

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111518\
 Data File : VX006026.D
 Acq On : 15 Nov 2018 18:00
 Operator : JC/MD
 Sample : J5860-23ME
 Misc : 5.18g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 16 00:18:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	140739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	194799	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	179778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97608	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	77821	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
35) Dibromofluoromethane	5.50	113	61345	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
50) Toluene-d8	8.71	98	235612	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
62) 4-Bromofluorobenzene	11.14	95	86869	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	

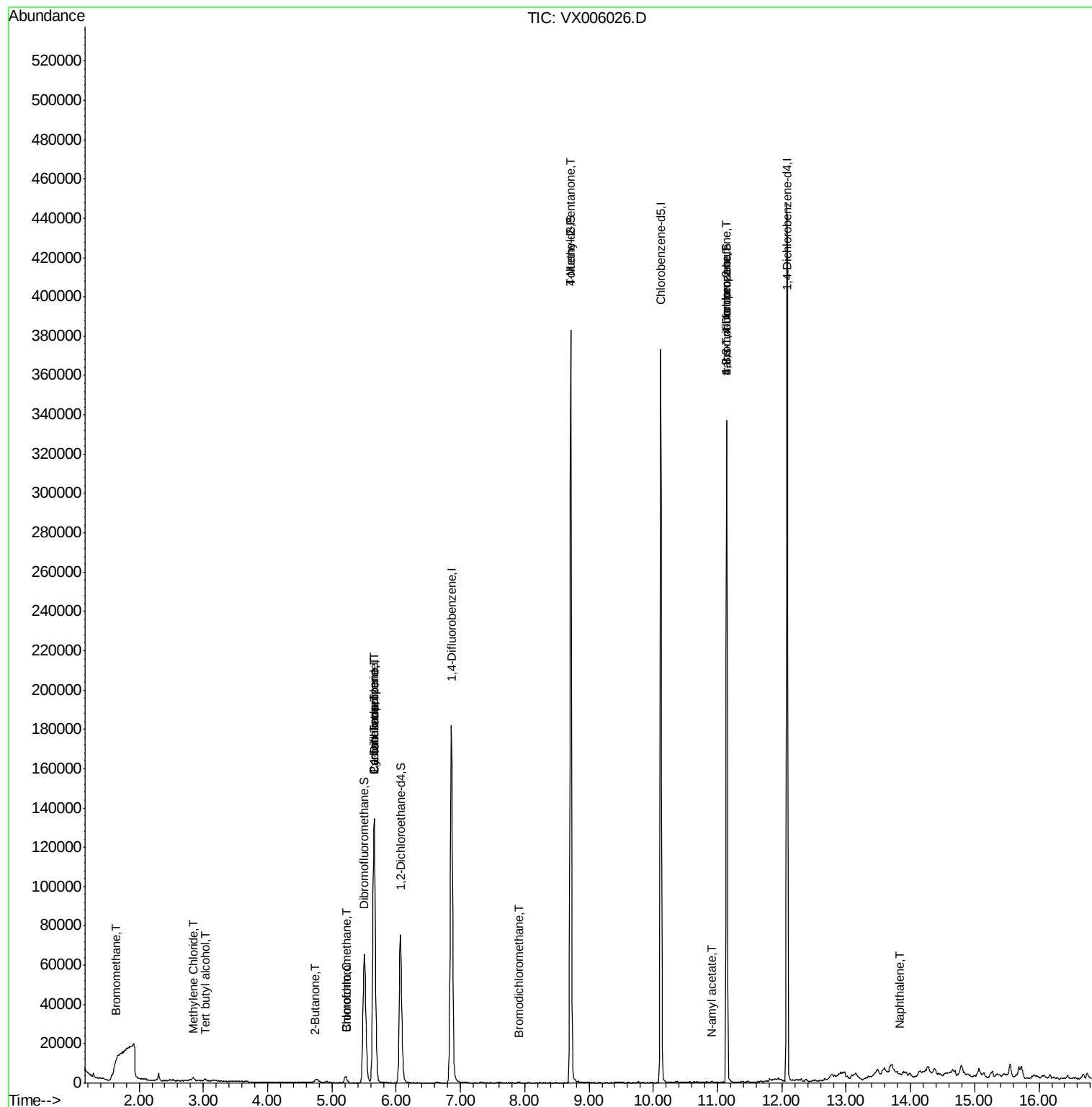
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	586	0.573	ug/l	93
11) Tert butyl alcohol	3.03	59	1005	2.168	ug/l #	72
18) Methyl Acetate	2.79	43	375	Below Cal	#	55
20) Methylene Chloride	2.84	84	787	0.550	ug/l #	84
25) 2-Butanone	4.74	43	872	0.637	ug/l #	83
28) Bromochloromethane	5.21	49	320	0.276	ug/l #	15
30) Chloroform	5.21	83	3853	1.538	ug/l	97
31) Cyclohexane	5.65	56	2480	1.100	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	9475	5.046	ug/l #	49
38) Carbon Tetrachloride	5.66	117	12243	6.512	ug/l #	16
47) Bromodichloromethane	7.90	83	379	0.241	ug/l #	91
51) 4-Methyl-2-Pentanone	8.71	43	1115	0.494	ug/l #	1
74) N-amyl acetate	10.90	43	216	1.317	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	42747	21.508	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	42747	68.549	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	521	Below Cal		93
95) Naphthalene	13.83	128	564	1.256	ug/l #	77

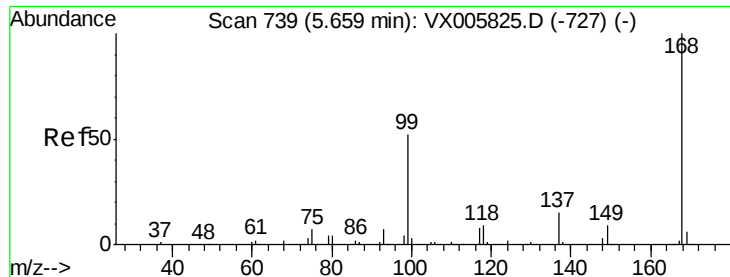
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 07 14:40:53 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006026.D

Acq: 15 Nov 2018 18:00

Instrument :

MSVOA_X

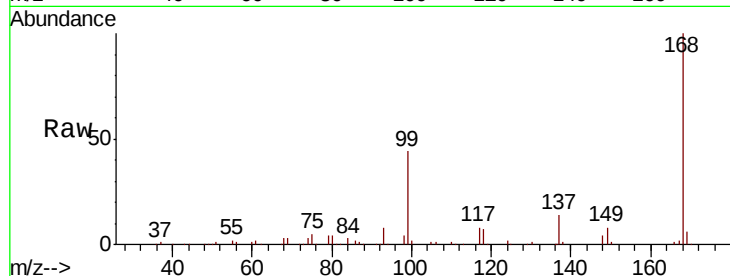
ClientSampleId :

Tot Ion:168 Resp: 140739

Ion Ratio Lower Upper

168 100

99 43.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

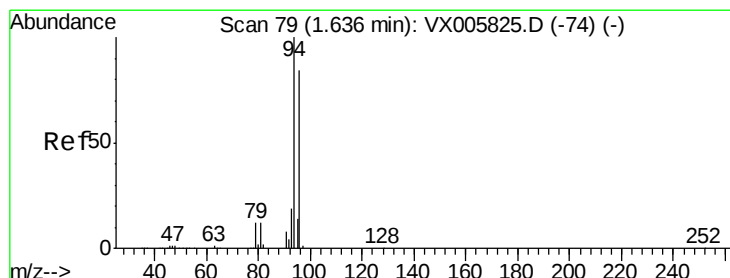
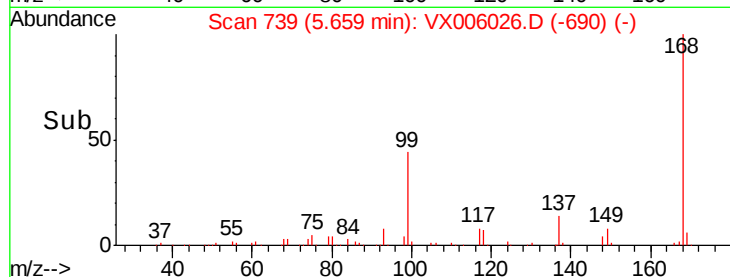
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.573 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006026.D

