

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX033018\
 Data File : VX000562.D
 Acq On : 30 Mar 2018 16:14
 Operator : JC/MD
 Sample : J2131-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 4529-33

Quant Time: Mar 30 16:41:47 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	101113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	176499	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	172641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	90418	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	70838	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
35) Dibromofluoromethane	5.51	113	55362	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	8.72	98	223826	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	11.15	95	74138	39.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.12%	

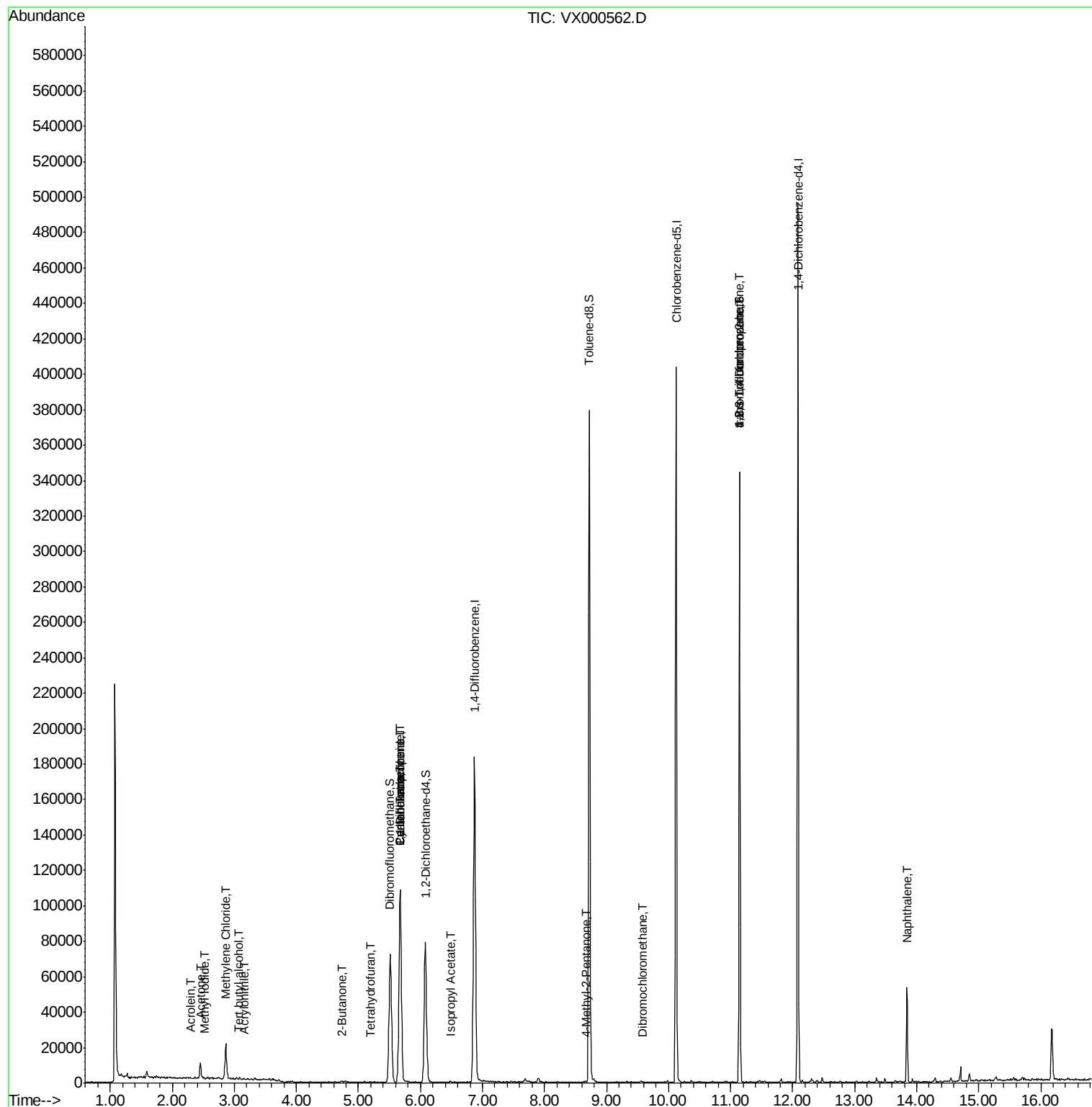
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	177	Below Cal	#	88
10) Methyl Iodide	2.53	142	50	4.31	ug/l #	37
11) Tert butyl alcohol	3.08	59	847	1.87	ug/l #	72
13) Acrolein	2.29	56	24	14.73	ug/l #	1
14) Allyl chloride	2.74	41	156	Below Cal	#	1
15) Acrylonitrile	3.15	53	208	0.23	ug/l #	80
16) Acetone	2.45	43	9370	8.53	ug/l	91
20) Methylene Chloride	2.86	84	8061	6.36	ug/l	93
25) 2-Butanone	4.73	43	793	0.64	ug/l #	61
29) Tetrahydrofuran	5.19	42	173	0.23	ug/l #	31
31) Cyclohexane	5.67	56	2676	1.61	ug/l #	65
36) 1,1-Dichloropropene	5.67	75	7935	4.80	ug/l #	52
38) Carbon Tetrachloride	5.67	117	10255	5.91	ug/l #	15
43) Isopropyl Acetate	6.48	43	858	0.26	ug/l #	71
51) 4-Methyl-2-Pentanone	8.66	43	703	0.27	ug/l #	37
60) Dibromochloromethane	9.59	129	78	4.16	ug/l #	12
74) N-amyl acetate	6.48	43	858	Below Cal	#	74
76) 1,2,3-Trichloropropane	11.15	75	43189	22.23	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	43189	71.96	ug/l #	9
95) Naphthalene	13.84	128	29694	4.02	ug/l	98

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

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Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000562.D

Acq: 30 Mar 2018 16:14

Instrument :

MSVOA_X

ClientSampled :

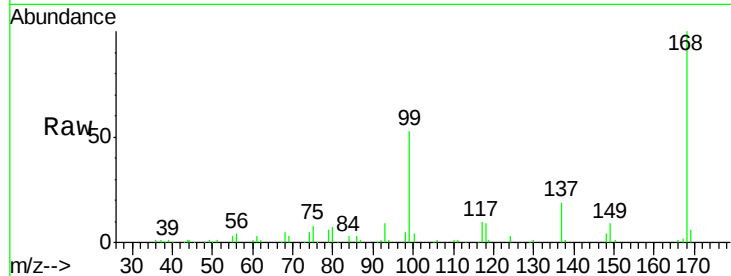
4529-33

Tgt Ion:168 Resp: 101113

Ion Ratio Lower Upper

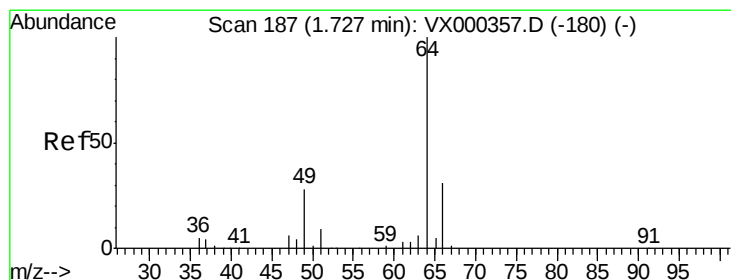
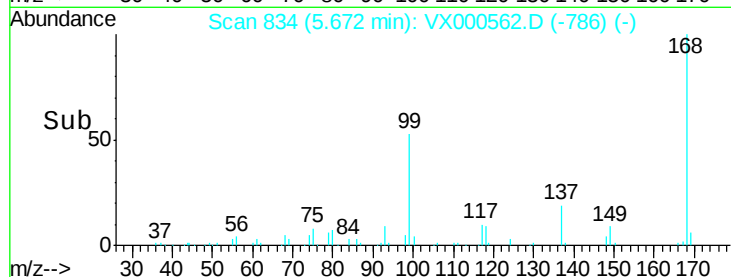
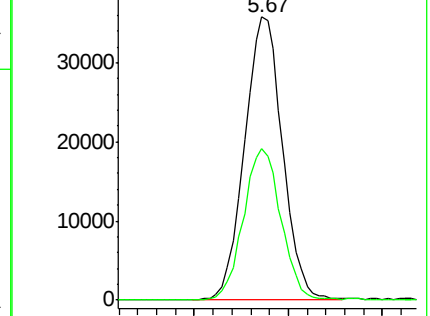
168 100

99 53.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000562.D

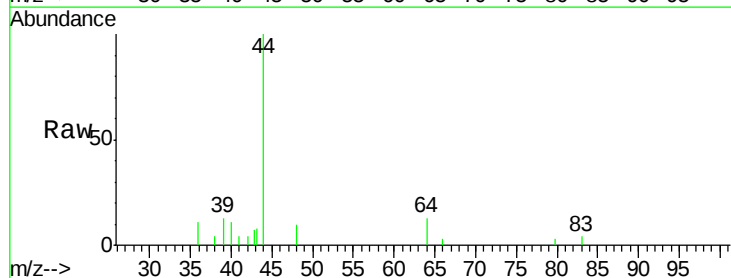
Acq: 30 Mar 2018 16:14

Tgt Ion: 64 Resp: 177

Ion Ratio Lower Upper

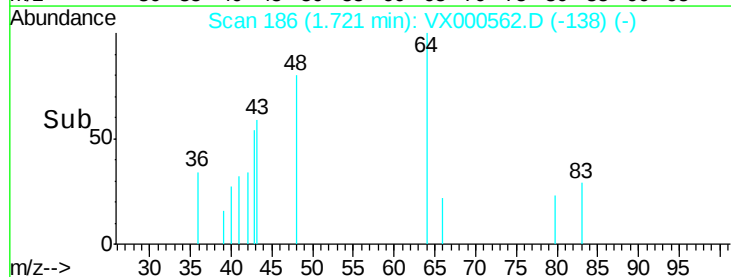
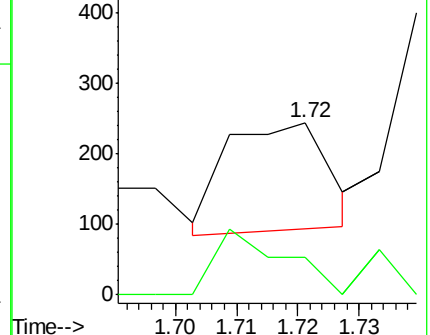
64 100

