

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060918\
 Data File : VX002431.D
 Acq On : 09 Jun 2018 19:43
 Operator : JC/MD
 Sample : J3394-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 11 04:10:04 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	211152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	312094	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	283527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	155764	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	146281	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
35) Dibromofluoromethane	5.51	113	111138	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
50) Toluene-d8	8.72	98	441121	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
62) 4-Bromofluorobenzene	11.14	95	154351	42.55	ug/l	0.00
Spiked Amount			Recovery	=	85.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	497	Below Cal	#	83
5) Bromomethane	1.66	94	1208	Below Cal		94
6) Chloroethane	1.92	64	649	0.36	ug/l #	53
8) Diethyl Ether	2.18	74	34	Below Cal	#	1
10) Methyl Iodide	2.52	142	1431	0.45	ug/l #	94
11) Tert butyl alcohol	3.08	59	876	Below Cal		99
13) Acrolein	2.27	56	2040	Below Cal	#	1
14) Allyl chloride	2.81	41	4186	0.86	ug/l #	1
15) Acrylonitrile	3.15	53	159	Below Cal		88
16) Acetone	2.45	43	2194	Below Cal		94
17) Carbon Disulfide	2.57	76	1975	0.33	ug/l #	91
18) Methyl Acetate	2.77	43	146	Below Cal	#	41
19) Methyl tert-butyl Ether	3.18	73	31	Below Cal	#	1
20) Methylene Chloride	2.85	84	558	Below Cal	#	60
22) Diisopropyl ether	3.87	45	49	Below Cal	#	35
25) 2-Butanone	4.72	43	826	0.40	ug/l	96
28) Bromochloromethane	5.02	49	20	Below Cal	#	13
31) Cyclohexane	5.58	56	6125	1.61	ug/l	89
36) 1,1-Dichloropropene	5.66	75	15121	4.61	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19918	5.80	ug/l #	16
39) Methylcyclohexane	7.46	83	8953	2.46	ug/l	94
40) Benzene	6.15	78	2289	0.23	ug/l #	88
52) Toluene	8.79	92	3329	0.52	ug/l	99
55) 1,1,2-Trichloroethane	9.16	97	2724	1.04	ug/l #	21
65) Chlorobenzene	10.14	112	4446	0.63	ug/l	94
68) m/p-Xylenes	10.37	106	1282	0.28	ug/l	98
69) o-Xylene	10.70	106	1867	0.41	ug/l	87
73) Isopropylbenzene	11.02	105	98713	9.11	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.28	83	682	0.20	ug/l #	26
76) 1,2,3-Trichloropropane	11.14	75	84512	24.73	ug/l #	33
78) n-propylbenzene	11.37	91	28131	2.34	ug/l	97
79) 2-Chlorotoluene	11.37	91	28131	3.70	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.67	105	2034	0.22	ug/l	78
81) trans-1,4-Dichloro-2-buten	11.14	75	84512	86.68	ug/l #	7

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Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

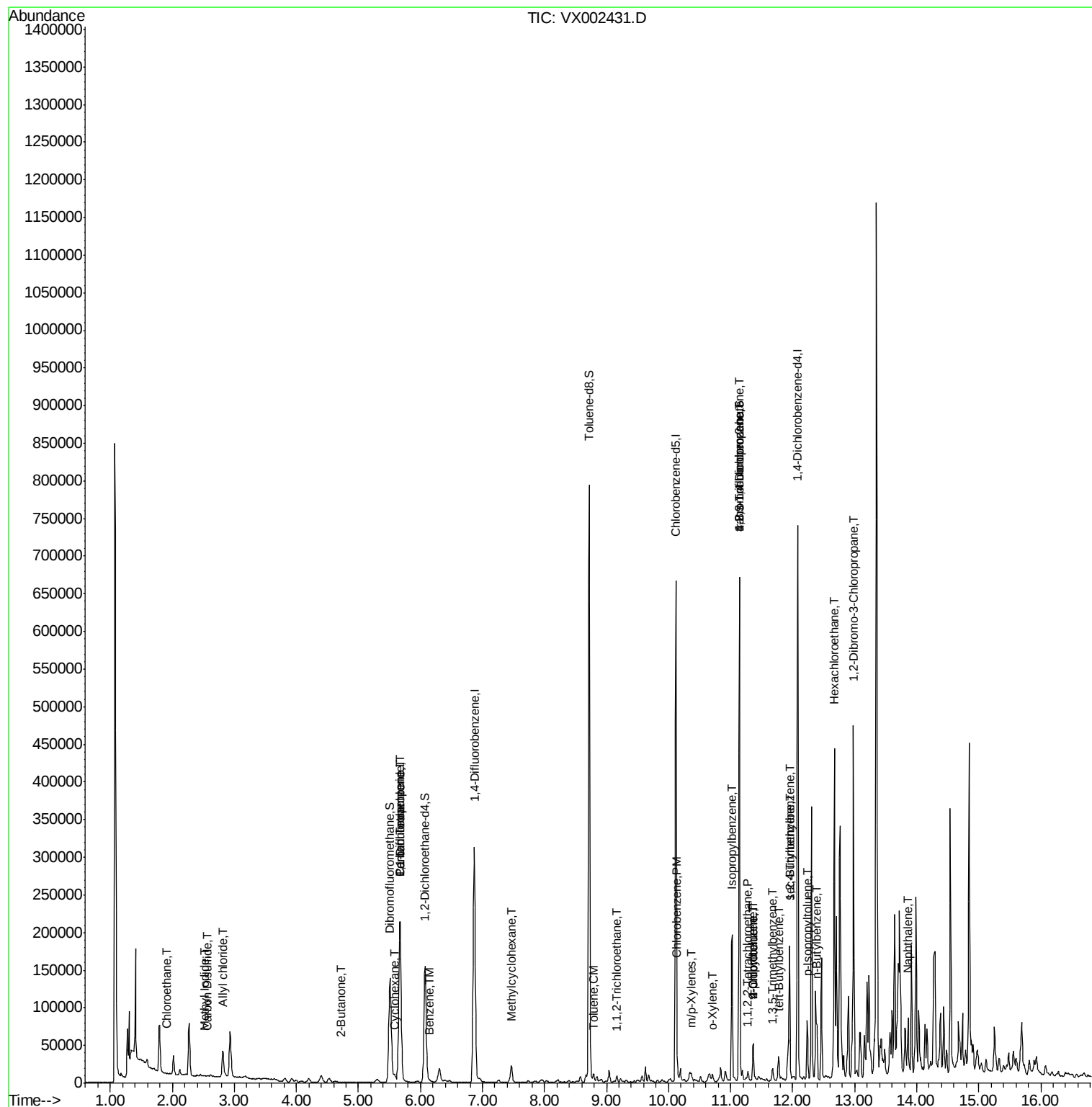
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	11.37	91	28131	3.20	ug/l #	44
83) tert-Butylbenzene	11.77	119	11063	1.22	ug/l	87
84) 1,2,4-Trimethylbenzene	11.95	105	88760	9.28	ug/l #	32
85) sec-Butylbenzene	11.95	105	88760	8.37	ug/l	85
86) p-Isopropyltoluene	12.24	119	32597	3.37	ug/l	96
89) n-Butylbenzene	12.39	91	32282	3.98	ug/l #	71
90) Hexachloroethane	12.67	117	20293	13.15	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	12.98	75	1793	2.41	ug/l #	4
95) Naphthalene	13.86	128	2304	0.20	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :

MSVOA_X

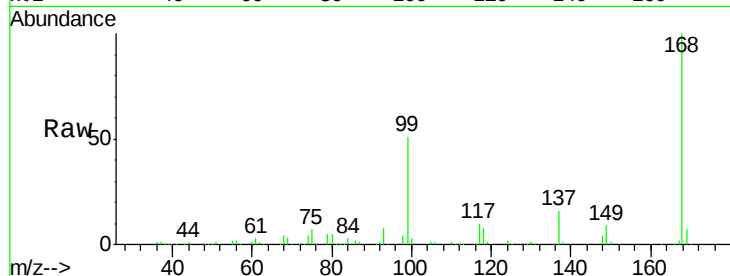
ClientSampled :

Tot Ion:168 Resp: 211152

Ion Ratio Lower Upper

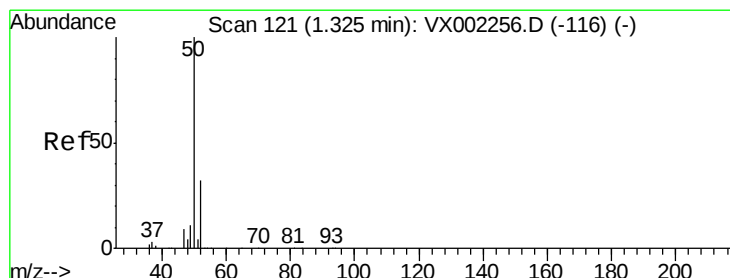
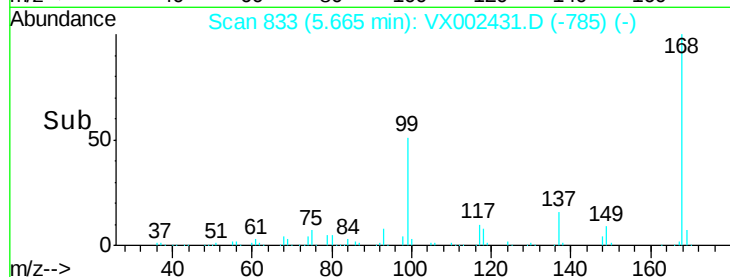
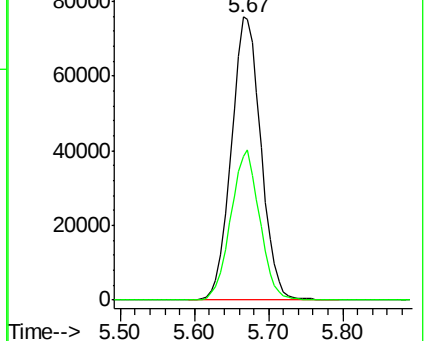
168 100

99 50.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002431.D

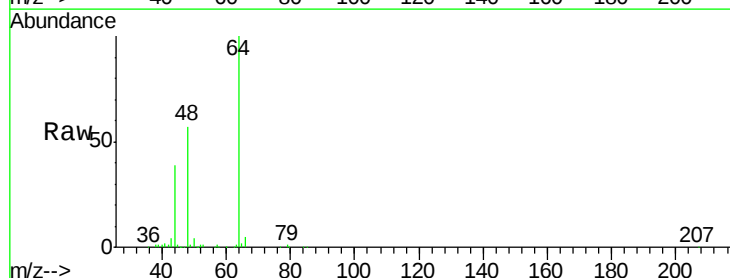
Acq: 09 Jun 2018 19:43

Tgt Ion: 50 Resp: 497

Ion Ratio Lower Upper

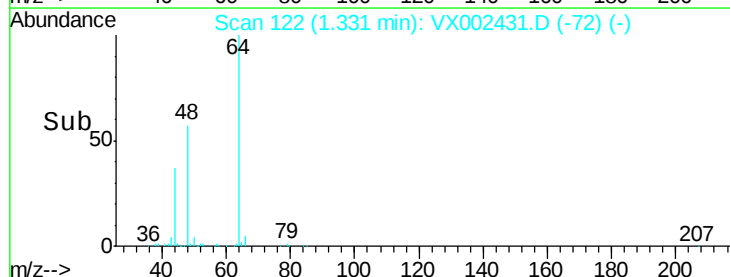
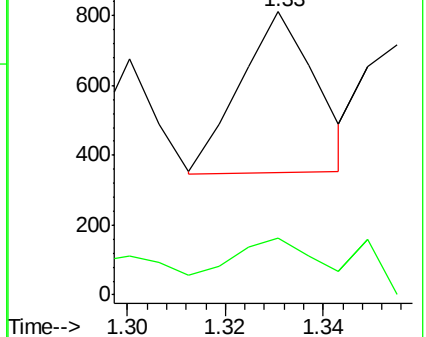
50 100

52 22.7 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :

MSVOA_X

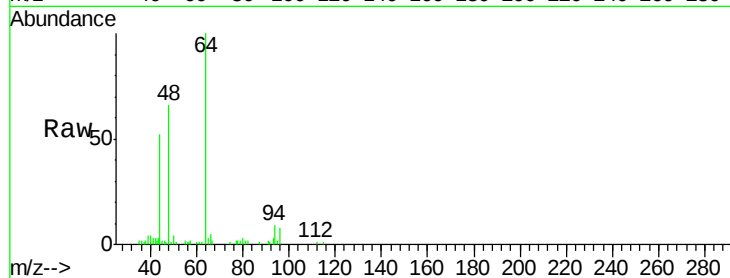
ClientSampled :

Tot Ion: 94 Resp: 1208

Ion Ratio Lower Upper

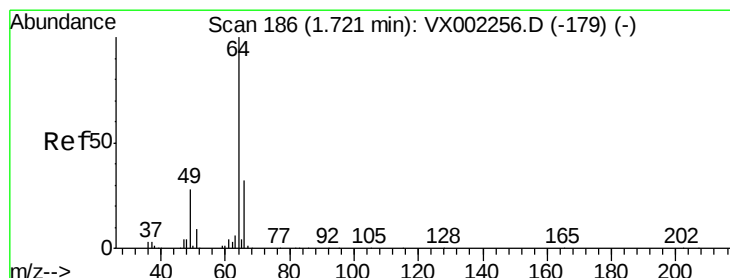
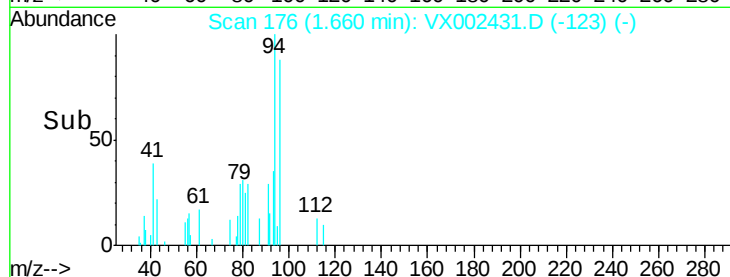
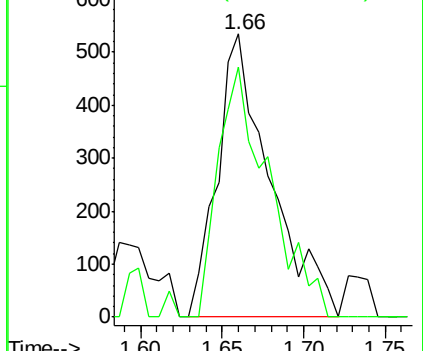
94 100

96 88.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.36 ug/l

RT: 1.92 min Scan# 218

Delta R.T. 0.19 min

Lab File: VX002431.D

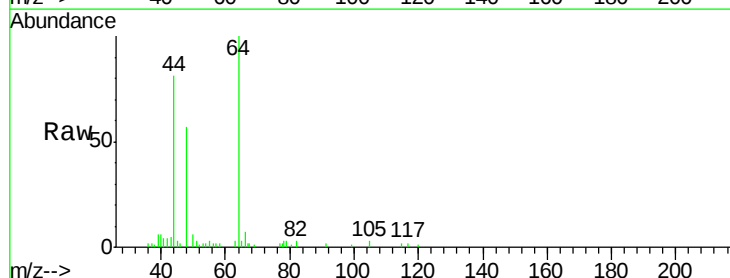
Acq: 09 Jun 2018 19:43

Tgt Ion: 64 Resp: 649

Ion Ratio Lower Upper

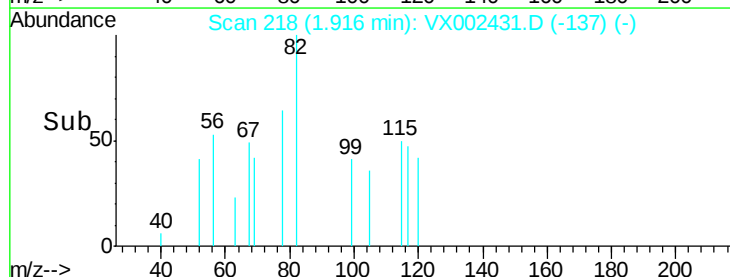
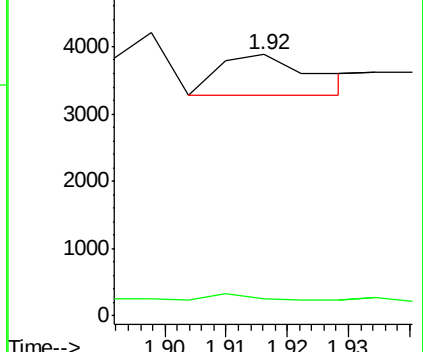
64 100

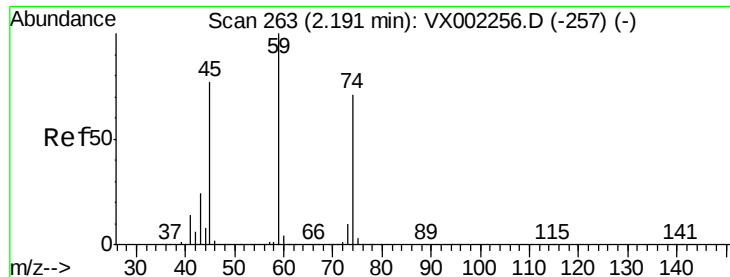
66 5.8 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

