

Data Path : Y:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
 Data File : VX002281.D
 Acq On : 05 Jun 2018 01:26
 Operator : JC/MD
 Sample : J3269-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 06:09:25 2018
 Quant Method : Y:\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	242609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	344349	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	174601	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	165428	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
35) Dibromofluoromethane	5.51	113	120013	44.32	ug/l	0.00
Spiked Amount			Recovery	=	88.64%	
50) Toluene-d8	8.72	98	492910	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
62) 4-Bromofluorobenzene	11.14	95	171149	42.76	ug/l	0.00
Spiked Amount			Recovery	=	85.52%	

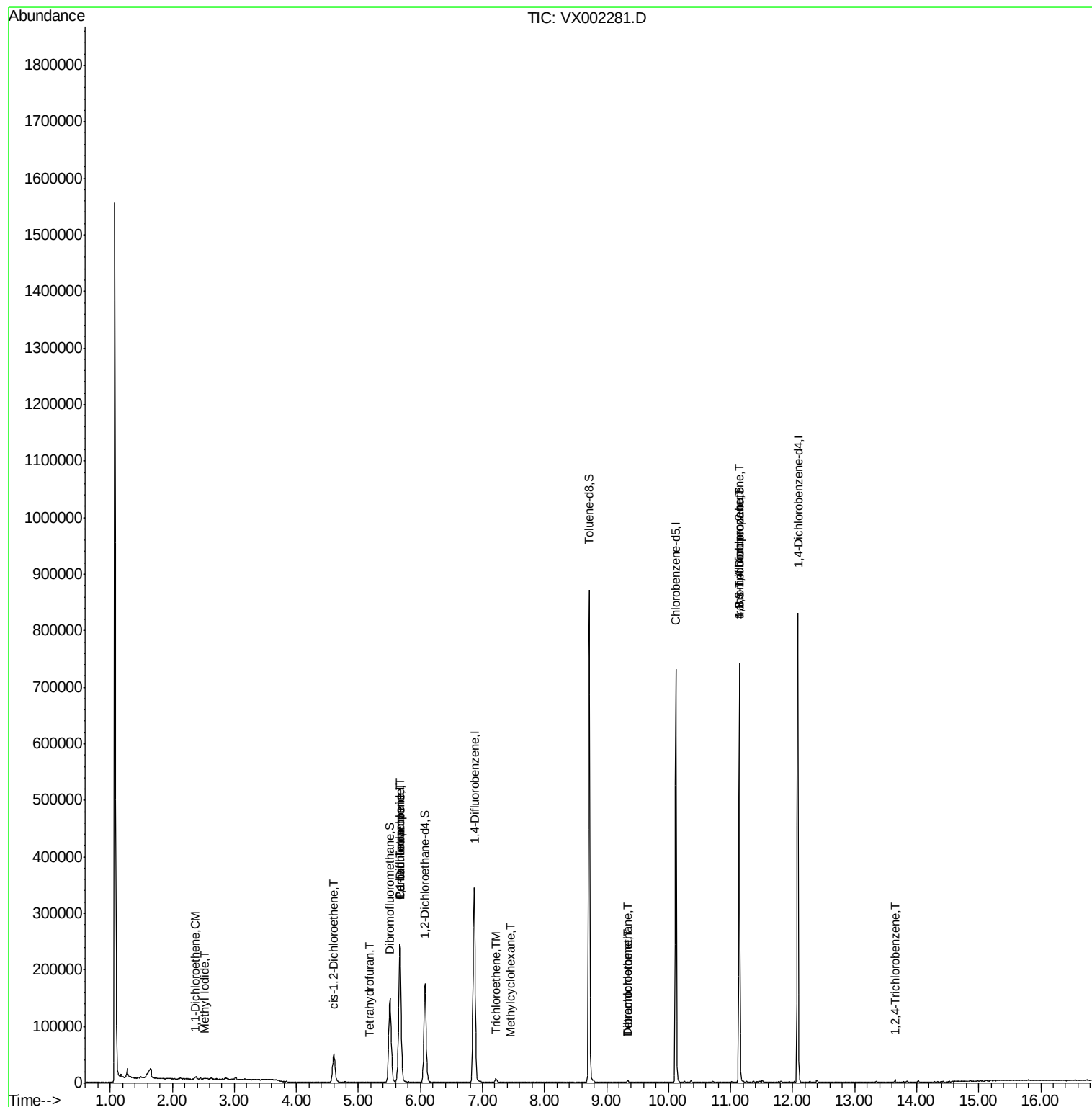
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	992	Below Cal		95
5) Bromomethane	1.64	94	1586	Below Cal		95
8) Diethyl Ether	2.15	74	41	Below Cal	#	1
10) Methyl Iodide	2.52	142	1877	0.51	ug/l	97
11) Tert butyl alcohol	3.02	59	2215	Below Cal	#	86
12) 1,1-Dichloroethene	2.38	96	1129	0.44	ug/l	# 73
13) Acrolein	2.29	56	238	Below Cal	#	60
15) Acrylonitrile	3.15	53	83	Below Cal	#	1
16) Acetone	2.45	43	1537	Below Cal		99
18) Methyl Acetate	2.79	43	396	Below Cal	#	90
19) Methyl tert-butyl Ether	3.19	73	90	Below Cal	#	1
20) Methylene Chloride	2.86	84	986	Below Cal	#	91
22) Diisopropyl ether	3.88	45	235	Below Cal	#	64
27) cis-1,2-Dichloroethene	4.60	96	29691	9.59	ug/l	97
28) Bromochloromethane	5.03	49	43	Below Cal	#	68
29) Tetrahydrofuran	5.17	42	844	0.55	ug/l	# 90
36) 1,1-Dichloropropene	5.67	75	17282	4.77	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	22804	6.02	ug/l	# 17
39) Methylcyclohexane	7.45	83	156	0.30	ug/l	# 68
44) Trichloroethene	7.21	130	2524	0.82	ug/l	97
60) Dibromochloromethane	9.34	129	637	0.22	ug/l	# 11
64) Tetrachloroethene	9.34	164	646	0.20	ug/l	# 86
76) 1,2,3-Trichloropropane	11.14	75	93114	24.30	ug/l	# 32
81) trans-1,4-Dichloro-2-buten	11.14	75	93114	85.19	ug/l	# 6
93) 1,2,4-Trichlorobenzene	13.65	180	1002	0.23	ug/l	91

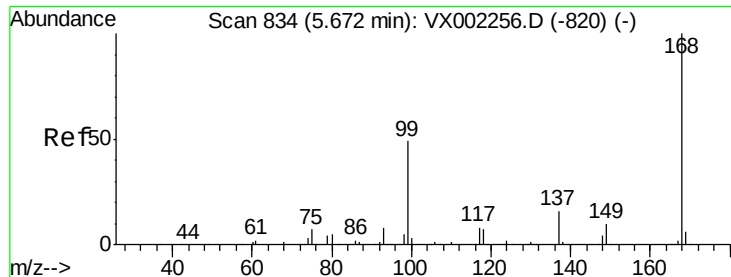
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Jun 05 06:09:25 2018
Quant Method : Y:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

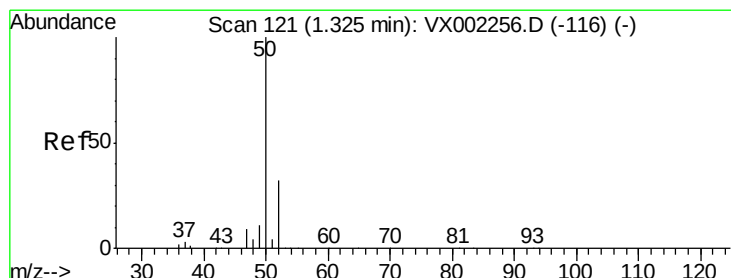
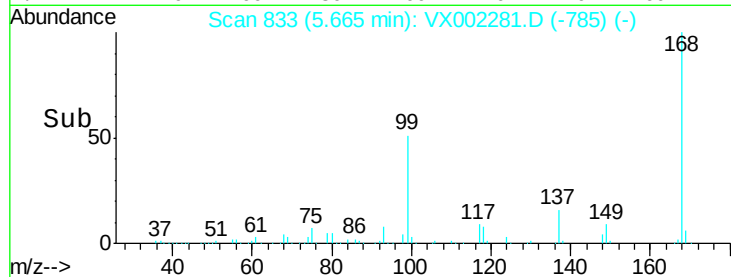
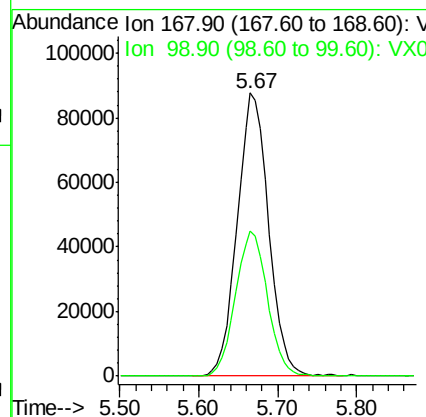
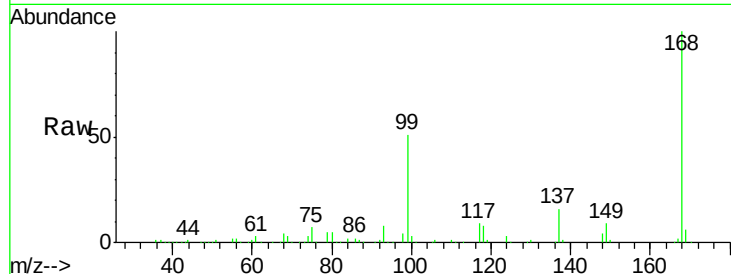




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.01 min
Lab File: VX002281.D
Acq: 05 Jun 2018 01:26

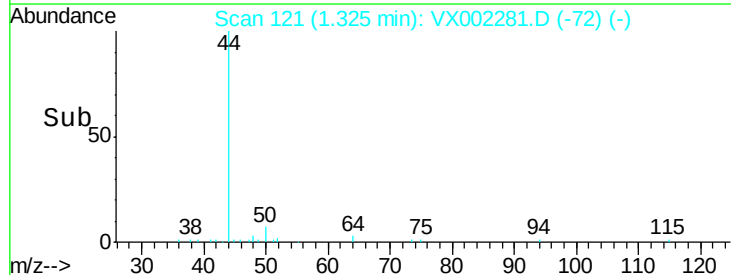
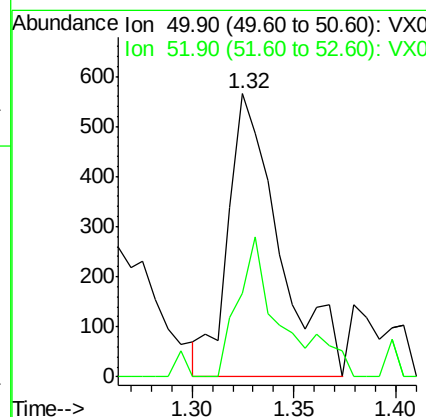
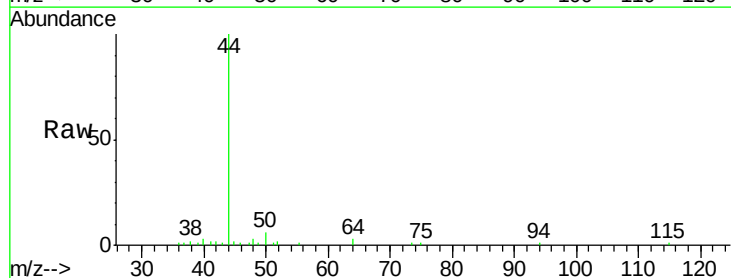
Instrument :
MSVOA_X
ClientSampleId :

