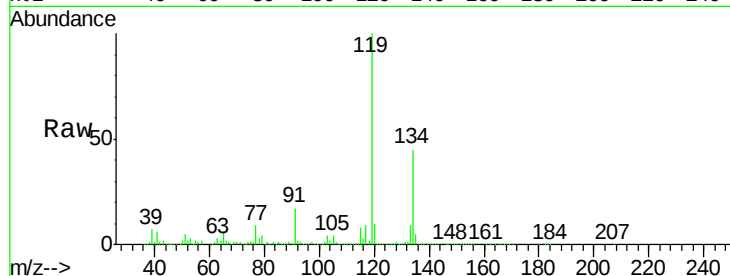
Tot Ion: 75 Resp: 25289

Ion Ratio Lower Upper

75 100

155 11.9 45.8 137.4#

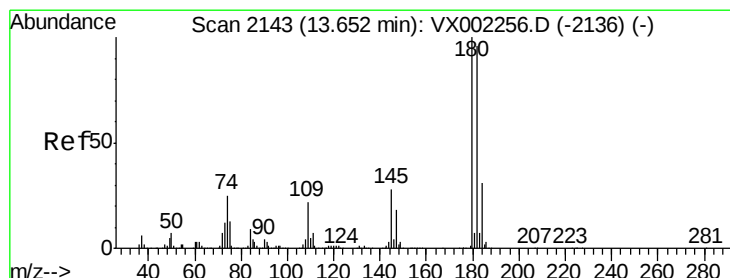
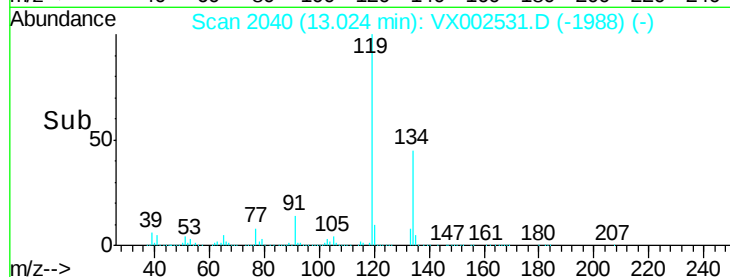
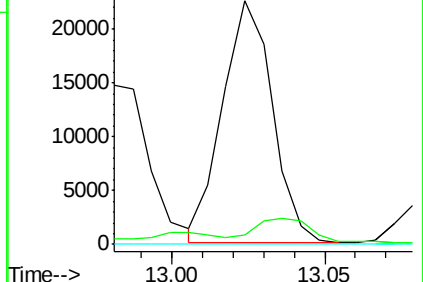
157 0.0 60.1 180.3#



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: 0.23 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. -0.01 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

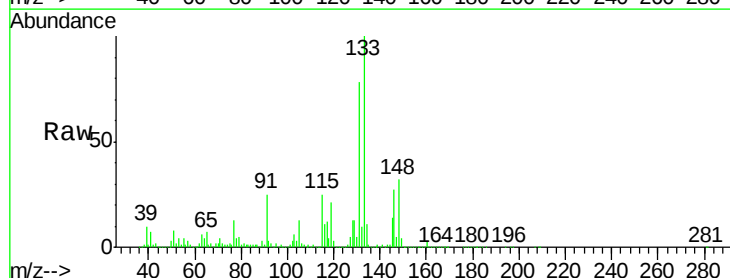
Tgt Ion: 180 Resp: 1430

Ion Ratio Lower Upper

180 100

182 187.7 47.7 143.1#

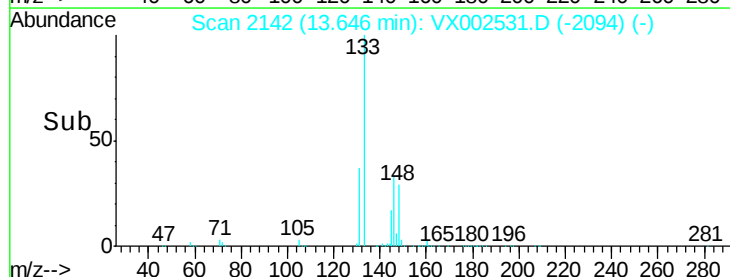
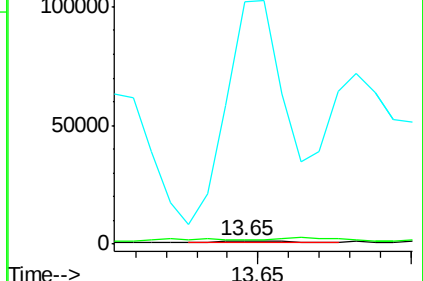
145 8484.8 14.1 42.4#

