

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX033018\
 Data File : VX000558.D
 Acq On : 30 Mar 2018 14:03
 Operator : JC/MD
 Sample : VX0330WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBL01

Quant Time: Mar 30 14:23:48 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	98994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	170607	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	174015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	88392	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	69087	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
35) Dibromofluoromethane	5.51	113	54047	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	8.72	98	217423	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.15	95	72658	40.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.06%	

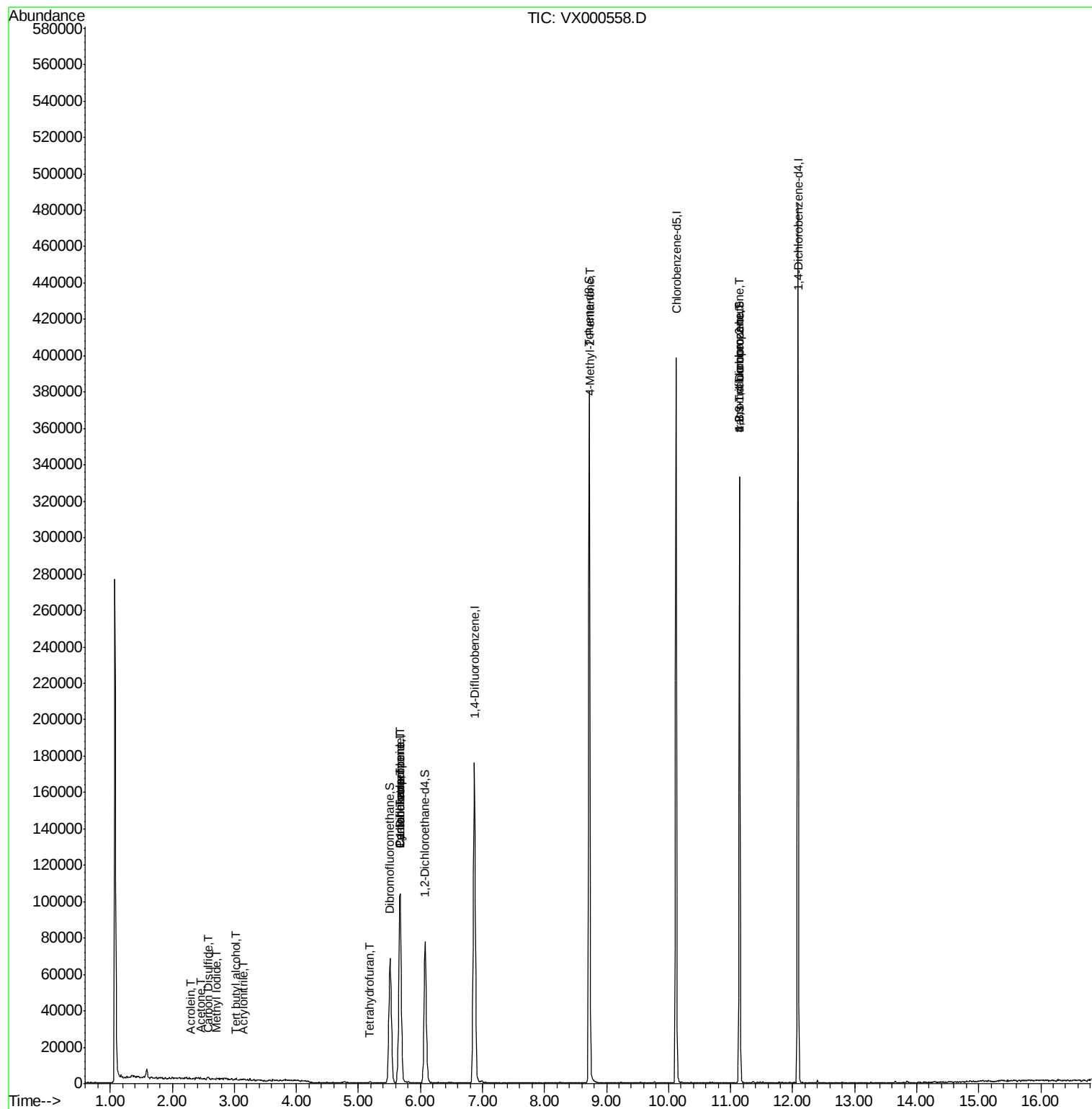
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.78	64	38	Below Cal	#	44
10) Methyl Iodide	2.71	142	23	4.29	ug/l #	37
11) Tert butyl alcohol	3.02	59	334	0.75	ug/l #	72
13) Acrolein	2.29	56	49	14.90	ug/l #	1
14) Allyl chloride	2.73	41	183	Below Cal	#	35
15) Acrylonitrile	3.14	53	212	0.24	ug/l #	31
16) Acetone	2.45	43	706	0.66	ug/l #	85
17) Carbon Disulfide	2.57	76	727	0.27	ug/l #	1
29) Tetrahydrofuran	5.18	42	177	0.24	ug/l #	55
31) Cyclohexane	5.67	56	2502	1.53	ug/l #	45
36) 1,1-Dichloropropene	5.67	75	7953	4.98	ug/l #	51
38) Carbon Tetrachloride	5.67	117	10399	6.20	ug/l #	17
51) 4-Methyl-2-Pentanone	8.73	43	1388	0.55	ug/l #	1
74) N-amyl acetate	6.47	43	21	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.14	75	43861	23.09	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	43861	74.75	ug/l #	9

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000558.D

Acq: 30 Mar 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

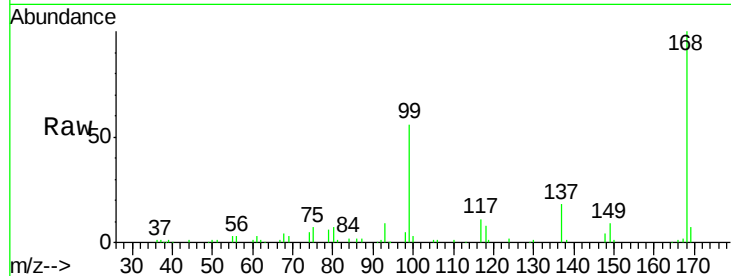
VX0330WBL01

Tgt Ion:168 Resp: 98994

Ion Ratio Lower Upper

168 100

99 56.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

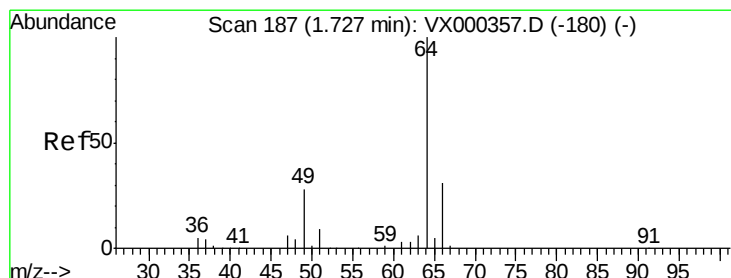
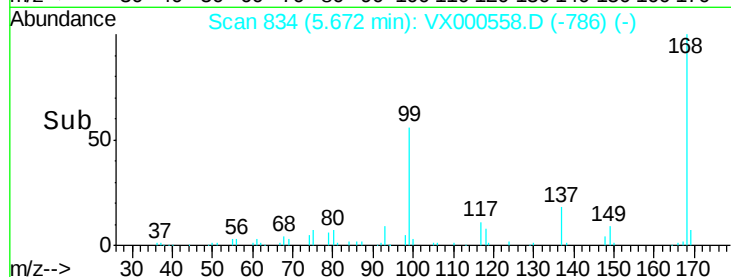
20000

