

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062918\
 Data File : VX003025.D
 Acq On : 29 Jun 2018 13:38
 Operator : JC/MD
 Sample : J3677-10
 Misc : 5.04g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 29 14:40:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	257102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	361350	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211787	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	169087	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
35) Dibromofluoromethane	5.51	113	133987	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
50) Toluene-d8	8.72	98	504082	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	11.15	95	191044	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	

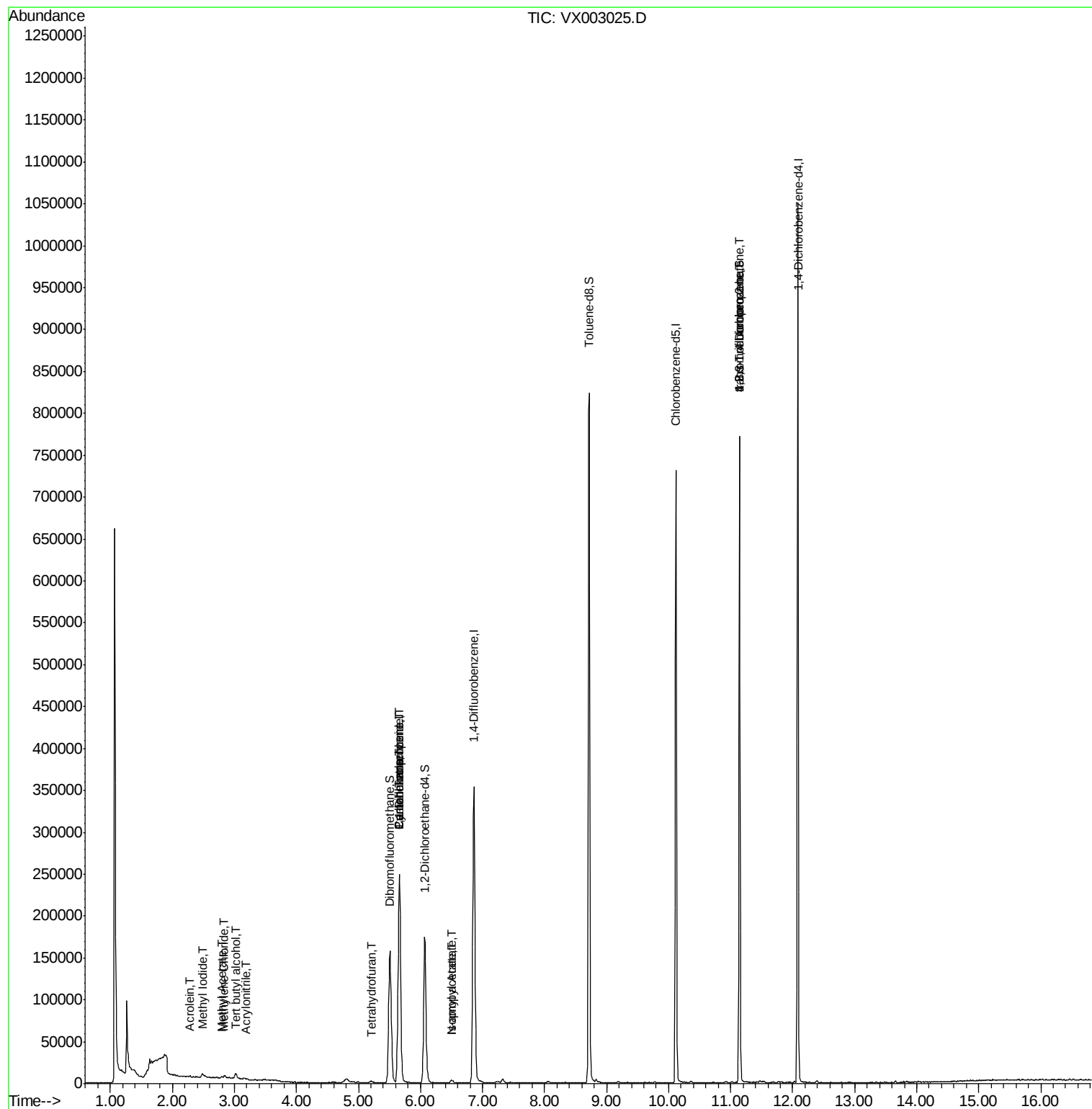
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	140	Below Cal	#	43
3) Chloromethane	1.32	50	1103	Below Cal		91
6) Chloroethane	1.84	64	264	Below Cal	#	1
10) Methyl Iodide	2.48	142	3787	7.38	ug/l #	96
11) Tert butyl alcohol	3.03	59	4043	5.71	ug/l #	86
13) Acrolein	2.29	56	131	4.56	ug/l #	44
15) Acrylonitrile	3.18	53	454	0.30	ug/l #	47
18) Methyl Acetate	2.80	43	1883	0.46	ug/l	91
20) Methylene Chloride	2.84	84	1562	0.55	ug/l #	61
29) Tetrahydrofuran	5.21	42	2361	1.69	ug/l	89
31) Cyclohexane	5.66	56	5221	1.17	ug/l #	2
36) 1,1-Dichloropropene	5.65	75	17400	4.39	ug/l #	50
38) Carbon Tetrachloride	5.66	117	23208	5.34	ug/l #	15
43) Isopropyl Acetate	6.50	43	2217	0.31	ug/l #	63
74) N-amyl acetate	6.50	43	2217	0.32	ug/l #	59
76) 1,2,3-Trichloropropane	11.15	75	98049	25.56	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.15	75	98049	72.53	ug/l #	7

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
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QLast Update : Mon Jun 25 14:38:05 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003025.D

Acq: 29 Jun 2018 13:38

Instrument :

MSVOA_X

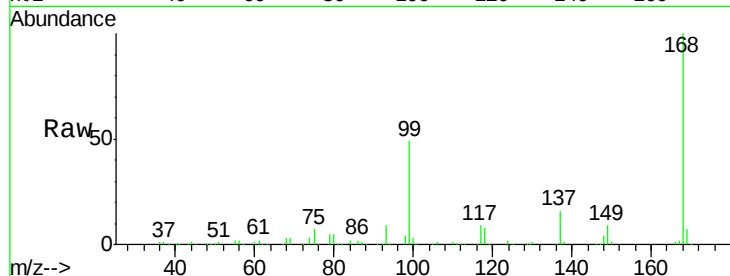
ClientSampled :

Tot Ion:168 Resp: 257102

Ion Ratio Lower Upper

168 100

99 49.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

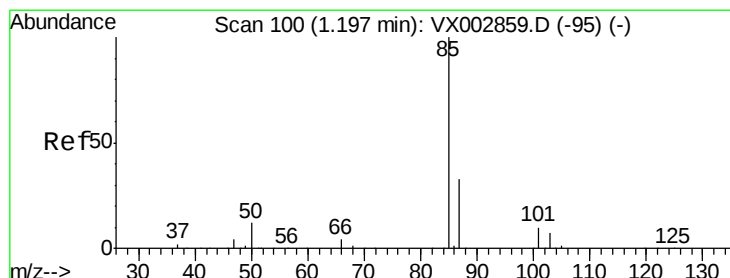
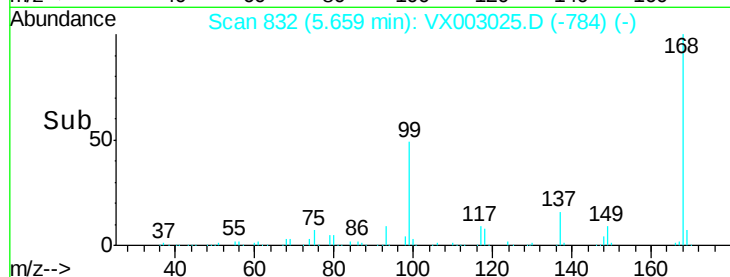
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003025.D