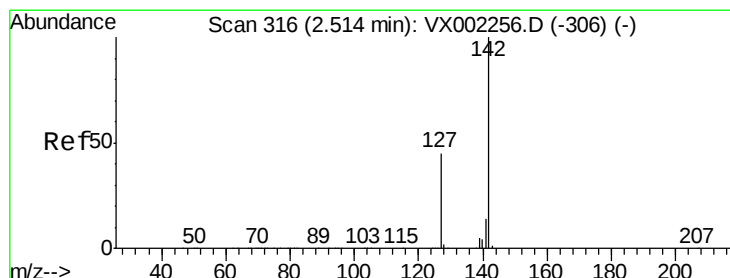
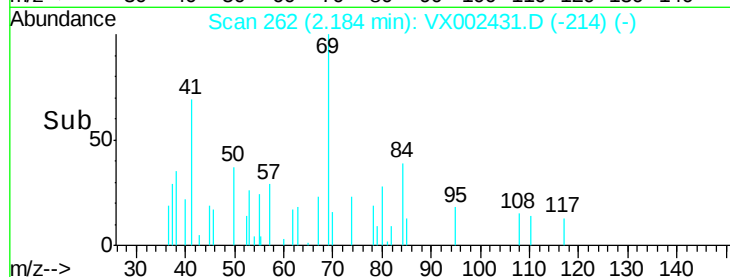
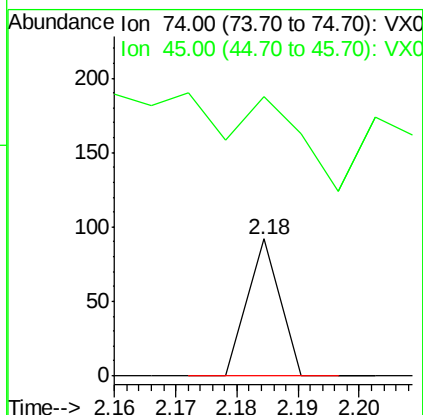
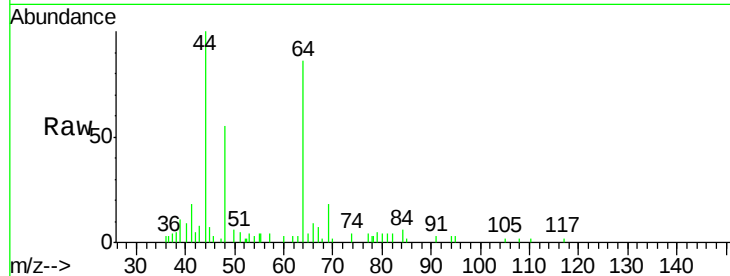




#8
Diethyl Ether
Concen: Below Cal
RT: 2.18 min Scan# 262
Delta R.T. -0.01 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

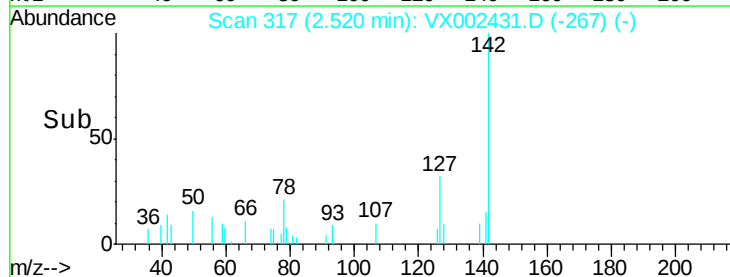
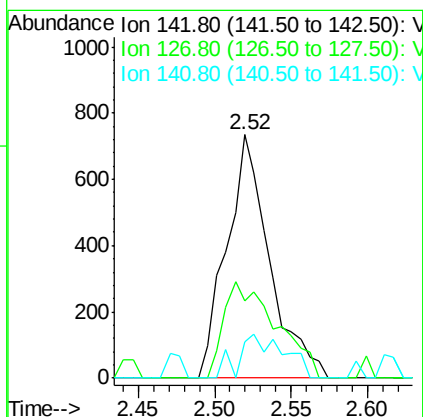
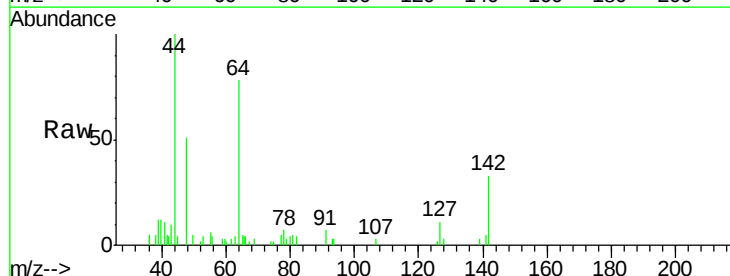
Instrument :
MSVOA_X
ClientSampleId :

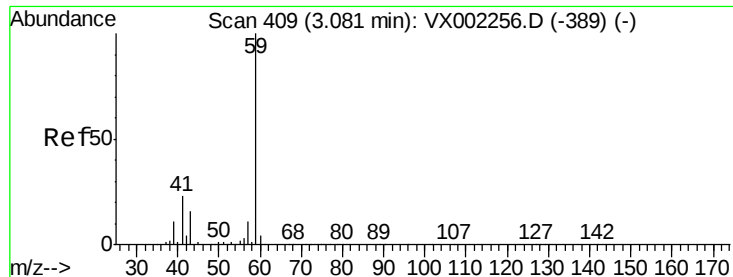
Tot Ion: 74 Resp: 34
Ion Ratio Lower Upper
74 100
45 350.0 53.1 159.4#



#10
Methyl Iodide
Concen: 0.45 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Tgt Ion: 142 Resp: 1431
Ion Ratio Lower Upper
142 100
127 48.6 36.6 55.0
141 18.9 11.3 16.9#

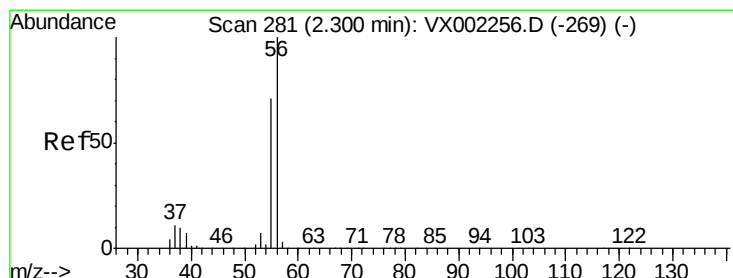
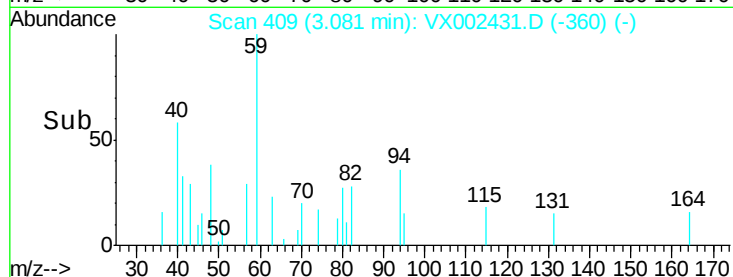
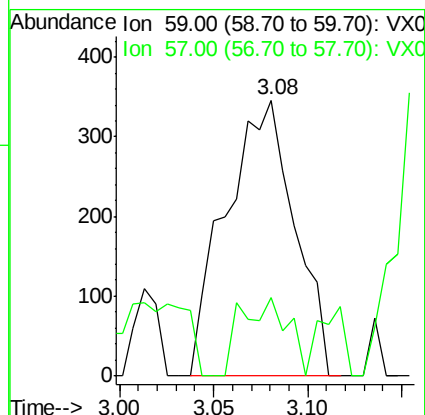
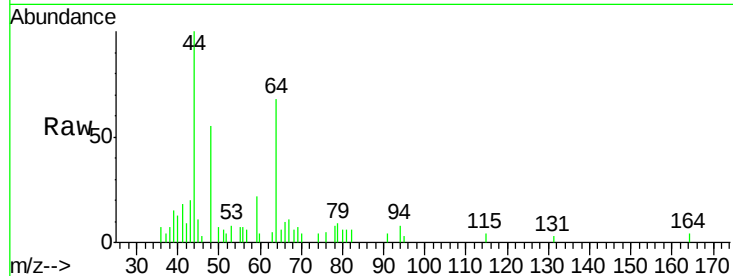




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

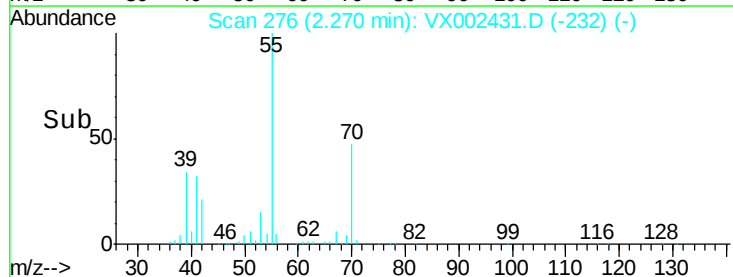
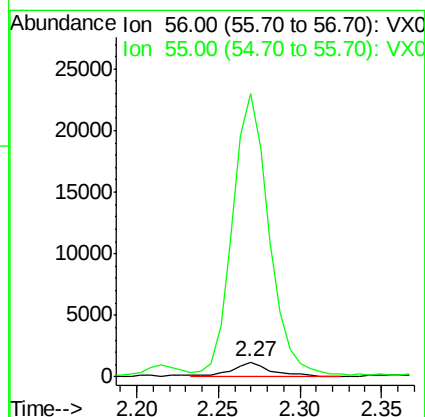
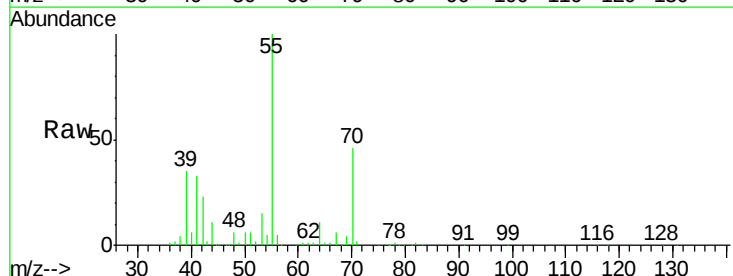
Instrument :
MSVOA_X
ClientSampleId :

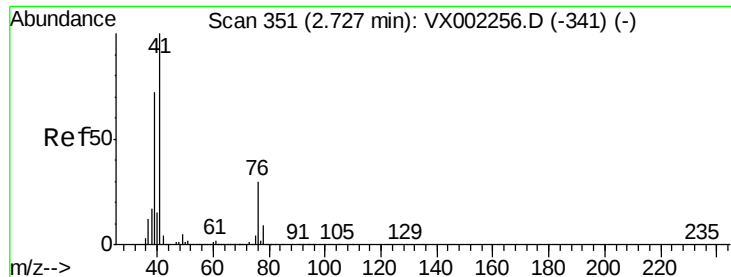
Tot Ion: 59 Resp: 876
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.2



#13
Acrolein
Concen: Below Cal
RT: 2.27 min Scan# 276
Delta R.T. -0.03 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Tgt Ion: 56 Resp: 2040
Ion Ratio Lower Upper
56 100
55 1734.1 57.0 85.4#





#14

Allvl chloride

Concen: 0.86 ua/l

RT: 2.81 min Scan# 365

Delta R.T. 0.09 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :

MSVOA_X

ClientSampleId :

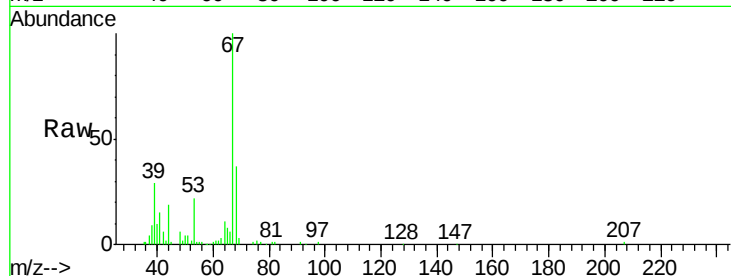
Tot Ion: 41 Resp: 4186

Ion Ratio Lower Upper

41 100

39 181.9 56.8 85.2#

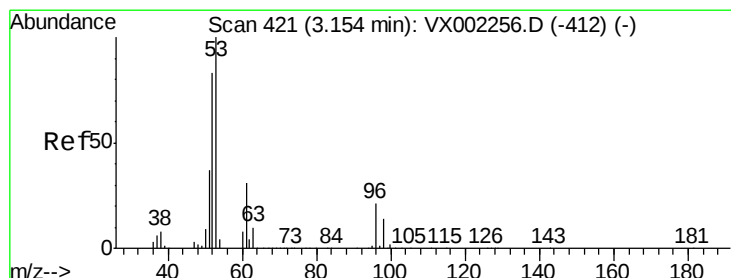
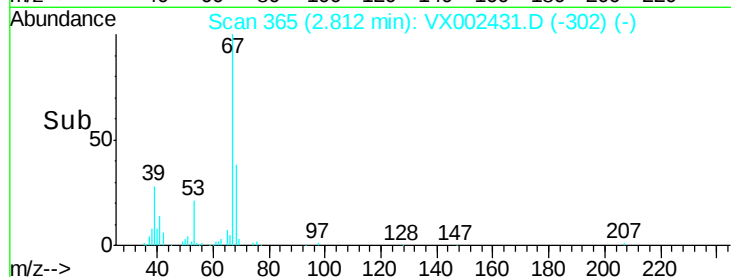
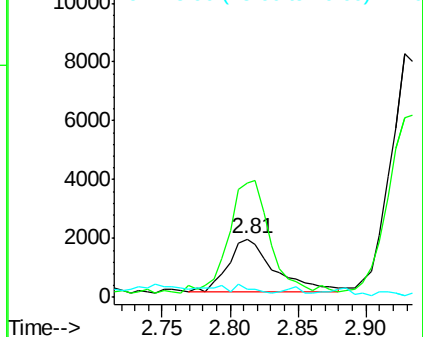
76 0.0 23.8 35.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

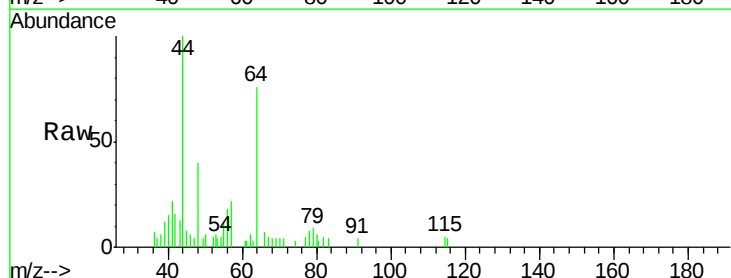
Tgt Ion: 53 Resp: 159

Ion Ratio Lower Upper

53 100

52 95.0 66.7 100.1

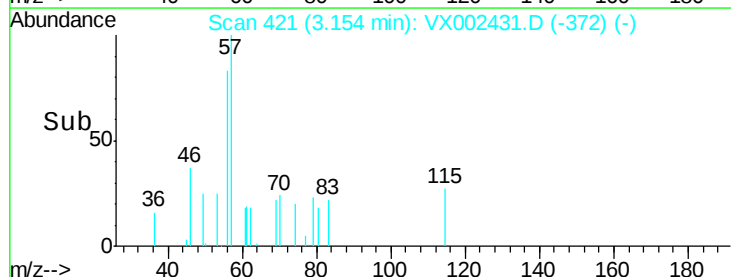
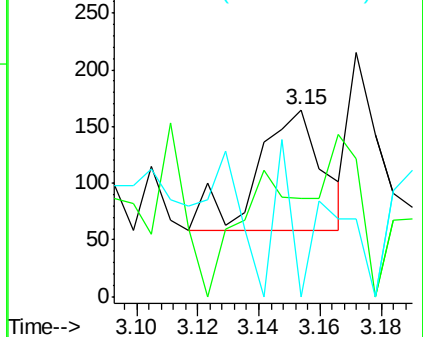
51 31.4 29.9 44.9

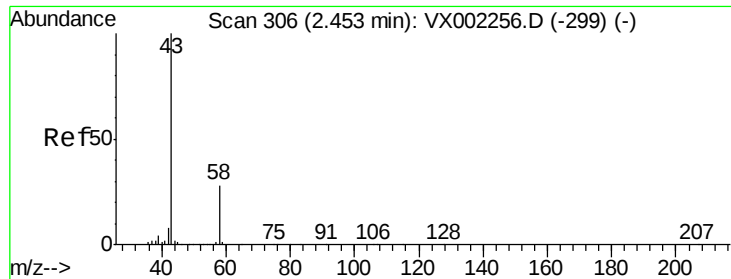


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :

MSVOA_X

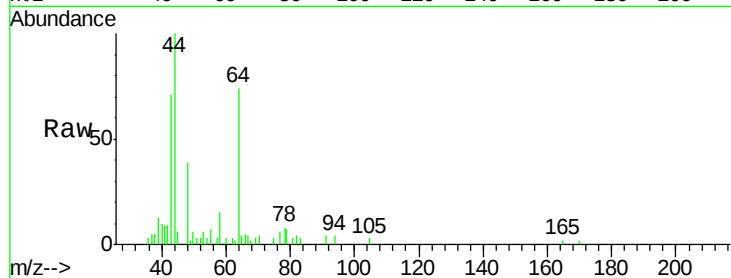
ClientSampled :

Tot Ion: 43 Resp: 2194

Ion Ratio Lower Upper

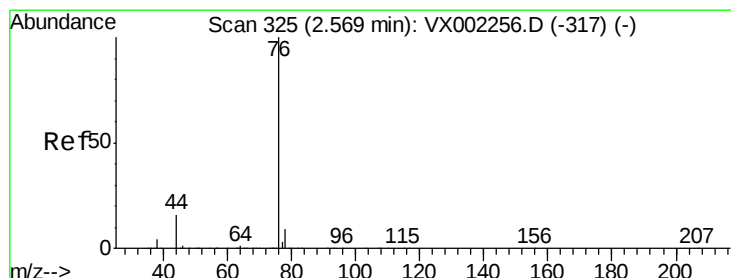
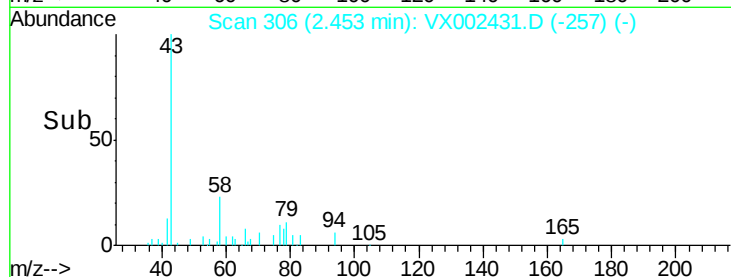
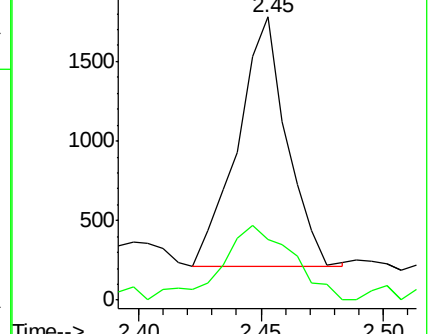
43 100

