

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042318\
 Data File : VX001055.D
 Acq On : 23 Apr 2018 13:46
 Operator : JC/MD
 Sample : J2455-11
 Misc : 2.75g/5.0mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Quant Time: Apr 24 07:01:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	290147	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	278401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	192880	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	132723	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	5.51	113	99398	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	
50) Toluene-d8	8.72	98	408594	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	11.15	95	168657	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

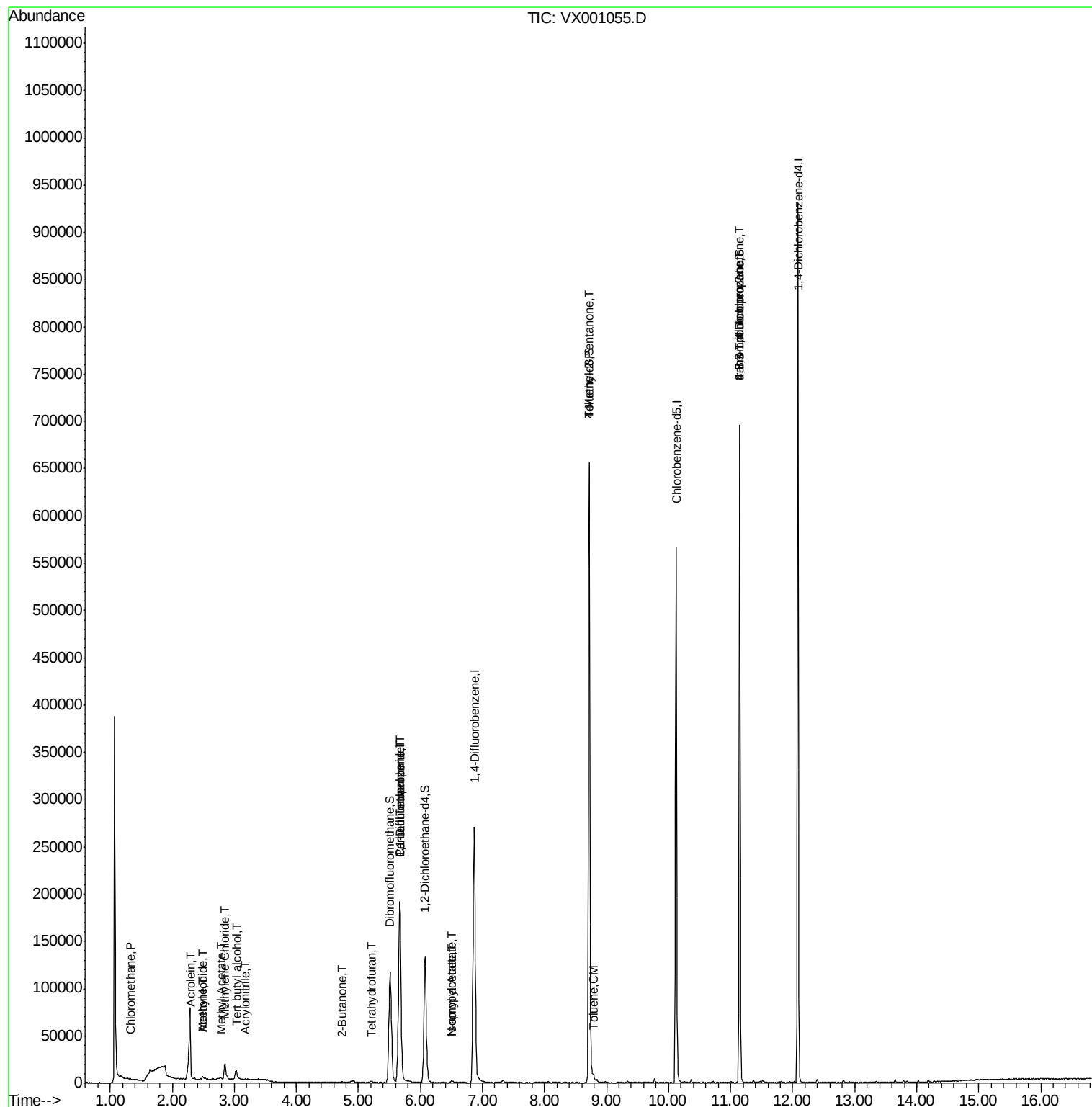
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	573	0.24	ug/l	# 84
5) Bromomethane	1.64	94	1616	Below	Cal	96
10) Methyl Iodide	2.49	142	2489	8.57	ug/l	99
11) Tert butyl alcohol	3.03	59	6315	15.83	ug/l	# 74
13) Acrolein	2.30	56	167	12.22	ug/l	89
15) Acrylonitrile	3.18	53	447	0.41	ug/l	# 52
16) Acetone	2.49	43	1087	1.09	ug/l	97
18) Methyl Acetate	2.79	43	710	0.24	ug/l	96
20) Methylene Chloride	2.85	84	8755	2.72	ug/l	94
25) 2-Butanone	4.74	43	574	0.37	ug/l	# 50
29) Tetrahydrofuran	5.21	42	1387	1.41	ug/l	# 72
36) 1,1-Dichloropropene	5.67	75	12909	3.79	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	18101	5.24	ug/l	# 16
43) Isopropyl Acetate	6.50	43	1468	0.27	ug/l	# 61
51) 4-Methyl-2-Pentanone	8.71	43	2280	0.70	ug/l	# 1
52) Toluene	8.79	92	1393	0.23	ug/l	87
74) N-amyl acetate	6.50	43	1468	0.27	ug/l	# 58
76) 1,2,3-Trichloropropane	11.15	75	83869	25.06	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.15	75	83869	75.16	ug/l	# 8

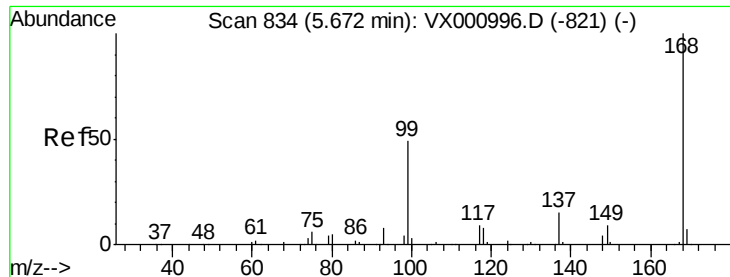
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001055.D

Acq: 23 Apr 2018 13:46

Instrument :

MSVOA_X

ClientSampleId :

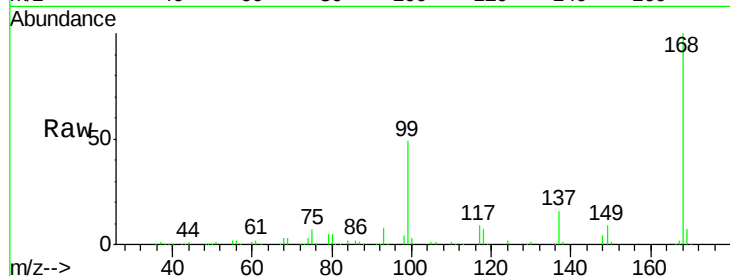
TP-2

Tgt Ion:168 Resp: 208632

Ion Ratio Lower Upper

168 100

99 48.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

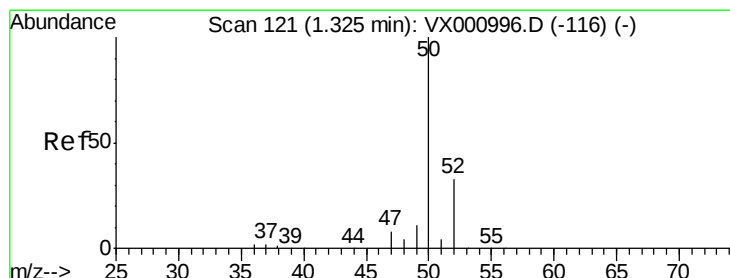
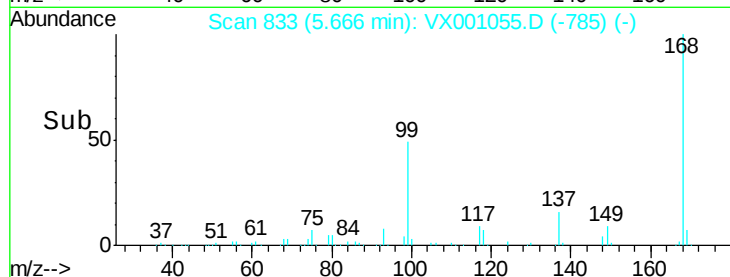
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#3

Chloromethane

Concen: 0.24 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX001055.D

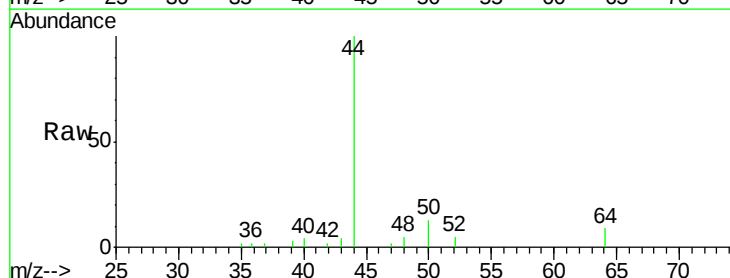
Acq: 23 Apr 2018 13:46

Tgt Ion: 50 Resp: 573

Ion Ratio Lower Upper

50 100

52 41.8 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

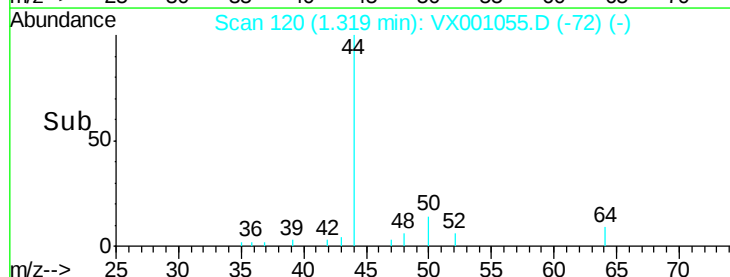
200

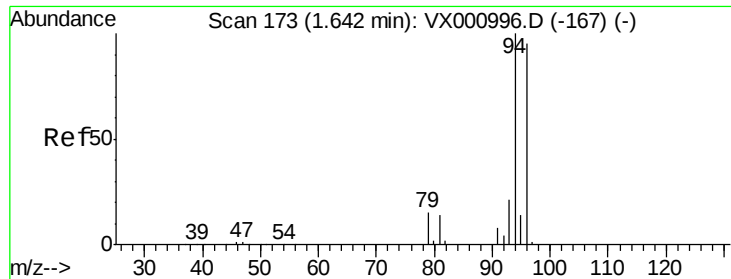
100

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX001055.D

Acq: 23 Apr 2018 13:46

Instrument :

