

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002040.D
 Acq On : 27 May 2018 01:39
 Operator : JC/MD
 Sample : VX0526WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 28 00:42:06 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	315099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	439658	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	388730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	209260	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	260735	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
35) Dibromofluoromethane	5.51	113	202674	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
50) Toluene-d8	8.72	98	769596	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
62) 4-Bromofluorobenzene	11.14	95	269235	43.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.46%	

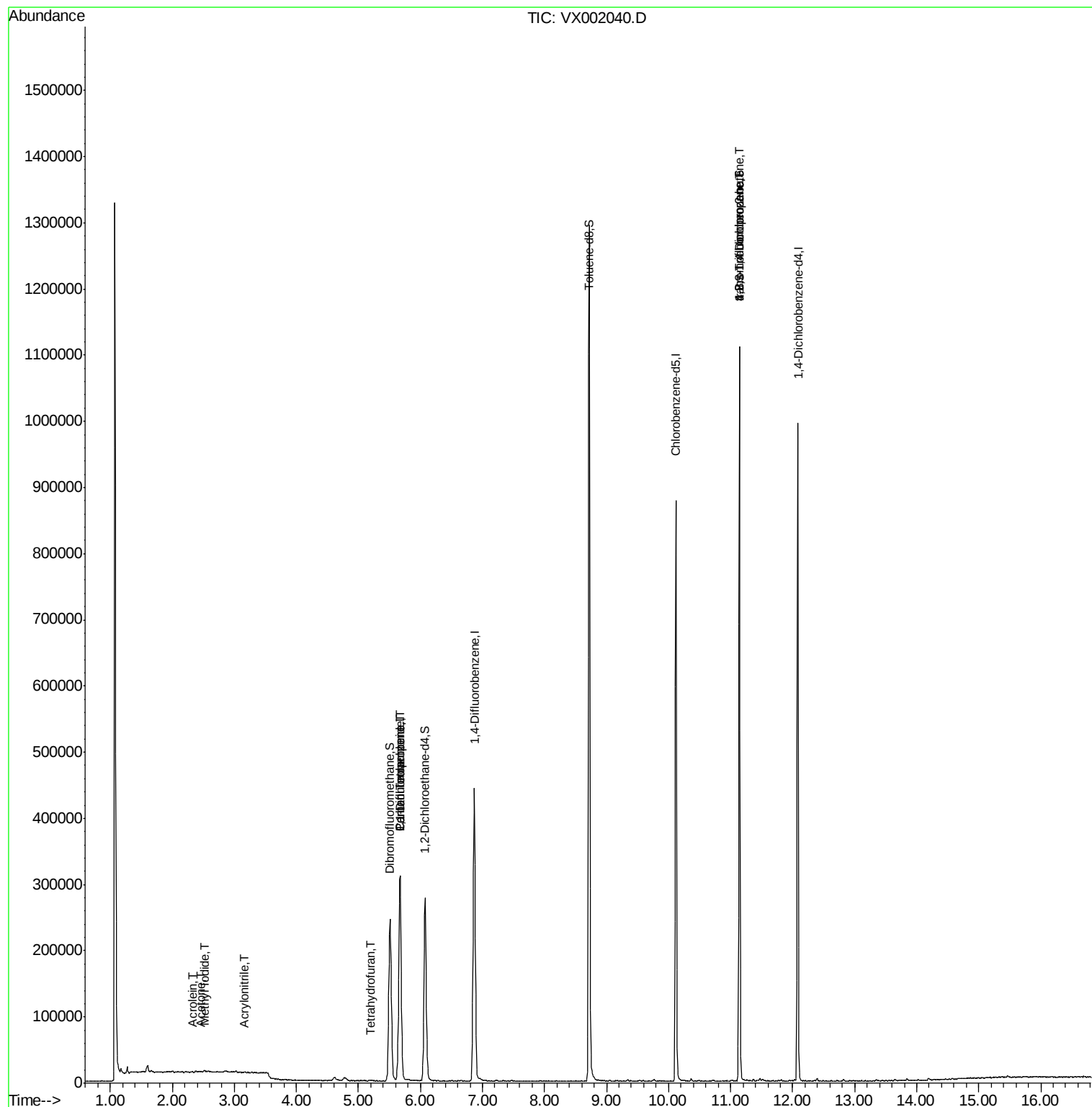
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.20	85	260	Below Cal	#	57
5) Bromomethane	1.65	94	1979	Below Cal	#	69
10) Methyl Iodide	2.52	142	2812	0.53	ug/l	# 92
13) Acrolein	2.32	56	147	0.31	ug/l	# 1
15) Acrylonitrile	3.15	53	527	0.23	ug/l	# 89
16) Acetone	2.45	43	1018	0.47	ug/l	# 55
18) Methyl Acetate	2.76	43	233	Below Cal	#	55
20) Methylene Chloride	2.87	84	644	Below Cal	#	44
21) trans-1,2-Dichloroethene	3.17	96	143	Below Cal	#	53
28) Bromochloromethane	5.03	49	87	Below Cal	#	14
29) Tetrahydrofuran	5.19	42	1077	0.42	ug/l	# 85
36) 1,1-Dichloropropene	5.67	75	21754	3.56	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	28782	4.04	ug/l	# 15
41) Methacrylonitrile	5.06	41	52	Below Cal	#	1
74) N-amyl acetate	6.47	43	35	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.23	83	38	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	140671	27.99	ug/l	# 33
79) 2-Chlorotoluene	11.41	91	669	Below Cal		96
81) trans-1,4-Dichloro-2-buten	11.14	75	140671	67.26	ug/l	# 10

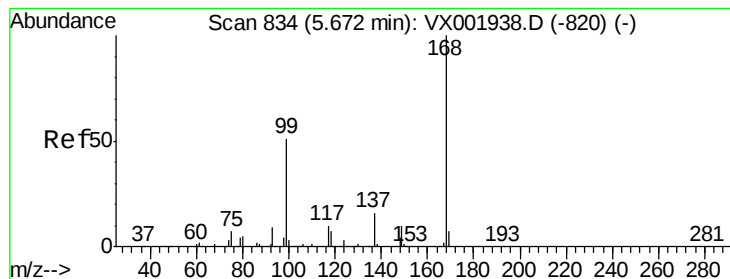
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX002040.D

Acq: 27 May 2018 01:39

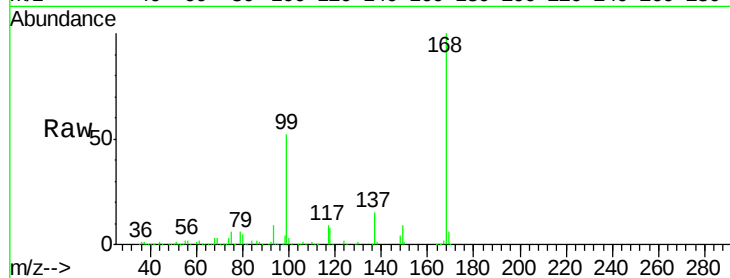
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 315099

Ion Ratio Lower Upper

168 100

99 51.8 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

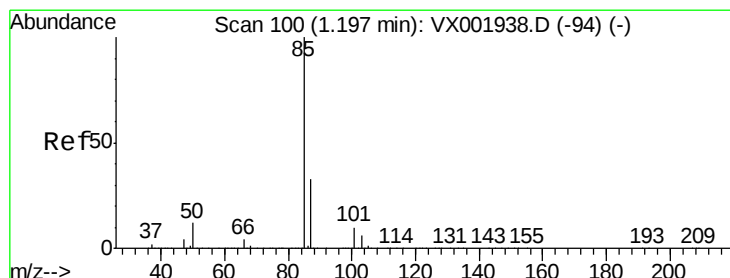
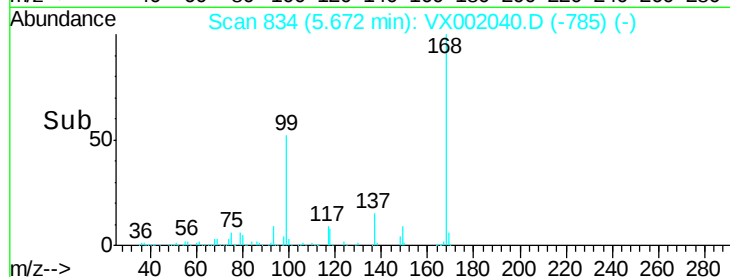
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002040.D

