

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051618\
 Data File : VX001769.D
 Acq On : 16 May 2018 17:23
 Operator : JC/MD
 Sample : J2901-08
 Misc : 5.01g/10mL/100ul/5.0mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 260-GRAB2-SL

Quant Time: May 17 02:56:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	250527	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.87	114	339030	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161920	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	149835	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	
35) Dibromofluoromethane	5.51	113	120984	42.29	ug/l	0.00
Spiked Amount			Recovery	=	84.58%	
50) Toluene-d8	8.72	98	454120	44.32	ug/l	0.00
Spiked Amount			Recovery	=	88.64%	
62) 4-Bromofluorobenzene	11.15	95	141872	38.45	ug/l	0.00
Spiked Amount			Recovery	=	76.90%	

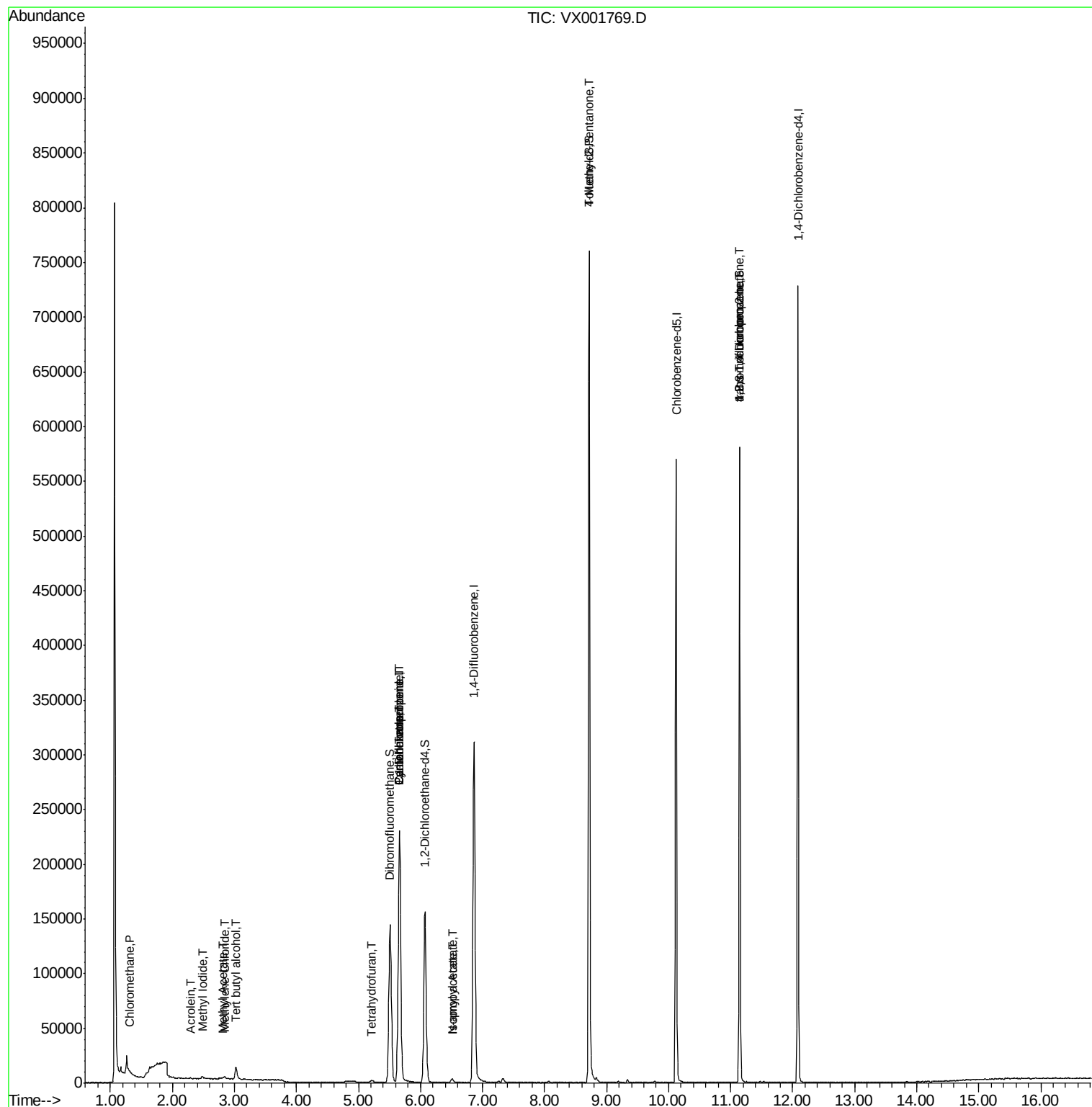
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	561	0.21	ug/l	100
5) Bromomethane	1.64	94	1236	Below	Cal	91
10) Methyl Iodide	2.48	142	1828	0.77	ug/l	97
11) Tert butyl alcohol	3.03	59	6908	11.59	ug/l #	77
13) Acrolein	2.30	56	124	0.29	ug/l #	15
18) Methyl Acetate	2.81	43	1027	0.27	ug/l #	87
20) Methylene Chloride	2.84	84	745	0.26	ug/l #	81
29) Tetrahydrofuran	5.22	42	1864	1.42	ug/l #	72
31) Cyclohexane	5.65	56	3840	0.91	ug/l #	11
36) 1,1-Dichloropropene	5.67	75	14671	3.76	ug/l #	49
38) Carbon Tetrachloride	5.65	117	20772	5.08	ug/l #	17
43) Isopropyl Acetate	6.51	43	1650	0.26	ug/l #	61
51) 4-Methyl-2-Pentanone	8.72	43	2119	0.53	ug/l #	1
74) N-amyl acetate	6.51	43	1650	0.32	ug/l #	57
76) 1,2,3-Trichloropropane	11.15	75	65865	21.39	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.15	75	65865	62.84	ug/l #	10

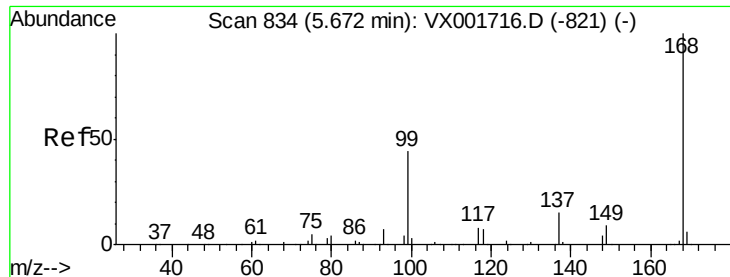
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX001769.D

Acq: 16 May 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

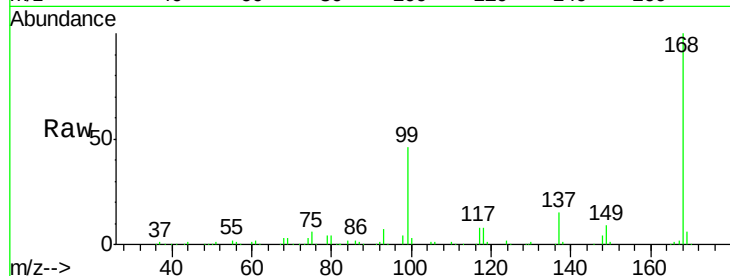
260-GRAB2-SL

Tgt Ion:168 Resp: 250527

Ion Ratio Lower Upper

168 100

99 45.7 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

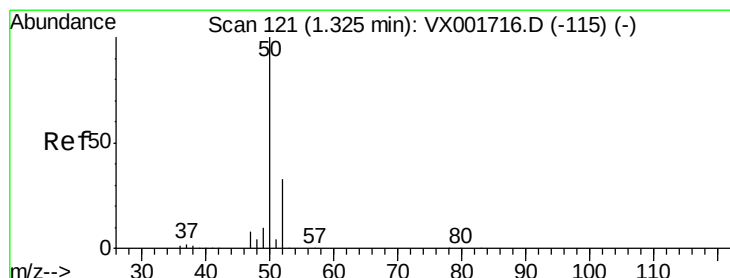
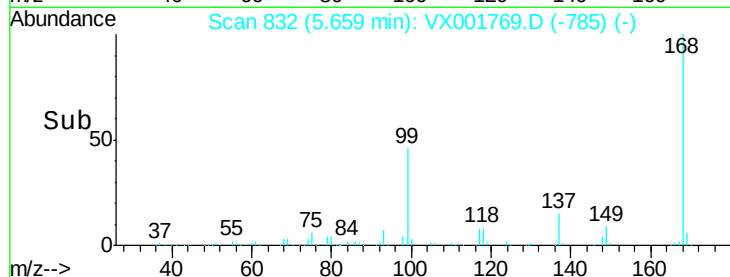
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001769.D