MSVOA_X

ClientSampleId :

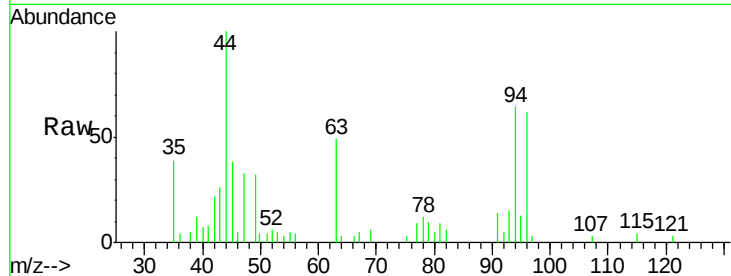
TP-2

Tgt Ion: 94 Resp: 1616

Ion Ratio Lower Upper

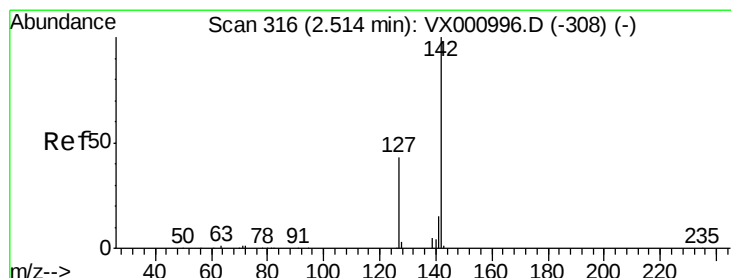
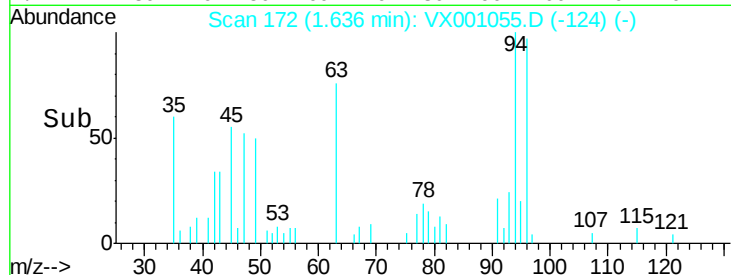
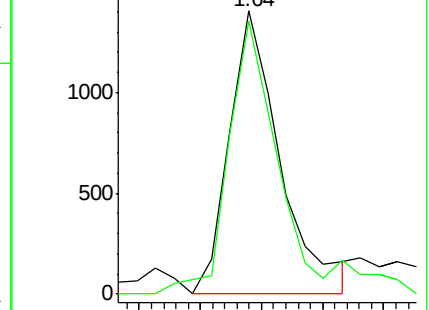
94 100

96 91.6 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 8.57 ug/l

RT: 2.49 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX001055.D

Acq: 23 Apr 2018 13:46

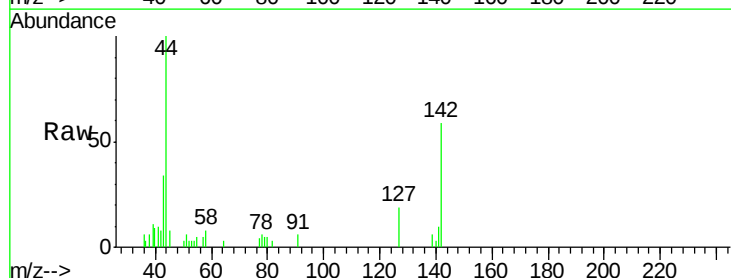
Tgt Ion: 142 Resp: 2489

Ion Ratio Lower Upper

142 100

127 43.3 34.0 51.0

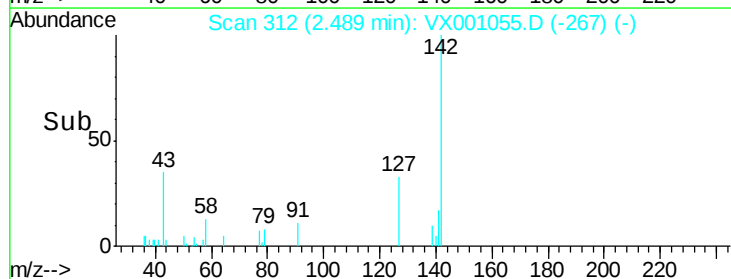
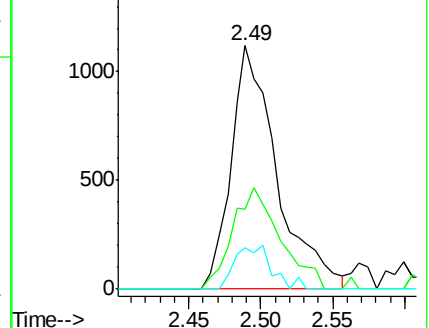
141 14.2 11.4 17.2

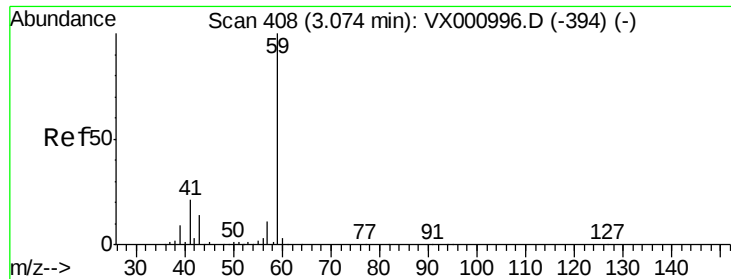


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

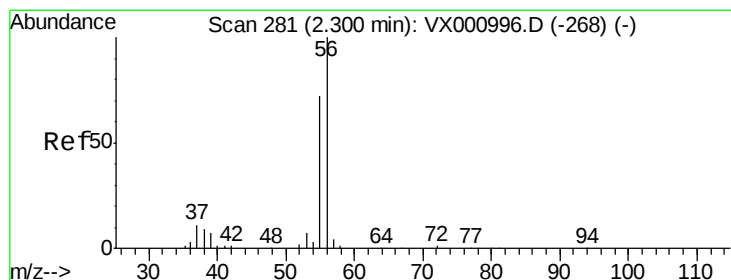
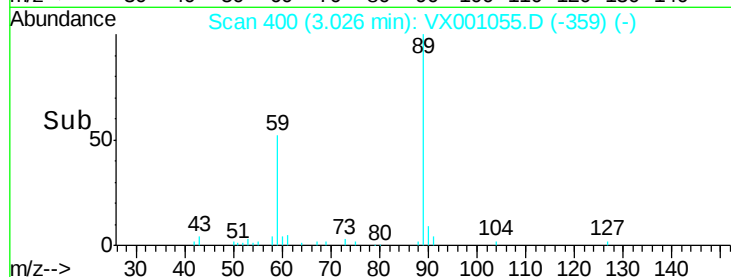
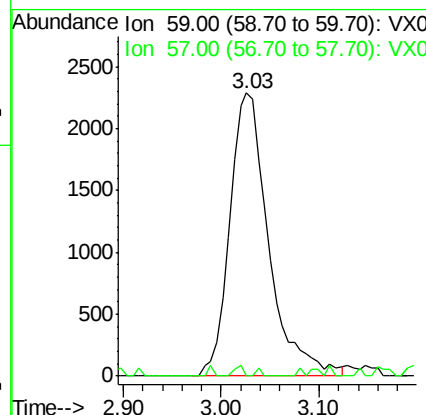
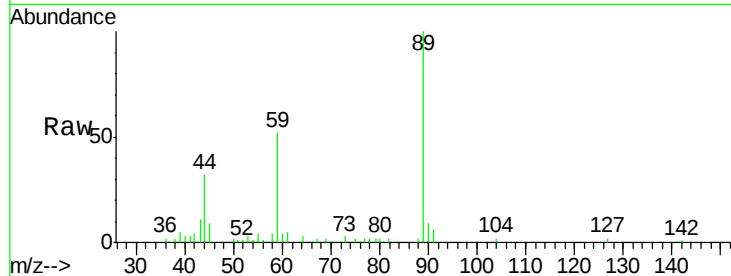




#11
Tert butyl alcohol
Concen: 15.83 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX001055.D
Acq: 23 Apr 2018 13:46