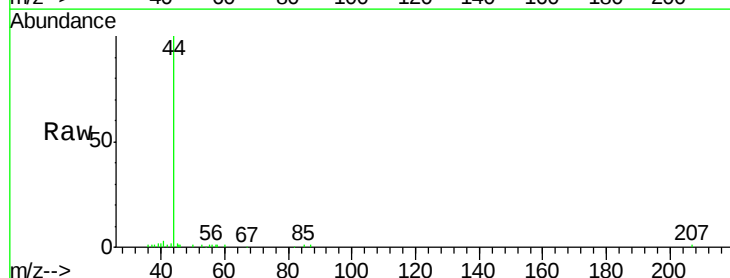
Acq: 27 May 2018 01:39

Tgt Ion: 85 Resp: 260

Ion Ratio Lower Upper

85 100

87 57.7 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200

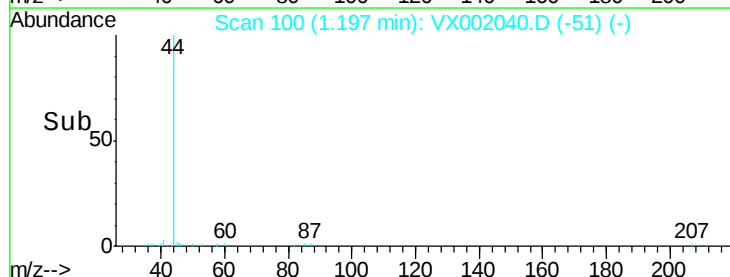
150

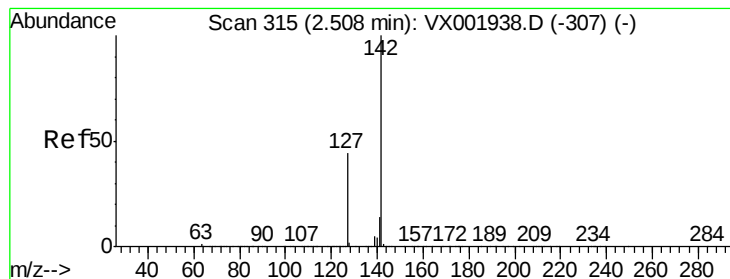
100

50

0

Time--> 1.20 1.25





#10

Methvl Iodide

Concen: 0.53 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002040.D

Acq: 27 May 2018 01:39

Instrument :

MSVOA_X

ClientSampleId :

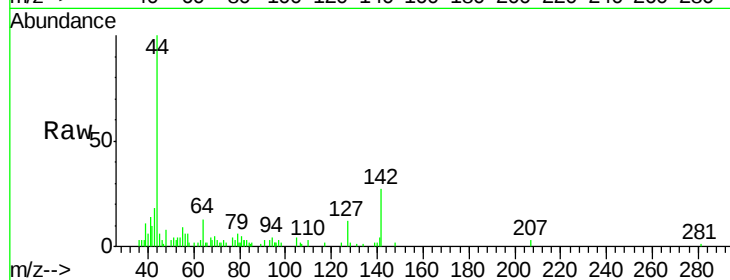
Tot Ion:142 Resp: 2812

Ion Ratio Lower Upper

142 100

127 47.5 35.5 53.3

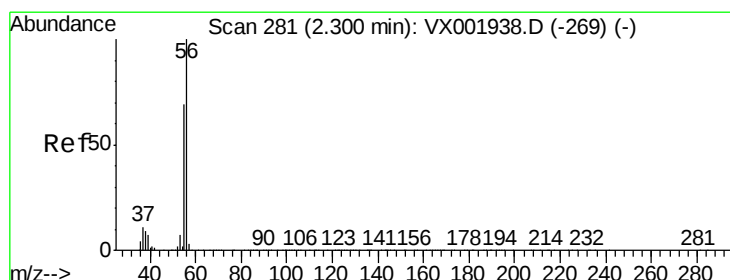
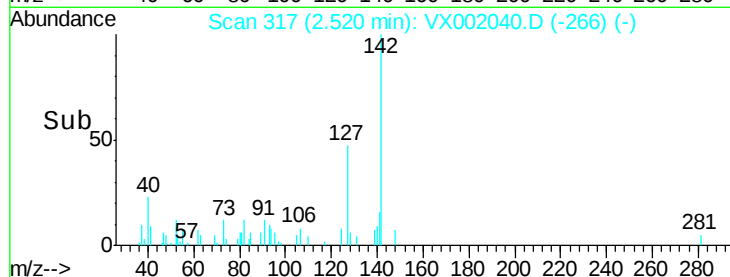
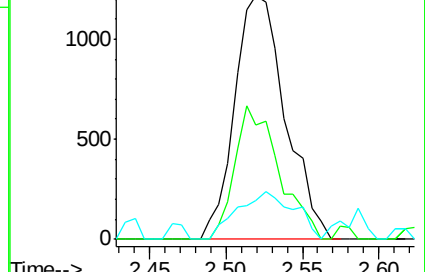
141 21.9 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 0.31 ug/l

RT: 2.32 min Scan# 284

Delta R.T. 0.02 min

Lab File: VX002040.D

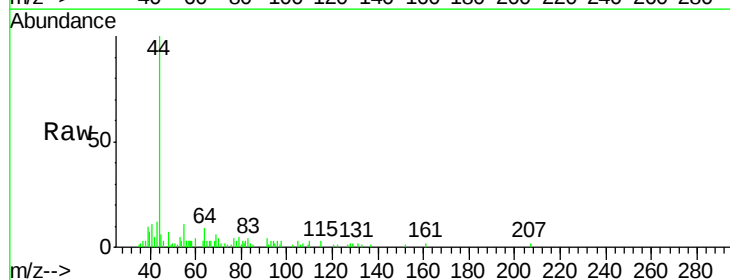
Acq: 27 May 2018 01:39

Tgt Ion: 56 Resp: 147

Ion Ratio Lower Upper

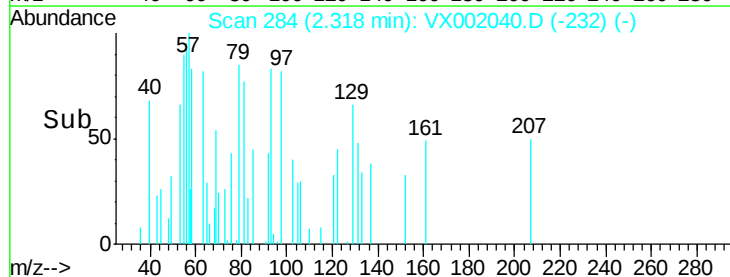
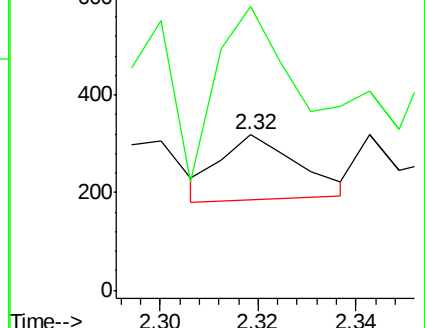
56 100

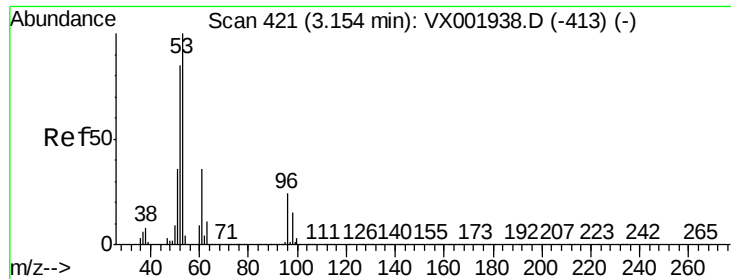
55 291.2 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

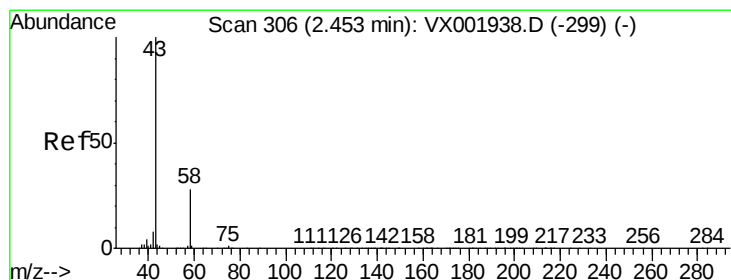
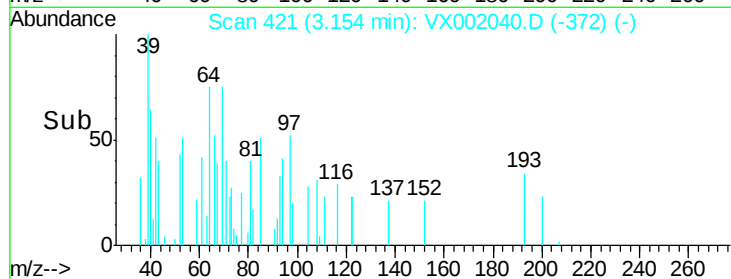
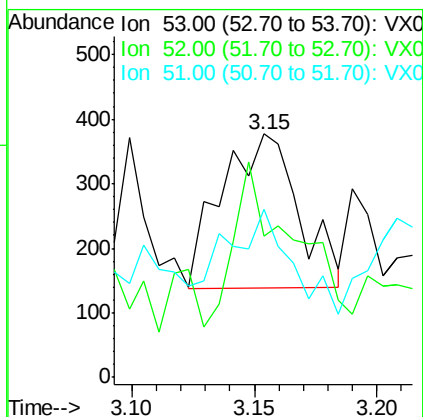
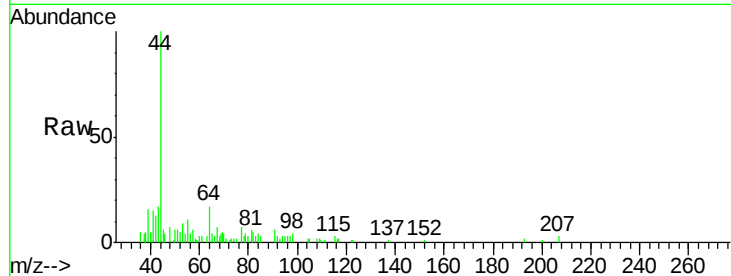