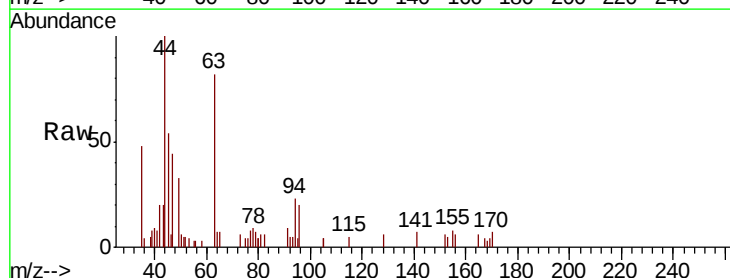
Acq: 15 Nov 2018 18:00

Tgt Ion: 94 Resp: 586

Ion Ratio Lower Upper

94 100

96 87.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

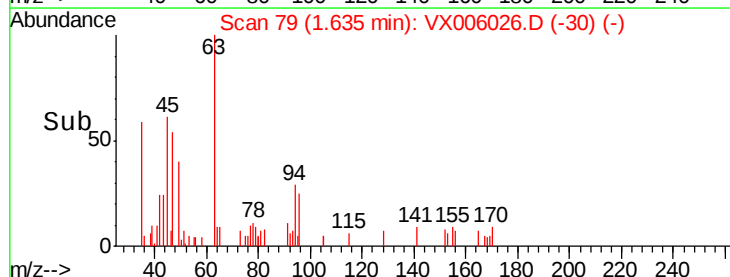
300

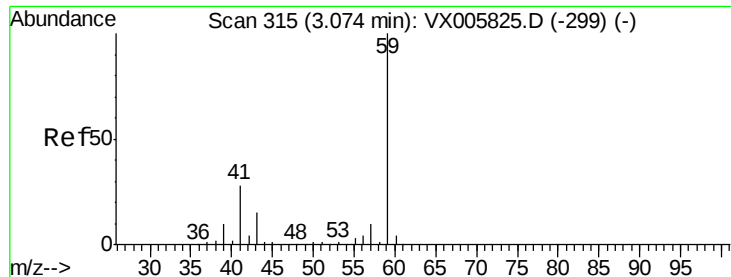
200

100

0

Time--> 1.60 1.65 1.70

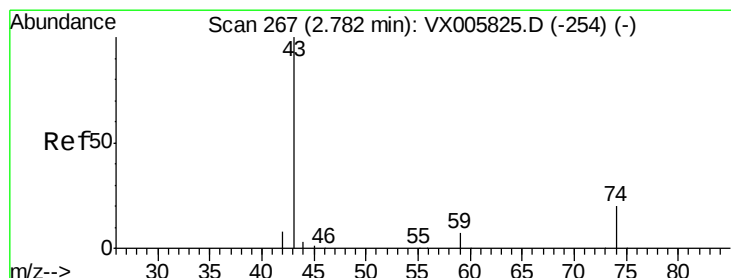
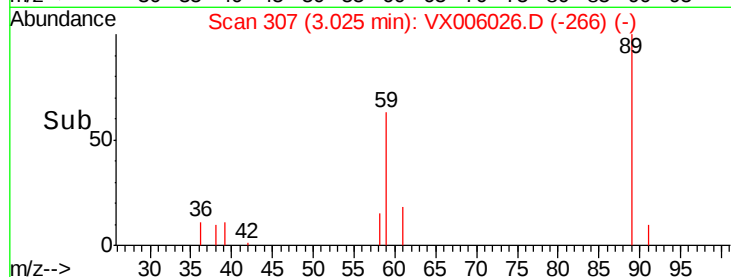
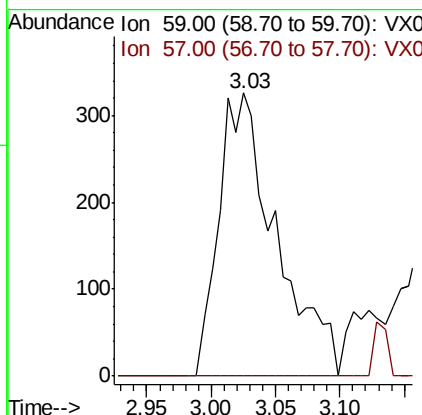
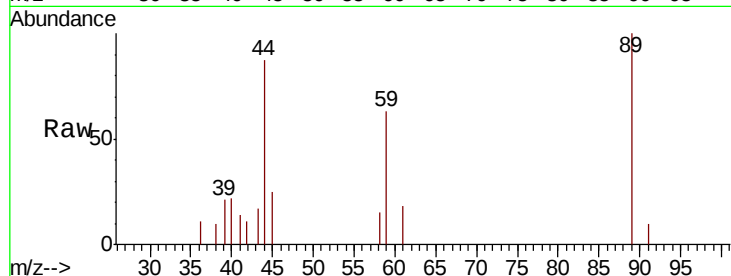




#11
Tert butyl alcohol
Concen: 2.168 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX006026.D
Acq: 15 Nov 2018 18:00

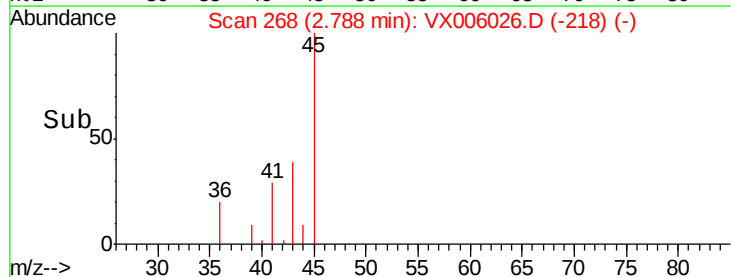
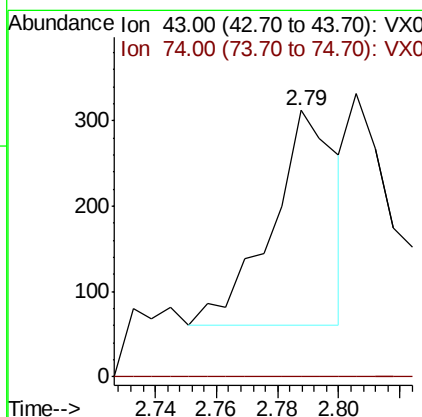
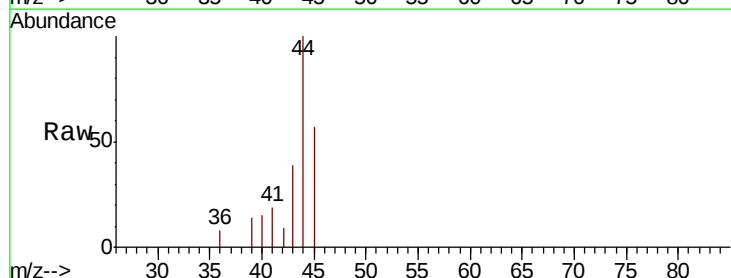
Instrument :
MSVOA_X
ClientSampleId :

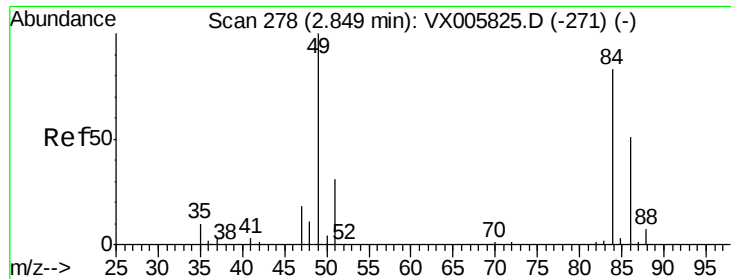
Tot Ion: 59 Resp: 1005
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX006026.D
Acq: 15 Nov 2018 18:00