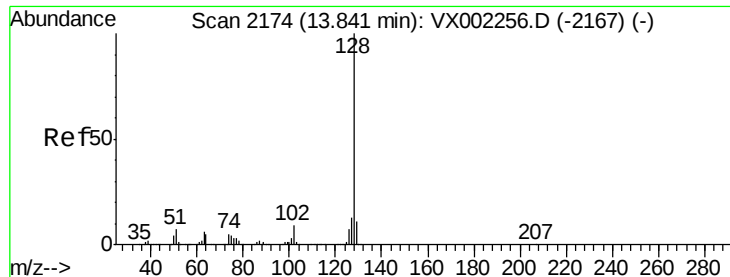


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 185.54 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

Instrument :

MSVOA_X

ClientSampleId :

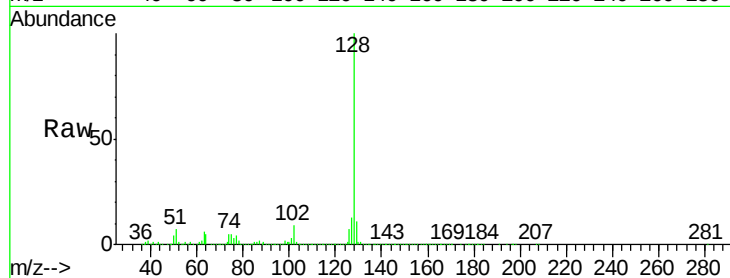
Tot Ion:128 Resp: 3269344

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

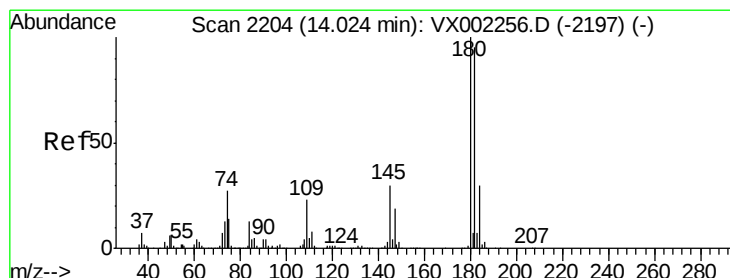
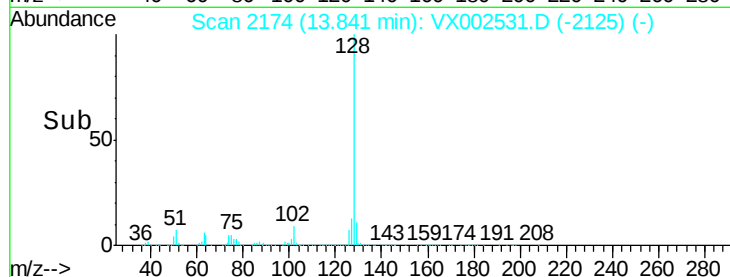
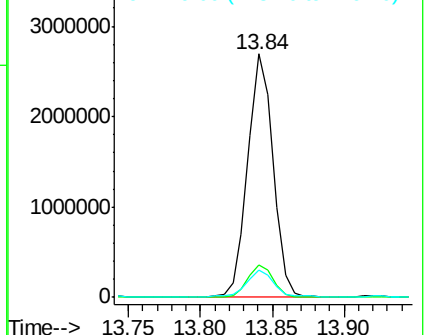
129 12.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.25 ug/l

RT: 14.04 min Scan# 2207

Delta R.T. 0.02 min

Lab File: VX002531.D

Acq: 14 Jun 2018 02:15

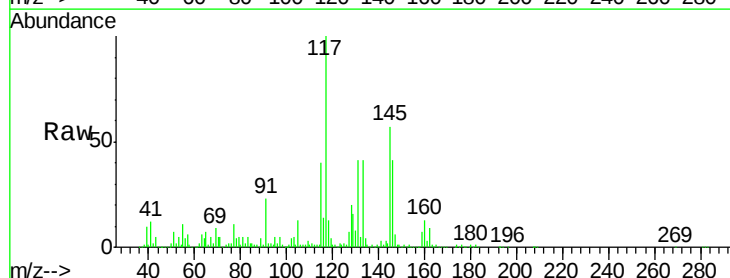
Tgt Ion:180 Resp: 1534

Ion Ratio Lower Upper

180 100

182 247.1 48.0 144.0#

145 11226.2 14.8 44.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

