

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032818\
 Data File : VX000495.D
 Acq On : 28 Mar 2018 17:59
 Operator : JC/MD
 Sample : J2096-03 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CS-T2

Quant Time: Mar 29 04:11:51 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	5.68	168	100939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	181234	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	181931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	94828	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	73982	56.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.30%	
35) Dibromofluoromethane	5.52	113	58656	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	8.73	98	235028	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	11.15	95	79373	40.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.98%	

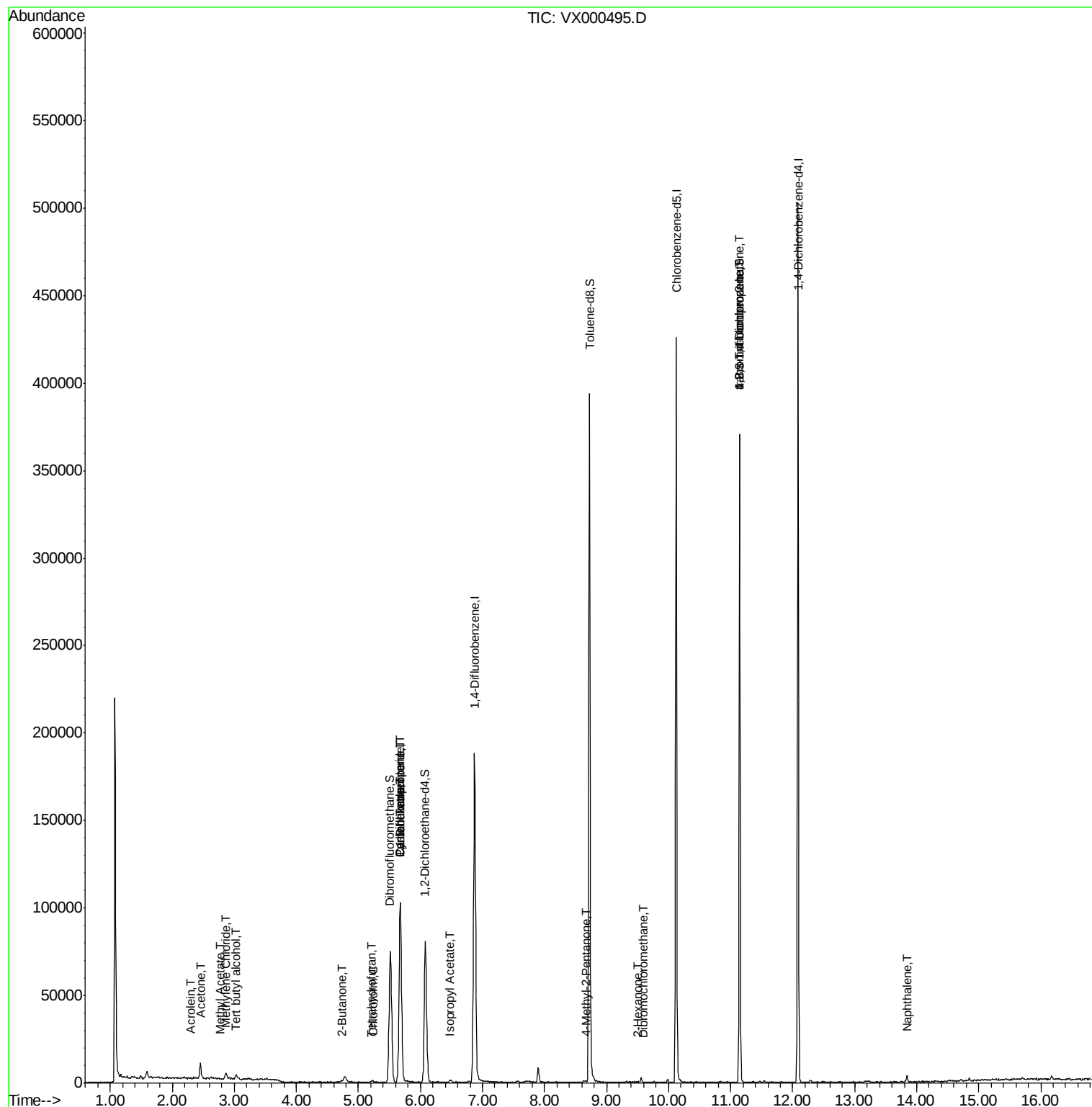
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	294	Below Cal	#	44
11) Tert butyl alcohol	3.03	59	1309	2.89	ug/l #	72
13) Acrolein	2.29	56	85	15.13	ug/l #	81
14) Allyl chloride	2.74	41	124	Below Cal	#	1
16) Acetone	2.45	43	10047	9.17	ug/l	99
18) Methyl Acetate	2.78	43	539	0.23	ug/l #	61
20) Methylene Chloride	2.87	84	1503	1.19	ug/l #	69
25) 2-Butanone	4.73	43	1778	1.44	ug/l #	73
29) Tetrahydrofuran	5.20	42	269	0.35	ug/l #	31
30) Chloroform	5.23	83	800	0.40	ug/l #	76
31) Cyclohexane	5.68	56	2505	1.51	ug/l #	50
36) 1,1-Dichloropropene	5.68	75	8089	4.76	ug/l #	49
38) Carbon Tetrachloride	5.67	117	10063	5.65	ug/l #	15
43) Isopropyl Acetate	6.48	43	1762	0.51	ug/l #	73
51) 4-Methyl-2-Pentanone	8.66	43	587	0.22	ug/l	88
59) 2-Hexanone	9.51	43	558	0.25	ug/l #	47
60) Dibromochloromethane	9.60	129	23	4.13	ug/l #	12
74) N-amyl acetate	6.48	43	1762	Below Cal	#	75
76) 1,2,3-Trichloropropane	11.15	75	47181	23.15	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	47181	74.95	ug/l #	9
95) Naphthalene	13.84	128	2370	0.31	ug/l #	95

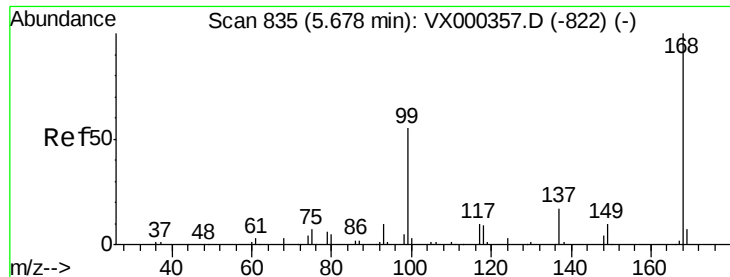
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
CS-T2

Quant Time: Mar 29 04:11:51 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000495.D

Acq: 28 Mar 2018 17:59

Instrument :

MSVOA_X

ClientSampled :