Tgt Ion: 43 Resp: 375
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#

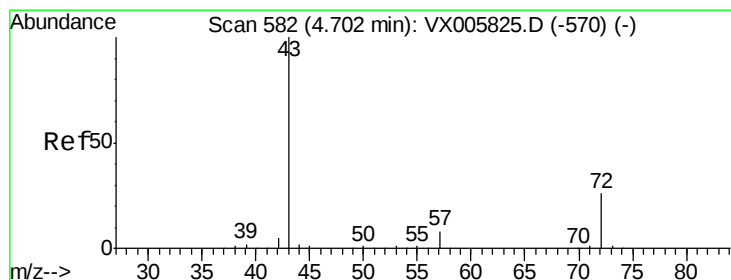
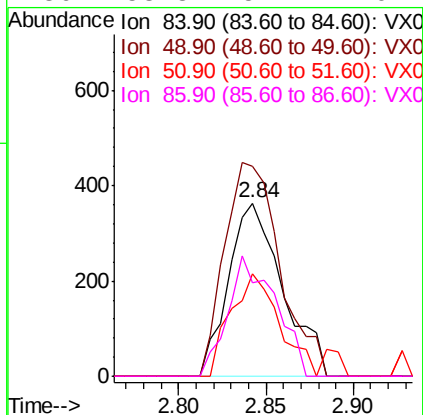
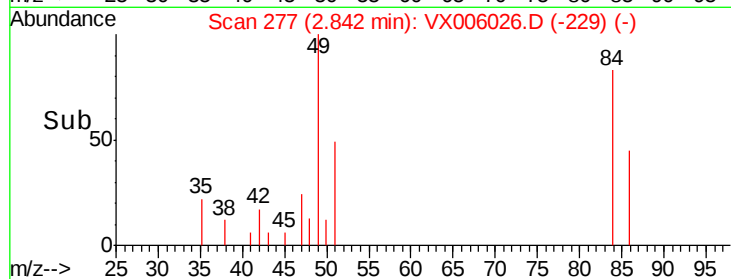
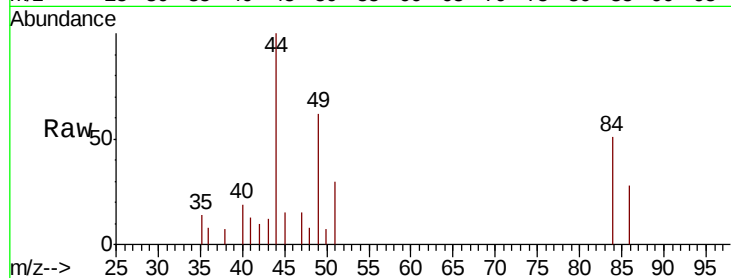




#20
Methvlene Chloride
Concen: 0.550 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX006026.D
Acq: 15 Nov 2018 18:00

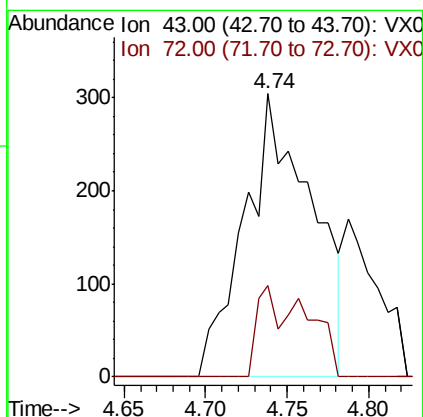
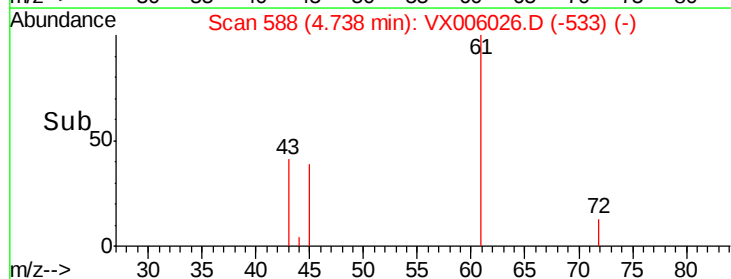
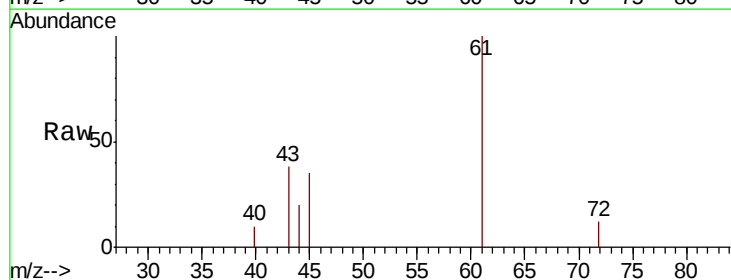
Instrument :
MSVOA_X
ClientSampleId :

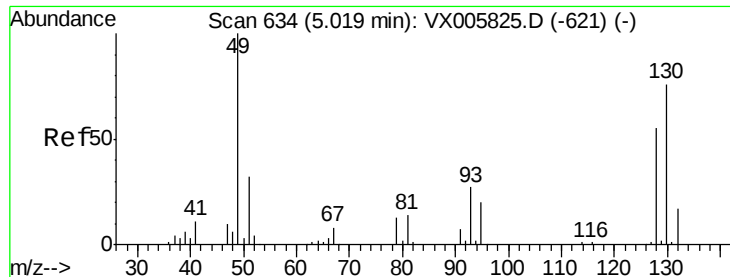
Tot Ion:	84	Resp:	787
Ion	Ratio	Lower	Upper
84	100		
49	120.9	109.5	164.3
51	59.1	33.3	49.9#
86	53.8	52.7	79.1



#25
2-Butanone
Concen: 0.637 ug/l
RT: 4.74 min Scan# 588
Delta R.T. 0.04 min
Lab File: VX006026.D
Acq: 15 Nov 2018 18:00

Tgt Ion:	43	Resp:	872
Ion	Ratio	Lower	Upper
43	100		
72	32.2	19.2	28.8#





#28

Bromochloromethane

Concen: 0.276 ug/l

RT: 5.21 min Scan# 666

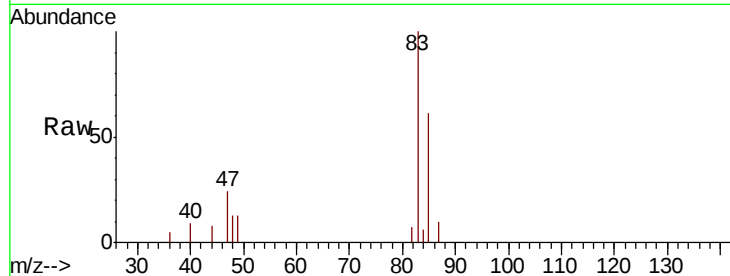
Delta R.T. 0.19 min

Lab File: VX006026.D

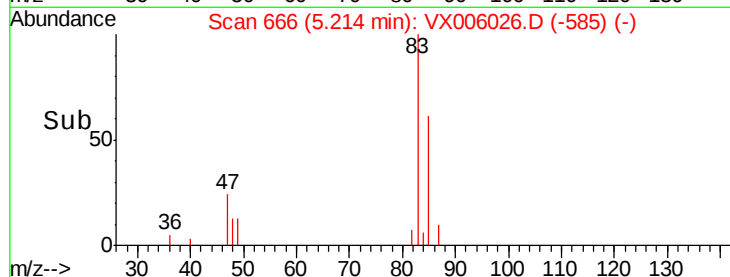
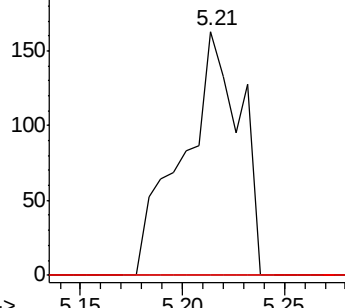
Acq: 15 Nov 2018 18:00

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 320
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 58.9 88.3#



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



#30

Chloroform

Concen: 1.538 ug/l

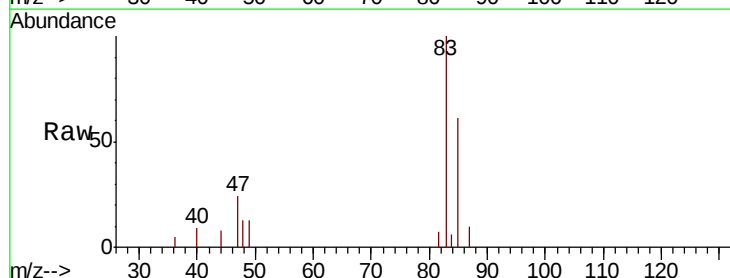
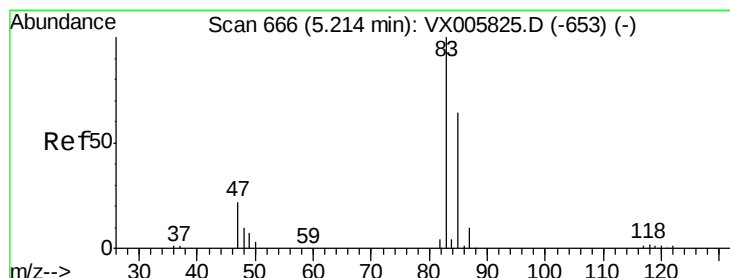
RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