#15
Acrylonitrile
Concen: 0.23 ug/l
RT: 3.15 min Scan# 421
Delta R.T. -0.00 min
Lab File: VX002040.D
Acq: 27 May 2018 01:39

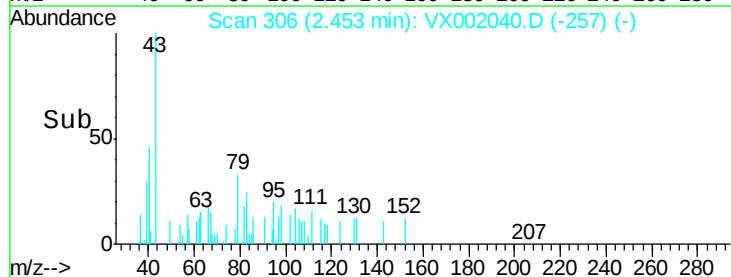
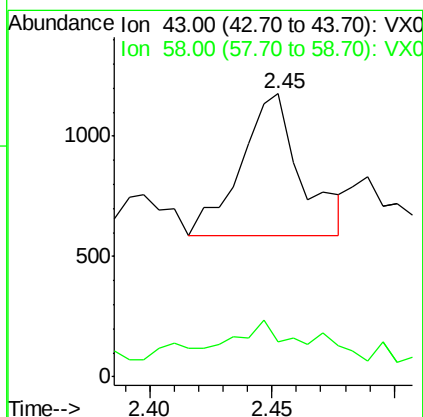
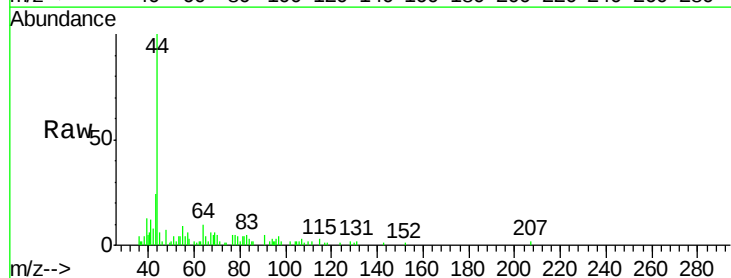
Instrument :
MSVOA_X
ClientSampleId :

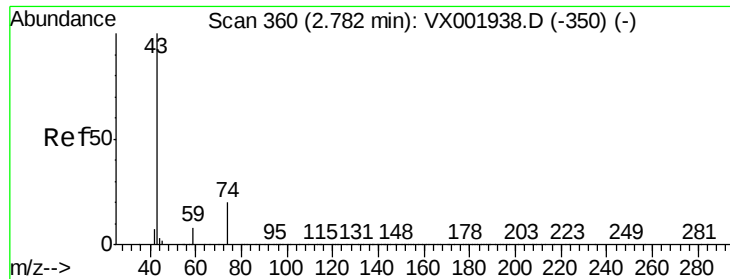
Tot Ion: 53 Resp: 527
Ion Ratio Lower Upper
53 100
52 81.8 66.4 99.6
51 55.8 29.3 43.9#



#16
Acetone
Concen: 0.47 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX002040.D
Acq: 27 May 2018 01:39

Tgt Ion: 43 Resp: 1018
Ion Ratio Lower Upper
43 100
58 4.4 22.3 33.5#

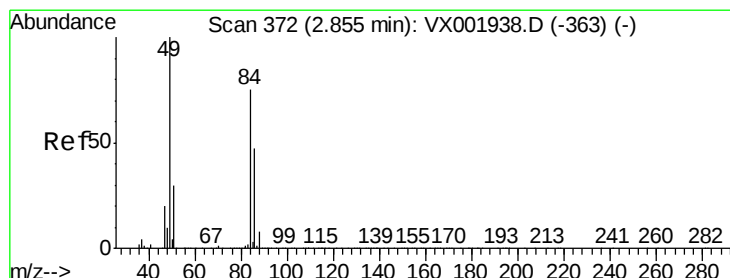
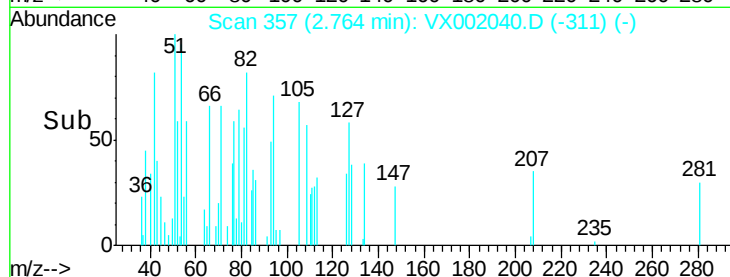
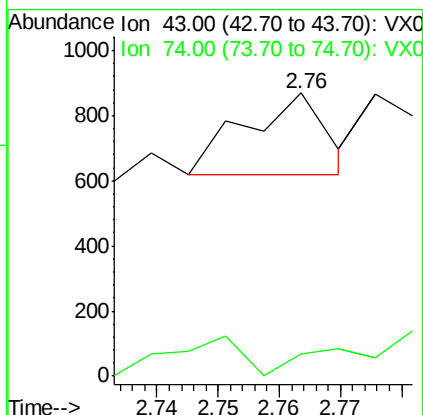
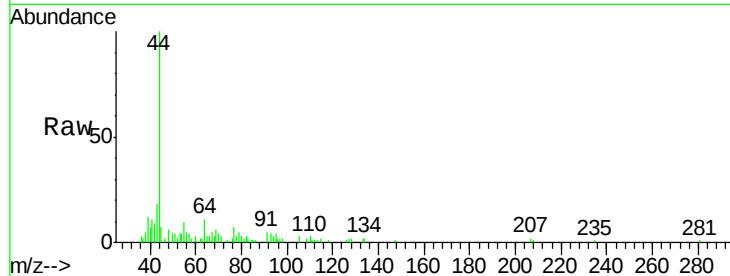




#18
Methyl Acetate
Concen: Below Cal
RT: 2.76 min Scan# 357
Delta R.T. -0.02 min
Lab File: VX002040.D
Acq: 27 May 2018 01:39

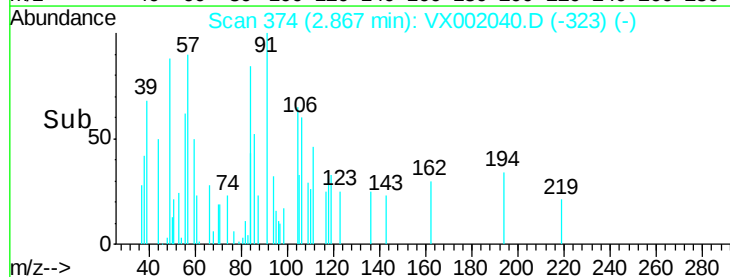
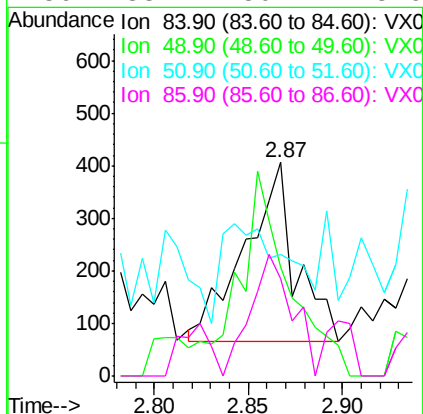
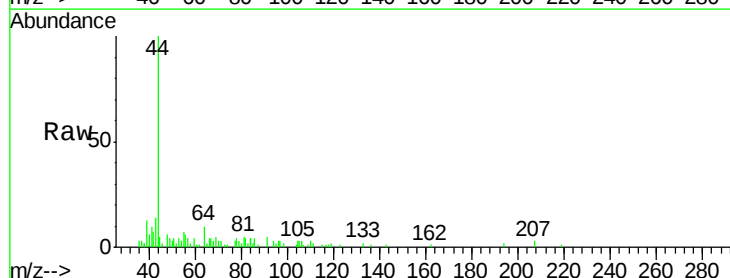
Instrument :
MSVOA_X
ClientSampleId :

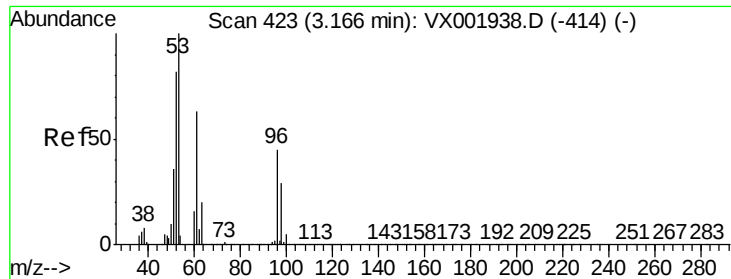
Tot Ion: 43 Resp: 233
Ion Ratio Lower Upper
43 100
74 42.1 16.8 25.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX002040.D
Acq: 27 May 2018 01:39

Tgt Ion: 84 Resp: 644
Ion Ratio Lower Upper
84 100
49 45.2 107.2 160.8#
51 25.8 32.4 48.6#
86 33.1 50.4 75.6#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.17 min Scan# 424