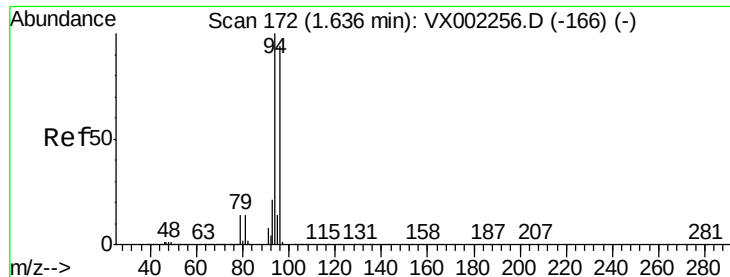
Tot Ion:168 Resp: 242609
Ion Ratio Lower Upper
168 100
99 51.0 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX002281.D
Acq: 05 Jun 2018 01:26

Tgt Ion: 50 Resp: 992
Ion Ratio Lower Upper
50 100
52 29.6 25.7 38.5





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002281.D

Acq: 05 Jun 2018 01:26

Instrument :

MSVOA_X

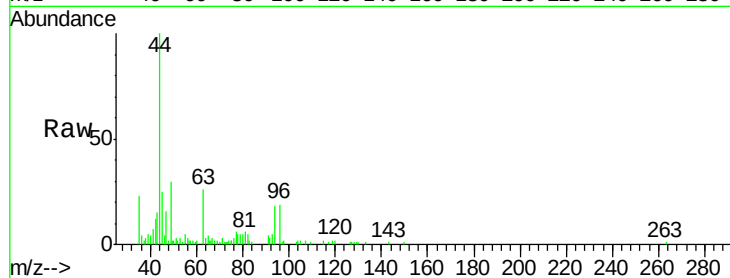
ClientSampled :

Tot Ion: 94 Resp: 1586

Ion Ratio Lower Upper

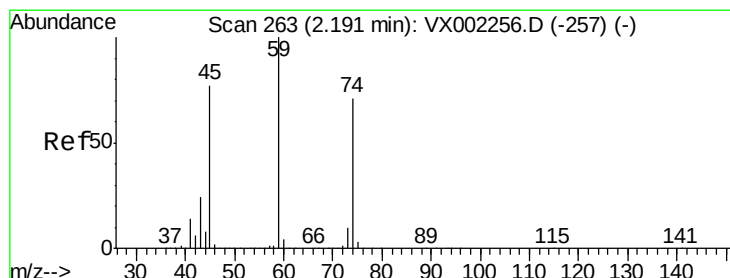
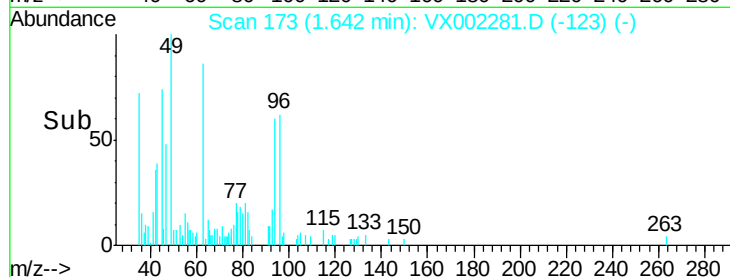
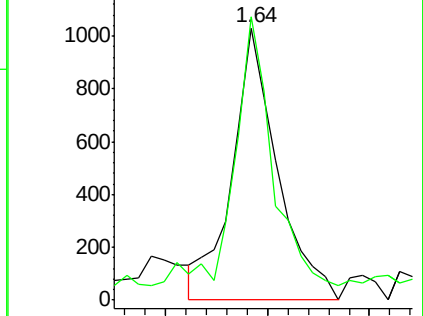
94 100

96 98.8 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.15 min Scan# 256

Delta R.T. -0.04 min

Lab File: VX002281.D

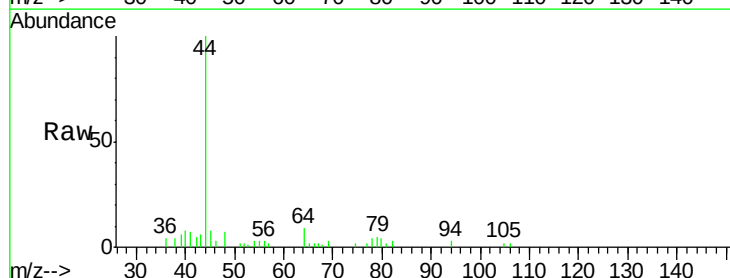
Acq: 05 Jun 2018 01:26

Tgt Ion: 74 Resp: 41

Ion Ratio Lower Upper

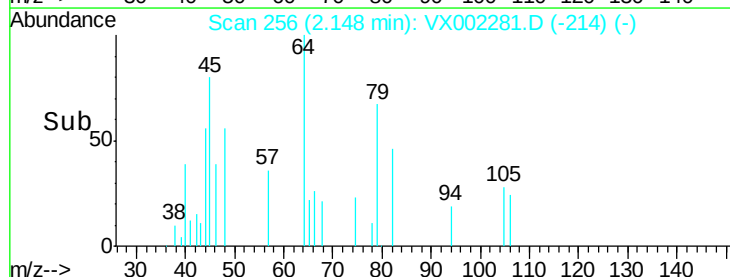
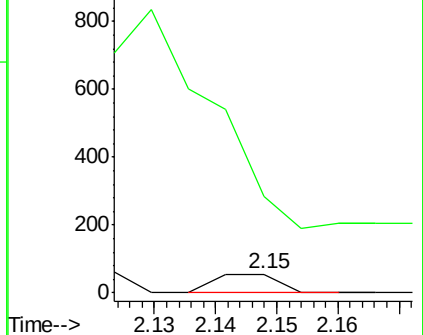
74 100

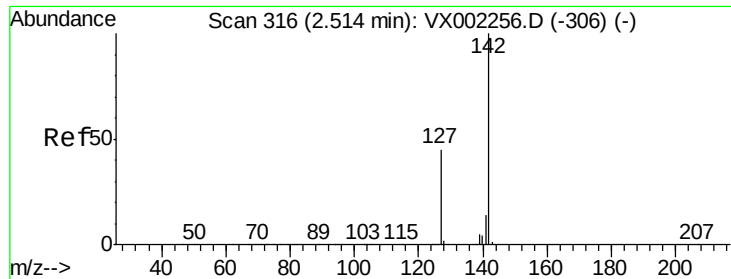
45 0.0 53.1 159.4#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

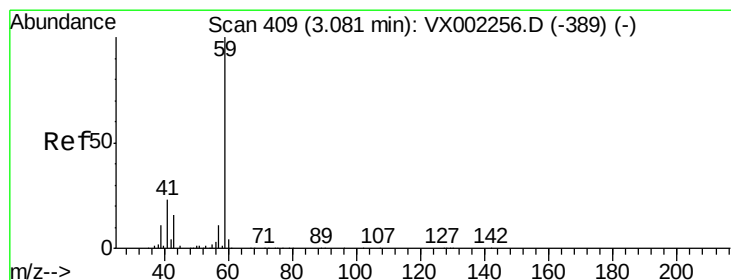
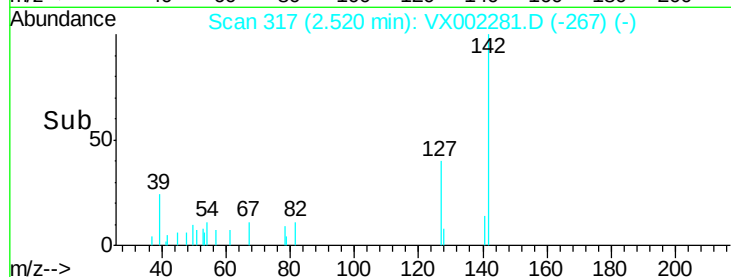
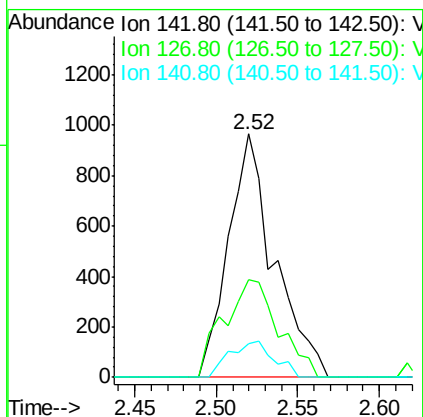
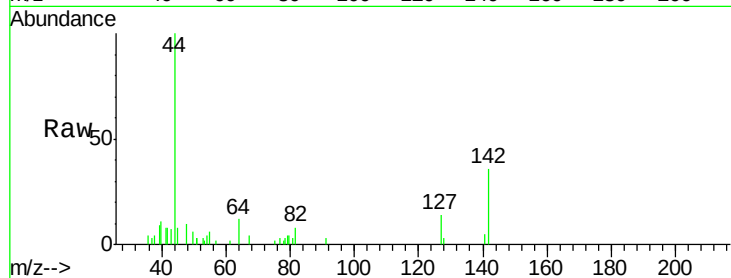




#10
Methvl Iodide
Concen: 0.51 ua/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002281.D
Acq: 05 Jun 2018 01:26

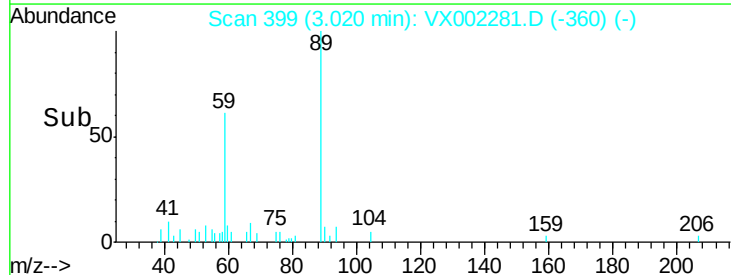
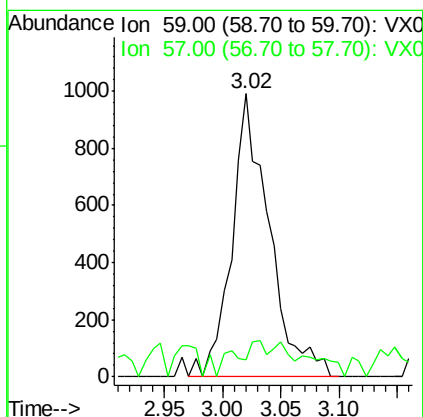
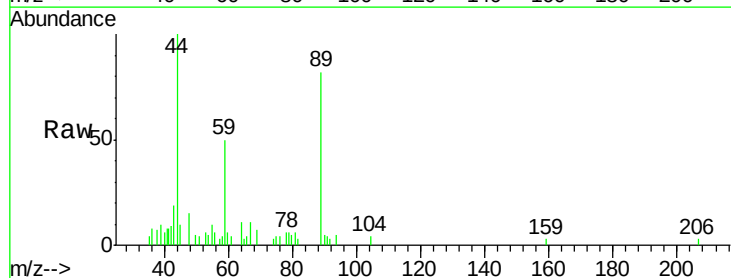
Instrument :
MSVOA_X
ClientSampleId :

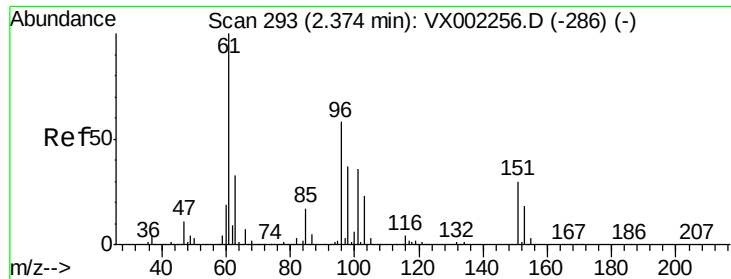
Tot Ion:142 Resp: 1877
Ion Ratio Lower Upper
142 100
127 48.2 36.6 55.0
141 14.4 11.3 16.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX002281.D
Acq: 05 Jun 2018 01:26

