

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061218\
 Data File : VX002473.D
 Acq On : 12 Jun 2018 18:11
 Operator : JC/MD
 Sample : J3404-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 01:27:07 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	198771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	296468	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	279017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	152738	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	158862	56.33	ug/l	0.00
Spiked Amount			Recovery	=	112.66%	
35) Dibromofluoromethane	5.51	113	117696	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	8.72	98	461180	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	11.14	95	159396	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	

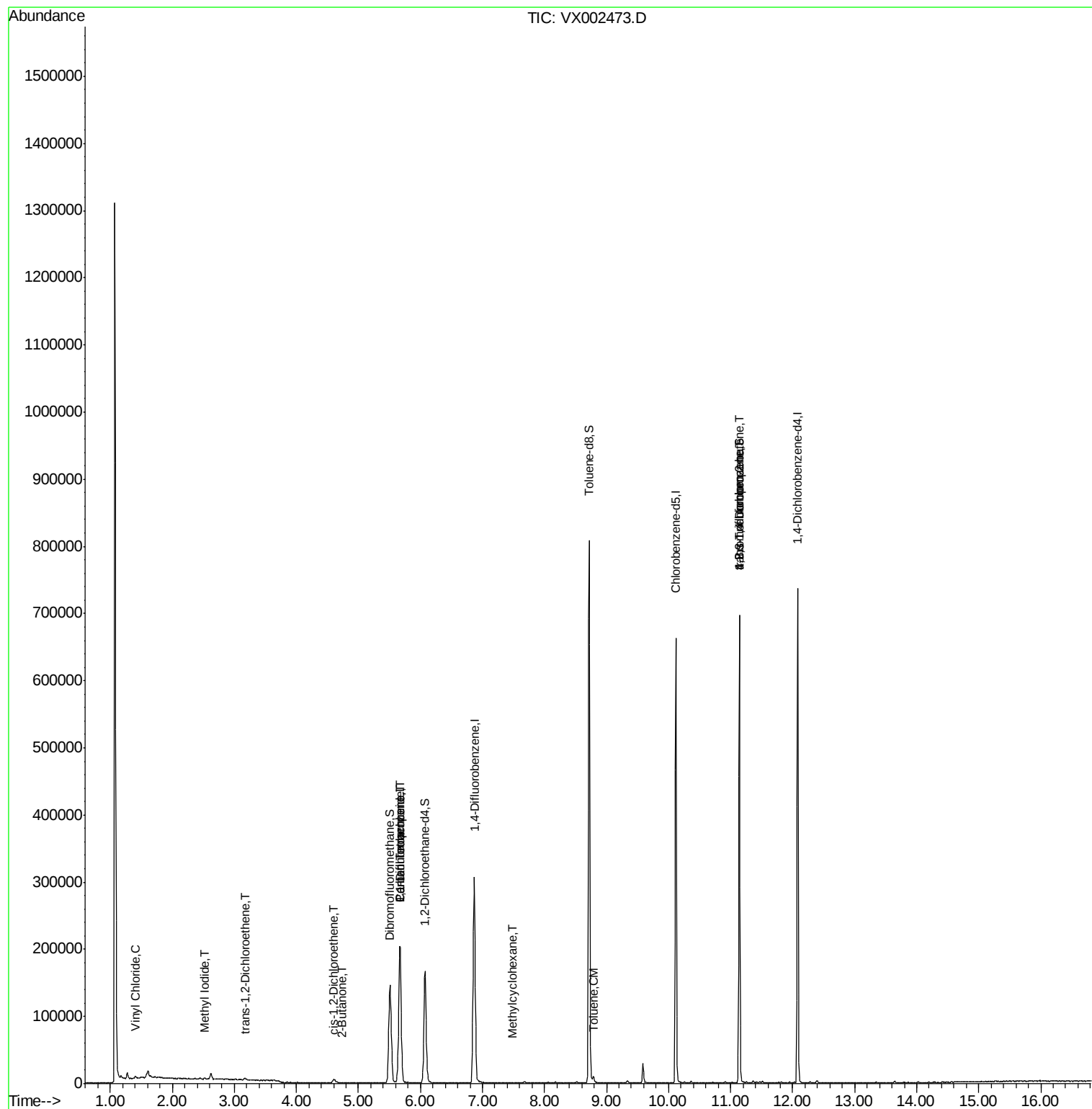
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	469	Below Cal	#	73
4) Vinyl Chloride	1.40	62	1517	0.58	ug/l	# 61
5) Bromomethane	1.65	94	498	Below Cal		99
8) Diethyl Ether	2.18	74	23	Below Cal	#	1
10) Methyl Iodide	2.52	142	1850	0.61	ug/l	# 88
11) Tert butyl alcohol	3.07	59	678	Below Cal	#	62
13) Acrolein	2.29	56	278	Below Cal	#	14
15) Acrylonitrile	3.16	53	108	Below Cal	#	20
16) Acetone	2.45	43	2024	Below Cal	#	80
18) Methyl Acetate	2.79	43	993	Below Cal	#	84
19) Methyl tert-butyl Ether	3.21	73	119	Below Cal	#	71
20) Methylene Chloride	2.87	84	398	Below Cal	#	78
21) trans-1,2-Dichloroethene	3.16	96	974	0.42	ug/l	# 82
22) Diisopropyl ether	3.87	45	211	Below Cal	#	35
25) 2-Butanone	4.73	43	764	0.39	ug/l	# 52
27) cis-1,2-Dichloroethene	4.60	96	2112	0.83	ug/l	# 7
28) Bromochloromethane	5.09	49	60	Below Cal	#	13
36) 1,1-Dichloropropene	5.67	75	14385	4.62	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	19223	5.90	ug/l	# 16
39) Methylcyclohexane	7.48	83	307	0.34	ug/l	# 70
52) Toluene	8.79	92	2646	0.44	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	86397	25.78	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	86397	90.36	ug/l	# 7

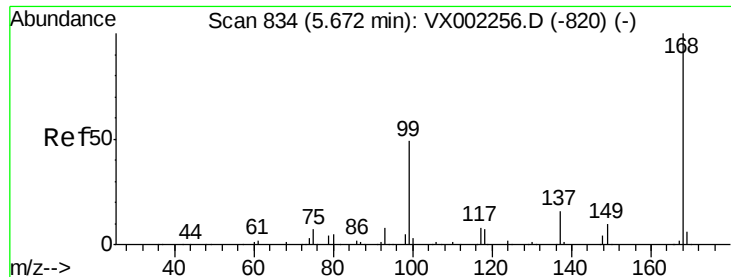
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061218\
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Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002473.D

Acq: 12 Jun 2018 18:11

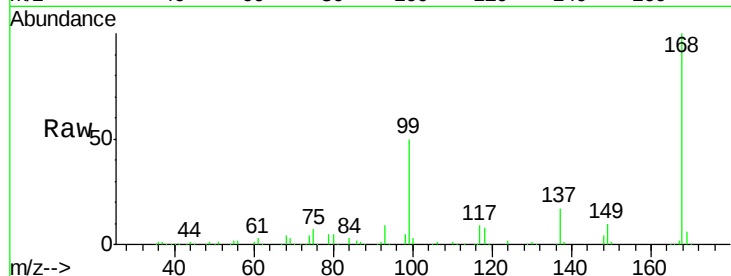
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 198771

Ion Ratio Lower Upper

168 100

99 50.4 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

60000

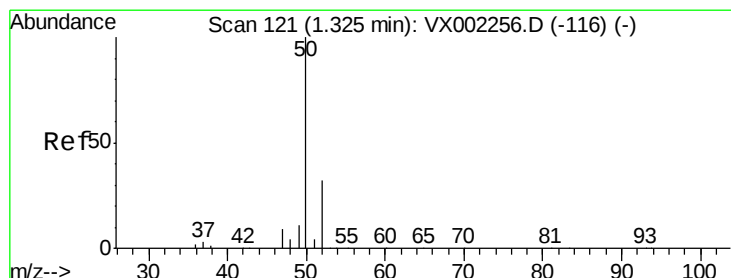
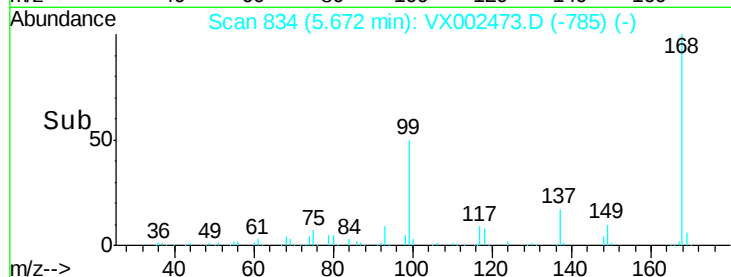
40000

20000

0

5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002473.D

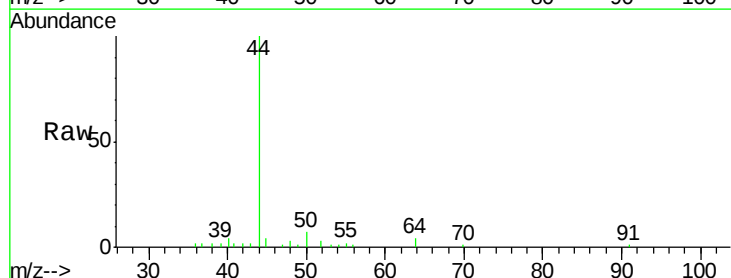
Acq: 12 Jun 2018 18:11

Tgt Ion: 50 Resp: 469

Ion Ratio Lower Upper

50 100

52 47.0 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

300

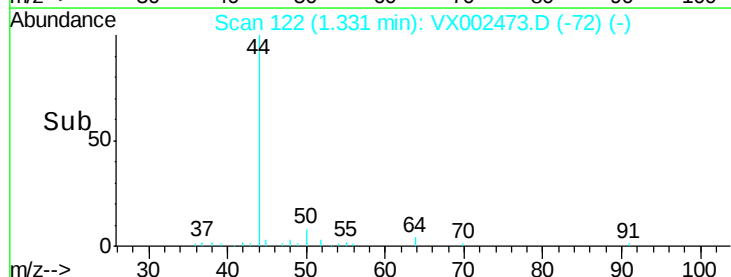
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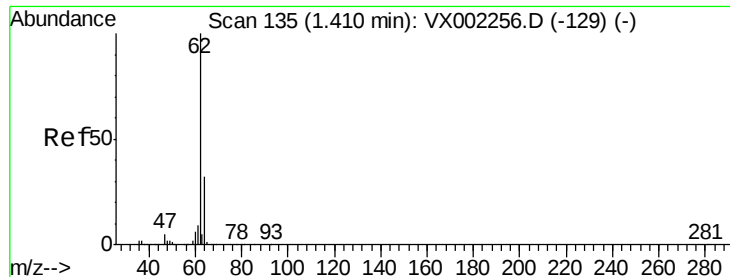
100

0

1.30 1.35 1.40

Time-->





#4

Vinyl Chloride

Concen: 0.58 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002473.D

Acq: 12 Jun 2018 18:11

Instrument :