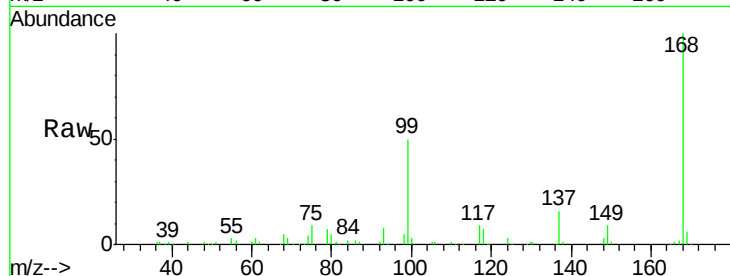
CS-T2

Tgt Ion: 168 Resp: 100939

Ion Ratio Lower Upper

168 100

99 49.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

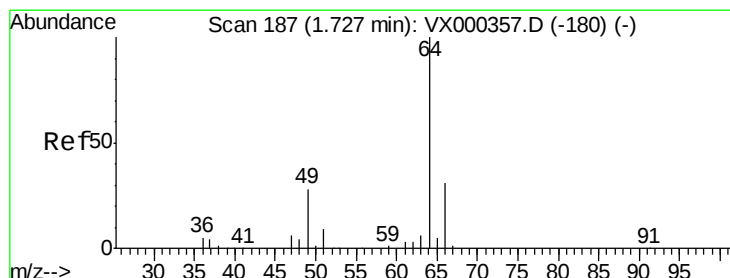
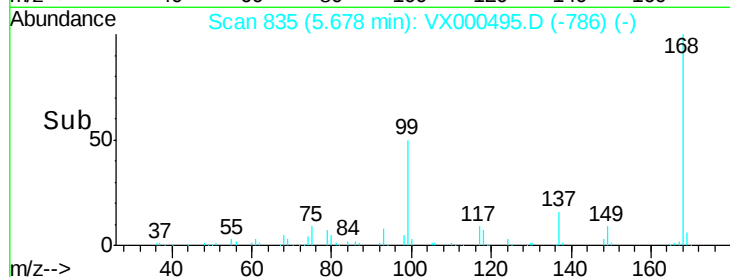
20000

10000

0

Time-->

5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000495.D

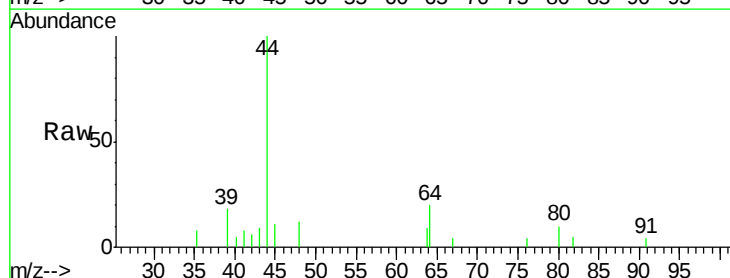
Acq: 28 Mar 2018 17:59

Tgt Ion: 64 Resp: 294

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

1.72

500

400

300

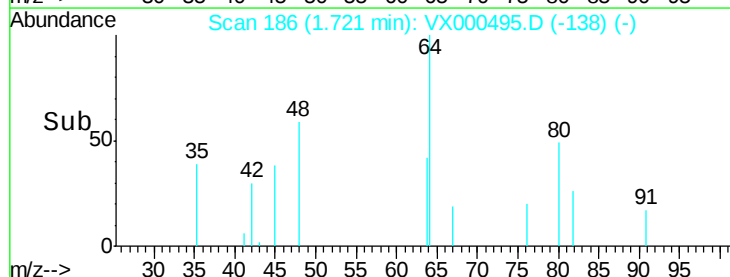
200

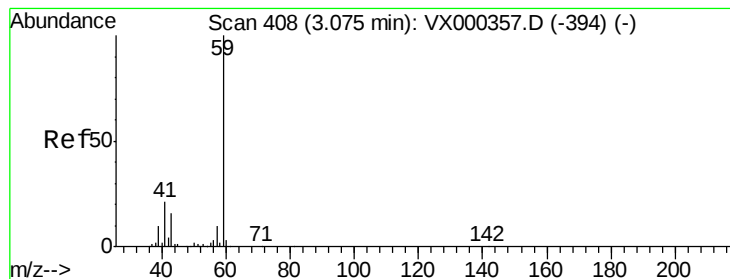
100

0

Time-->

1.70 1.72 1.74





#11

Tert butyl alcohol

Concen: 2.89 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.05 min

Lab File: VX000495.D

Acq: 28 Mar 2018 17:59

Instrument :

MSVOA_X

ClientSampled :

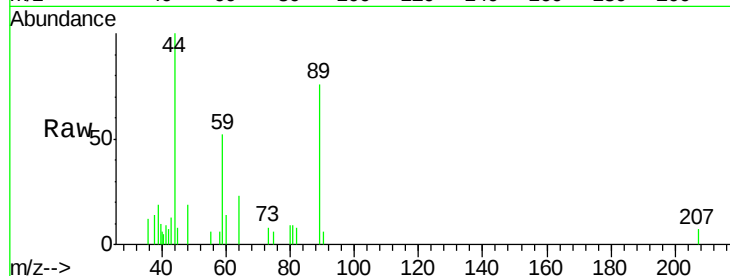
CS-T2

Tgt Ion: 59 Resp: 1309

Ion Ratio Lower Upper

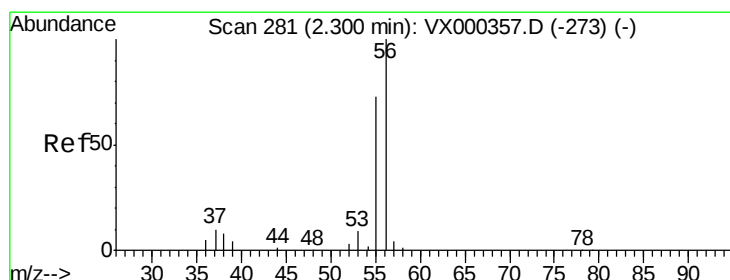
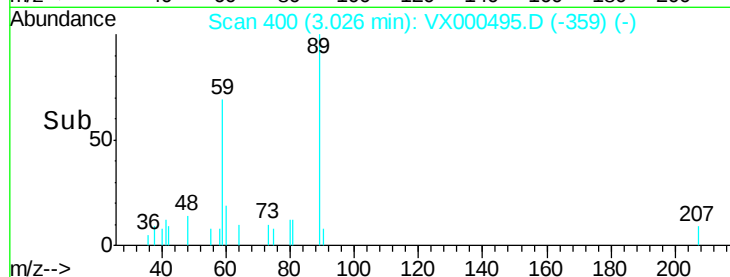
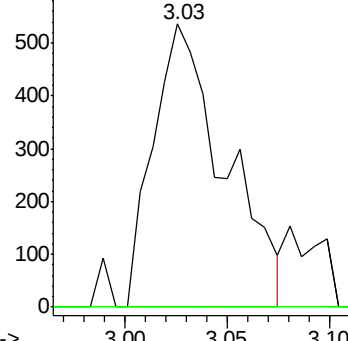
59 100

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: 15.13 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000495.D