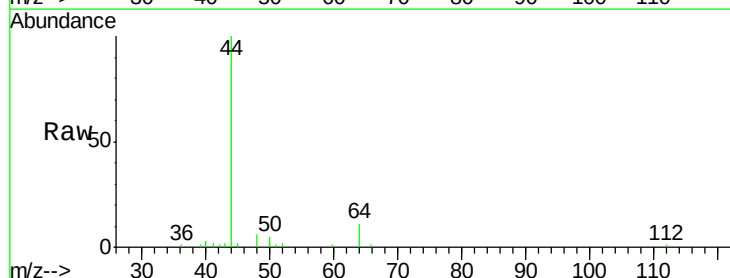
Acq: 16 May 2018 17:23

Tgt Ion: 50 Resp: 561

Ion Ratio Lower Upper

50 100

52 33.0 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

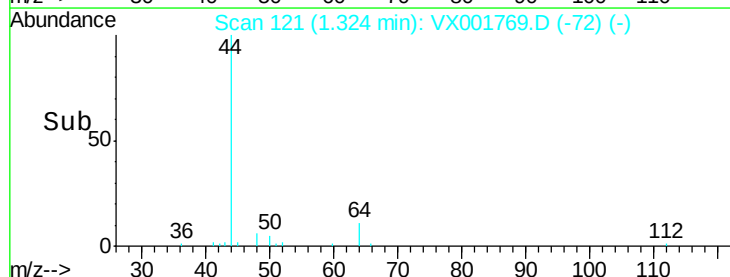
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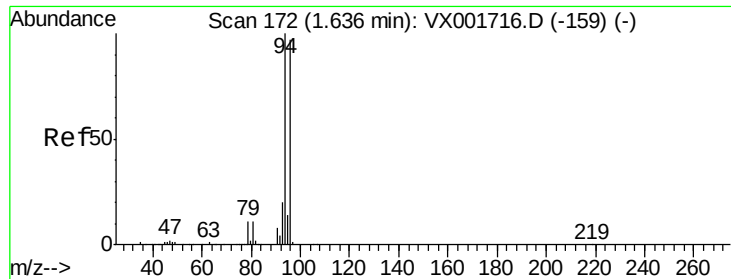
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001769.D

Acq: 16 May 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

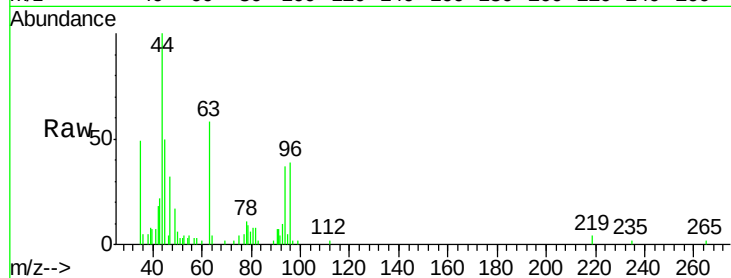
260-GRAB2-SL

Tgt Ion: 94 Resp: 1236

Ion Ratio Lower Upper

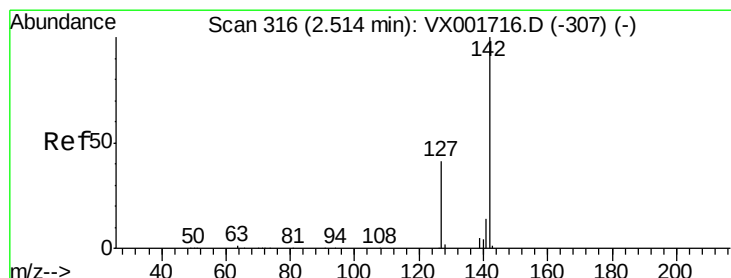
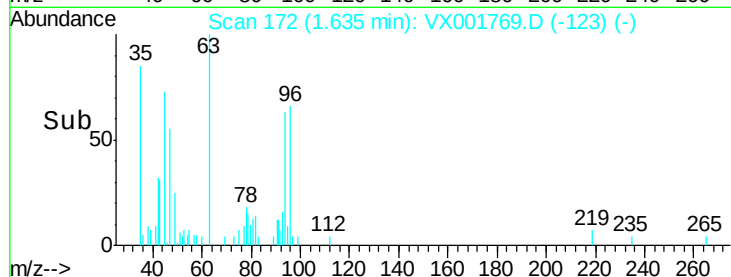
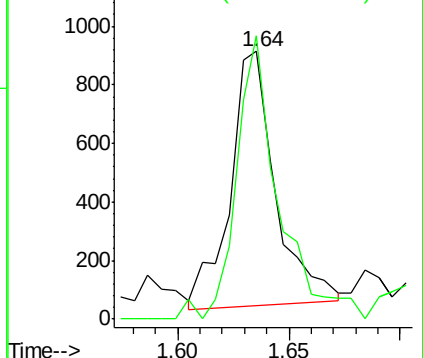
94 100

96 105.6 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.77 ug/l

RT: 2.48 min Scan# 311

Delta R.T. -0.03 min

Lab File: VX001769.D

Acq: 16 May 2018 17:23

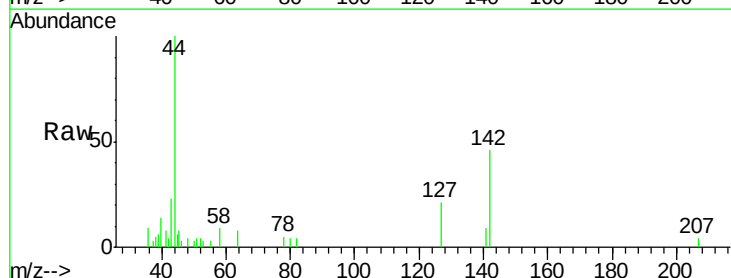
Tgt Ion: 142 Resp: 1828

Ion Ratio Lower Upper

142 100

127 43.2 32.5 48.7

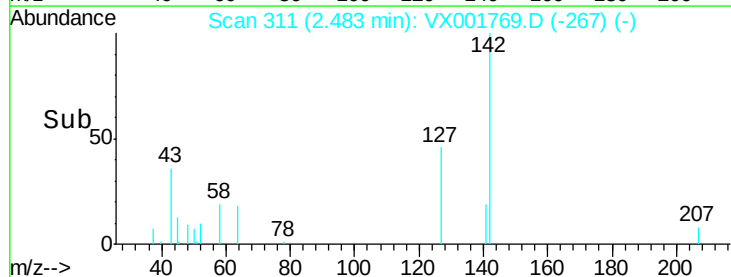
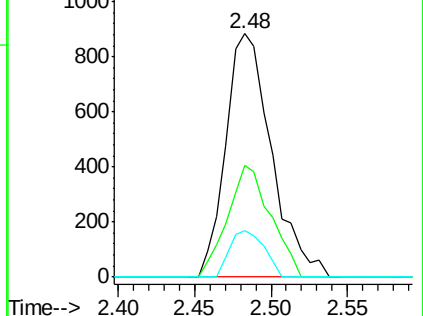
141 14.2 11.4 17.0

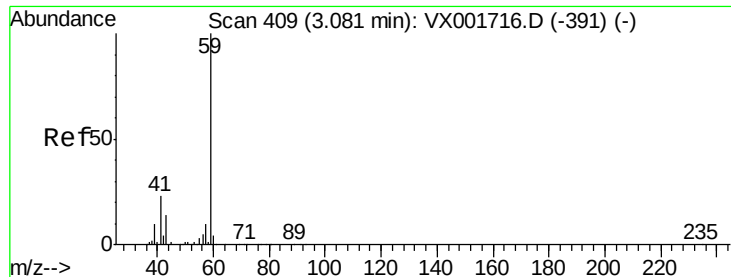


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

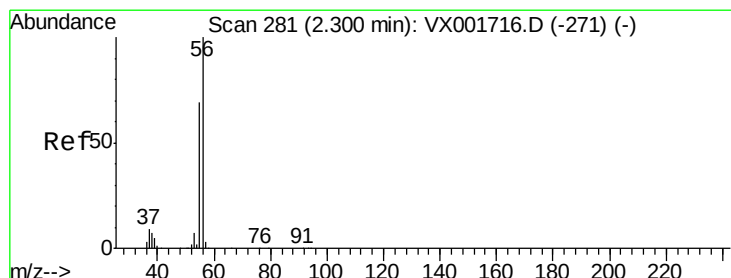
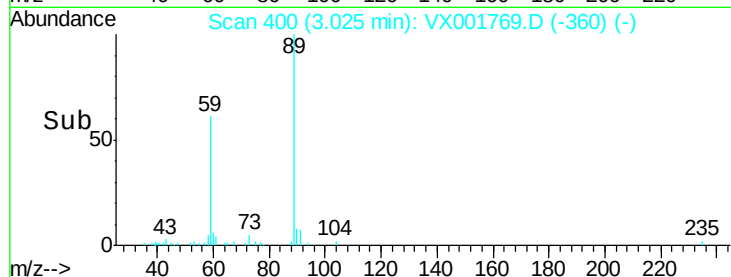
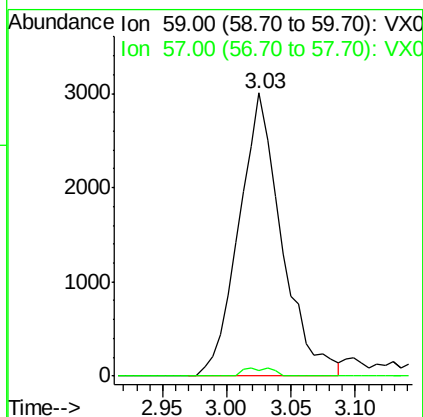
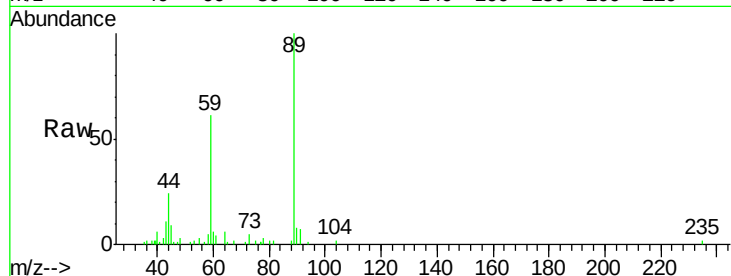