10000

0

5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.78 min Scan# 195

Delta R.T. 0.05 min

Lab File: VX000558.D

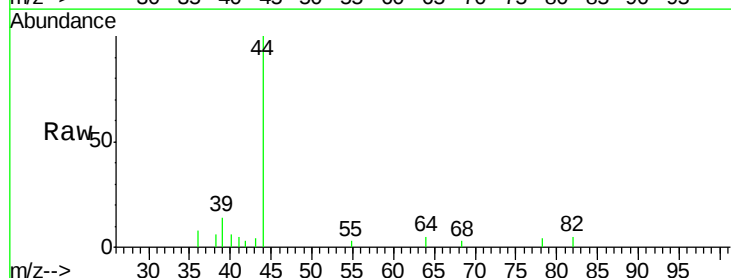
Acq: 30 Mar 2018 14:03

Tgt Ion: 64 Resp: 38

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.78

120

100

80

60

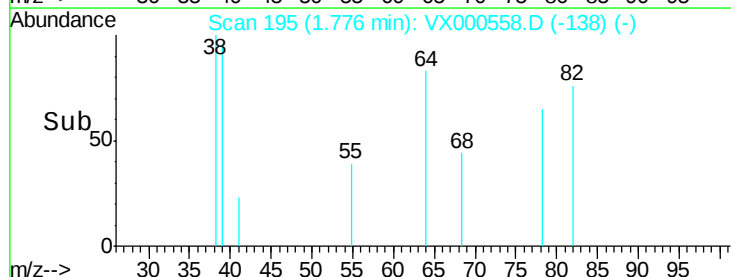
40

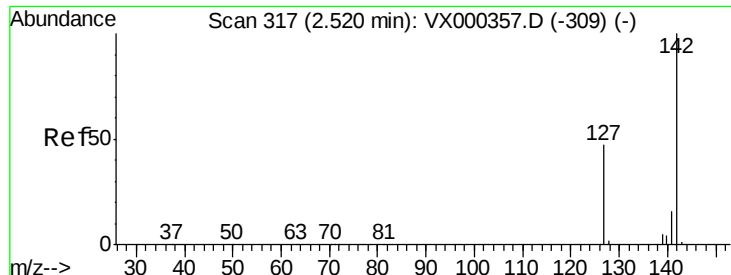
20

0

1.76 1.77 1.78 1.79

Time-->

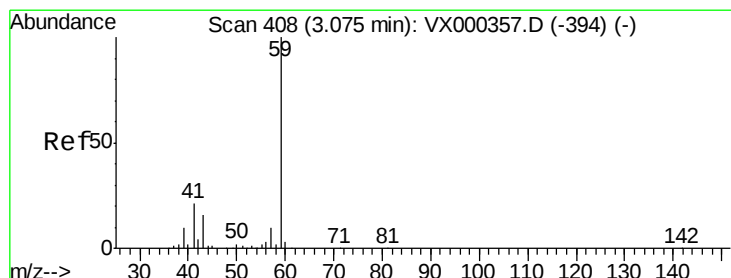
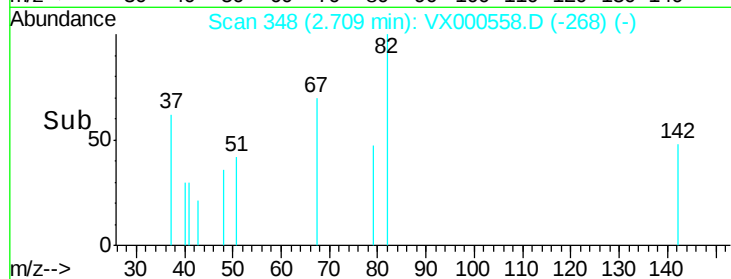
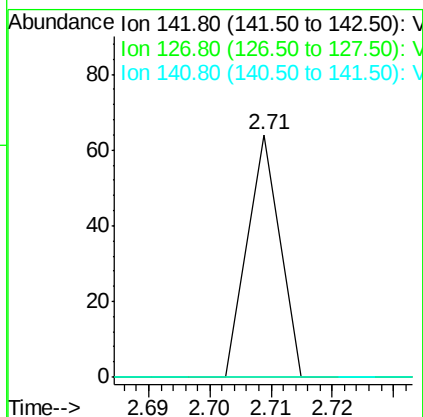
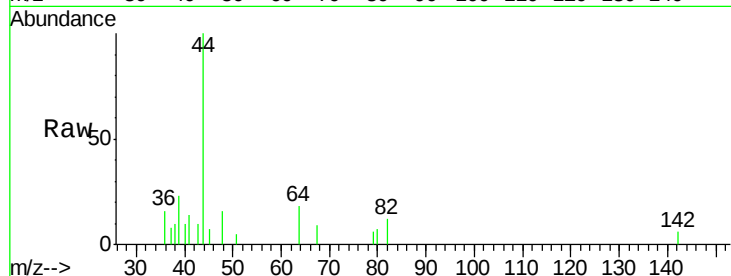




#10
Methyl Iodide
Concen: 4.29 ug/l
RT: 2.71 min Scan# 348
Delta R.T. 0.19 min
Lab File: VX000558.D
Acq: 30 Mar 2018 14:03

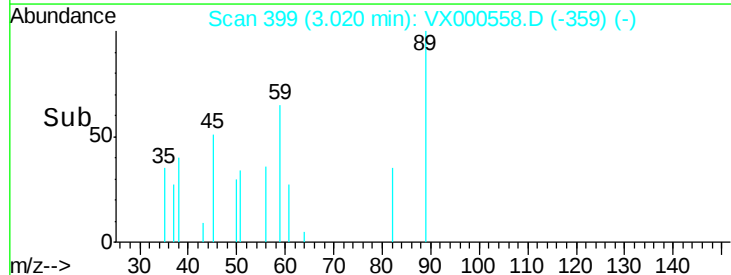
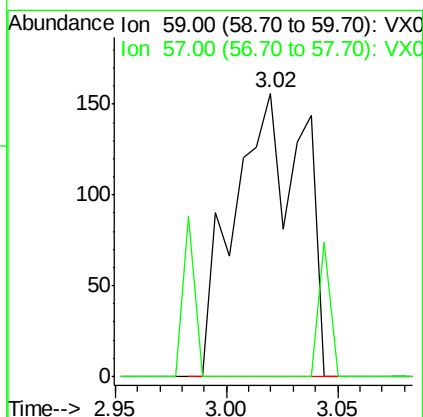
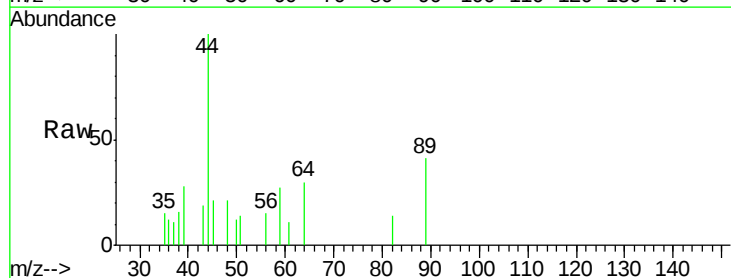
Instrument :
MSVOA_X
ClientSampleId :
VX0330WBL01

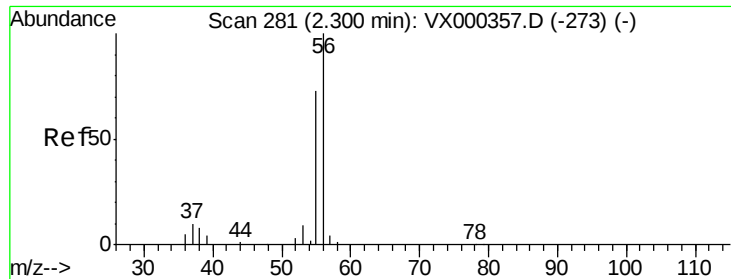
Tgt Ion:142 Resp: 23
Ion Ratio Lower Upper
142 100
127 0.0 39.2 58.8#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.75 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.05 min
Lab File: VX000558.D
Acq: 30 Mar 2018 14:03