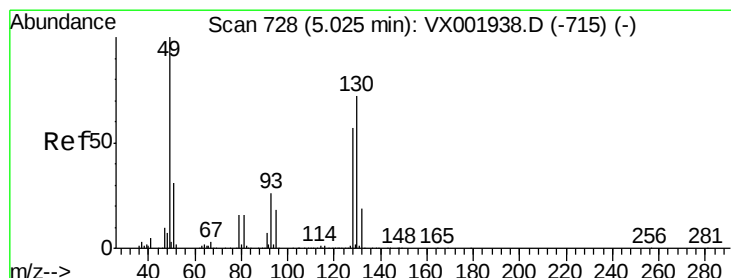
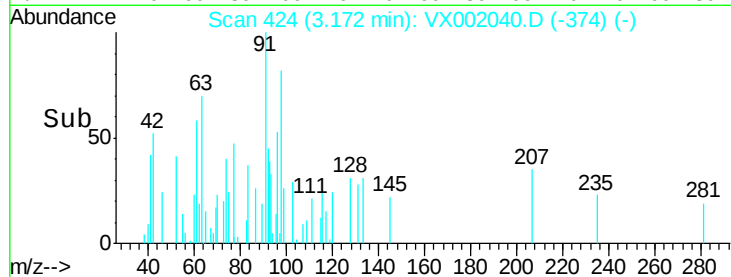
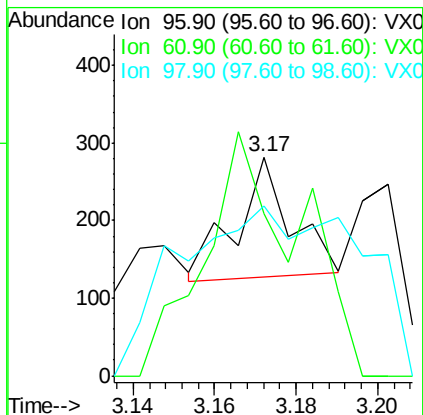
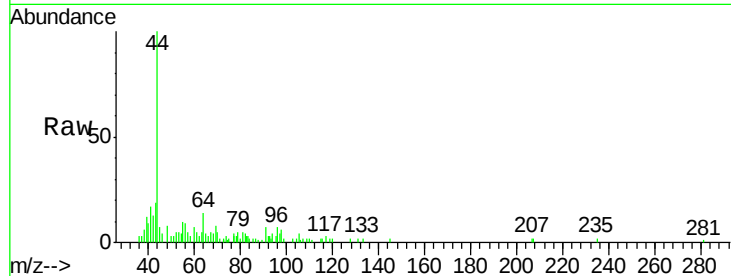
Delta R.T. 0.01 min

Lab File: VX002040.D

Acq: 27 May 2018 01:39

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 143
Ion Ratio Lower Upper
96 100
61 70.5 113.3 169.9#
98 47.7 51.7 77.5#



#28

Bromochloromethane

Concen: Below Cal

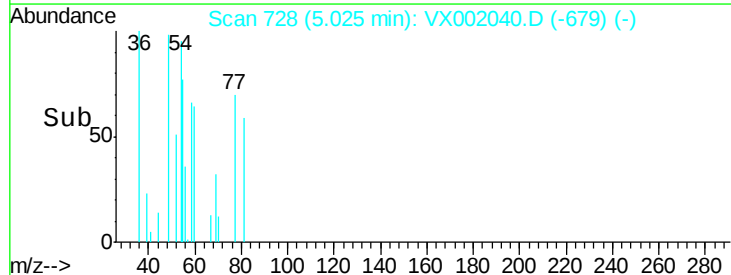
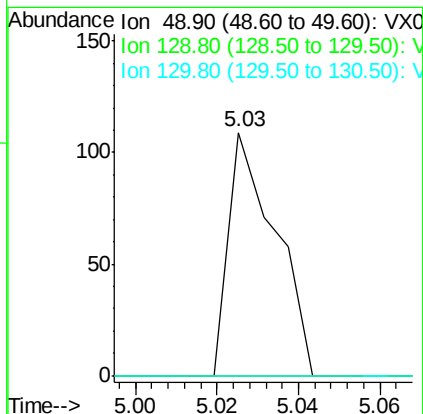
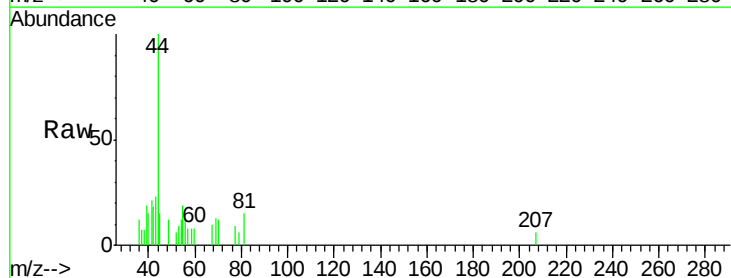
RT: 5.03 min Scan# 728

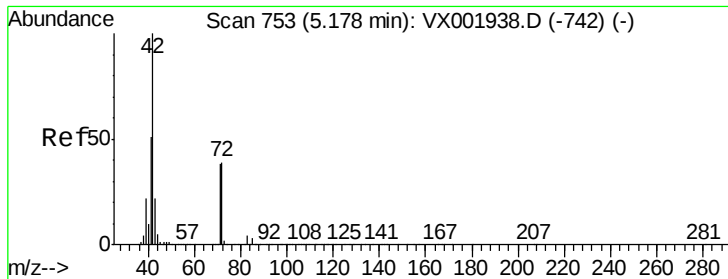
Delta R.T. 0.00 min

Lab File: VX002040.D

Acq: 27 May 2018 01:39

Tgt Ion: 49 Resp: 87
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 59.4 89.2#





#29

Tetrahydrofuran

Concen: 0.42 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX002040.D

Acq: 27 May 2018 01:39

Instrument :

MSVOA_X

ClientSampleId :

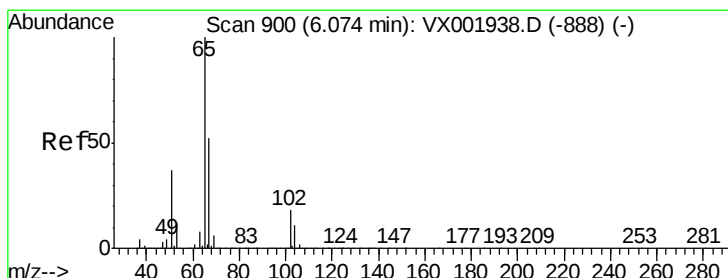
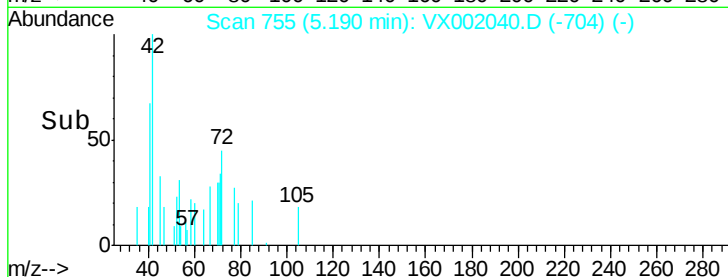
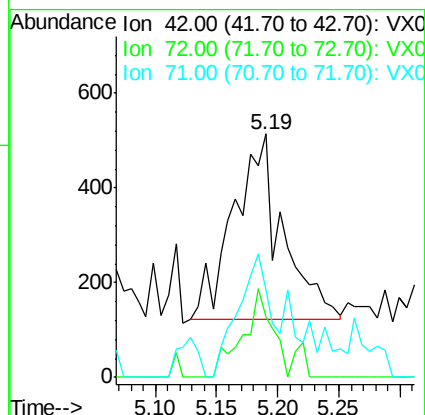
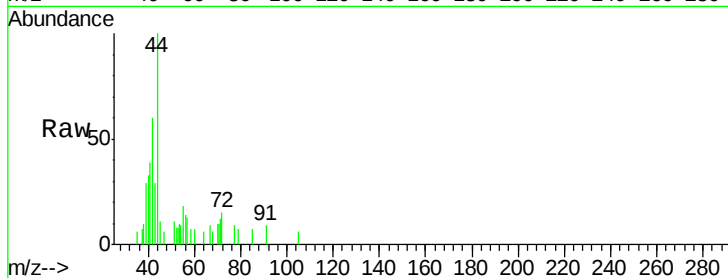
Tot Ion: 42 Resp: 1077