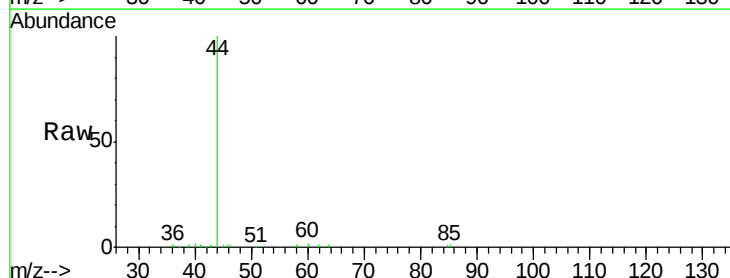
Acq: 29 Jun 2018 13:38

Tgt Ion: 85 Resp: 140

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150

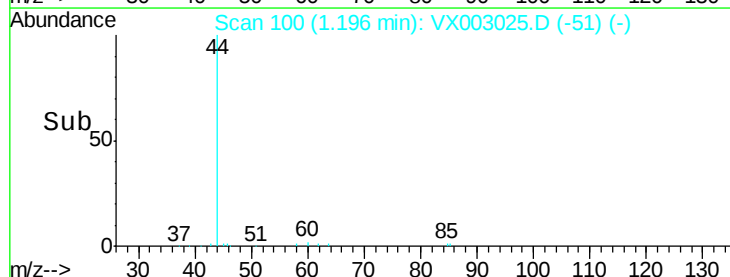
100

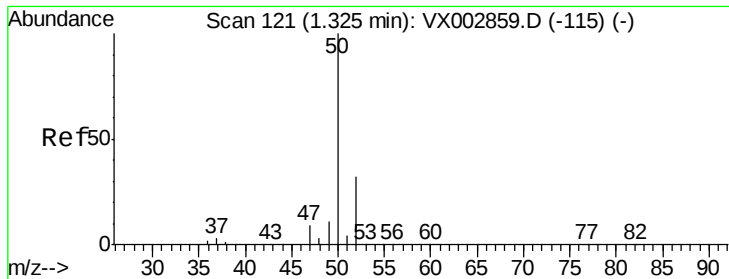
50

0

Time-->

1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003025.D

Acq: 29 Jun 2018 13:38

Instrument :

MSVOA_X

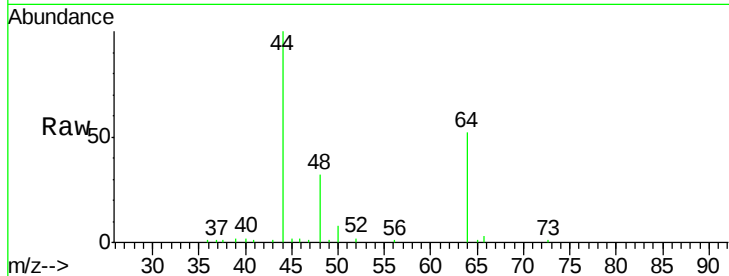
ClientSampled :

Tot Ion: 50 Resp: 1103

Ion Ratio Lower Upper

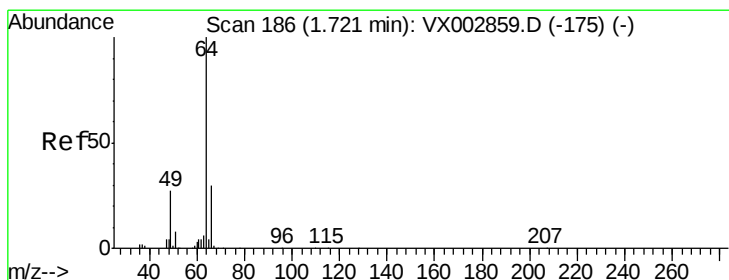
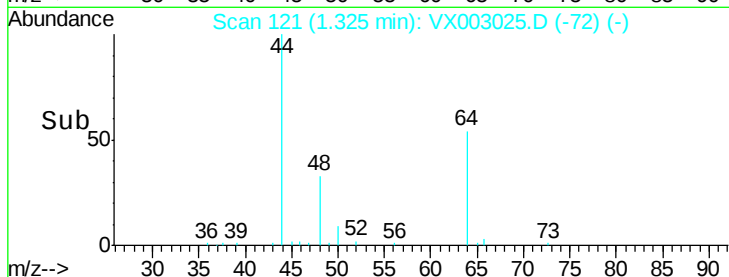
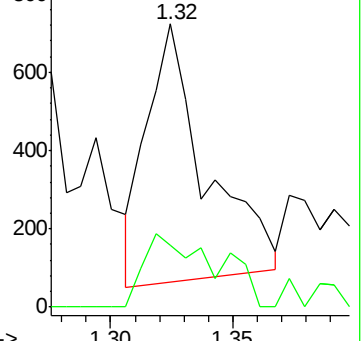
50 100

52 27.2 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.84 min Scan# 205

Delta R.T. 0.12 min

Lab File: VX003025.D

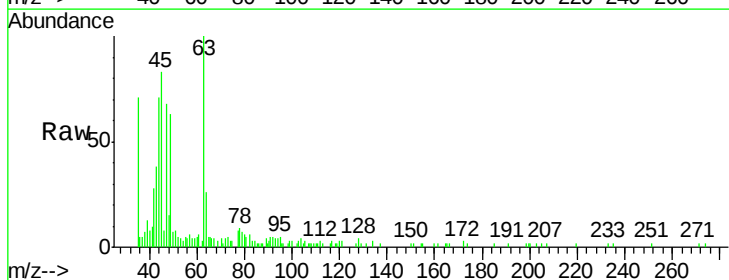
Acq: 29 Jun 2018 13:38

Tgt Ion: 64 Resp: 264

Ion Ratio Lower Upper

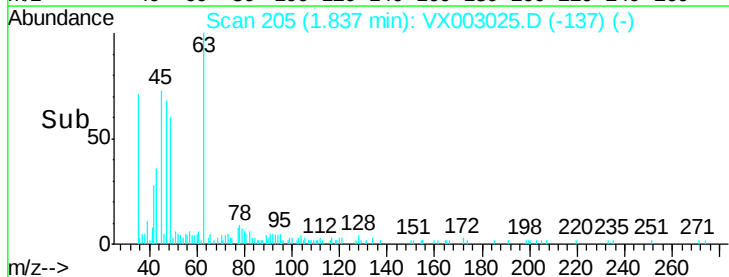
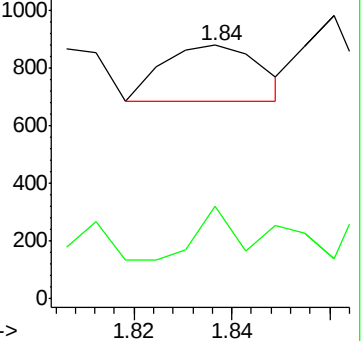
64 100

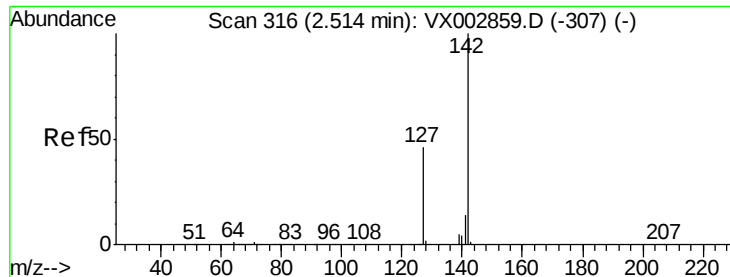
66 96.9 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

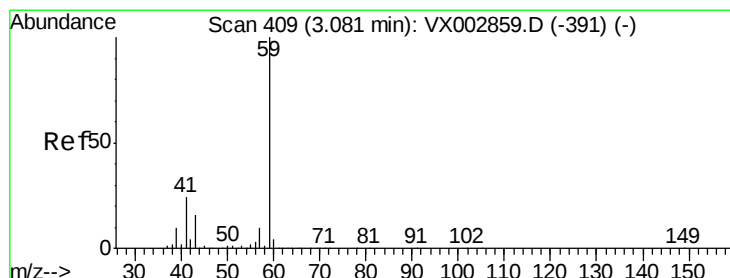
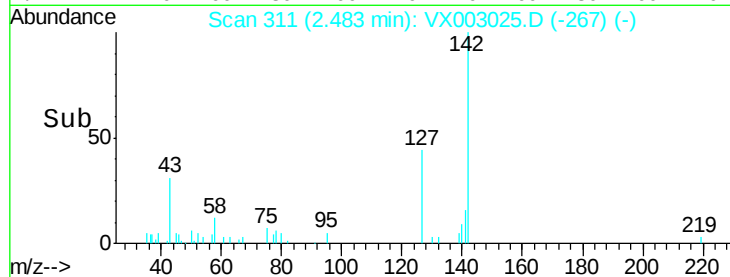
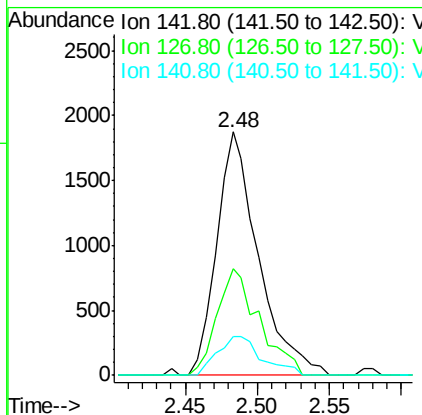
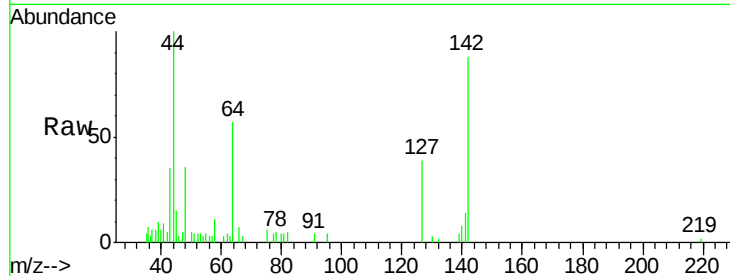