#11
Tert butyl alcohol
Concen: 11.59 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX001769.D
Acq: 16 May 2018 17:23

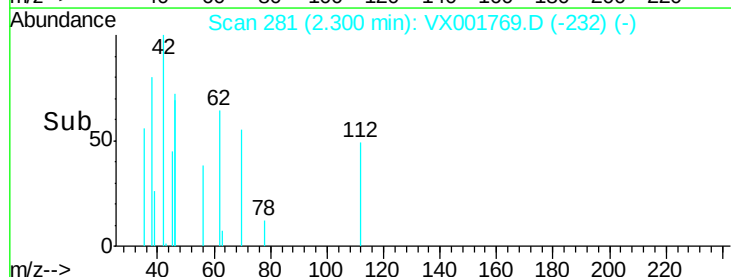
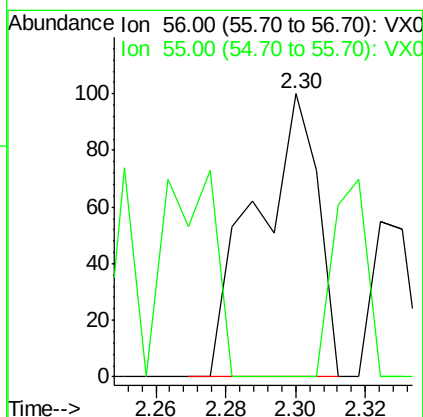
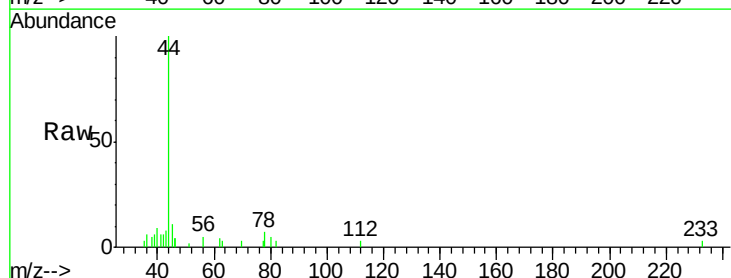
Instrument :
MSVOA_X
ClientSampleId :
260-GRAB2-SL

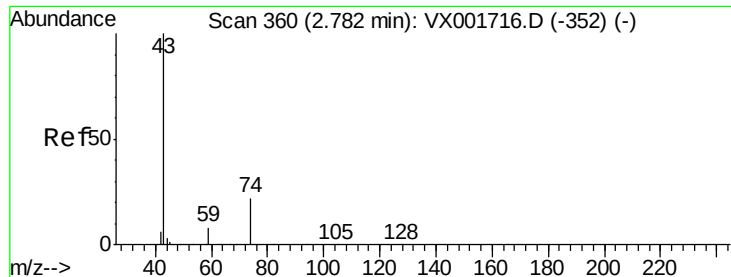
Tgt Ion: 59 Resp: 6908
Ion Ratio Lower Upper
59 100
57 2.0 8.5 12.7#



#13
Acrolein
Concen: 0.29 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX001769.D
Acq: 16 May 2018 17:23

Tgt Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#

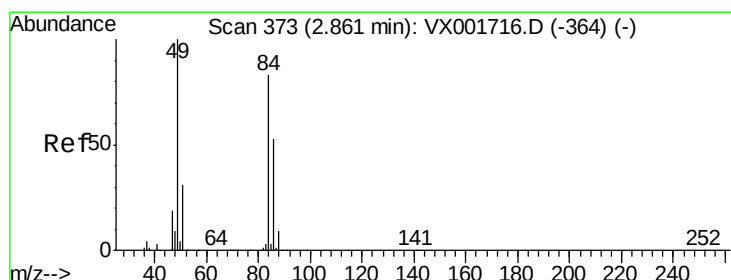
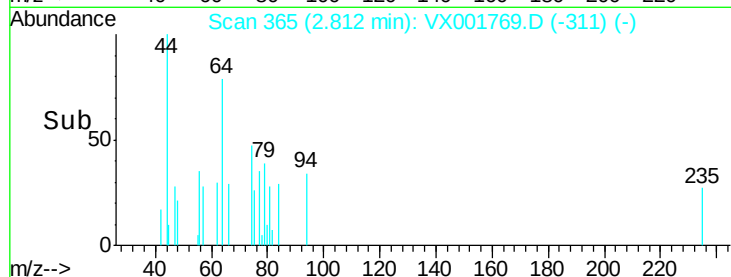
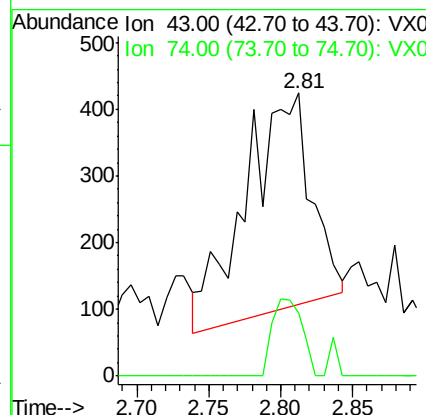
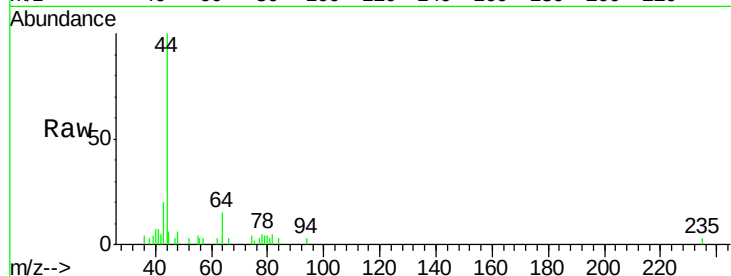




#18
Methyl Acetate
Concen: 0.27 ug/l
RT: 2.81 min Scan# 365
Delta R.T. 0.03 min
Lab File: VX001769.D
Acq: 16 May 2018 17:23

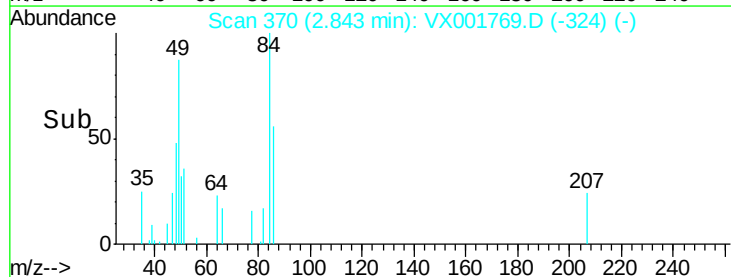
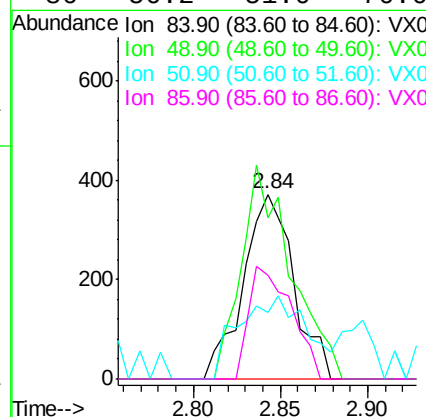
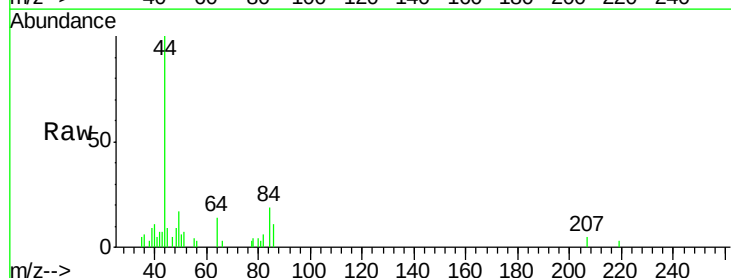
Instrument :
MSVOA_X
ClientSampleId :
260-GRAB2-SL