Tgt Ion: 59 Resp: 2215
Ion Ratio Lower Upper
59 100
57 4.9 8.2 12.2#

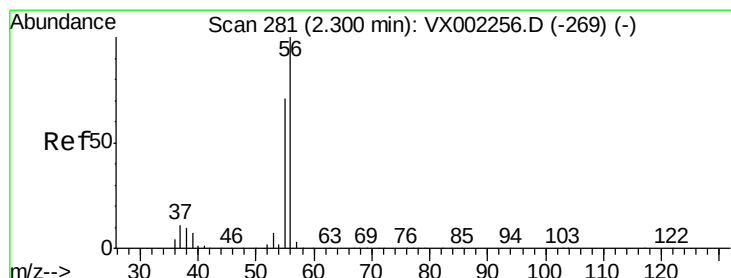
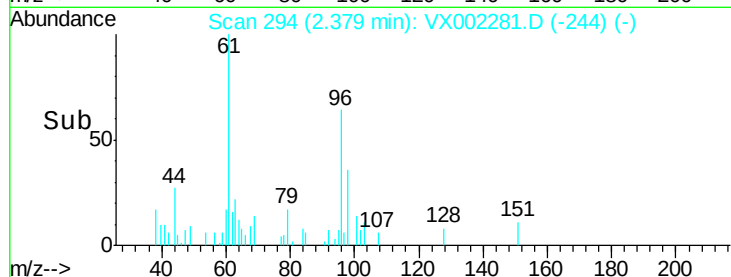
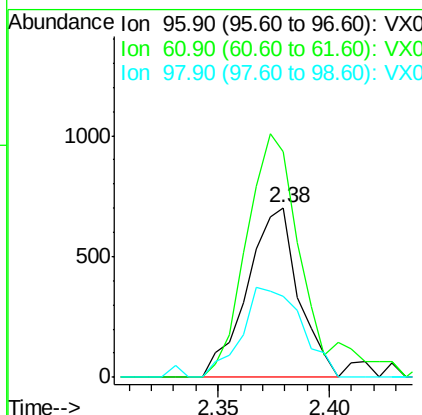
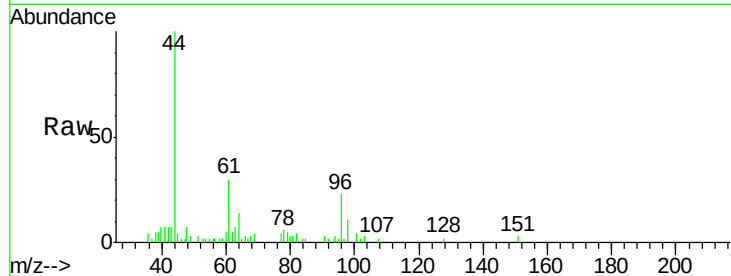




#12
 1,1-Dichloroethene
 Concen: 0.44 ua/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX002281.D
 Acq: 05 Jun 2018 01:26

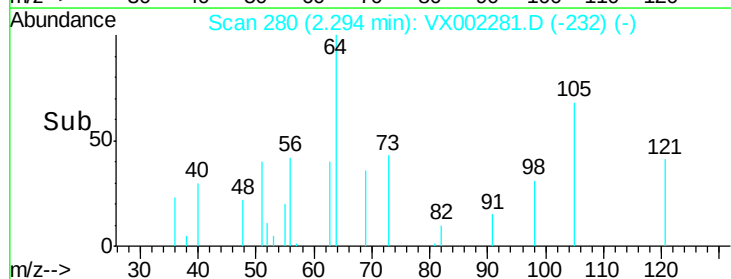
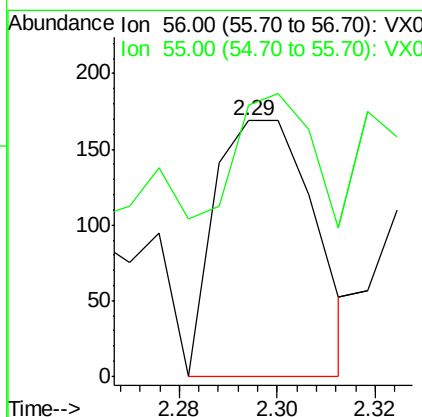
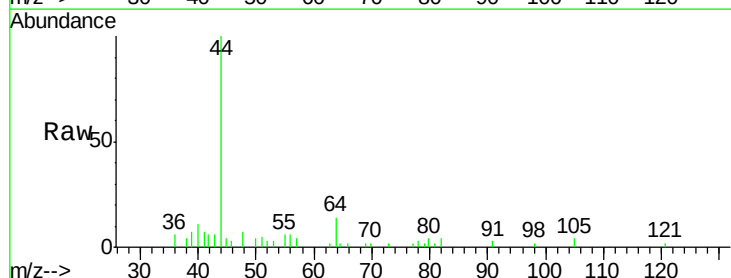
Instrument :
 MSVOA_X
 ClientSampled :

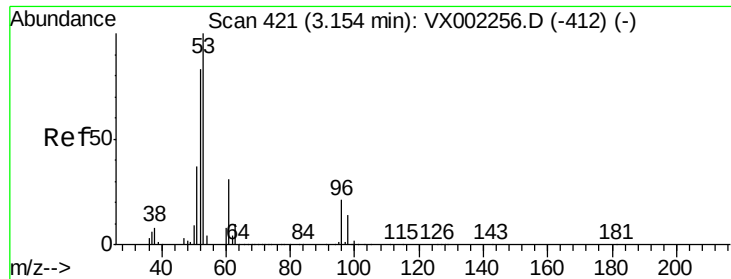
Tot Ion: 96 Resp: 1129
 Ion Ratio Lower Upper
 96 100
 61 133.0 137.9 206.9#
 98 47.7 51.6 77.4#



#13
 Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: VX002281.D
 Acq: 05 Jun 2018 01:26

Tgt Ion: 56 Resp: 238
 Ion Ratio Lower Upper
 56 100
 55 38.2 57.0 85.4#





#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002281.D

Acq: 05 Jun 2018 01:26

Instrument :

MSVOA_X

ClientSampled :

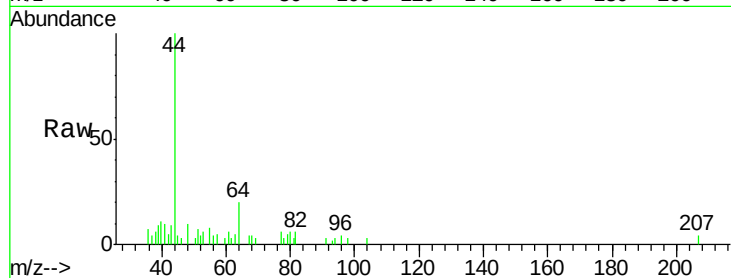
Tot Ion: 53 Resp: 83

Ion Ratio Lower Upper

53 100

52 210.8 66.7 100.1#

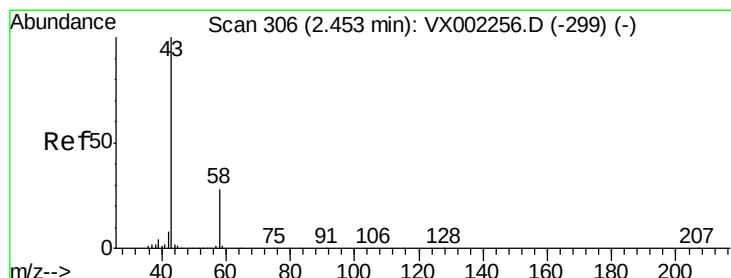
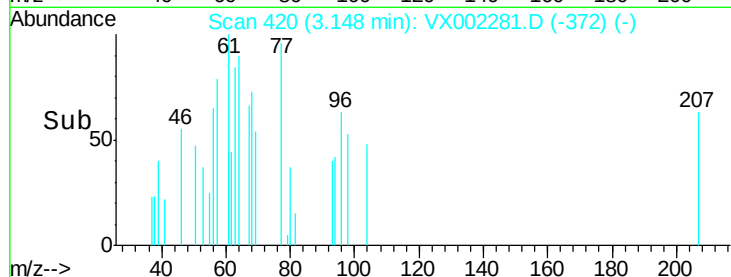
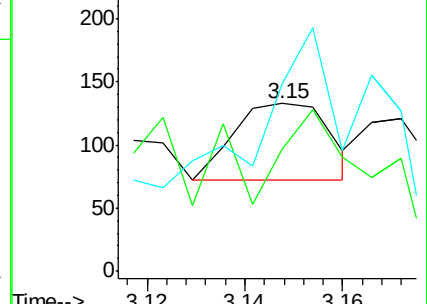
51 434.9 29.9 44.9#



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# 305

Delta R.T. -0.01 min

Lab File: VX002281.D

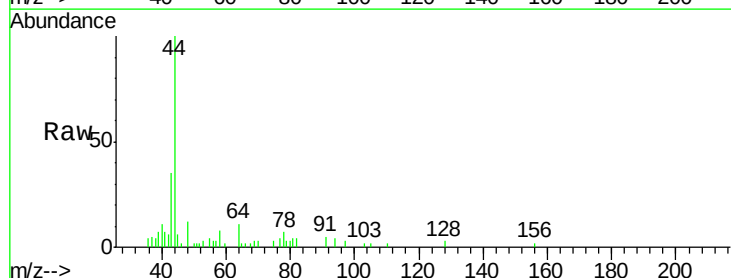
Acq: 05 Jun 2018 01:26

Tgt Ion: 43 Resp: 1537

Ion Ratio Lower Upper

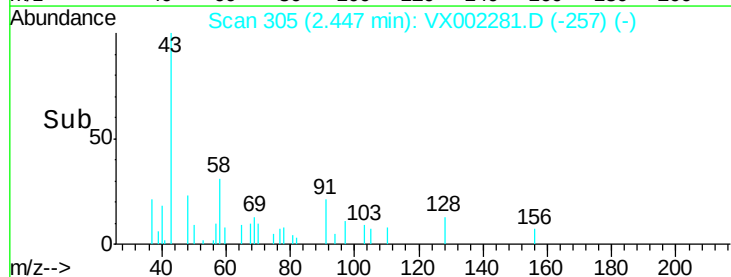
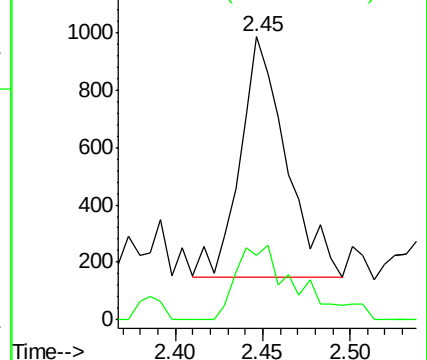
43 100

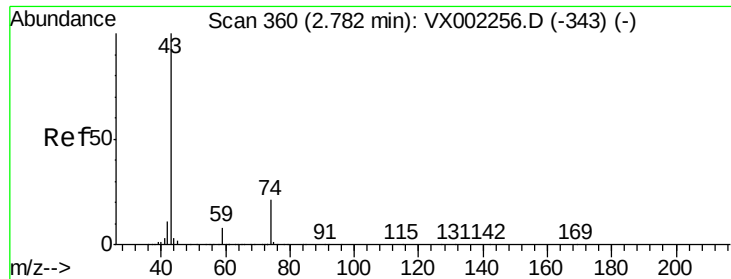
58 26.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

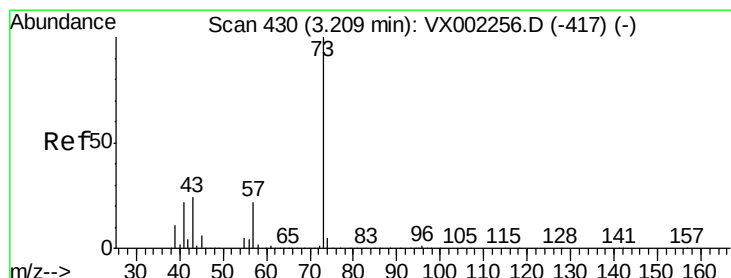
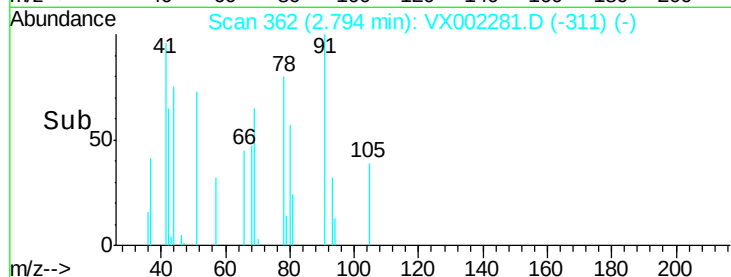
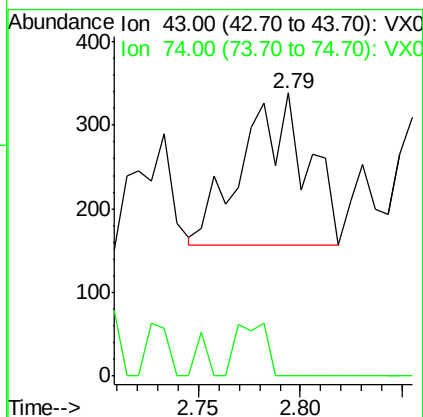
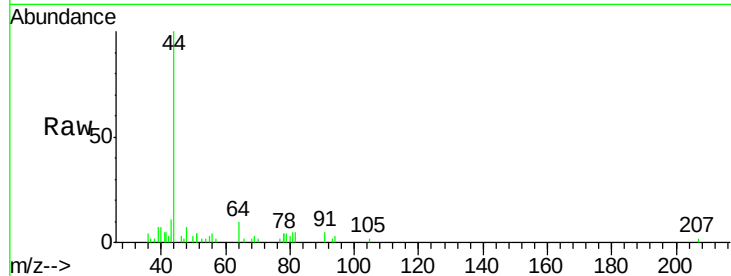