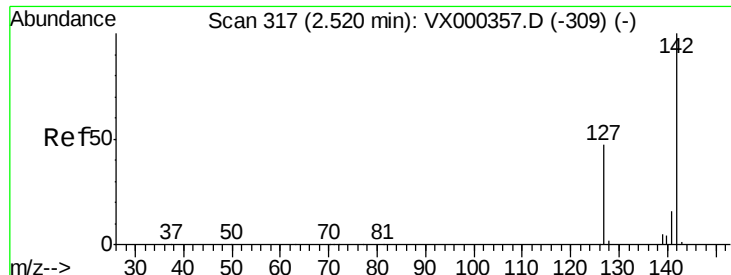
66 37.8 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

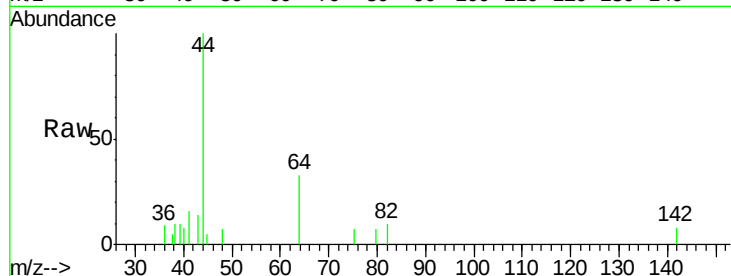




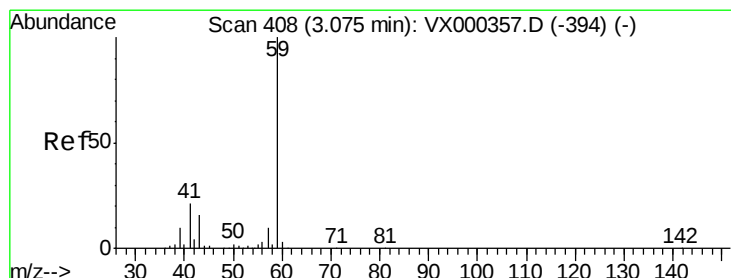
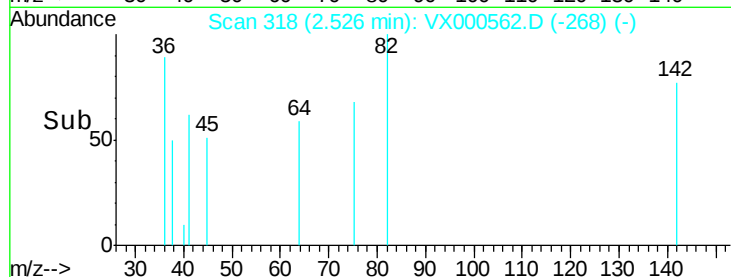
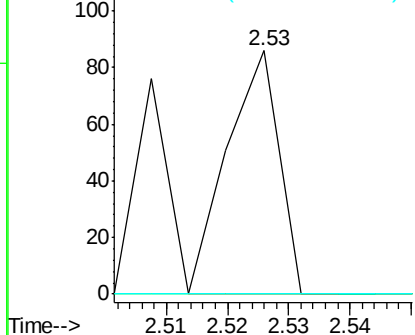
#10
Methyl Iodide
Concen: 4.31 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000562.D
Acq: 30 Mar 2018 16:14

Instrument :
MSVOA_X
ClientSampled :
4529-33

Tgt Ion: 142 Resp: 50
Ion Ratio Lower Upper
142 100
127 0.0 39.2 58.8#
141 0.0 11.7 17.5#

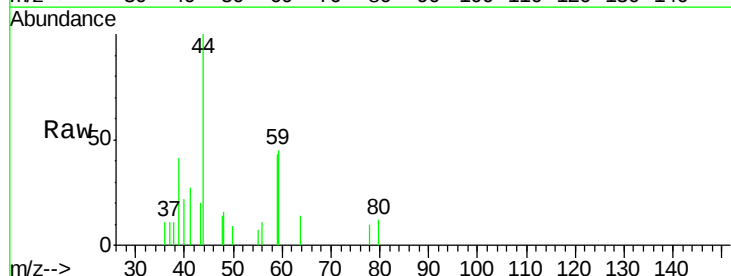


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

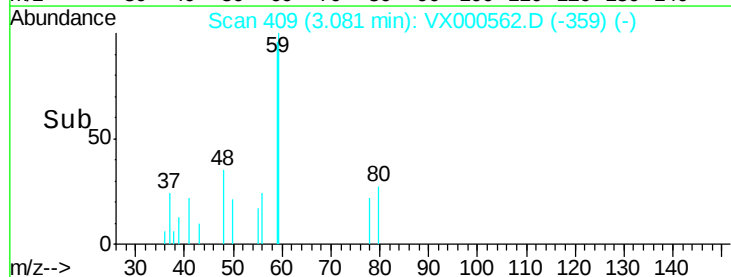
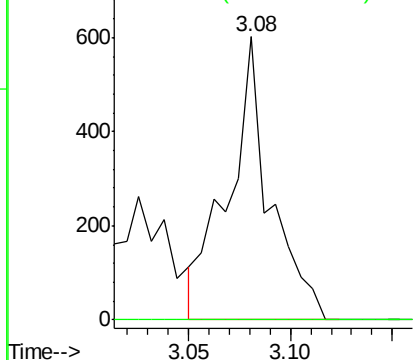


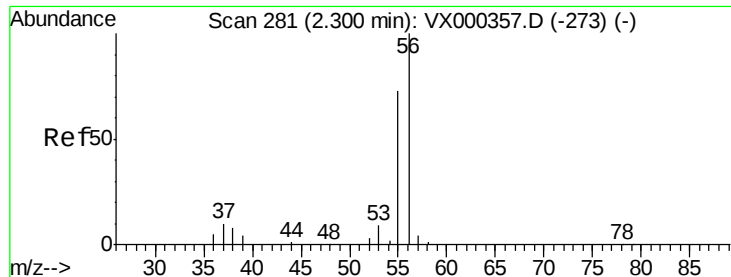
#11
Tert butyl alcohol
Concen: 1.87 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000562.D
Acq: 30 Mar 2018 16:14

Tgt Ion: 59 Resp: 847
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 14.73 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000562.D

Acq: 30 Mar 2018 16:14

Instrument :

MSVOA_X

ClientSampled :

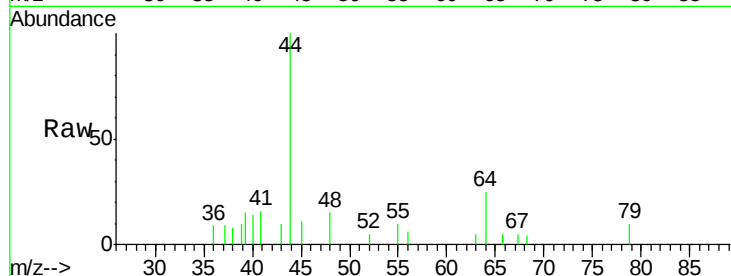
4529-33

Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

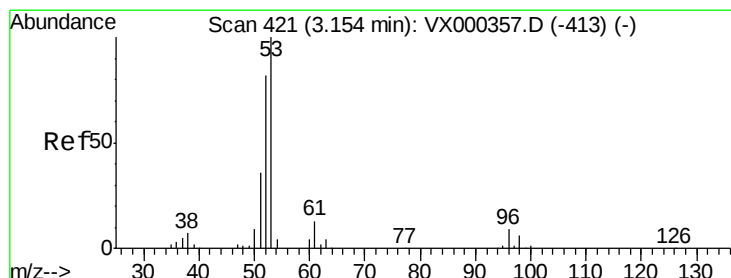
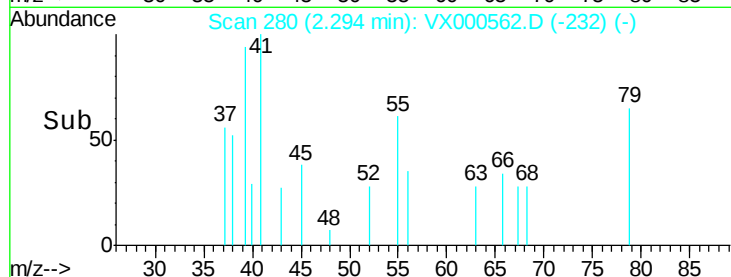
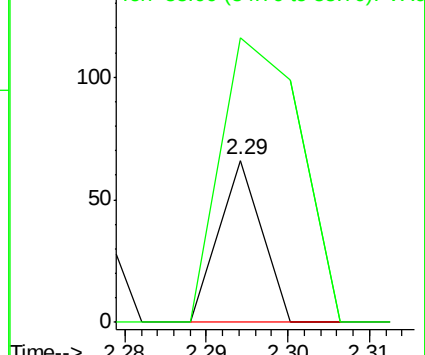
56 100

55 329.2 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.23 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000562.D