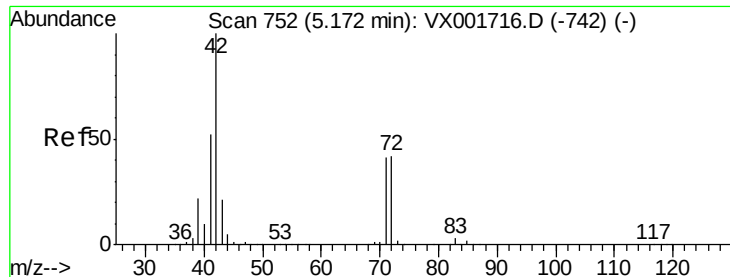
Tgt Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
74 16.4 18.2 27.2#



#20
Methylene Chloride
Concen: 0.26 ug/l
RT: 2.84 min Scan# 370
Delta R.T. -0.02 min
Lab File: VX001769.D
Acq: 16 May 2018 17:23

Tgt Ion: 84 Resp: 745
Ion Ratio Lower Upper
84 100
49 87.4 96.3 144.5#
51 35.8 29.8 44.6
86 56.2 51.0 76.6





#29

Tetrahydrofuran

Concen: 1.42 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.05 min

Lab File: VX001769.D

Acq: 16 May 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

260-GRAB2-SL

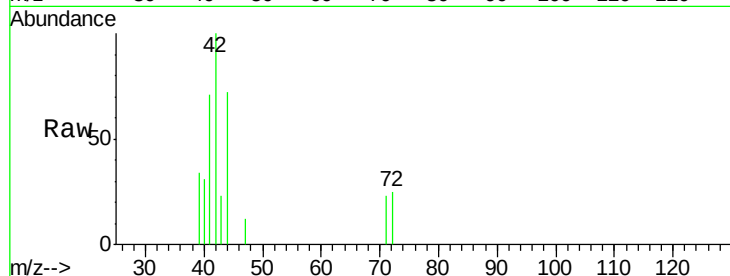
Tgt Ion: 42 Resp: 1864

Ion Ratio Lower Upper

42 100

72 27.2 35.4 53.2#

71 23.2 33.2 49.8#



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

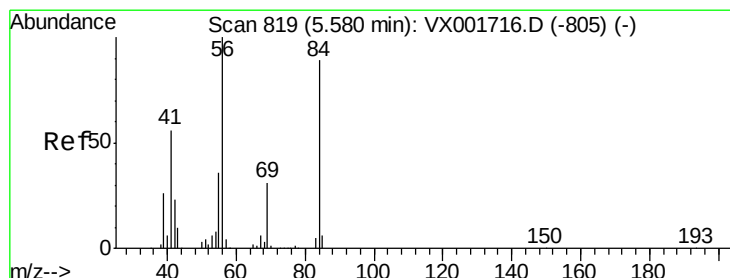
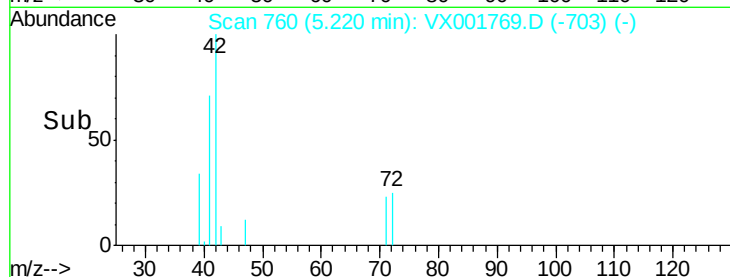
5.22

400

200

0

Time-->



#31

Cyclohexane

Concen: 0.91 ug/l

RT: 5.65 min Scan# 831

Delta R.T. 0.07 min

Lab File: VX001769.D

Acq: 16 May 2018 17:23

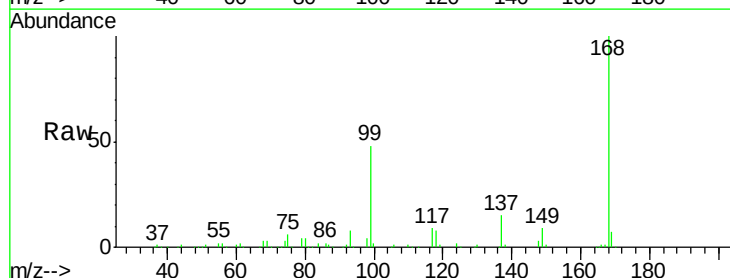
Tgt Ion: 56 Resp: 3840

Ion Ratio Lower Upper

56 100

69 184.3 25.0 37.6#

84 110.2 71.0 106.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.65

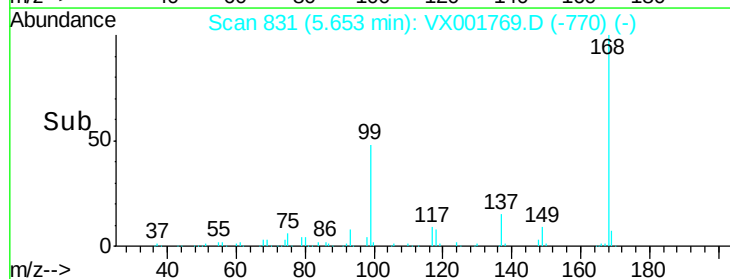
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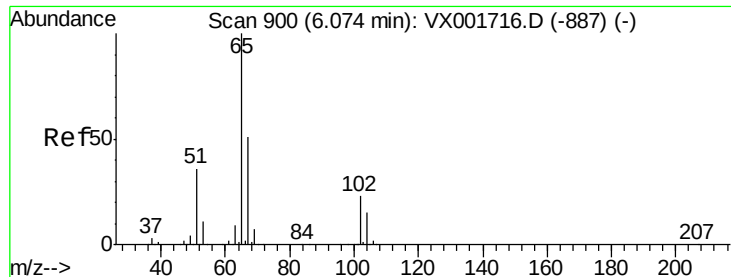
2000

1000

0

Time-->

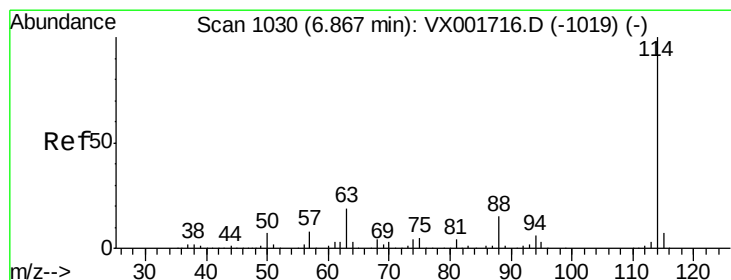
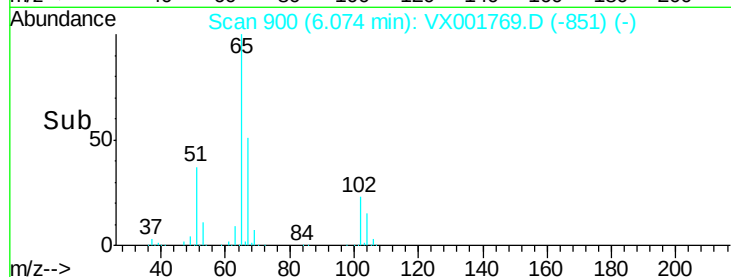
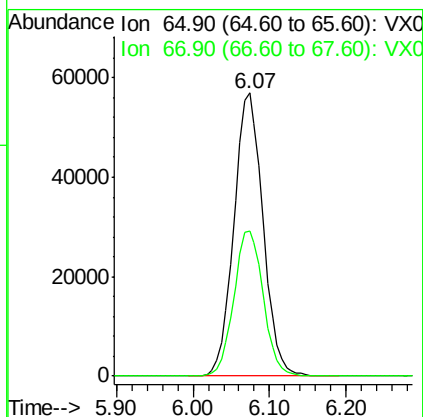
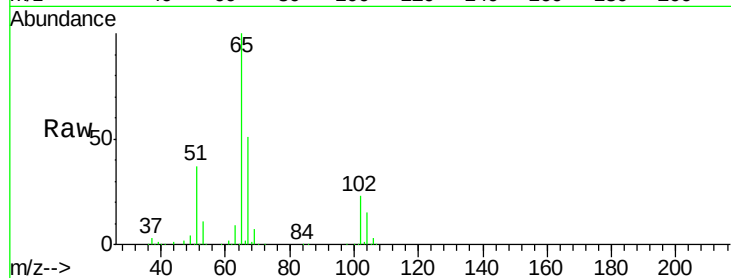