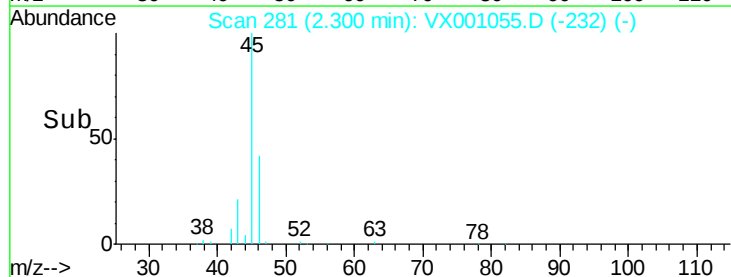
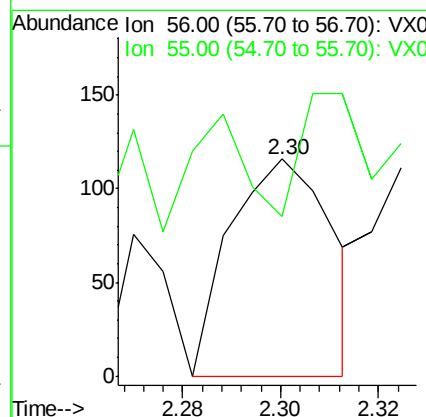
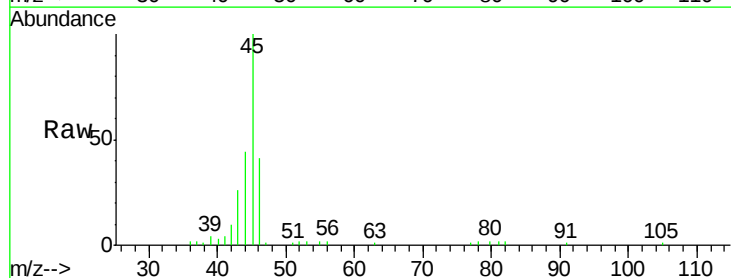
Instrument :
MSVOA_X
ClientSampled :
TP-2

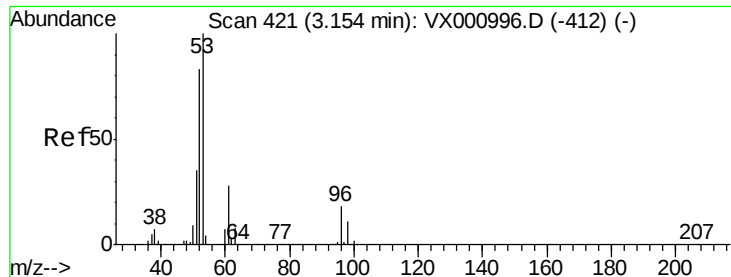
Tgt Ion: 59 Resp: 6315
Ion Ratio Lower Upper
59 100
57 0.8 8.3 12.5#



#13
Acrolein
Concen: 12.22 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX001055.D
Acq: 23 Apr 2018 13:46

Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
55 62.9 57.4 86.2





#15

Acrylonitrile

Concen: 0.41 ug/l

RT: 3.18 min Scan# 425

Delta R.T. 0.02 min

Lab File: VX001055.D

Acq: 23 Apr 2018 13:46

Instrument :

MSVOA_X

ClientSampled :

TP-2

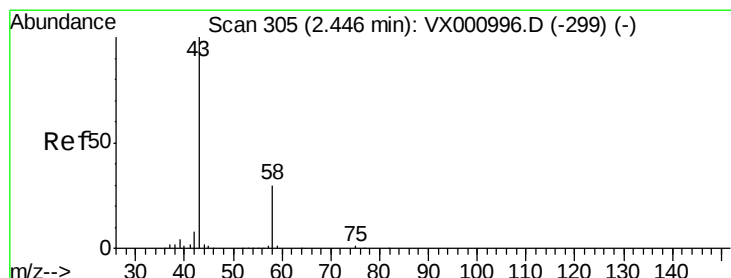
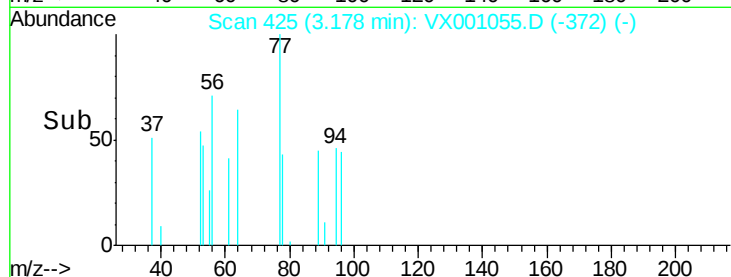
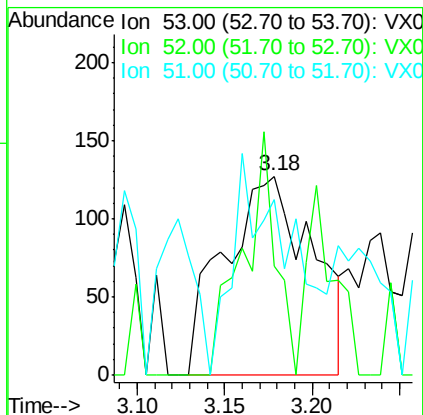
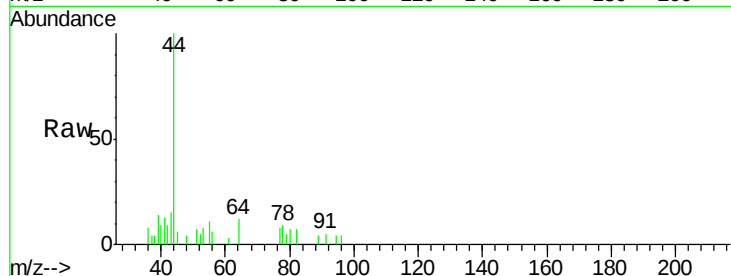
Tgt Ion: 53 Resp: 447

Ion Ratio Lower Upper

53 100

52 45.2 66.4 99.6#

51 72.0 29.0 43.6#



#16

Acetone

Concen: 1.09 ug/l

RT: 2.49 min Scan# 312

Delta R.T. 0.04 min

Lab File: VX001055.D

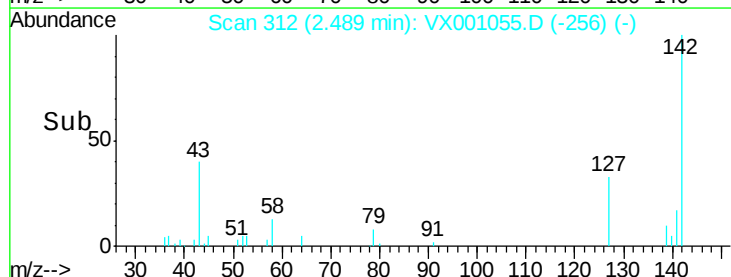
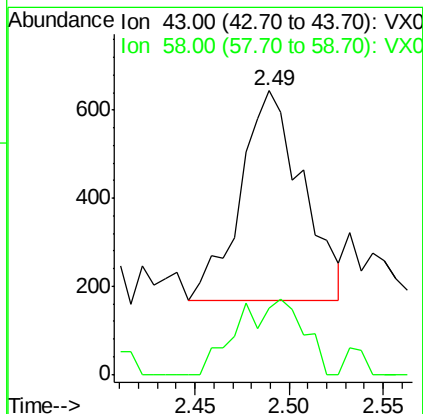
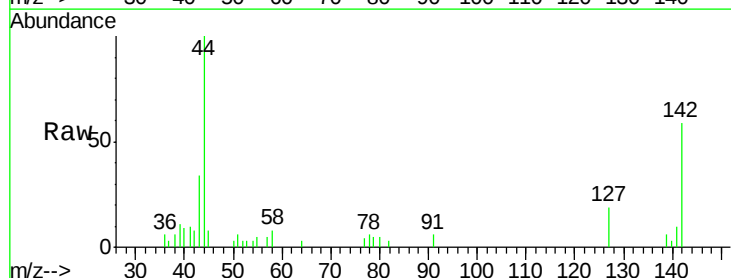
Acq: 23 Apr 2018 13:46

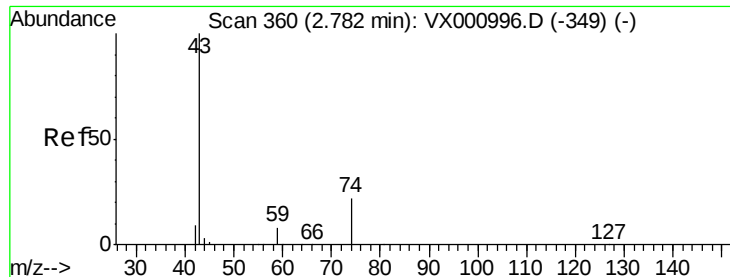
Tgt Ion: 43 Resp: 1087

Ion Ratio Lower Upper

43 100

58 31.3 23.7 35.5

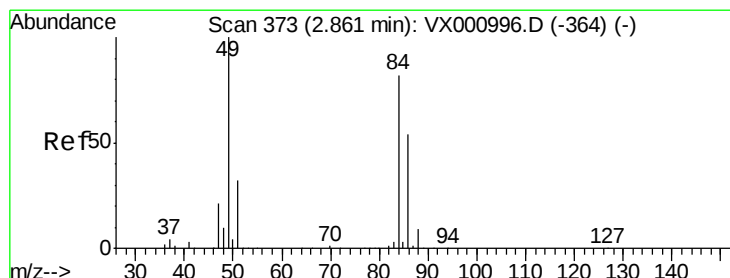
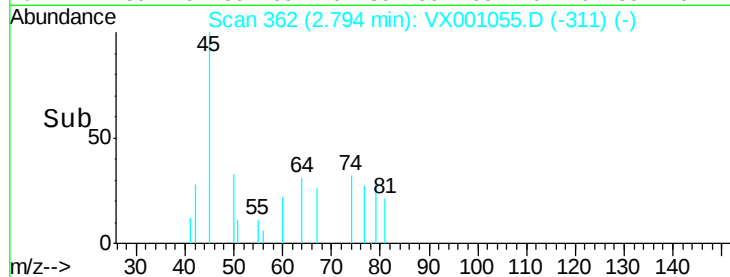
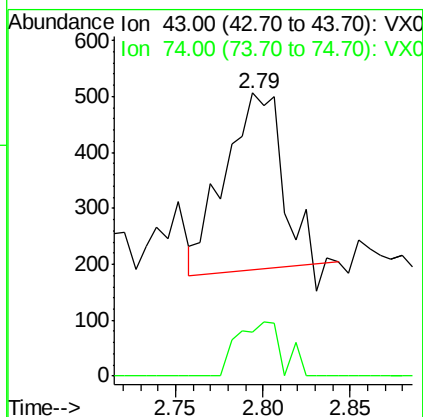
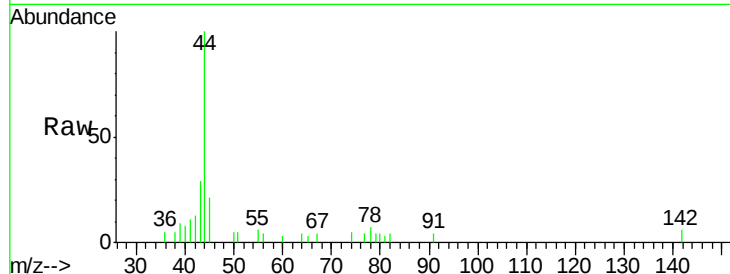