MSVOA_X

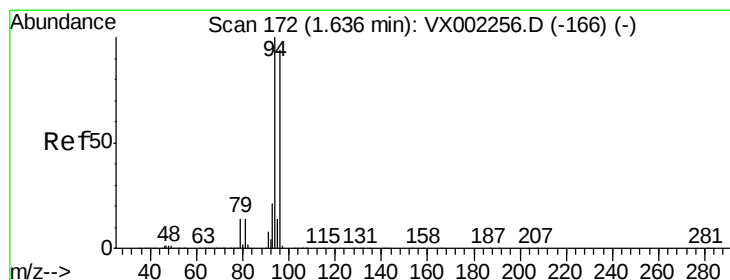
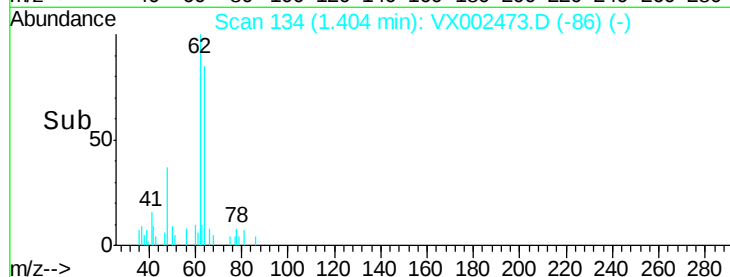
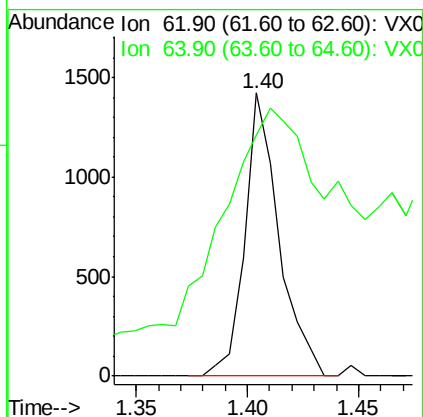
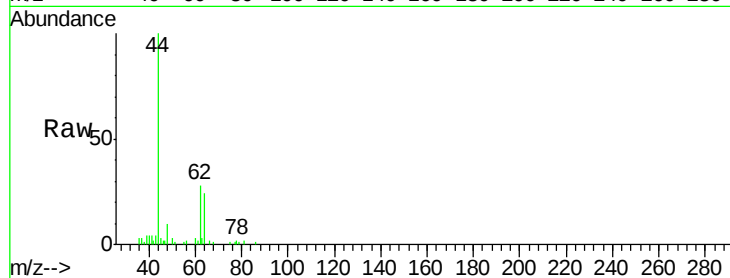
ClientSampleId :

Tot Ion: 62 Resp: 1517

Ion Ratio Lower Upper

62 100

64 53.4 25.4 38.2#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002473.D

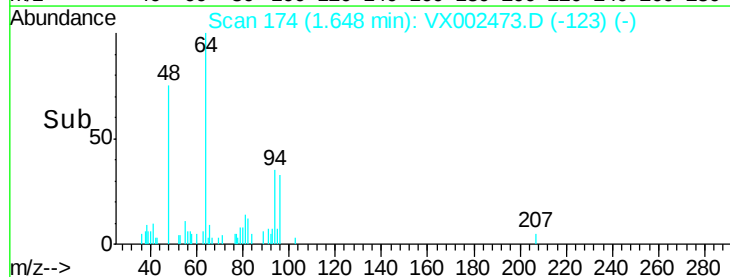
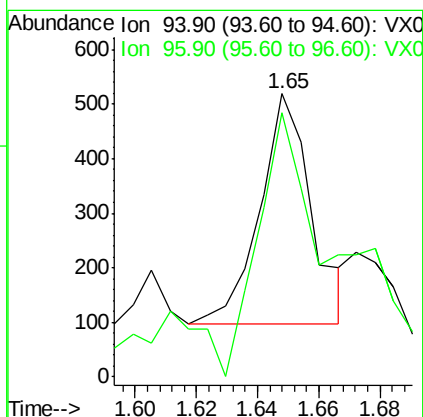
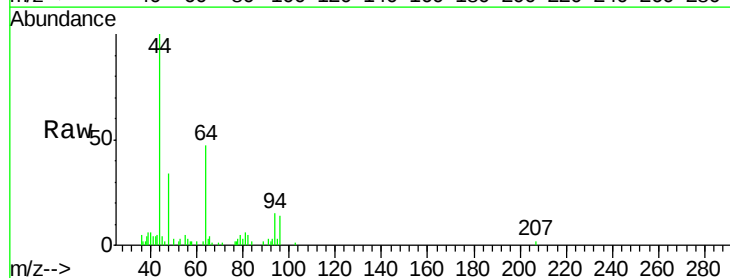
Acq: 12 Jun 2018 18:11

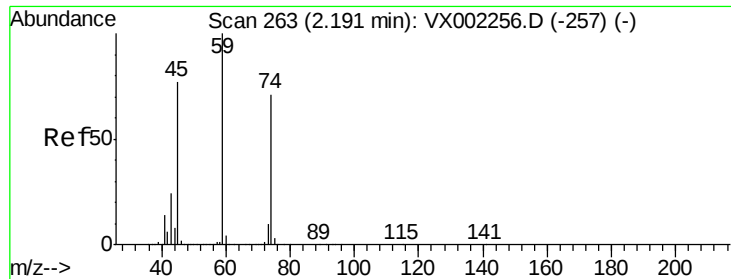
Tgt Ion: 94 Resp: 498

Ion Ratio Lower Upper

94 100

96 94.1 74.9 112.3





#8

Diethyl Ether

Concen: Below Cal

RT: 2.18 min Scan# 262

Delta R.T. -0.01 min

Lab File: VX002473.D

Acq: 12 Jun 2018 18:11

Instrument :

MSVOA_X

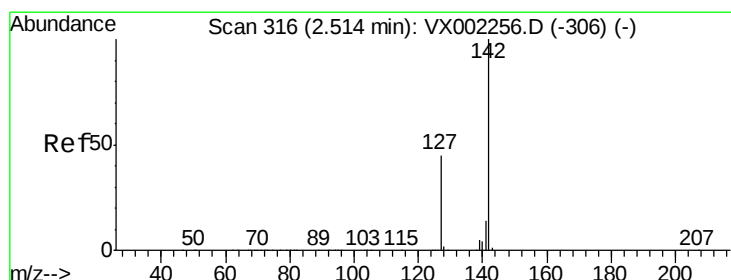
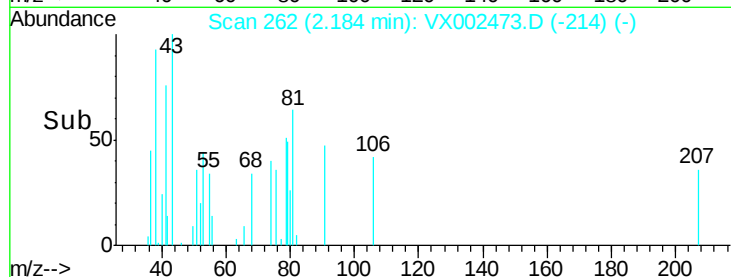
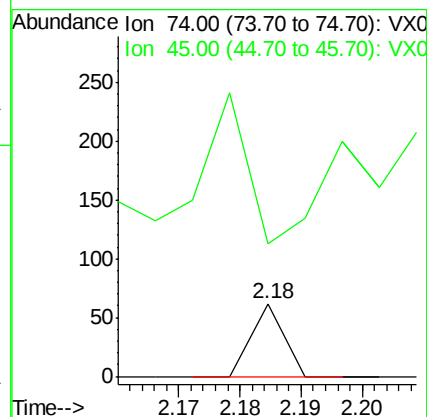
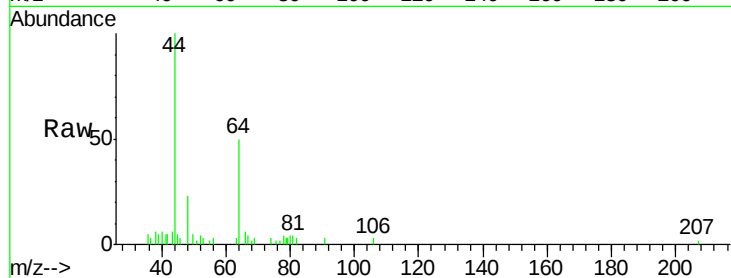
ClientSampleId :

Tot Ion: 74 Resp: 23

Ion Ratio Lower Upper

74 100

45 408.7 53.1 159.4#



#10

Methyl Iodide

Concen: 0.61 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002473.D

Acq: 12 Jun 2018 18:11

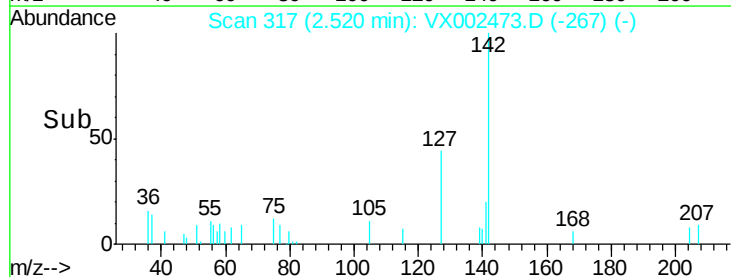
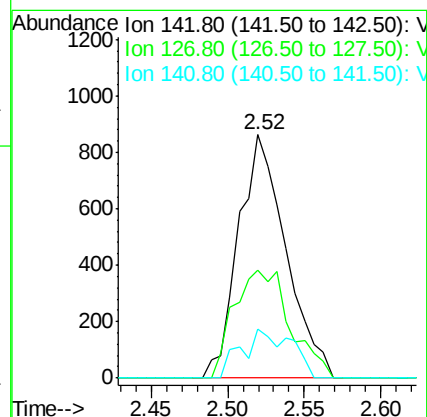
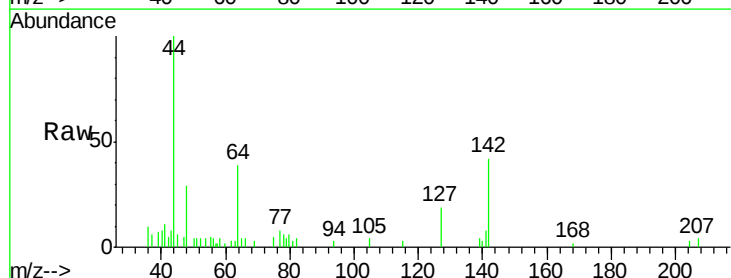
Tgt Ion: 142 Resp: 1850