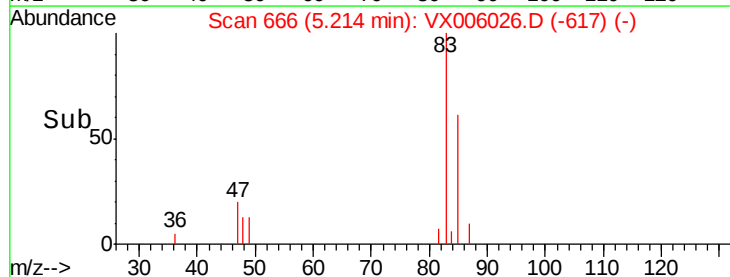
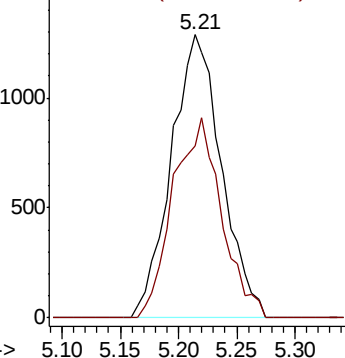
Lab File: VX006026.D

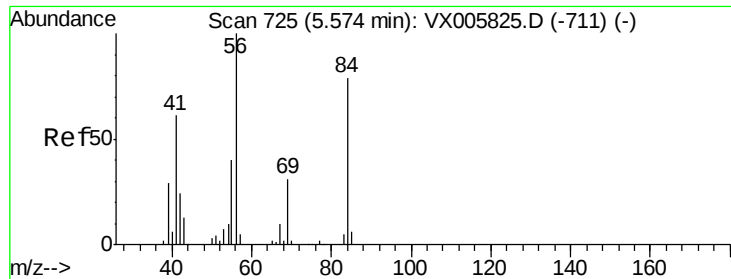
Acq: 15 Nov 2018 18:00

Tgt Ion: 83 Resp: 3853
Ion Ratio Lower Upper
83 100
85 60.8 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

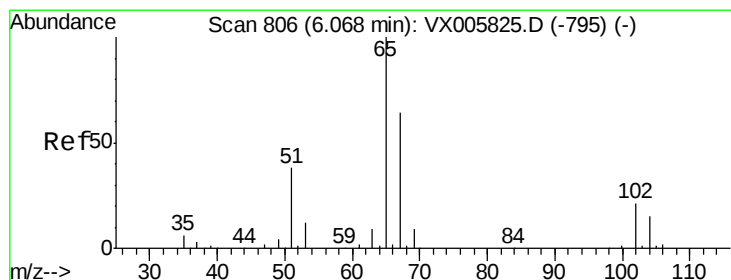
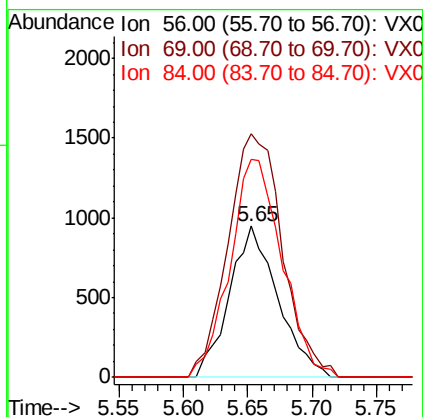
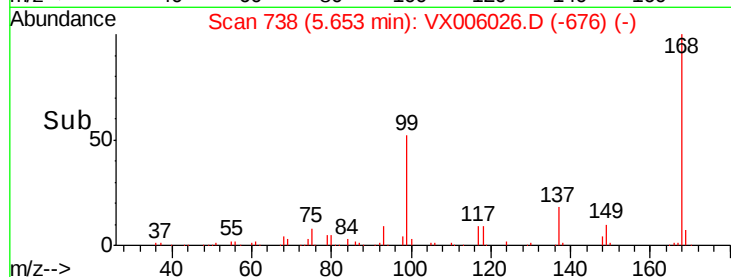
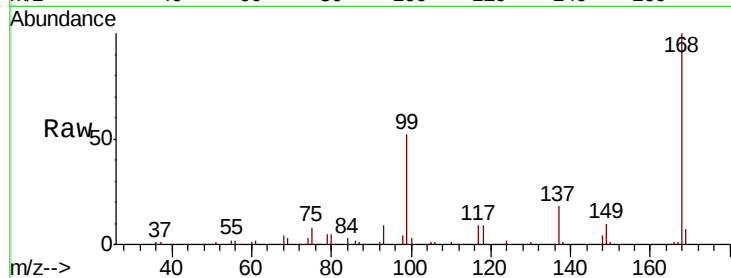




#31
Cyclohexane
Concen: 1.100 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX006026.D
Acq: 15 Nov 2018 18:00

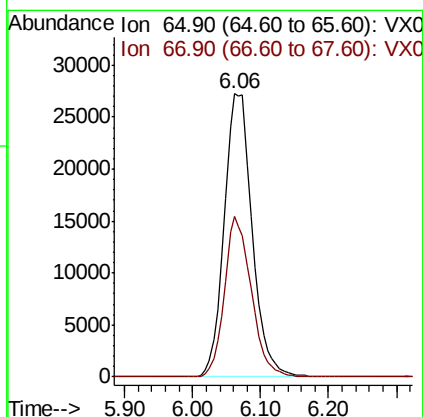
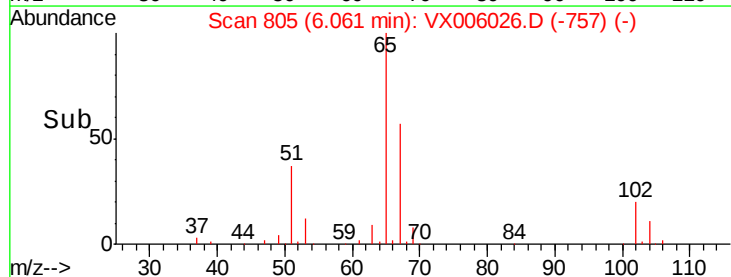
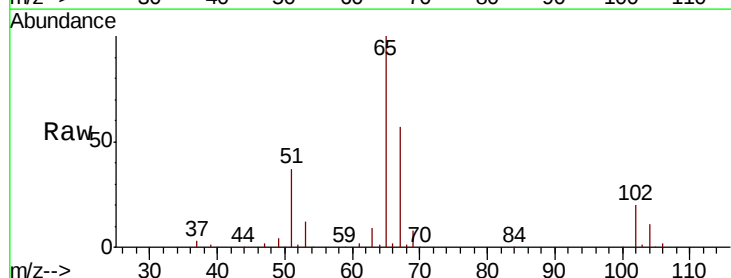
Instrument :
MSVOA_X
ClientSampleId :

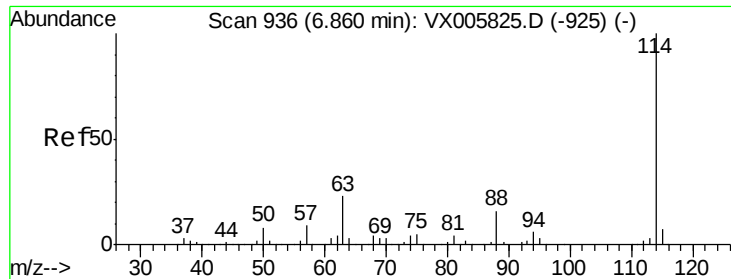
Tot Ion: 56 Resp: 2480
Ion Ratio Lower Upper
56 100
69 160.9 22.6 34.0#
84 144.3 62.7 94.1#



#33
1,2-Dichloroethane-d4
Concen: 48.098 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX006026.D
Acq: 15 Nov 2018 18:00

Tgt Ion: 65 Resp: 77821
Ion Ratio Lower Upper
65 100
67 54.2 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006026.D

Acq: 15 Nov 2018 18:00

Instrument :

MSVOA_X

ClientSampled :