58 24.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.33 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002431.D

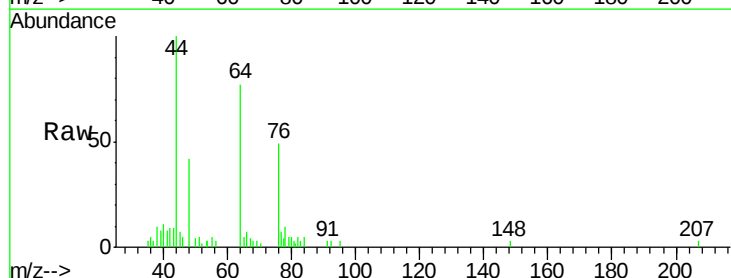
Acq: 09 Jun 2018 19:43

Tgt Ion: 76 Resp: 1975

Ion Ratio Lower Upper

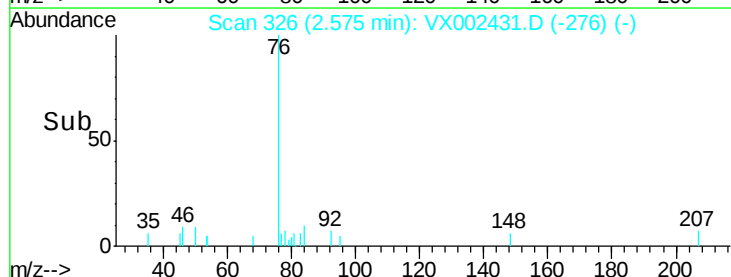
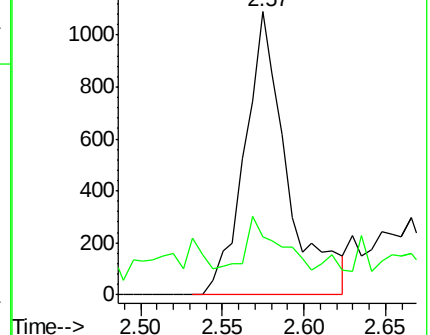
76 100

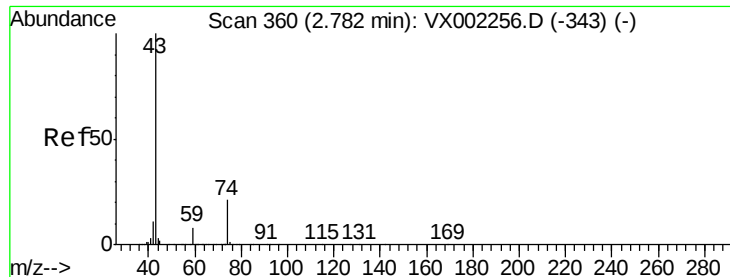
78 11.7 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

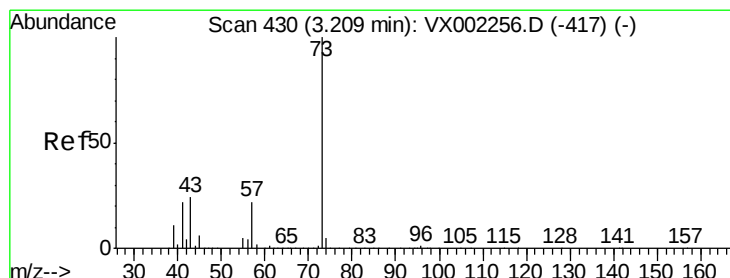
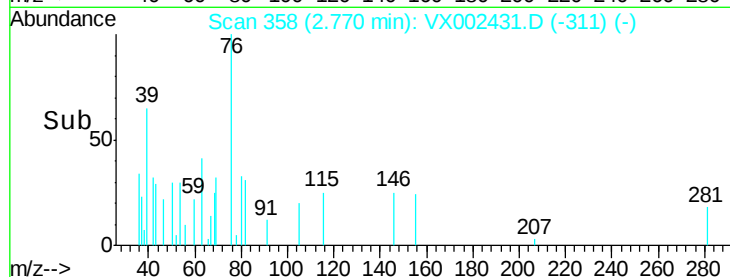
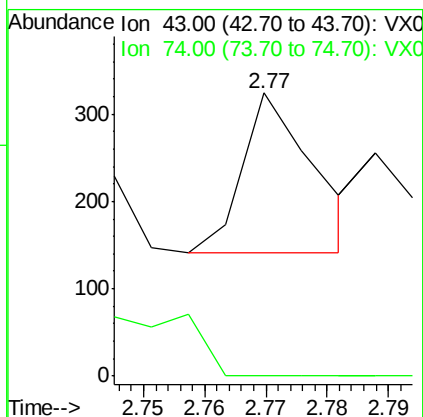
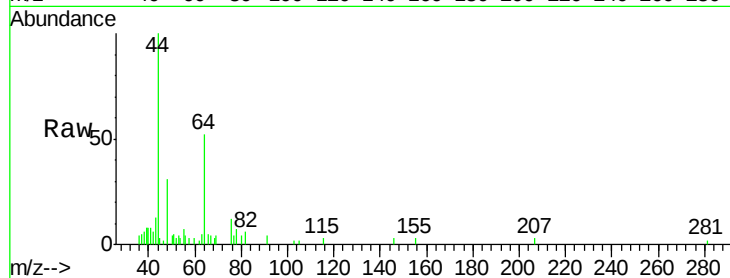




#18
Methyl Acetate
Concen: Below Cal
RT: 2.77 min Scan# 358
Delta R.T. -0.01 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

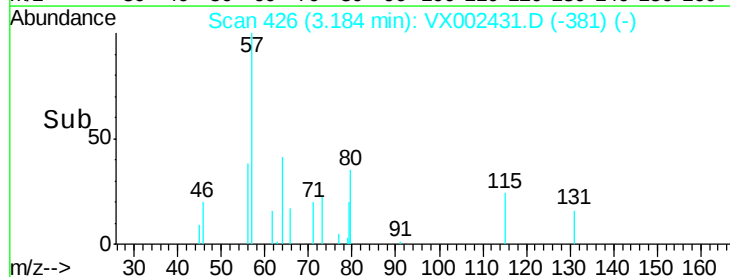
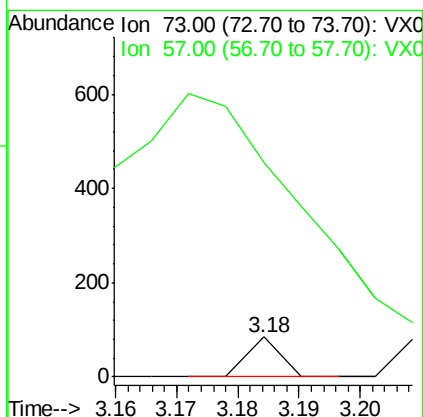
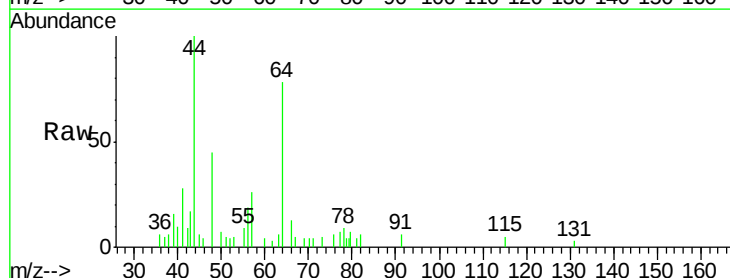
Instrument :
MSVOA_X
ClientSampled :

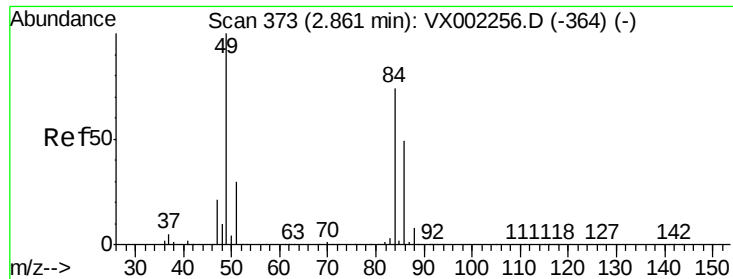
Tot Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
74 48.6 16.7 25.1#



#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.18 min Scan# 426
Delta R.T. -0.02 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Tgt Ion: 73 Resp: 31
Ion Ratio Lower Upper
73 100
57 215.5 17.7 26.5#

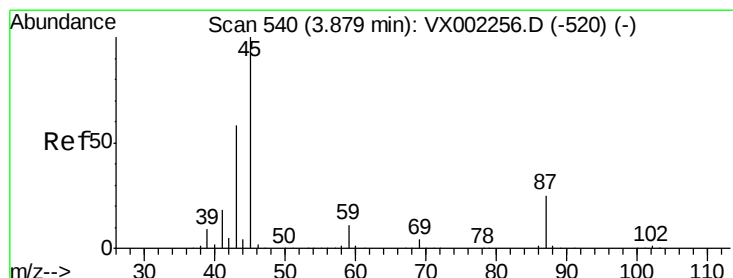
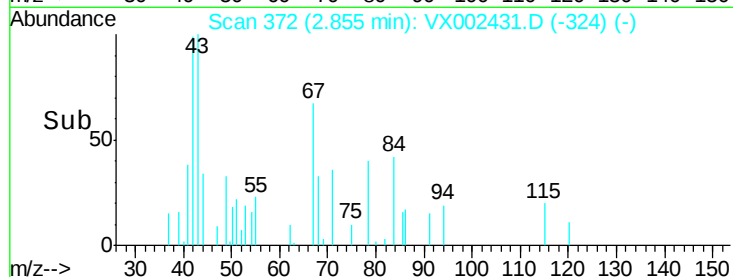
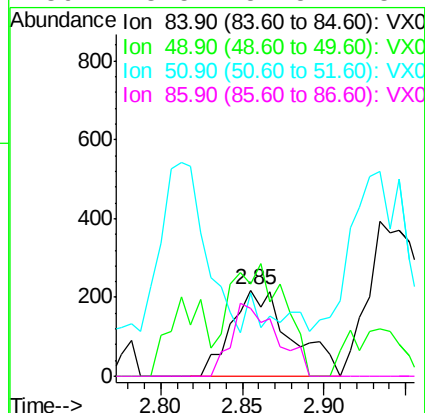
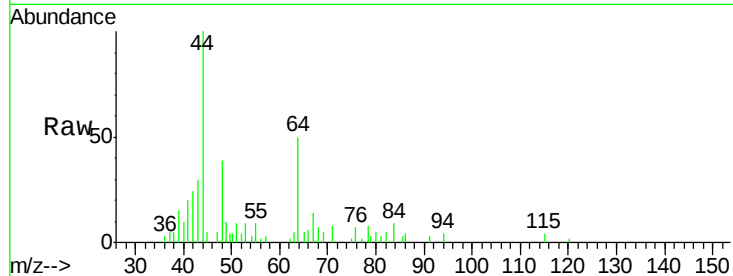




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

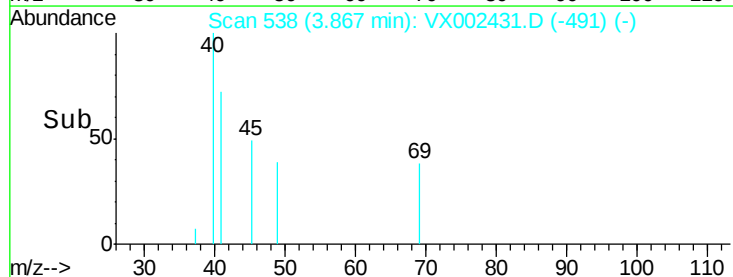
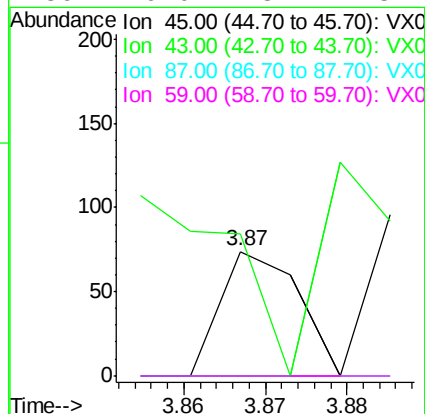
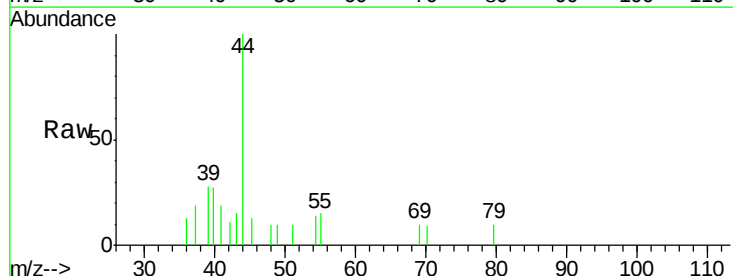
Instrument :
MSVOA_X
ClientSampleId :

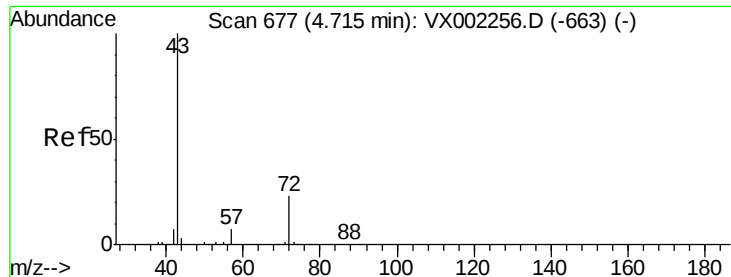
Tot Ion: 84 Resp: 558
Ion Ratio Lower Upper
84 100
49 77.6 107.8 161.6#
51 8.7 32.8 49.2#
86 78.5 52.5 78.7



#22
Diisopropyl ether
Concen: Below Cal
RT: 3.87 min Scan# 538
Delta R.T. -0.01 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Tgt Ion: 45 Resp: 49
Ion Ratio Lower Upper
45 100
43 0.0 46.8 70.2#
87 0.0 20.2 30.4#
59 0.0 8.7 13.1#





#25

2-Butanone

Concen: 0.40 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :

MSVOA_X

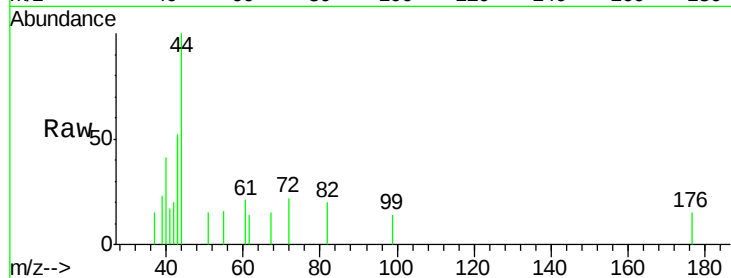
ClientSampleId :

Tot Ion: 43 Resp: 826

Ion Ratio Lower Upper

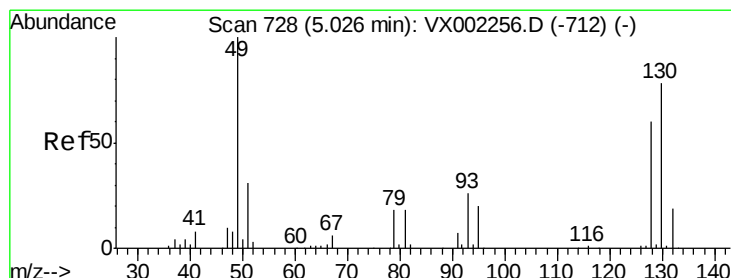
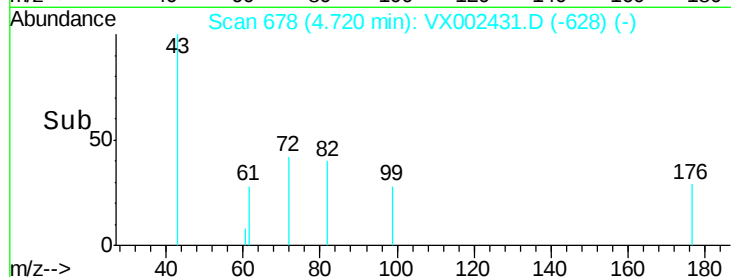
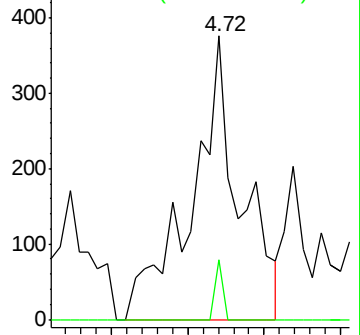
43 100

72 21.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

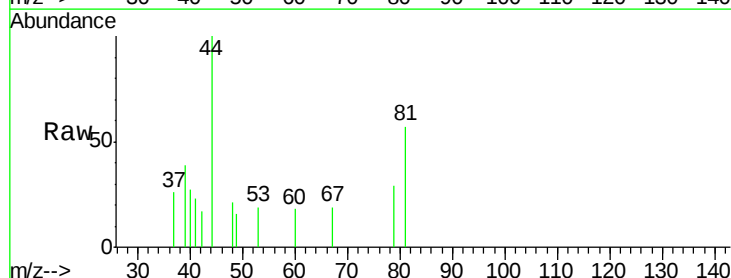
Tgt Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