#10
Methvl Iodide
Concen: 7.38 ug/l
RT: 2.48 min Scan# 311
Delta R.T. -0.03 min
Lab File: VX003025.D
Acq: 29 Jun 2018 13:38

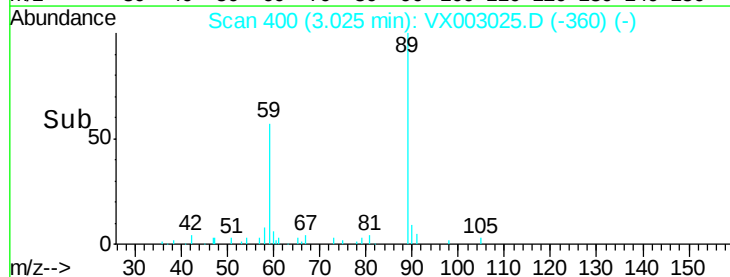
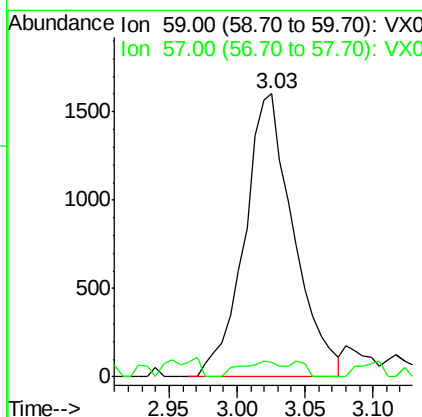
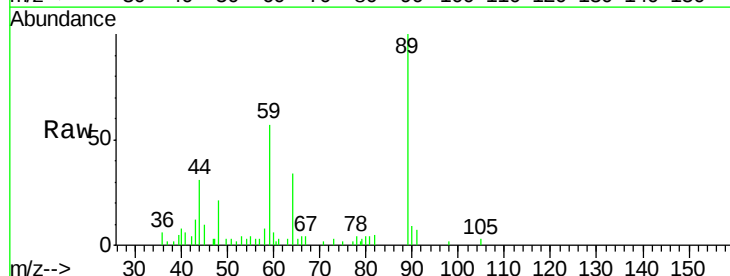
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 3787
Ion Ratio Lower Upper
142 100
127 44.3 36.6 55.0
141 17.2 11.3 16.9#



#11
Tert butyl alcohol
Concen: 5.71 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX003025.D
Acq: 29 Jun 2018 13:38

Tgt Ion: 59 Resp: 4043
Ion Ratio Lower Upper
59 100
57 4.8 8.2 12.2#





#13

Acrolein

Concen: 4.56 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003025.D

Acq: 29 Jun 2018 13:38

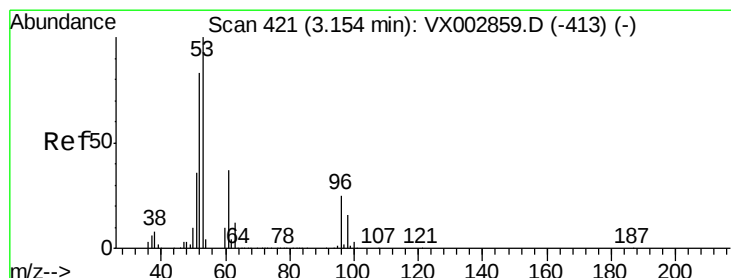
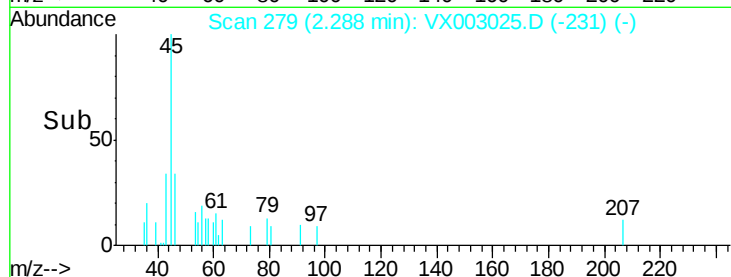
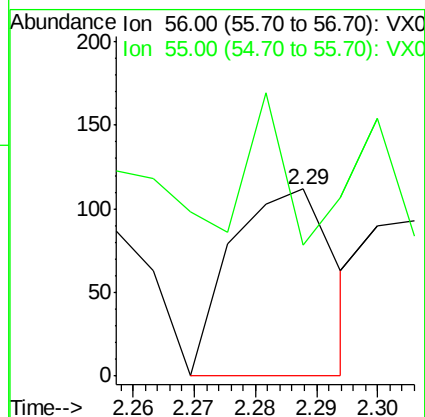
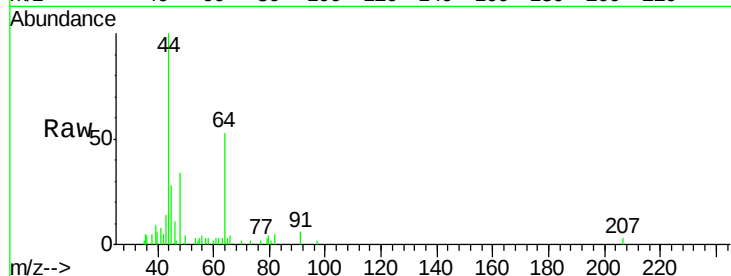
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 131

Ion Ratio Lower Upper

56 100

55 25.2 57.0 85.4#



#15

Acrylonitrile

Concen: 0.30 ug/l

RT: 3.18 min Scan# 426

Delta R.T. 0.03 min

Lab File: VX003025.D

Acq: 29 Jun 2018 13:38

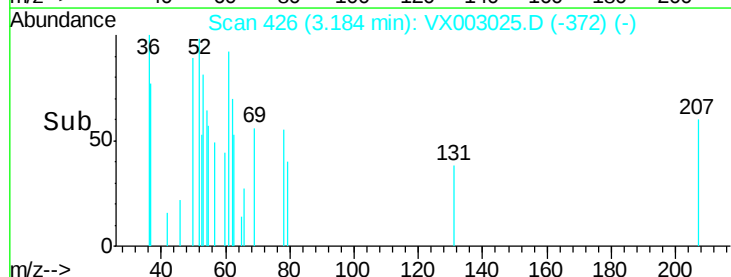
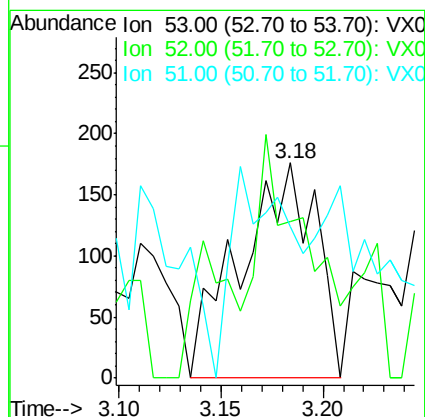
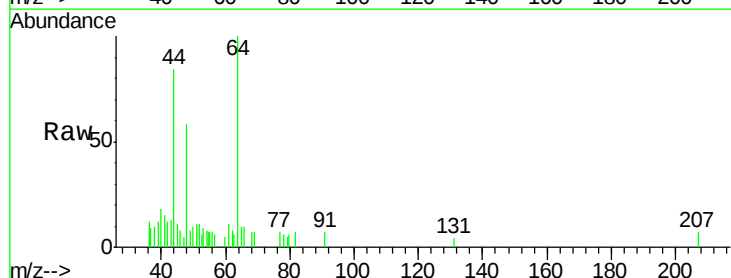
Tgt Ion: 53 Resp: 454