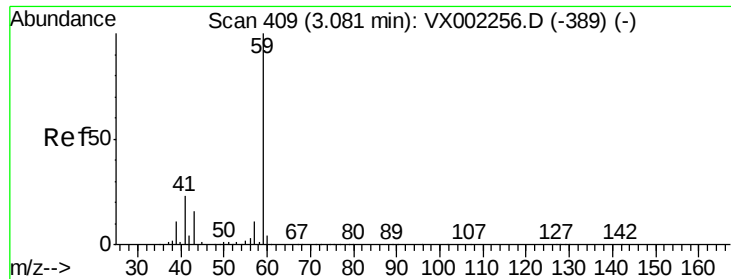
Ion Ratio Lower Upper

142 100

127 52.8 36.6 55.0

141 20.6 11.3 16.9#

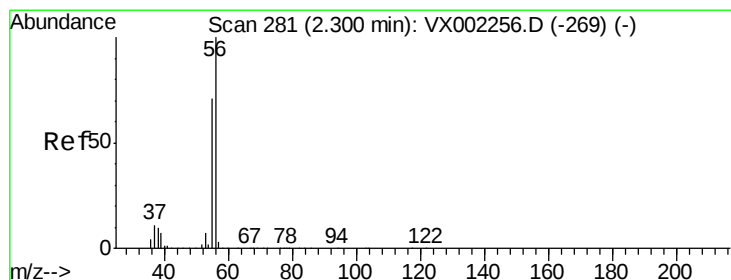
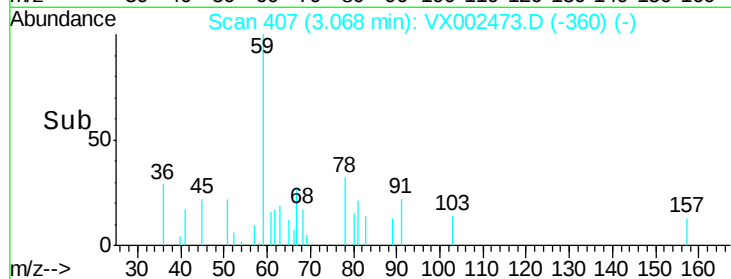
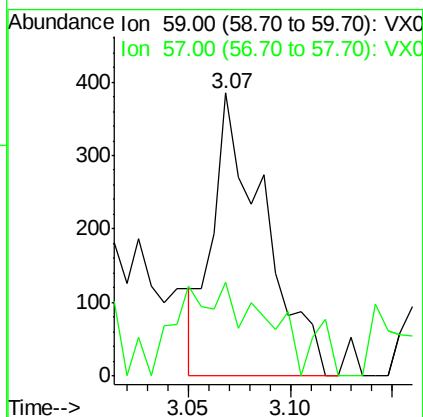
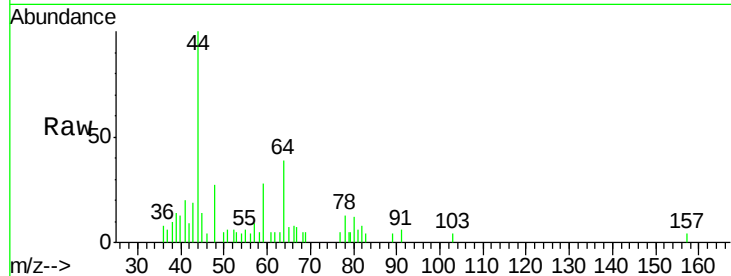




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002473.D
Acq: 12 Jun 2018 18:11

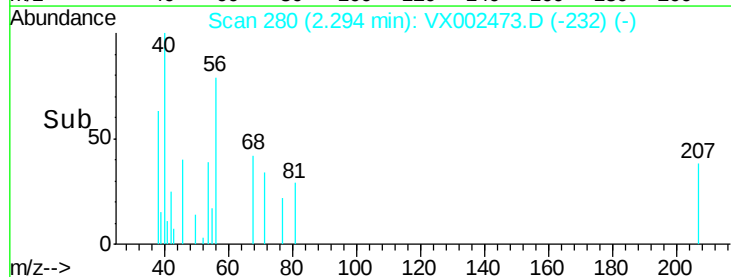
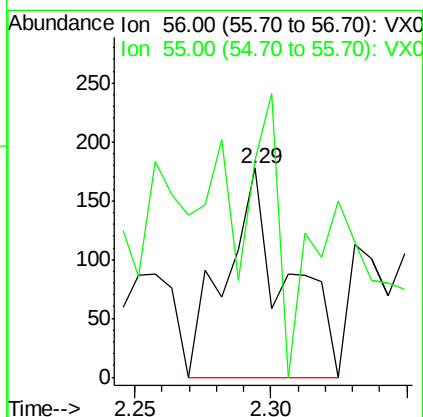
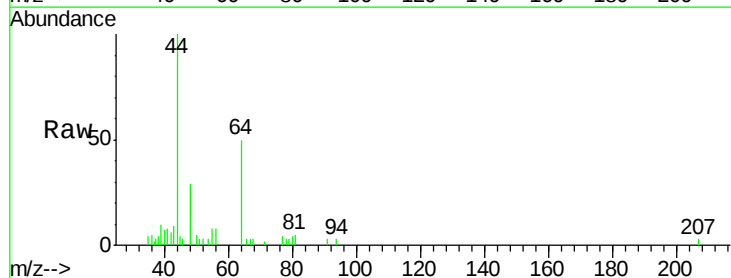
Instrument :
MSVOA_X
ClientSampled :

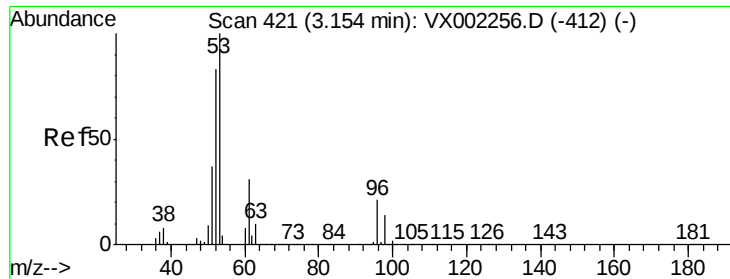
Tot Ion: 59 Resp: 678
Ion Ratio Lower Upper
59 100
57 24.2 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX002473.D
Acq: 12 Jun 2018 18:11

Tgt Ion: 56 Resp: 278
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#15

Acrylonitrile

Concen: Below Cal

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002473.D

Acq: 12 Jun 2018 18:11

Instrument :
MSVOA_X
ClientSampled :

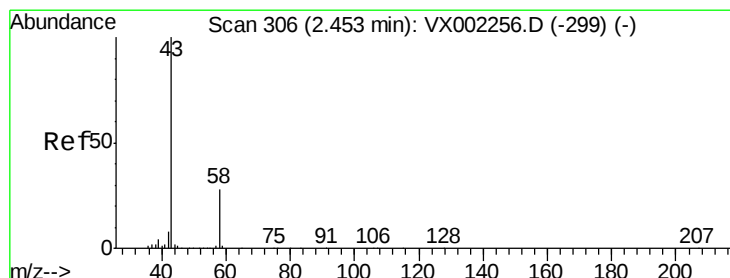
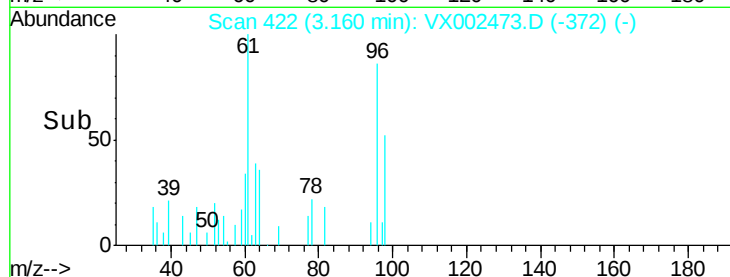
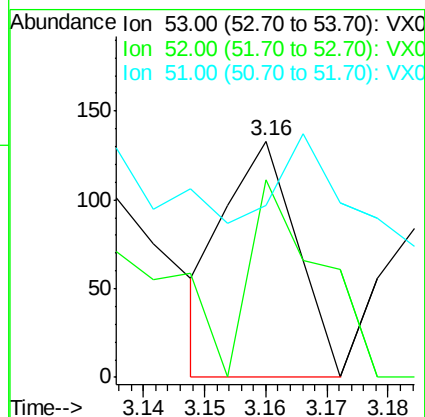
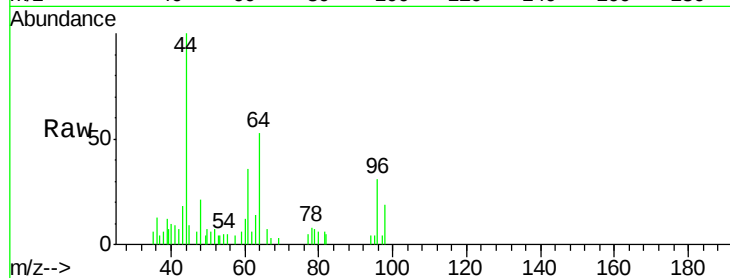
Tot Ion: 53 Resp: 108

Ion Ratio Lower Upper

53 100

52 80.6 66.7 100.1

51 188.0 29.9 44.9#



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002473.D

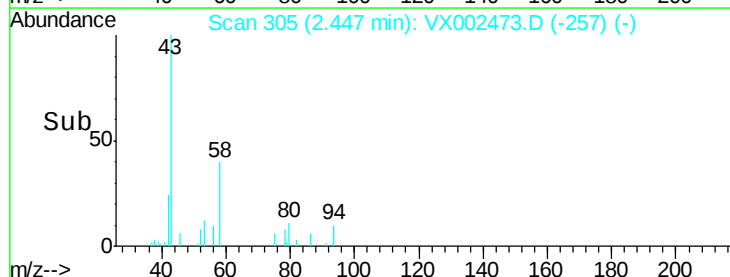
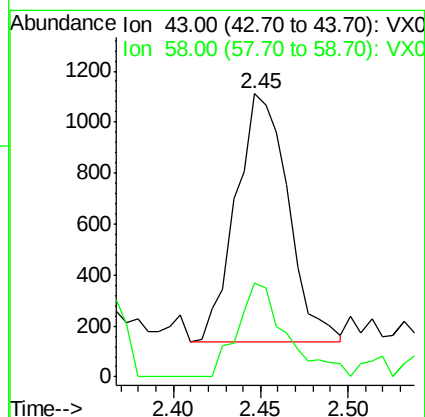
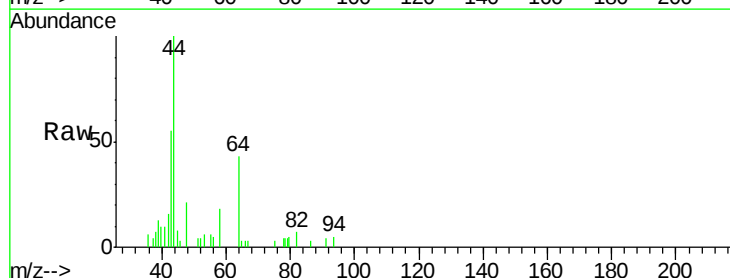
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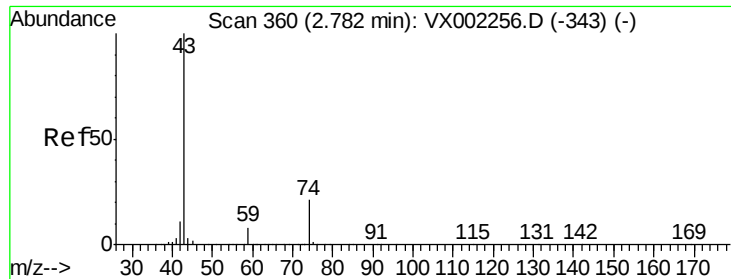
Tgt Ion: 43 Resp: 2024

Ion Ratio Lower Upper

43 100

58 37.8 22.1 33.1#





#18

Methyl Acetate

Concen: Below Cal

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX002473.D

Acq: 12 Jun 2018 18:11

Instrument :