#18
Methyl Acetate
Concen: Below Cal
RT: 2.79 min Scan# 362
Delta R.T. 0.01 min
Lab File: VX002281.D
Acq: 05 Jun 2018 01:26

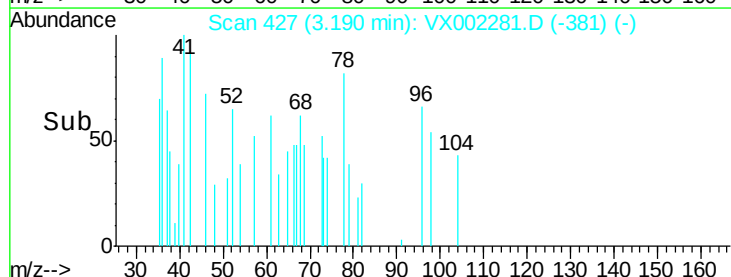
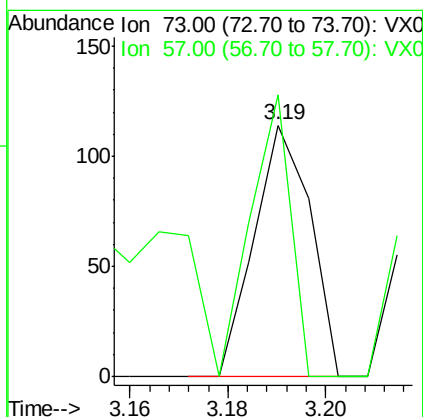
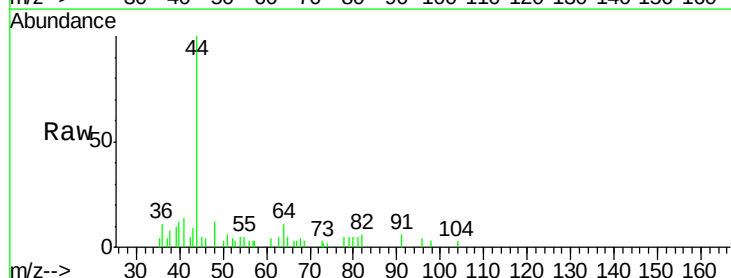
Instrument :
MSVOA_X
ClientSampleId :

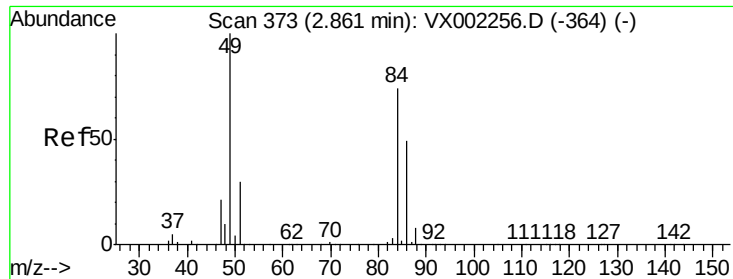
Tot Ion: 43 Resp: 396
Ion Ratio Lower Upper
43 100
74 16.4 16.7 25.1#



#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.19 min Scan# 427
Delta R.T. -0.02 min
Lab File: VX002281.D
Acq: 05 Jun 2018 01:26

Tgt Ion: 73 Resp: 90
Ion Ratio Lower Upper
73 100
57 112.3 17.7 26.5#

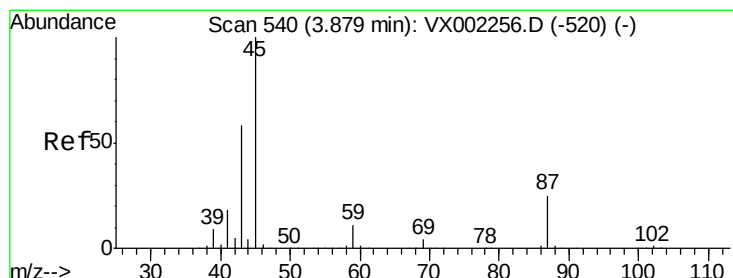
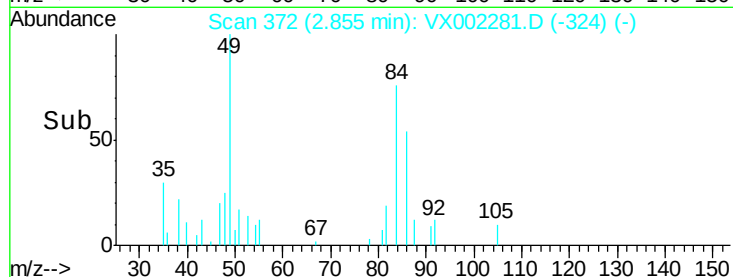
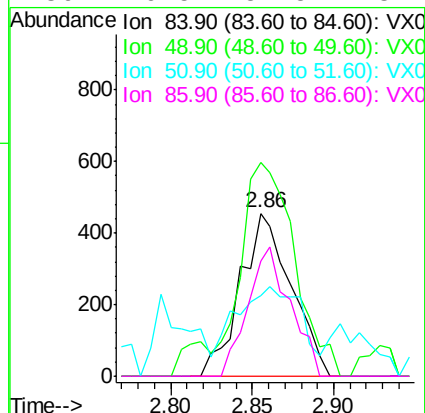
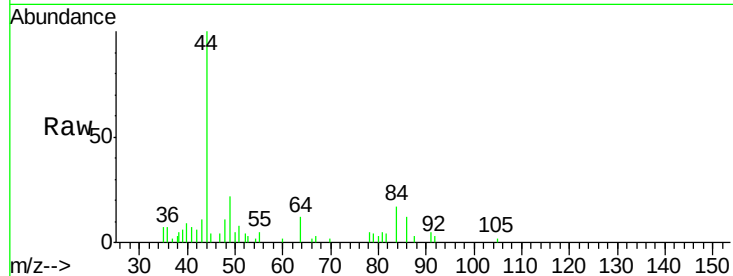




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002281.D
Acq: 05 Jun 2018 01:26

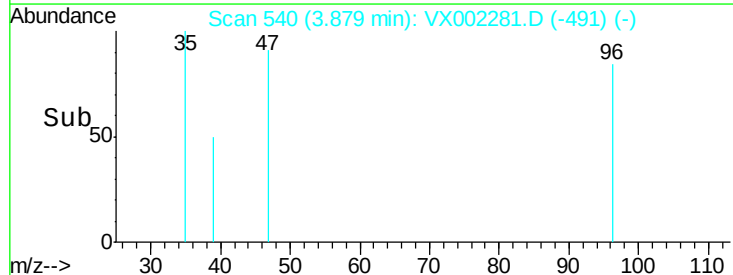
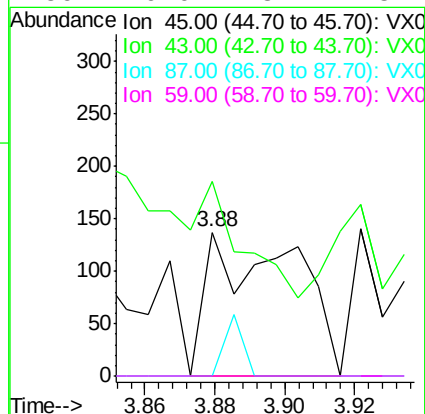
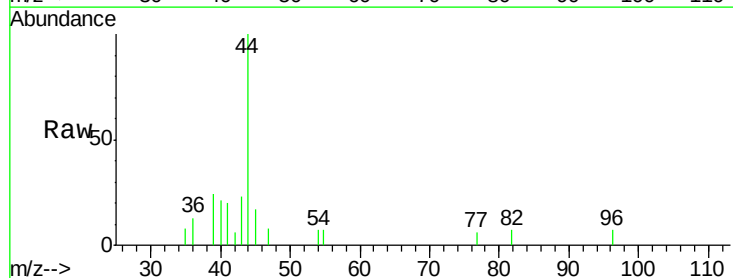
Instrument :
MSVOA_X
ClientSampleId :

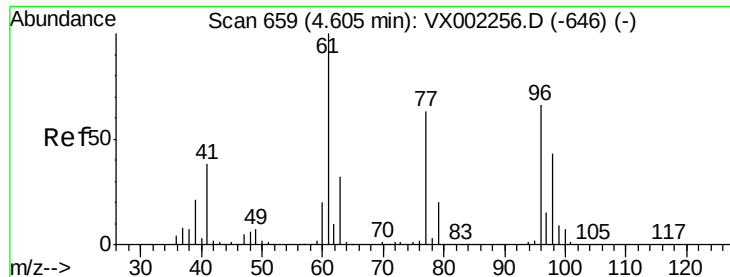
Tot Ion: 84 Resp: 986
Ion Ratio Lower Upper
84 100
49 131.2 107.8 161.6
51 21.5 32.8 49.2#
86 70.5 52.5 78.7



#22
Diisopropyl ether
Concen: Below Cal
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX002281.D
Acq: 05 Jun 2018 01:26

Tgt Ion: 45 Resp: 235
Ion Ratio Lower Upper
45 100
43 35.0 46.8 70.2#
87 0.0 20.2 30.4#
59 0.0 8.7 13.1#





#27

cis-1,2-Dichloroethene

Concen: 9.59 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002281.D

Acq: 05 Jun 2018 01:26

Instrument :
MSVOA_X
ClientSampleId :

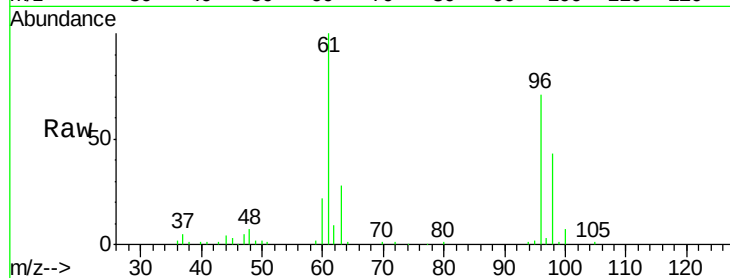
Tot Ion: 96 Resp: 29691

Ion Ratio Lower Upper

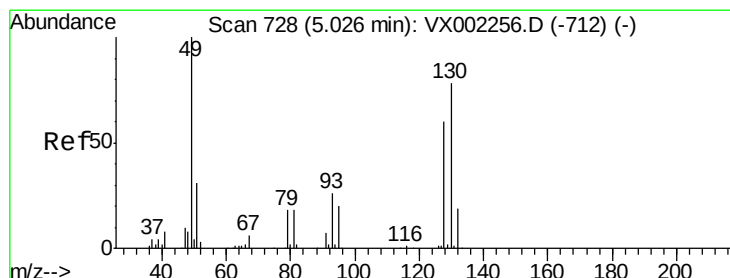
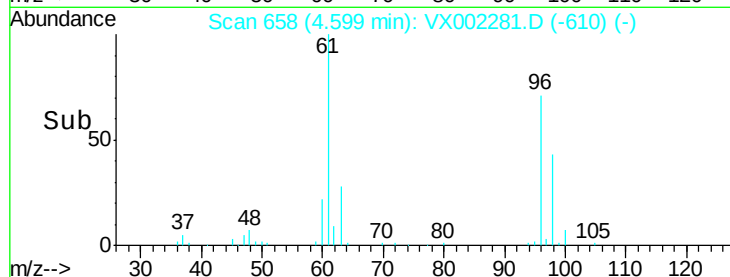
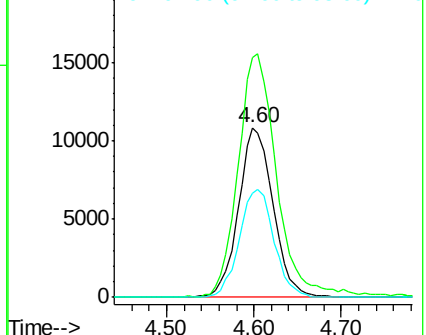
96 100