#33
 1,2-Dichloroethane-d4
 Concen: 44.62 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001769.D
 Acq: 16 May 2018 17:23

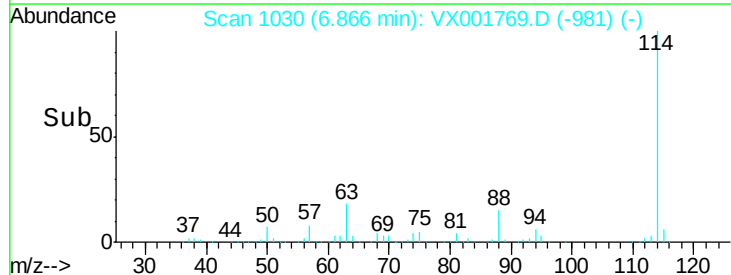
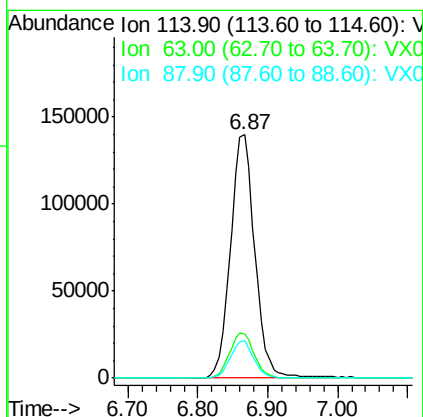
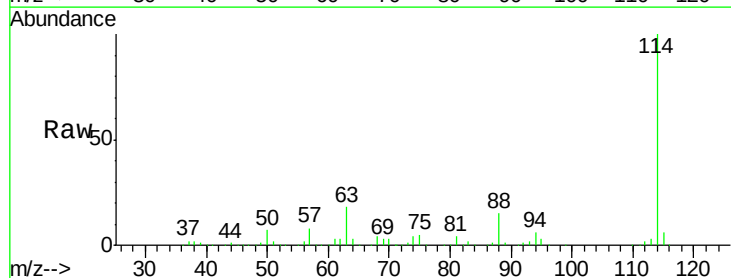
Instrument :
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 260-GRAB2-SL

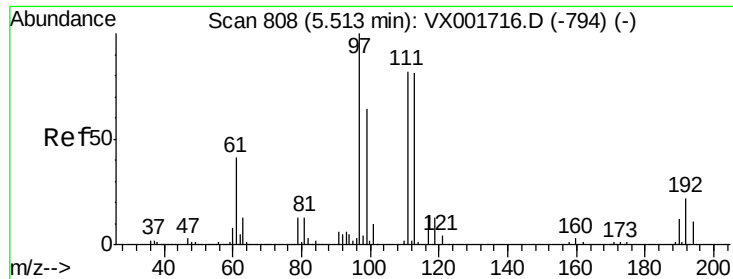
Tgt Ion: 65 Resp: 149835
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001769.D
 Acq: 16 May 2018 17:23

Tgt Ion: 114 Resp: 339030
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.0
 88 15.2 0.0 29.8

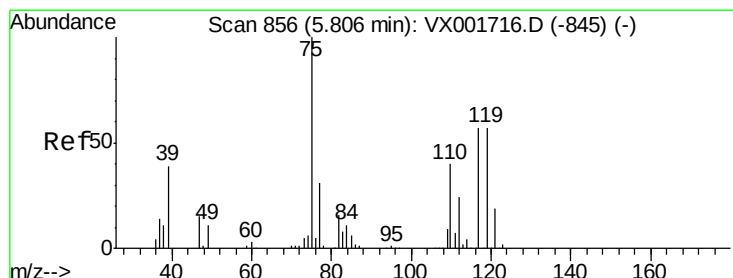
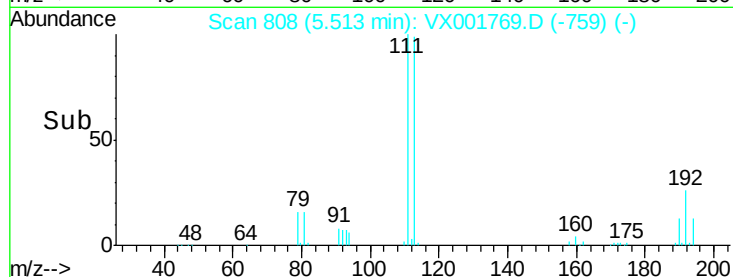
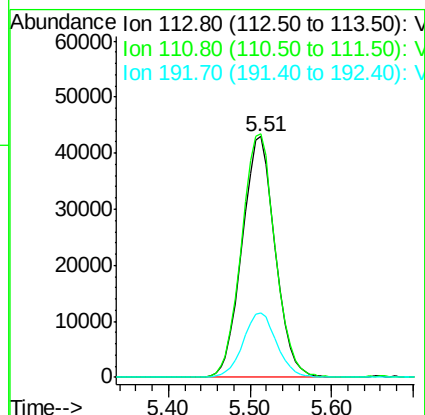
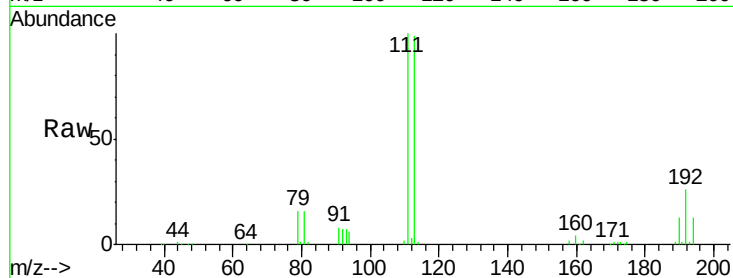




#35
 Dibromofluoromethane
 Concen: 42.29 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001769.D
 Acq: 16 May 2018 17:23

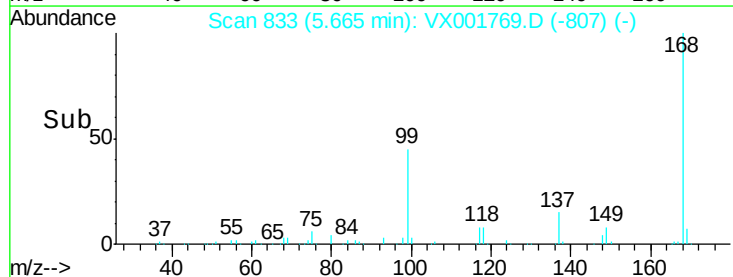
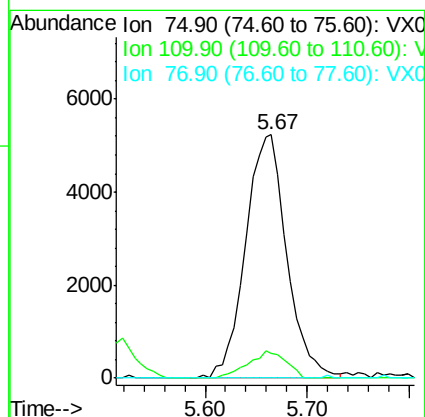
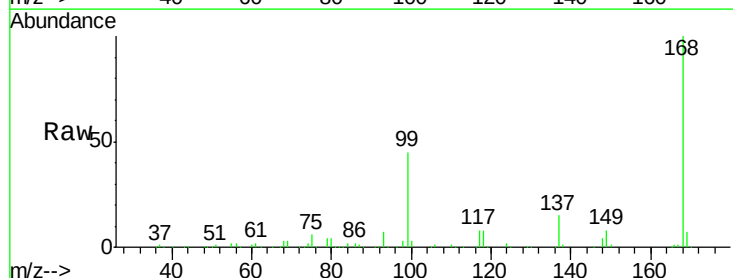
Instrument :
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 260-GRAB2-SL

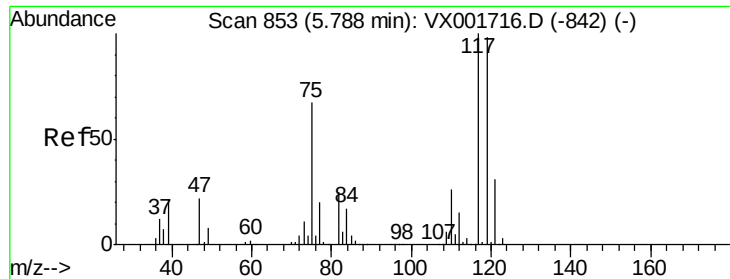
Tgt Ion:113 Resp: 120984
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.0 123.0
 192 27.3 21.6 32.4



#36
 1,1-Dichloropropene
 Concen: 3.76 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001769.D
 Acq: 16 May 2018 17:23

Tgt Ion: 75 Resp: 14671
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.1 57.1#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.08 ug/l