Ion Ratio Lower Upper

42 100

72 29.2 31.4 47.0#

71 45.2 29.5 44.3#



#33

1,2-Dichloroethane-d4

Concen: 46.29 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002040.D

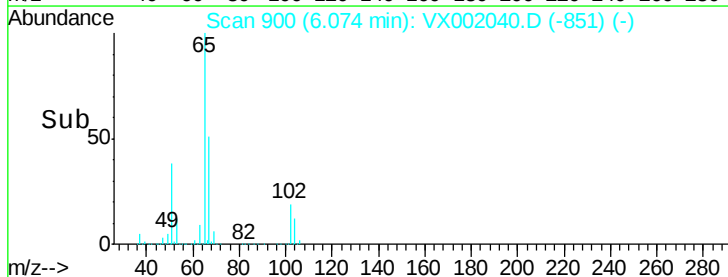
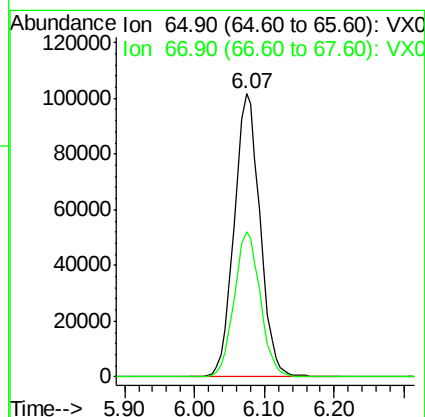
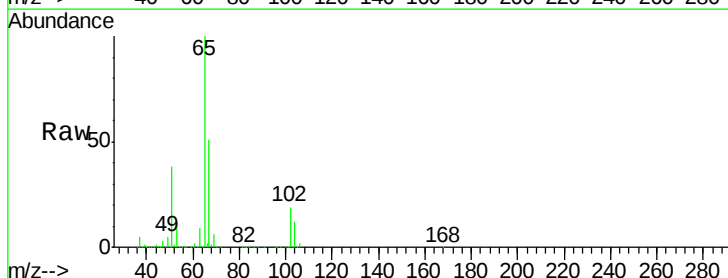
Acq: 27 May 2018 01:39

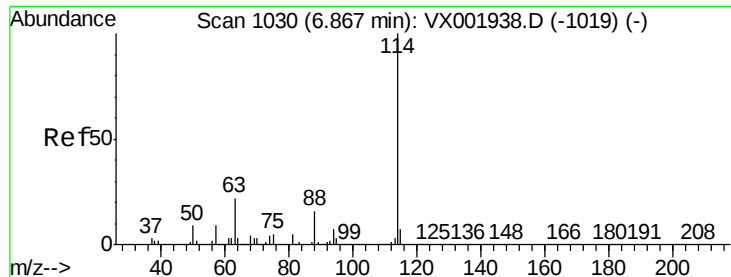
Tgt Ion: 65 Resp: 260735

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002040.D

Acq: 27 May 2018 01:39

Instrument :

MSVOA_X

ClientSampleId :

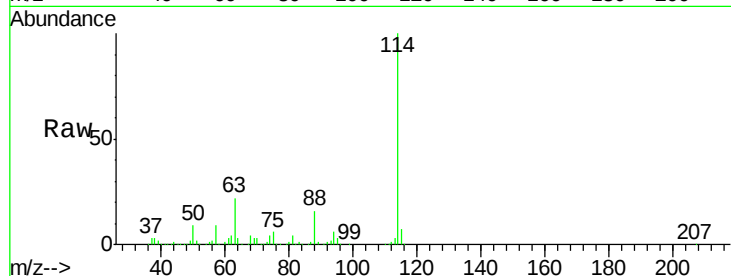
Tot Ion:114 Resp: 439658

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

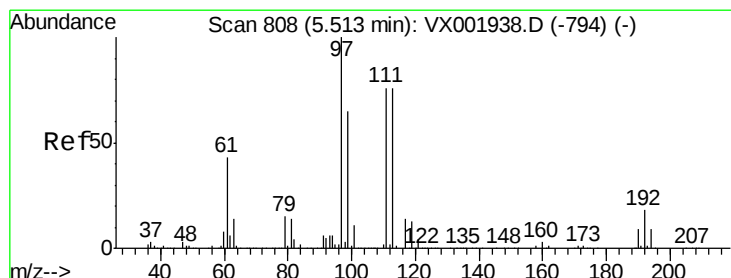
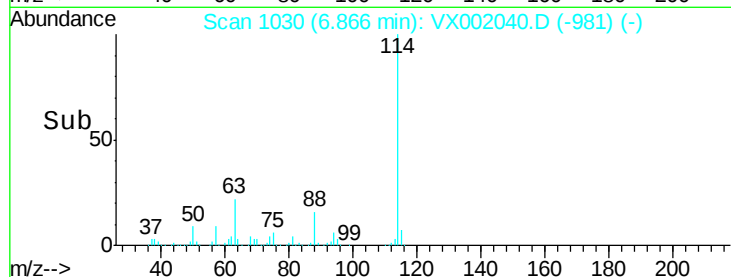
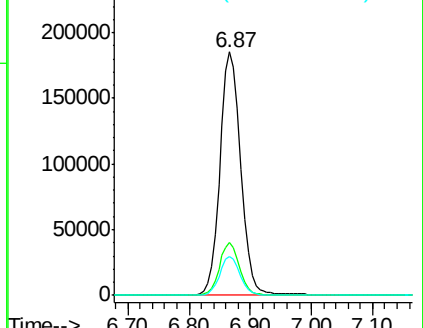
88 16.1 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.10 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002040.D

Acq: 27 May 2018 01:39

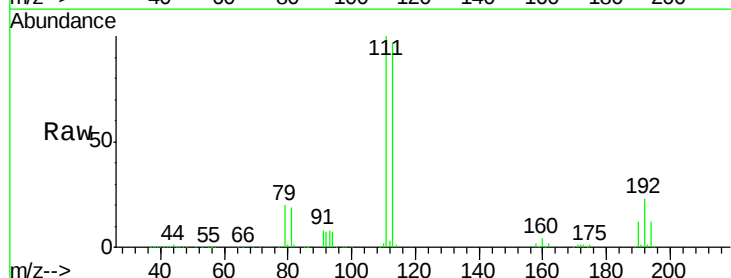
Tgt Ion:113 Resp: 202674

Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

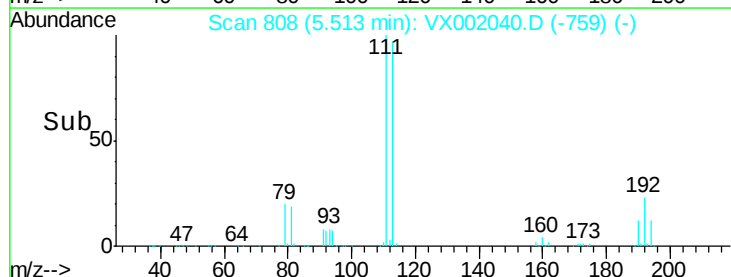
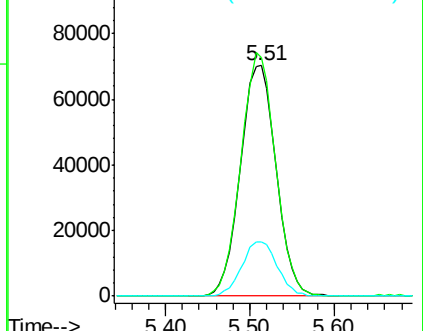
192 23.5 18.9 28.3

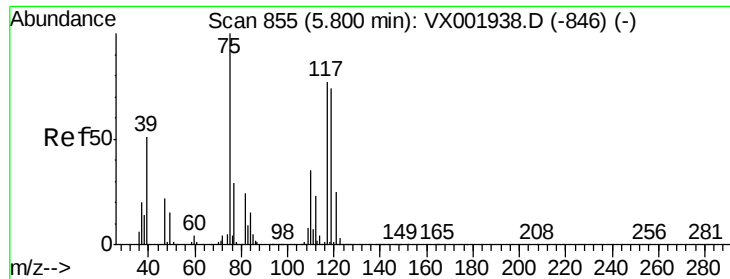


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

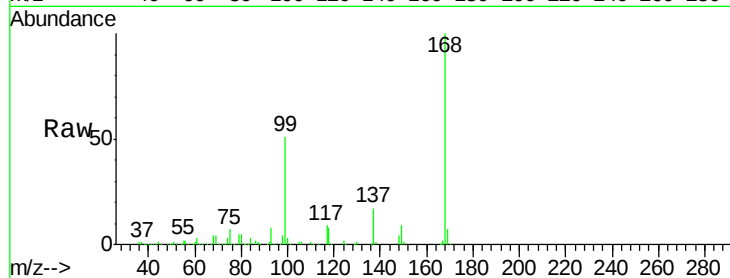




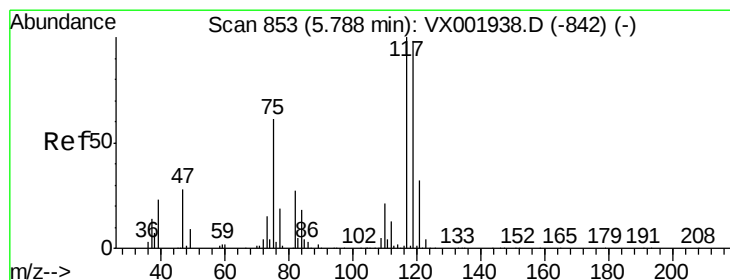
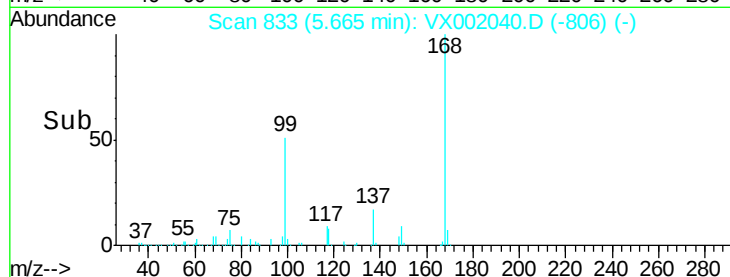
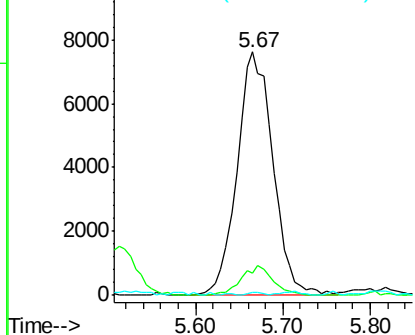
#36
 1,1-Dichloropropene
 Concen: 3.56 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002040.D
 Acq: 27 May 2018 01:39