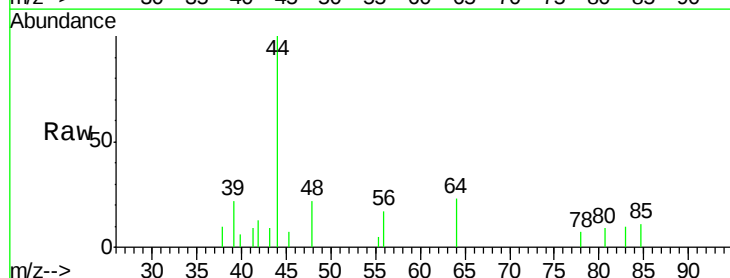
Acq: 28 Mar 2018 17:59

Tgt Ion: 56 Resp: 85

Ion Ratio Lower Upper

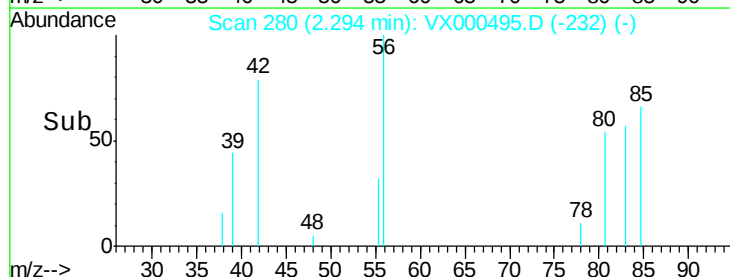
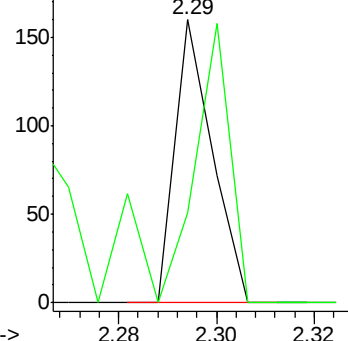
56 100

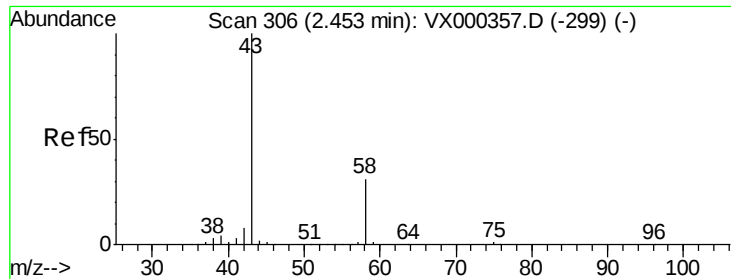
55 89.4 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 9.17 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000495.D

Acq: 28 Mar 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

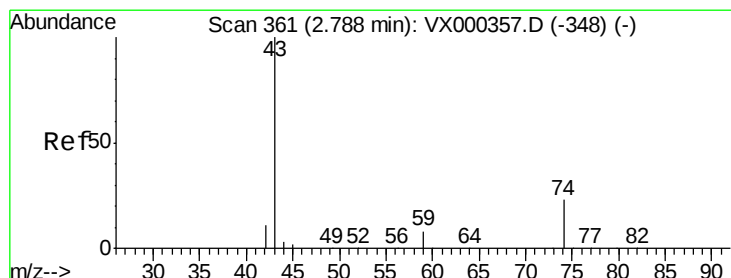
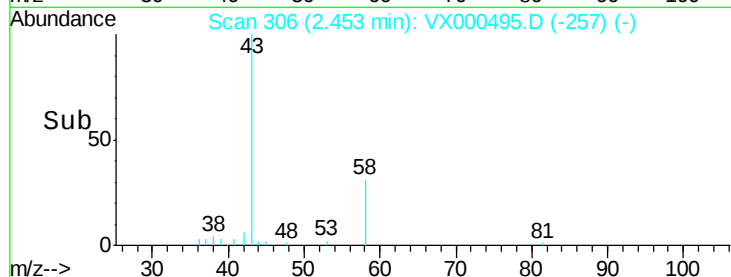
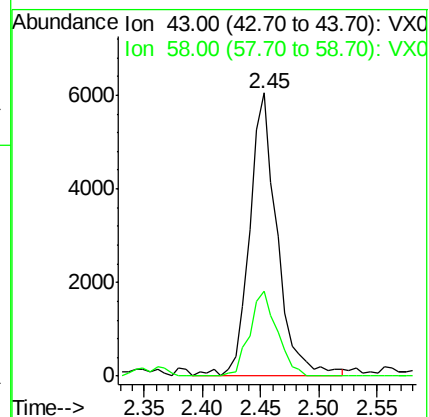
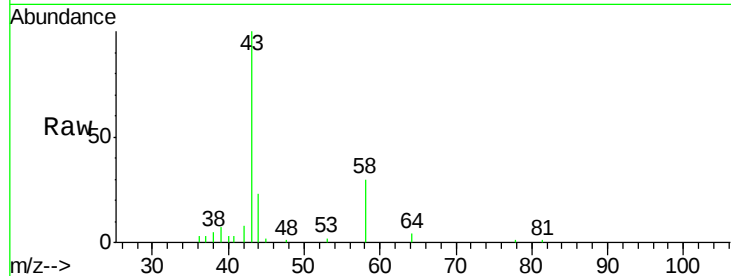
CS-T2

Tgt Ion: 43 Resp: 10047

Ion Ratio Lower Upper

43 100

58 30.2 24.7 37.1



#18

Methyl Acetate

Concen: 0.23 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX000495.D

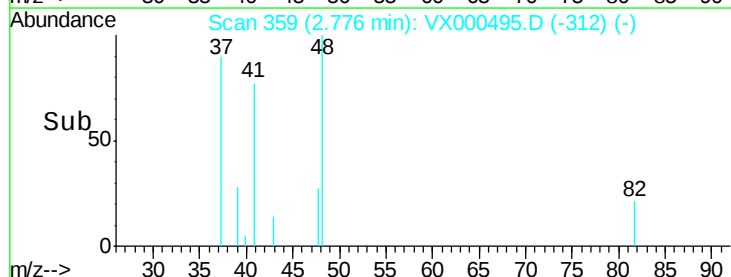
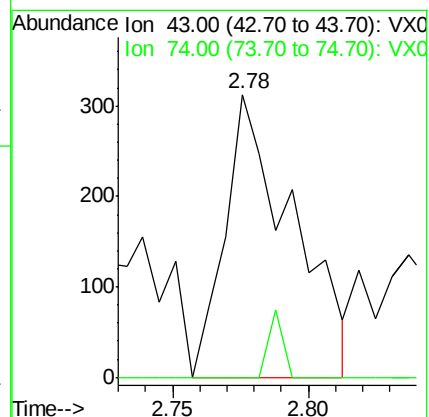
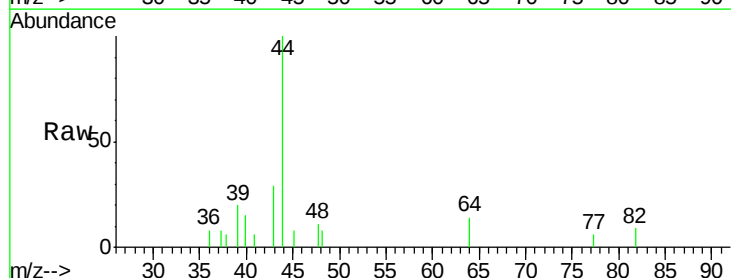
Acq: 28 Mar 2018 17:59