RT: 5.65 min Scan# 831

Delta R.T. -0.13 min

Lab File: VX001769.D

Acq: 16 May 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

260-GRAB2-SL

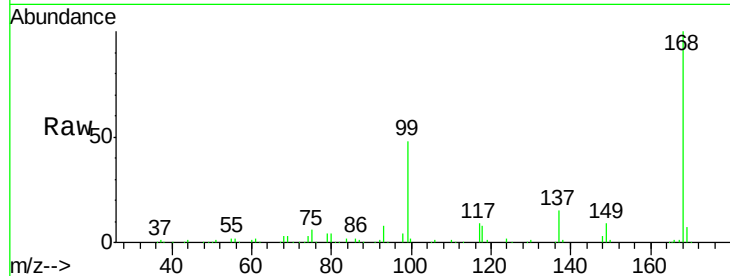
Tgt Ion: 117 Resp: 20772

Ion Ratio Lower Upper

117 100

119 7.5 77.6 116.4#

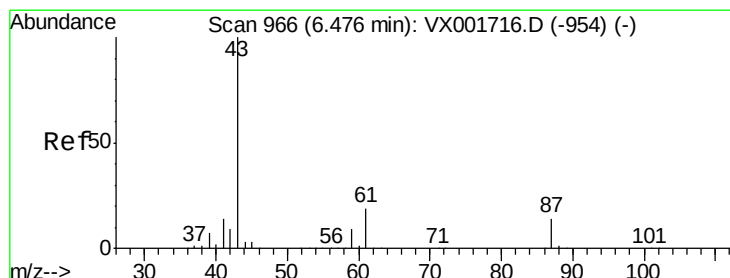
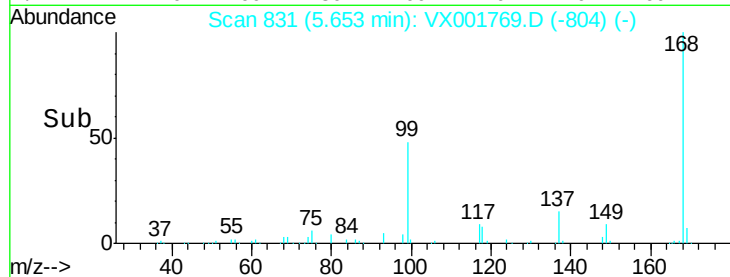
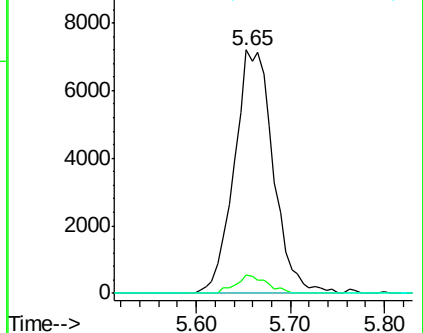
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 0.26 ug/l

RT: 6.51 min Scan# 971

Delta R.T. 0.03 min

Lab File: VX001769.D

Acq: 16 May 2018 17:23

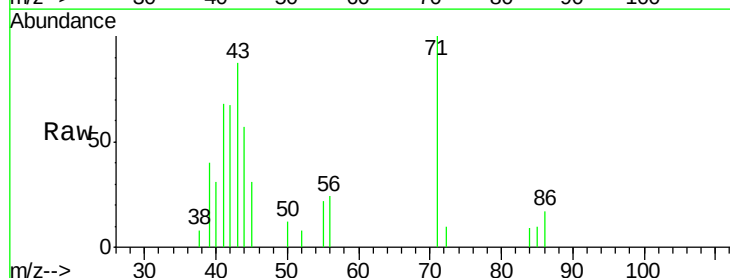
Tgt Ion: 43 Resp: 1650

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

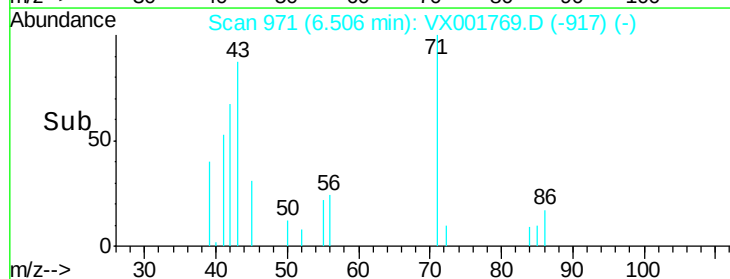
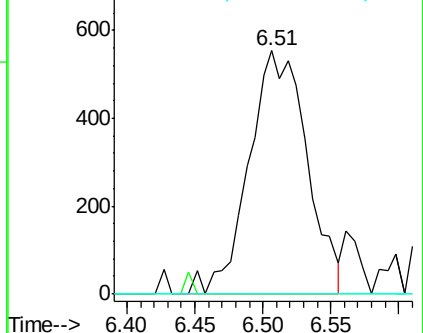
87 0.0 11.0 16.4#

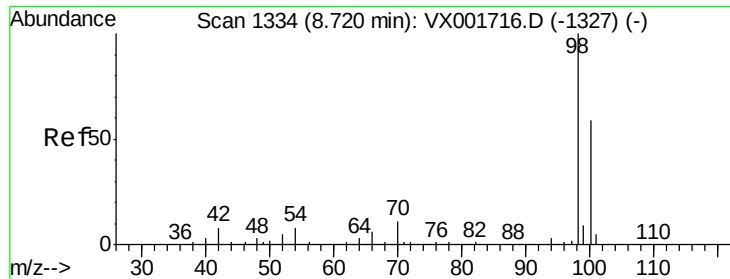


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

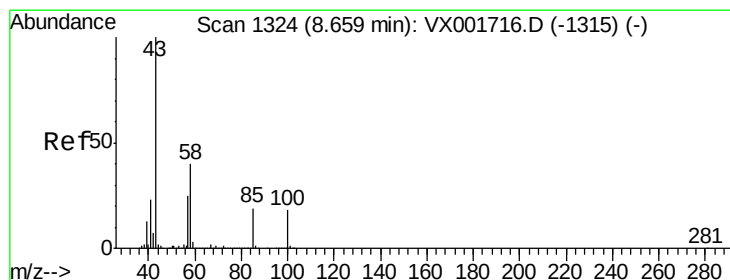
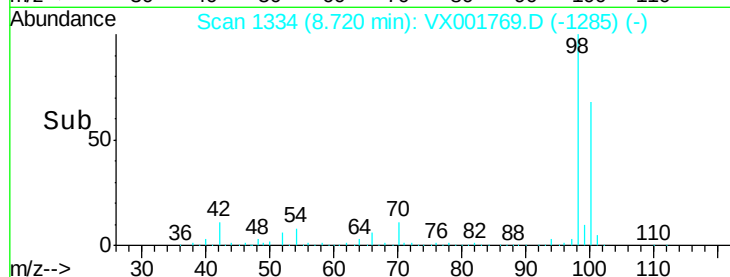
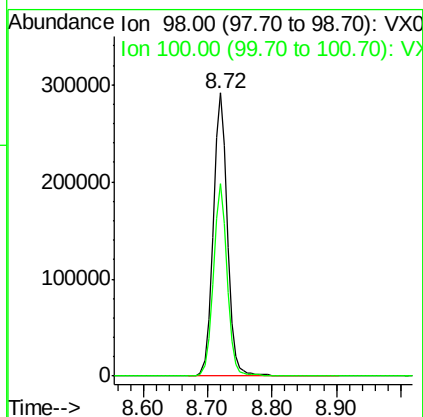
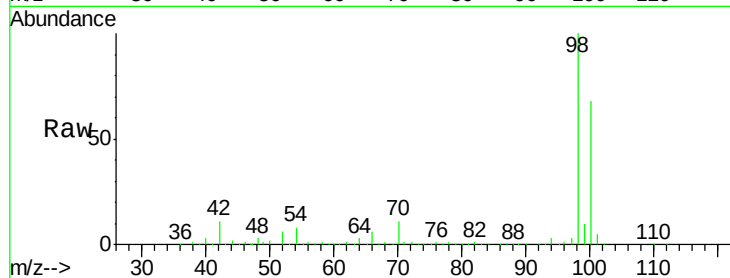




#50
Toluene-d8
Concen: 44.32 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001769.D
Acq: 16 May 2018 17:23