Tgt Ion: 59 Resp: 334
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#13

Acrolein

Concen: 14.90 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000558.D

Acq: 30 Mar 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

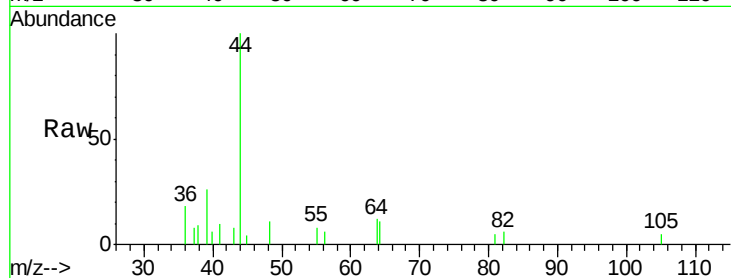
VX0330WBL01

Tgt Ion: 56 Resp: 49

Ion Ratio Lower Upper

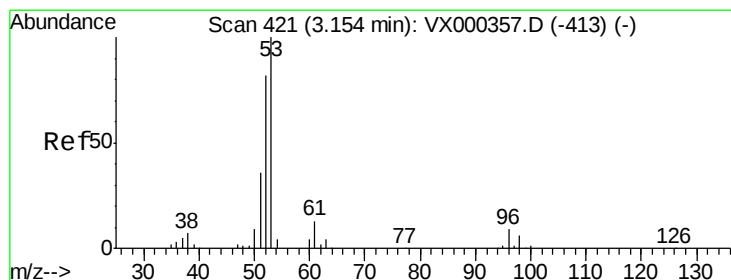
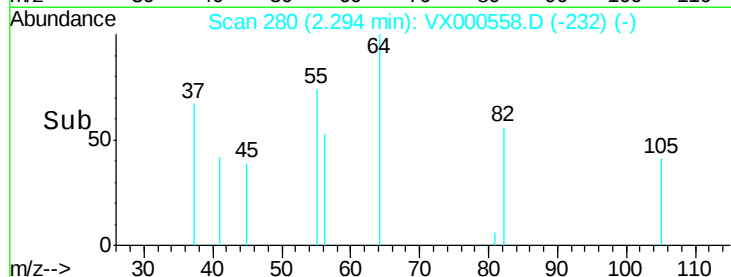
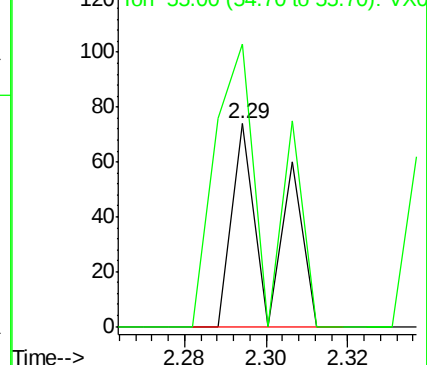
56 100

55 189.8 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: 0.24 ug/l

RT: 3.14 min Scan# 418

Delta R.T. -0.02 min

Lab File: VX000558.D

Acq: 30 Mar 2018 14:03

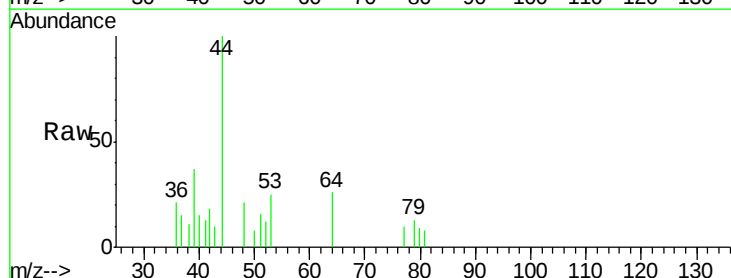
Tgt Ion: 53 Resp: 212

Ion Ratio Lower Upper

53 100

52 0.0 66.6 99.8#

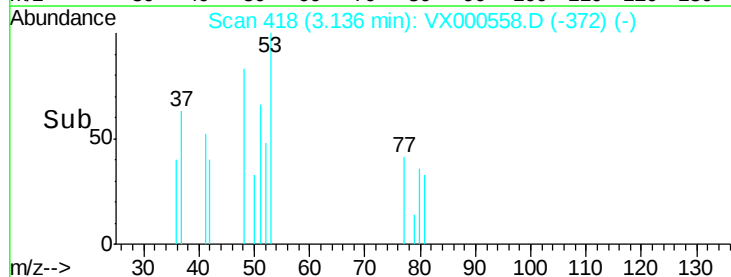
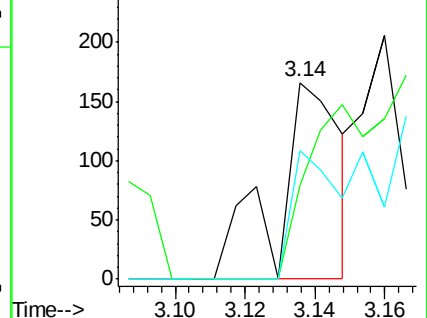
51 46.7 29.3 43.9#

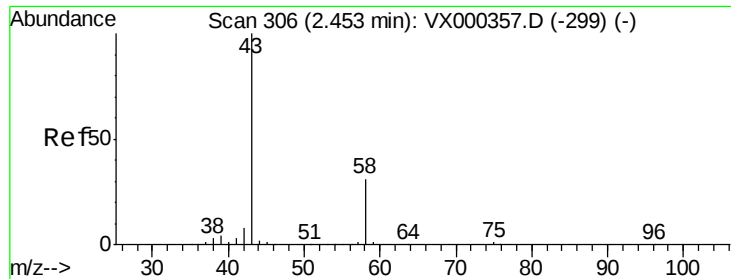


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.66 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000558.D

Acq: 30 Mar 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

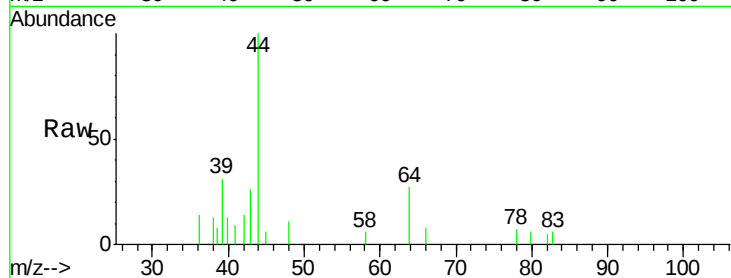
VX0330WBL01

Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

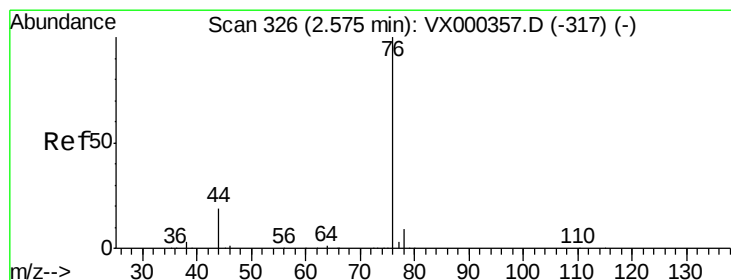
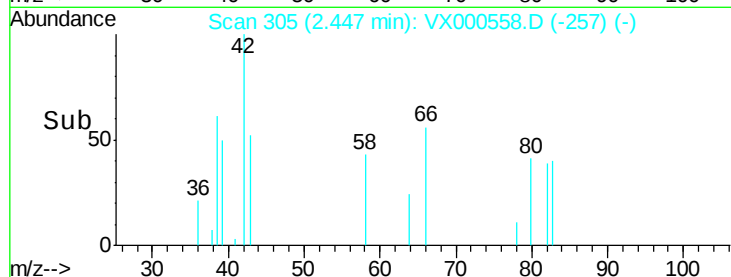
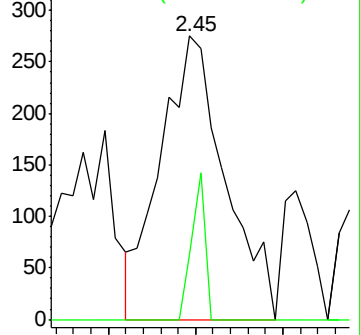
43 100

58 22.9 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.27 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000558.D