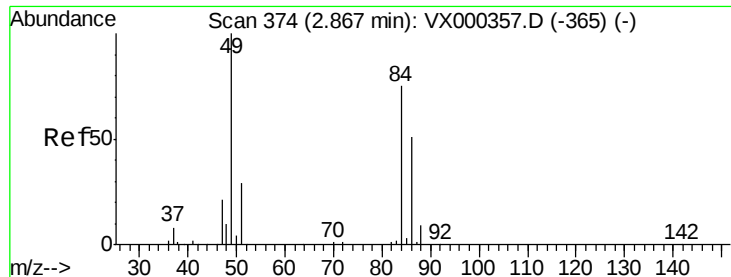
Tgt Ion: 43 Resp: 539

Ion Ratio Lower Upper

43 100

74 5.0 19.4 29.2#

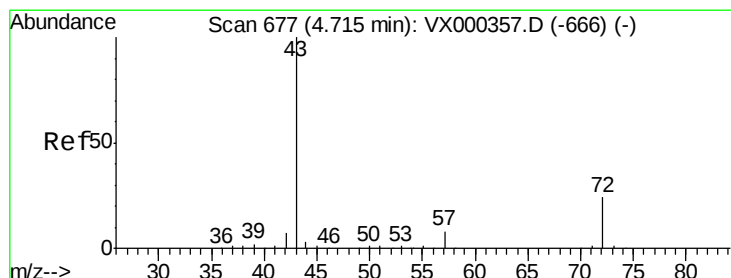
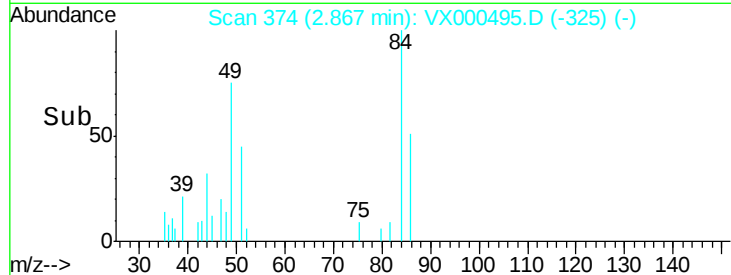
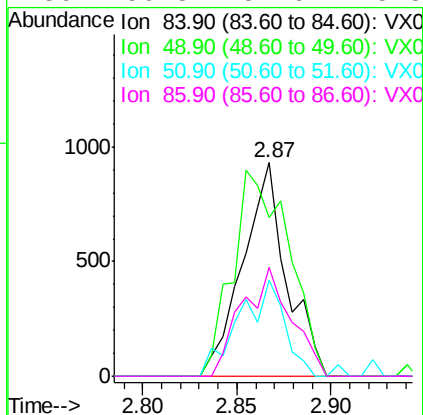
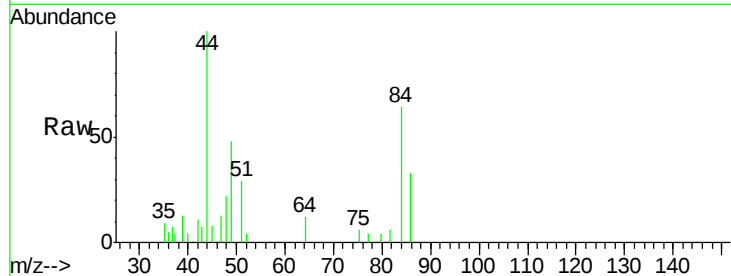




#20
Methylene Chloride
Concen: 1.19 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000495.D
Acq: 28 Mar 2018 17:59

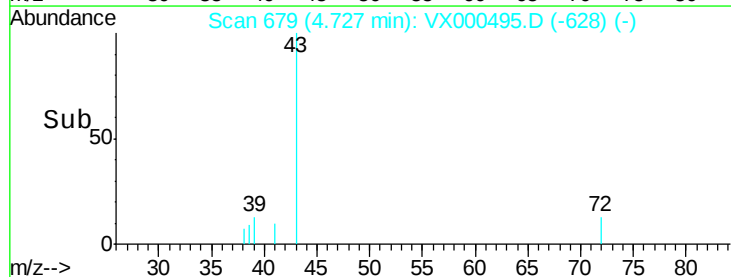
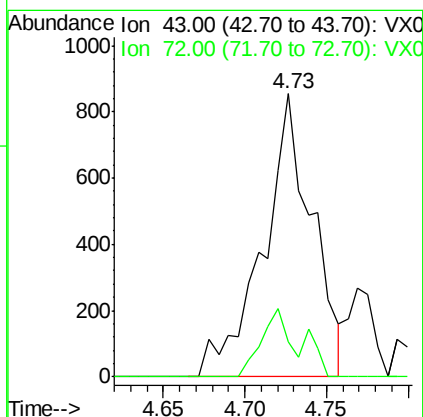
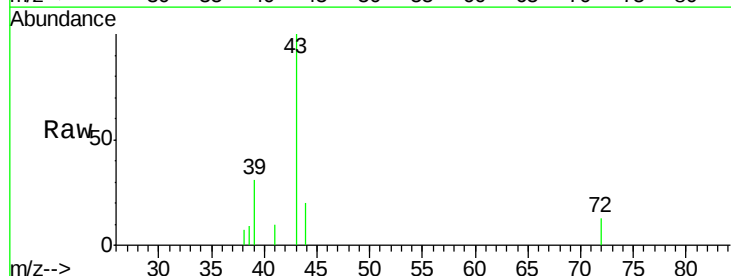
Instrument :
MSVOA_X
ClientSampled :
CS-T2

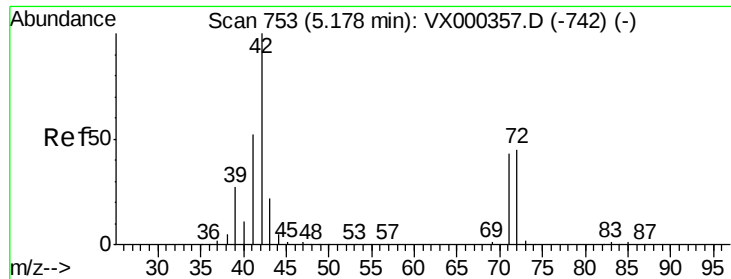
Tgt Ion: 84 Resp: 1503
Ion Ratio Lower Upper
84 100
49 74.5 100.6 151.0#
51 44.8 31.6 47.4
86 50.8 52.6 78.8#



#25
2-Butanone
Concen: 1.44 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX000495.D
Acq: 28 Mar 2018 17:59

Tgt Ion: 43 Resp: 1778
Ion Ratio Lower Upper
43 100
72 12.5 21.0 31.6#





#29

Tetrahydrofuran

Concen: 0.35 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000495.D

Acq: 28 Mar 2018 17:59

Instrument :

MSVOA_X

ClientSampled :