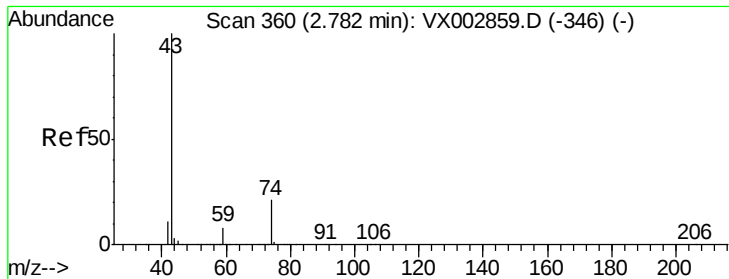
Ion Ratio Lower Upper

53 100

52 39.2 66.7 100.1#

51 0.0 29.9 44.9#

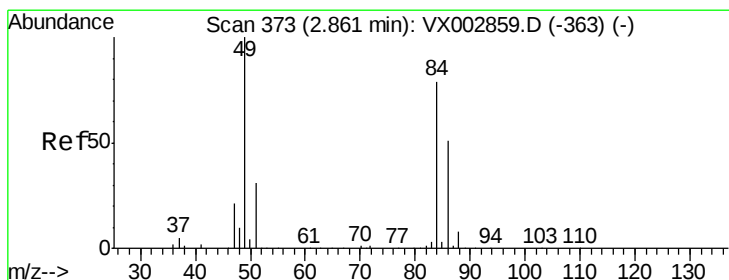
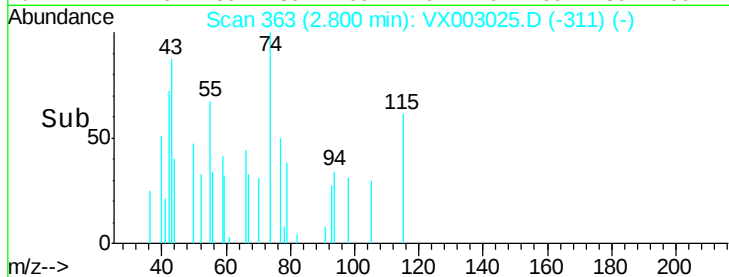
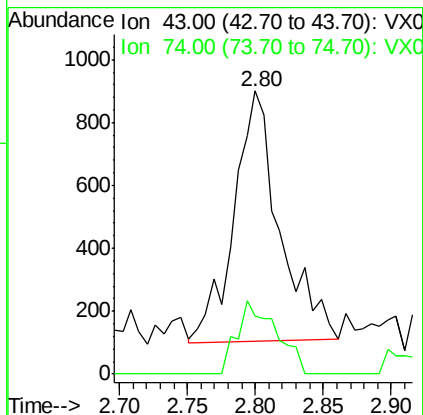
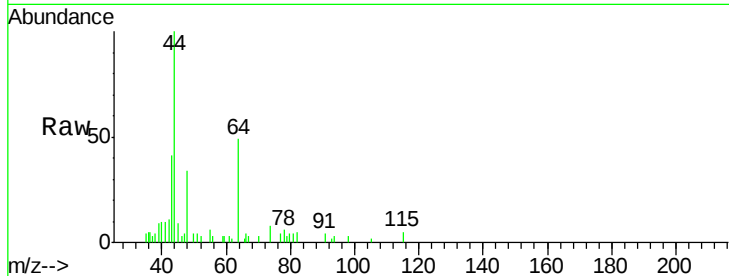




#18
Methyl Acetate
Concen: 0.46 ug/l
RT: 2.80 min Scan# 363
Delta R.T. 0.02 min
Lab File: VX003025.D
Acq: 29 Jun 2018 13:38

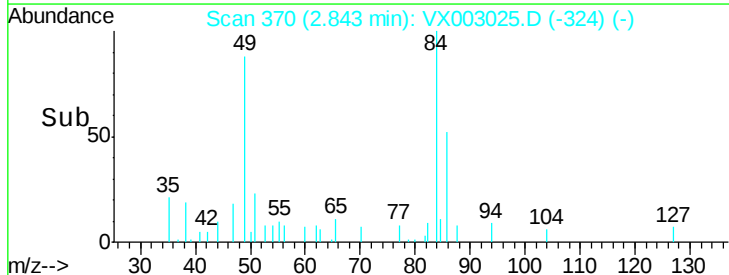
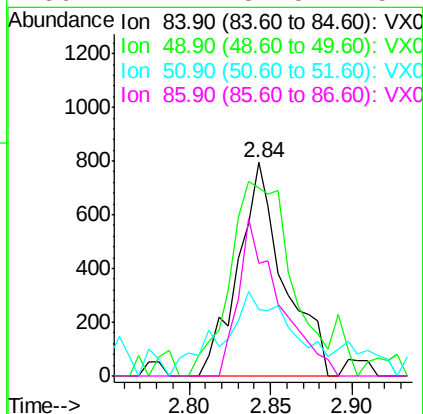
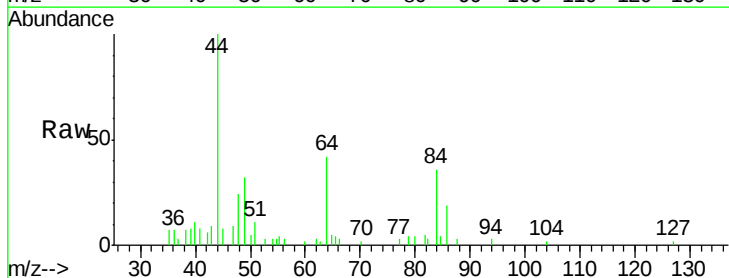
Instrument :
MSVOA_X
ClientSampled :

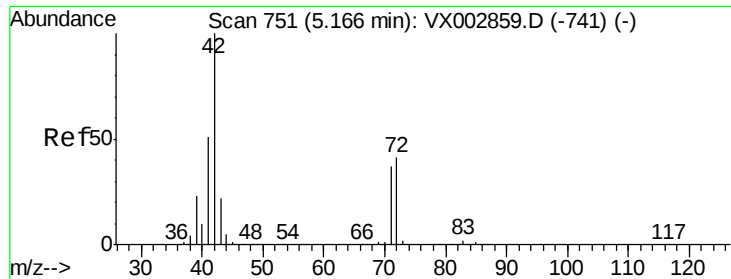
Tot Ion: 43 Resp: 1883
Ion Ratio Lower Upper
43 100
74 25.0 16.7 25.1



#20
Methylene Chloride
Concen: 0.55 ug/l
RT: 2.84 min Scan# 370
Delta R.T. -0.02 min
Lab File: VX003025.D
Acq: 29 Jun 2018 13:38

Tgt Ion: 84 Resp: 1562
Ion Ratio Lower Upper
84 100
49 79.3 107.8 161.6#
51 18.1 32.8 49.2#
86 47.2 52.5 78.7#

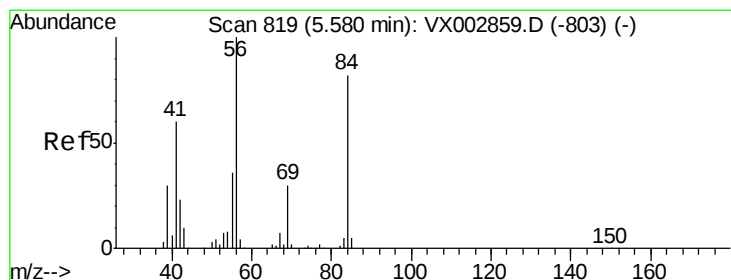
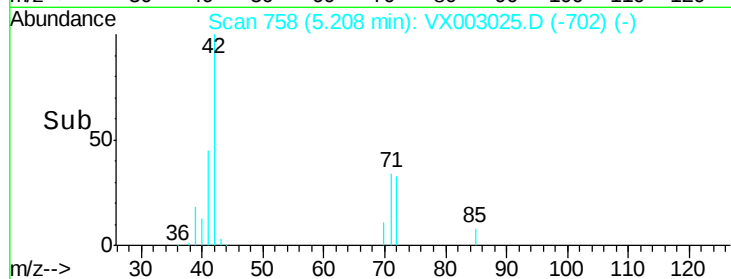
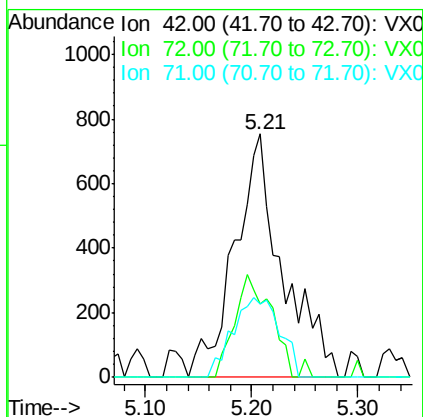
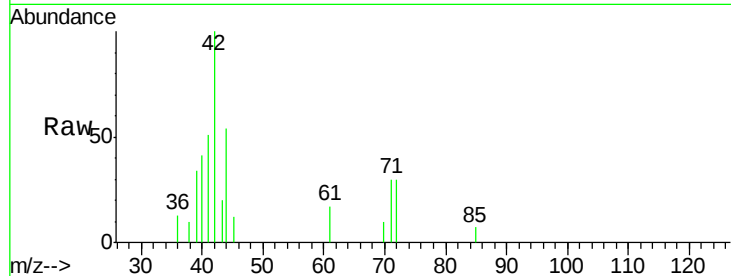




#29
Tetrahydrofuran
Concen: 1.69 ug/l
RT: 5.21 min Scan# 758
Delta R.T. 0.04 min
Lab File: VX003025.D
Acq: 29 Jun 2018 13:38