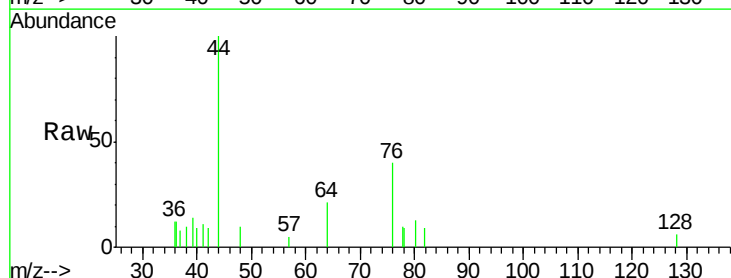
Acq: 30 Mar 2018 14:03

Tgt Ion: 76 Resp: 727

Ion Ratio Lower Upper

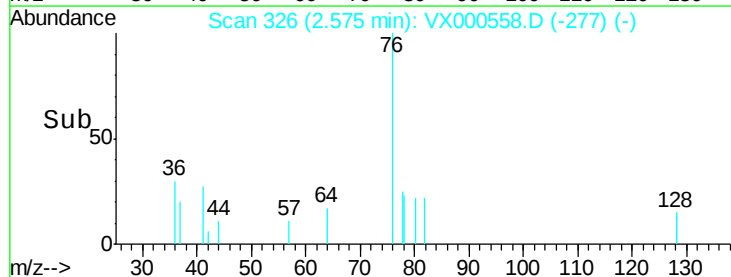
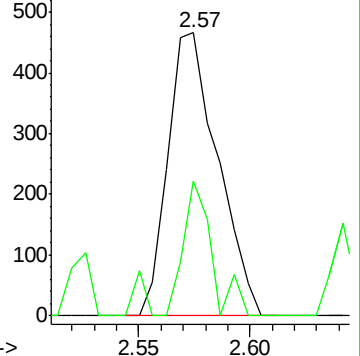
76 100

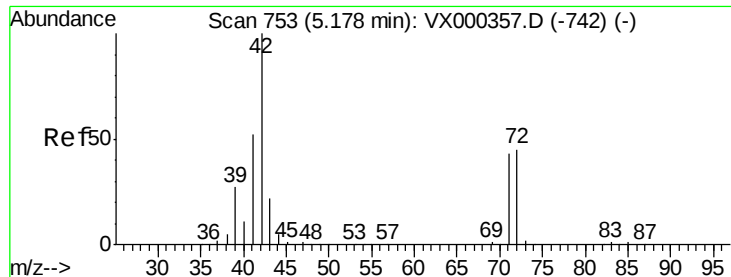
78 47.4 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#29

Tetrahydrofuran

Concen: 0.24 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000558.D

Acq: 30 Mar 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBL01

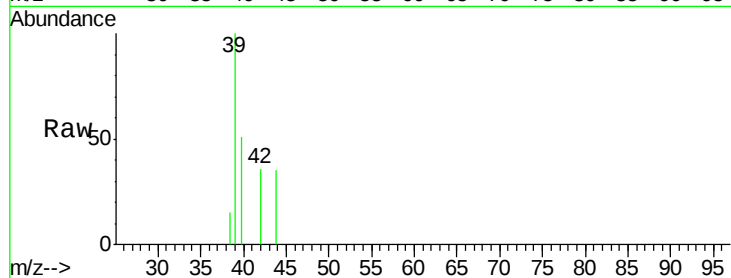
Tgt Ion: 42 Resp: 177

Ion Ratio Lower Upper

42 100

72 63.8 37.9 56.9#

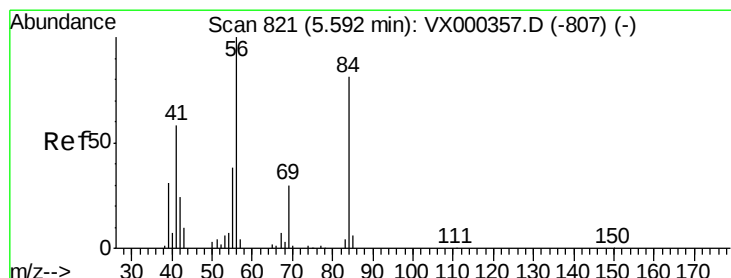
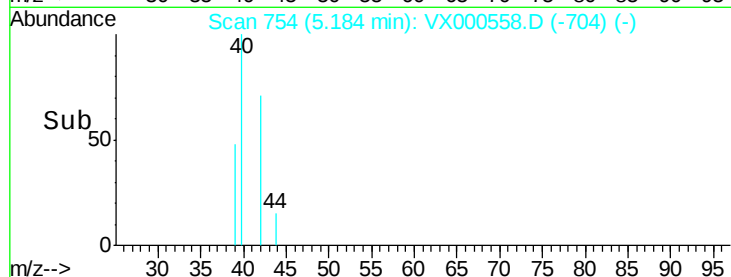
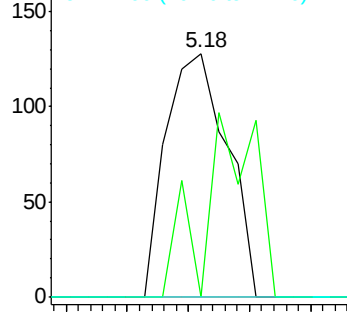
71 0.0 34.4 51.6#



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



#31

Cyclohexane

Concen: 1.53 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000558.D

Acq: 30 Mar 2018 14:03

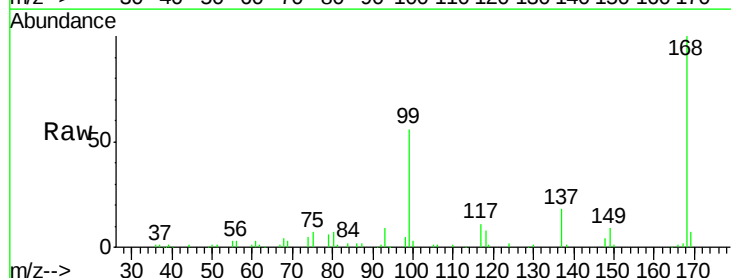
Tgt Ion: 56 Resp: 2502

Ion Ratio Lower Upper

56 100

69 112.5 23.4 35.0#

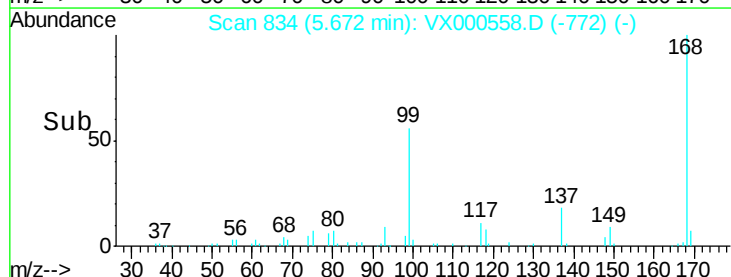
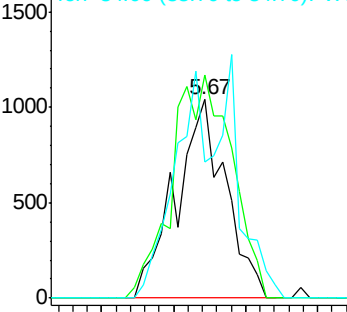
84 68.4 71.0 106.4#

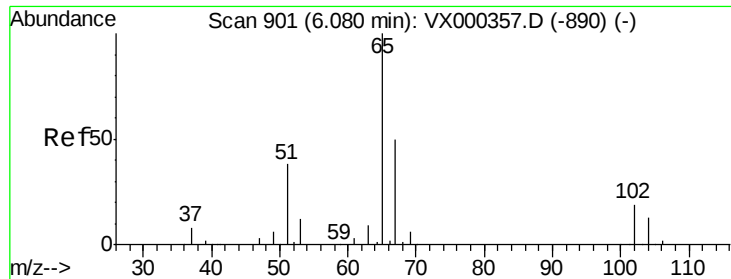


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.46 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000558.D