CS-T2

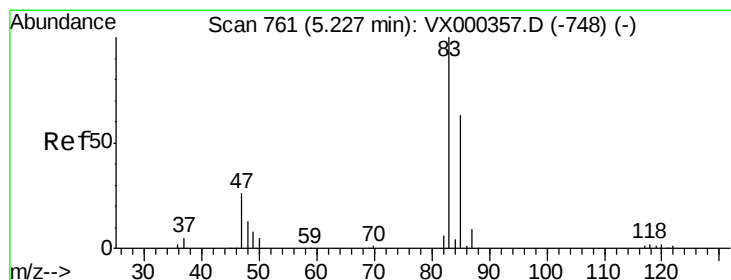
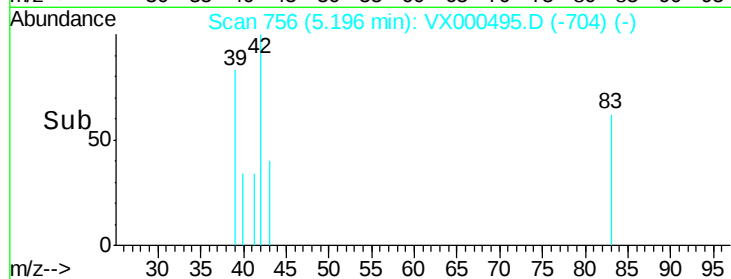
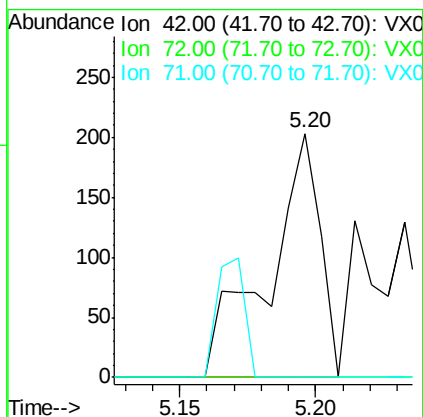
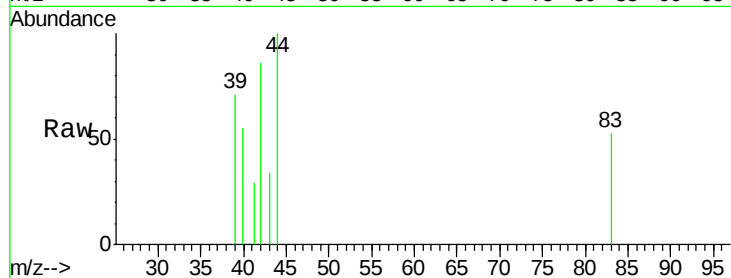
Tgt Ion: 42 Resp: 269

Ion Ratio Lower Upper

42 100

72 0.0 37.9 56.9#

71 0.0 34.4 51.6#



#30

Chloroform

Concen: 0.40 ug/l

RT: 5.23 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX000495.D

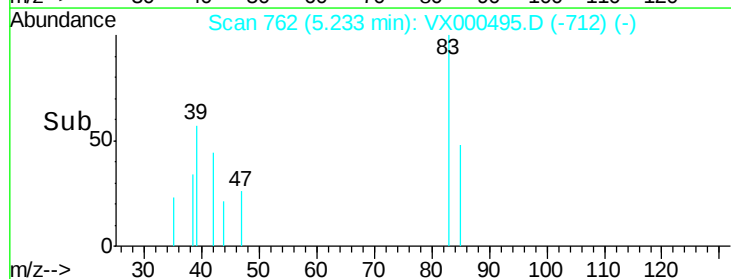
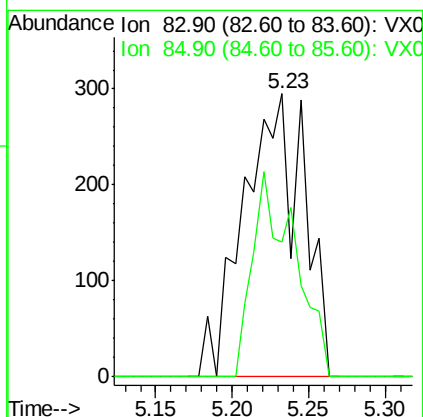
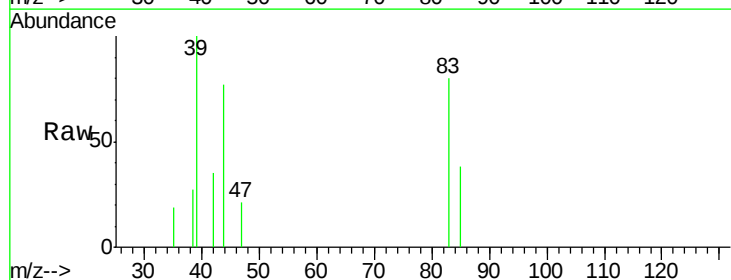
Acq: 28 Mar 2018 17:59

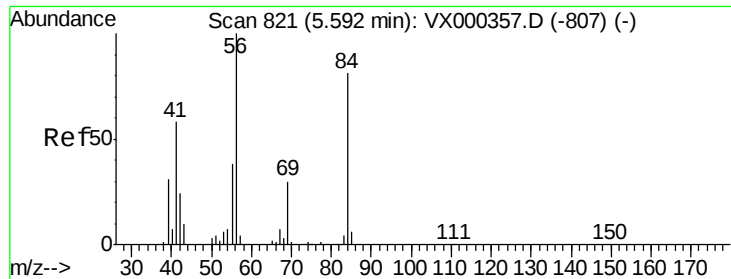
Tgt Ion: 83 Resp: 800

Ion Ratio Lower Upper

83 100

85 47.8 53.3 79.9#

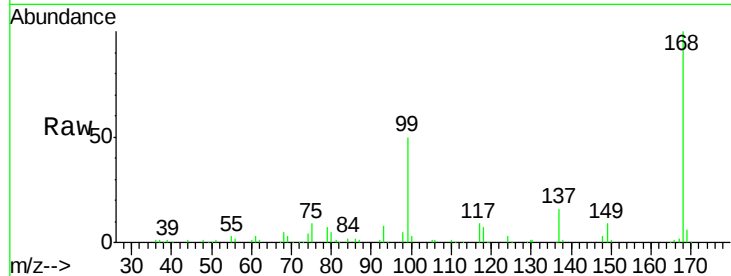




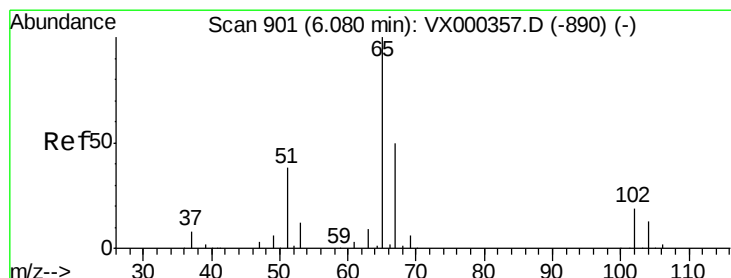
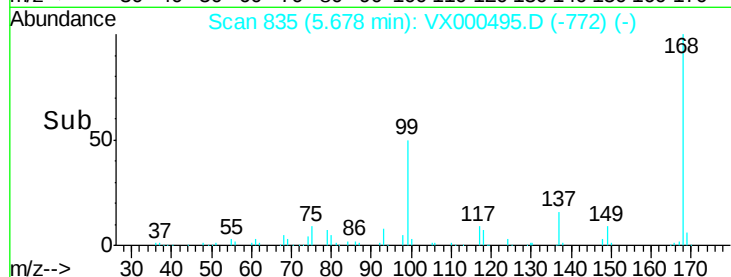
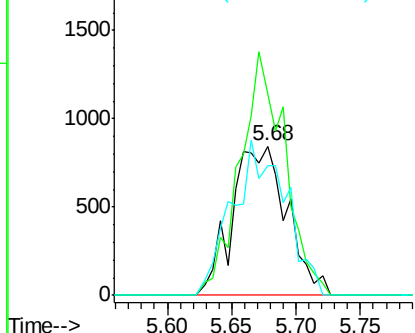
#31
Cyclohexane
Concen: 1.51 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX000495.D
Acq: 28 Mar 2018 17:59