Acq: 30 Mar 2018 16:14

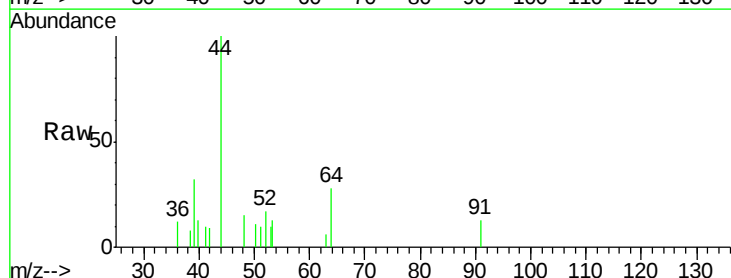
Tgt Ion: 53 Resp: 208

Ion Ratio Lower Upper

53 100

52 84.1 66.6 99.8

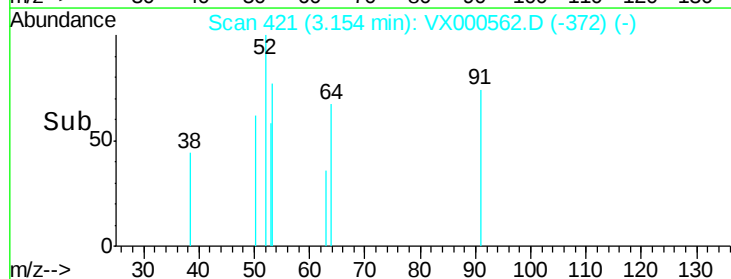
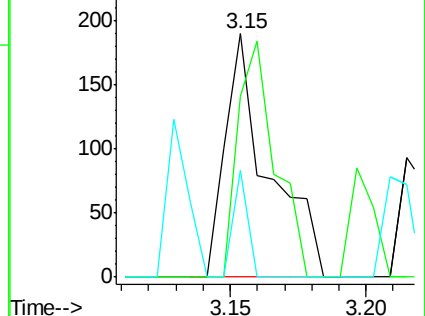
51 0.0 29.3 43.9#

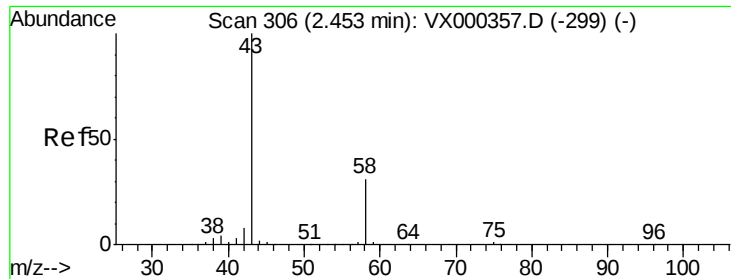


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 8.53 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000562.D

Acq: 30 Mar 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

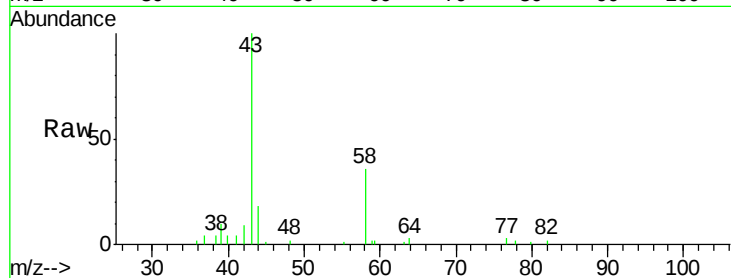
4529-33

Tgt Ion: 43 Resp: 9370

Ion Ratio Lower Upper

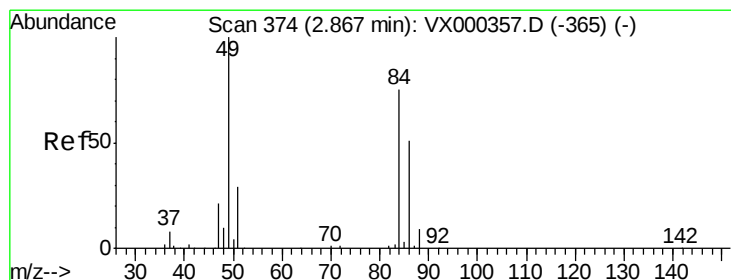
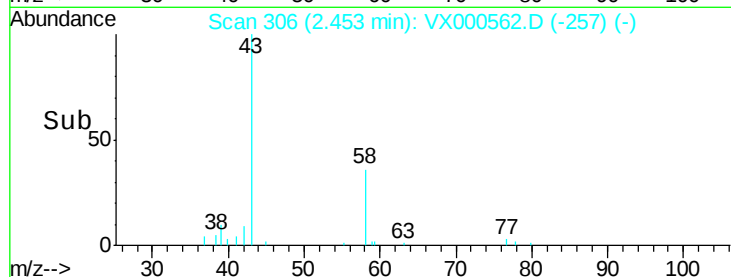
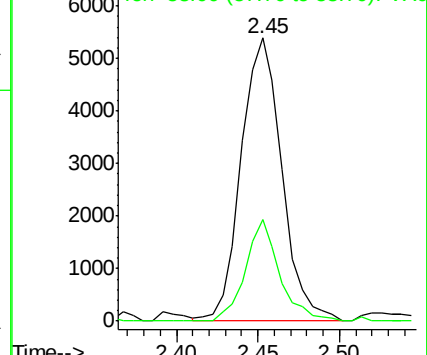
43 100

58 35.9 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 6.36 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.01 min

Lab File: VX000562.D

Acq: 30 Mar 2018 16:14

Tgt Ion: 84 Resp: 8061

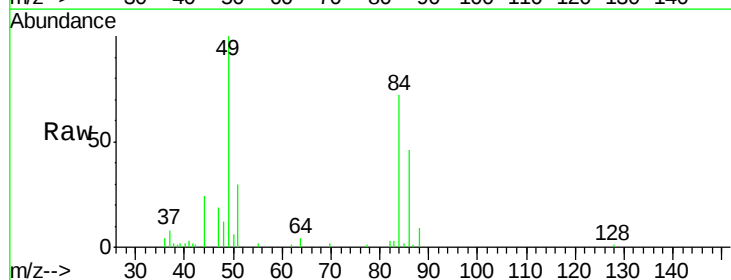
Ion Ratio Lower Upper

84 100

49 138.0 100.6 151.0

51 41.8 31.6 47.4

86 63.1 52.6 78.8

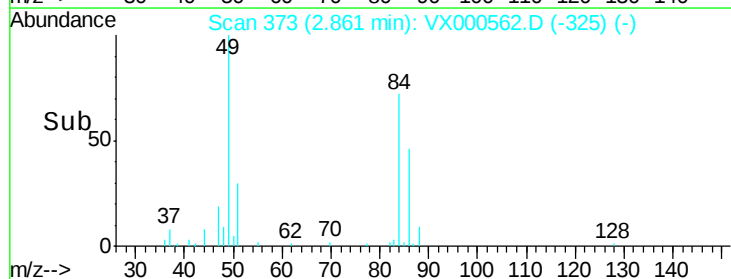
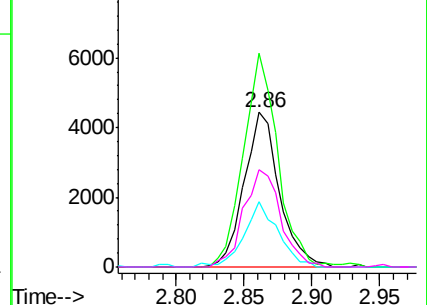


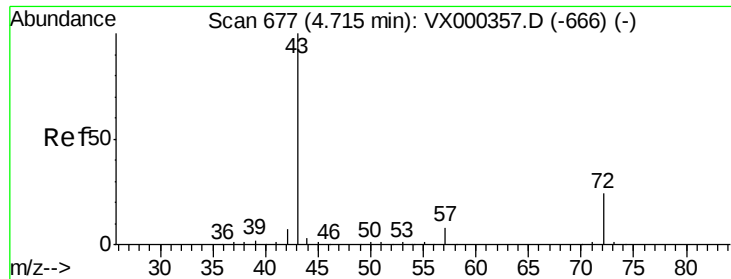
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.64 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX000562.D

Acq: 30 Mar 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

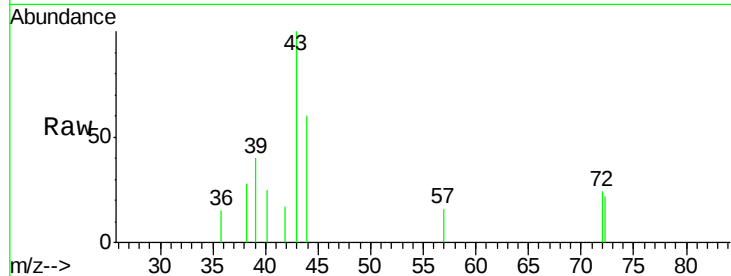
4529-33

Tgt Ion: 43 Resp: 793

Ion Ratio Lower Upper

43 100

72 46.4 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.73

400

300

200

100

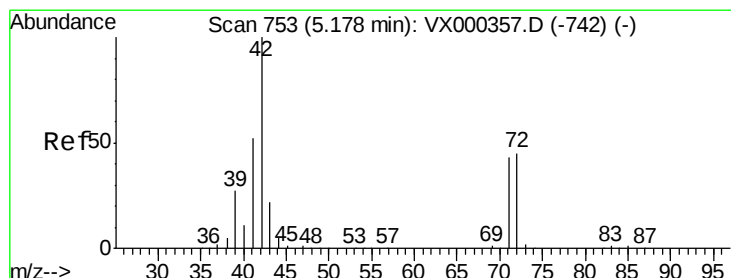
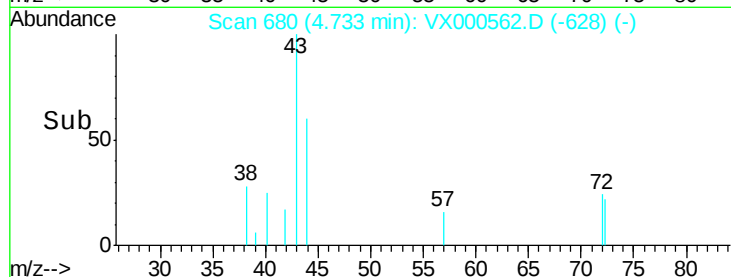
0