Acq: 30 Mar 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

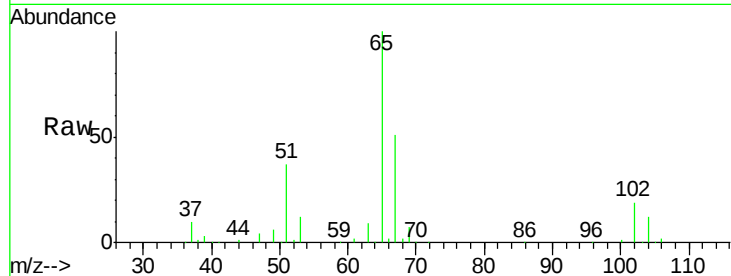
VX0330WBL01

Tgt Ion: 65 Resp: 69087

Ion Ratio Lower Upper

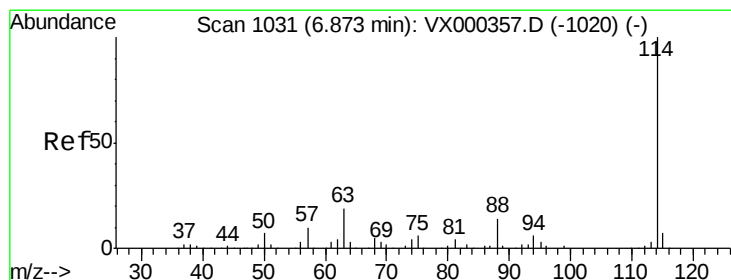
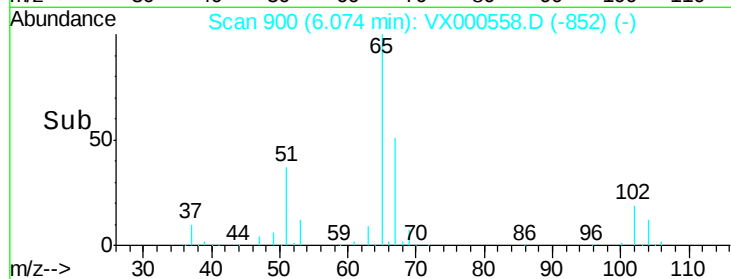
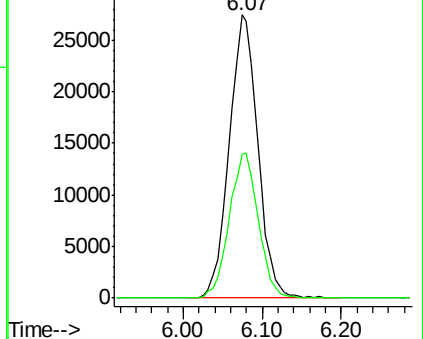
65 100

67 52.1 0.0 103.2



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: 6.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VX000558.D

Acq: 30 Mar 2018 14:03

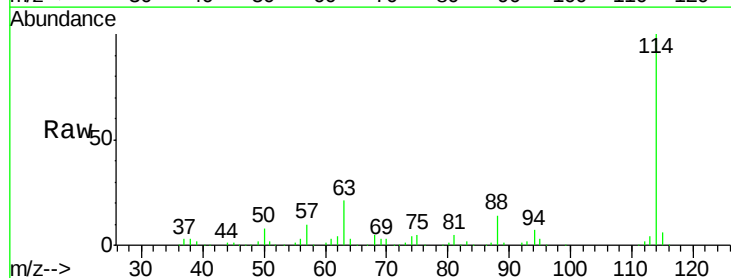
Tgt Ion: 114 Resp: 170607

Ion Ratio Lower Upper

114 100

63 21.1 0.0 38.4

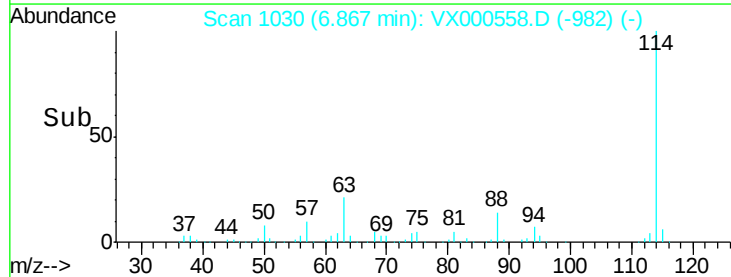
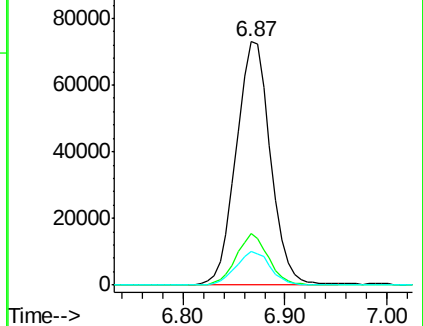
88 13.7 0.0 27.0

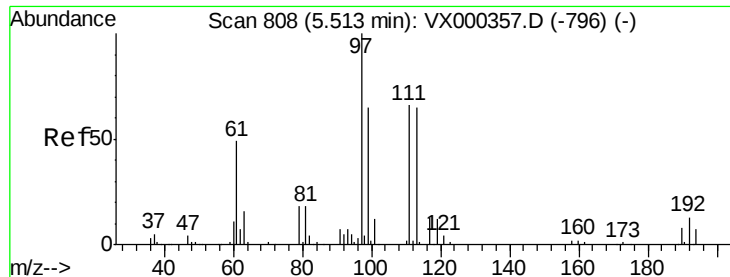


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.28 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000558.D

Acq: 30 Mar 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBL01

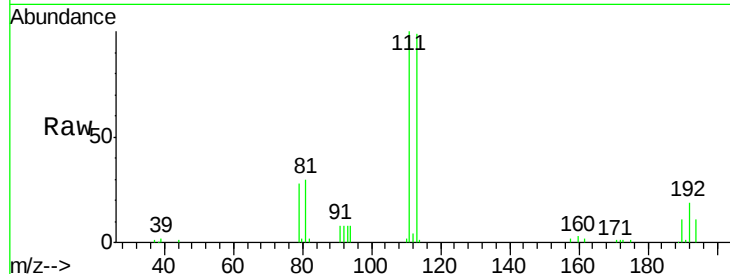
Tgt Ion:113 Resp: 54047

Ion Ratio Lower Upper

113 100

111 101.3 82.4 123.6

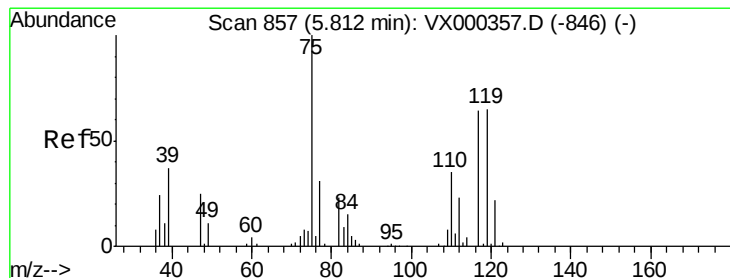
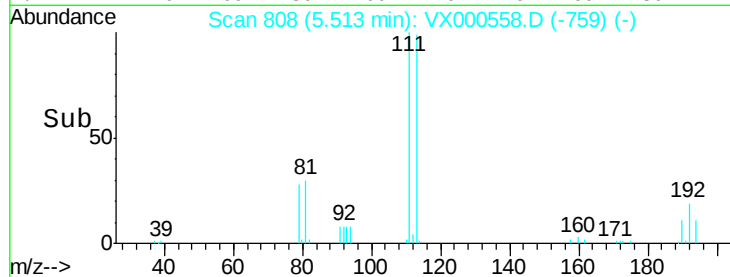
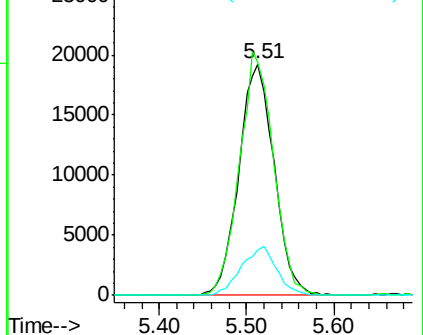
192 21.0 15.8 23.6



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: 4.98 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.15 min