Instrument :
MSVOA_X
ClientSampled :
CS-T2

Tgt Ion: 56 Resp: 2505
Ion Ratio Lower Upper
56 100
69 134.8 23.4 35.0#
84 87.3 71.0 106.4

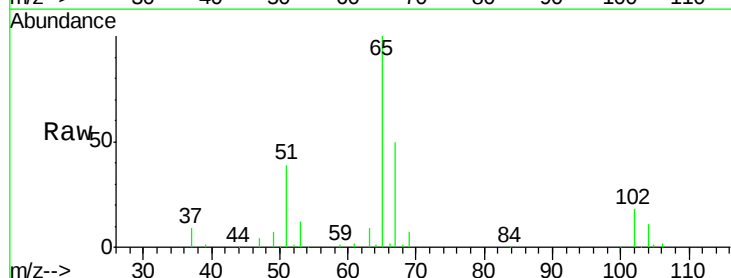


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

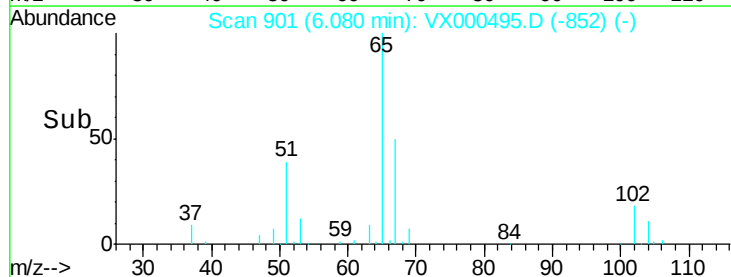
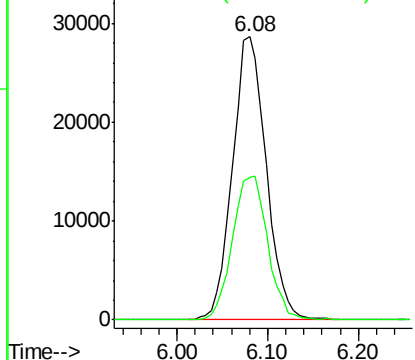


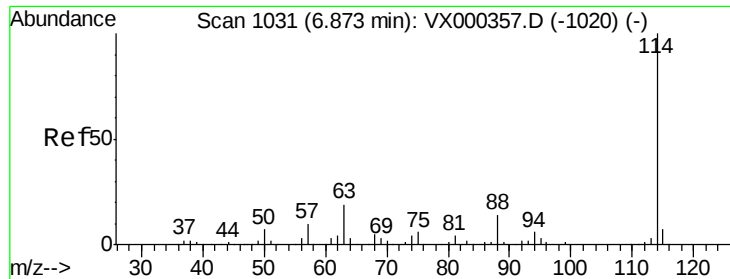
#33
1,2-Dichloroethane-d4
Concen: 56.15 ug/l
RT: 6.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VX000495.D
Acq: 28 Mar 2018 17:59

Tgt Ion: 65 Resp: 73982
Ion Ratio Lower Upper
65 100
67 53.0 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# 1031

Delta R.T. -0.00 min

Lab File: VX000495.D

Acq: 28 Mar 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

CS-T2

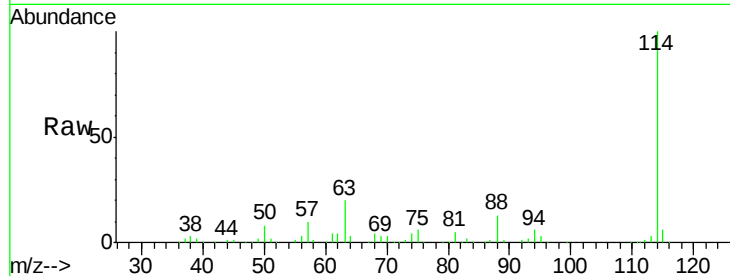
Tgt Ion:114 Resp: 181234

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.4

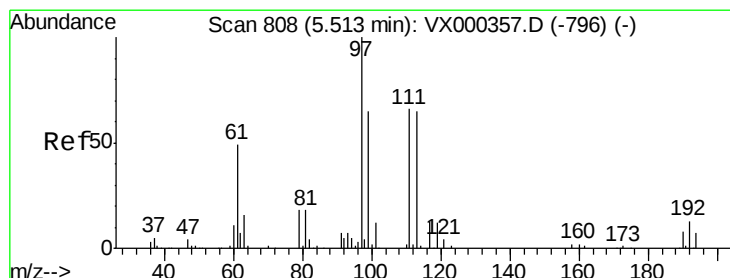
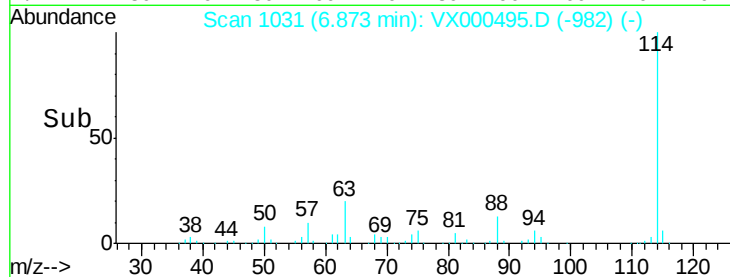
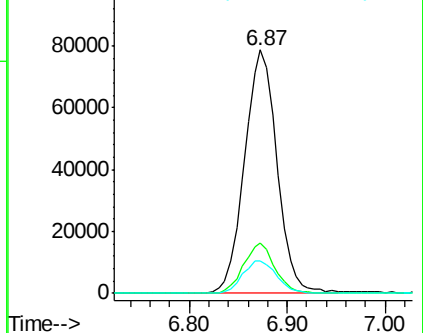
88 13.3 0.0 27.0



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: 51.37 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000495.D