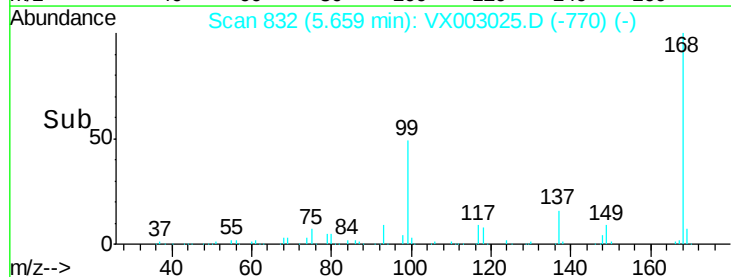
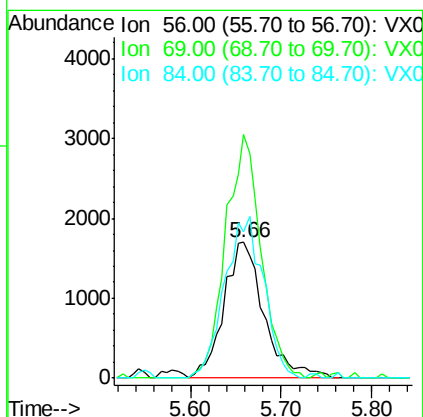
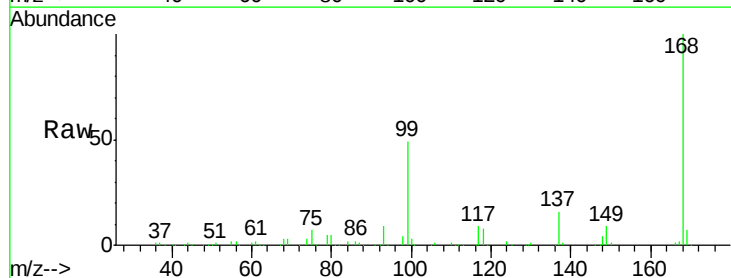
Instrument :
MSVOA_X
ClientSampled :

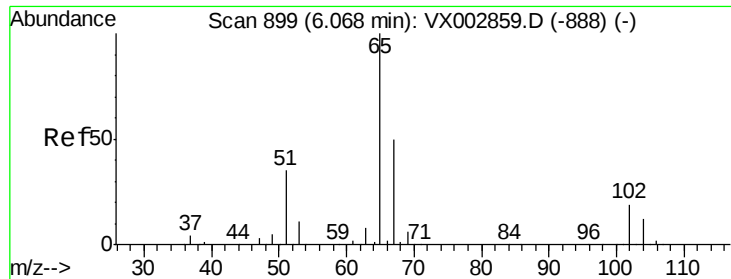
Tot Ion	Ratio	Lower	Upper
42	100		
72	32.3	32.0	48.0
71	32.4	30.1	45.1



#31
Cyclohexane
Concen: 1.17 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX003025.D
Acq: 29 Jun 2018 13:38

Tgt Ion	Ratio	Lower	Upper
56	100		
69	179.0	23.7	35.5#
84	107.8	64.1	96.1#





#33

1,2-Dichloroethane-d4

Concen: 47.58 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003025.D

Acq: 29 Jun 2018 13:38

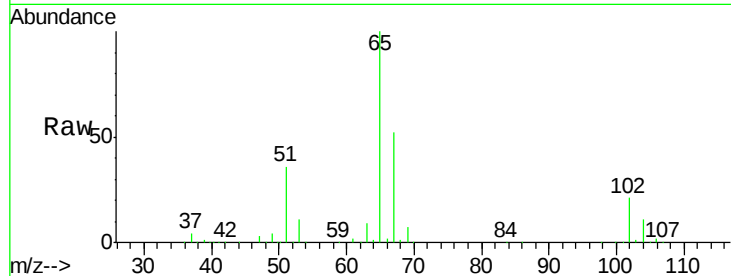
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 169087

Ion Ratio Lower Upper

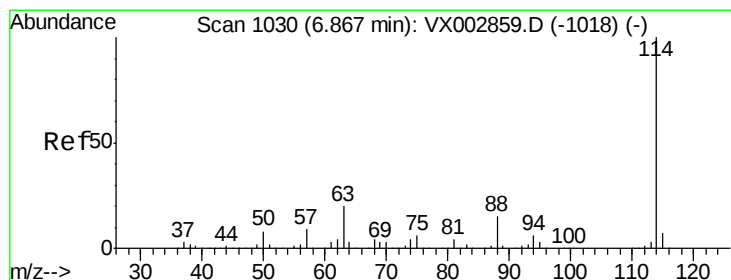
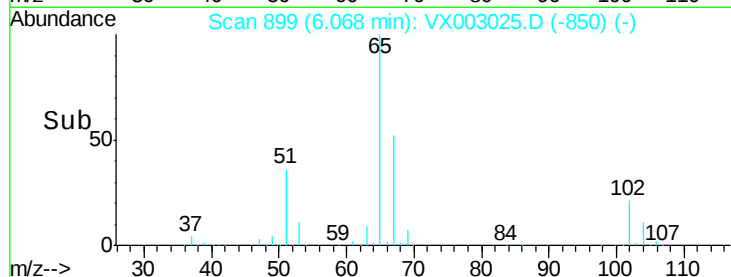
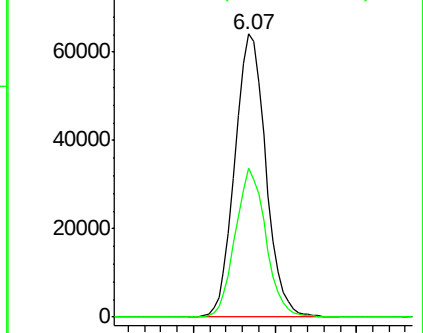
65 100

67 51.7 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: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX003025.D

Acq: 29 Jun 2018 13:38

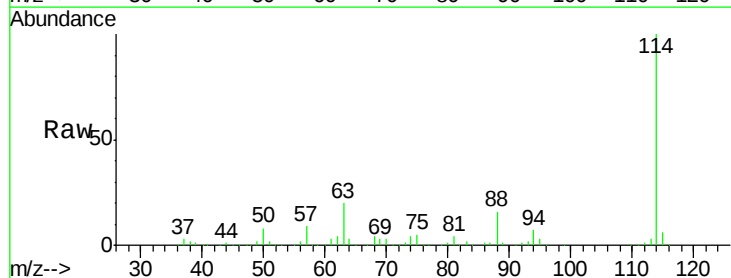
Tgt Ion: 114 Resp: 361350

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

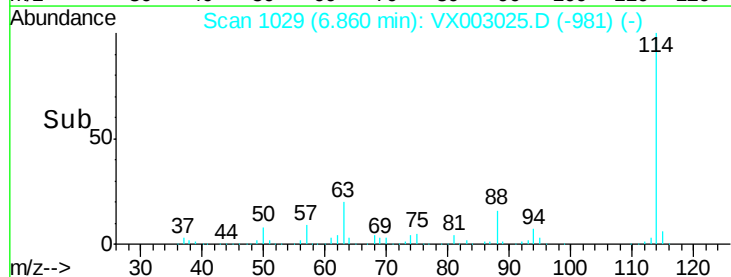
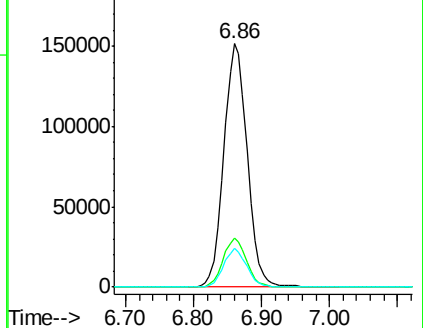
88 15.7 0.0 30.0

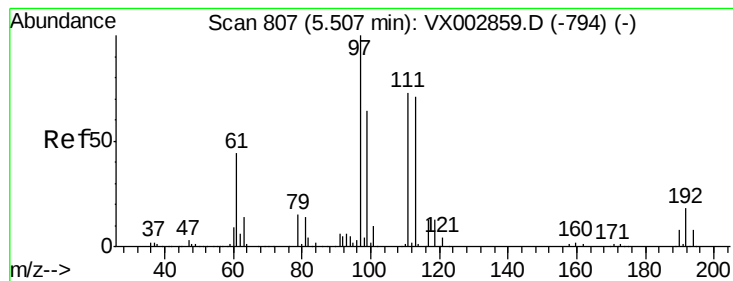


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.82 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003025.D