#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 2.79 min Scan# 362
Delta R.T. 0.01 min
Lab File: VX001055.D
Acq: 23 Apr 2018 13:46

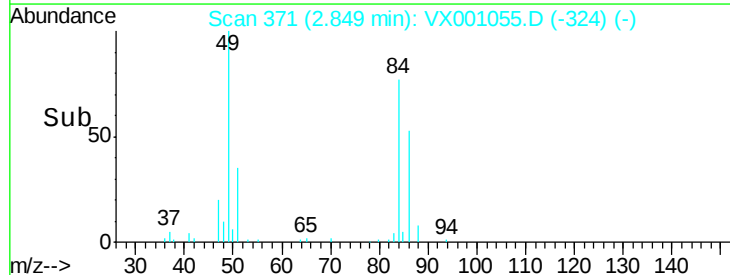
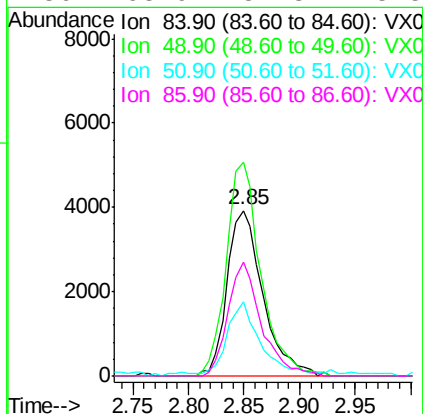
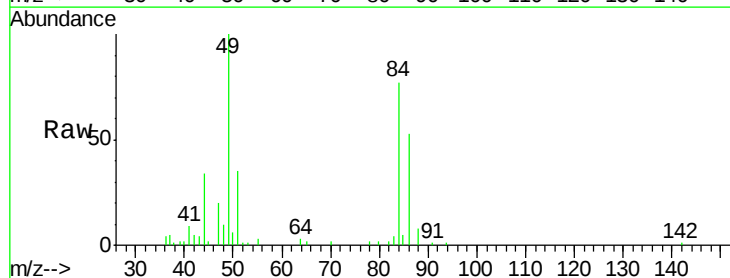
Instrument :
MSVOA_X
ClientSampled :
TP-2

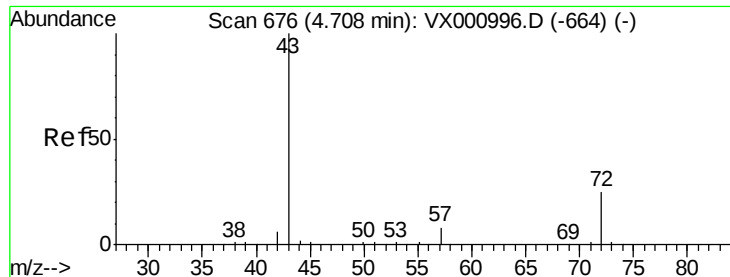
Tgt Ion: 43 Resp: 710
Ion Ratio Lower Upper
43 100
74 24.6 18.3 27.5



#20
Methylene Chloride
Concen: 2.72 ug/l
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX001055.D
Acq: 23 Apr 2018 13:46

Tgt Ion: 84 Resp: 8755
Ion Ratio Lower Upper
84 100
49 129.2 97.1 145.7
51 43.6 30.8 46.2
86 68.9 52.3 78.5





#25

2-Butanone

Concen: 0.37 ug/l

RT: 4.74 min Scan# 681

Delta R.T. 0.03 min

Lab File: VX001055.D

Acq: 23 Apr 2018 13:46

Instrument :

MSVOA_X

ClientSampled :

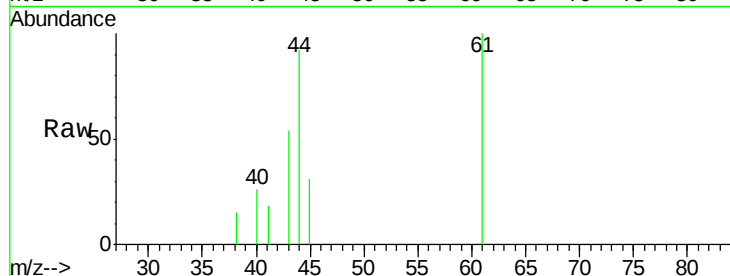
TP-2

Tgt Ion: 43 Resp: 574

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300

250

200

150

100

50

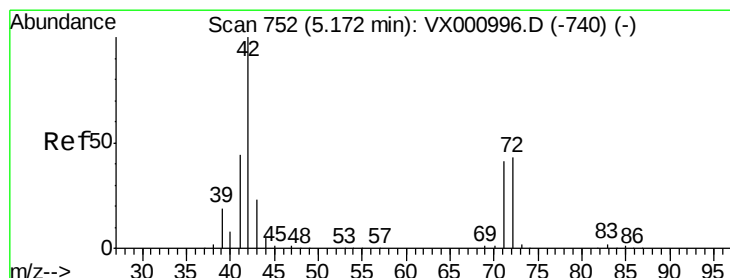
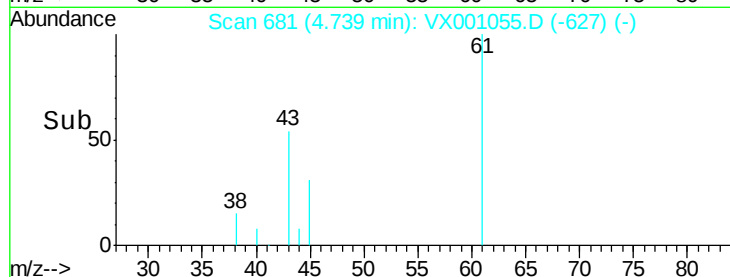
0