Time-->

4.65

4.70

4.75



#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX000562.D

Acq: 30 Mar 2018 16:14

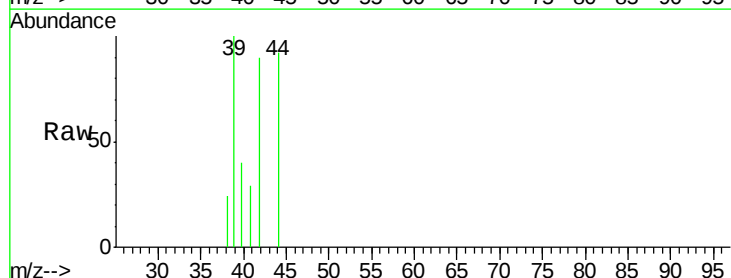
Tgt Ion: 42 Resp: 173

Ion Ratio Lower Upper

42 100

72 0.0 37.9 56.9#

71 0.0 34.4 51.6#



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

250

200

150

100

50

0

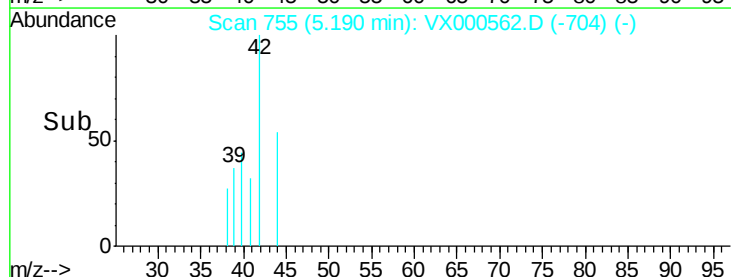
Time-->

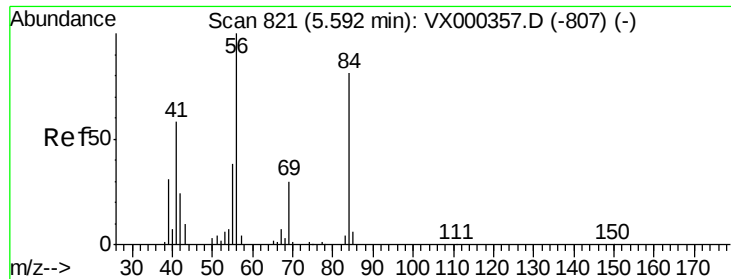
5.16

5.18

5.20

5.22

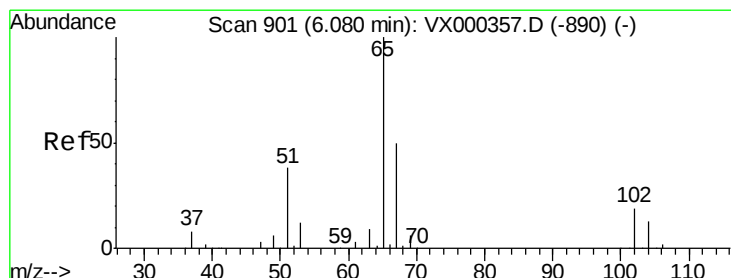
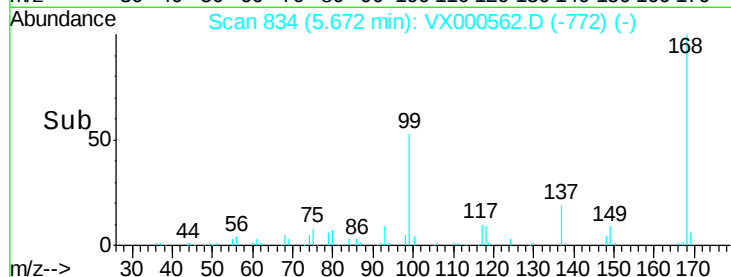
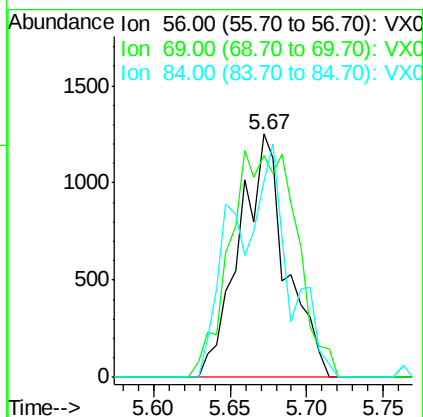
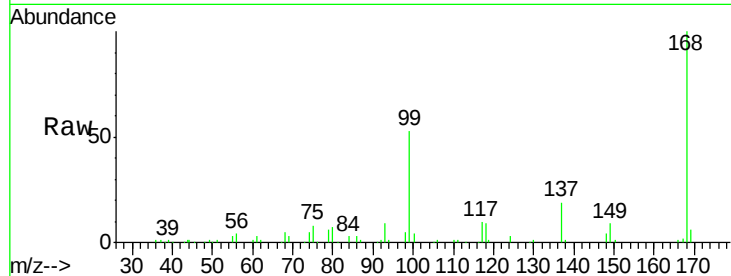




#31
Cyclohexane
Concen: 1.61 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000562.D
Acq: 30 Mar 2018 16:14

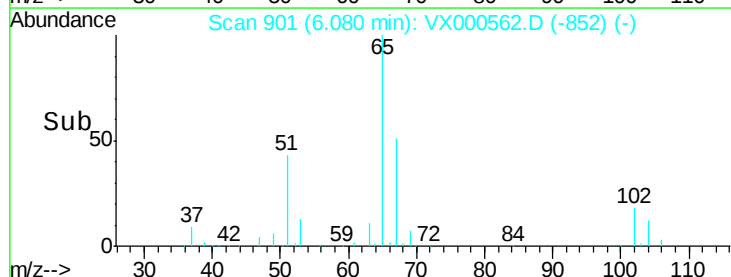
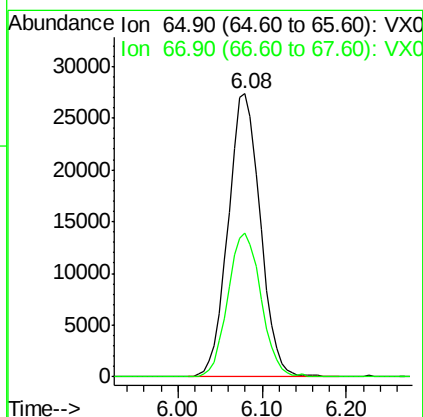
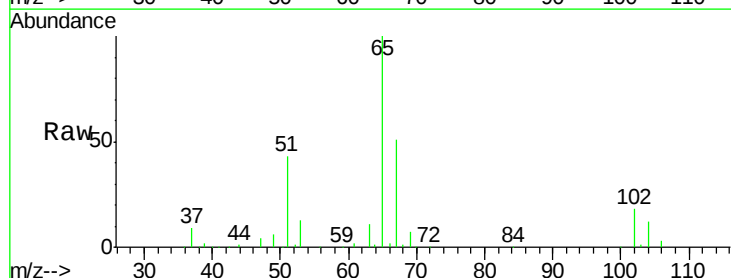
Instrument :
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4529-33

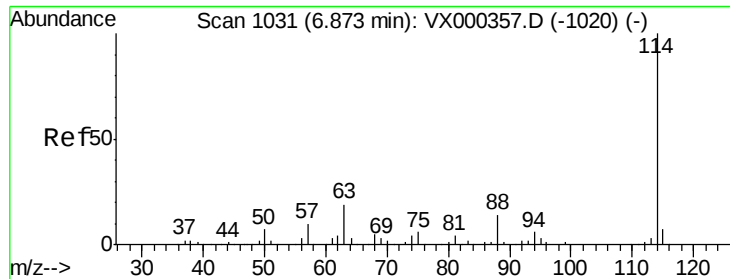
Tgt Ion: 56 Resp: 2676
Ion Ratio Lower Upper
56 100
69 91.0 23.4 35.0#
84 80.5 71.0 106.4



#33
1,2-Dichloroethane-d4
Concen: 53.67 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000562.D
Acq: 30 Mar 2018 16:14