Acq: 29 Jun 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

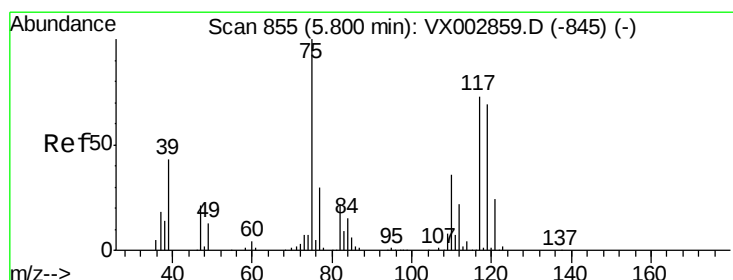
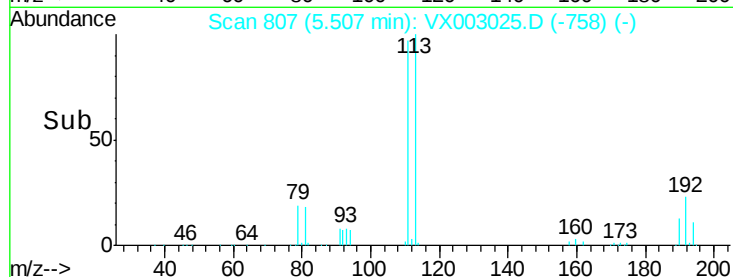
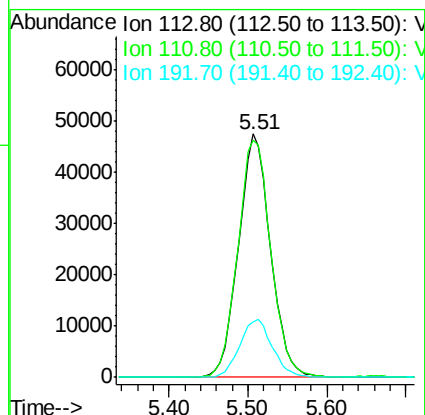
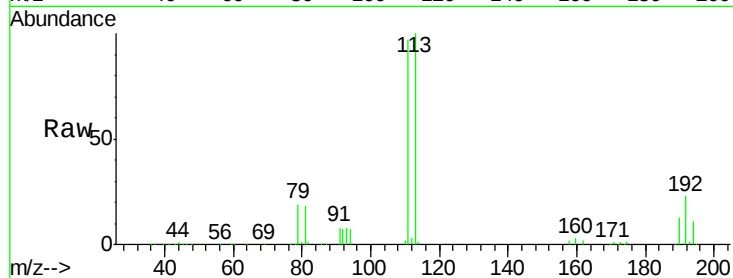
Tot Ion:113 Resp: 133987

Ion Ratio Lower Upper

113 100

111 100.8 81.4 122.0

192 24.3 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.39 ug/l

RT: 5.65 min Scan# 831

Delta R.T. -0.15 min

Lab File: VX003025.D

Acq: 29 Jun 2018 13:38

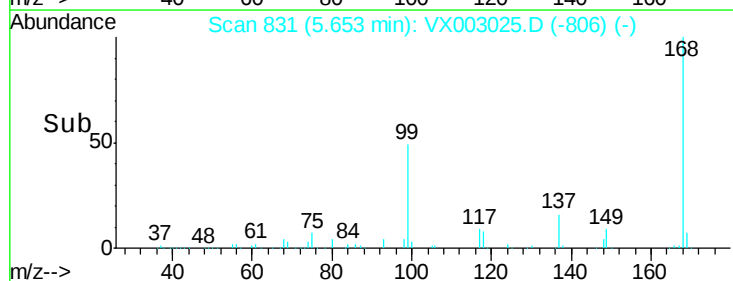
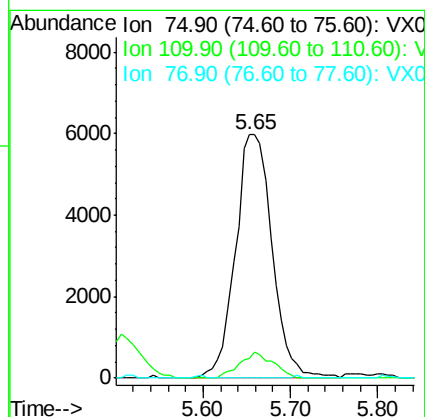
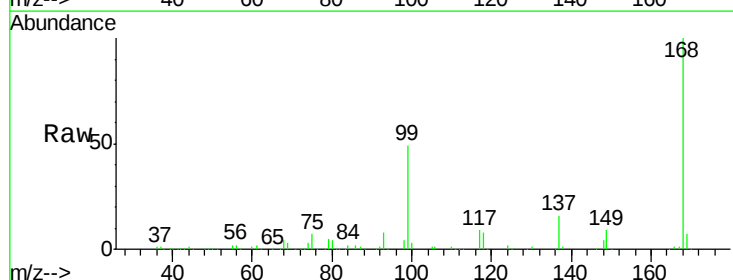
Tgt Ion: 75 Resp: 17400

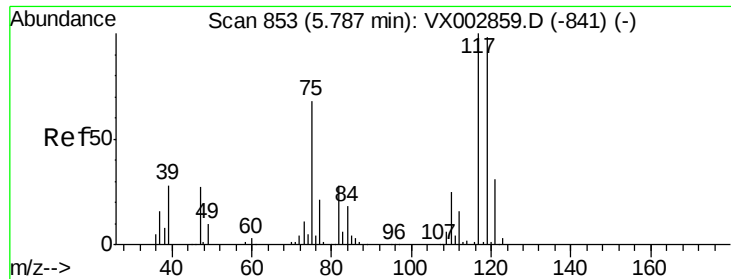
Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.4#

77 0.0 24.3 36.5#

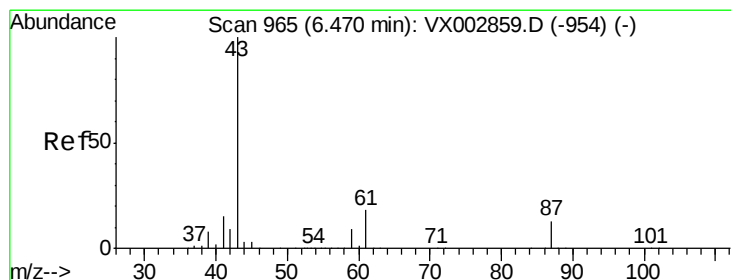
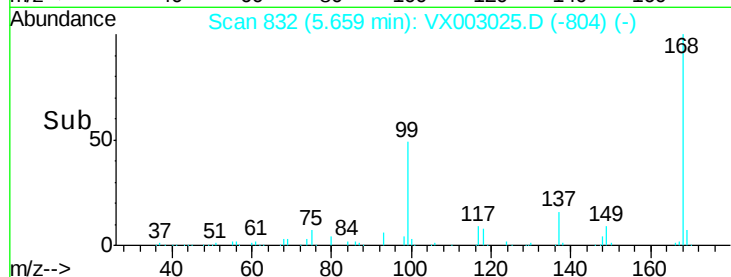
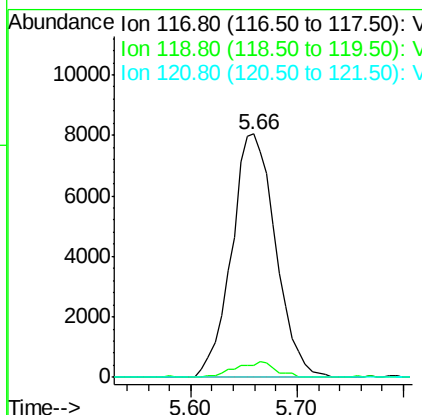
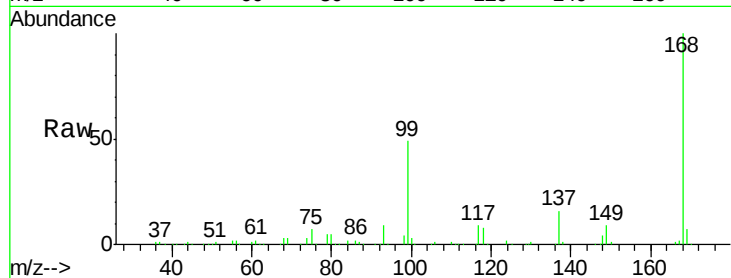




#38
Carbon Tetrachloride
Concen: 5.34 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.13 min
Lab File: VX003025.D
Acq: 29 Jun 2018 13:38

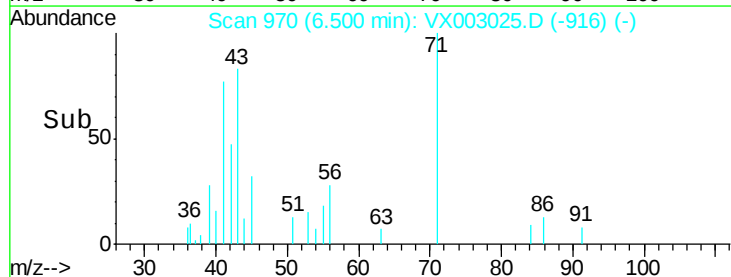
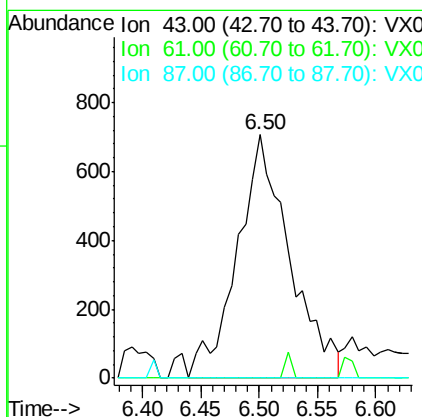
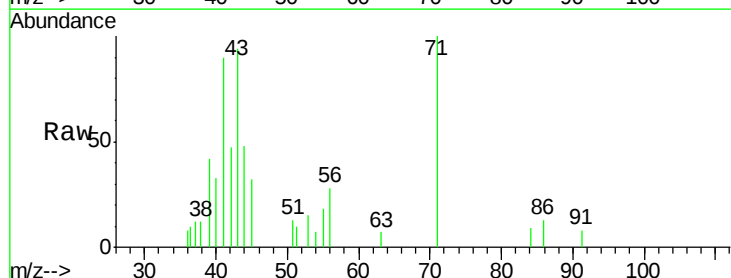
Instrument :
MSVOA_X
ClientSampled :