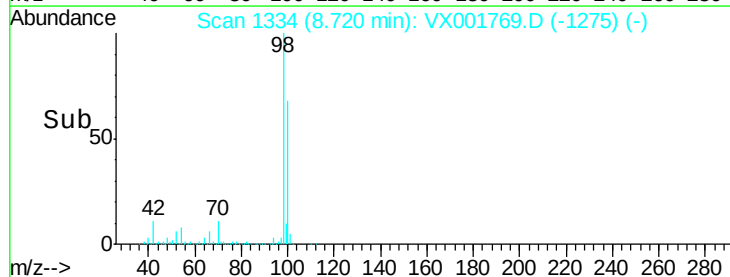
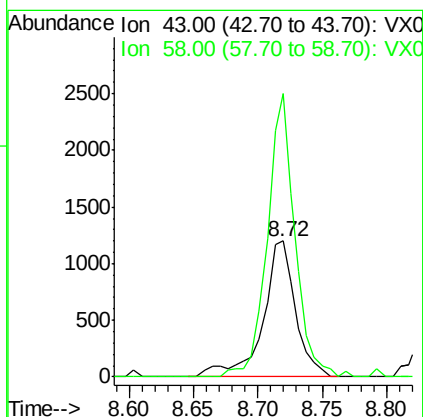
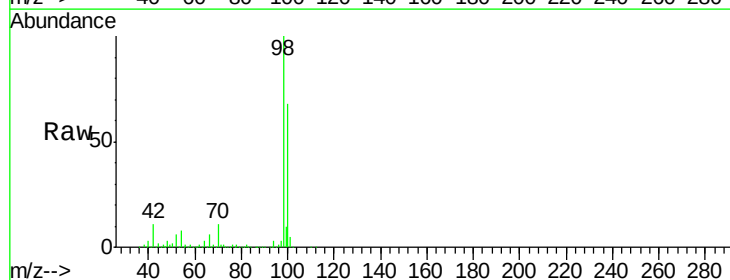
Instrument :
MSVOA_X
ClientSampleId :
260-GRAB2-SL

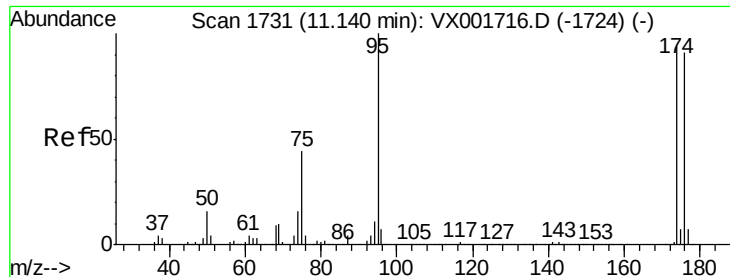
Tgt Ion: 98 Resp: 454120
Ion Ratio Lower Upper
98 100
100 66.4 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.53 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001769.D
Acq: 16 May 2018 17:23

Tgt Ion: 43 Resp: 2119
Ion Ratio Lower Upper
43 100
58 175.6 31.4 47.0#

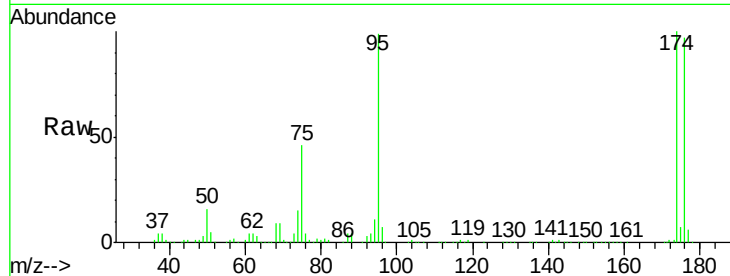




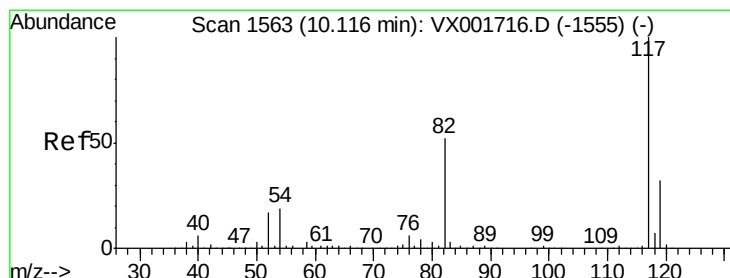
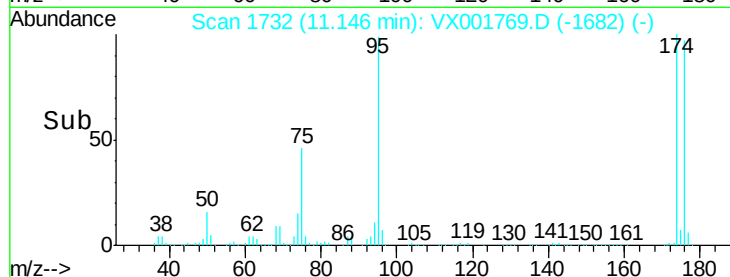
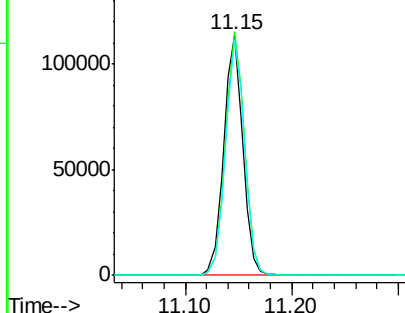
#62
 4-Bromofluorobenzene
 Concen: 38.45 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.01 min
 Lab File: VX001769.D
 Acq: 16 May 2018 17:23

Instrument :
 MSVOA_X
 ClientSampleId :
 260-GRAB2-SL

Tgt Ion: 95 Resp: 141872
 Ion Ratio Lower Upper
 95 100
 174 102.3 0.0 201.8
 176 98.5 0.0 196.8

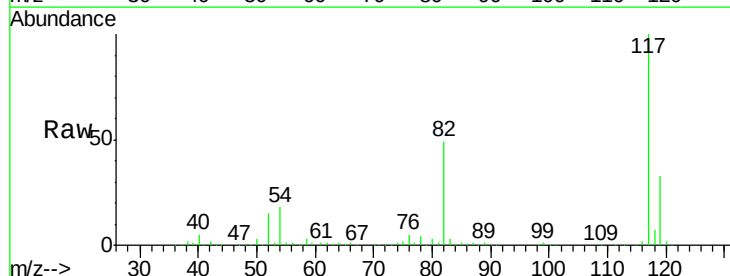


Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

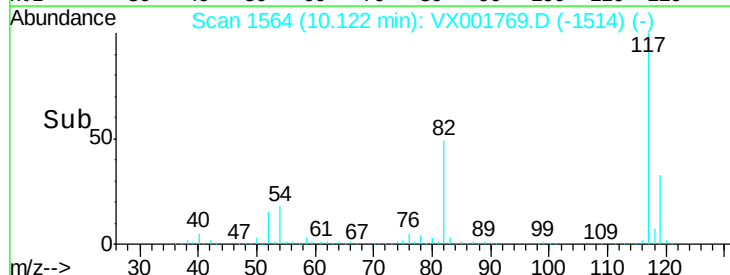
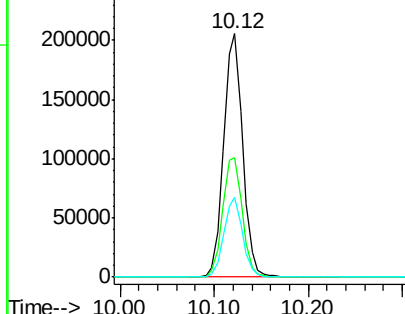


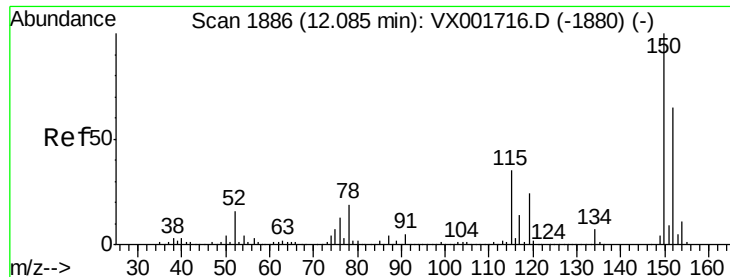
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: VX001769.D
 Acq: 16 May 2018 17:23

Tgt Ion: 117 Resp: 288064
 Ion Ratio Lower Upper
 117 100
 82 49.2 41.4 62.2
 119 32.6 25.6 38.4