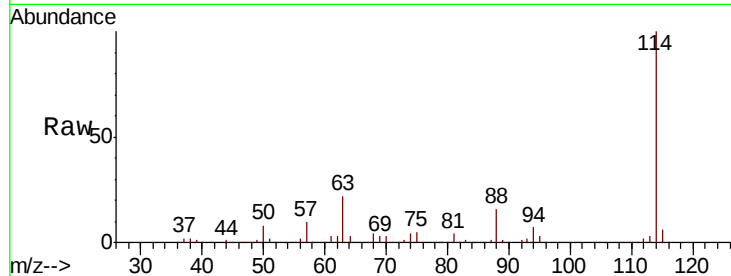
Tot Ion:114 Resp: 194799

Ion Ratio Lower Upper

114 100

63 22.2 0.0 42.8

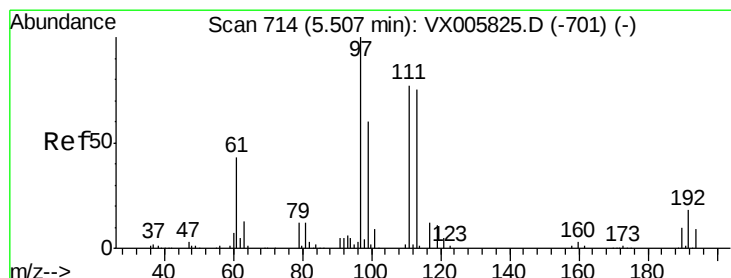
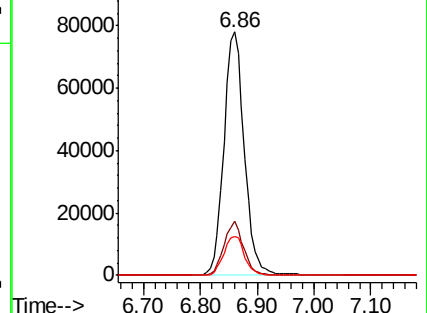
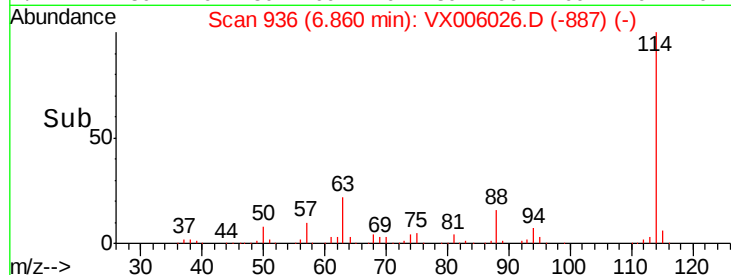
88 15.7 0.0 31.2



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: 46.301 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX006026.D

Acq: 15 Nov 2018 18:00

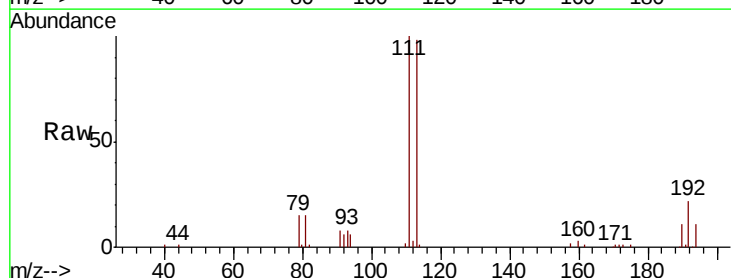
Tgt Ion:113 Resp: 61345

Ion Ratio Lower Upper

113 100

111 104.5 82.3 123.5

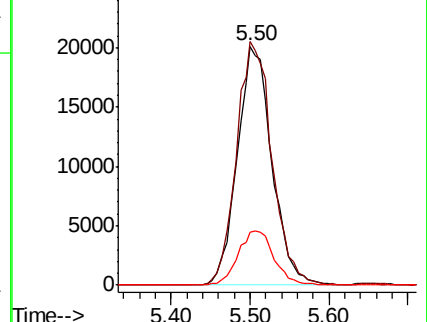
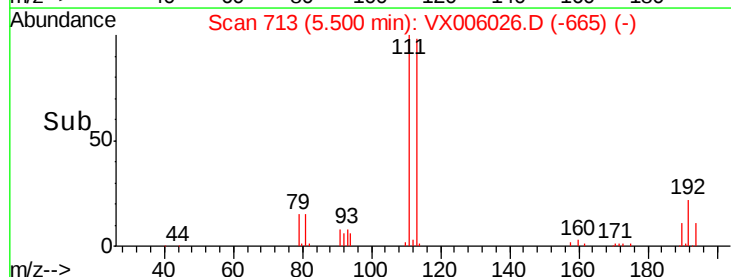
192 23.4 17.9 26.9

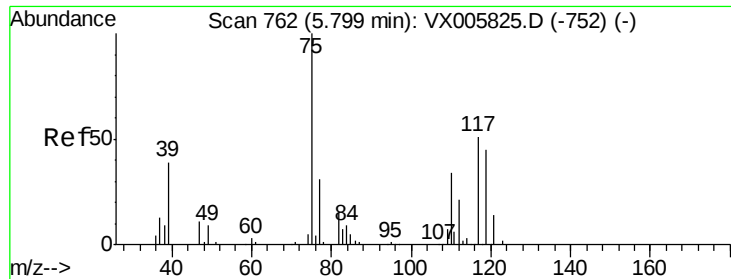


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.046 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX006026.D

Acq: 15 Nov 2018 18:00

Instrument :

MSVOA_X

ClientSampleId :

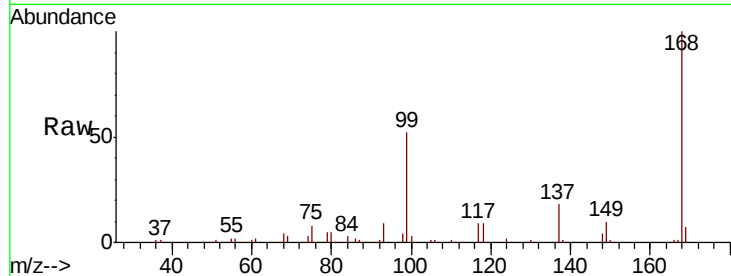
Tot Ion: 75 Resp: 9475

Ion Ratio Lower Upper

75 100

110 9.1 17.4 52.2#

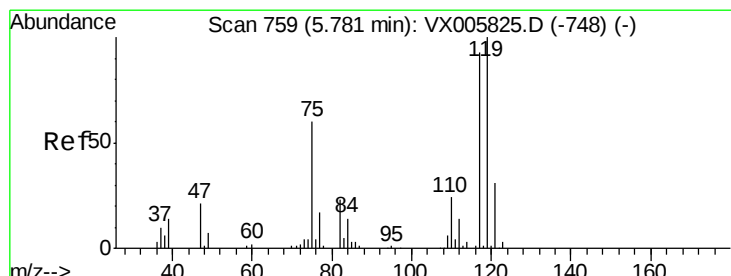
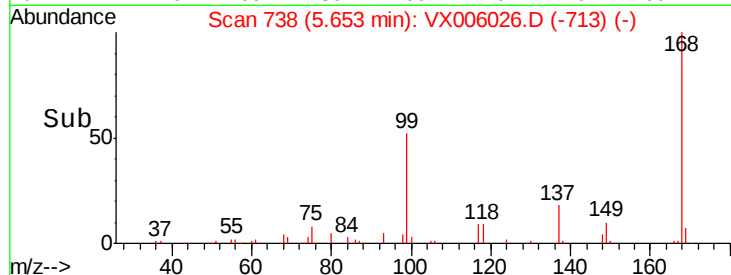
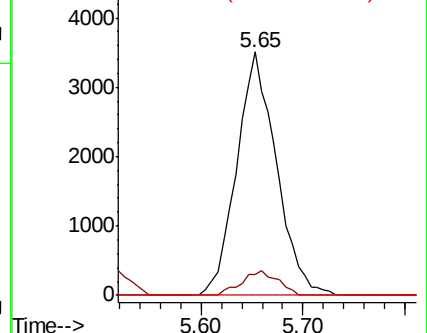
77 0.0 25.8 38.6#



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: 6.512 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006026.D

Acq: 15 Nov 2018 18:00

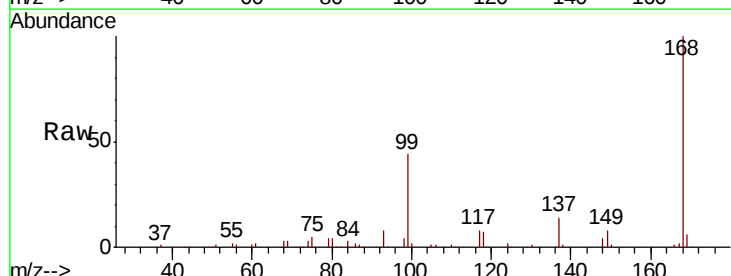
Tgt Ion: 117 Resp: 12243

Ion Ratio Lower Upper

117 100

119 5.8 78.1 117.1#

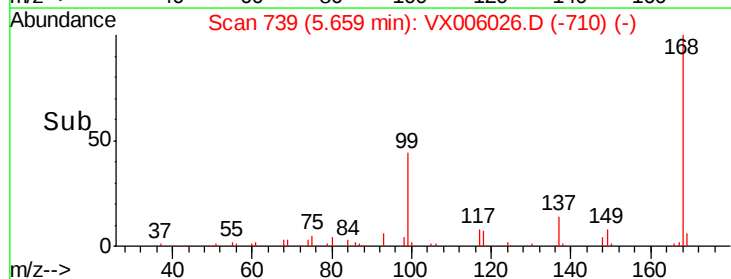
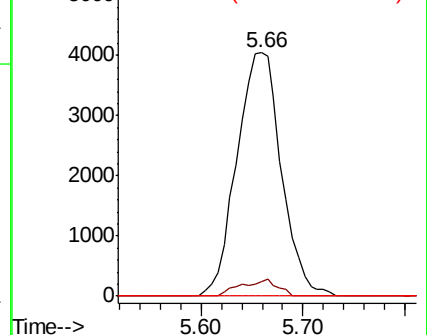
121 0.0 24.6 36.8#