Lab File: VX000558.D

Acq: 30 Mar 2018 14:03

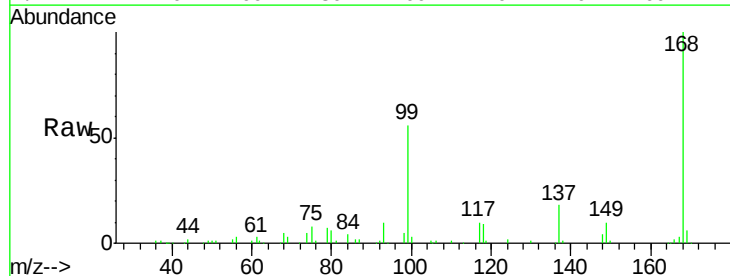
Tgt Ion: 75 Resp: 7953

Ion Ratio Lower Upper

75 100

110 9.7 17.9 53.7#

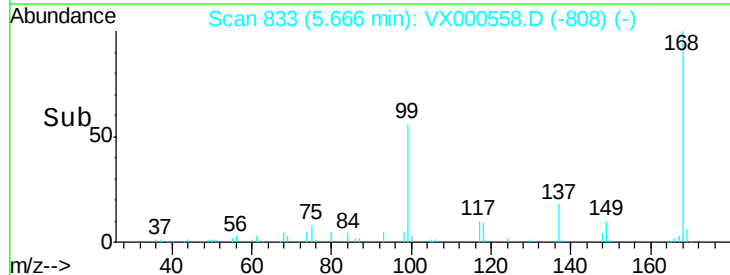
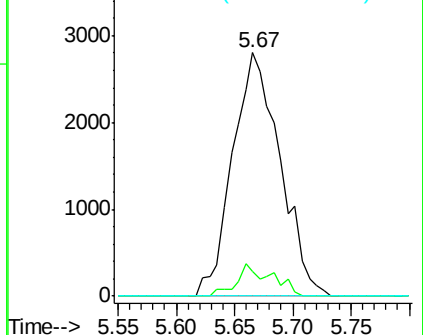
77 0.0 24.0 36.0#

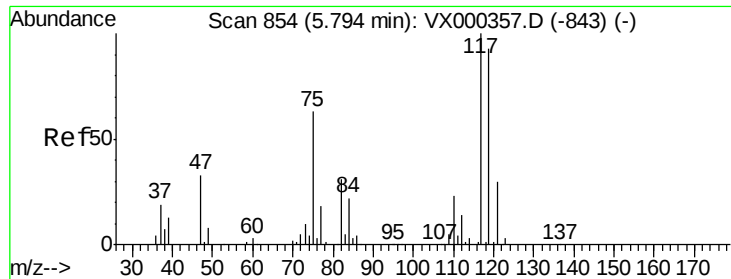


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

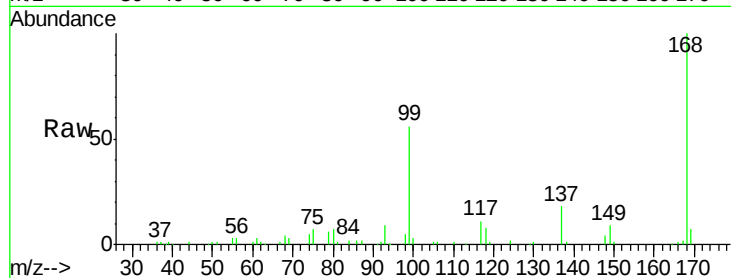




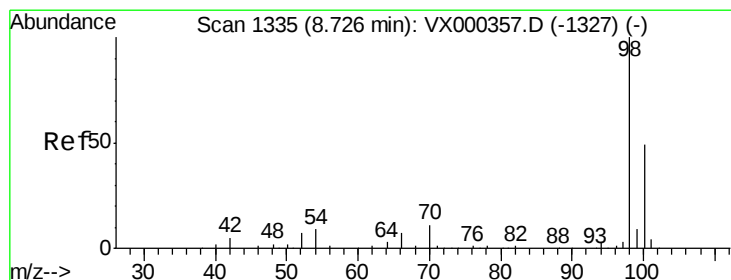
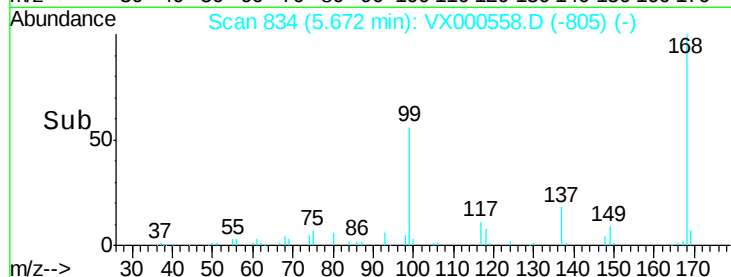
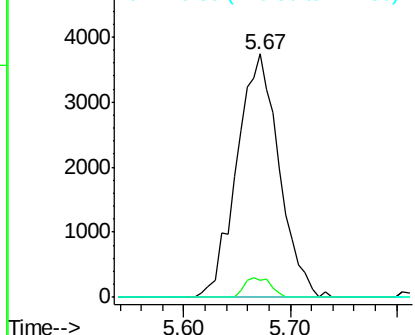
#38
Carbon Tetrachloride
Concen: 6.20 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX000558.D
Acq: 30 Mar 2018 14:03

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBL01

Tgt Ion:117 Resp: 10399
Ion Ratio Lower Upper
117 100
119 7.2 77.4 116.2#
121 0.0 24.8 37.2#

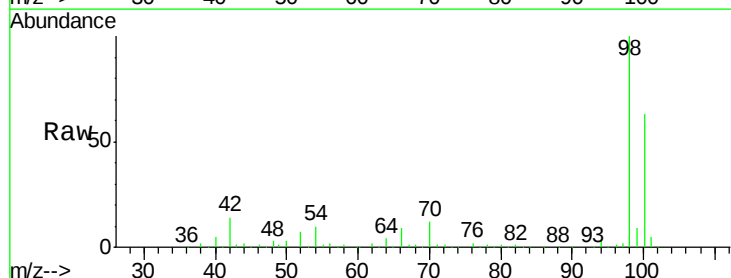


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

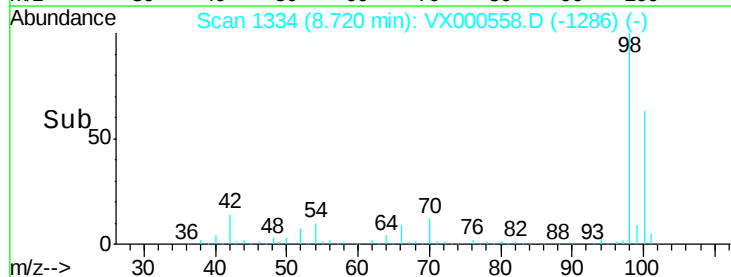
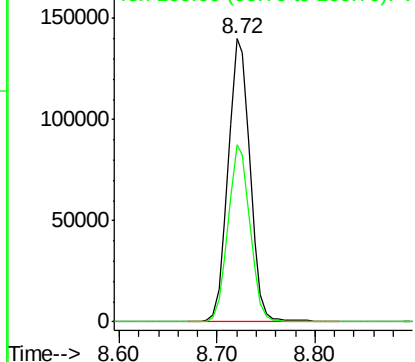


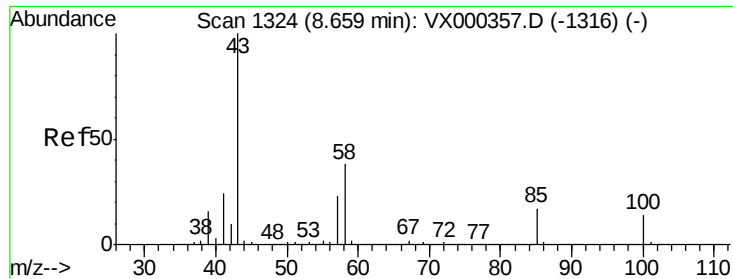
#50
Toluene-d8
Concen: 48.84 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000558.D
Acq: 30 Mar 2018 14:03

Tgt Ion: 98 Resp: 217423
Ion Ratio Lower Upper
98 100
100 62.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