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	17.4	52.2#
77	0.6	24.4	36.6#

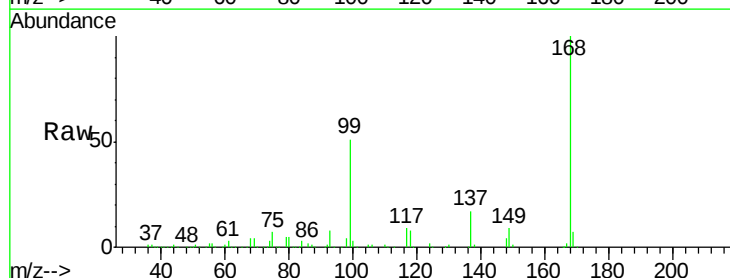


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

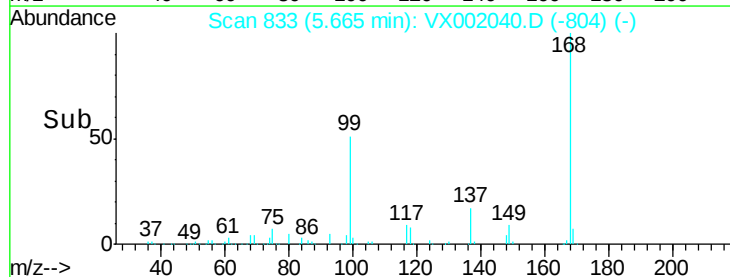
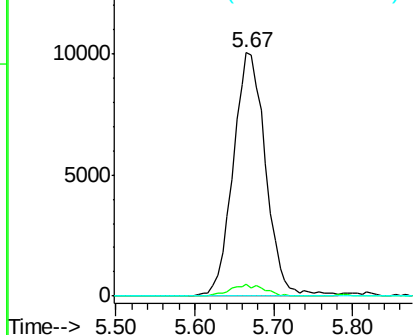


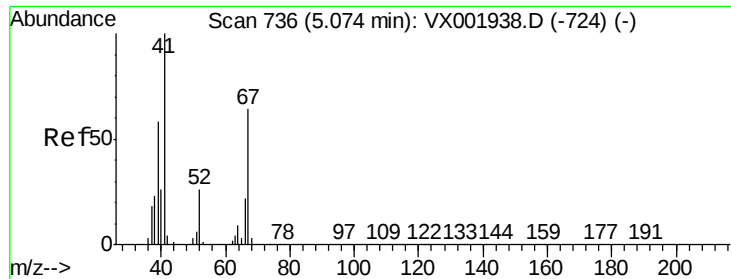
#38
 Carbon Tetrachloride
 Concen: 4.04 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002040.D
 Acq: 27 May 2018 01:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.5	117.7#
121	0.0	25.5	38.3#



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

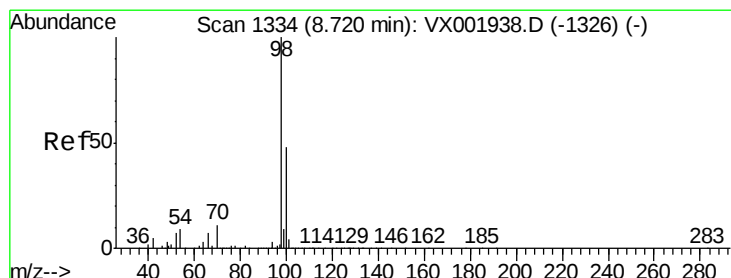
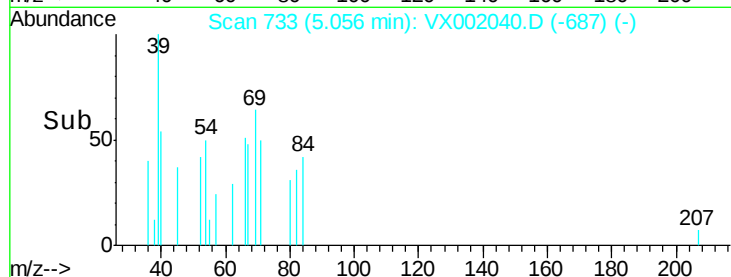
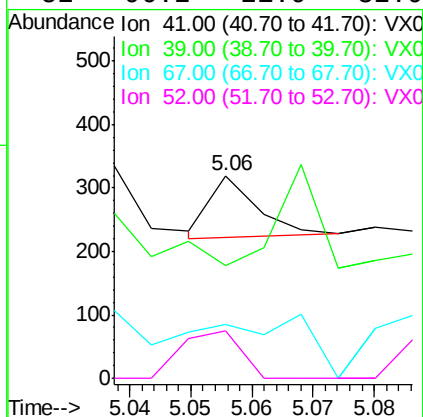
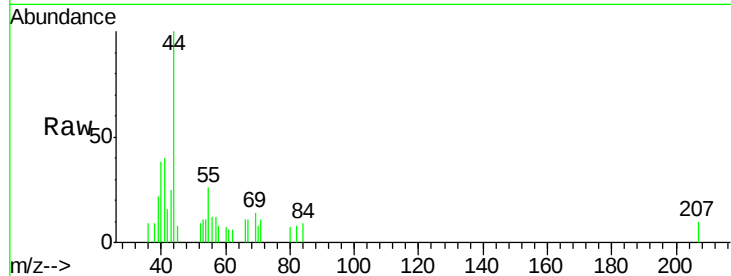




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.06 min Scan# 733
Delta R.T. -0.02 min
Lab File: VX002040.D
Acq: 27 May 2018 01:39

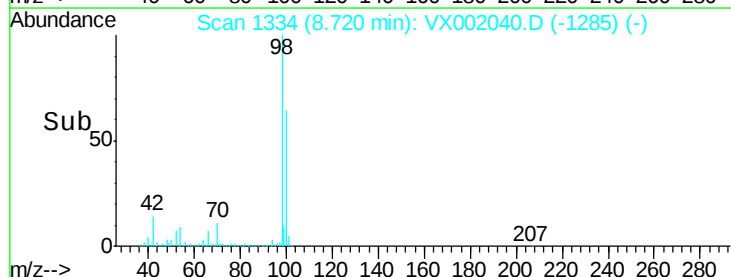
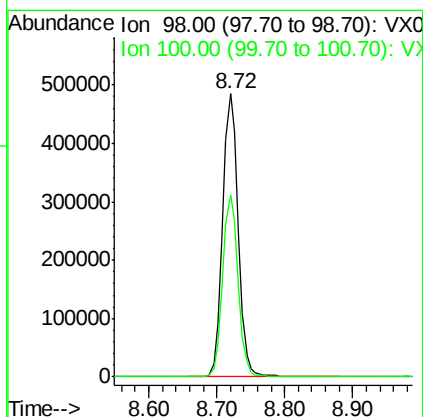
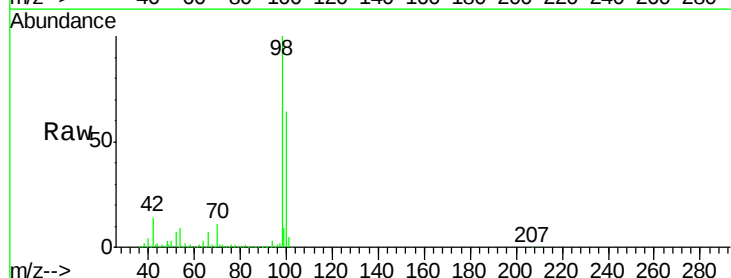
Instrument :
MSVOA_X
ClientSampled :

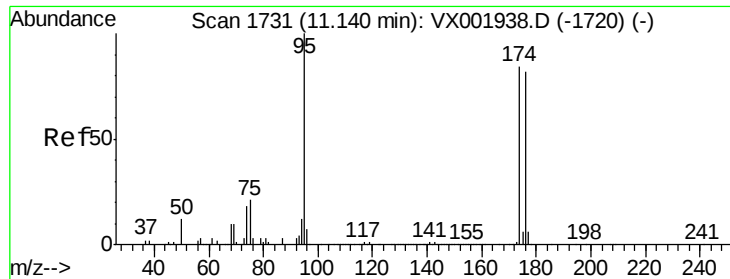
Tot Ion:	41	Resp:	52
Ion	Ratio	Lower	Upper
41	100		
39	169.2	46.0	69.0#
67	0.0	50.6	75.8#
52	96.2	21.9	32.9#



#50
Toluene-d8
Concen: 48.35 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002040.D
Acq: 27 May 2018 01:39