Acq: 28 Mar 2018 17:59

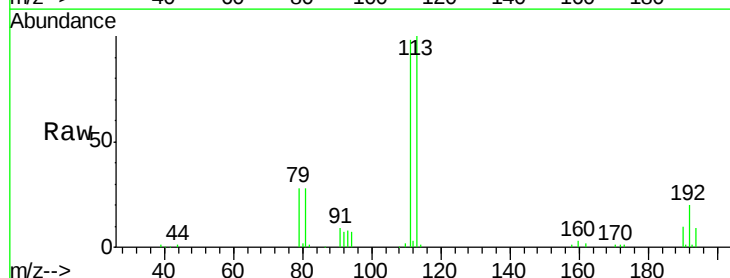
Tgt Ion:113 Resp: 58656

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

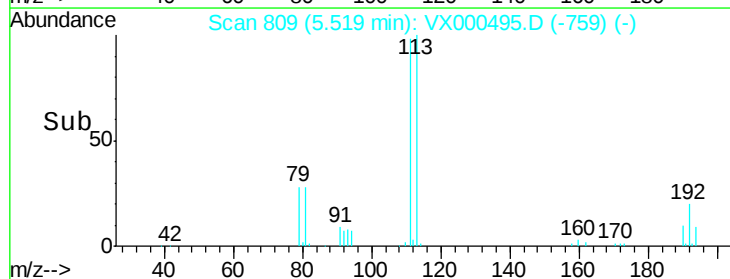
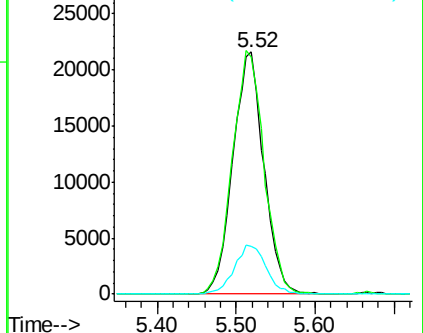
192 20.7 15.8 23.6

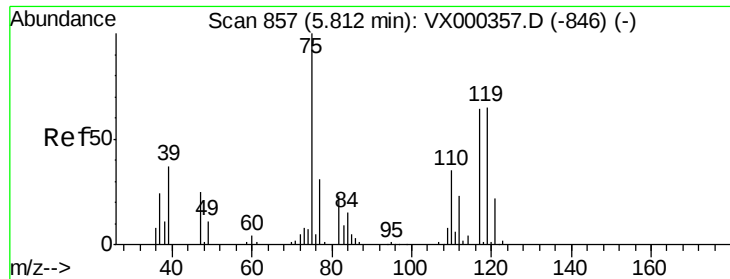


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

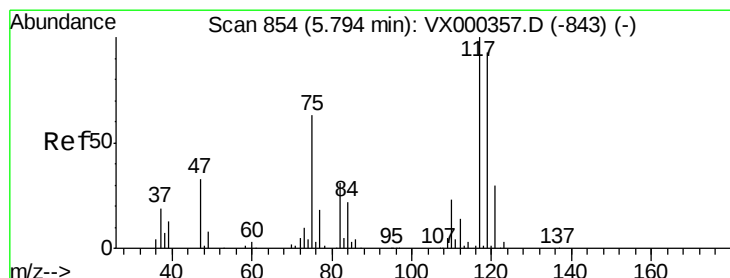
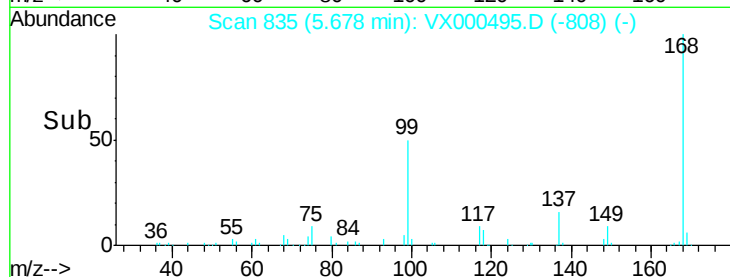
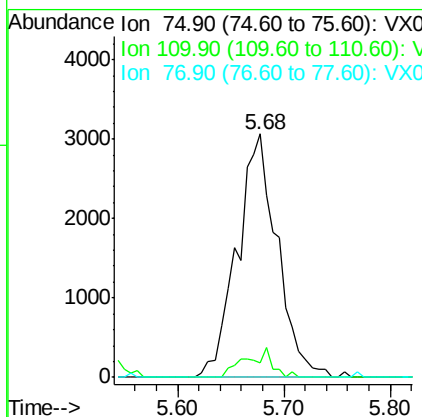
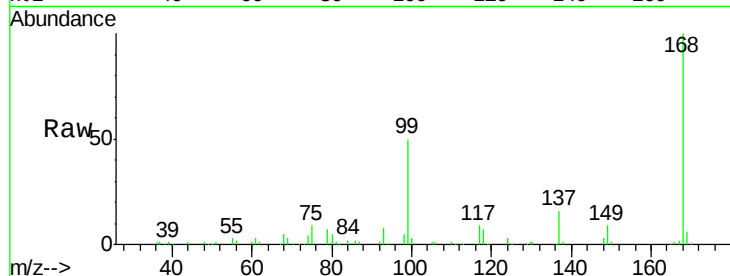




#36
 1,1-Dichloropropene
 Concen: 4.76 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000495.D
 Acq: 28 Mar 2018 17:59

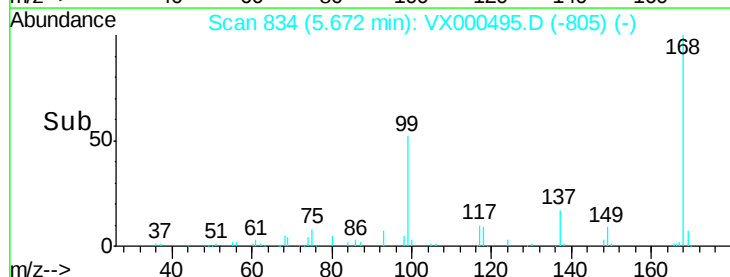
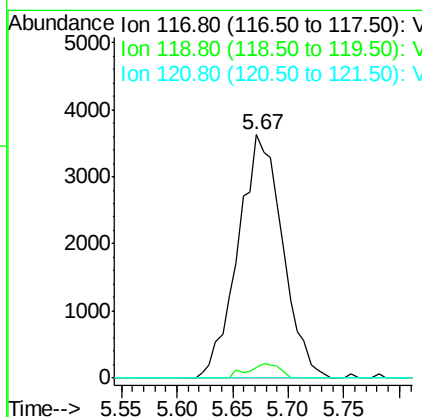
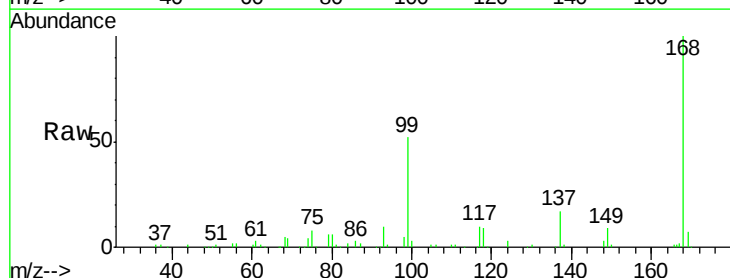
Instrument :
 MSVOA_X
 ClientSampled :
 CS-T2

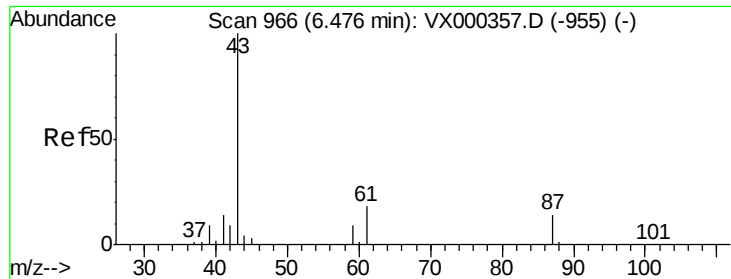
Tgt Ion: 75 Resp: 8089
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.9 53.7#
 77 0.0 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 5.65 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000495.D
 Acq: 28 Mar 2018 17:59