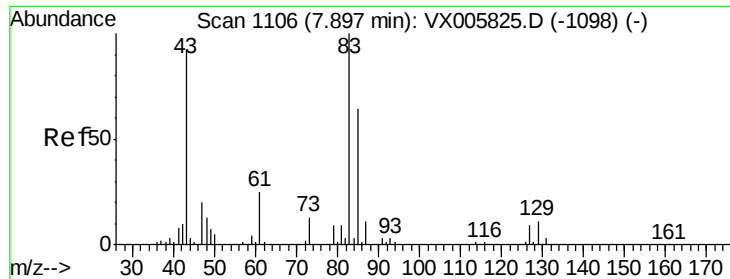


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#47

Bromodichloromethane

Concen: 0.241 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006026.D

Acq: 15 Nov 2018 18:00

Instrument :

MSVOA_X

ClientSampleId :

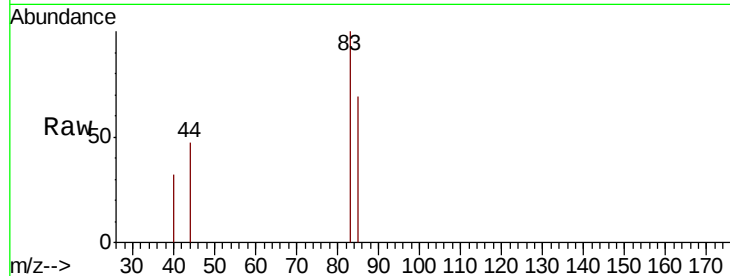
Tot Ion: 83 Resp: 379

Ion Ratio Lower Upper

83 100

85 68.6 50.2 75.4

127 0.0 6.9 10.3#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

7.90

250

200

150

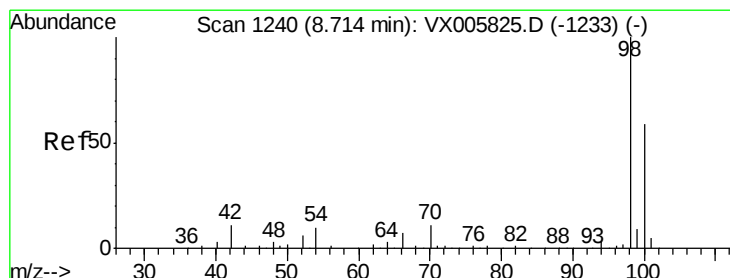
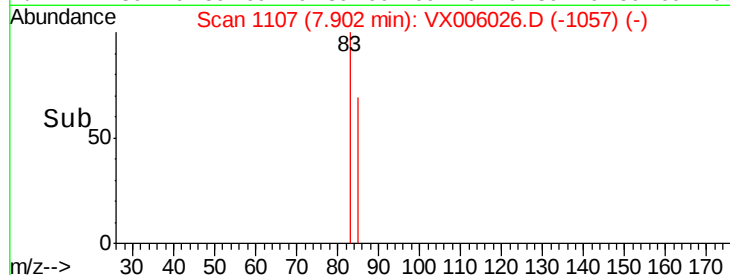
100

50

0

7.85 7.90 7.95

Time-->



#50

Toluene-d8

Concen: 53.490 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006026.D

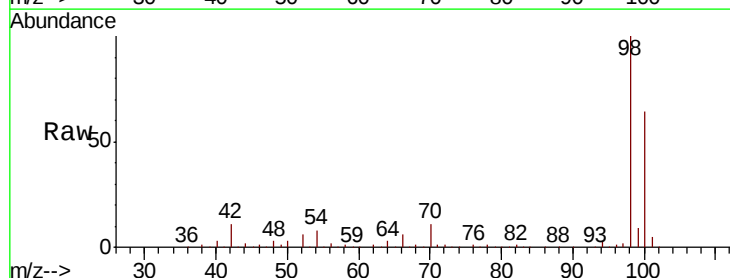
Acq: 15 Nov 2018 18:00

Tgt Ion: 98 Resp: 235612

Ion Ratio Lower Upper

98 100

100 63.4 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

150000

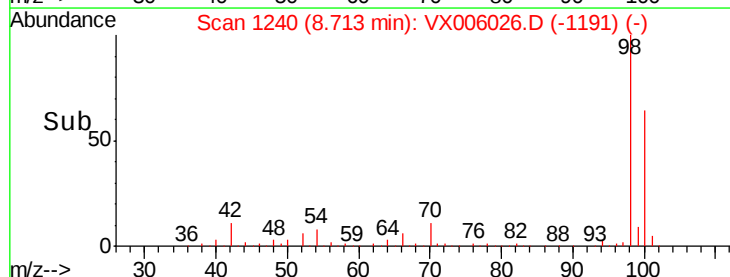
100000

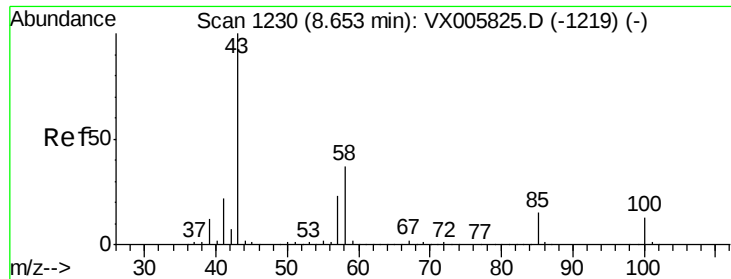
50000

0

8.60 8.70 8.80 8.90

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.494 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX006026.D

Acq: 15 Nov 2018 18:00

Instrument :

MSVOA_X

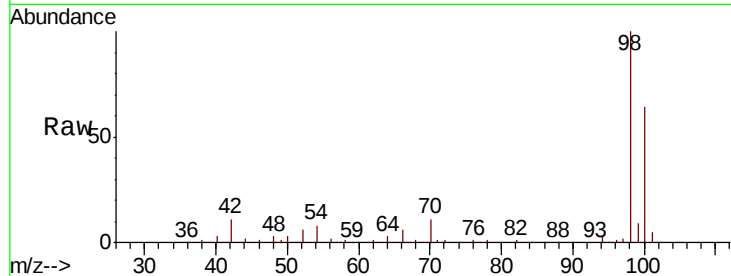
ClientSampleId :

Tot Ion: 43 Resp: 1115

Ion Ratio Lower Upper

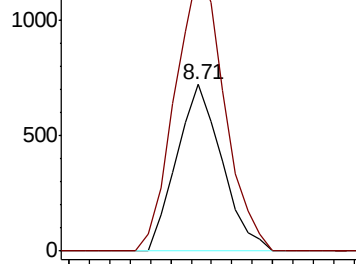
43 100

58 180.7 29.7 44.5#

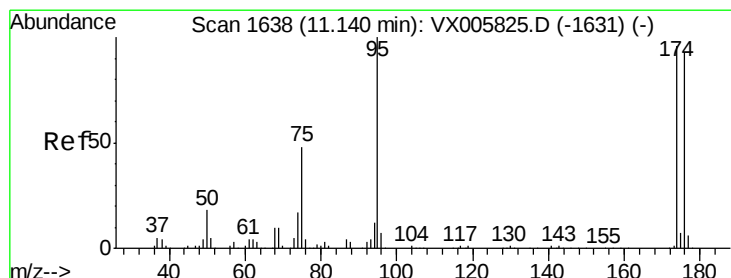
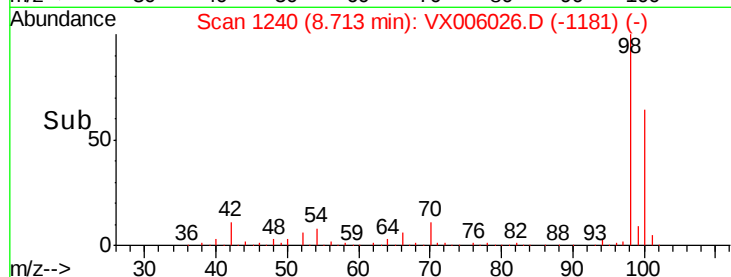


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 54.852 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006026.D