Tgt Ion: 65 Resp: 70838
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.2

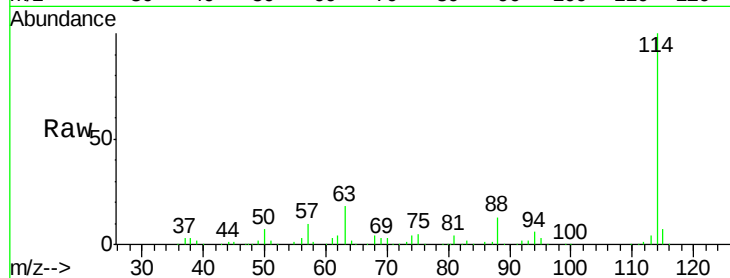




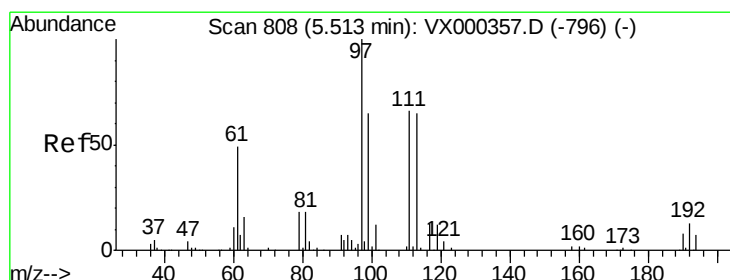
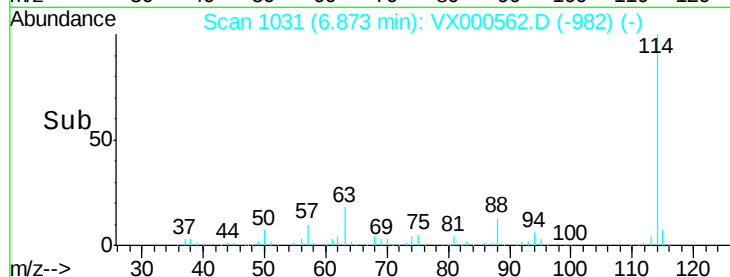
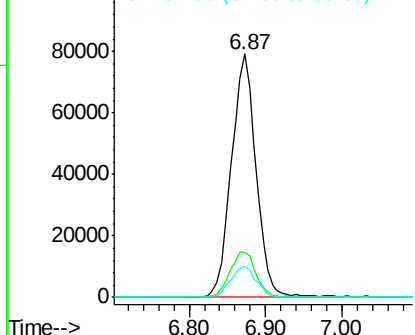
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000562.D
 Acq: 30 Mar 2018 16:14

Instrument :
 MSVOA_X
 ClientSampled :
 4529-33

Tgt Ion:114 Resp: 176499
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 12.8 0.0 27.0

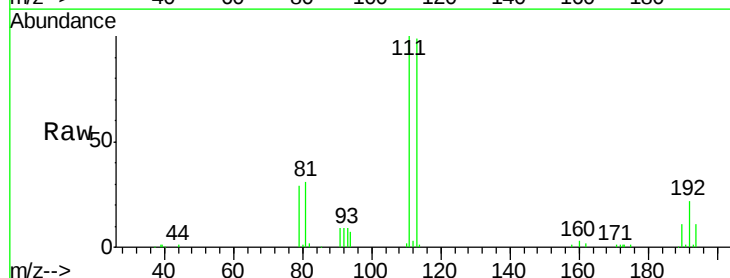


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

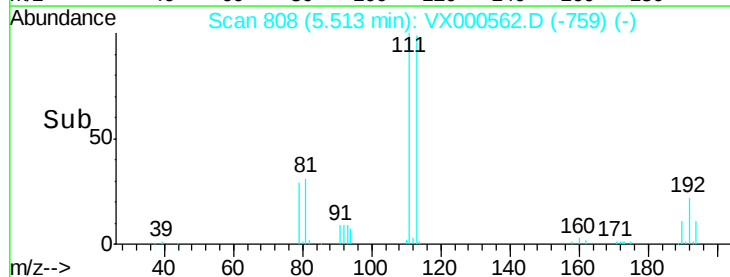
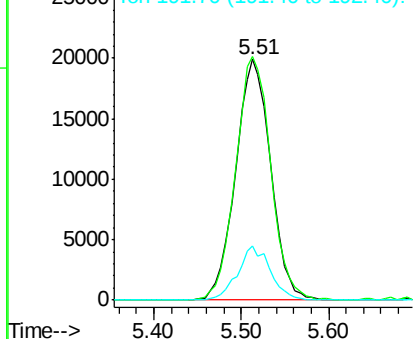


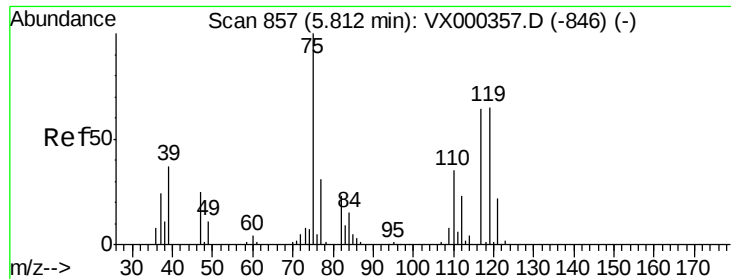
#35
 Dibromofluoromethane
 Concen: 49.78 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000562.D
 Acq: 30 Mar 2018 16:14

Tgt Ion:113 Resp: 55362
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.4 123.6
 192 20.7 15.8 23.6



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

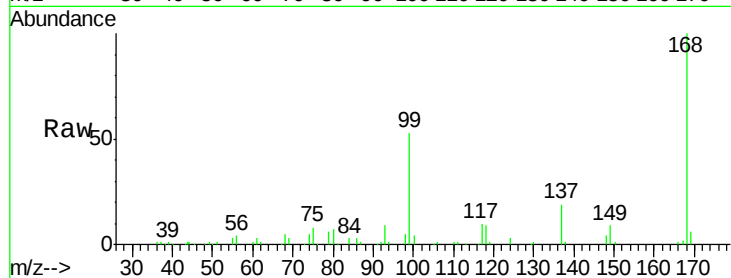




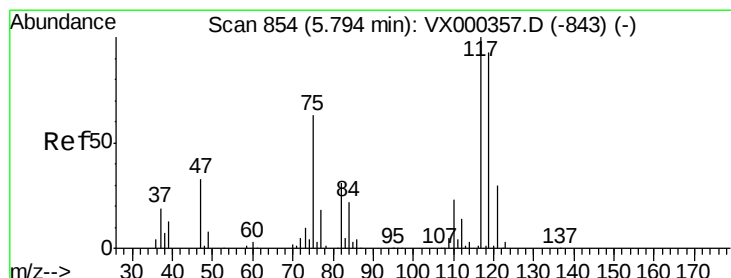
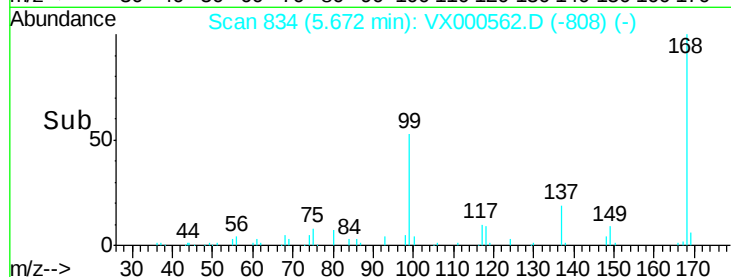
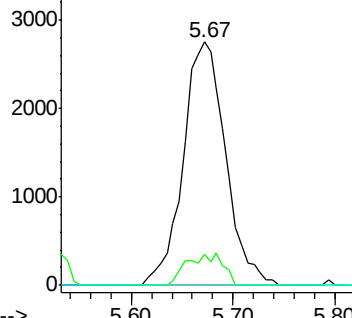
#36
 1,1-Dichloropropene
 Concen: 4.80 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000562.D
 Acq: 30 Mar 2018 16:14

Instrument :
 MSVOA_X
 ClientSampled :
 4529-33

Tgt Ion: 75 Resp: 7935
 Ion Ratio Lower Upper
 75 100
 110 11.1 17.9 53.7#
 77 0.0 24.0 36.0#

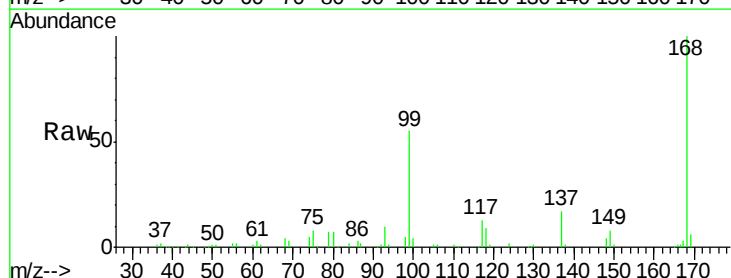


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

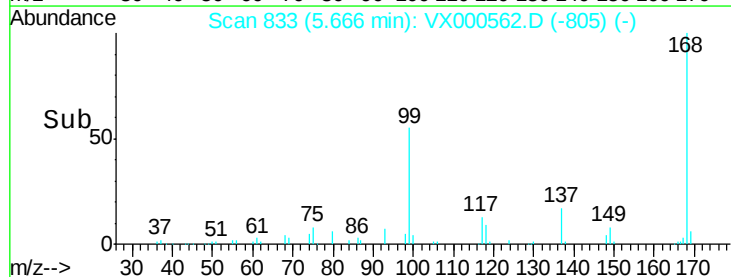
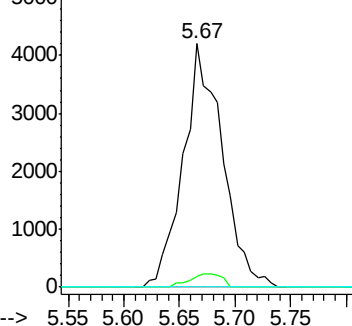


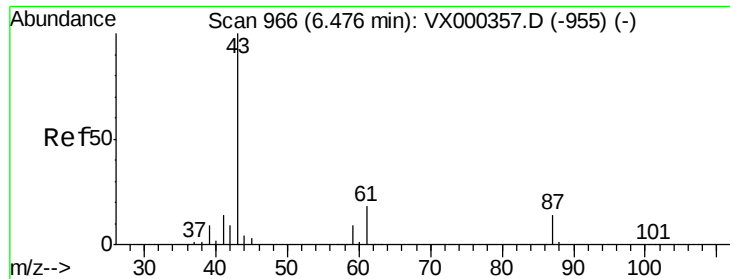
#38
 Carbon Tetrachloride
 Concen: 5.91 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX000562.D
 Acq: 30 Mar 2018 16:14