4.65

4.70

4.75

Time-->



#29

Tetrahydrofuran

Concen: 1.41 ug/l

RT: 5.21 min Scan# 758

Delta R.T. 0.04 min

Lab File: VX001055.D

Acq: 23 Apr 2018 13:46

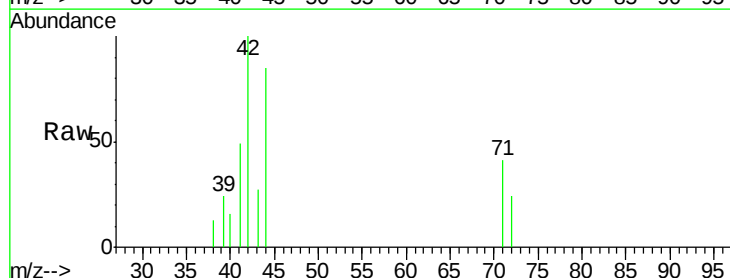
Tgt Ion: 42 Resp: 1387

Ion Ratio Lower Upper

42 100

72 21.6 34.6 52.0#

71 27.8 32.6 49.0#



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

600

400

200

0

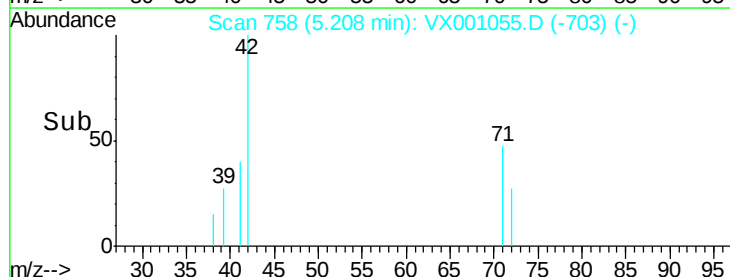
5.10

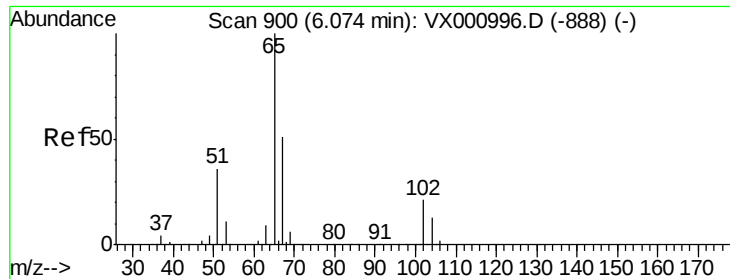
5.15

5.20

5.25

Time-->

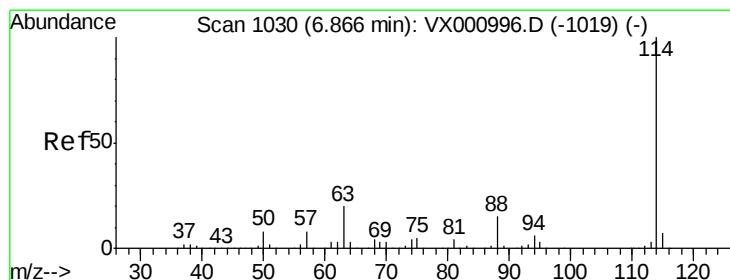
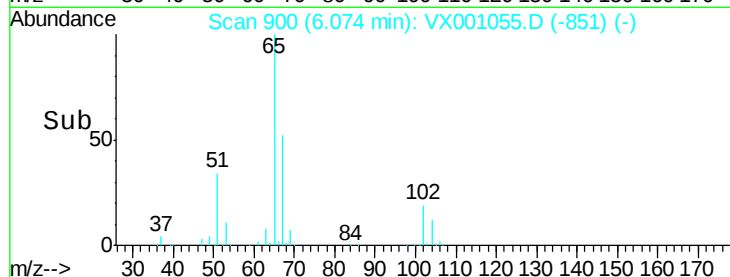
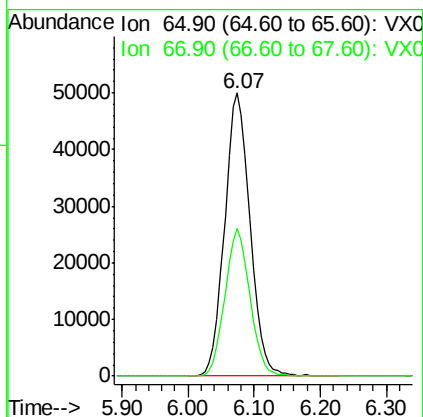
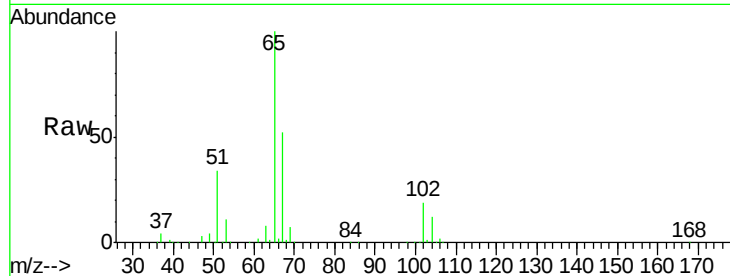




#33
 1,2-Dichloroethane-d4
 Concen: 50.18 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001055.D
 Acq: 23 Apr 2018 13:46

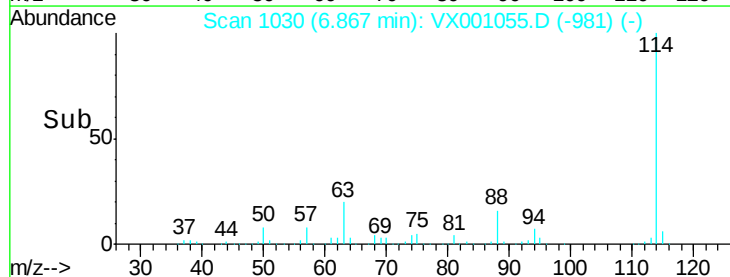
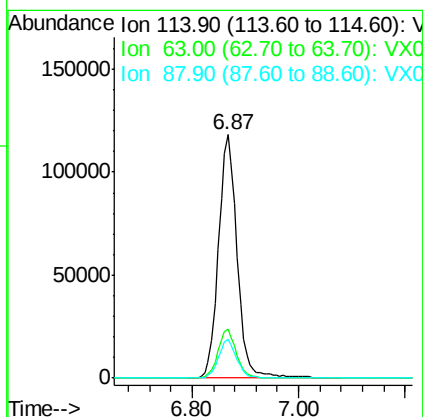
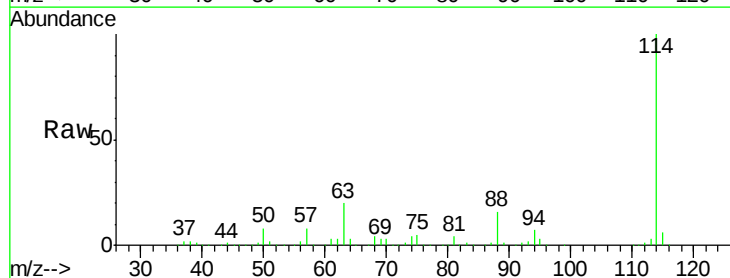
Instrument :
 MSVOA_X
 ClientSampled :
 TP-2

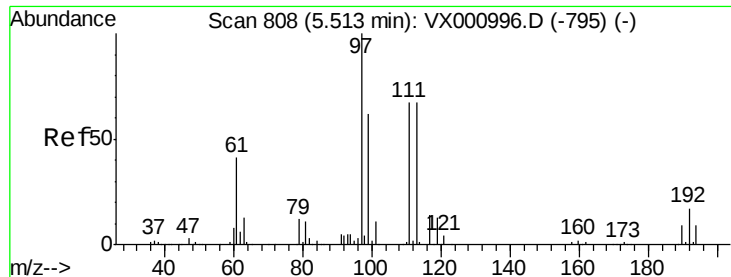
Tgt Ion: 65 Resp: 132723
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001055.D
 Acq: 23 Apr 2018 13:46

Tgt Ion: 114 Resp: 290147
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.4
 88 15.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 44.93 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001055.D

Acq: 23 Apr 2018 13:46

Instrument :

MSVOA_X

ClientSampleId :

TP-2

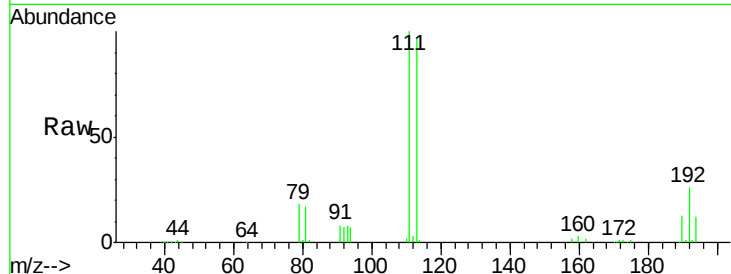
Tgt Ion:113 Resp: 99398

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.2

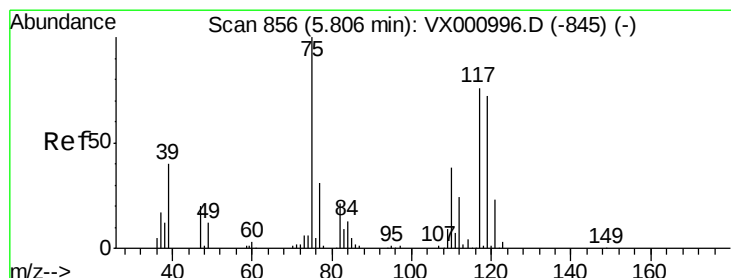
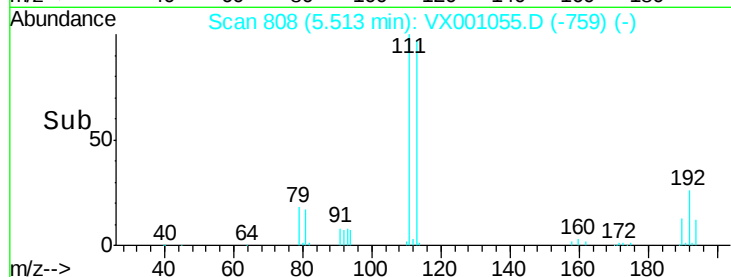
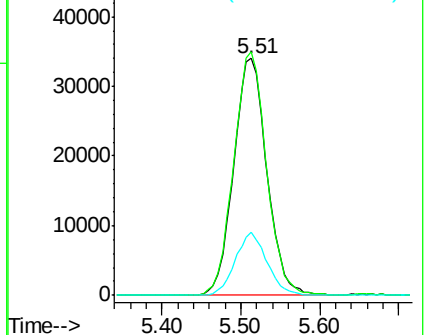
192 25.5 20.4 30.6



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: 3.79 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001055.D

Acq: 23 Apr 2018 13:46

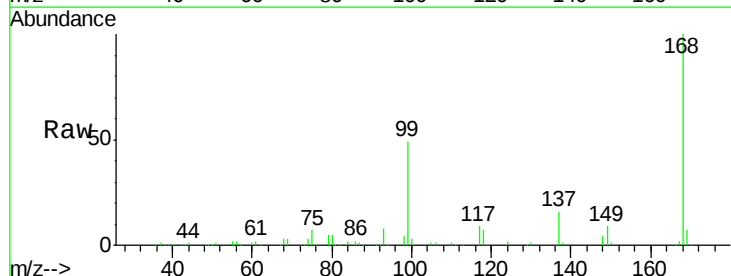
Tgt Ion: 75 Resp: 12909

Ion Ratio Lower Upper

75 100

110 10.1 18.7 56.1#

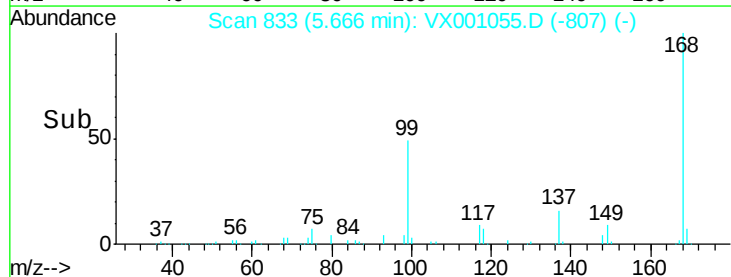
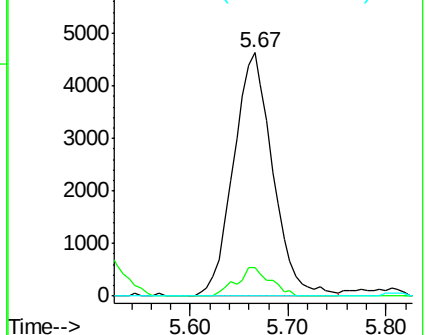
77 0.0 25.0 37.4#