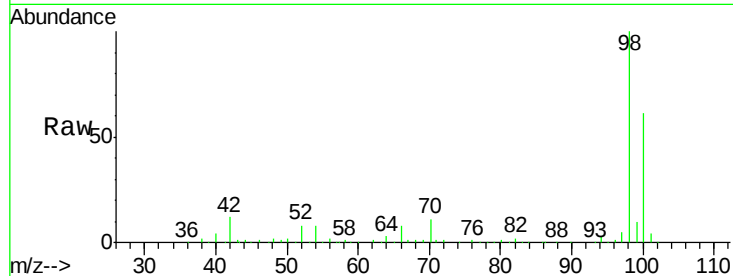




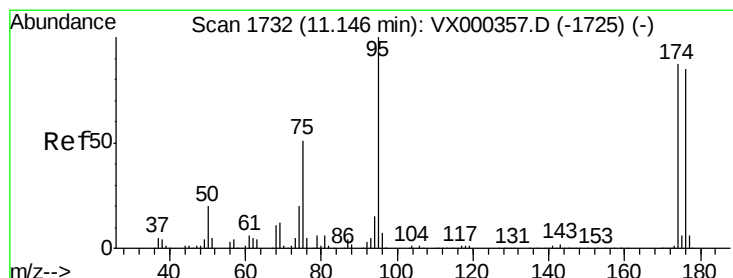
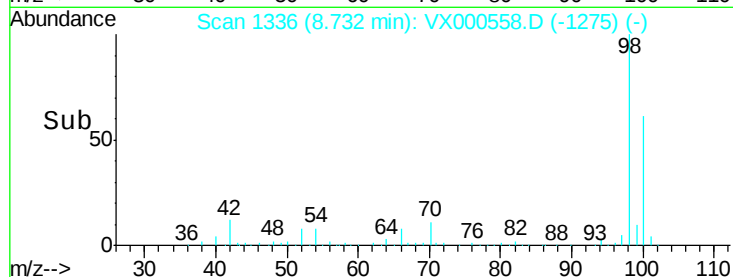
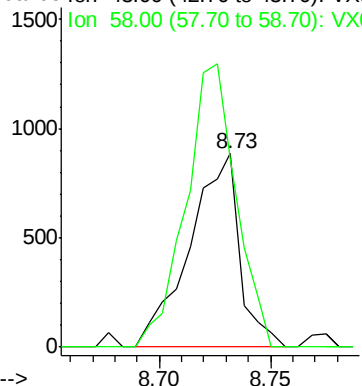
#51
 4-Methyl-2-Pentanone
 Concen: 0.55 ug/l
 RT: 8.73 min Scan# 1336
 Delta R.T. 0.07 min
 Lab File: VX000558.D
 Acq: 30 Mar 2018 14:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBL01

Tgt Ion: 43 Resp: 1388
 Ion Ratio Lower Upper
 43 100
 58 146.3 30.3 45.5#

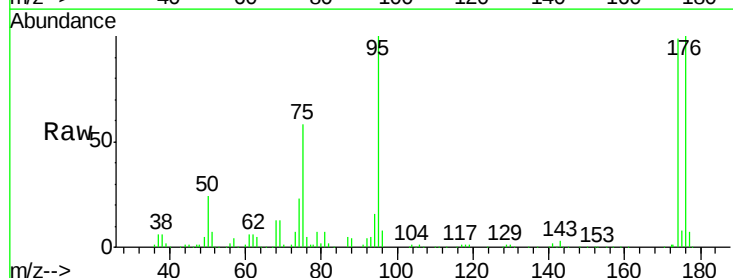


Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

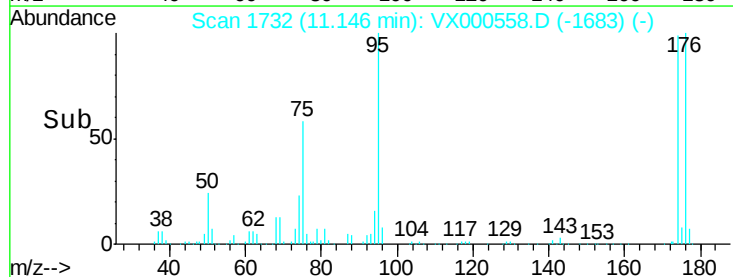
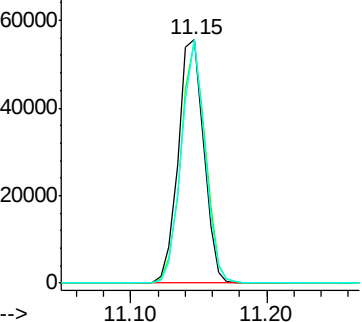


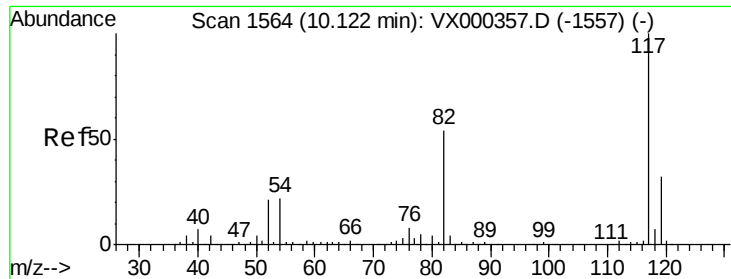
#62
 4-Bromofluorobenzene
 Concen: 40.03 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000558.D
 Acq: 30 Mar 2018 14:03

Tgt Ion: 95 Resp: 72658
 Ion Ratio Lower Upper
 95 100
 174 94.7 0.0 173.6
 176 91.9 0.0 164.6



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

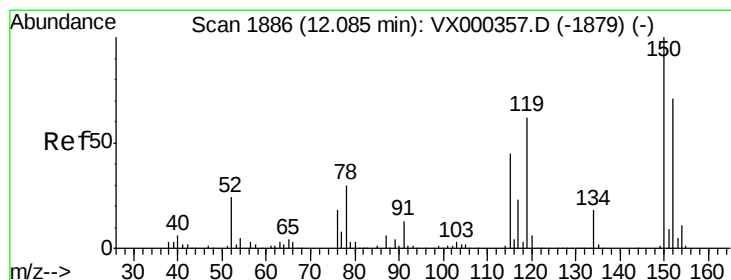
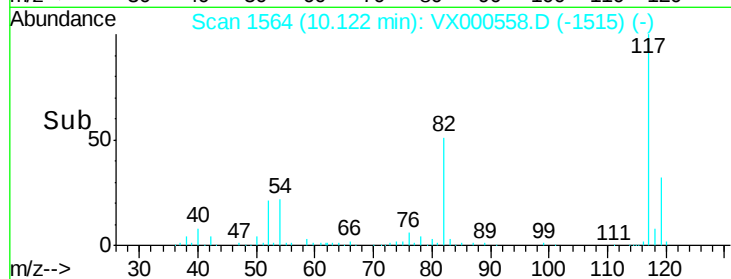
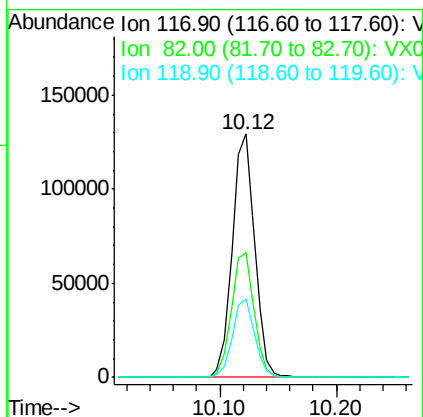
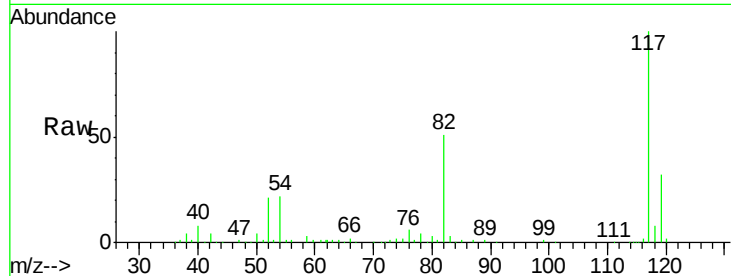




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000558.D
Acq: 30 Mar 2018 14:03