Tgt Ion: 117 Resp: 10255
 Ion Ratio Lower Upper
 117 100
 119 4.1 77.4 116.2#
 121 0.0 24.8 37.2#



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: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000562.D

Acq: 30 Mar 2018 16:14

Instrument :

MSVOA_X

ClientSampled :

4529-33

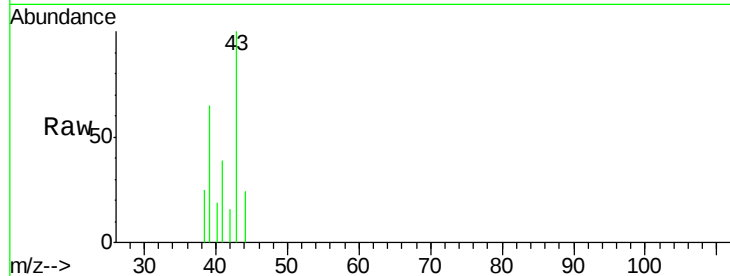
Tgt Ion: 43 Resp: 858

Ion Ratio Lower Upper

43 100

61 6.5 14.4 21.6#

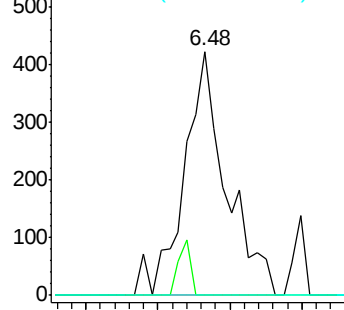
87 0.0 11.0 16.4#



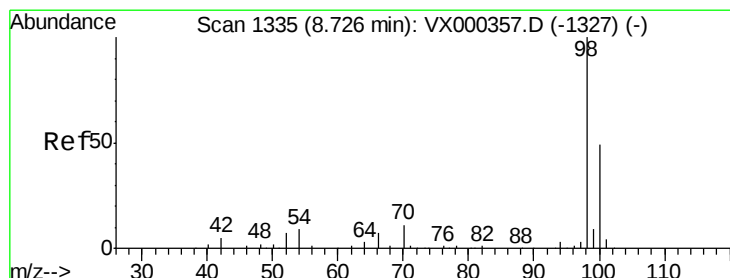
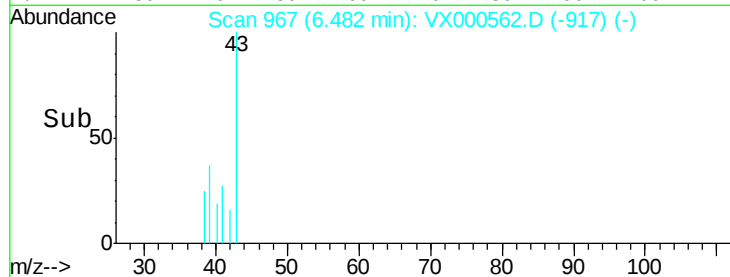
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#50

Toluene-d8

Concen: 48.60 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000562.D

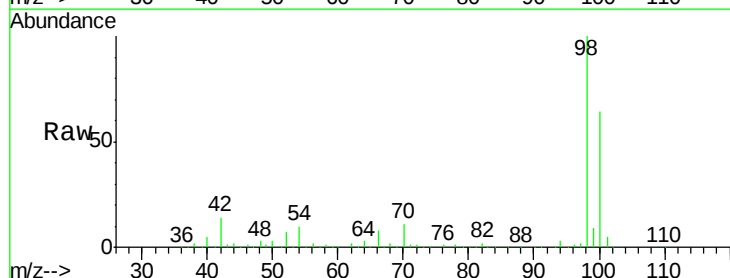
Acq: 30 Mar 2018 16:14

Tgt Ion: 98 Resp: 223826

Ion Ratio Lower Upper

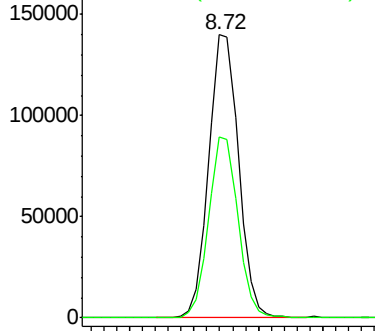
98 100

100 62.8 51.2 76.8

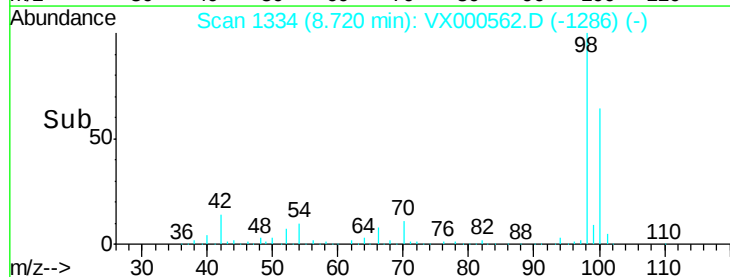


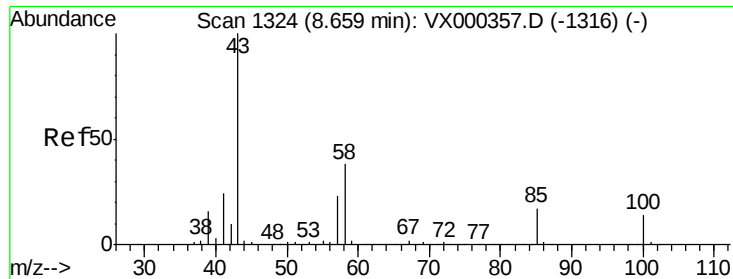
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->

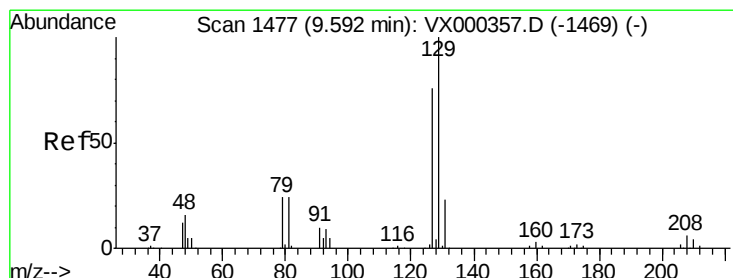
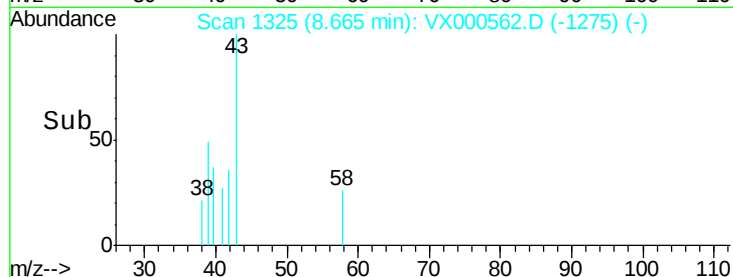
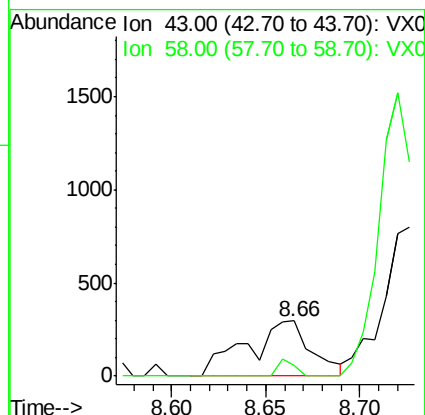
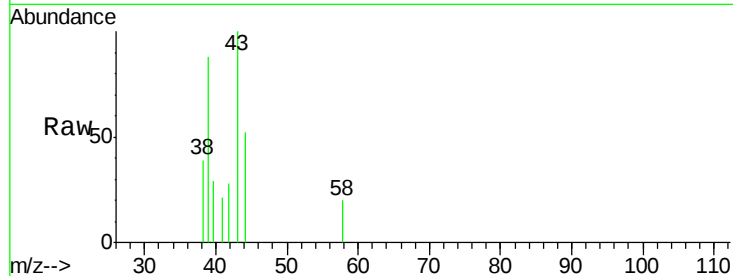




#51
 4-Methyl-2-Pentanone
 Concen: 0.27 ug/l
 RT: 8.66 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VX000562.D
 Acq: 30 Mar 2018 16:14

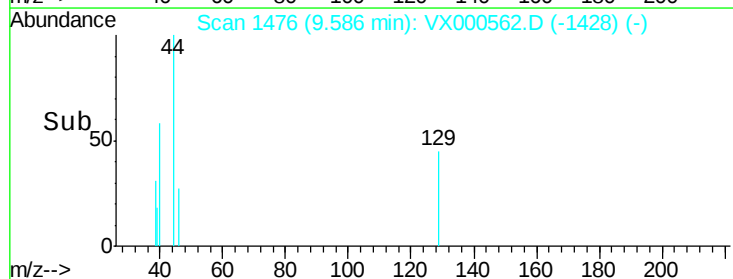
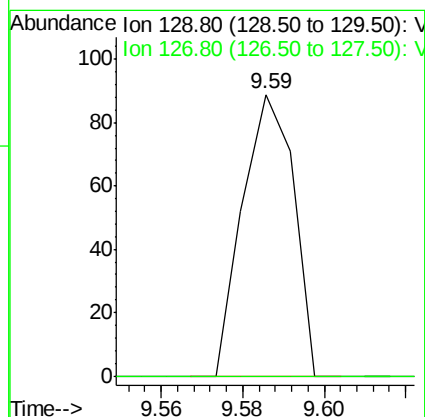
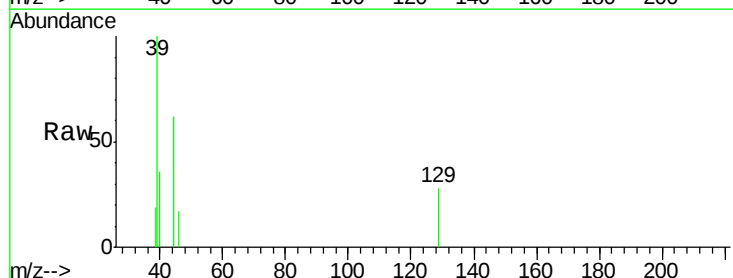
Instrument :
 MSVOA_X
 ClientSampleId :
 4529-33