MSVOA_X

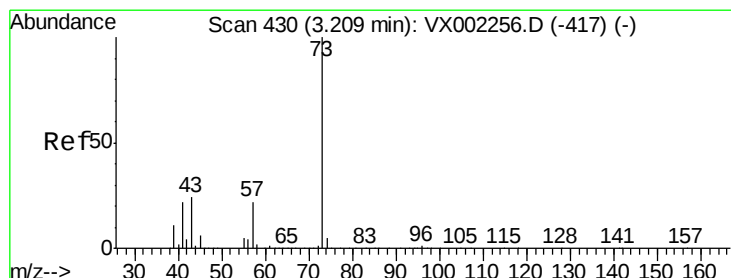
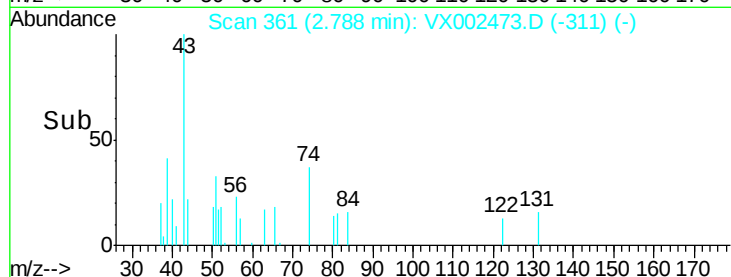
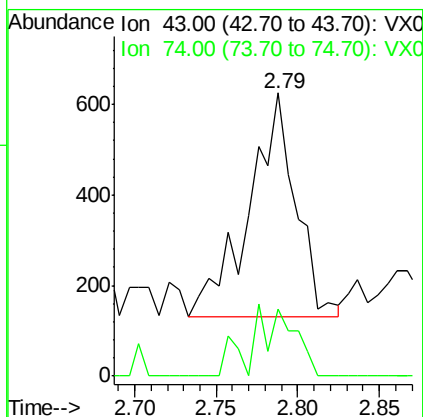
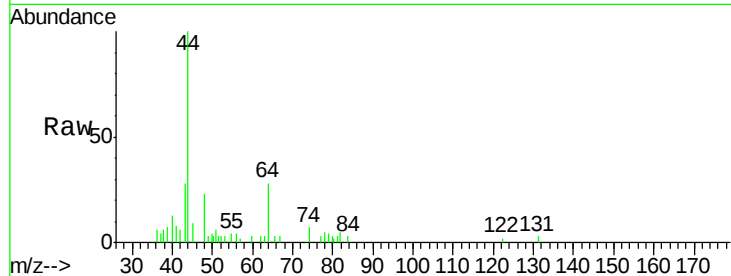
ClientSampled :

Tot Ion: 43 Resp: 993

Ion Ratio Lower Upper

43 100

74 28.3 16.7 25.1#



#19

Methyl tert-butyl Ether

Concen: Below Cal

RT: 3.21 min Scan# 431

Delta R.T. 0.01 min

Lab File: VX002473.D

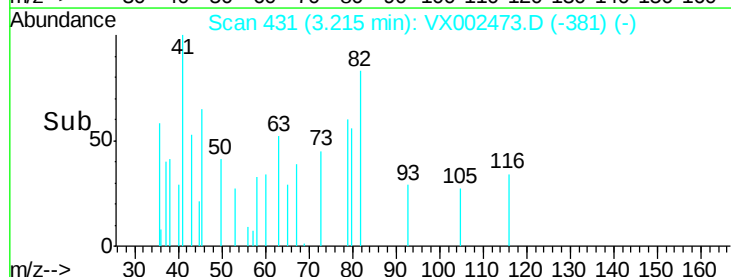
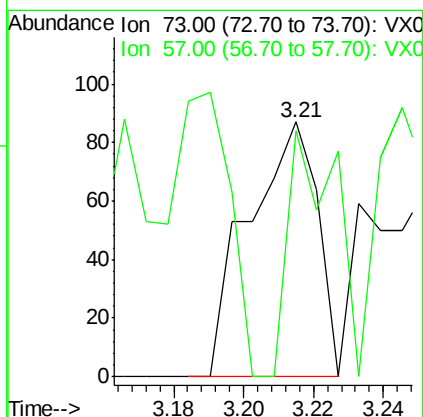
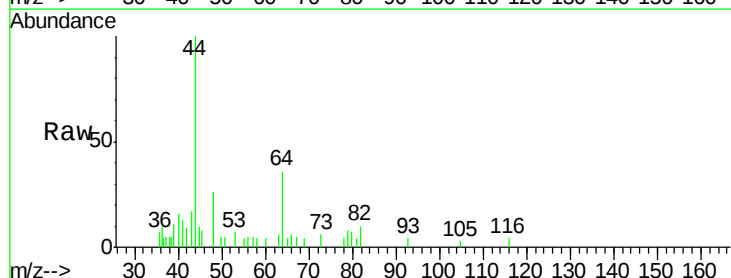
Acq: 12 Jun 2018 18:11

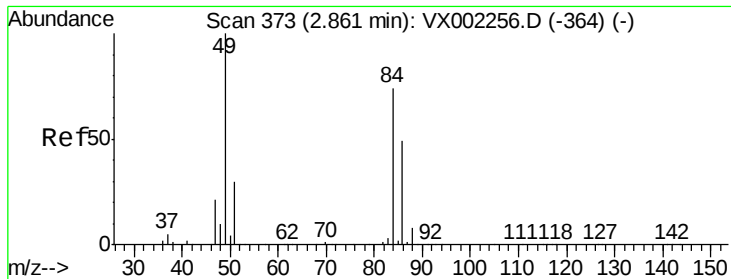
Tgt Ion: 73 Resp: 119

Ion Ratio Lower Upper

73 100

57 8.0 17.7 26.5#

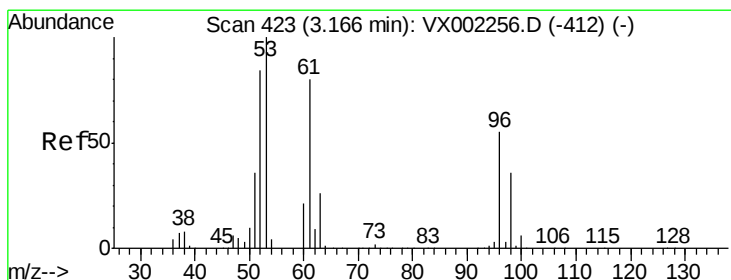
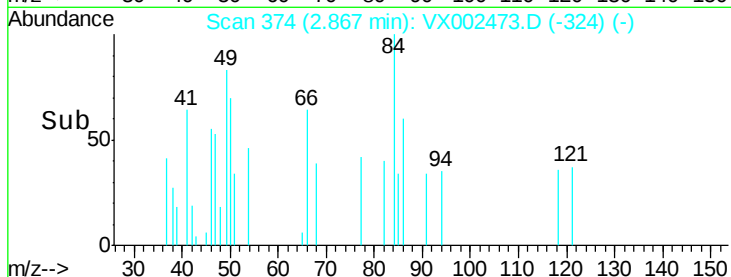
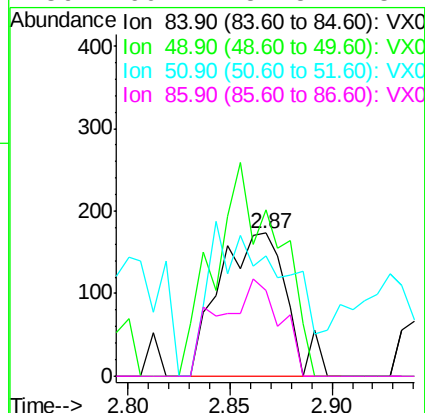
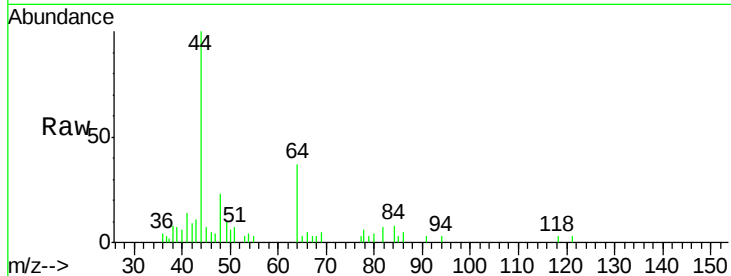




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX002473.D
Acq: 12 Jun 2018 18:11

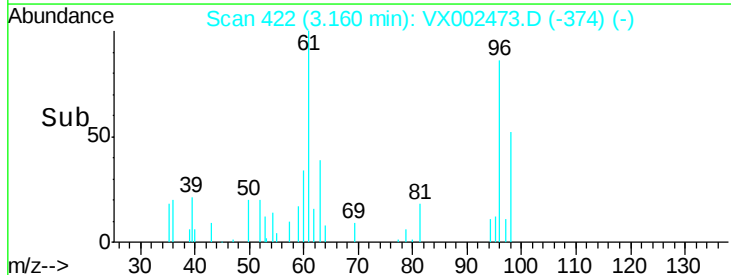
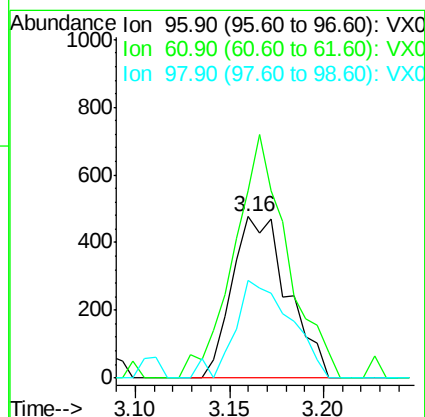
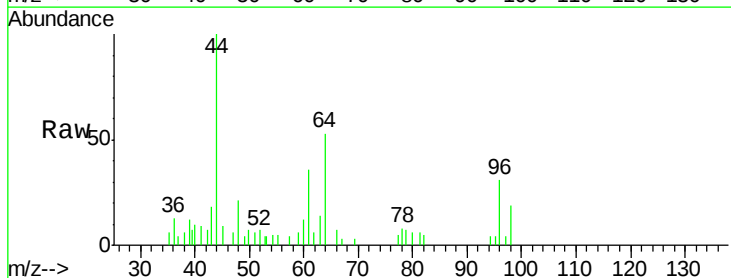
Instrument :
MSVOA_X
ClientSampled :

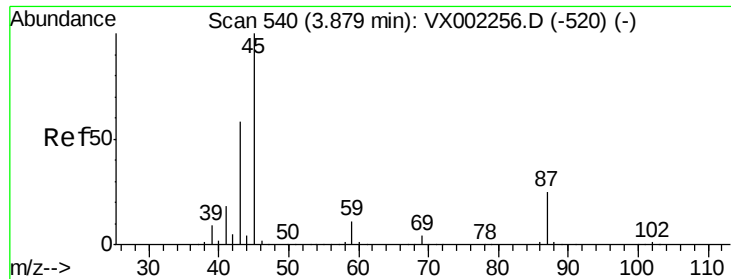
Tot Ion: 84 Resp: 398
Ion Ratio Lower Upper
84 100
49 116.8 107.8 161.6
51 83.8 32.8 49.2#
86 60.1 52.5 78.7



#21
trans-1,2-Dichloroethene
Concen: 0.42 ug/l
RT: 3.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: VX002473.D
Acq: 12 Jun 2018 18:11