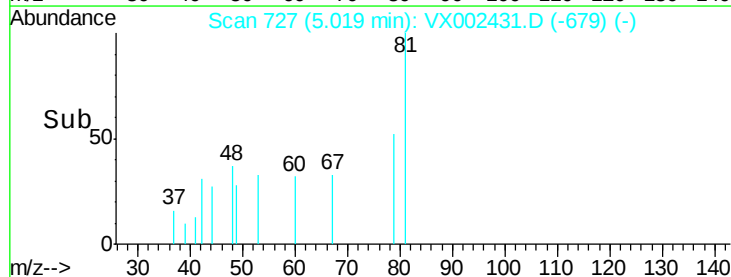
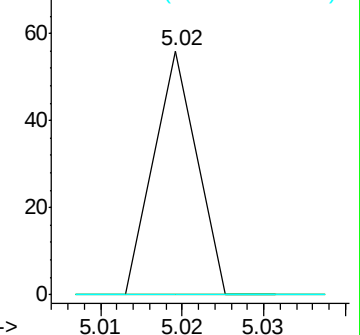
130 0.0 61.2 91.8#

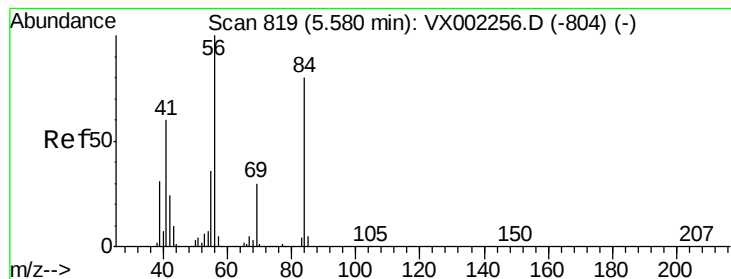


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 1.61 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :
MSVOA_X
ClientSampleId :

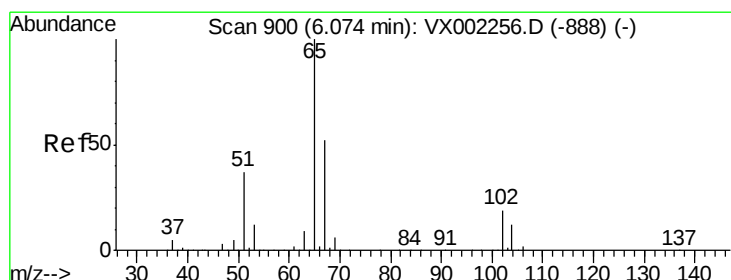
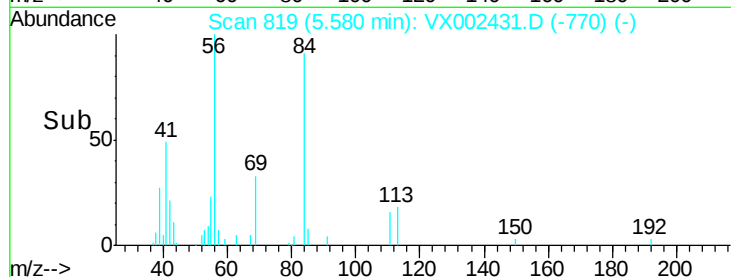
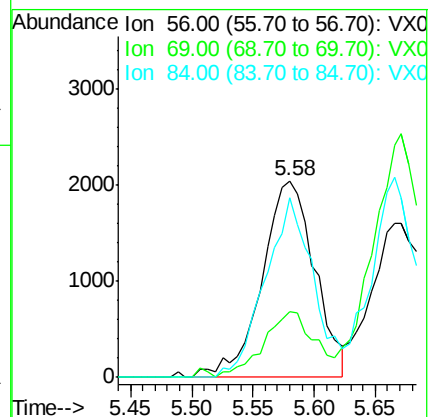
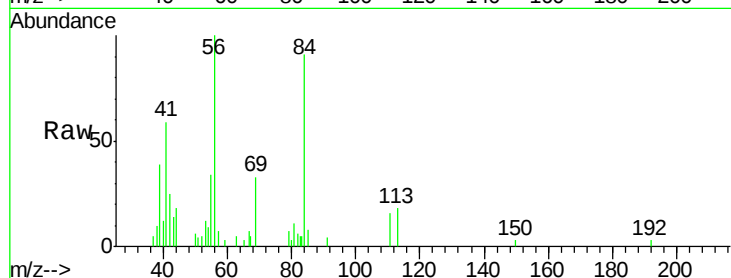
Tot Ion: 56 Resp: 6125

Ion Ratio Lower Upper

56 100

69 33.4 23.7 35.5

84 91.2 64.1 96.1



#33

1,2-Dichloroethane-d4

Concen: 48.33 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002431.D

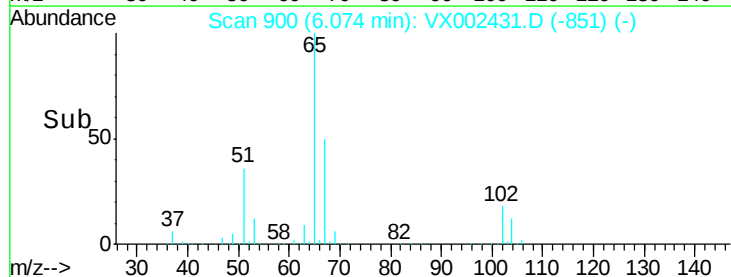
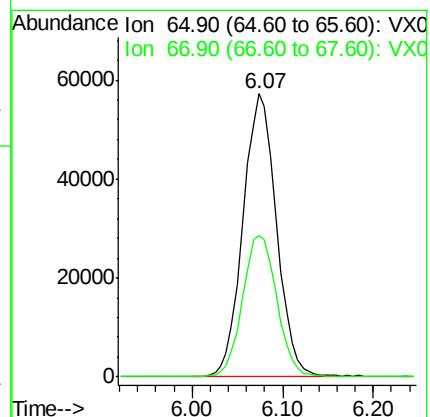
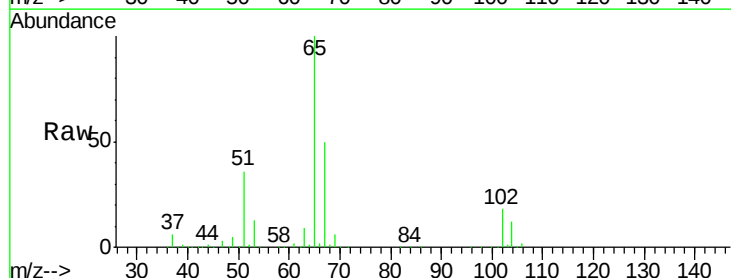
Acq: 09 Jun 2018 19:43

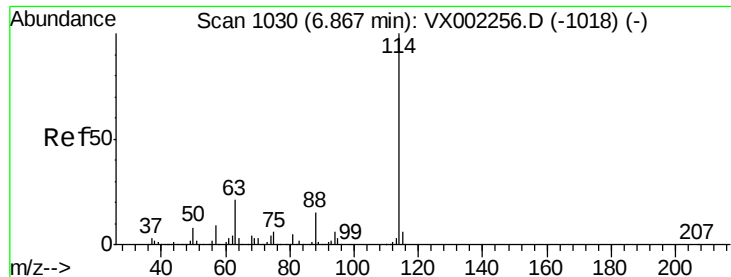
Tgt Ion: 65 Resp: 146281

Ion Ratio Lower Upper

65 100

67 51.2 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: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :
MSVOA_X
ClientSampleId :

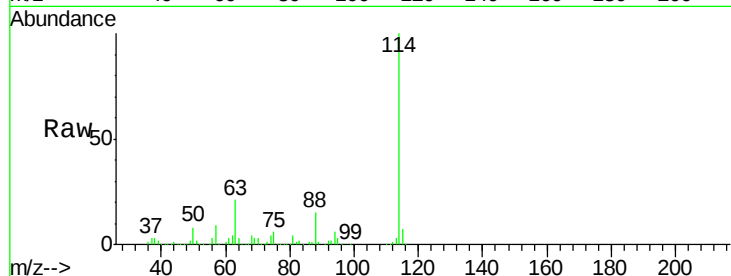
Tot Ion:114 Resp: 312094

Ion Ratio Lower Upper

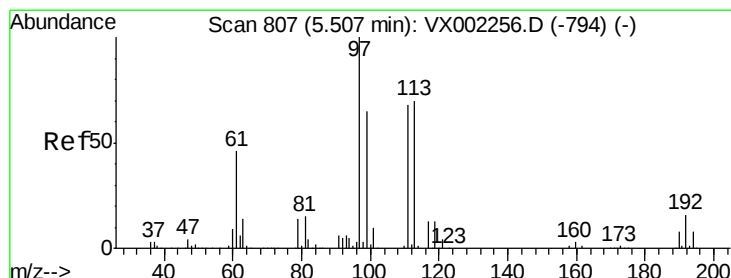
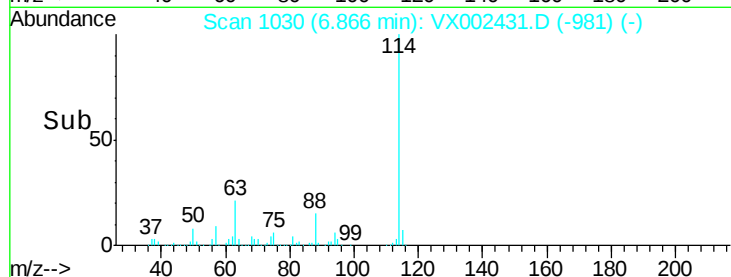
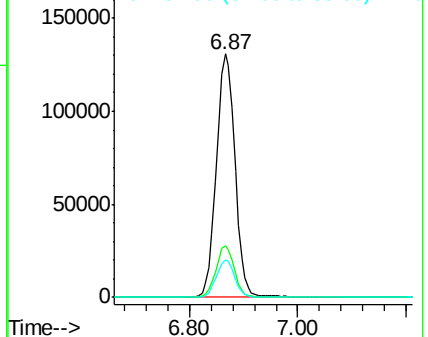
114 100

63 21.0 0.0 41.4

88 15.5 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: 45.28 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

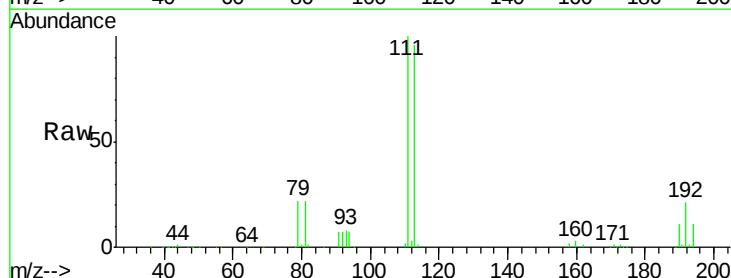
Tgt Ion:113 Resp: 111138

Ion Ratio Lower Upper

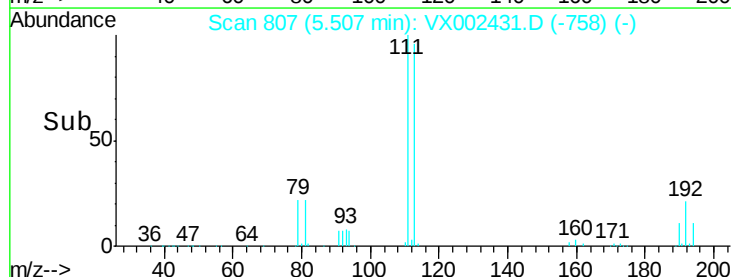
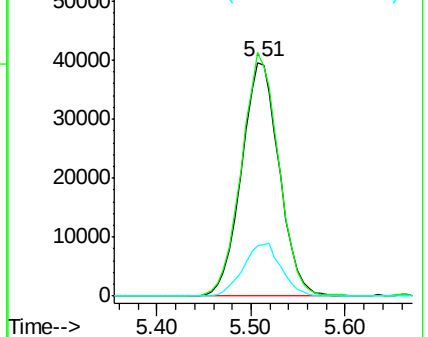
113 100

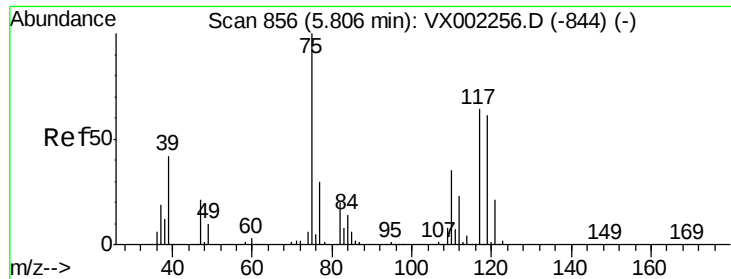
111 102.6 81.4 122.0

192 22.8 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

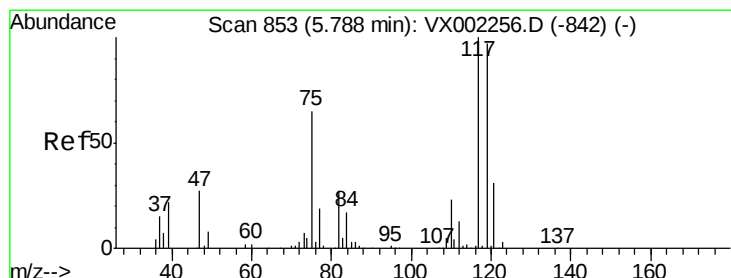
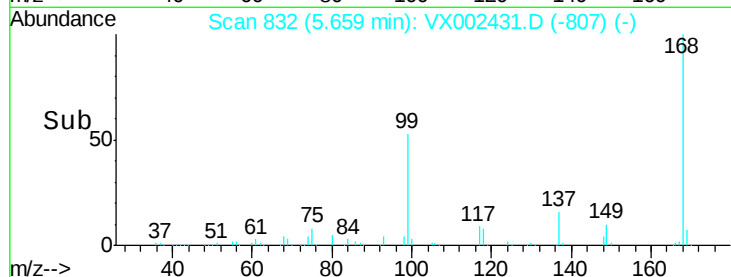
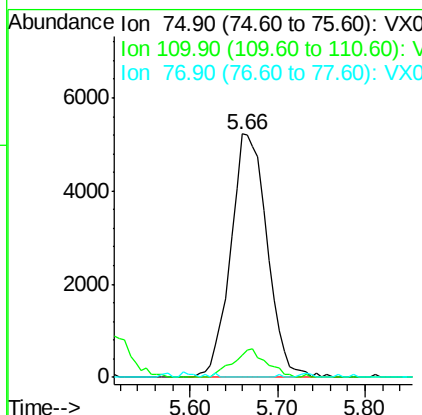
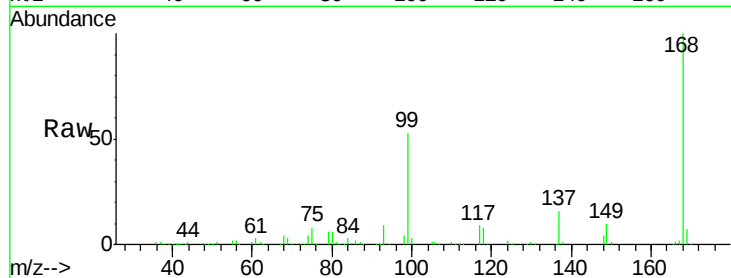




#36
 1,1-Dichloropropene
 Concen: 4.61 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.15 min
 Lab File: VX002431.D
 Acq: 09 Jun 2018 19:43

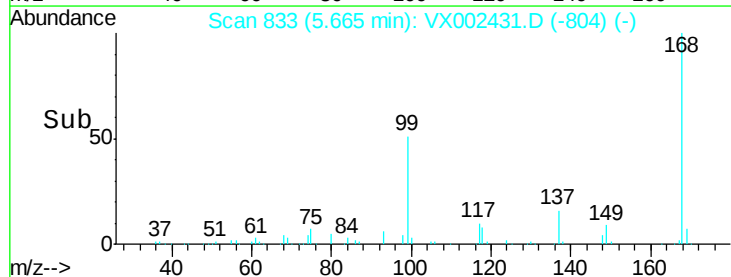
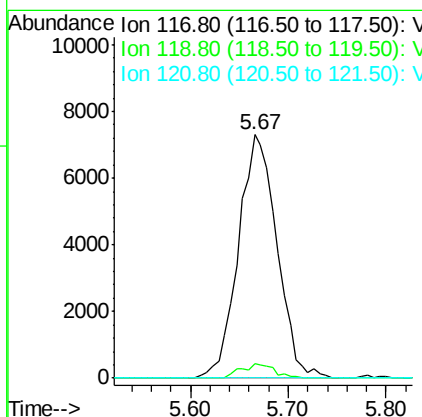
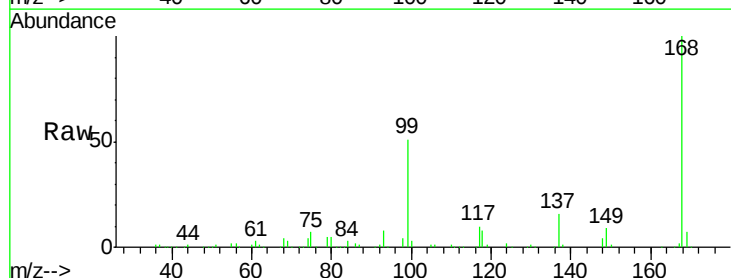
Instrument :
 MSVOA_X
 ClientSampleId :

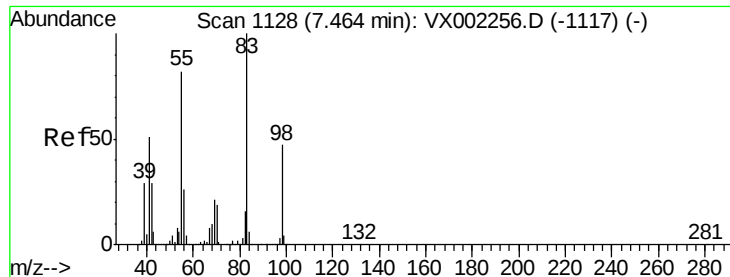
Tot Ion: 75 Resp: 15121
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.1 54.4#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.80 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002431.D
 Acq: 09 Jun 2018 19:43