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

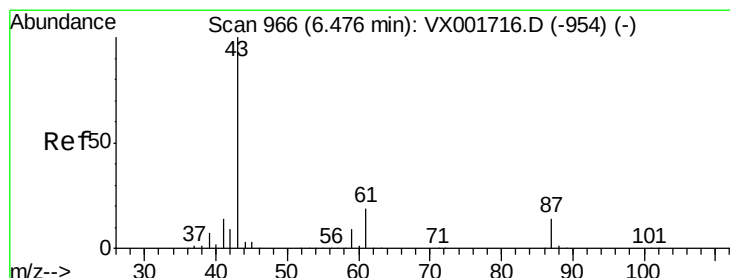
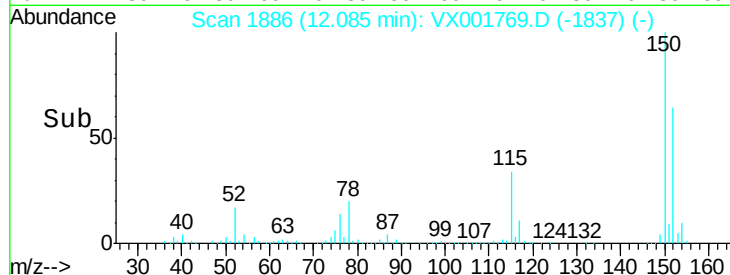
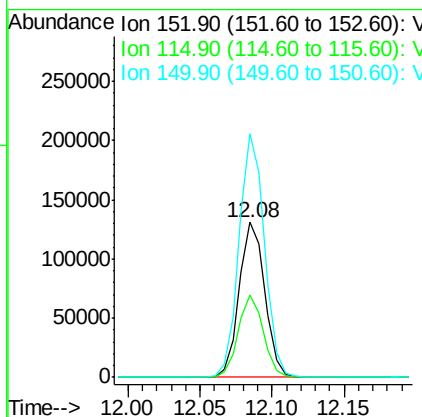
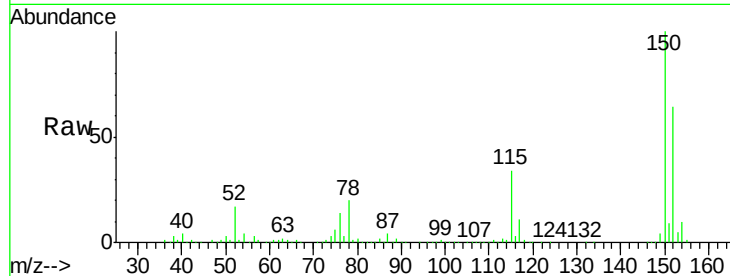




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX001769.D
 Acq: 16 May 2018 17:23

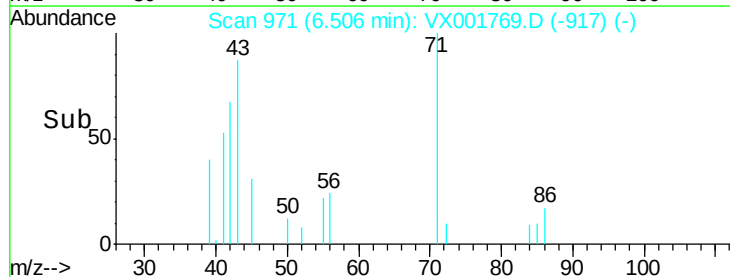
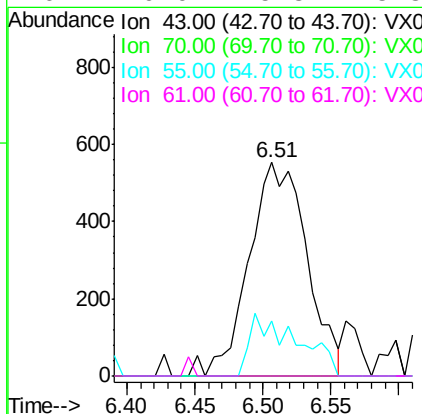
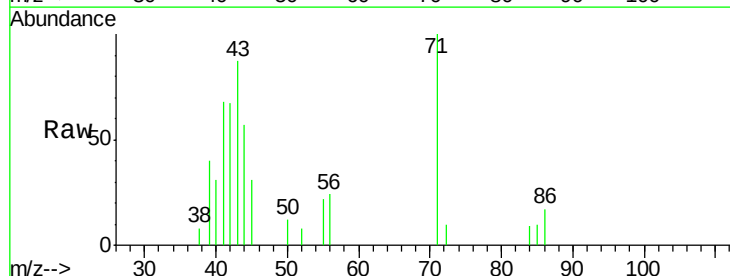
Instrument :
 MSVOA_X
 ClientSampleId :
 260-GRAB2-SL

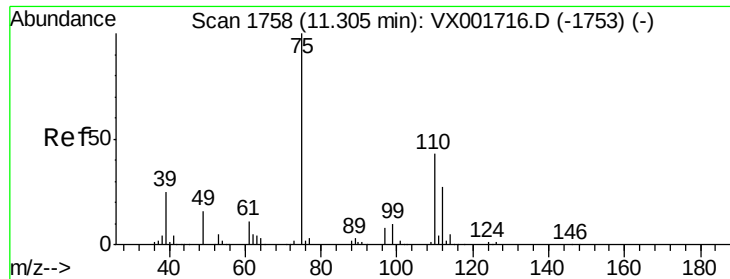
Tgt Ion:152 Resp: 161920
 Ion Ratio Lower Upper
 152 100
 115 52.1 37.4 112.2
 150 155.6 0.0 344.8



#74
 N-amyl acetate
 Concen: 0.32 ug/l
 RT: 6.51 min Scan# 971
 Delta R.T. 0.03 min
 Lab File: VX001769.D
 Acq: 16 May 2018 17:23

Tgt Ion: 43 Resp: 1650
 Ion Ratio Lower Upper
 43 100
 70 0.0 0.0 0.0
 55 23.6 0.1 0.1#
 61 0.0 15.8 23.8#





#76

1,2,3-Trichloropropane

Concen: 21.39 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX001769.D

Acq: 16 May 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

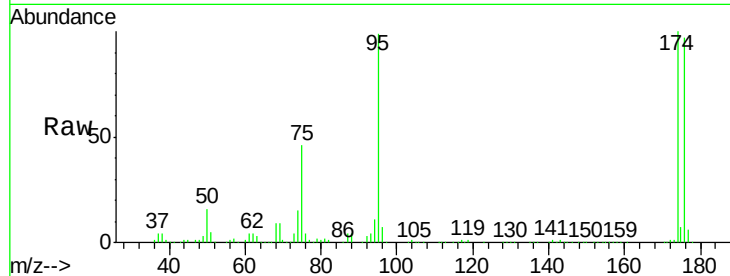
260-GRAB2-SL

Tgt Ion: 75 Resp: 65865

Ion Ratio Lower Upper

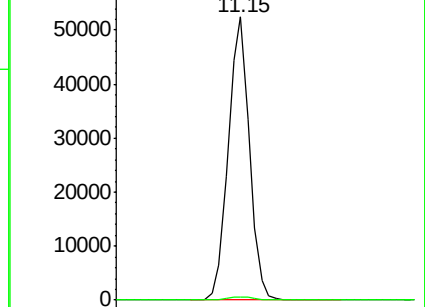
75 100

77 1.5 18.9 56.7#

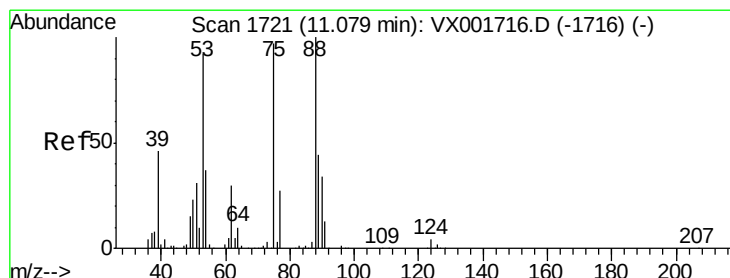
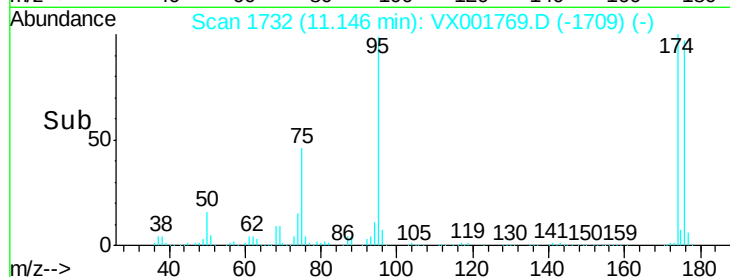


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 62.84 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX001769.D

Acq: 16 May 2018 17:23

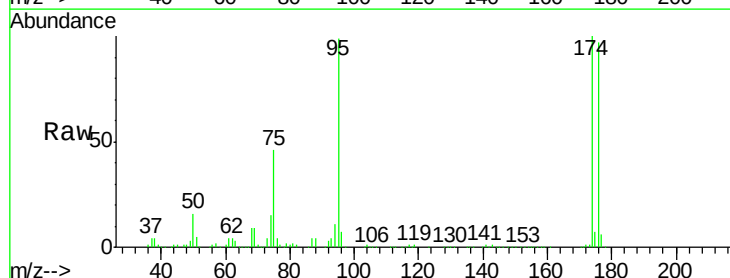
Tgt Ion: 75 Resp: 65865

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.2#

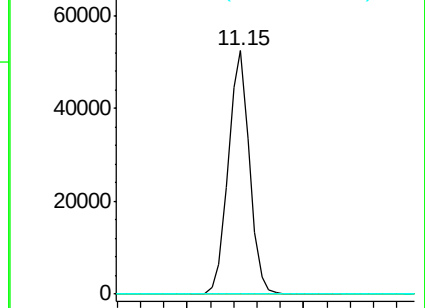
89 0.0 38.8 58.2#



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



Time-->