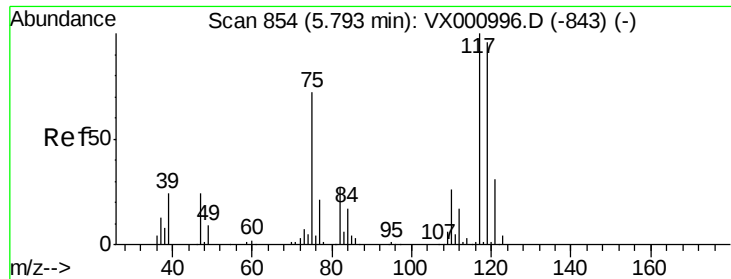


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

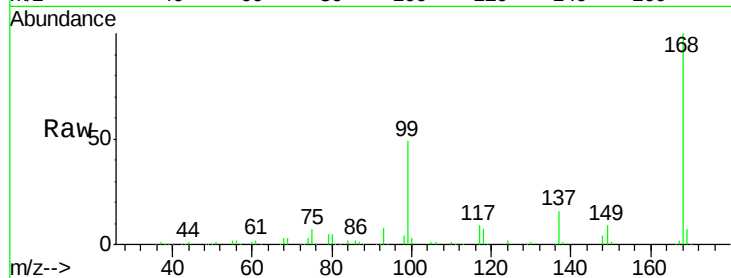




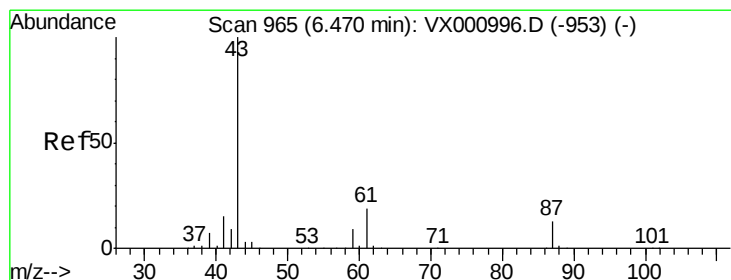
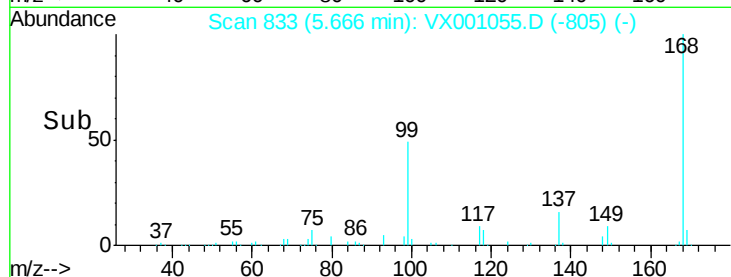
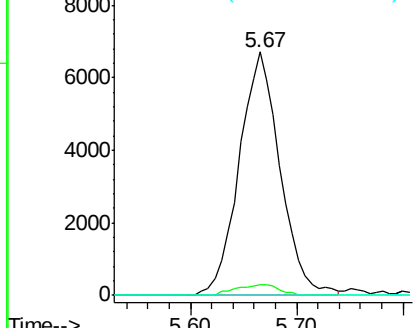
#38
Carbon Tetrachloride
Concen: 5.24 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.13 min
Lab File: VX001055.D
Acq: 23 Apr 2018 13:46

Instrument :
MSVOA_X
ClientSampled :
TP-2

Tgt Ion:117 Resp: 18101
Ion Ratio Lower Upper
117 100
119 4.4 76.5 114.7#
121 0.0 24.5 36.7#

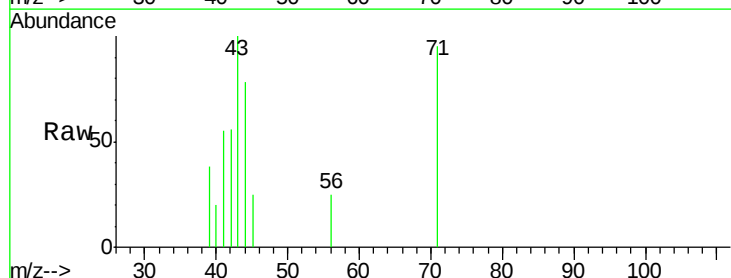


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

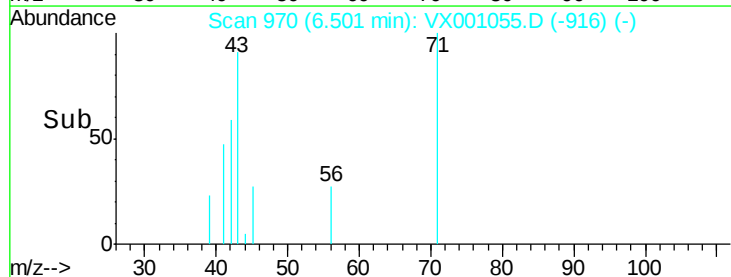
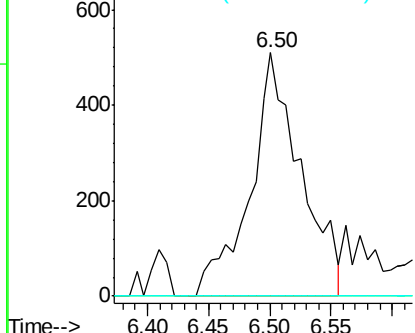


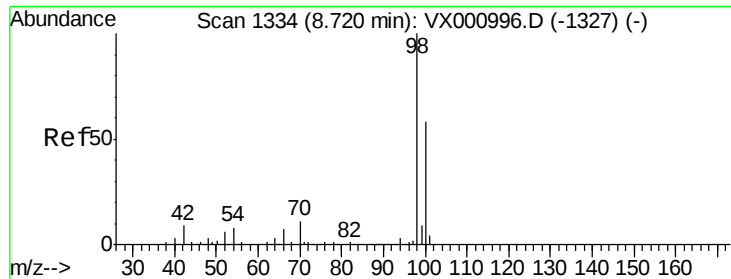
#43
Isopropyl Acetate
Concen: 0.27 ug/l
RT: 6.50 min Scan# 970
Delta R.T. 0.03 min
Lab File: VX001055.D
Acq: 23 Apr 2018 13:46

Tgt Ion: 43 Resp: 1468
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.2#
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

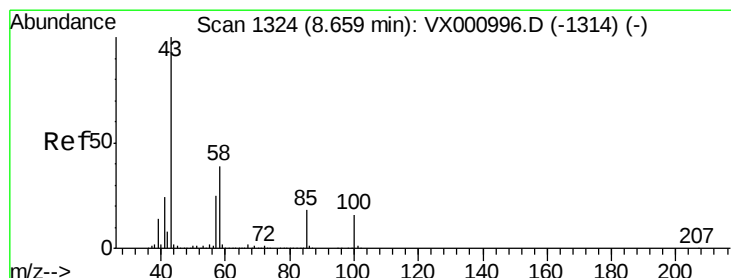
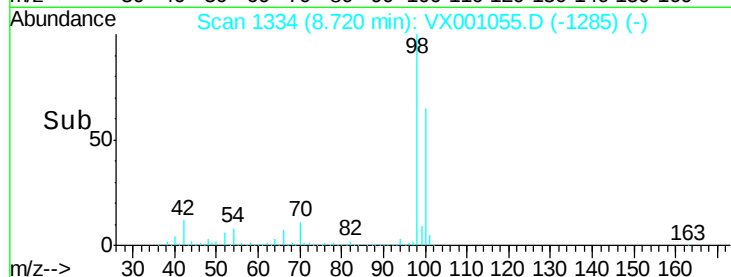
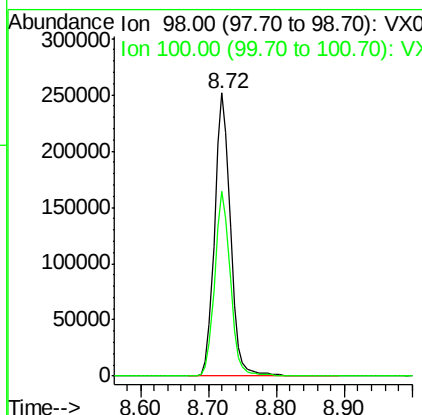
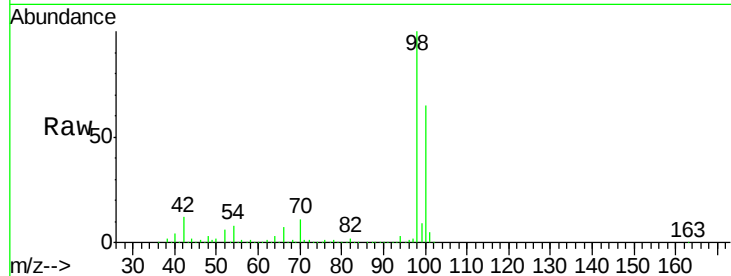




#50
Toluene-d8
Concen: 49.94 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001055.D
Acq: 23 Apr 2018 13:46

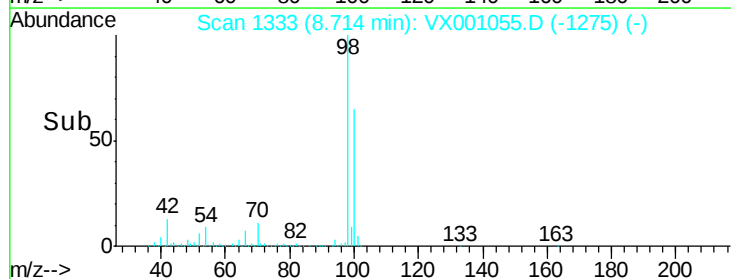
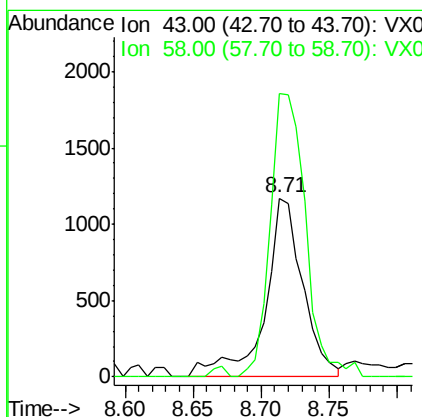
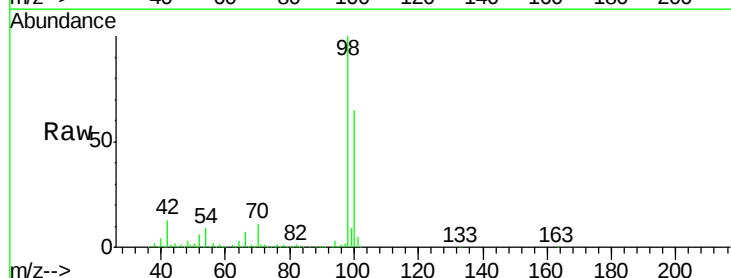
Instrument :
MSVOA_X
ClientSampled :
TP-2