61 160.0 0.0 330.2

98 63.7 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: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002281.D

Acq: 05 Jun 2018 01:26

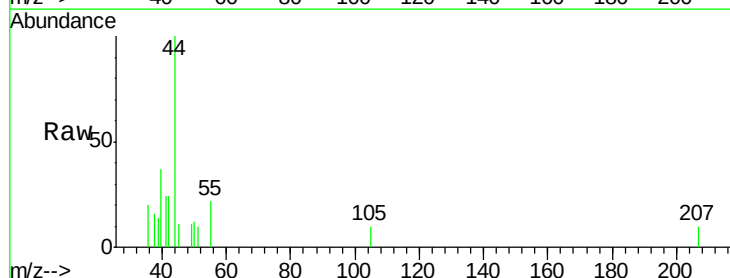
Tgt Ion: 49 Resp: 43

Ion Ratio Lower Upper

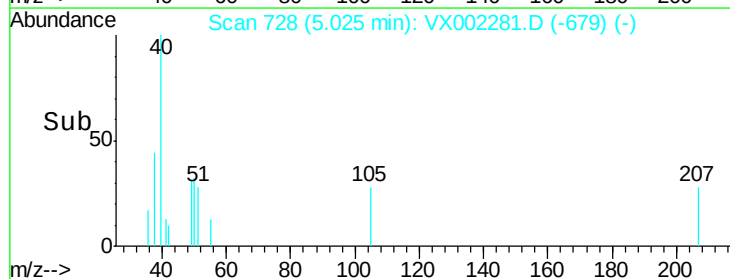
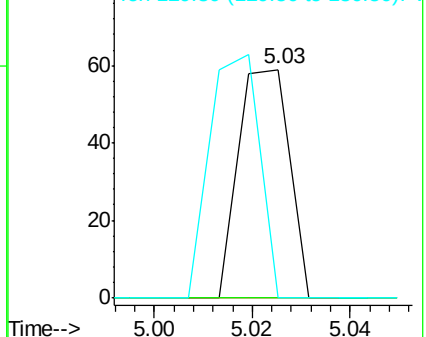
49 100

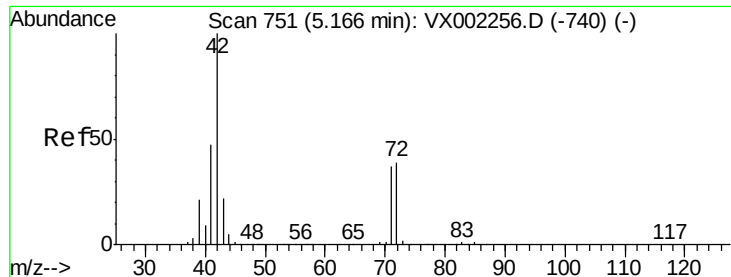
129 0.0 0.0 4.2

130 104.7 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: 0.55 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX002281.D

Acq: 05 Jun 2018 01:26

Instrument :

MSVOA_X

ClientSampled :

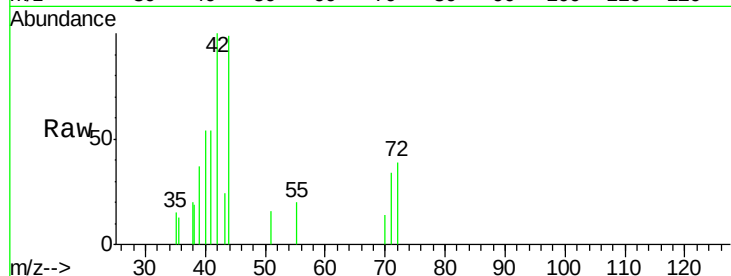
Tot Ion: 42 Resp: 844

Ion Ratio Lower Upper

42 100

72 49.9 32.0 48.0#

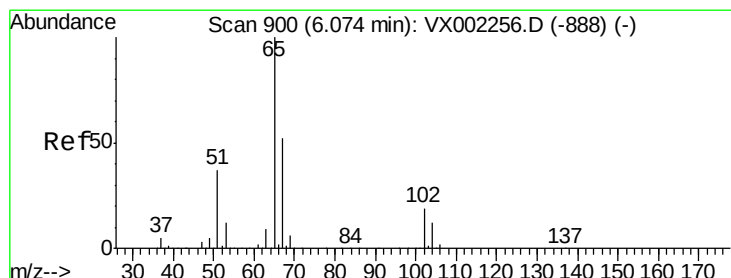
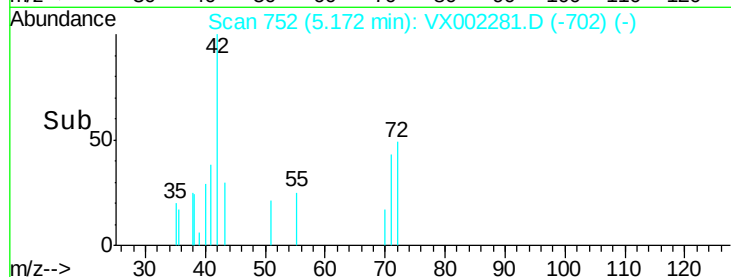
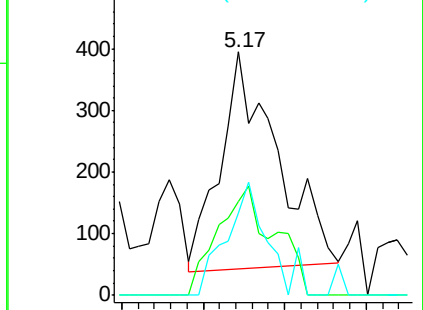
71 35.3 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.51 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002281.D

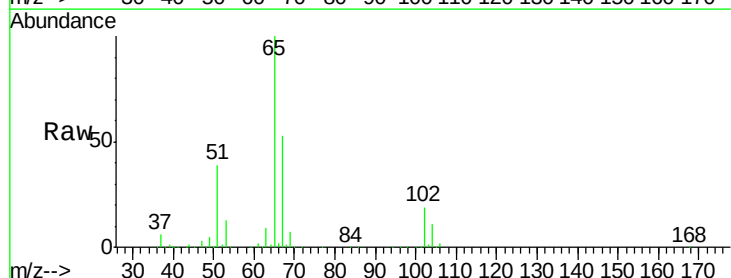
Acq: 05 Jun 2018 01:26

Tgt Ion: 65 Resp: 165428

Ion Ratio Lower Upper

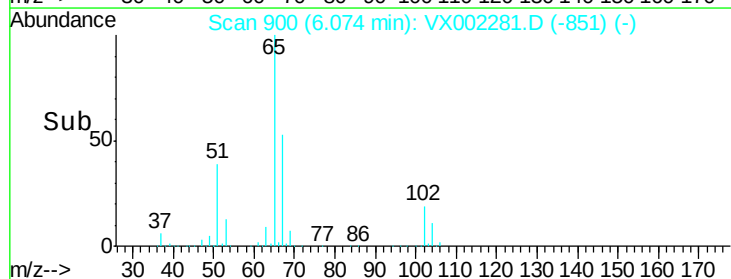
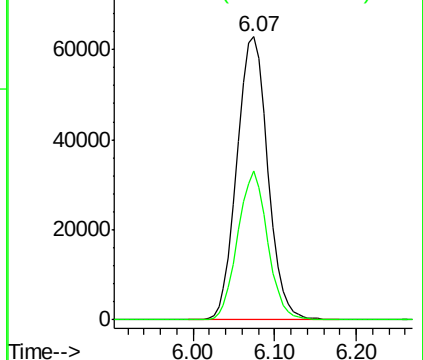
65 100

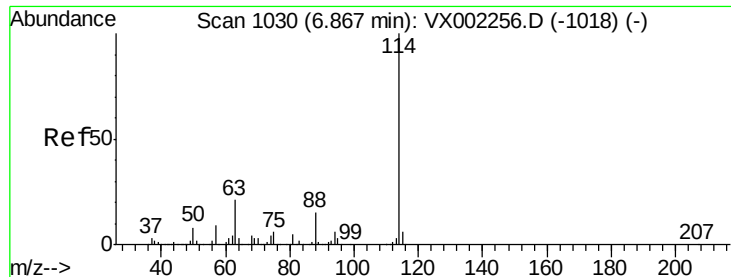
67 50.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002281.D

Acq: 05 Jun 2018 01:26

Instrument :
MSVOA_X
ClientSampleId :

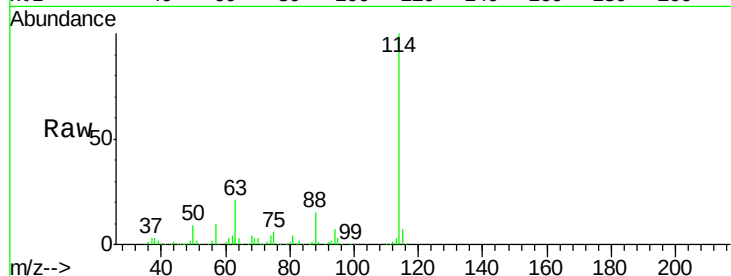
Tot Ion:114 Resp: 344349

Ion Ratio Lower Upper

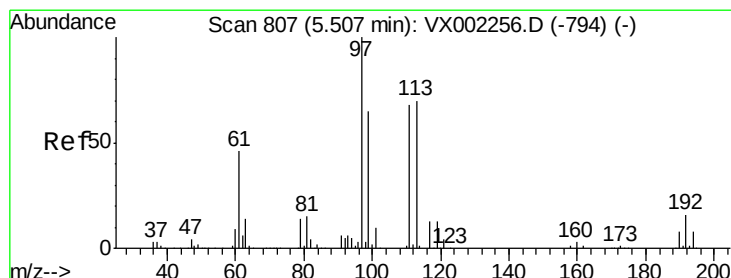
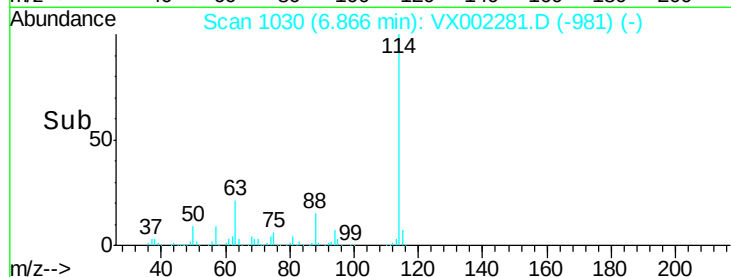
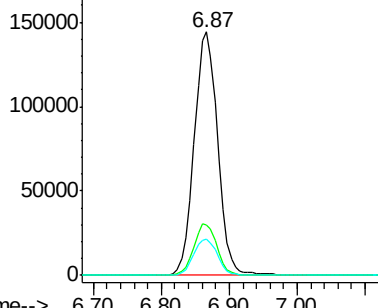
114 100

63 20.9 0.0 41.4

88 15.1 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: 44.32 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002281.D