Tgt Ion:117 Resp: 19918
 Ion Ratio Lower Upper
 117 100
 119 5.9 77.4 116.0#
 121 0.0 24.4 36.6#

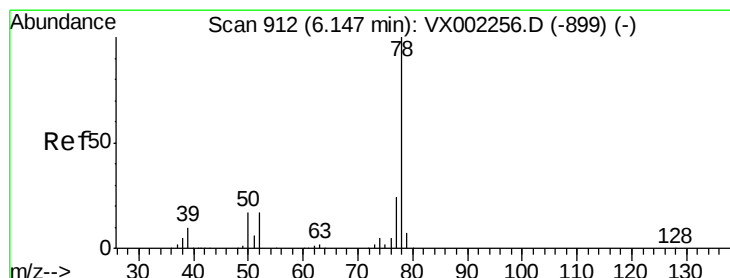
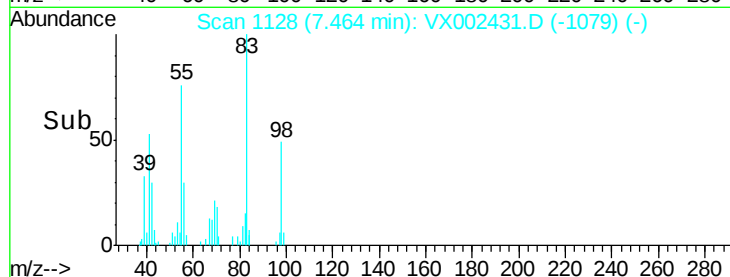
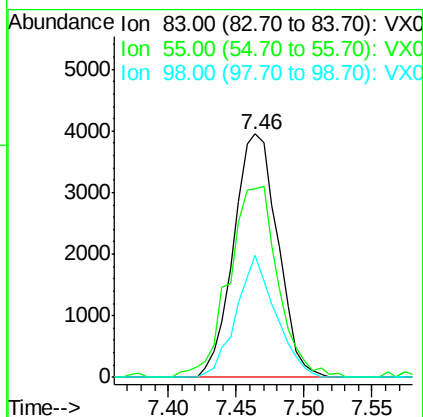
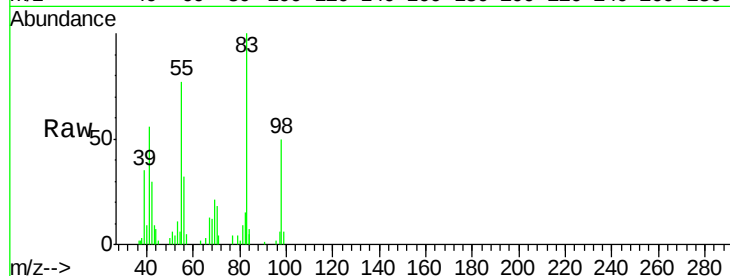




#39
Methvlcvclohexane
Concen: 2.46 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

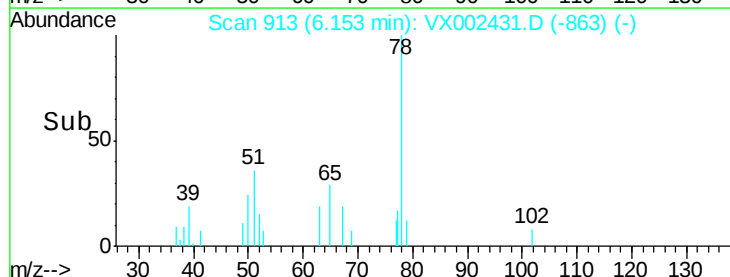
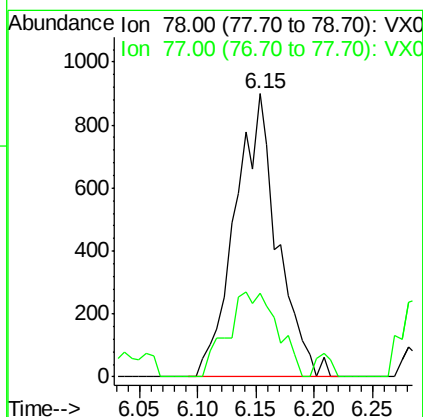
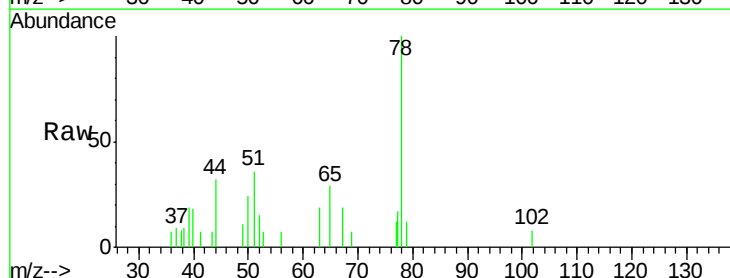
Instrument :
MSVOA_X
ClientSampled :

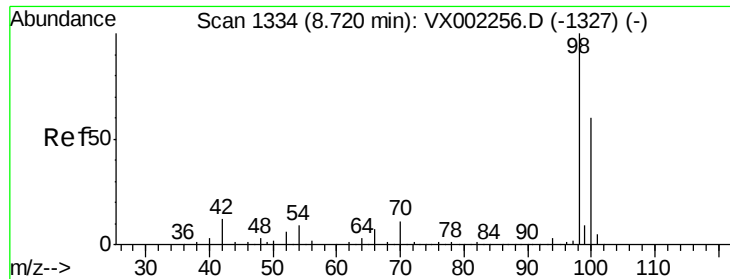
Tot Ion: 83 Resp: 8953
Ion Ratio Lower Upper
83 100
55 75.5 65.4 98.0
98 50.3 37.4 56.0



#40
Benzene
Concen: 0.23 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Tgt Ion: 78 Resp: 2289
Ion Ratio Lower Upper
78 100
77 29.7 19.1 28.7#

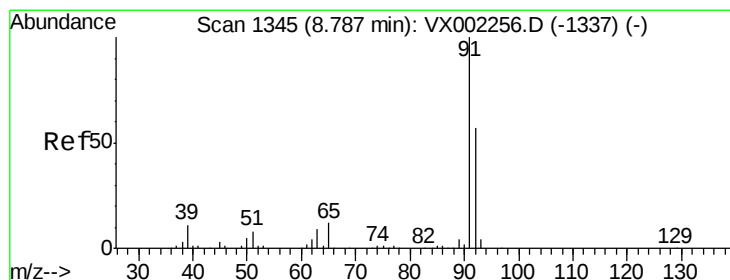
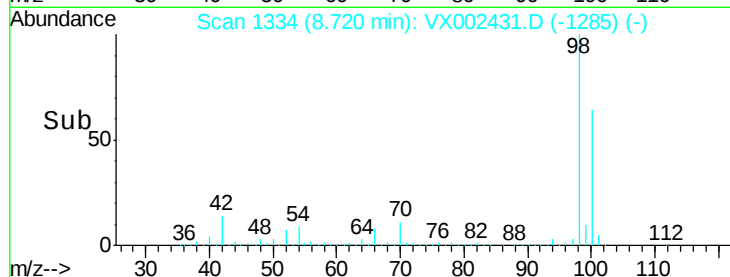
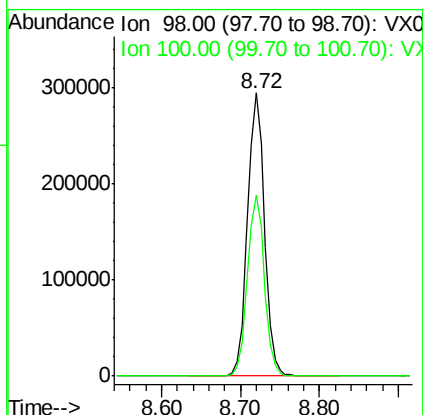
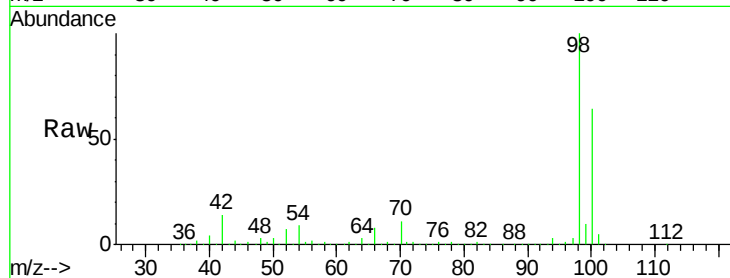




#50
Toluene-d8
Concen: 46.89 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

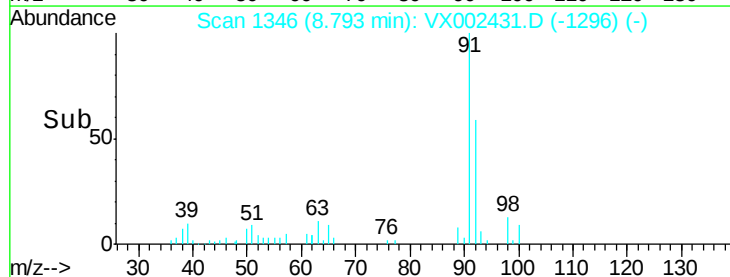
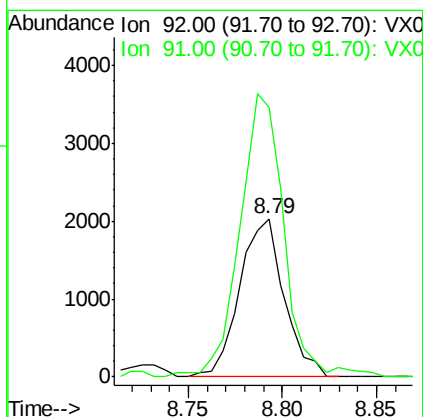
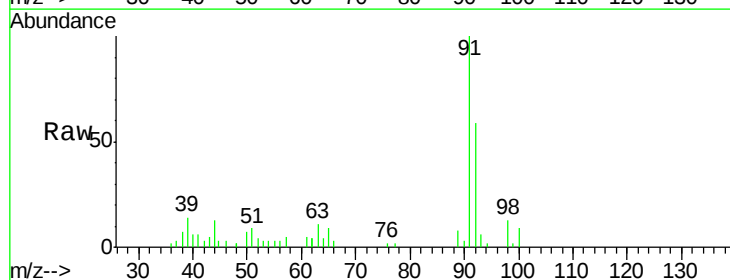
Instrument :
MSVOA_X
ClientSampleId :

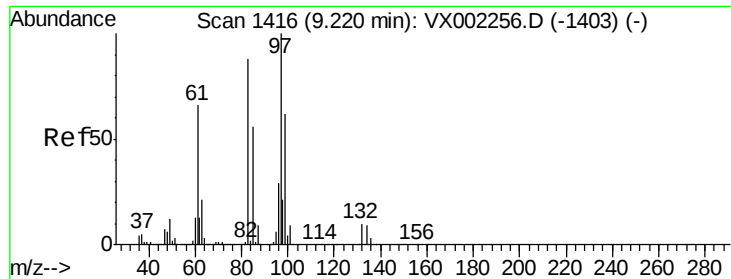
Tot Ion: 98 Resp: 441121
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



#52
Toluene
Concen: 0.52 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Tgt Ion: 92 Resp: 3329
Ion Ratio Lower Upper
92 100
91 177.1 140.4 210.6

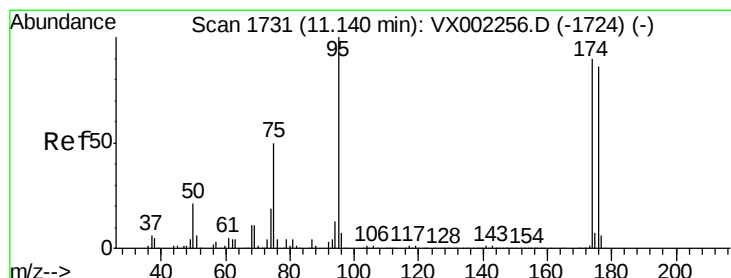
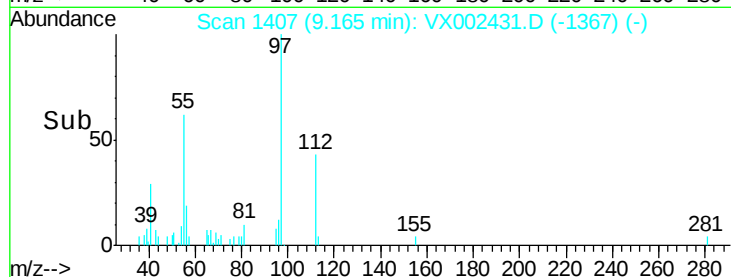
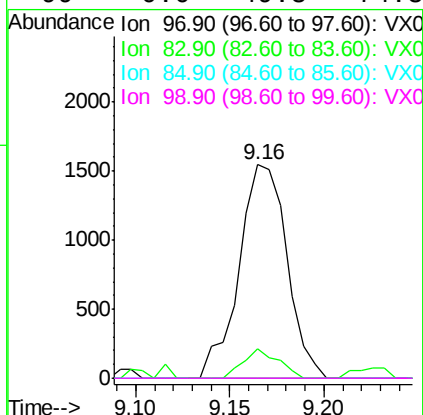
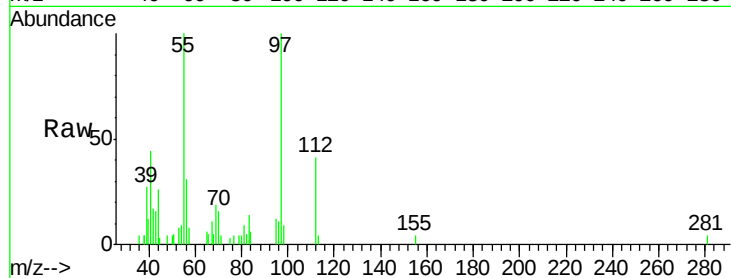




#55
 1,1,2-Trichloroethane
 Concen: 1.04 ug/l
 RT: 9.16 min Scan# 1407
 Delta R.T. -0.06 min
 Lab File: VX002431.D
 Acq: 09 Jun 2018 19:43

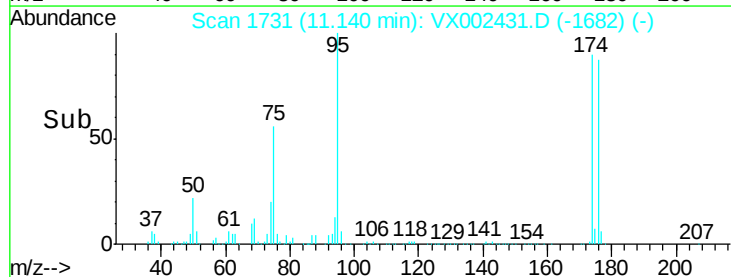
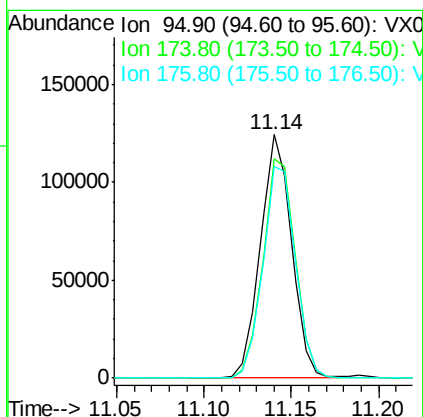
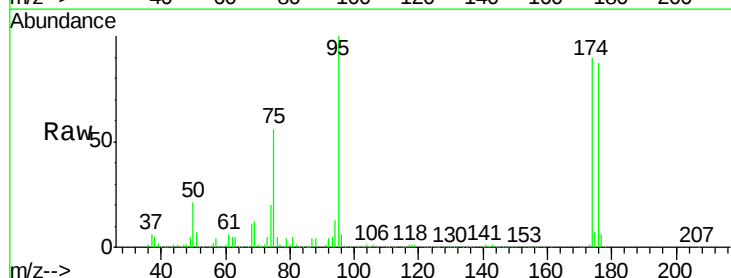
Instrument :
 MSVOA_X
 ClientSampleId :

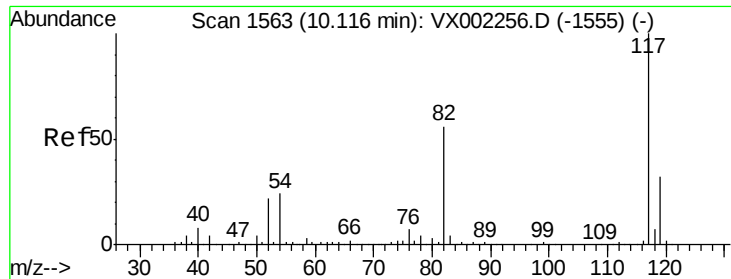
Tot Ion: 97 Resp: 2724
 Ion Ratio Lower Upper
 97 100
 83 13.8 70.2 105.2#
 85 0.0 44.9 67.3#
 99 0.0 49.8 74.8#



#62
 4-Bromofluorobenzene
 Concen: 42.55 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX002431.D
 Acq: 09 Jun 2018 19:43

Tgt Ion: 95 Resp: 154351
 Ion Ratio Lower Upper
 95 100
 174 93.7 0.0 187.4
 176 90.8 0.0 181.0