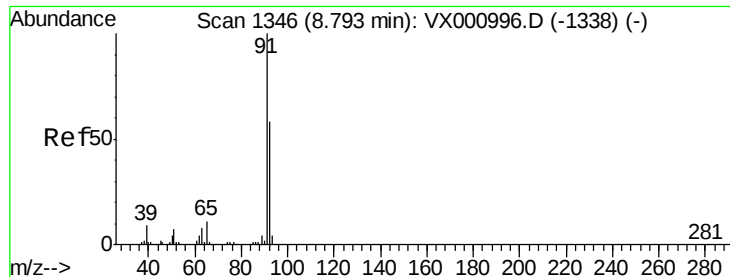
Tgt Ion: 98 Resp: 408594
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.70 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.06 min
Lab File: VX001055.D
Acq: 23 Apr 2018 13:46

Tgt Ion: 43 Resp: 2280
Ion Ratio Lower Upper
43 100
58 148.2 30.2 45.4#





#52

Toluene

Concen: 0.23 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001055.D

Acq: 23 Apr 2018 13:46

Instrument :

MSVOA_X

ClientSampled :

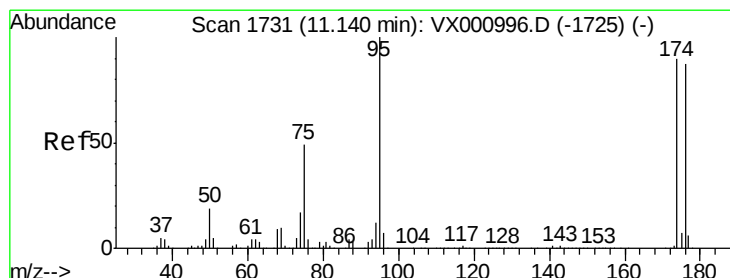
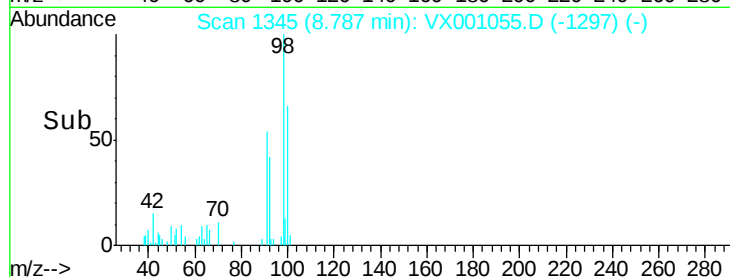
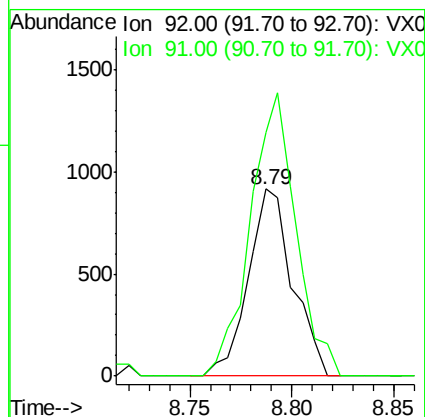
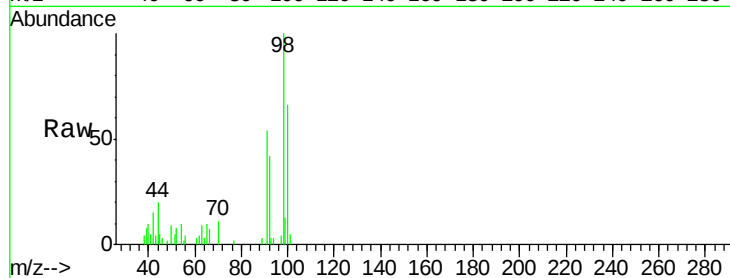
TP-2

Tgt Ion: 92 Resp: 1393

Ion Ratio Lower Upper

92 100

91 155.1 138.2 207.4



#62

4-Bromofluorobenzene

Concen: 49.12 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001055.D

Acq: 23 Apr 2018 13:46

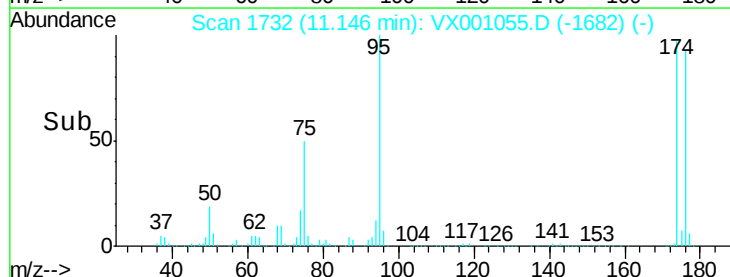
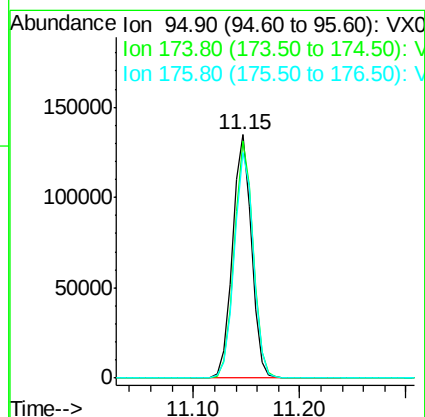
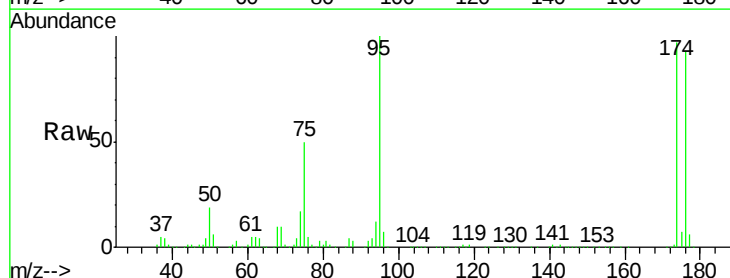
Tgt Ion: 95 Resp: 168657

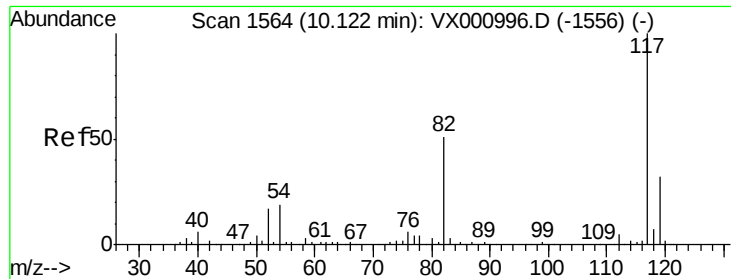
Ion Ratio Lower Upper

95 100

174 97.3 0.0 198.4

176 94.0 0.0 192.0

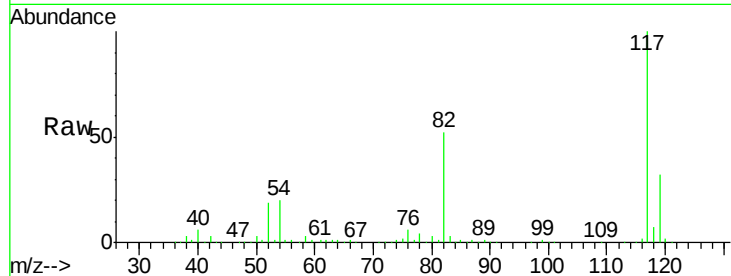




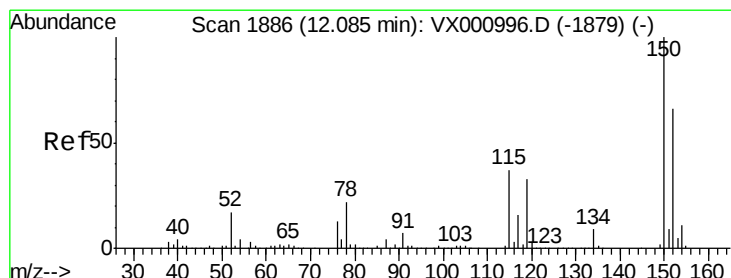
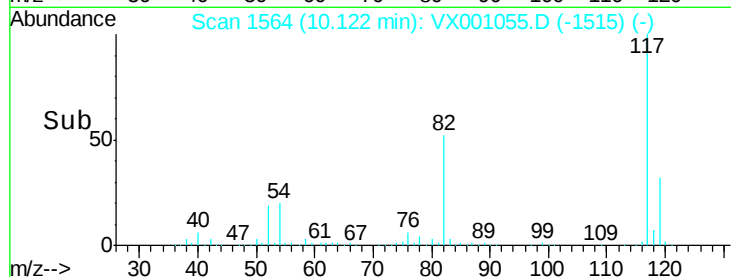
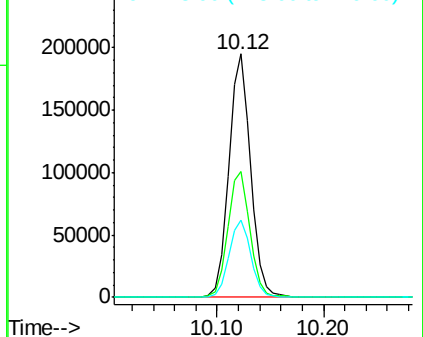
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001055.D
Acq: 23 Apr 2018 13:46