Tgt Ion: 96 Resp: 974
Ion Ratio Lower Upper
96 100
61 116.4 117.0 175.4#
98 60.5 52.4 78.6

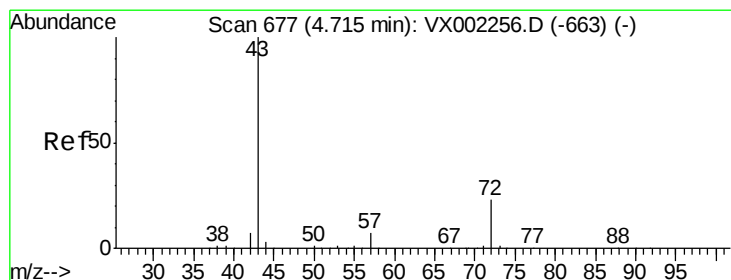
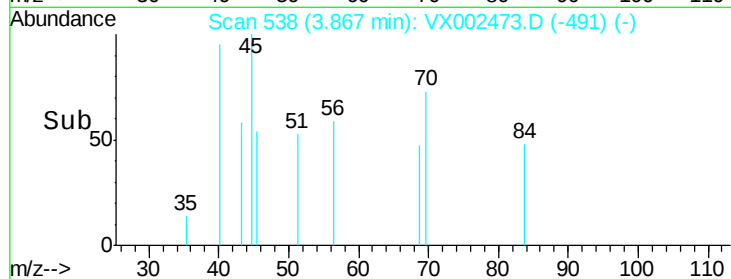
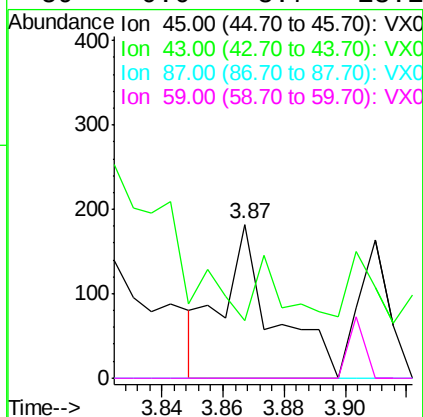
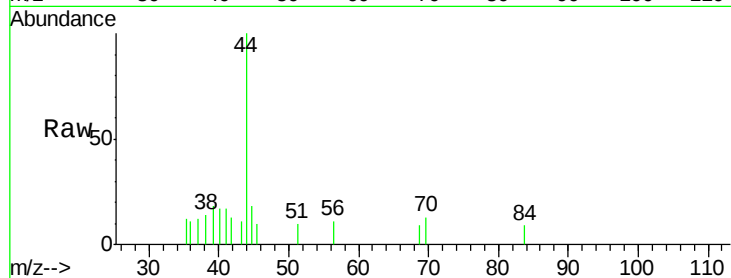




#22
Diisopropyl ether
Concen: Below Cal
RT: 3.87 min Scan# 538
Delta R.T. -0.01 min
Lab File: VX002473.D
Acq: 12 Jun 2018 18:11

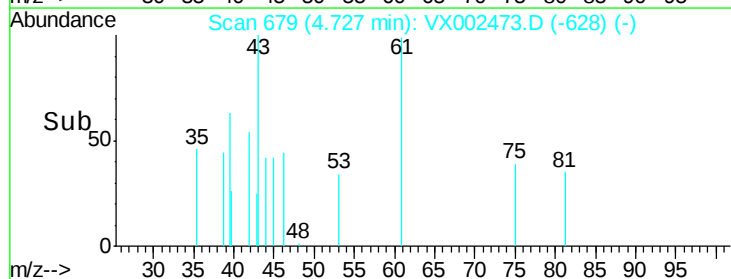
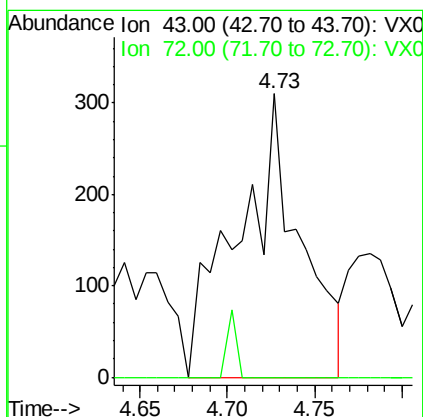
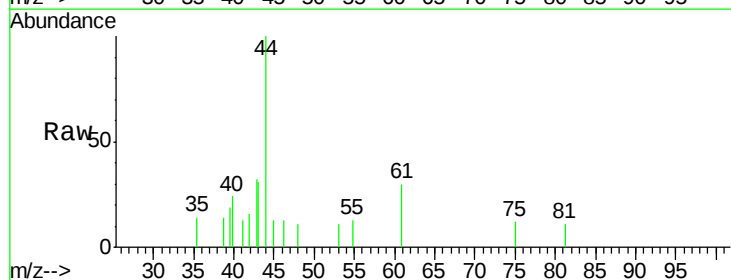
Instrument :
MSVOA_X
ClientSampled :

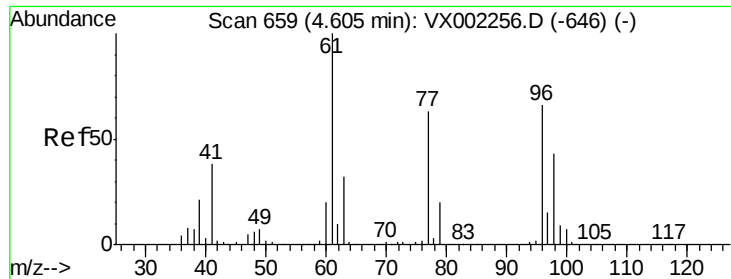
Tot Ion:	45	Resp:	211
Ion	Ratio	Lower	Upper
45	100		
43	0.0	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#



#25
2-Butanone
Concen: 0.39 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX002473.D
Acq: 12 Jun 2018 18:11

Tgt Ion:	43	Resp:	764
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.5	27.7#





#27

cis-1,2-Dichloroethene

Concen: 0.83 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002473.D

Acq: 12 Jun 2018 18:11

Instrument :

MSVOA_X

ClientSampled :

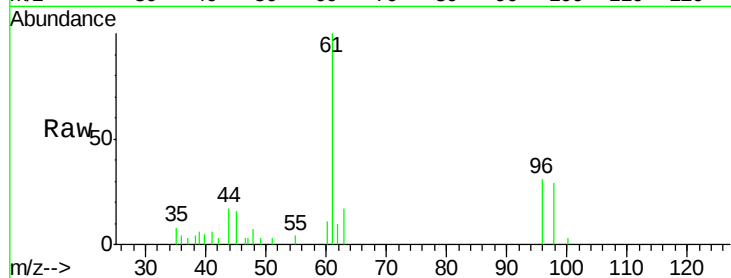
Tot Ion: 96 Resp: 2112

Ion Ratio Lower Upper

96 100

61 334.6 0.0 330.2#

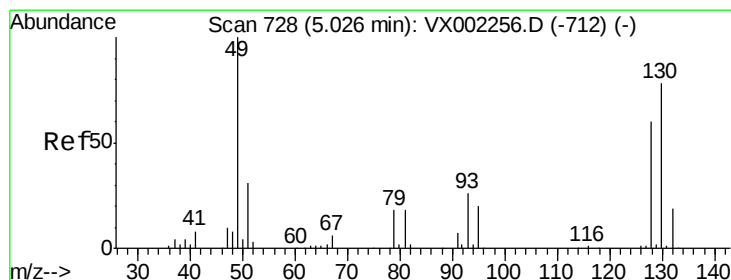
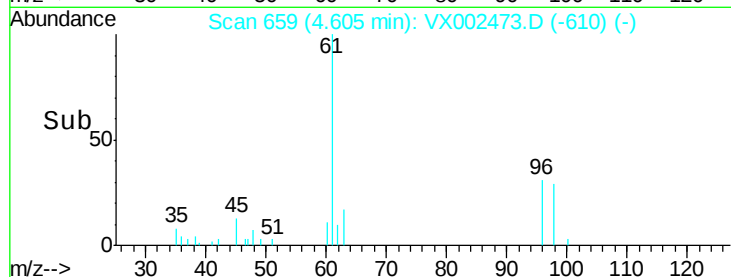
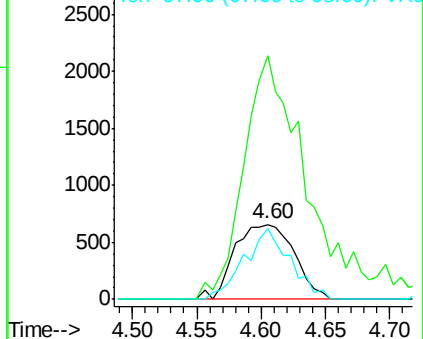
98 72.8 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.09 min Scan# 738

Delta R.T. 0.06 min

Lab File: VX002473.D

Acq: 12 Jun 2018 18:11

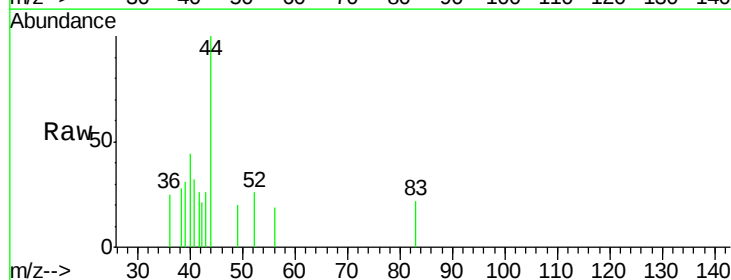
Tgt Ion: 49 Resp: 60

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

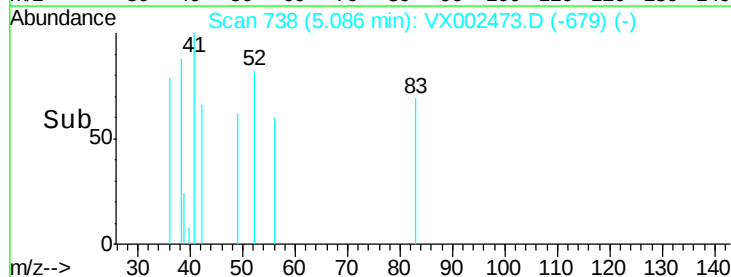
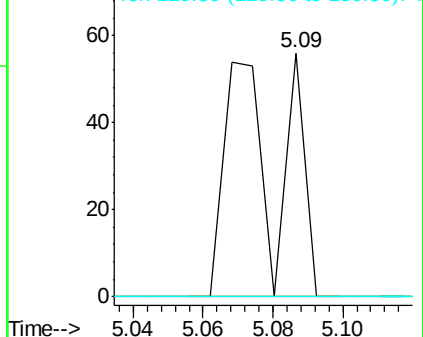
130 0.0 61.2 91.8#