Tgt Ion:	98	Resp:	769596
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3

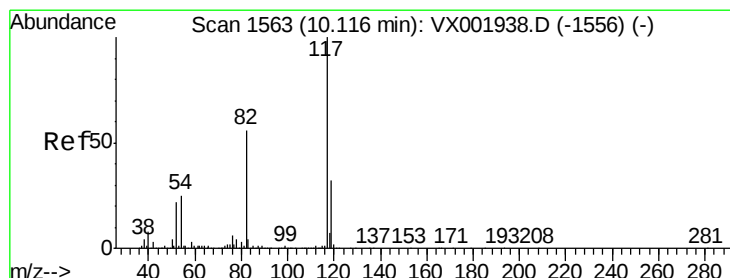
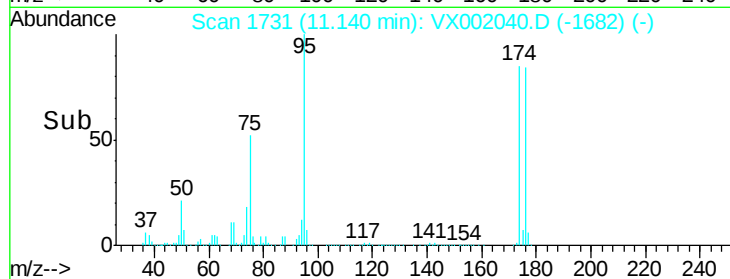
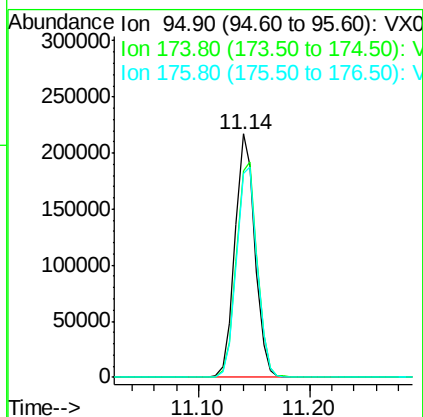
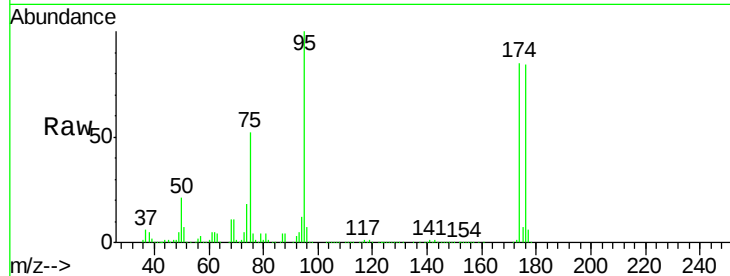




#62
4-Bromofluorobenzene
Concen: 43.23 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002040.D
Acq: 27 May 2018 01:39

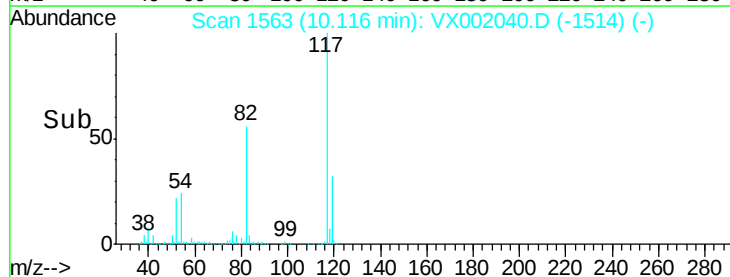
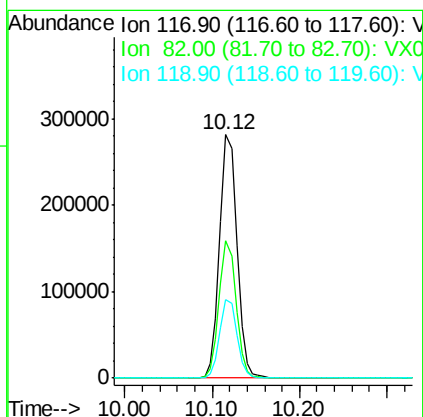
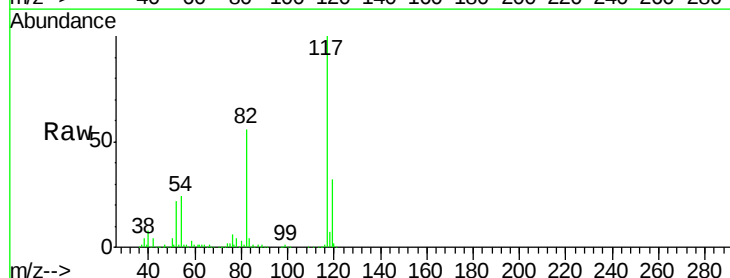
Instrument :
MSVOA_X
ClientSampled :

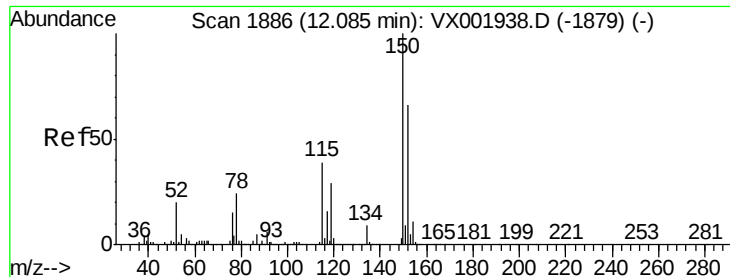
Tot Ion	95	Resp	269235
Ion Ratio	Lower	Upper	
95	100		
174	92.5	0.0	178.8
176	90.2	0.0	175.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002040.D
Acq: 27 May 2018 01:39

Tgt Ion	117	Resp	388730
Ion Ratio	Lower	Upper	
117	100		
82	56.3	44.8	67.2
119	32.1	25.5	38.3



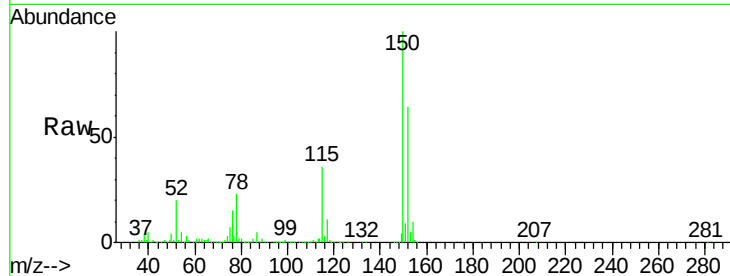


#72

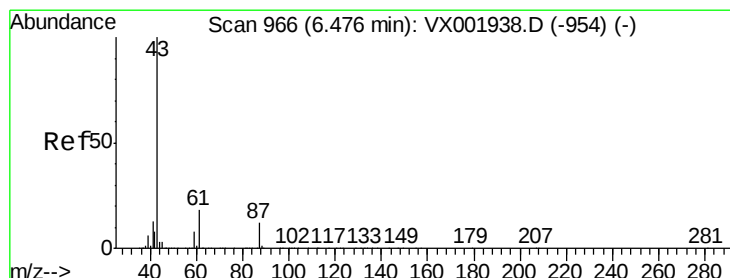
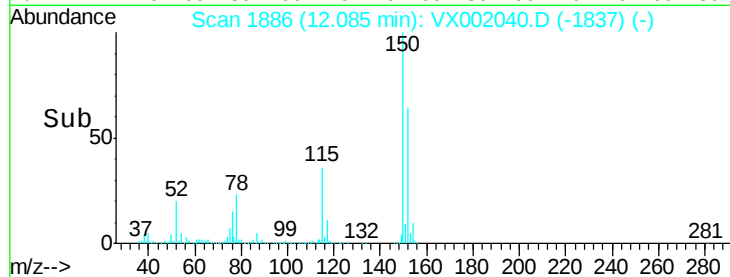
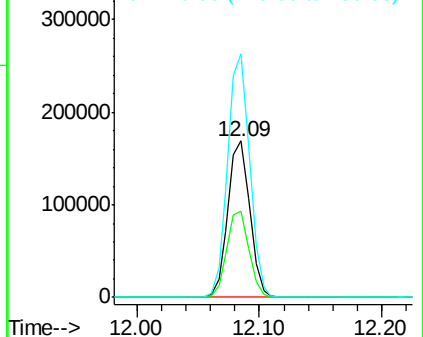
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002040.D
Acq: 27 May 2018 01:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.9	42.3	126.8
150	156.0	0.0	351.0



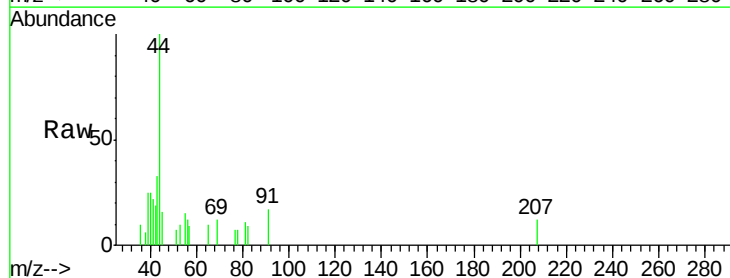
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