Acq: 05 Jun 2018 01:26

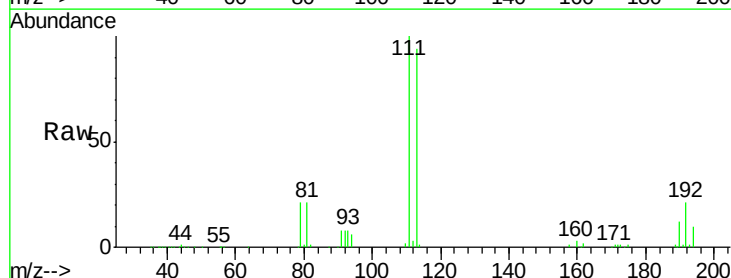
Tgt Ion:113 Resp: 120013

Ion Ratio Lower Upper

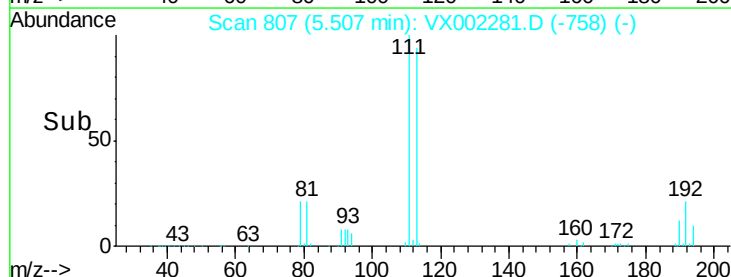
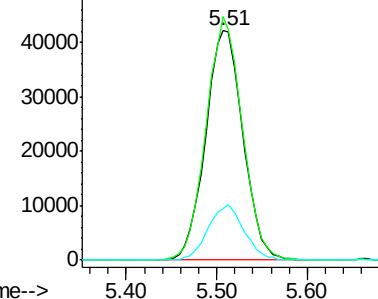
113 100

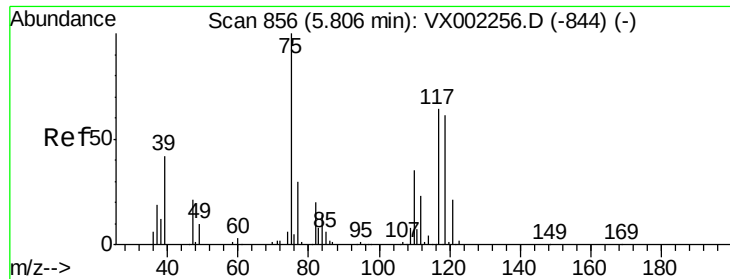
111 102.9 81.4 122.0

192 23.2 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

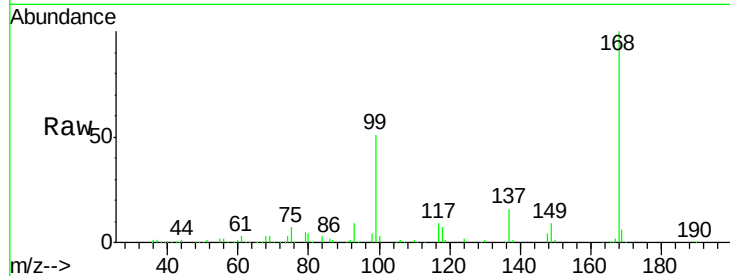




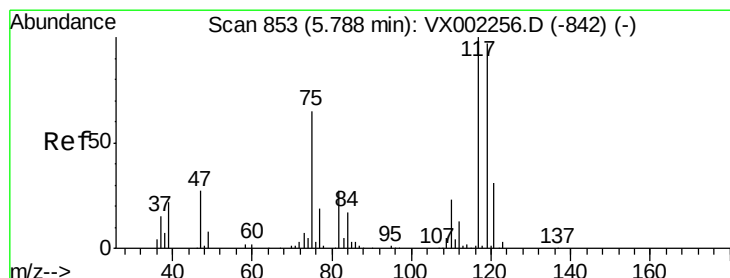
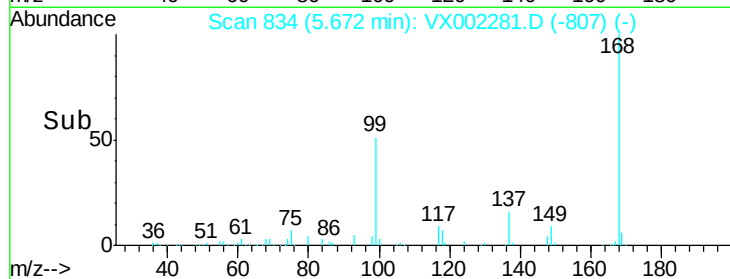
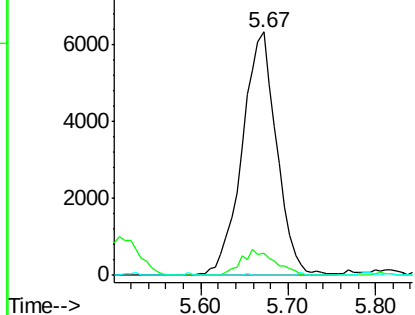
#36
 1,1-Dichloropropene
 Concen: 4.77 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002281.D
 Acq: 05 Jun 2018 01:26

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 17282
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.1 54.4#
 77 0.1 24.3 36.5#

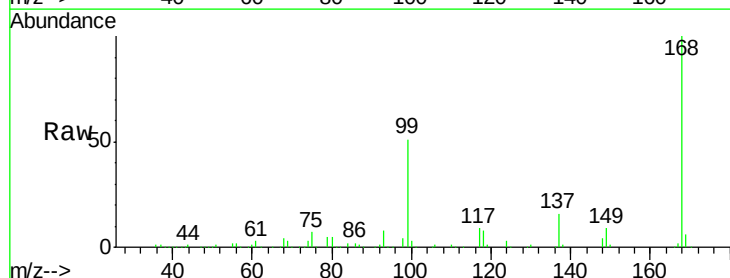


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

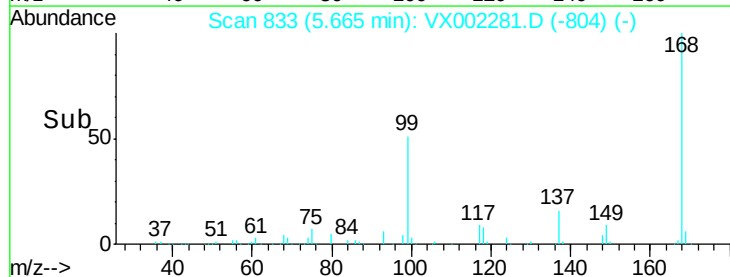
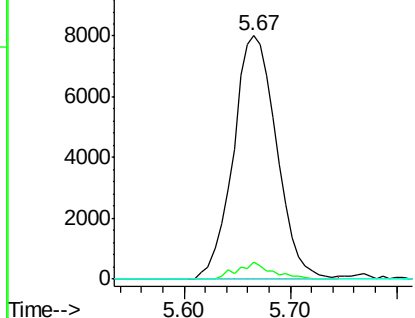


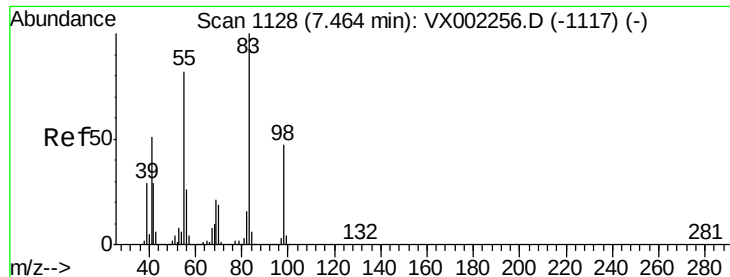
#38
 Carbon Tetrachloride
 Concen: 6.02 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002281.D
 Acq: 05 Jun 2018 01:26

Tgt Ion: 117 Resp: 22804
 Ion Ratio Lower Upper
 117 100
 119 6.8 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

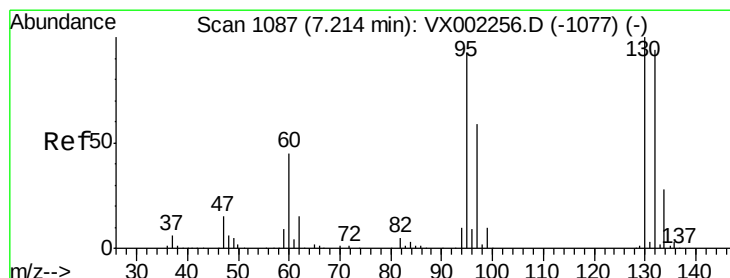
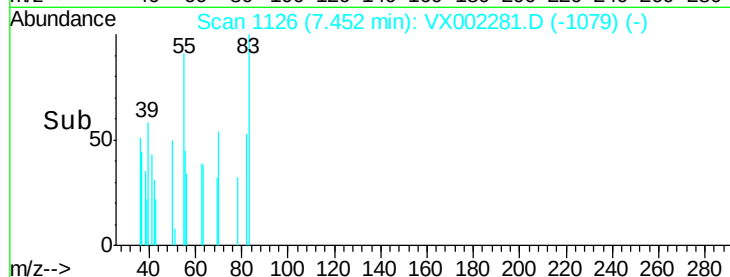
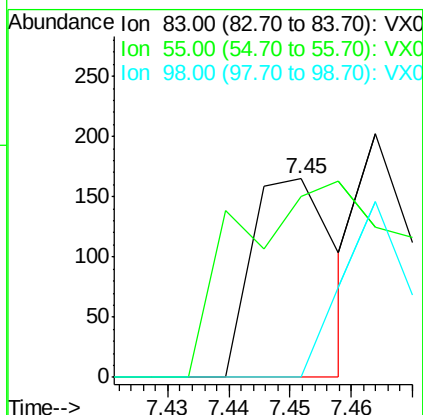
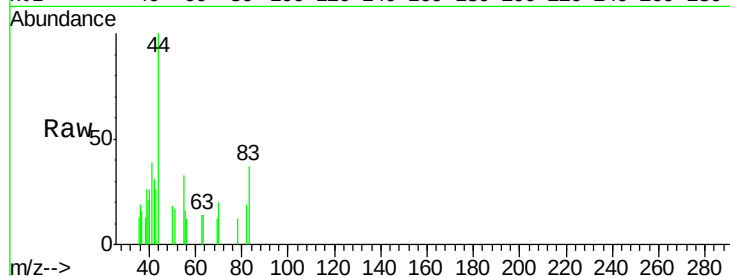




#39
Methylvlcyclohexane
Concen: 0.30 ug/l
RT: 7.45 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VX002281.D
Acq: 05 Jun 2018 01:26

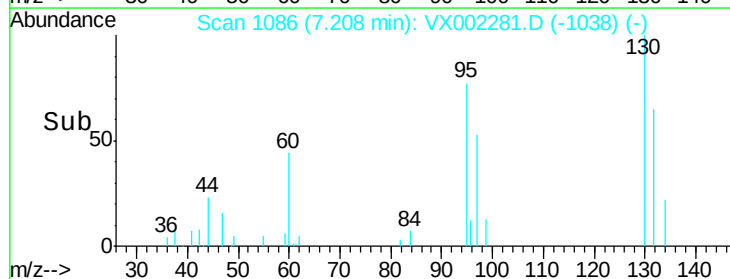
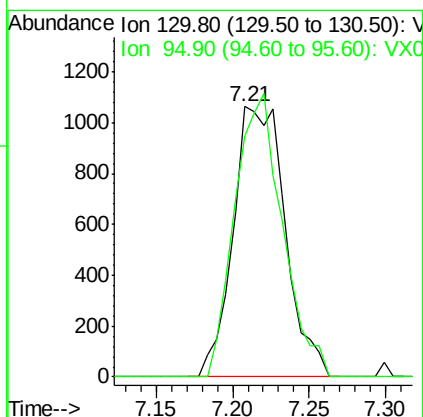
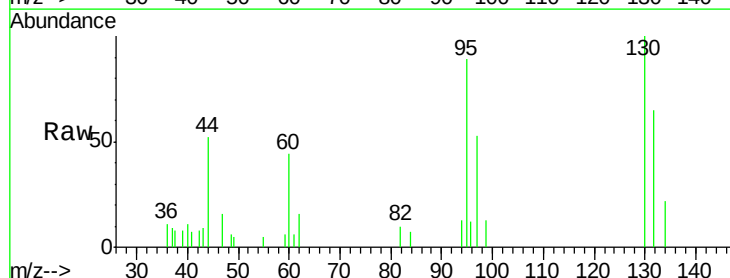
Instrument :
MSVOA_X
ClientSampled :