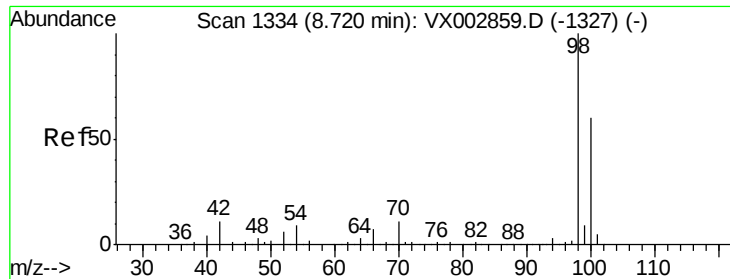
Tot Ion:117 Resp: 23208
Ion Ratio Lower Upper
117 100
119 4.9 77.4 116.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 0.31 ug/l
RT: 6.50 min Scan# 970
Delta R.T. 0.03 min
Lab File: VX003025.D
Acq: 29 Jun 2018 13:38

Tgt Ion: 43 Resp: 2217
Ion Ratio Lower Upper
43 100
61 0.0 14.4 21.6#
87 0.0 9.5 14.3#





#50

Toluene-d8

Concen: 48.24 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003025.D

Acq: 29 Jun 2018 13:38

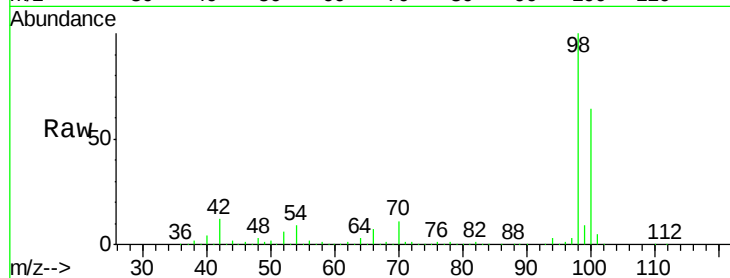
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 504082

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

300000

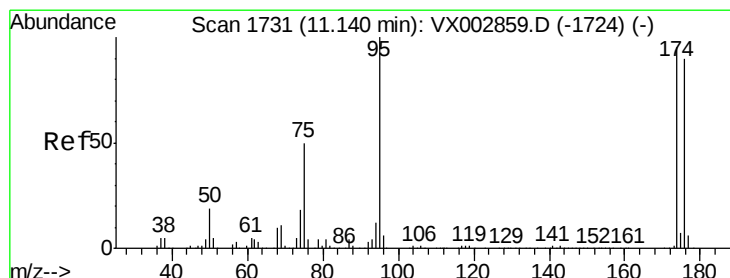
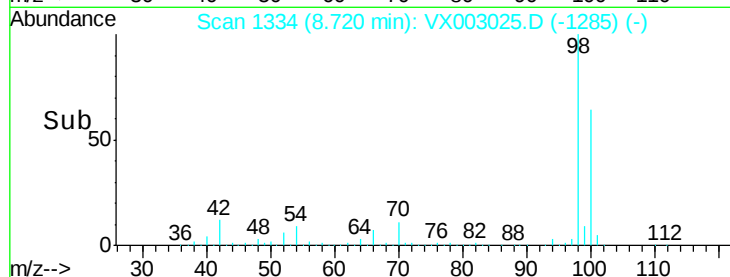
200000

100000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 47.41 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX003025.D

Acq: 29 Jun 2018 13:38

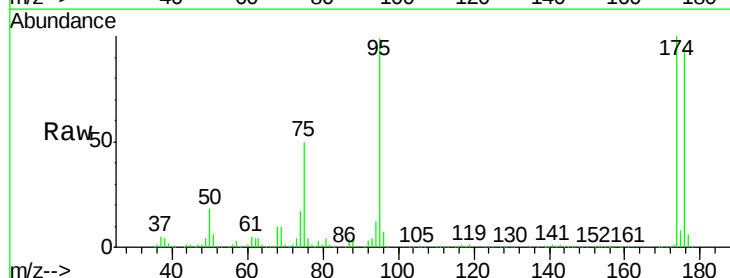
Tgt Ion: 95 Resp: 191044

Ion Ratio Lower Upper

95 100

174 96.1 0.0 187.4

176 93.5 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

200000

150000

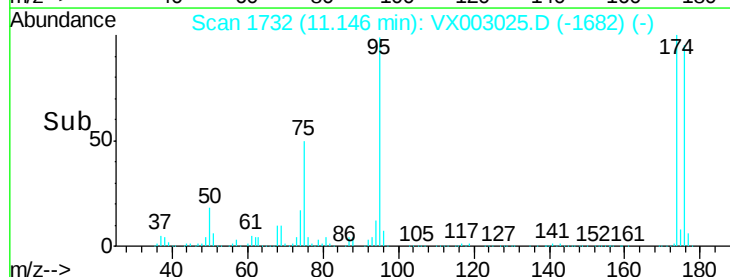
100000

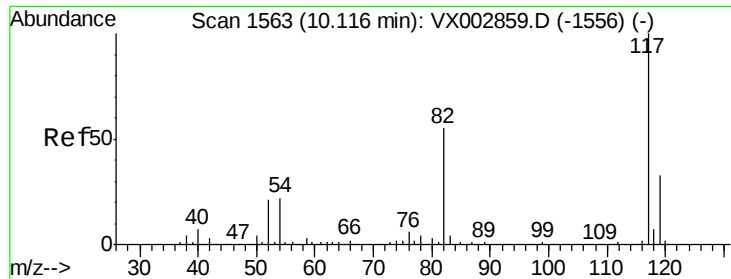
50000

0

Time-->

11.10 11.20

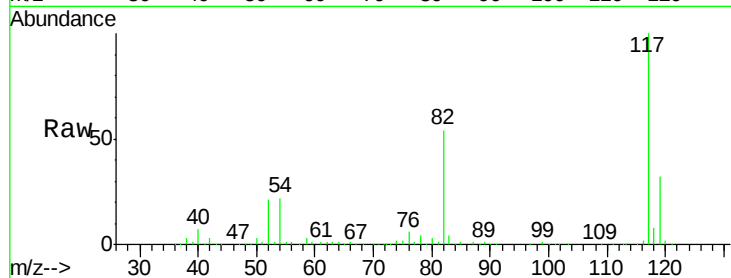




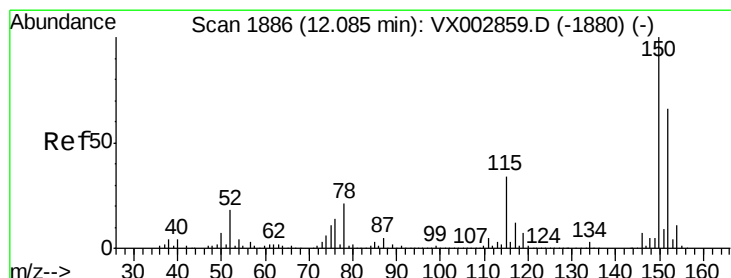
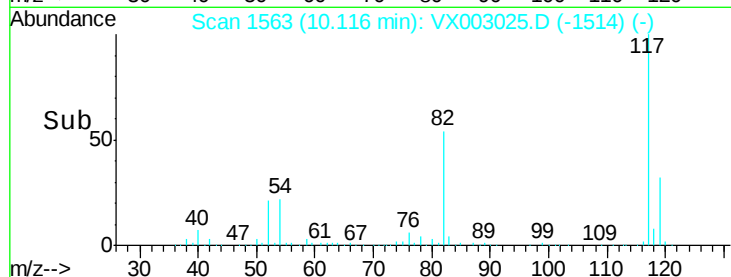
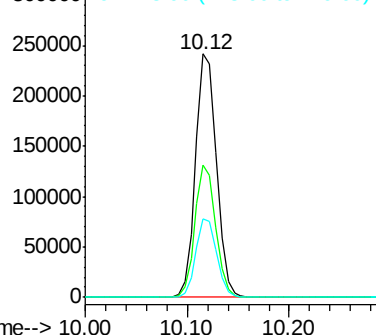
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003025.D
Acq: 29 Jun 2018 13:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 344947
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.4
119 32.3 25.8 38.6