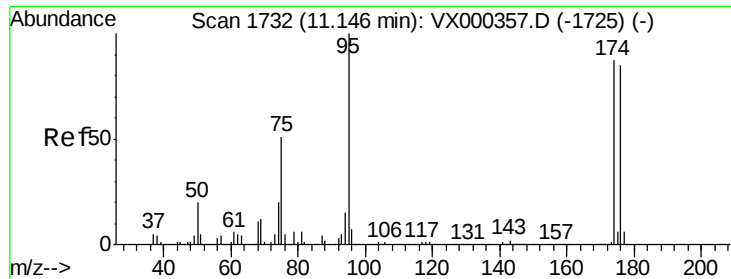
Tgt Ion: 43 Resp: 703
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.3 45.5#



#60
 Dibromochloromethane
 Concen: 4.16 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: VX000562.D
 Acq: 30 Mar 2018 16:14

Tgt Ion: 129 Resp: 78
 Ion Ratio Lower Upper
 129 100
 127 0.0 37.9 113.6#





#62

4-Bromofluorobenzene

Concen: 39.56 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000562.D

Acq: 30 Mar 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

4529-33

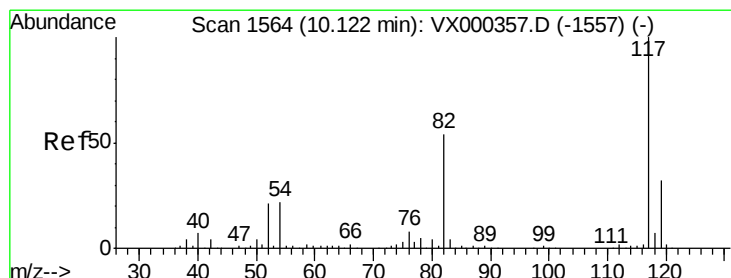
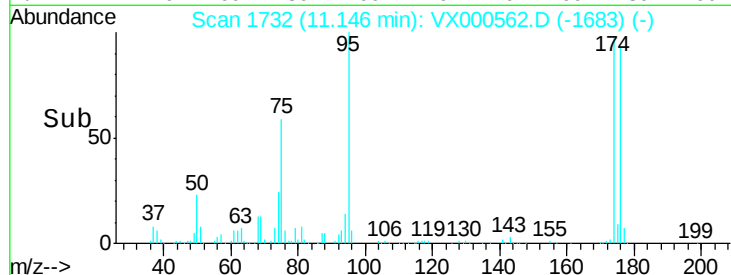
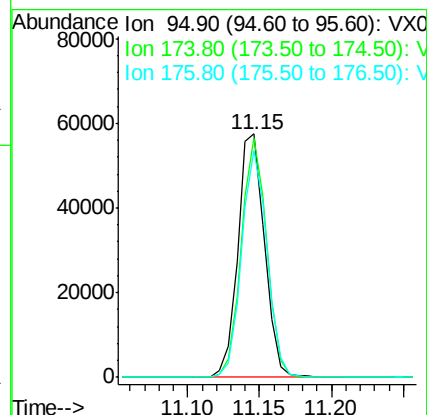
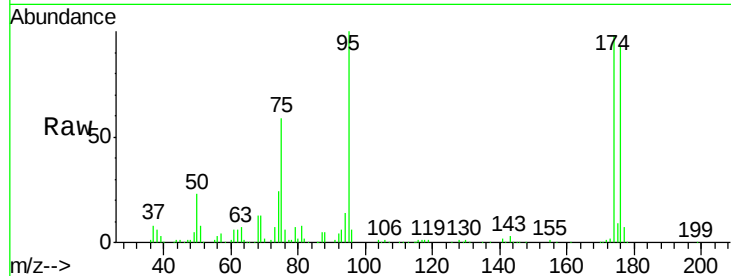
Tgt Ion: 95 Resp: 74138

Ion Ratio Lower Upper

95 100

174 93.4 0.0 173.6

176 89.3 0.0 164.6



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000562.D

Acq: 30 Mar 2018 16:14

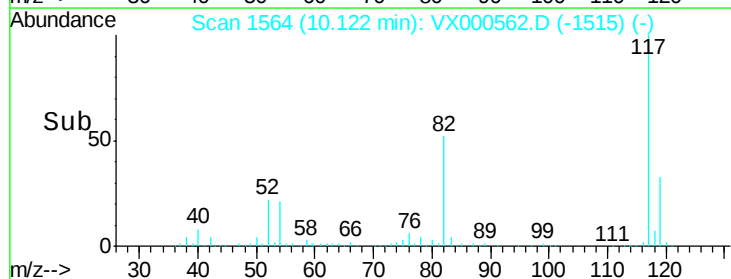
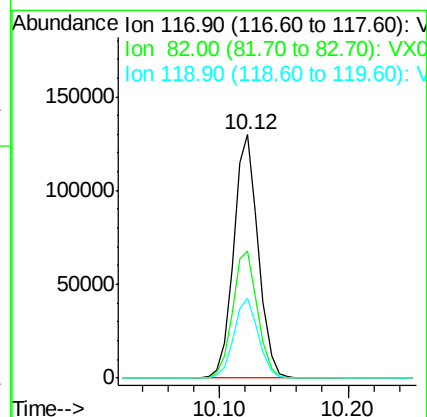
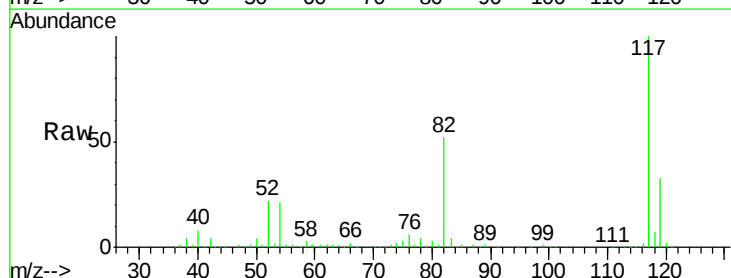
Tgt Ion: 117 Resp: 172641

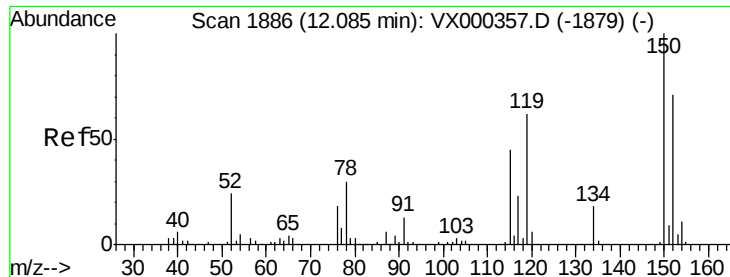
Ion Ratio Lower Upper

117 100

82 52.4 43.8 65.8

119 32.8 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000562.D

Acq: 30 Mar 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

4529-33

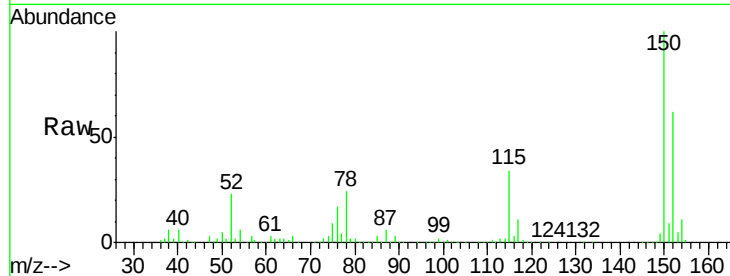
Tgt Ion:152 Resp: 90418

Ion Ratio Lower Upper

152 100

115 56.1 39.8 119.3

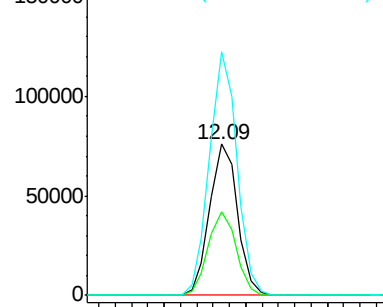
150 159.4 0.0 344.4



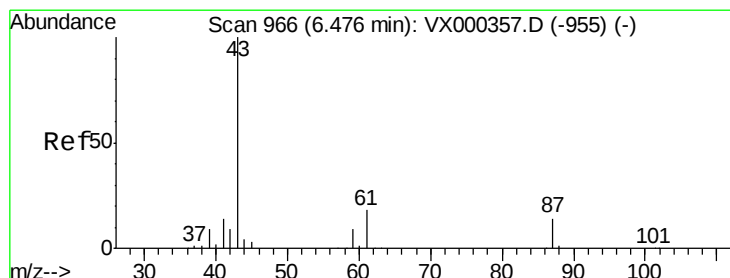
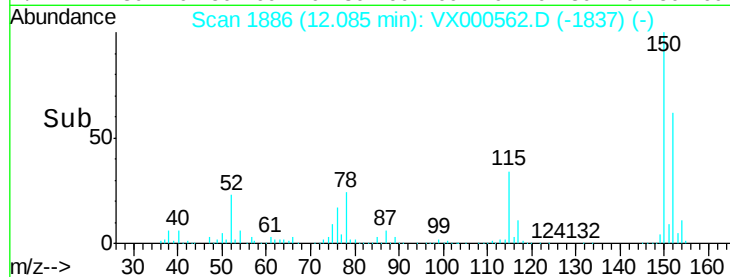
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000562.D