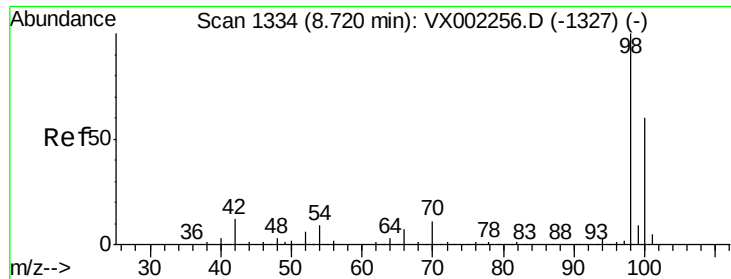
Tot Ion: 83 Resp: 156
Ion Ratio Lower Upper
83 100
55 90.9 65.4 98.0
98 0.0 37.4 56.0#



#44
Trichloroethene
Concen: 0.82 ug/l
RT: 7.21 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX002281.D
Acq: 05 Jun 2018 01:26

Tgt Ion:130 Resp: 2524
Ion Ratio Lower Upper
130 100
95 89.4 0.0 185.4

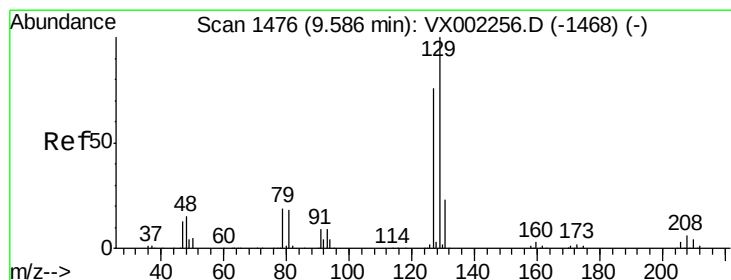
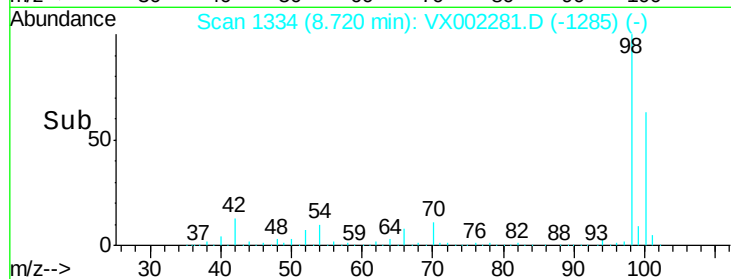
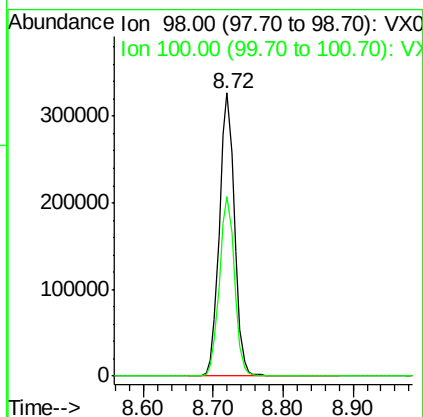
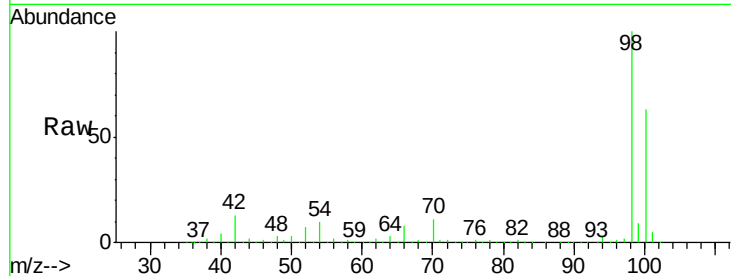




#50
Toluene-d8
Concen: 47.49 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002281.D
Acq: 05 Jun 2018 01:26

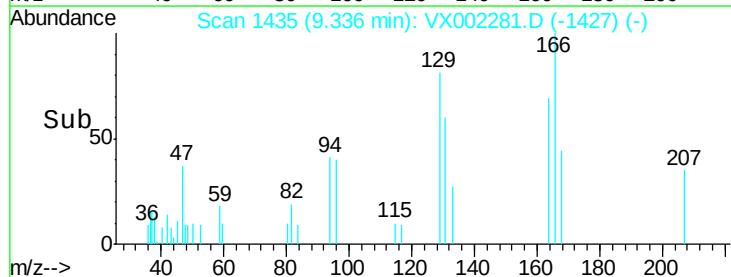
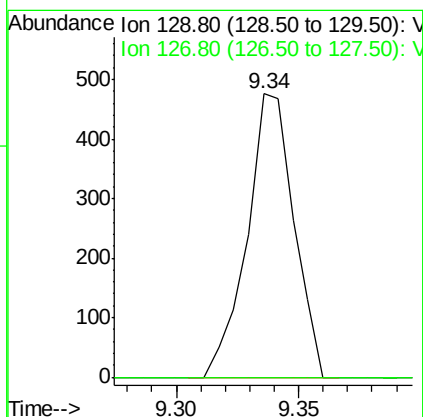
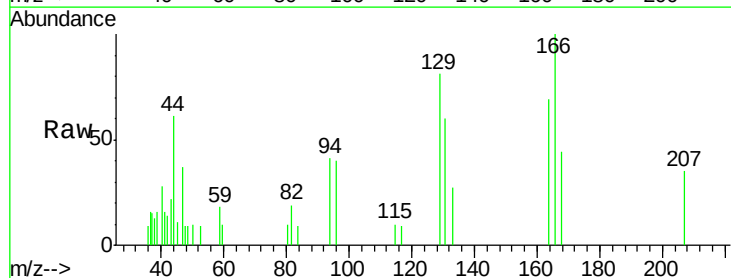
Instrument :
MSVOA_X
ClientSampleId :

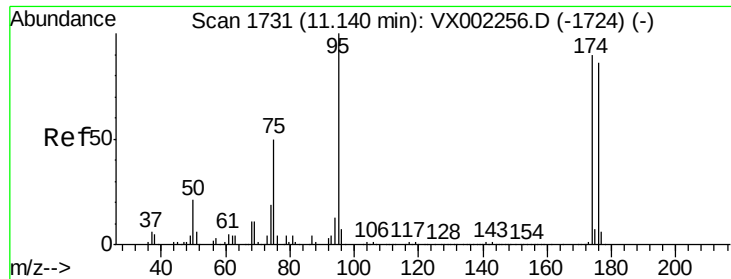
Tot Ion: 98 Resp: 492910
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3



#60
Dibromochloromethane
Concen: 0.22 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX002281.D
Acq: 05 Jun 2018 01:26

Tgt Ion:129 Resp: 637
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

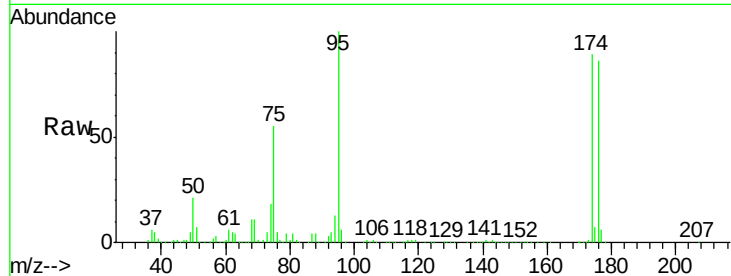




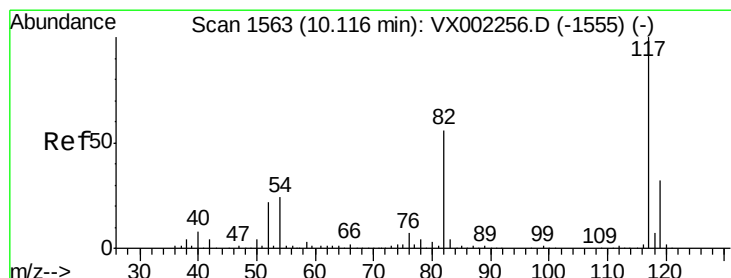
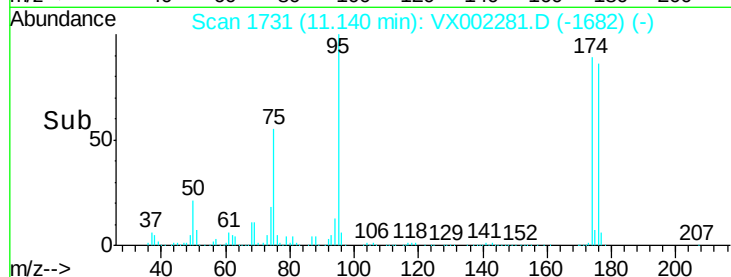
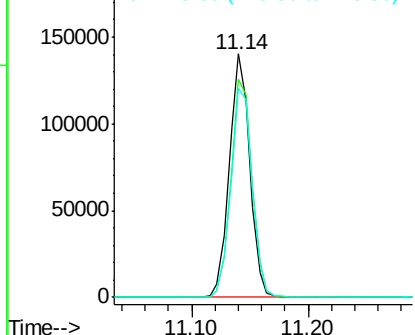
#62
4-Bromofluorobenzene
Concen: 42.76 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002281.D
Acq: 05 Jun 2018 01:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 171149
Ion Ratio Lower Upper
95 100
174 92.9 0.0 187.4
176 89.9 0.0 181.0

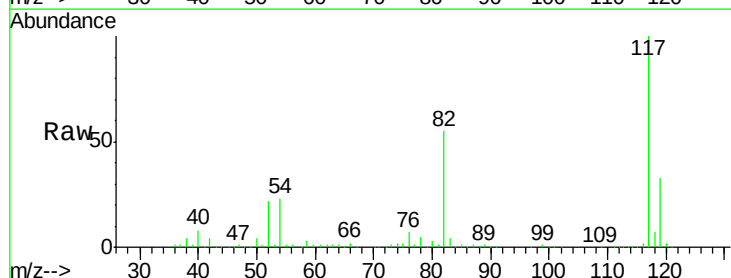


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

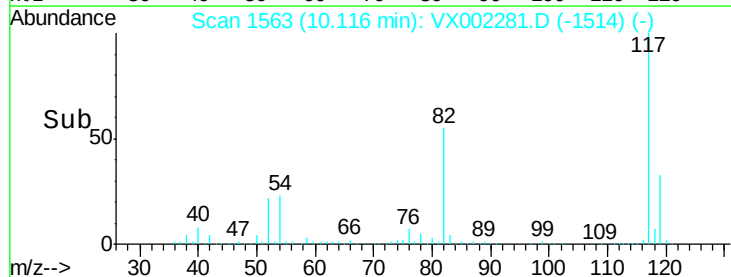
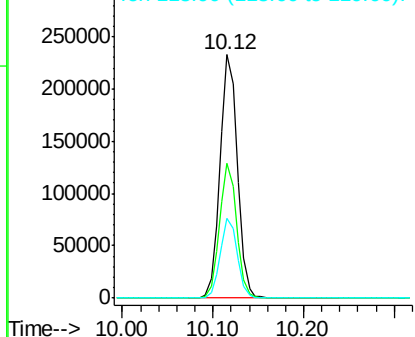


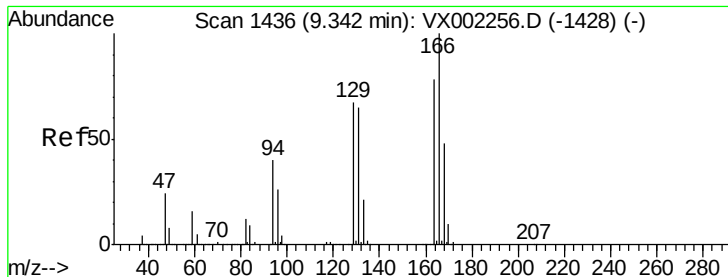
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002281.D
Acq: 05 Jun 2018 01:26