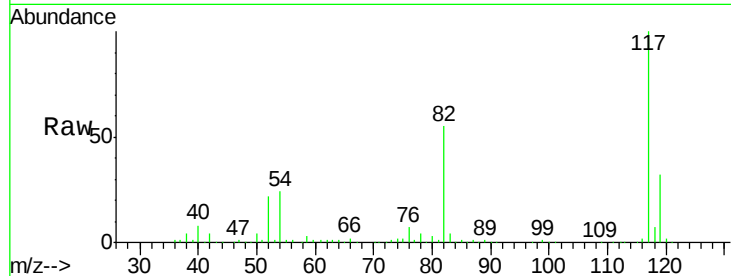




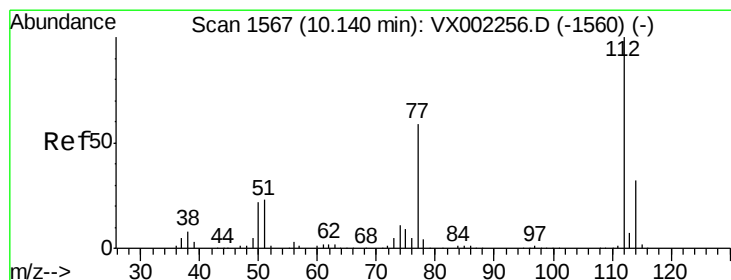
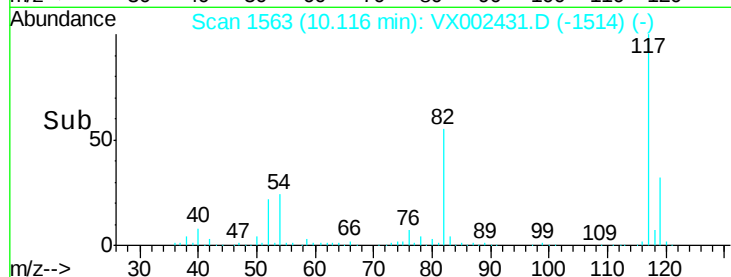
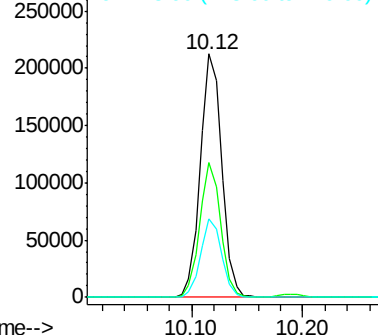
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 283527
Ion Ratio Lower Upper
117 100
82 55.3 45.0 67.4
119 32.1 25.8 38.6

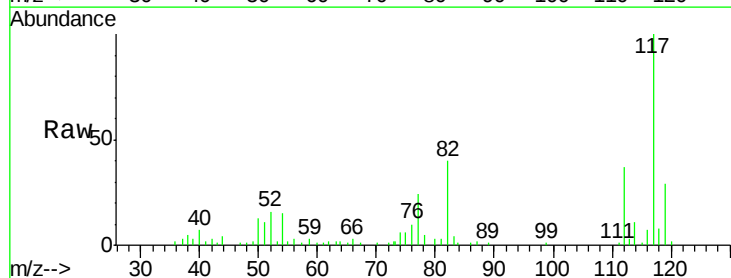


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

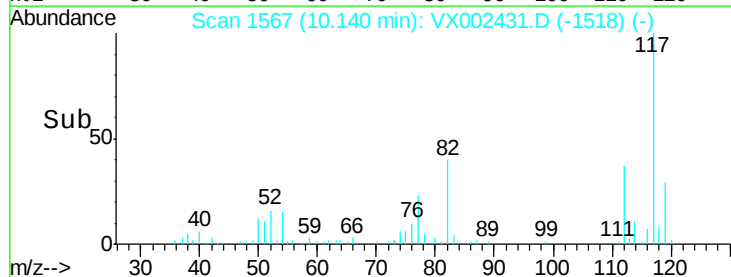
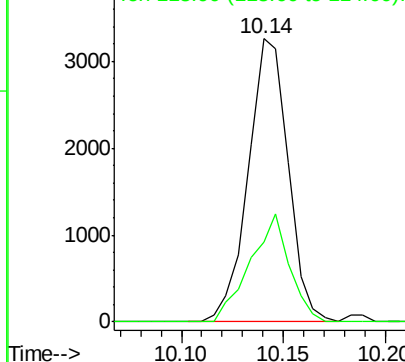


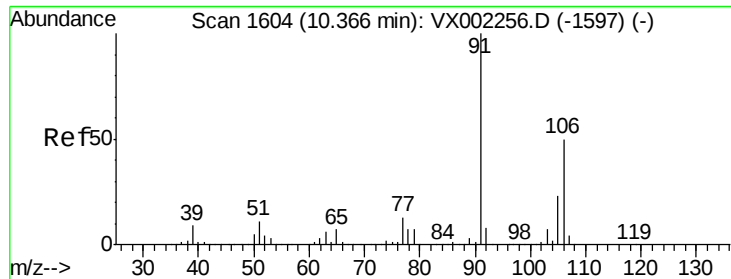
#65
Chlorobenzene
Concen: 0.63 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Tgt Ion:112 Resp: 4446
Ion Ratio Lower Upper
112 100
114 28.4 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

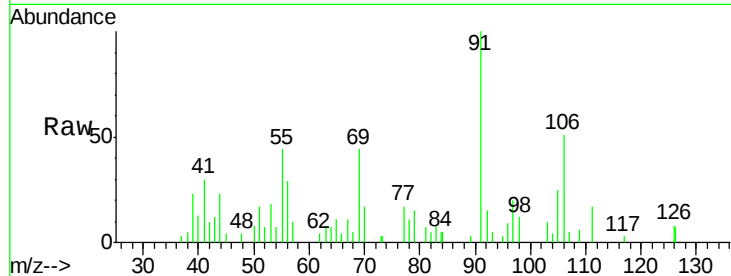




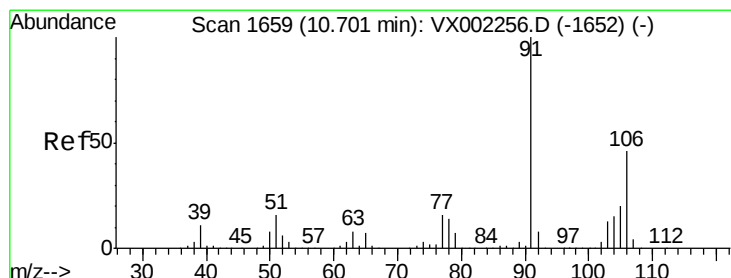
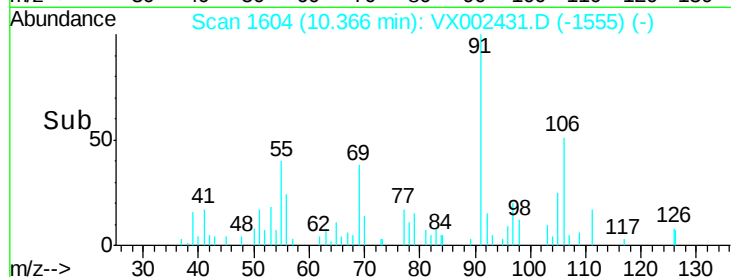
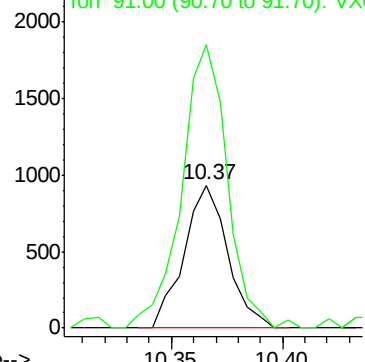
#68
m/p-Xylenes
Concen: 0.28 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 1282
Ion Ratio Lower Upper
106 100
91 206.9 163.4 245.2

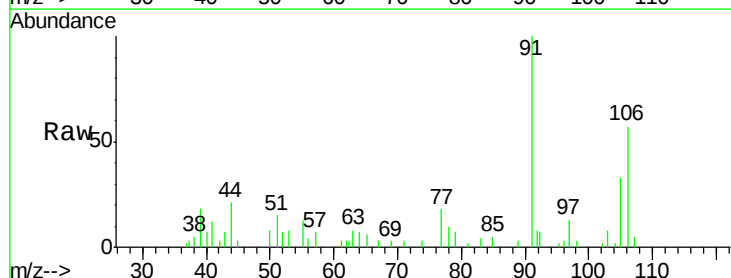


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

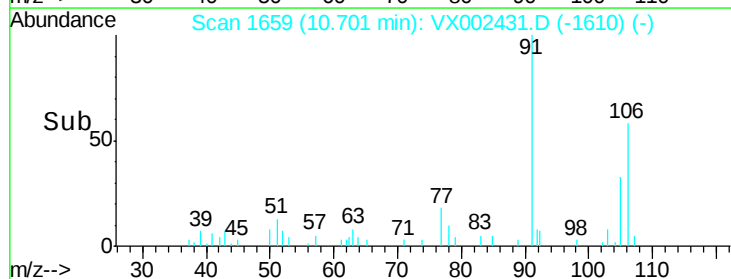
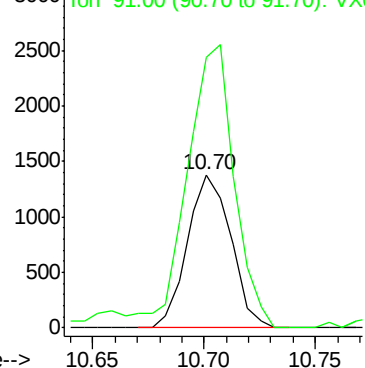


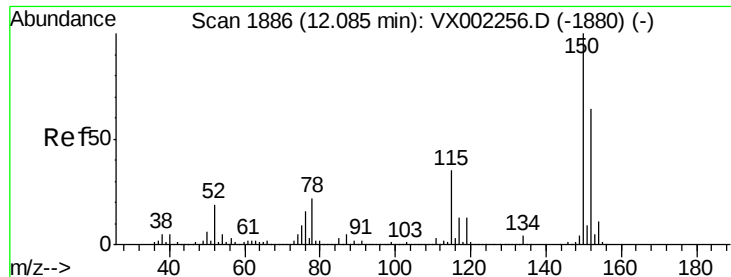
#69
o-Xylene
Concen: 0.41 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Tgt Ion:106 Resp: 1867
Ion Ratio Lower Upper
106 100
91 196.4 108.2 324.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :

MSVOA_X

ClientSampleId :

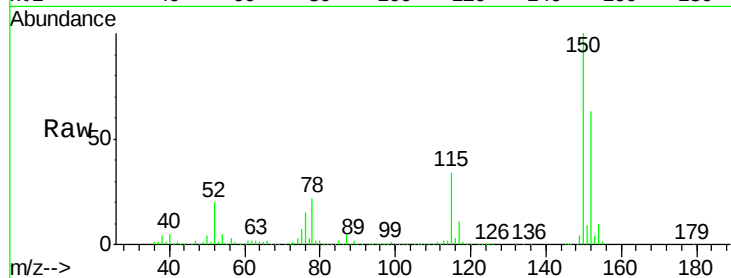
Tot Ion:152 Resp: 155764

Ion Ratio Lower Upper

152 100

115 54.4 40.1 120.2

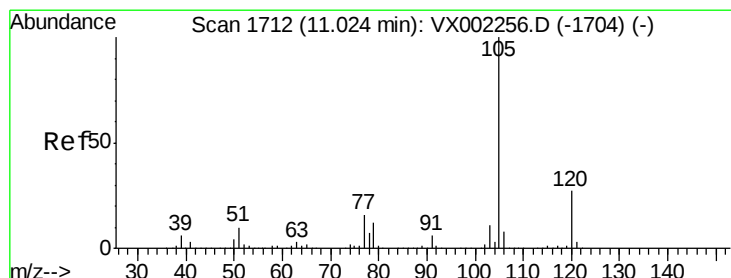
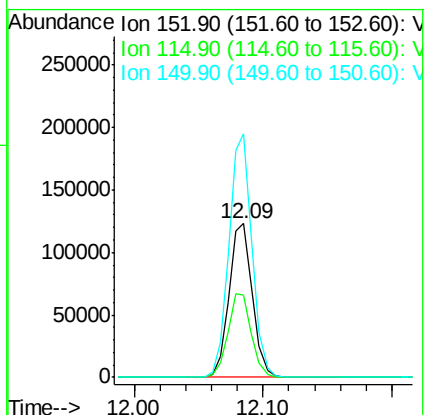
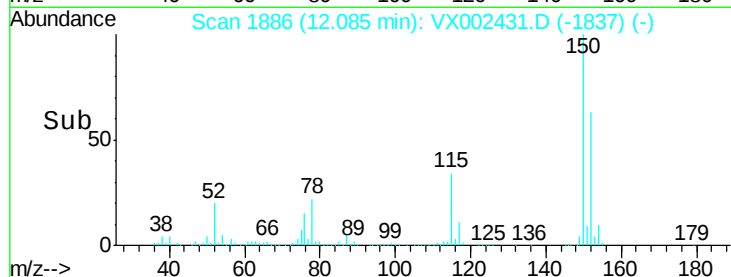
150 156.3 0.0 347.2



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: 9.11 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002431.D

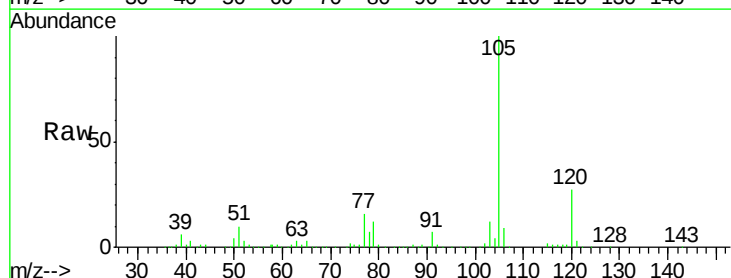
Acq: 09 Jun 2018 19:43

Tgt Ion:105 Resp: 98713

Ion Ratio Lower Upper

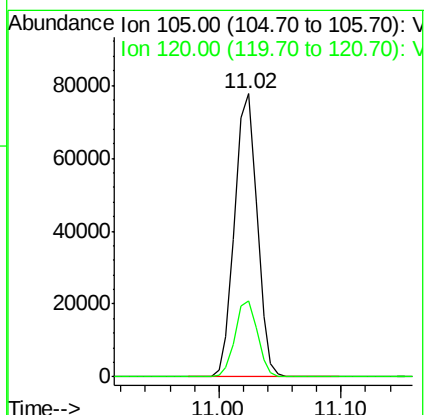
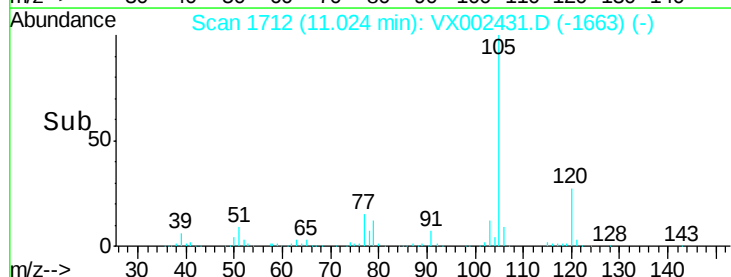
105 100

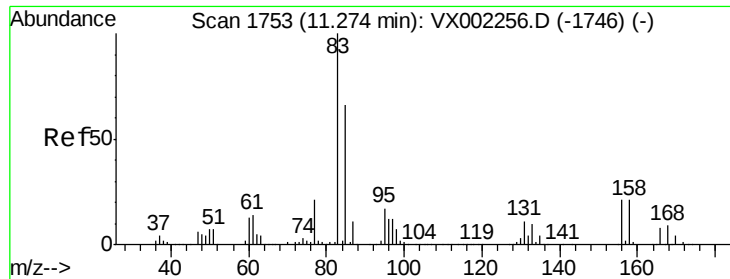
120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.20 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :

MSVOA_X

ClientSampleId :

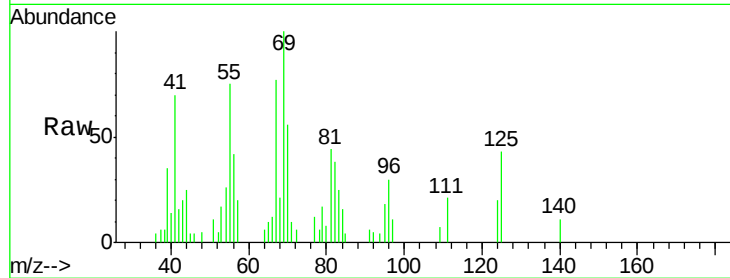
Tot Ion: 83 Resp: 682

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

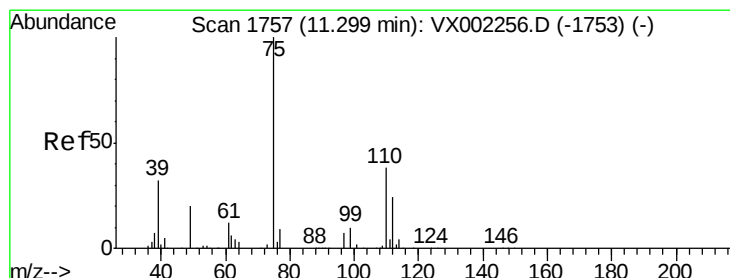
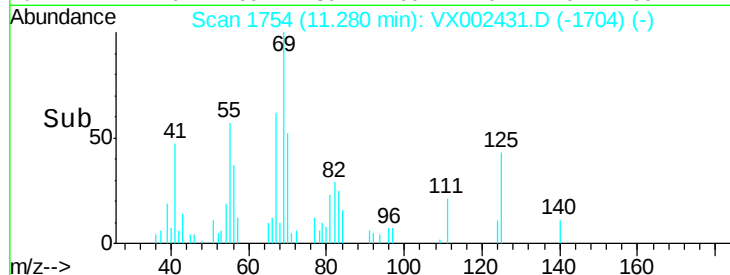
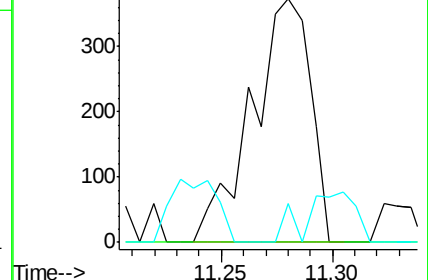
85 0.0 32.4 97.2#