Acq: 15 Nov 2018 18:00

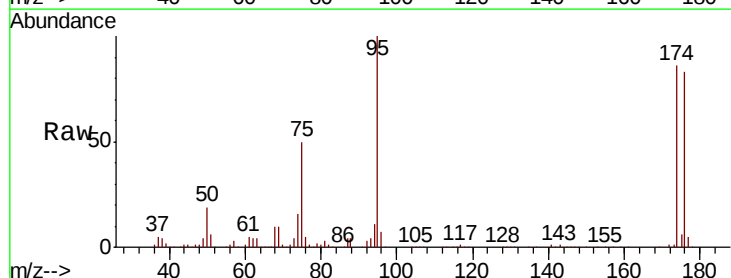
Tgt Ion: 95 Resp: 86869

Ion Ratio Lower Upper

95 100

174 90.6 0.0 184.4

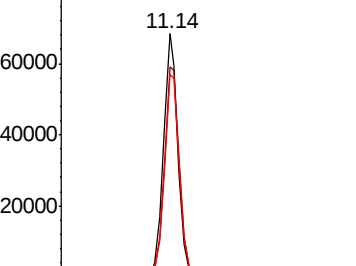
176 86.9 0.0 177.4



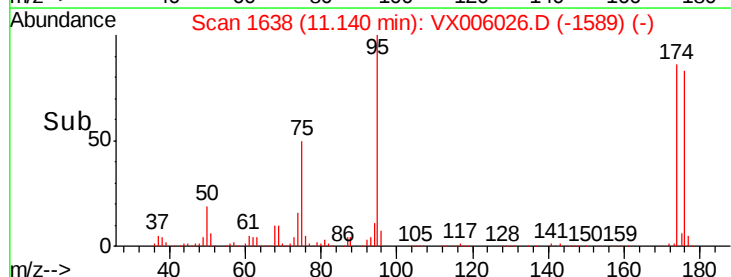
Abundance Ion 94.90 (94.60 to 95.60): VX0

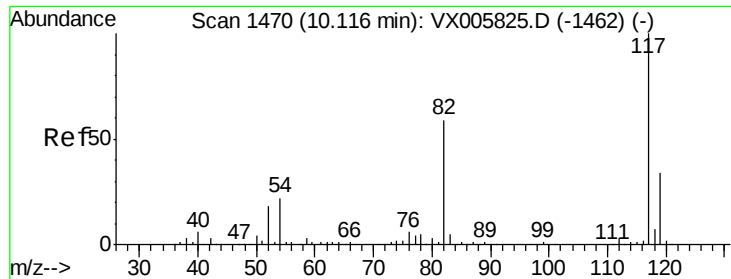
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

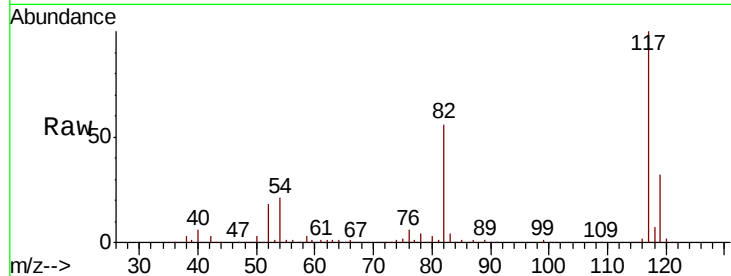




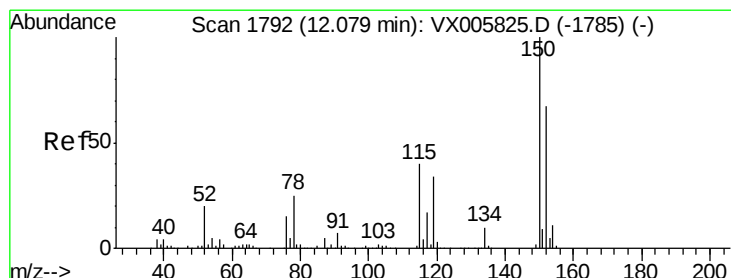
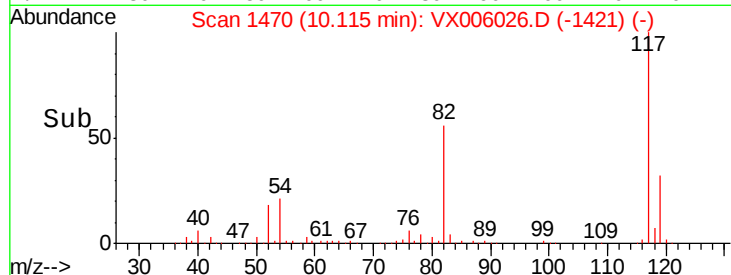
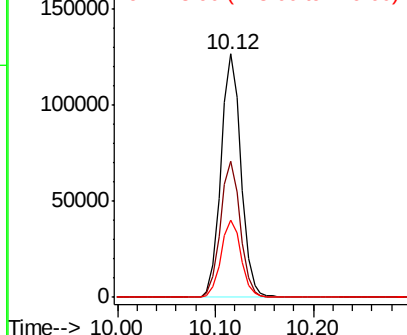
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006026.D
Acq: 15 Nov 2018 18:00

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 179778
Ion Ratio Lower Upper
117 100
82 55.8 44.1 66.1
119 31.7 26.2 39.2

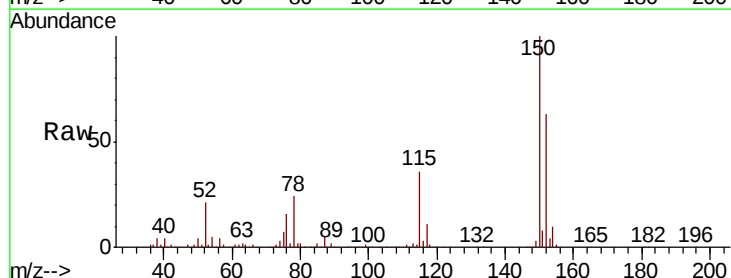


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

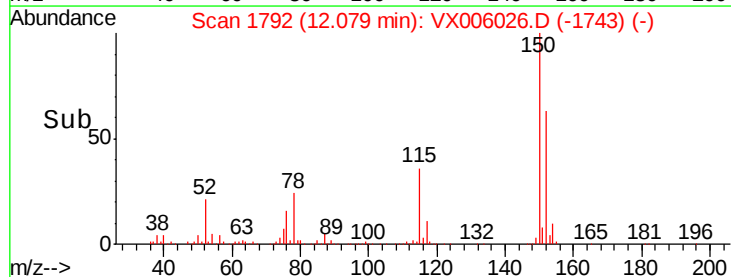
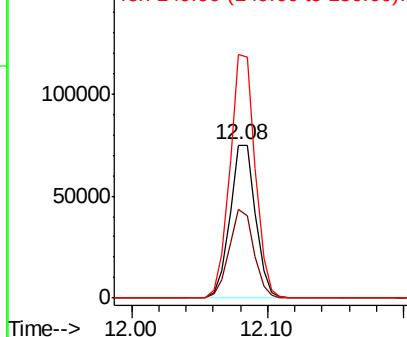


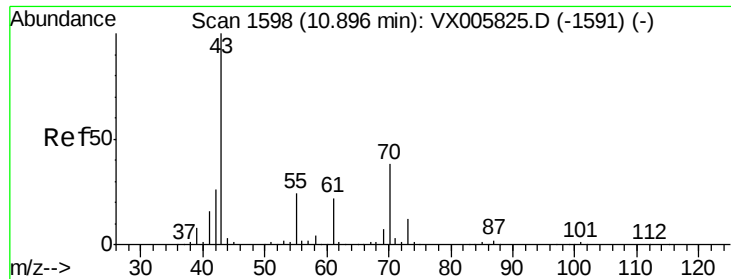
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006026.D
Acq: 15 Nov 2018 18:00

Tgt Ion:152 Resp: 97608
Ion Ratio Lower Upper
152 100
115 56.3 39.4 118.1
150 157.4 0.0 346.4