Acq: 30 Mar 2018 16:14

Tgt Ion: 43 Resp: 858

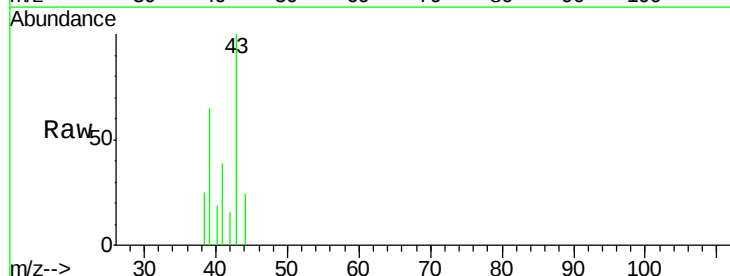
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 6.5 14.4 21.6#

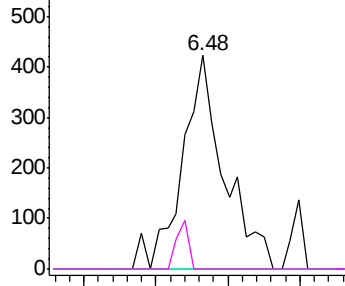


Abundance Ion 43.00 (42.70 to 43.70): VX0

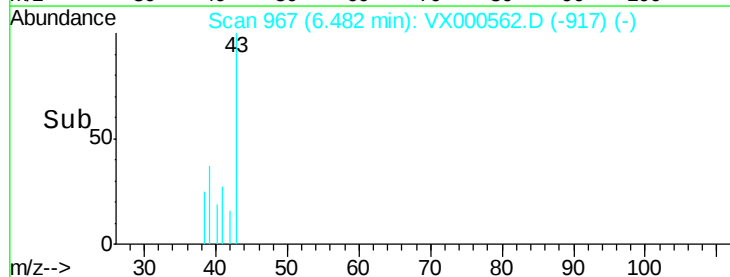
Ion 70.00 (69.70 to 70.70): VX0

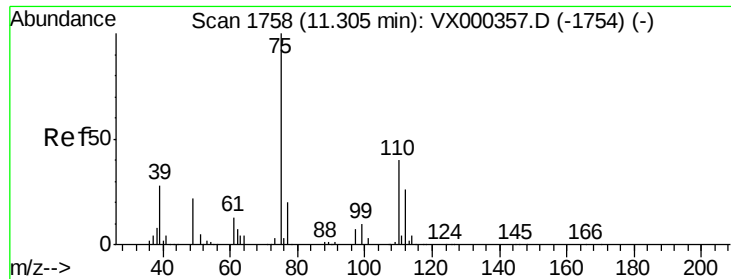
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->





#76

1,2,3-Trichloropropane

Concen: 22.23 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000562.D

Acq: 30 Mar 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

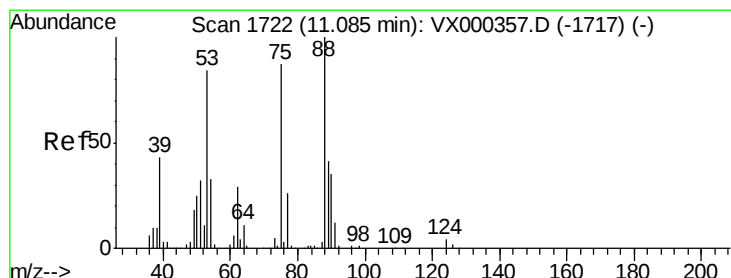
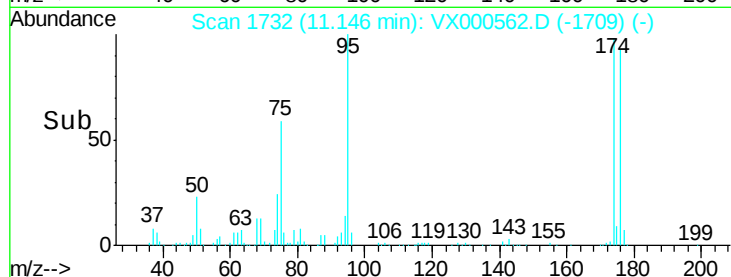
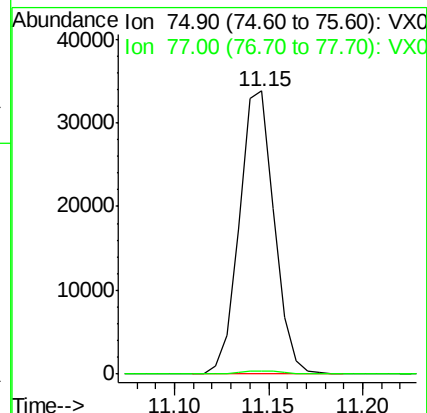
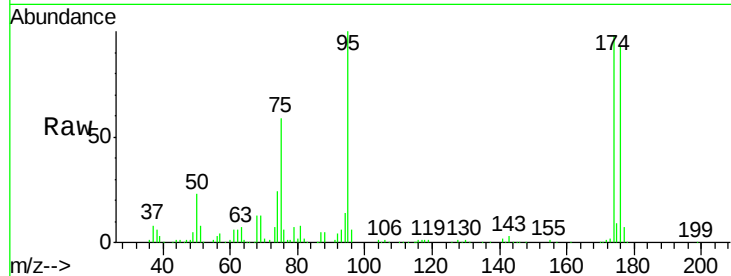
4529-33

Tgt Ion: 75 Resp: 43189

Ion Ratio Lower Upper

75 100

77 1.2 21.4 64.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.96 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000562.D

Acq: 30 Mar 2018 16:14

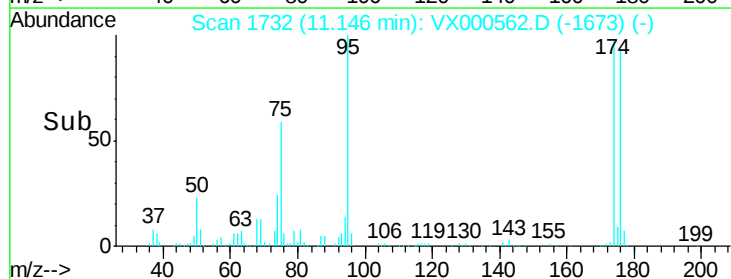
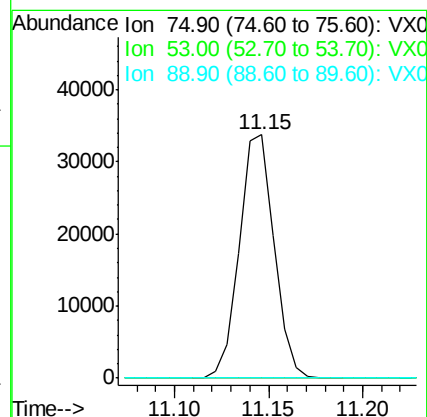
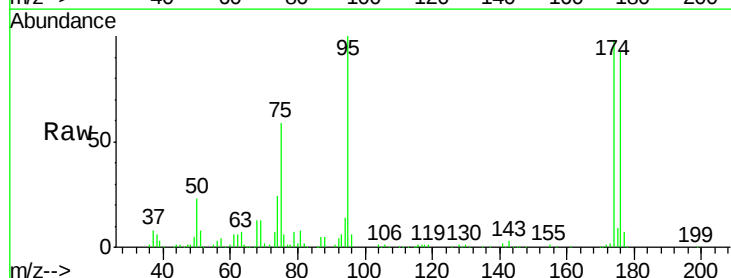
Tgt Ion: 75 Resp: 43189

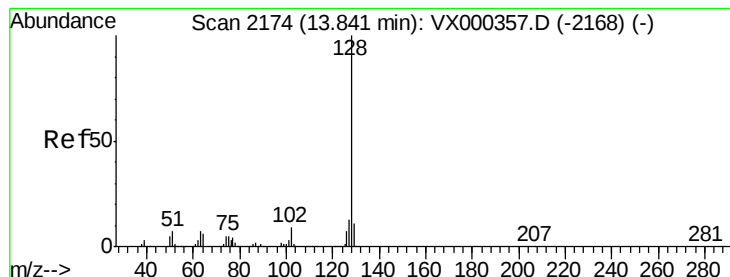
Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#





#95

Naphthalene

Concen: 4.02 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000562.D

Acq: 30 Mar 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

4529-33

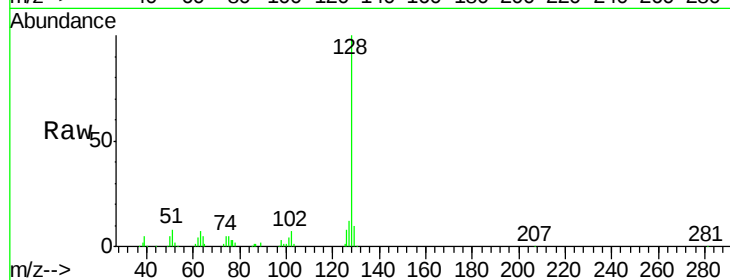
Tgt Ion:128 Resp: 29694

Ion Ratio Lower Upper

128 100

127 14.0 10.6 15.8

129 10.5 8.9 13.3



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