Instrument :
MSVOA_X
ClientSampled :
TP-2

Tgt Ion:117 Resp: 278401
Ion Ratio Lower Upper
117 100
82 51.5 40.6 60.8
119 31.8 26.0 39.0

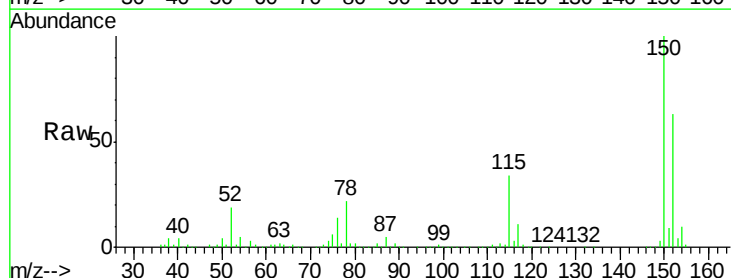


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

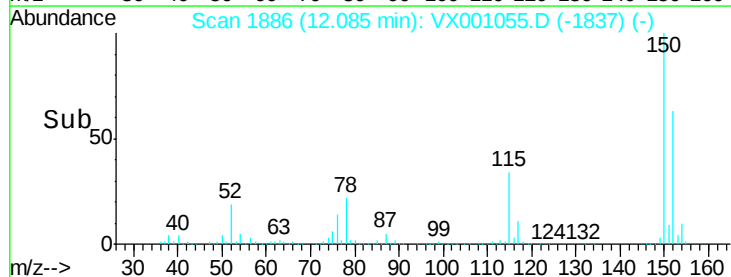
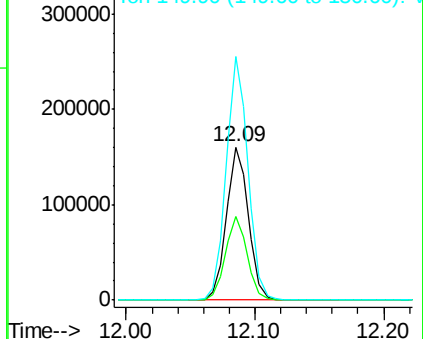


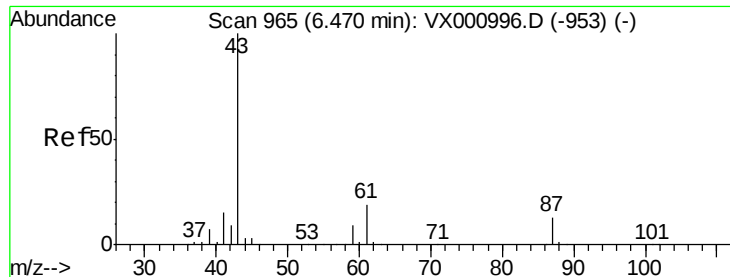
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001055.D
Acq: 23 Apr 2018 13:46

Tgt Ion:152 Resp: 192880
Ion Ratio Lower Upper
152 100
115 54.2 38.2 114.6
150 157.8 0.0 350.4



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: 0.27 ug/l

RT: 6.50 min Scan# 970

Delta R.T. 0.03 min

Lab File: VX001055.D

Acq: 23 Apr 2018 13:46

Instrument :

MSVOA_X

ClientSampleId :

TP-2

Tgt Ion: 43 Resp: 1468

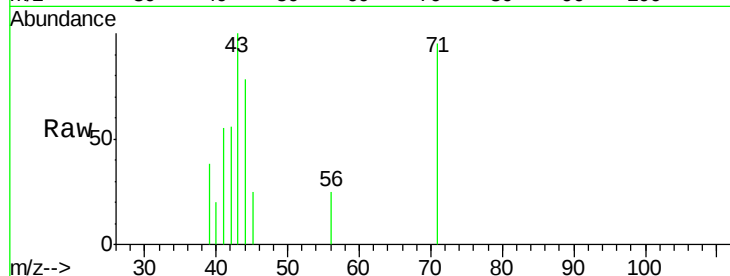
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 7.9 0.1 0.1#

61 0.0 15.4 23.2#

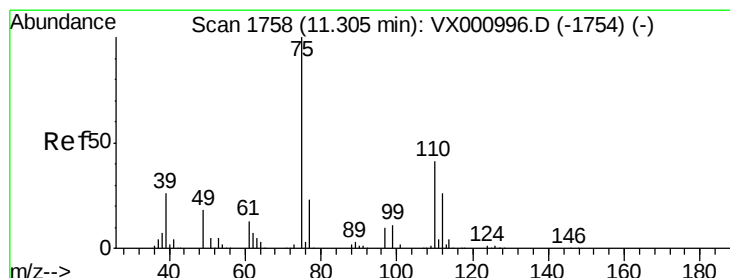
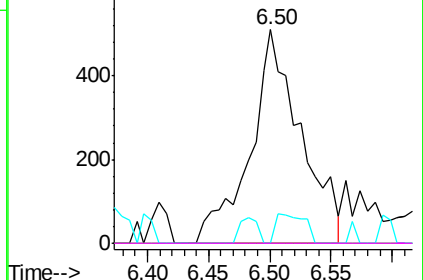
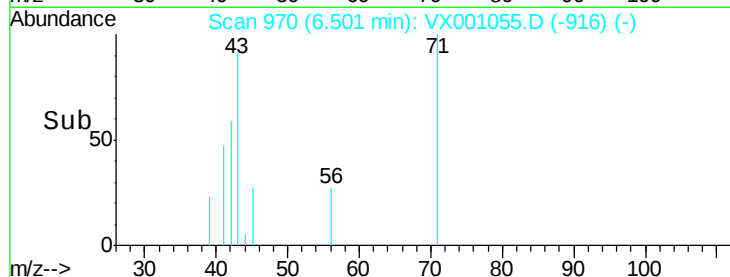


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 25.06 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX001055.D

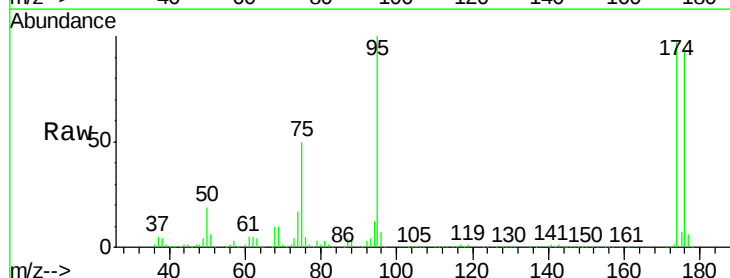
Acq: 23 Apr 2018 13:46

Tgt Ion: 75 Resp: 83869

Ion Ratio Lower Upper

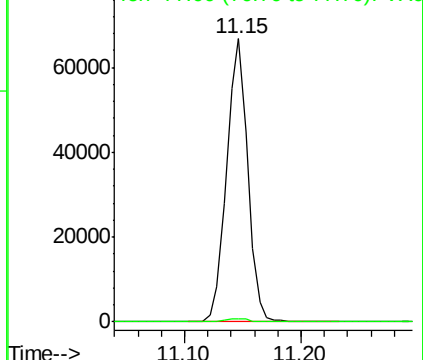
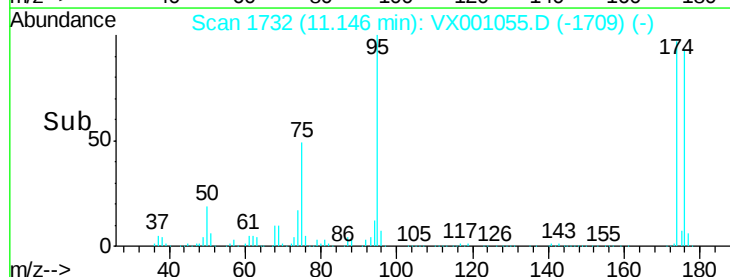
75 100

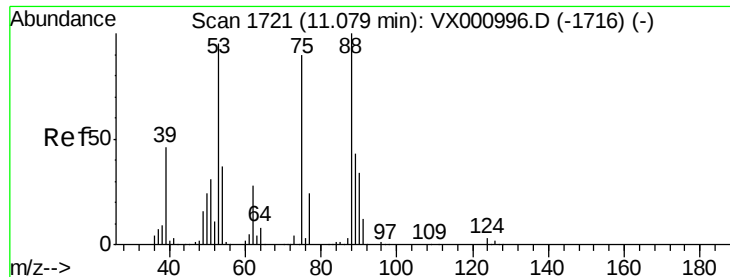
77 1.3 19.6 58.7#



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: 75.16 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX001055.D

Acq: 23 Apr 2018 13:46

Instrument :

MSVOA_X

ClientSampleId :

TP-2

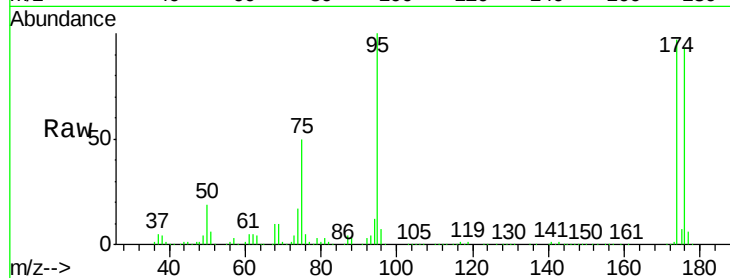
Tgt Ion: 75 Resp: 83869

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 39.7 59.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