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-amvl acetate

Concen: 1.317 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006026.D

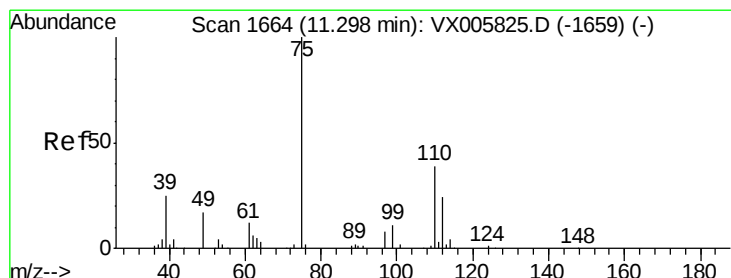
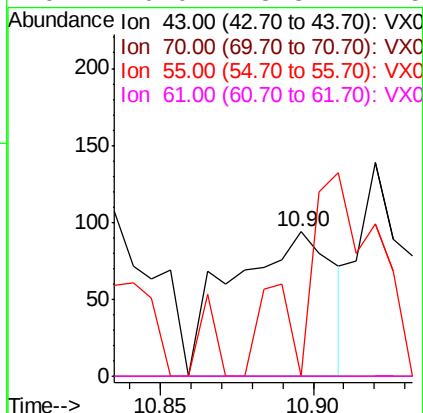
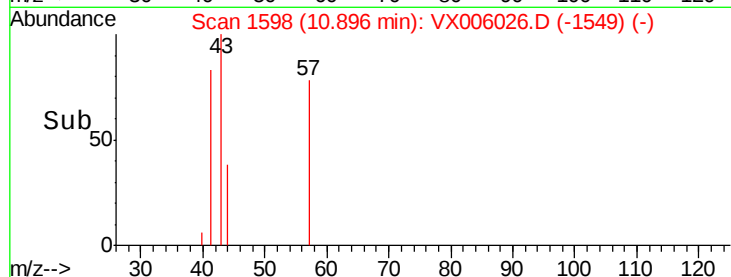
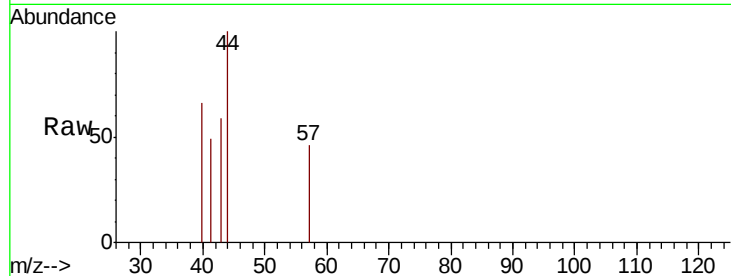
Acq: 15 Nov 2018 18:00

Instrument :

MSVOA_X

ClientSampled :

Tot Ion:	43	Resp:	216
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.6	47.4#
55	0.0	19.7	29.5#
61	0.0	18.3	27.5#



#76

1,2,3-Trichloropropane

Concen: 21.508 ug/l

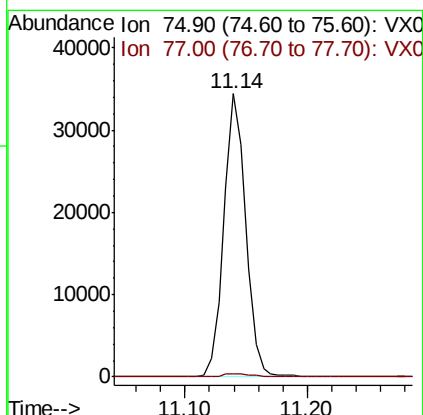
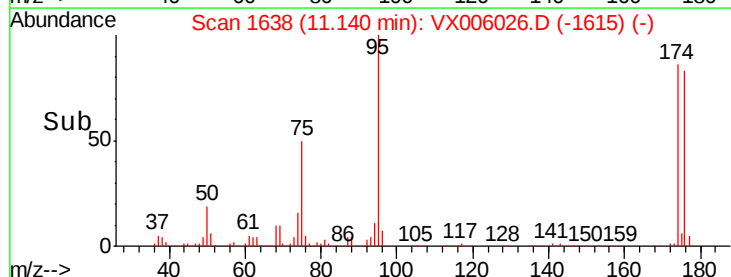
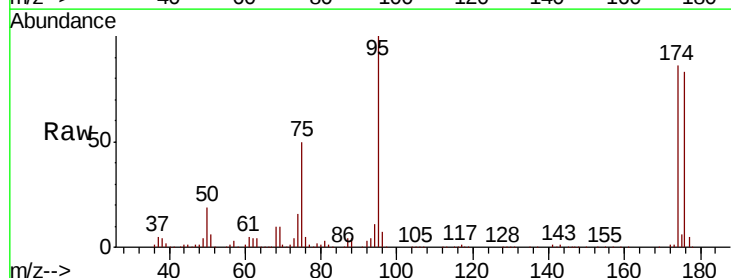
RT: 11.14 min Scan# 1638

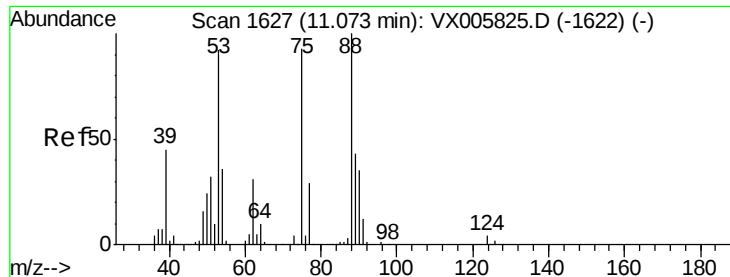
Delta R.T. -0.16 min

Lab File: VX006026.D

Acq: 15 Nov 2018 18:00

Tgt Ion:	75	Resp:	42747
Ion	Ratio	Lower	Upper
75	100		
77	1.3	20.5	61.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 68.549 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006026.D

Acq: 15 Nov 2018 18:00

Instrument :

MSVOA_X

ClientSampleId :

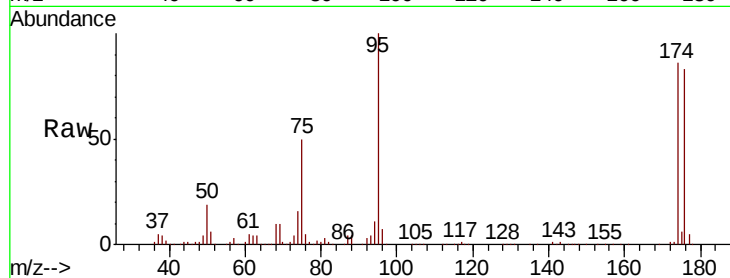
Tot Ion: 75 Resp: 42747

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

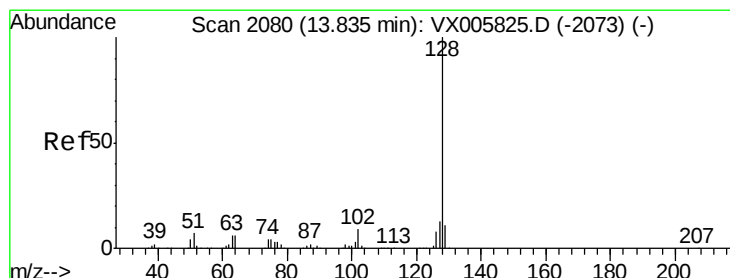
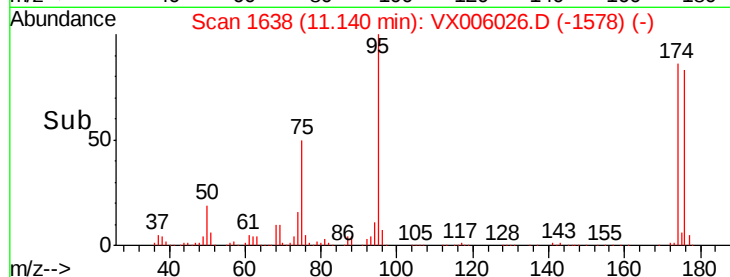
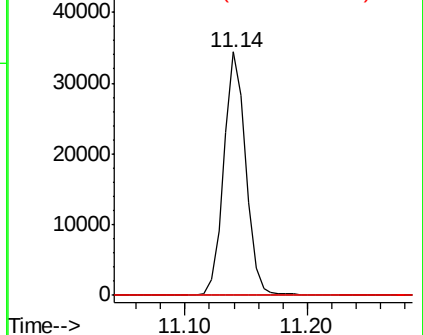
89 0.0 39.8 59.8#



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



#95

Naphthalene

Concen: 1.256 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006026.D

Acq: 15 Nov 2018 18:00

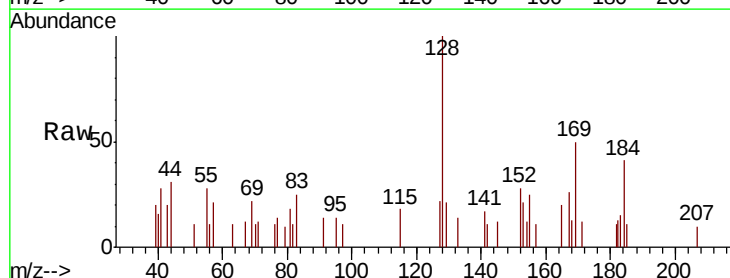
Tgt Ion:128 Resp: 564

Ion Ratio Lower Upper

128 100

127 20.4 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