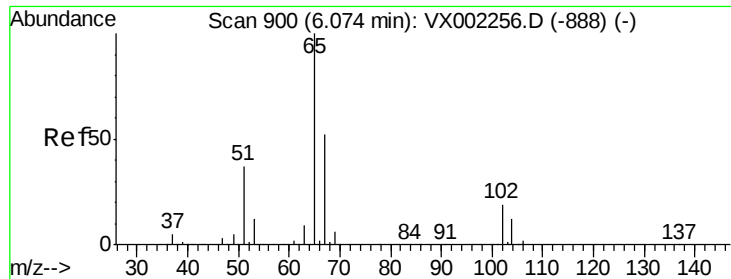


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

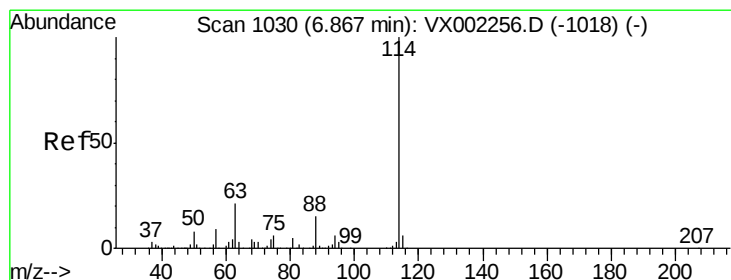
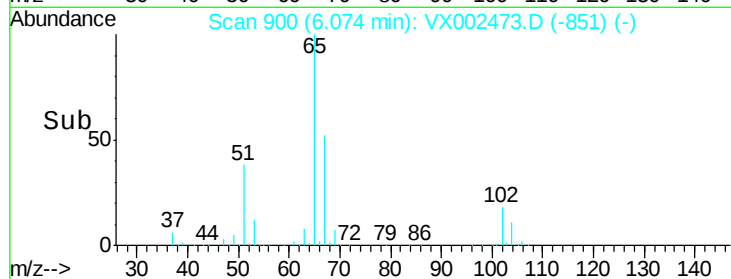
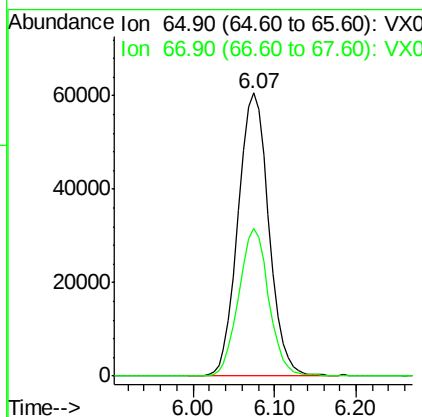
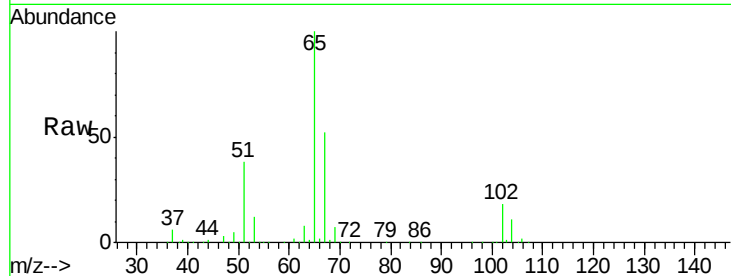




#33
 1,2-Dichloroethane-d4
 Concen: 56.33 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002473.D
 Acq: 12 Jun 2018 18:11

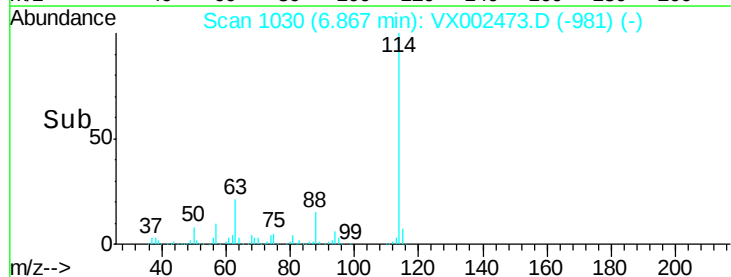
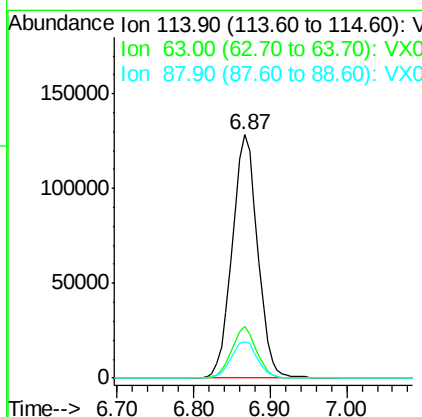
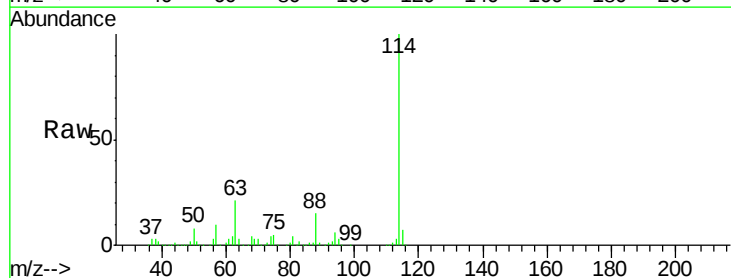
Instrument :
 MSVOA_X
 ClientSampleId :

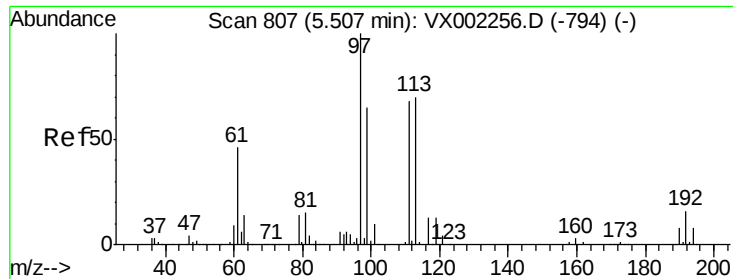
Tot Ion: 65 Resp: 158862
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002473.D
 Acq: 12 Jun 2018 18:11

Tgt Ion: 114 Resp: 296468
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.4
 88 15.0 0.0 30.0

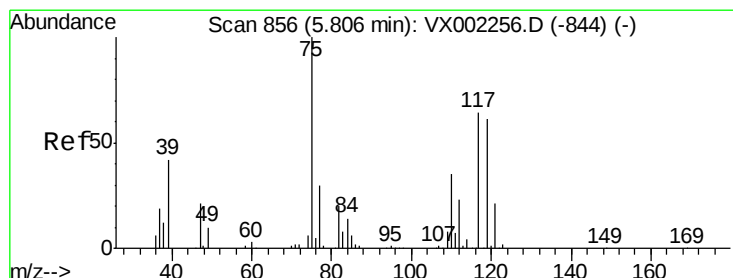
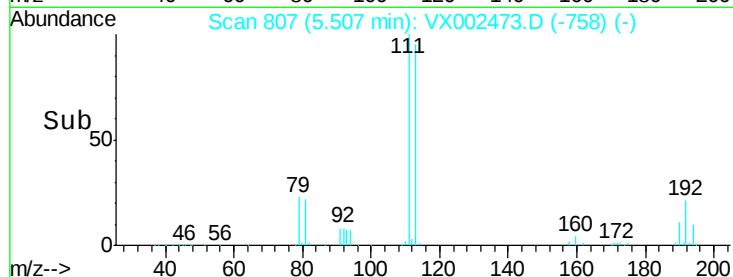
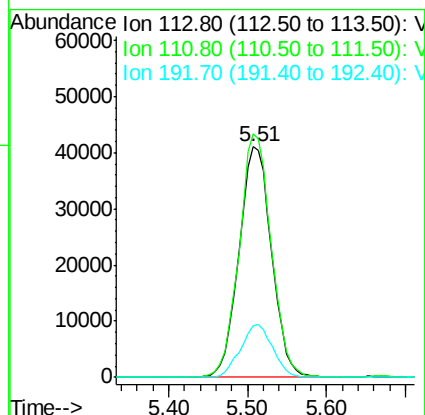
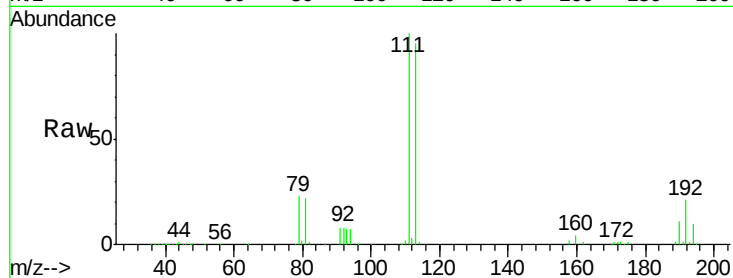




#35
Dibromofluoromethane
Concen: 50.48 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002473.D
Acq: 12 Jun 2018 18:11

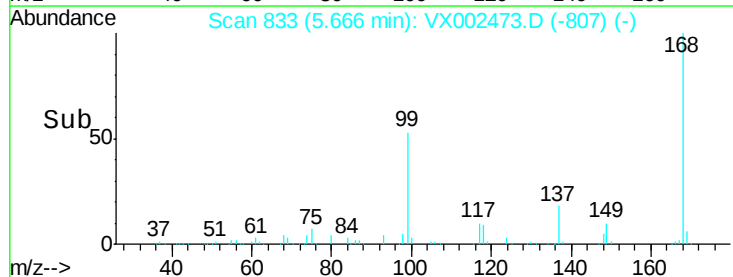
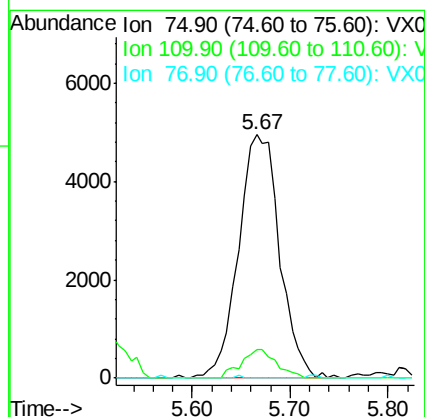
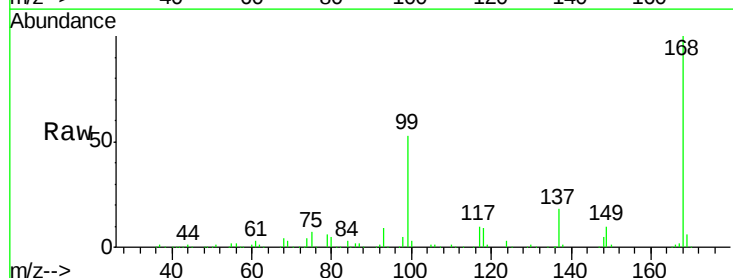
Instrument :
MSVOA_X
ClientSampled :

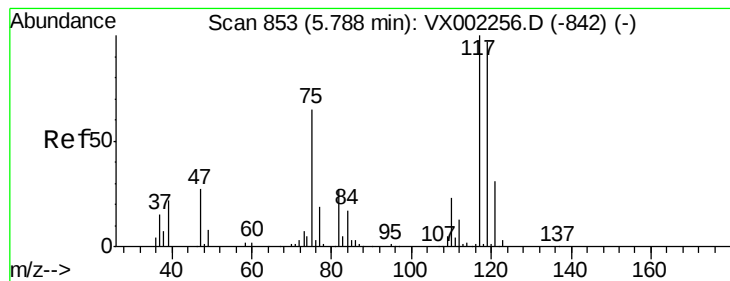
Tot Ion:113 Resp: 117696
Ion Ratio Lower Upper
113 100
111 104.2 81.4 122.0
192 22.6 19.1 28.7