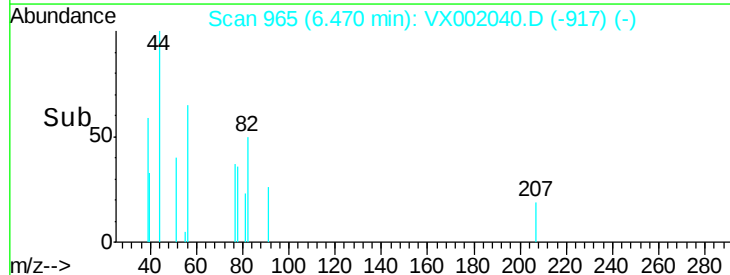
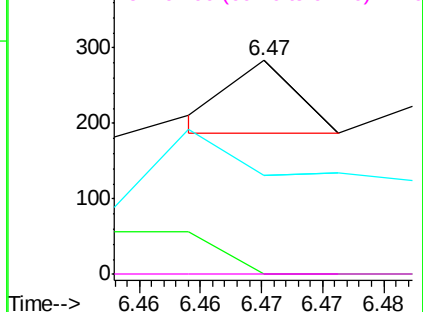
#74

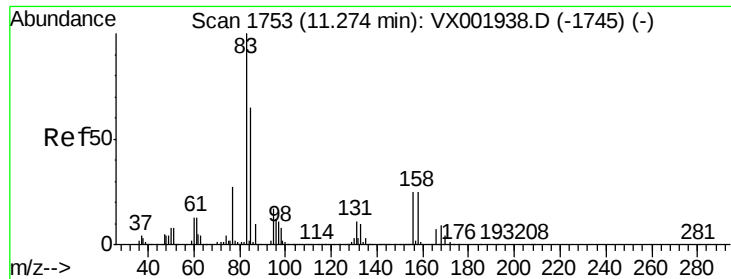
N-ethyl acetate
Concen: Below Cal
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX002040.D
Acq: 27 May 2018 01:39

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.1	0.1#
55	242.9	0.1	0.1#
61	0.0	14.5	21.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.23 min Scan# 1746

Delta R.T. -0.04 min

Lab File: VX002040.D

Acq: 27 May 2018 01:39

Instrument :

MSVOA_X

ClientSampled :

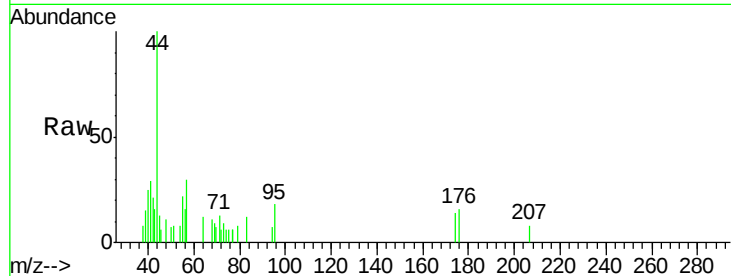
Tot Ion: 83 Resp: 38

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

85 0.0 32.6 97.7#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

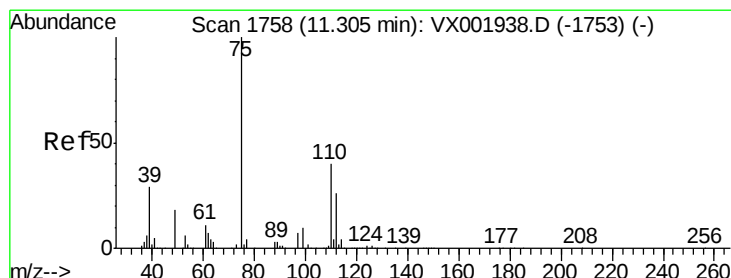
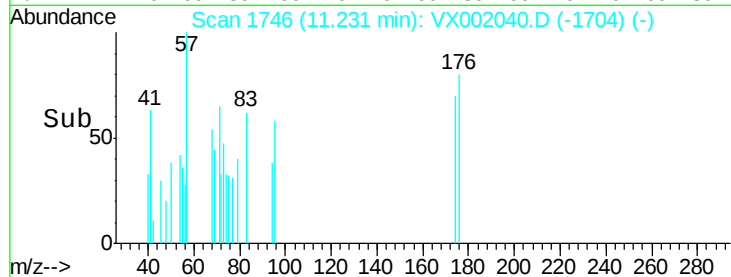
11.23

100

50

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 27.99 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002040.D

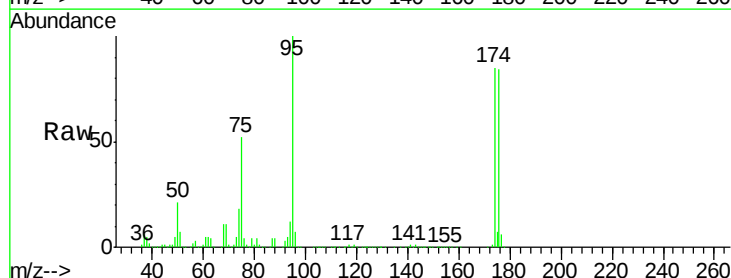
Acq: 27 May 2018 01:39

Tgt Ion: 75 Resp: 140671

Ion Ratio Lower Upper

75 100

77 1.1 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

120000

100000

80000

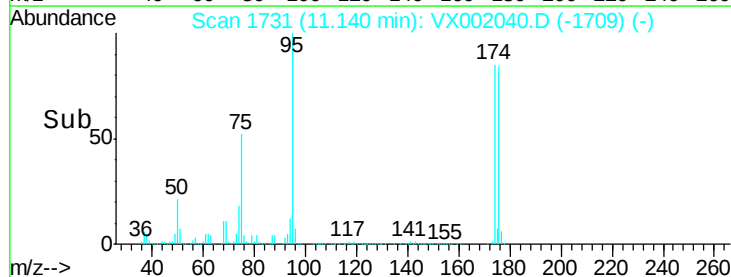
60000

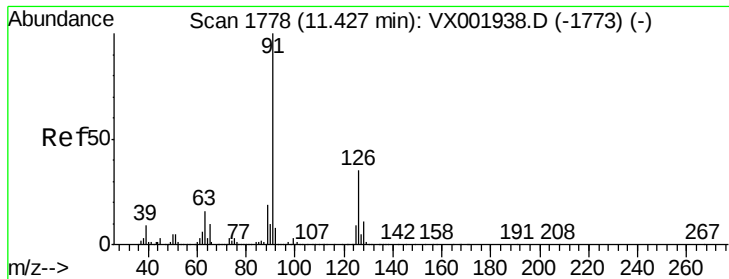
40000

20000

0

Time-->

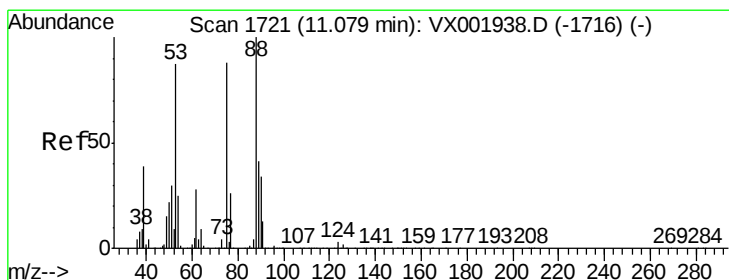
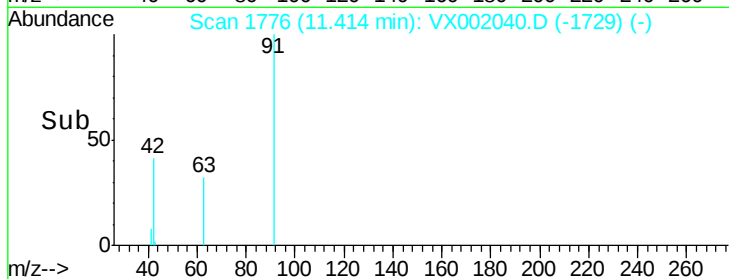
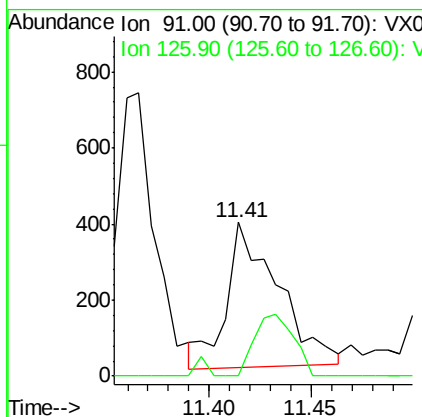
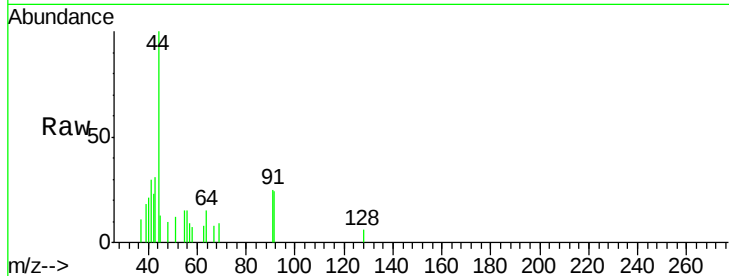




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.41 min Scan# 1776
 Delta R.T. -0.01 min
 Lab File: VX002040.D
 Acq: 27 May 2018 01:39

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 91 Resp: 669
 Ion Ratio Lower Upper
 91 100
 126 32.6 17.4 52.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.26 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002040.D
 Acq: 27 May 2018 01:39

Tgt Ion: 75 Resp: 140671
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 39.4 59.2#