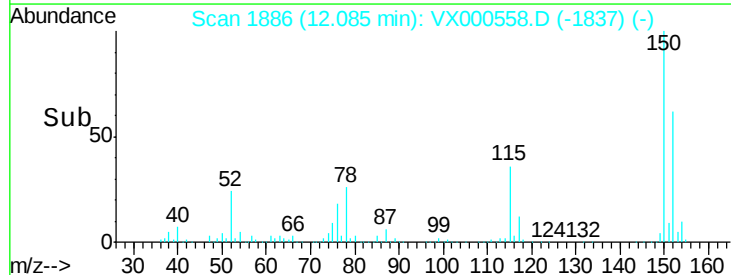
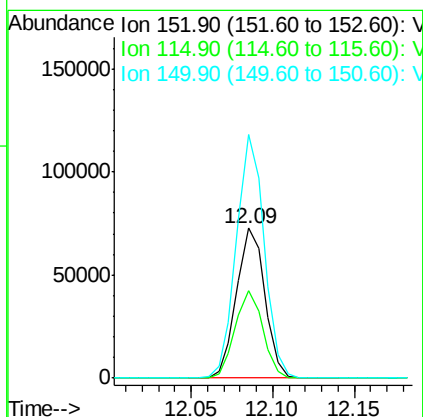
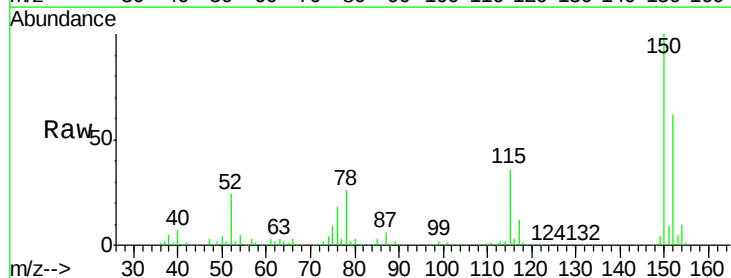
Instrument :
MSVOA_X
ClientSampleId :
VX0330WBL01

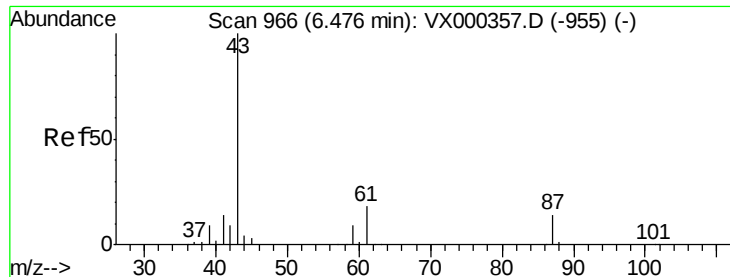
Tgt Ion:117 Resp: 174015
Ion Ratio Lower Upper
117 100
82 51.3 43.8 65.8
119 32.1 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000558.D
Acq: 30 Mar 2018 14:03

Tgt Ion:152 Resp: 88392
Ion Ratio Lower Upper
152 100
115 57.1 39.8 119.3
150 158.6 0.0 344.4





#74

N-amyI acetate

Concen: Below Cal

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000558.D

Acq: 30 Mar 2018 14:03

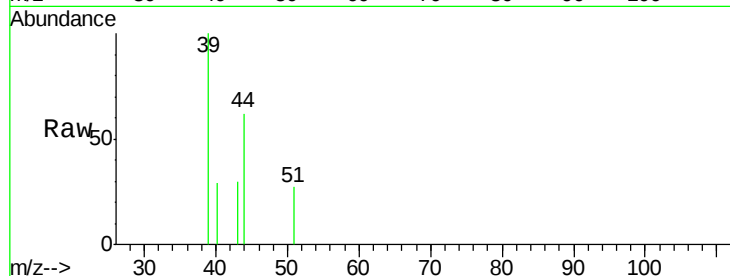
Instrument :

MSVOA_X

ClientSampleId :

VX0330WBL01

Tgt Ion:	43	Resp:	21
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	0.0	14.4	21.6#

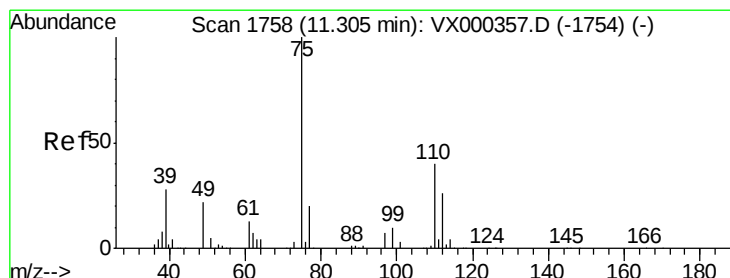
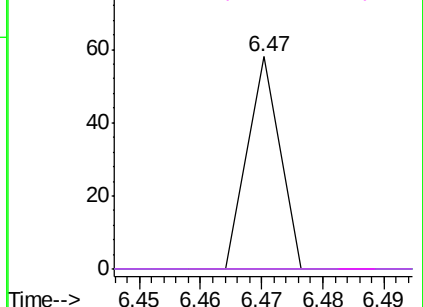
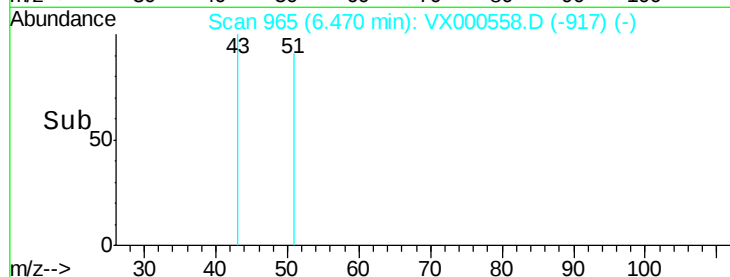


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 23.09 ug/l

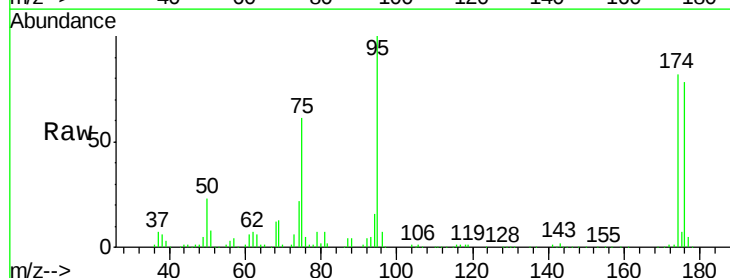
RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000558.D

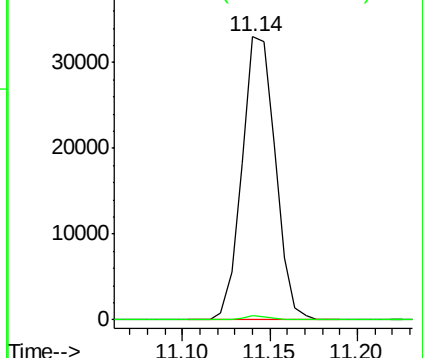
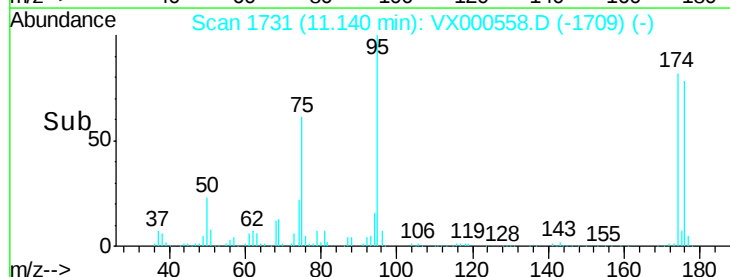
Acq: 30 Mar 2018 14:03

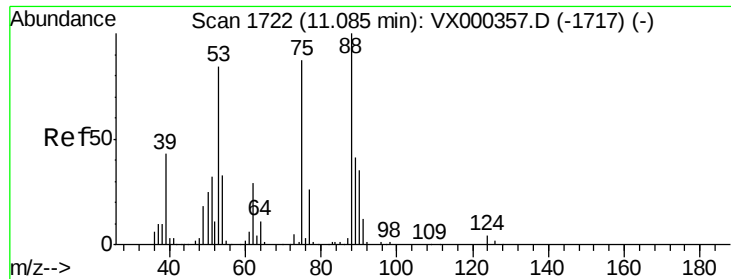
Tgt Ion:	75	Resp:	43861
Ion	Ratio	Lower	Upper
75	100		
77	1.2	21.4	64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 74.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.05 min

Lab File: VX000558.D

Acq: 30 Mar 2018 14:03

Instrument :

MSVOA_X

ClientSampleId :

VX0330WBL01

Tgt Ion: 75 Resp: 43861

Ion Ratio Lower Upper

75 100

53 0.1 80.7 121.1#

89 0.0 39.4 59.0#