#36
1,1-Dichloropropene
Concen: 4.62 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.14 min
Lab File: VX002473.D
Acq: 12 Jun 2018 18:11

Tgt Ion: 75 Resp: 14385
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.4#
77 0.1 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.90 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002473.D

Acq: 12 Jun 2018 18:11

Instrument :

MSVOA_X

ClientSampled :

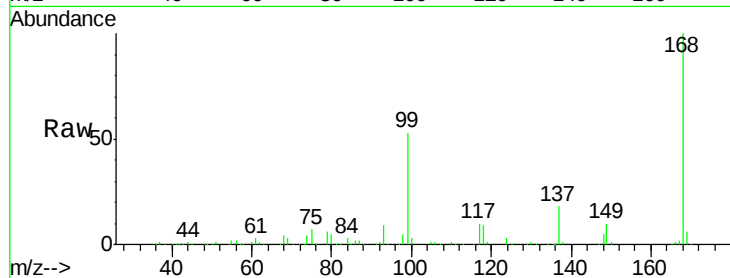
Tot Ion:117 Resp: 19223

Ion Ratio Lower Upper

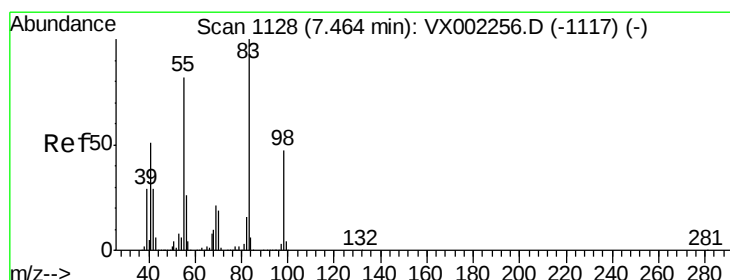
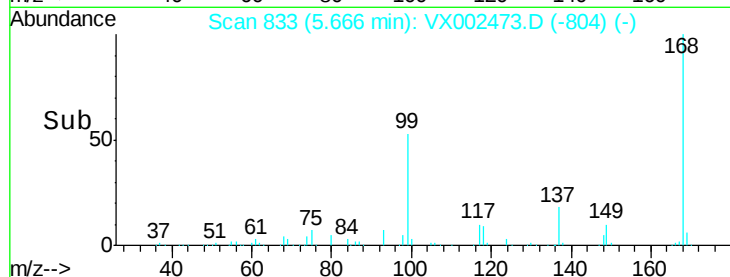
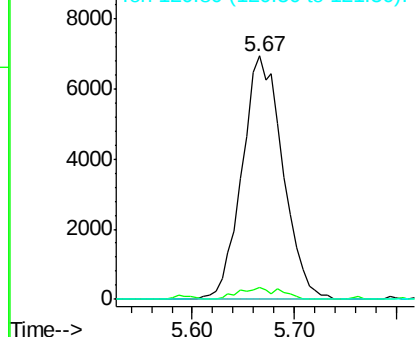
117 100

119 5.0 77.4 116.0#

121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.34 ug/l

RT: 7.48 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VX002473.D

Acq: 12 Jun 2018 18:11

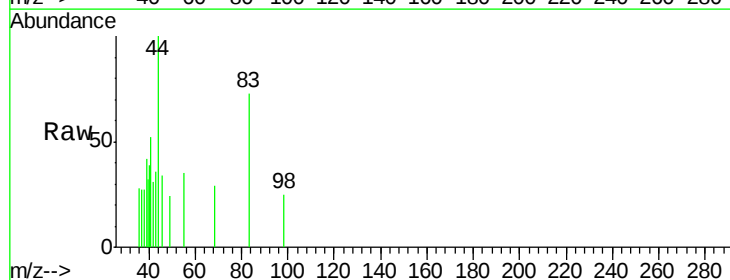
Tgt Ion: 83 Resp: 307

Ion Ratio Lower Upper

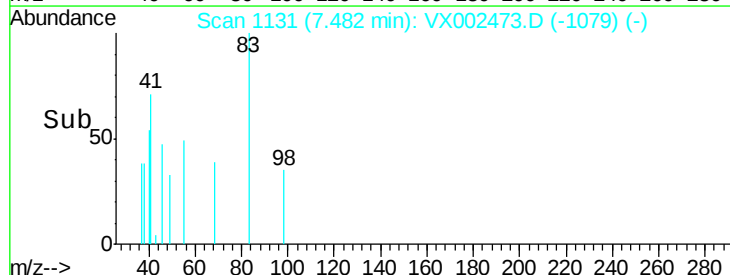
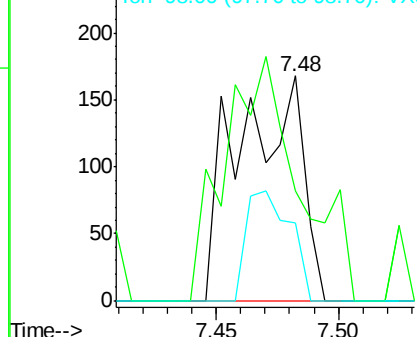
83 100

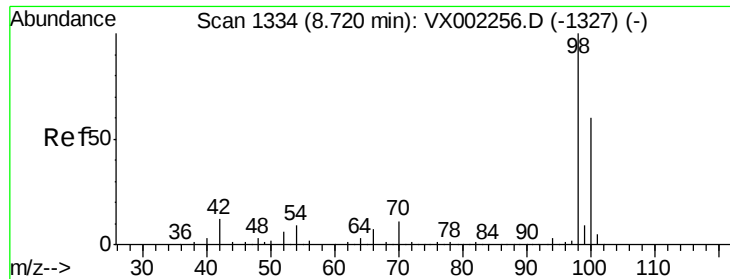
55 48.8 65.4 98.0#

98 34.5 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

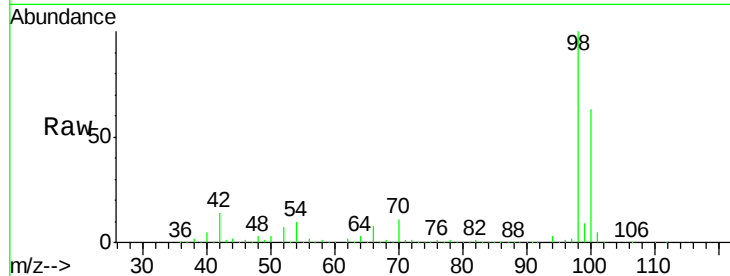




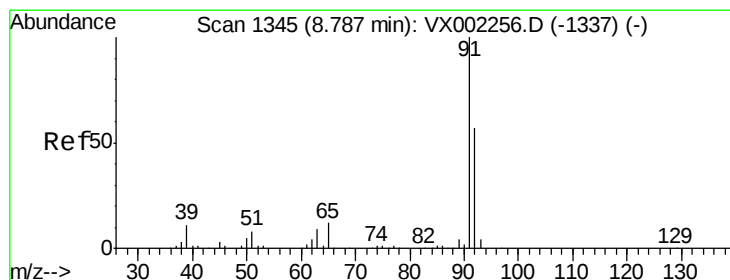
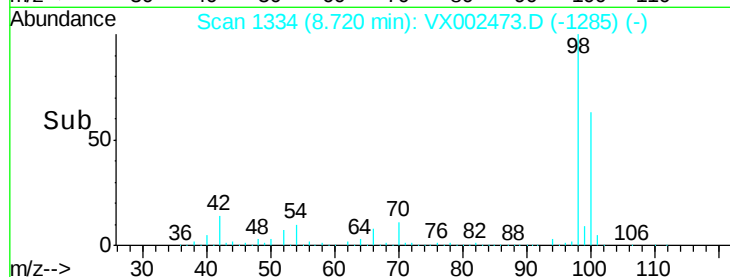
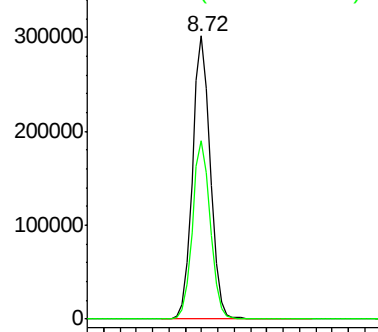
#50
Toluene-d8
Concen: 51.61 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002473.D
Acq: 12 Jun 2018 18:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 461180
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3

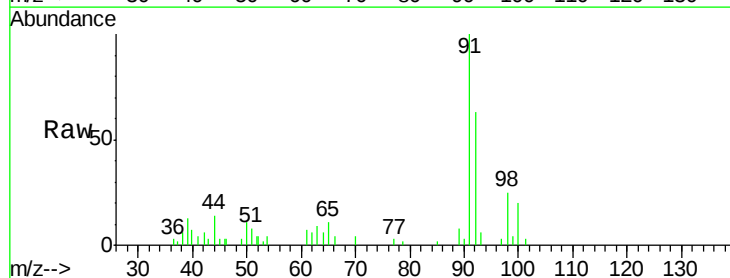


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX

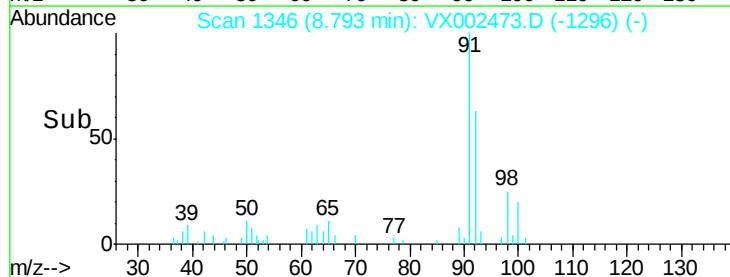
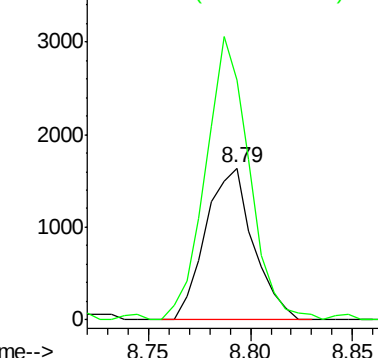


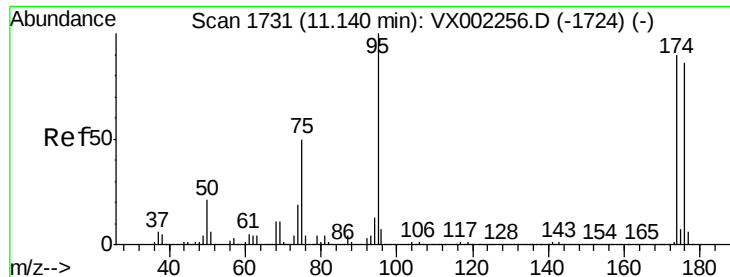
#52
Toluene
Concen: 0.44 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VX002473.D
Acq: 12 Jun 2018 18:11

Tgt Ion: 92 Resp: 2646
Ion Ratio Lower Upper
92 100
91 171.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0