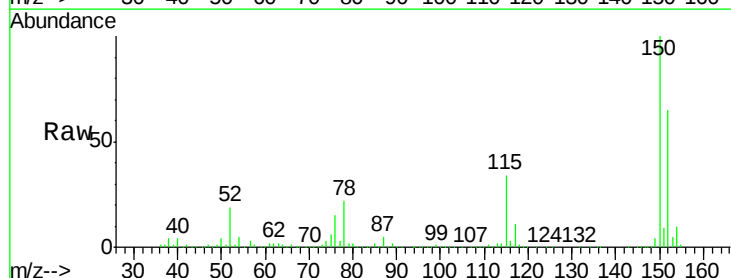


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

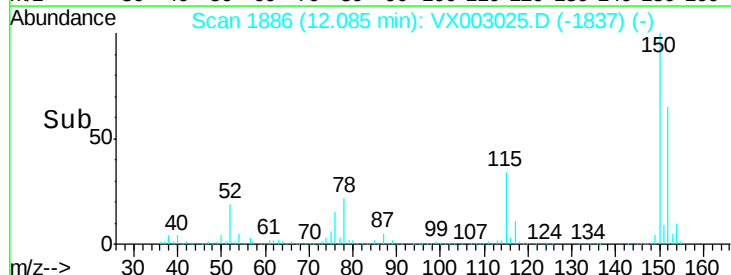
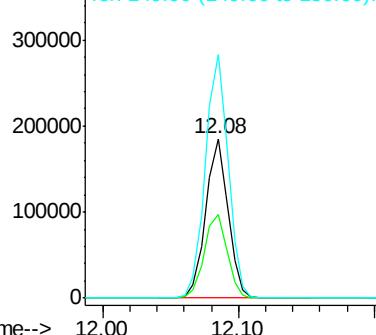


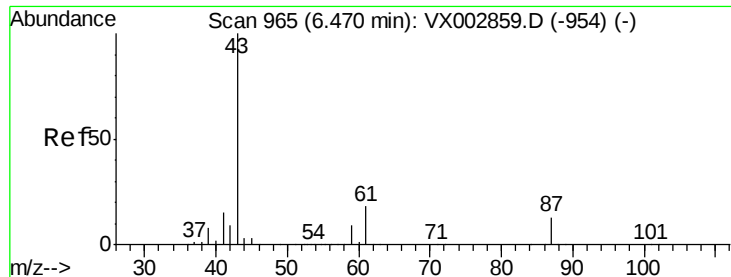
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003025.D
Acq: 29 Jun 2018 13:38

Tgt Ion:152 Resp: 211787
Ion Ratio Lower Upper
152 100
115 54.2 40.1 120.2
150 156.2 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





#74

N-amyl acetate

Concen: 0.32 ug/l

RT: 6.50 min Scan# 970

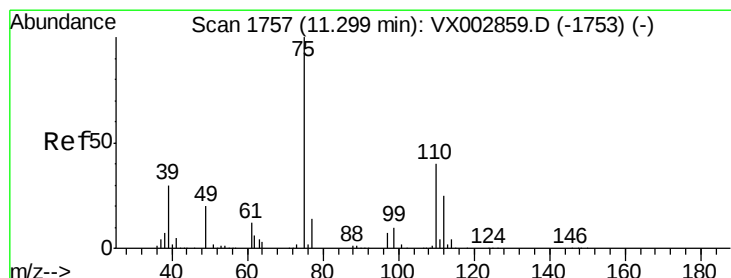
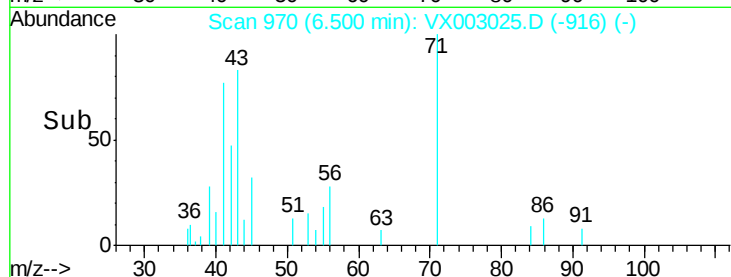
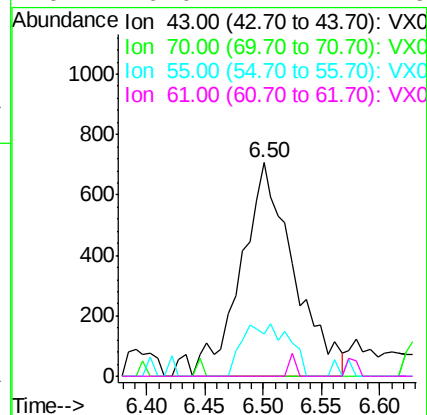
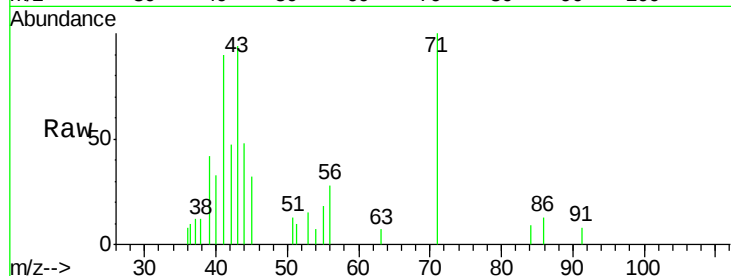
Delta R.T. 0.03 min

Lab File: VX003025.D

Acq: 29 Jun 2018 13:38

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	43	Resp:	2217
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	11.1	0.0	0.0#
61	0.0	14.4	21.6#



#76

1,2,3-Trichloropropane

Concen: 25.56 ug/l

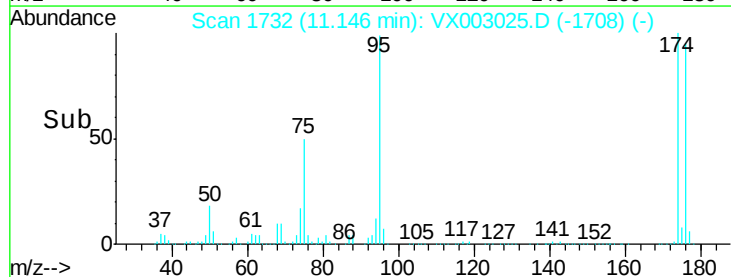
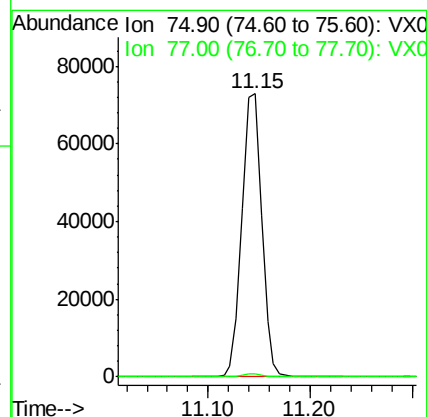
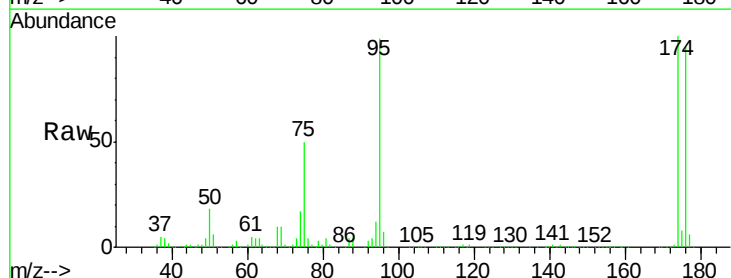
RT: 11.15 min Scan# 1732

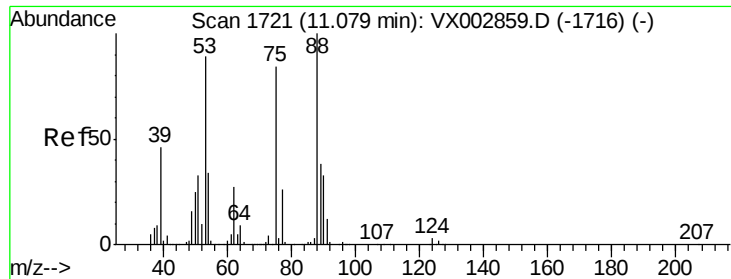
Delta R.T. -0.15 min

Lab File: VX003025.D

Acq: 29 Jun 2018 13:38

Tgt Ion:	75	Resp:	98049
Ion	Ratio	Lower	Upper
75	100		
77	1.2	22.8	68.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 72.53 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX003025.D

Acq: 29 Jun 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 98049

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