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: 24.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002431.D

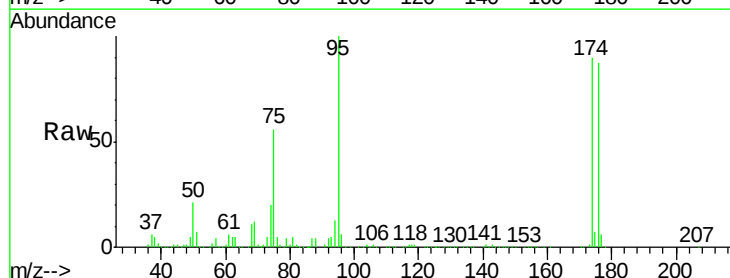
Acq: 09 Jun 2018 19:43

Tgt Ion: 75 Resp: 84512

Ion Ratio Lower Upper

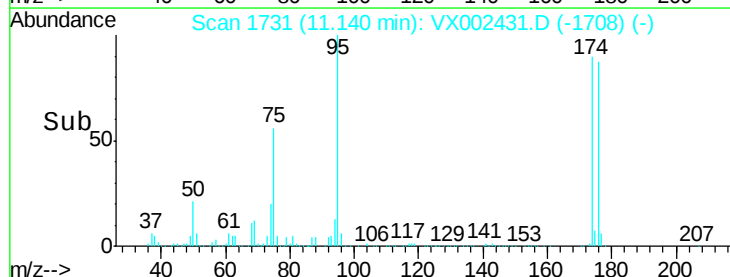
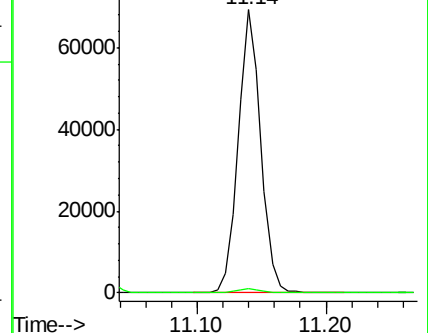
75 100

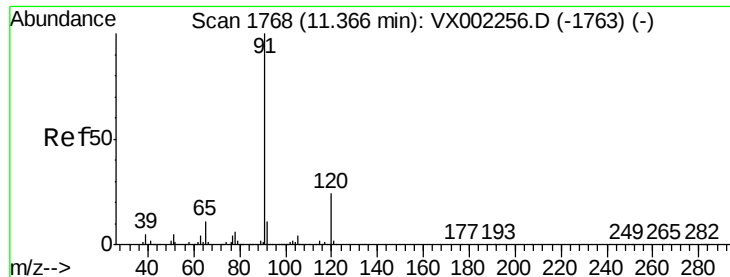
77 1.6 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 2.34 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :

MSVOA_X

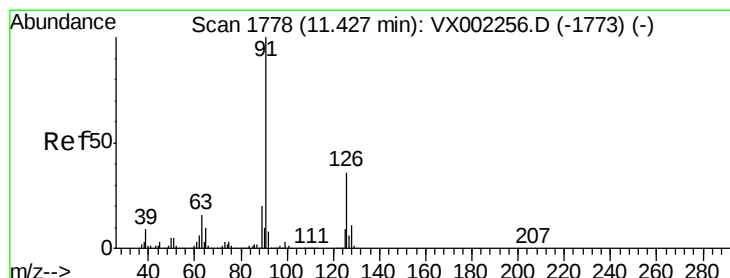
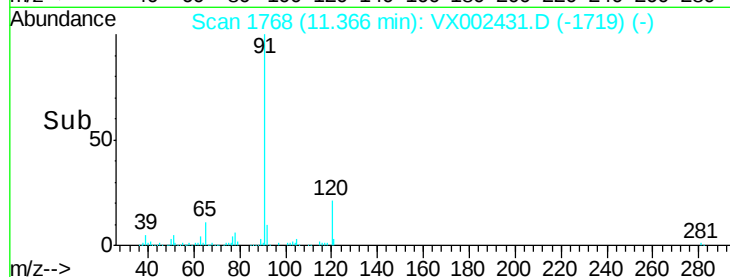
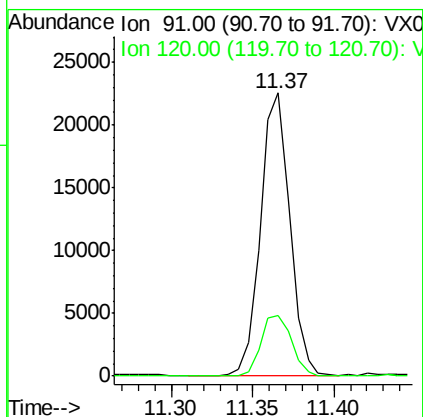
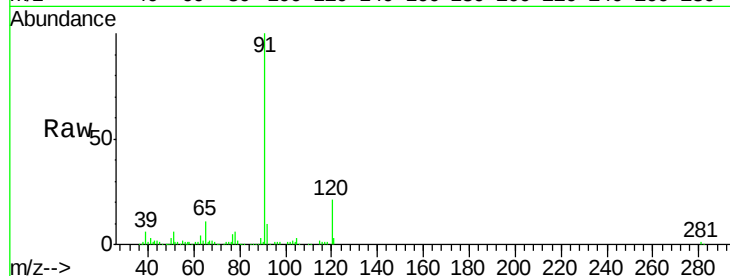
ClientSampled :

Tot Ion: 91 Resp: 28131

Ion Ratio Lower Upper

91 100

120 22.4 11.8 35.4



#79

2-Chlorotoluene

Concen: 3.70 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.06 min

Lab File: VX002431.D

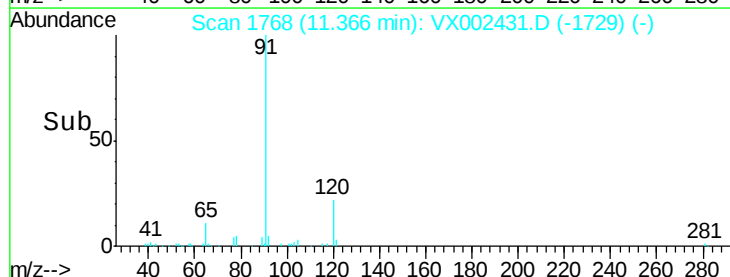
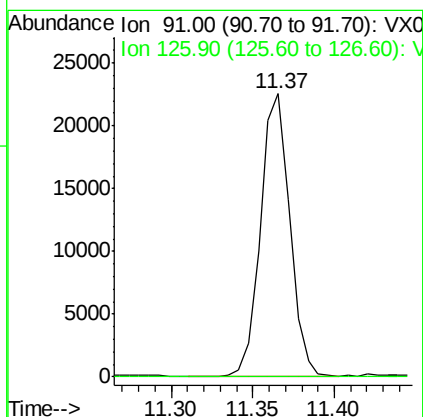
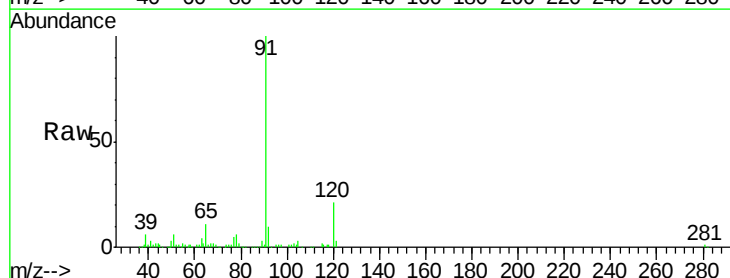
Acq: 09 Jun 2018 19:43

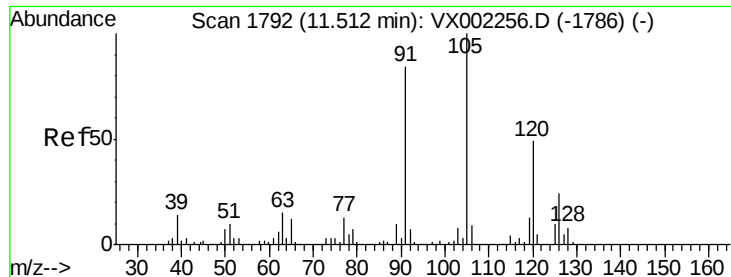
Tgt Ion: 91 Resp: 28131

Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#

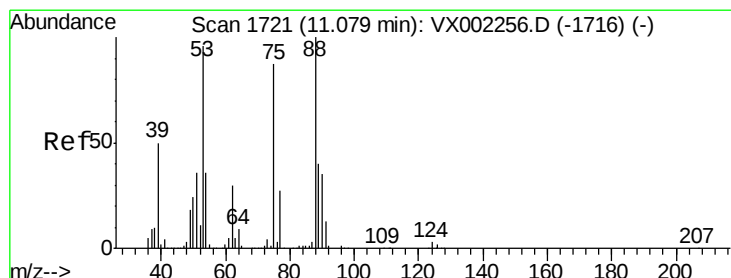
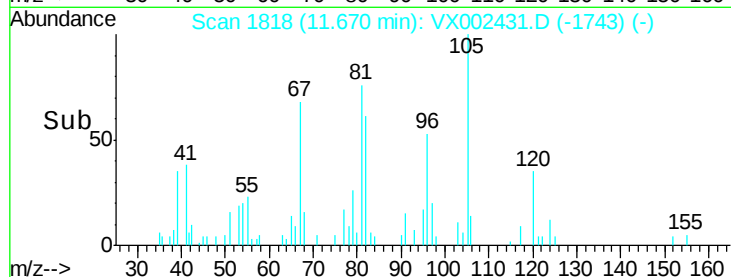
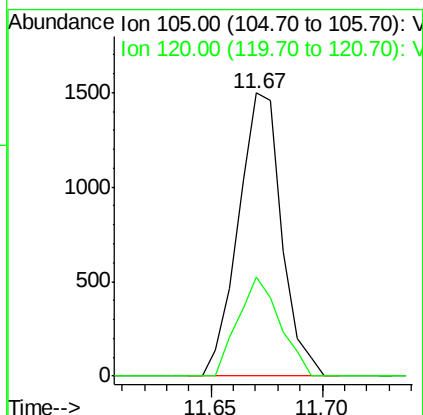
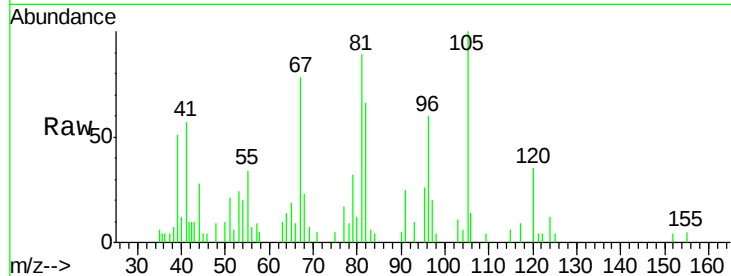




#80
 1,3,5-Trimethylbenzene
 Concen: 0.22 ug/l
 RT: 11.67 min Scan# 1818
 Delta R.T. 0.16 min
 Lab File: VX002431.D
 Acq: 09 Jun 2018 19:43

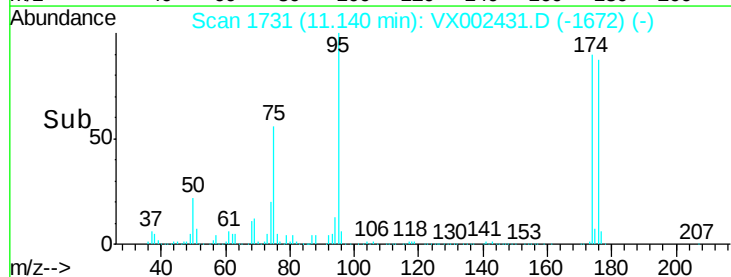
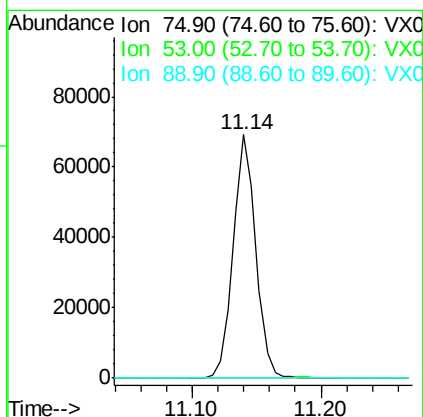
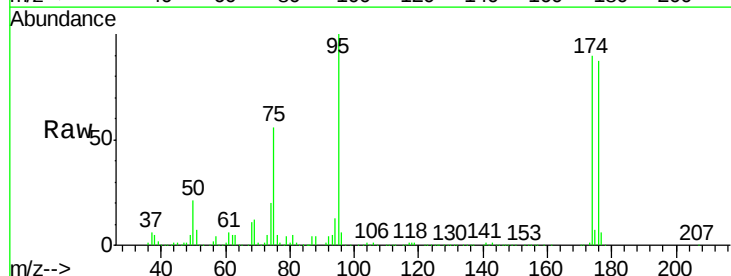
Instrument :
 MSVOA_X
 ClientSampled :

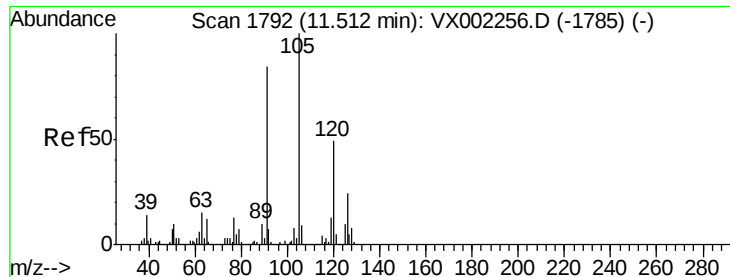
Tot Ion:105 Resp: 2034
 Ion Ratio Lower Upper
 105 100
 120 33.7 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.68 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002431.D
 Acq: 09 Jun 2018 19:43

Tgt Ion: 75 Resp: 84512
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

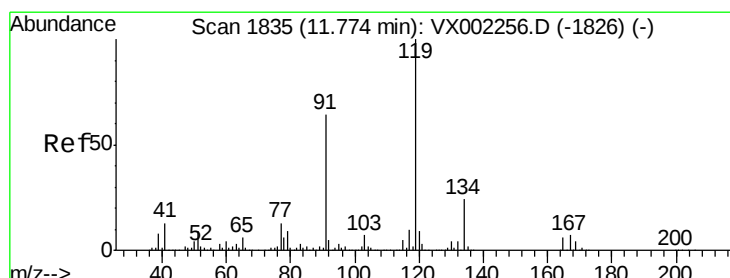
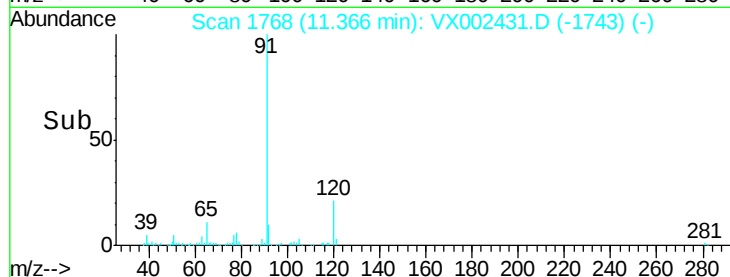
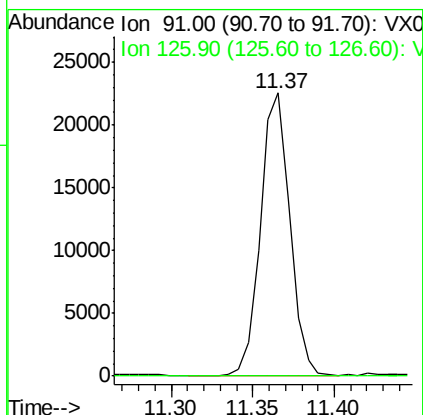
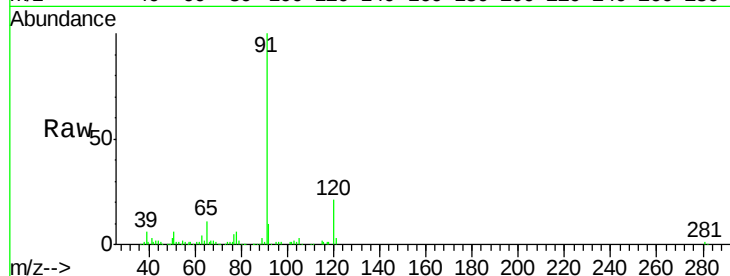




#82
4-Chlorotoluene
Concen: 3.20 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.15 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

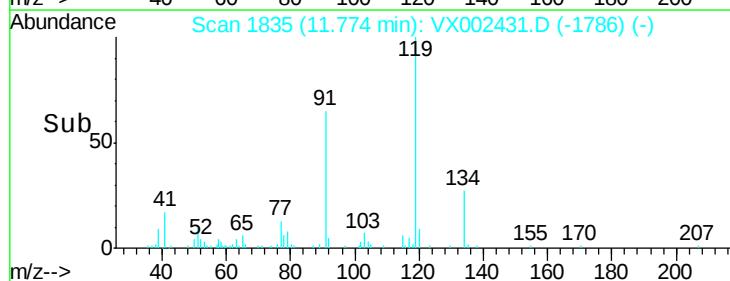
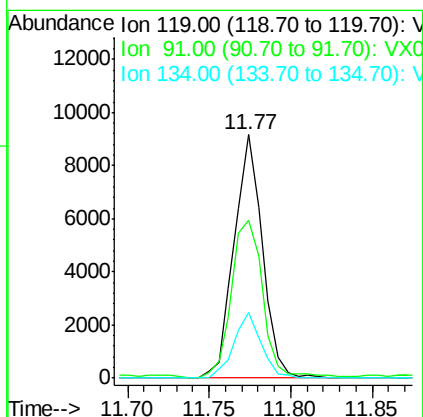
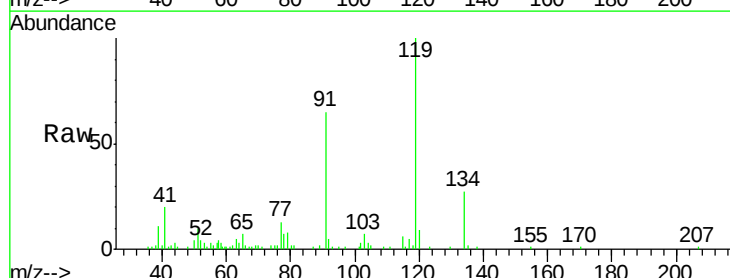
Instrument :
MSVOA_X
ClientSampled :