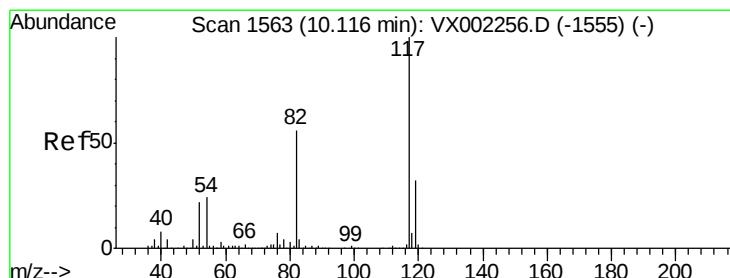
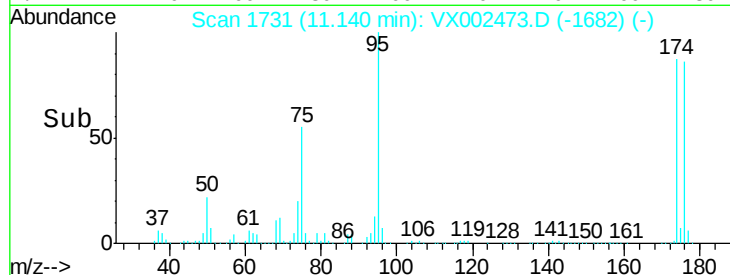
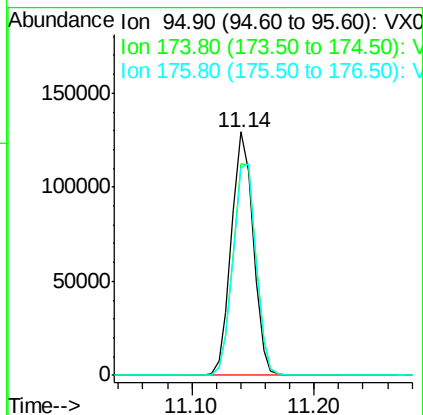
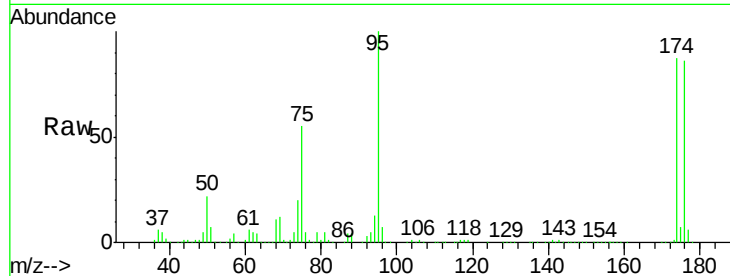




#62
4-Bromofluorobenzene
Concen: 46.26 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002473.D
Acq: 12 Jun 2018 18:11

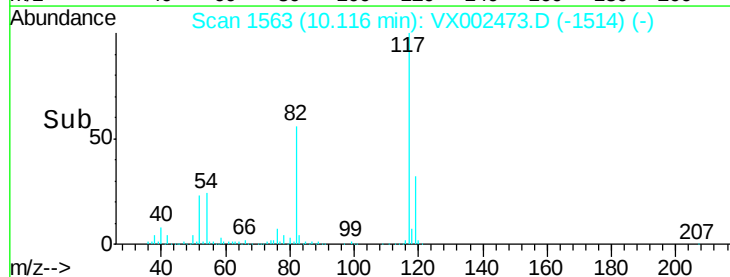
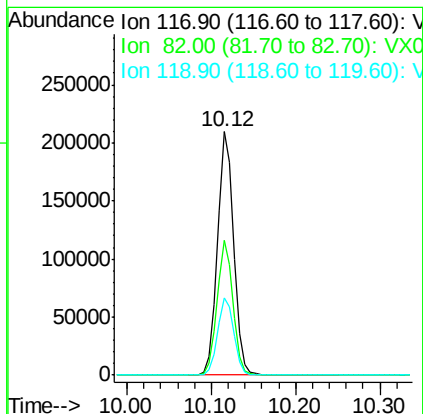
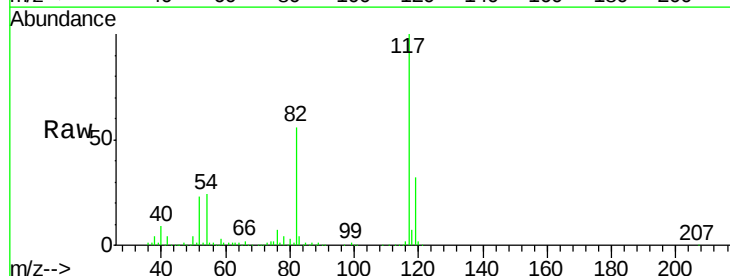
Instrument :
MSVOA_X
ClientSampleId :

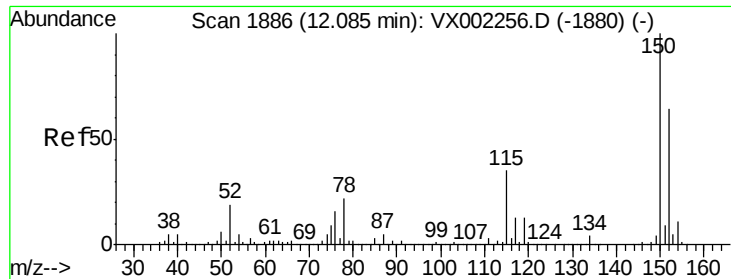
Tot Ion: 95 Resp: 159396
Ion Ratio Lower Upper
95 100
174 91.8 0.0 187.4
176 91.1 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002473.D
Acq: 12 Jun 2018 18:11

Tgt Ion: 117 Resp: 279017
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 31.5 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002473.D

Acq: 12 Jun 2018 18:11

Instrument :

MSVOA_X

ClientSampleId :

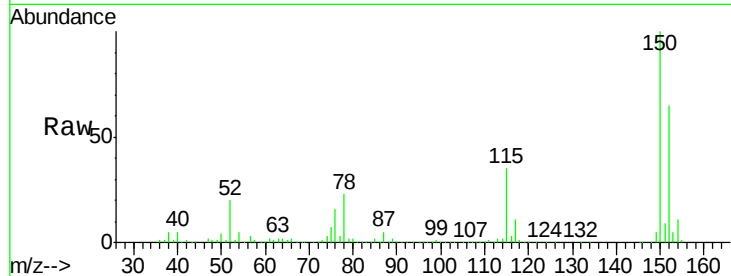
Tot Ion:152 Resp: 152738

Ion Ratio Lower Upper

152 100

115 55.0 40.1 120.2

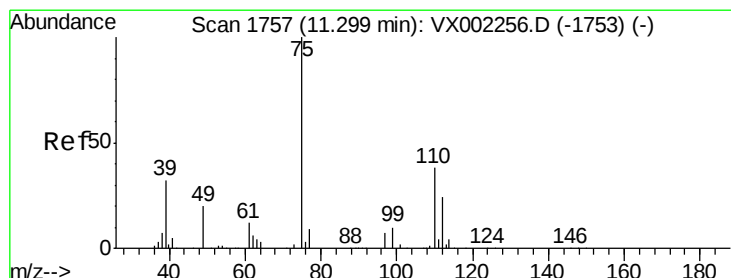
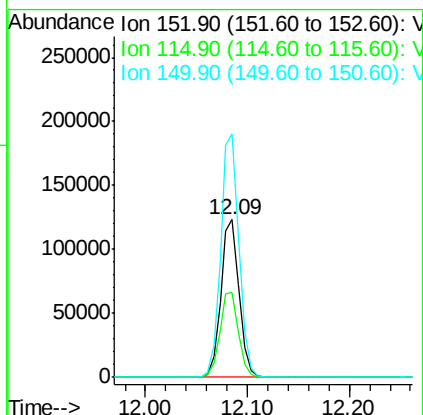
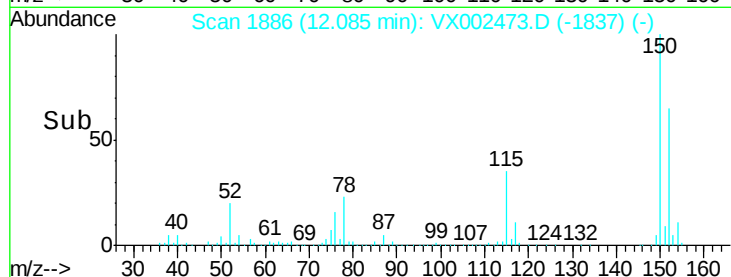
150 155.6 0.0 347.2



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



#76

1,2,3-Trichloropropane

Concen: 25.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002473.D

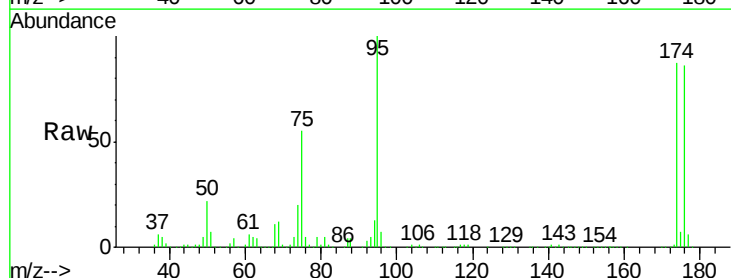
Acq: 12 Jun 2018 18:11

Tgt Ion: 75 Resp: 86397

Ion Ratio Lower Upper

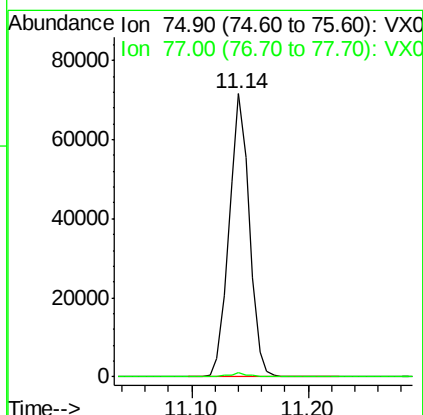
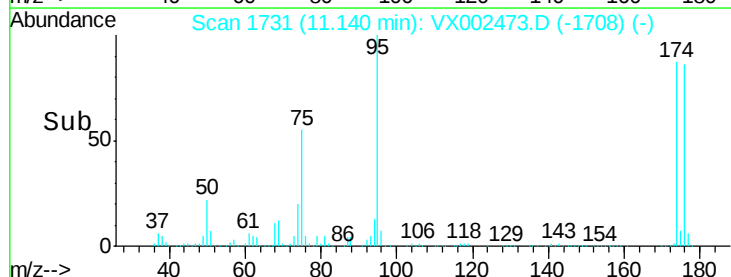
75 100

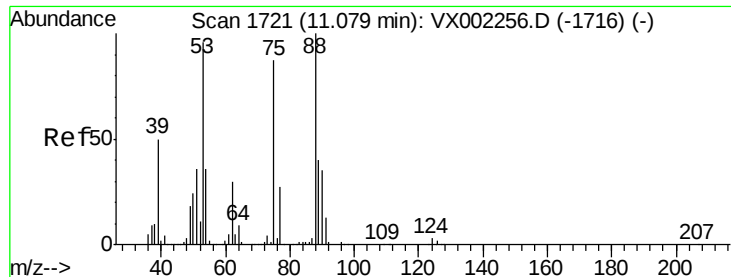
77 1.2 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.36 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002473.D
 Acq: 12 Jun 2018 18:11

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 86397
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