Tgt Ion: 117 Resp: 312046
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.4
119 32.7 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





#64

Tetrachloroethene

Concen: 0.20 ug/l

RT: 9.34 min Scan# 1436

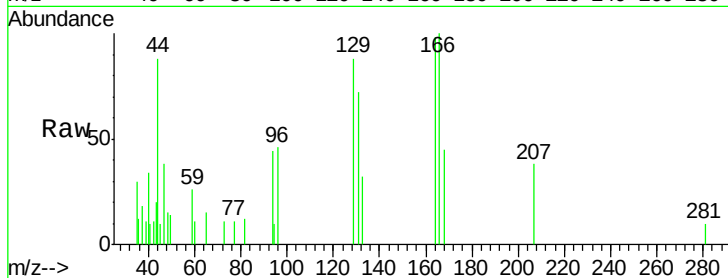
Delta R.T. -0.00 min

Lab File: VX002281.D

Acq: 05 Jun 2018 01:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	164	Resp:	646
Ion	Ratio	Lower	Upper
164	100		
166	102.3	102.9	154.3#
129	90.3	68.6	102.8
131	73.5	66.8	100.2

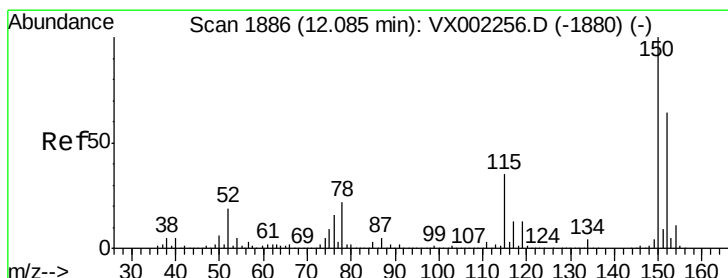
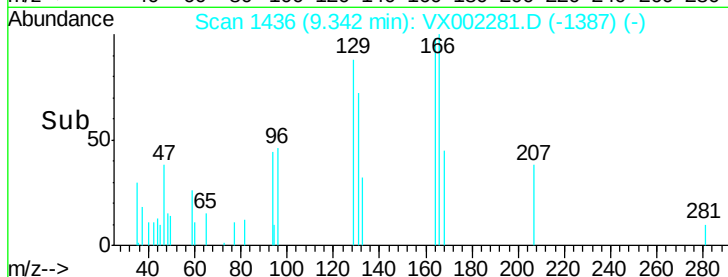
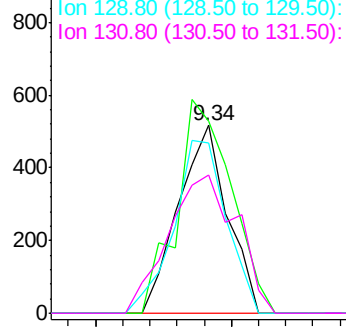


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

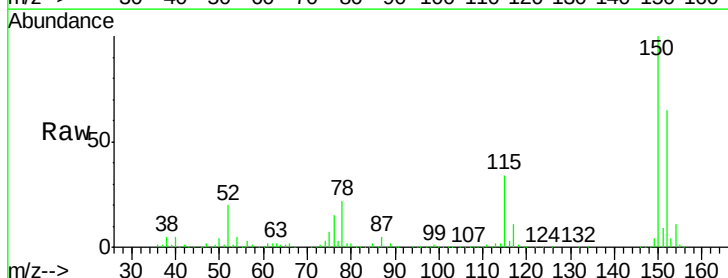
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002281.D

Acq: 05 Jun 2018 01:26

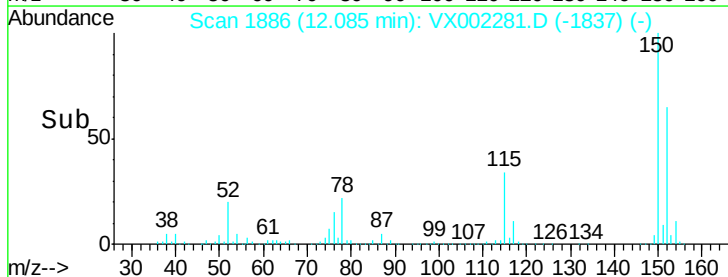
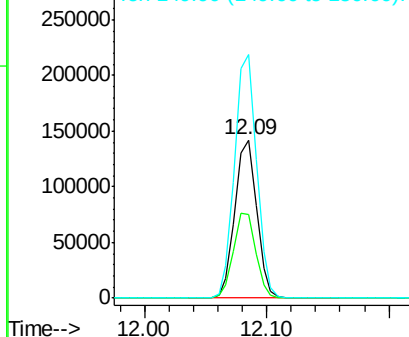
Tgt Ion:	152	Resp:	174601
Ion	Ratio	Lower	Upper
152	100		
115	55.2	40.1	120.2
150	155.6	0.0	347.2

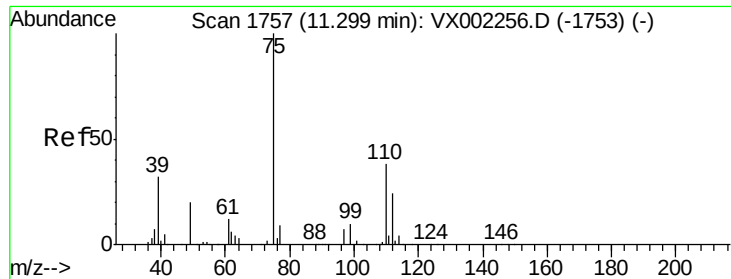


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

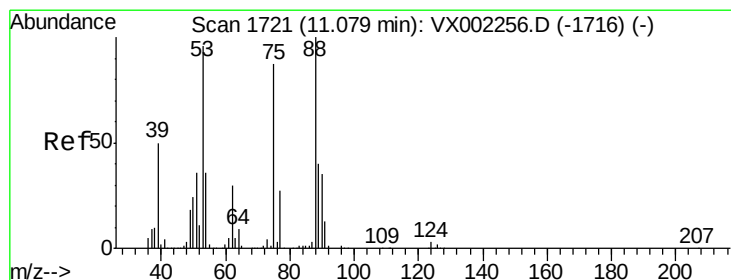
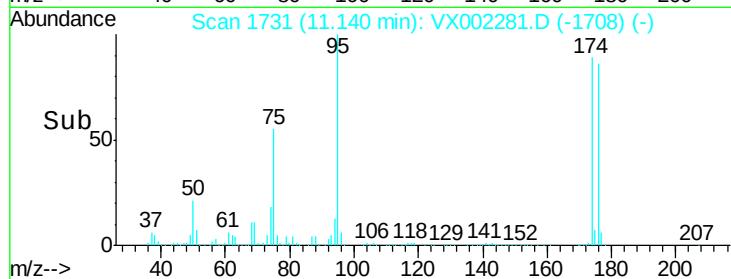
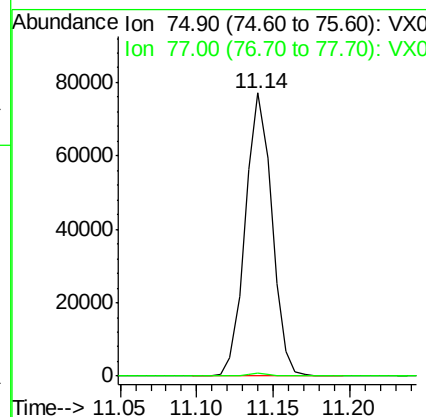
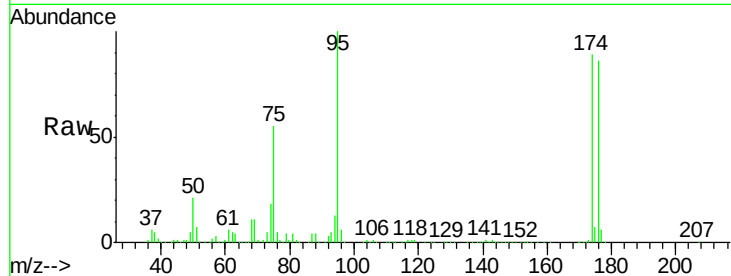




#76
 1,2,3-Trichloropropane
 Concen: 24.30 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002281.D
 Acq: 05 Jun 2018 01:26

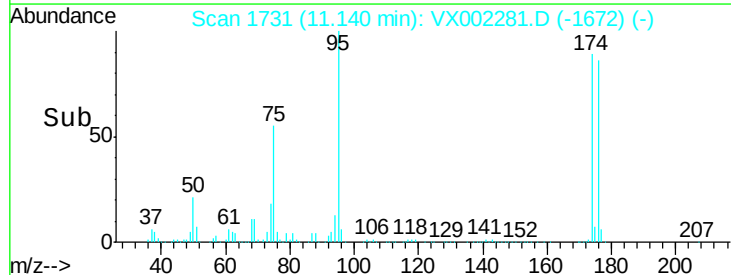
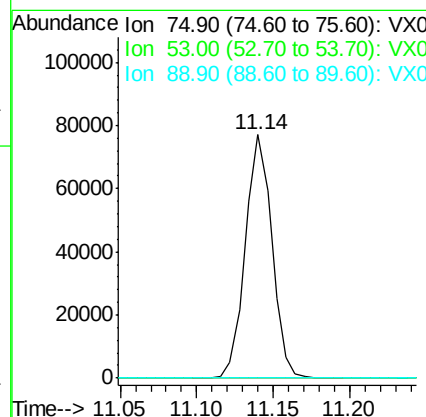
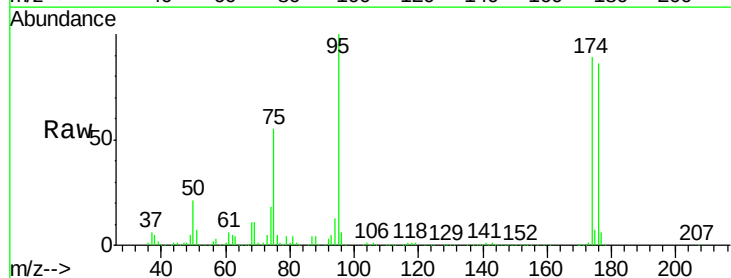
Instrument :
 MSVOA_X
 ClientSampleId :

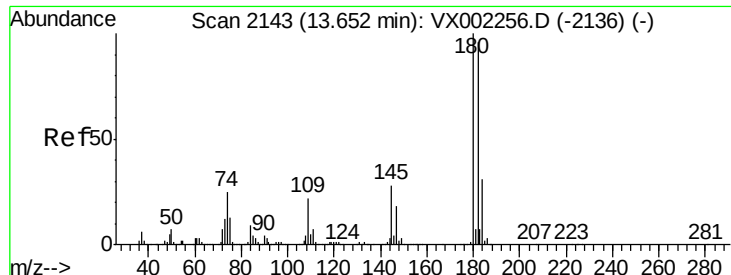
Tot Ion: 75 Resp: 93114
 Ion Ratio Lower Upper
 75 100
 77 1.1 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.19 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002281.D
 Acq: 05 Jun 2018 01:26

Tgt Ion: 75 Resp: 93114
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.8 130.2#
 89 0.0 38.2 57.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.23 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. -0.01 min

Lab File: VX002281.D

Acq: 05 Jun 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

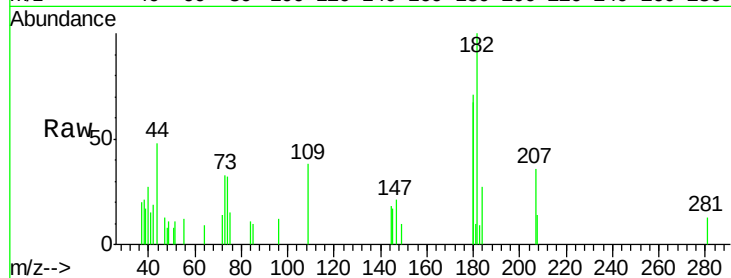
Tot Ion:180 Resp: 1002

Ion Ratio Lower Upper

180 100

182 83.9 47.7 143.1

145 27.3 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