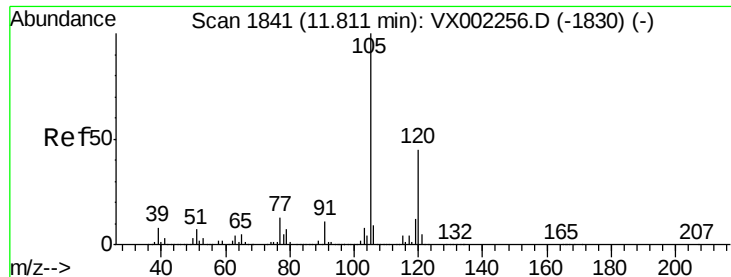
Tot Ion: 91 Resp: 28131
Ion Ratio Lower Upper
91 100
126 0.0 15.4 46.4#



#83
tert-Butylbenzene
Concen: 1.22 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Tgt Ion: 119 Resp: 11063
Ion Ratio Lower Upper
119 100
91 72.5 30.3 90.9
134 25.6 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 9.28 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.14 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :

MSVOA_X

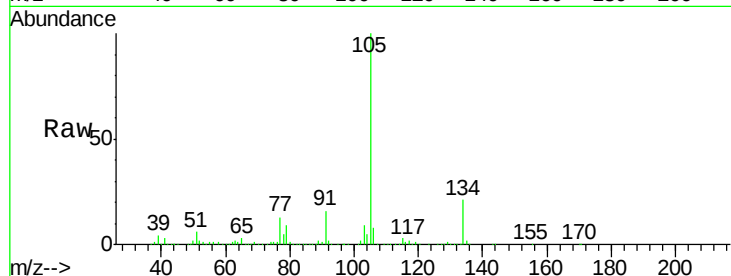
ClientSampleId :

Tot Ion:105 Resp: 88760

Ion Ratio Lower Upper

105 100

120 0.2 22.3 66.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.95

80000

60000

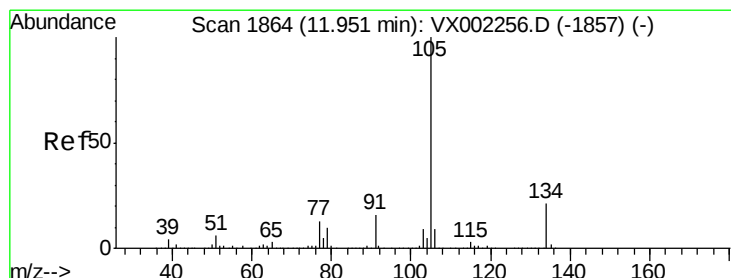
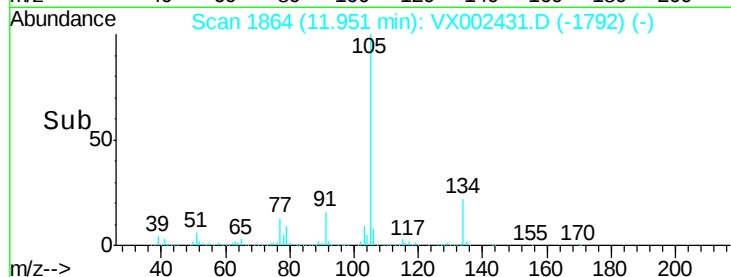
40000

20000

0

Time-->

11.90 12.00



#85

sec-Butylbenzene

Concen: 8.37 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002431.D

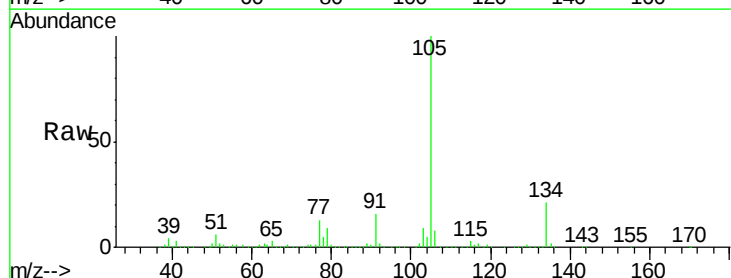
Acq: 09 Jun 2018 19:43

Tgt Ion:105 Resp: 88760

Ion Ratio Lower Upper

105 100

134 27.5 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

80000

60000

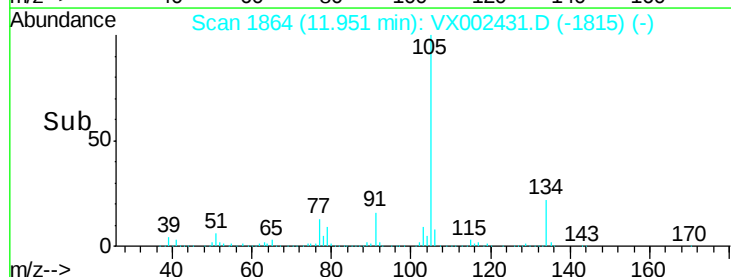
40000

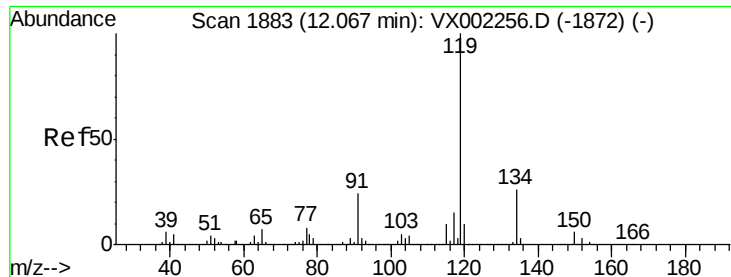
20000

0

Time-->

11.90 12.00

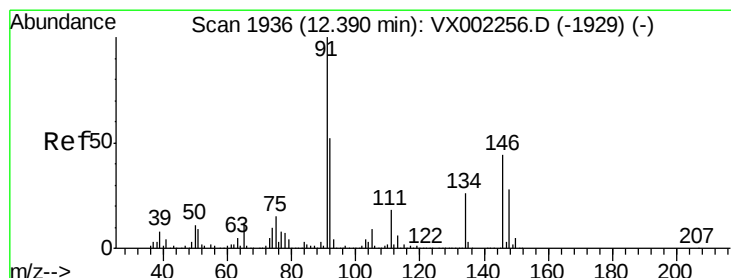
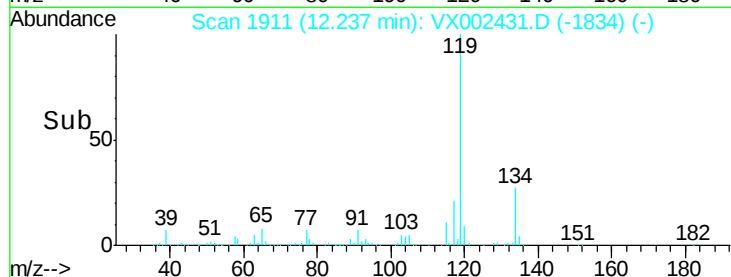
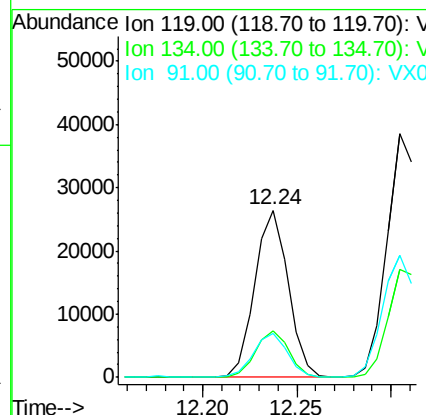
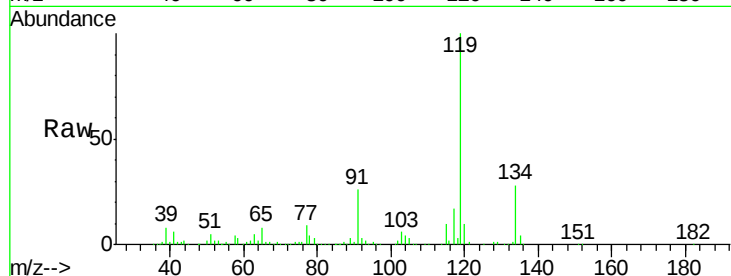




#86
 p-Isopropyltoluene
 Concen: 3.37 ug/l
 RT: 12.24 min Scan# 1911
 Delta R.T. 0.17 min
 Lab File: VX002431.D
 Acq: 09 Jun 2018 19:43

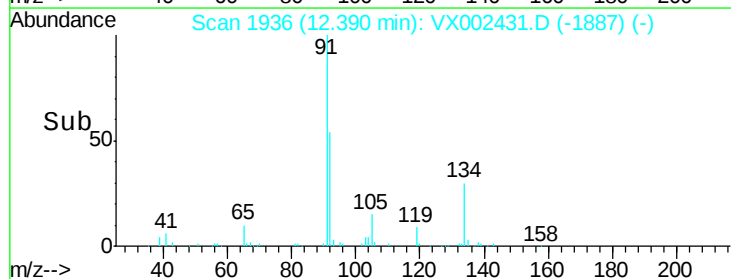
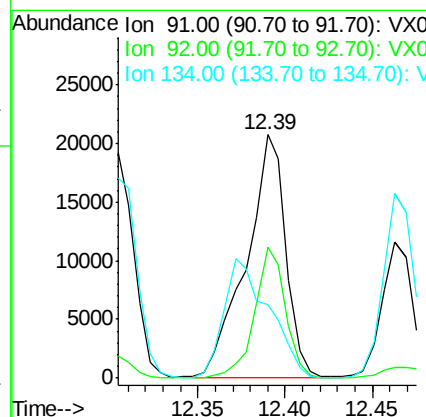
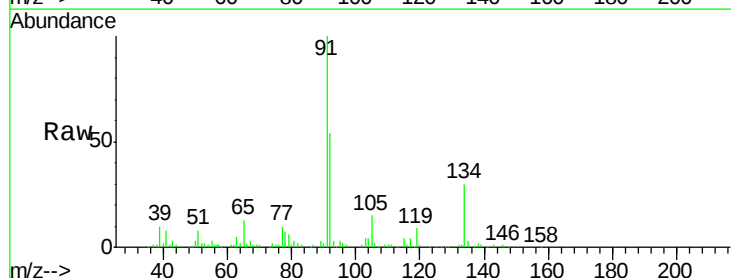
Instrument :
 MSVOA_X
 ClientSampleId :

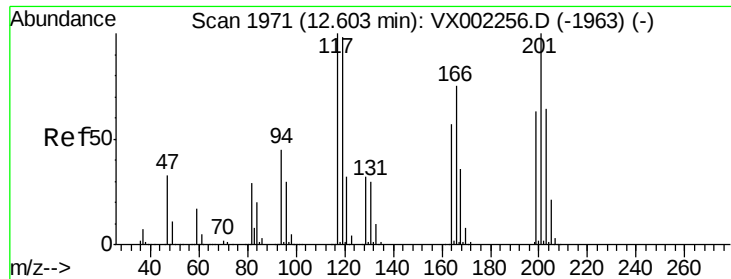
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.9	13.4	40.1
91	26.3	11.9	35.7



#89
 n-Butylbenzene
 Concen: 3.98 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX002431.D
 Acq: 09 Jun 2018 19:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	42.3	26.0	78.0
134	56.6	13.5	40.5





#90

Hexachloroethane

Concen: 13.15 ug/l

RT: 12.67 min Scan# 1982

Delta R.T. 0.07 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

Instrument :

MSVOA_X

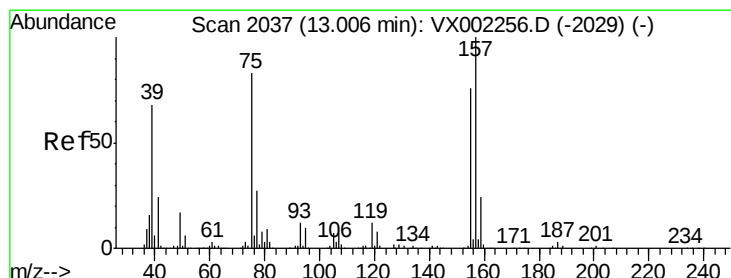
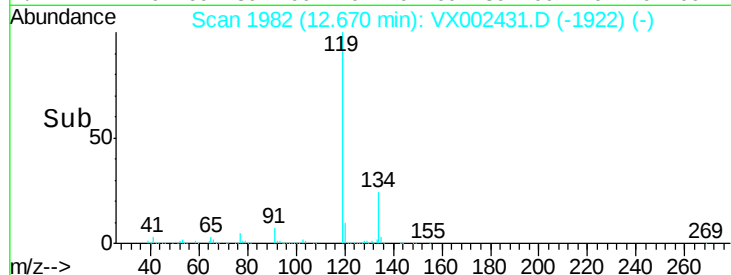
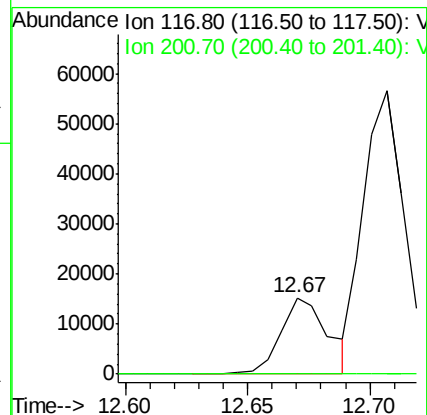
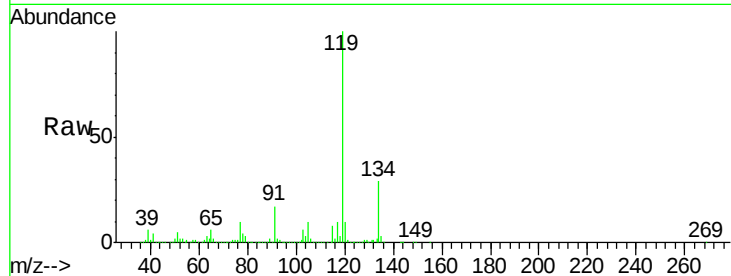
ClientSampleId :

Tot Ion:117 Resp: 20293

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.41 ug/l

RT: 12.98 min Scan# 2033

Delta R.T. -0.02 min

Lab File: VX002431.D

Acq: 09 Jun 2018 19:43

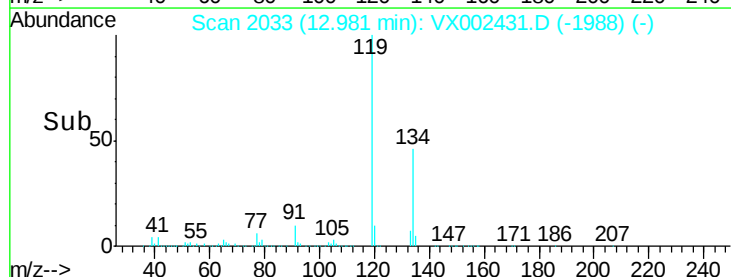
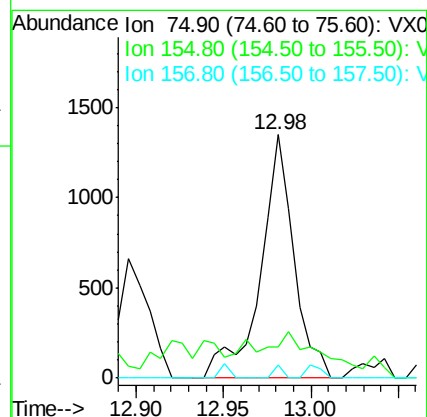
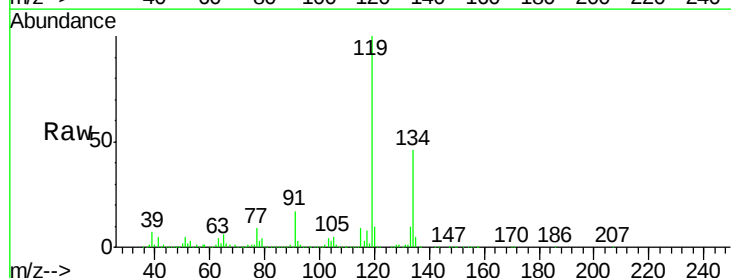
Tgt Ion: 75 Resp: 1793

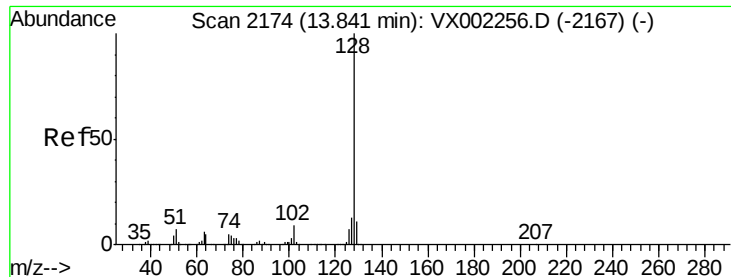
Ion Ratio Lower Upper

75 100

155 14.4 45.8 137.4#

157 1.5 60.1 180.3#





#95
Naphthalene
Concen: 0.20 ug/l
RT: 13.86 min Scan# 2177
Delta R.T. 0.02 min
Lab File: VX002431.D
Acq: 09 Jun 2018 19:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 2304
Ion Ratio Lower Upper
128 100
127 47.2 10.4 15.6#
129 62.9 8.6 13.0#