Tgt Ion: 117 Resp: 10063
 Ion Ratio Lower Upper
 117 100
 119 4.5 77.4 116.2#
 121 0.0 24.8 37.2#

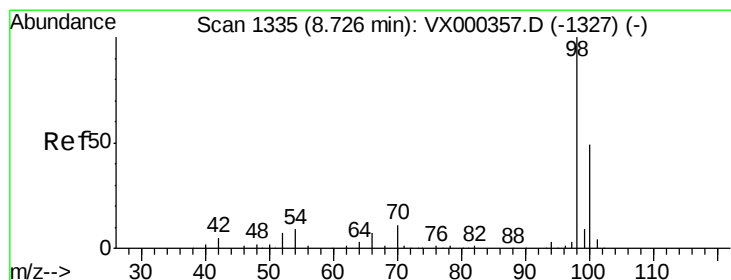
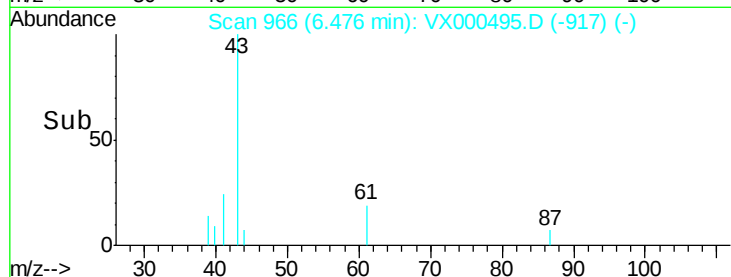
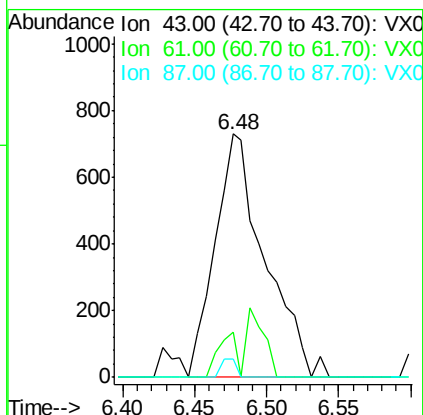
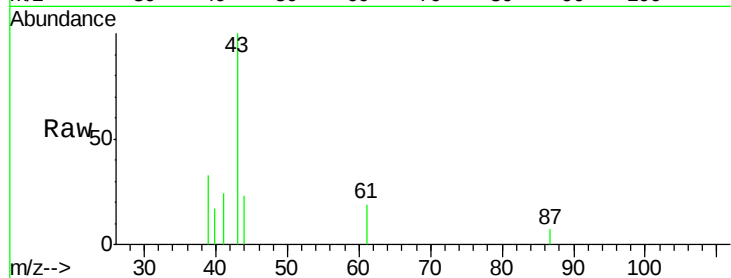




#43
Isopropyl Acetate
Concen: 0.51 ug/l
RT: 6.48 min Scan# 966
Delta R.T. -0.00 min
Lab File: VX000495.D
Acq: 28 Mar 2018 17:59

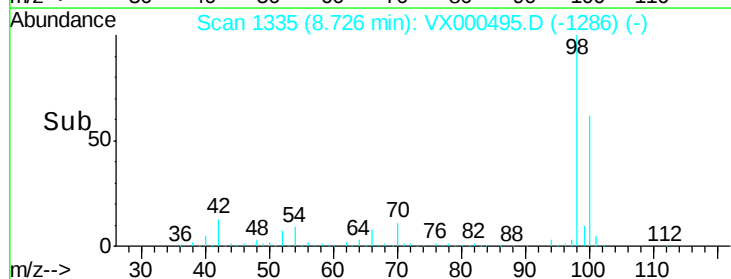
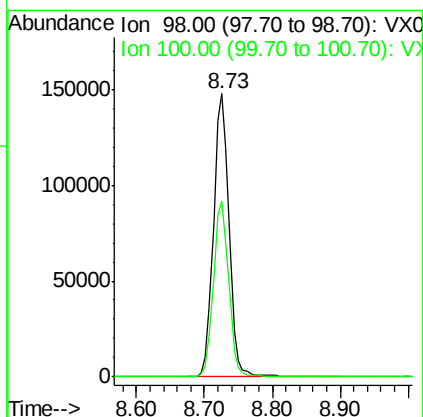
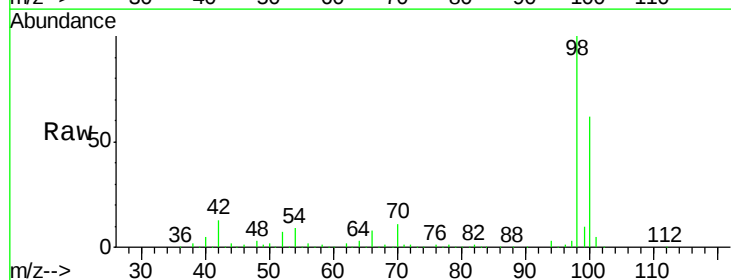
Instrument :
MSVOA_X
ClientSampled :
CS-T2

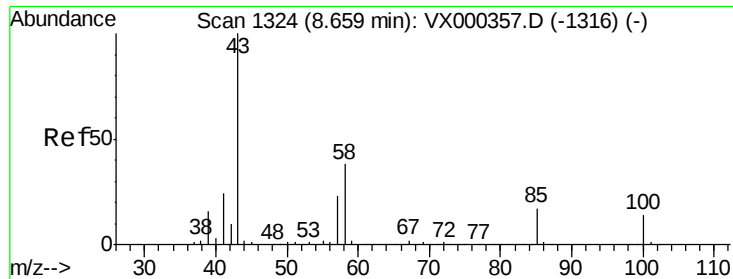
Tgt Ion: 43 Resp: 1762
Ion Ratio Lower Upper
43 100
61 6.8 14.4 21.6#
87 2.2 11.0 16.4#



#50
Toluene-d8
Concen: 49.69 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000495.D
Acq: 28 Mar 2018 17:59

Tgt Ion: 98 Resp: 235028
Ion Ratio Lower Upper
98 100
100 61.2 51.2 76.8

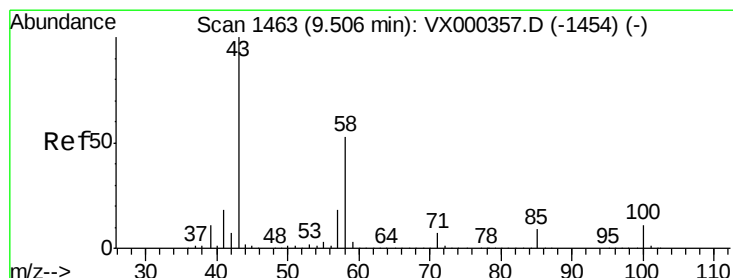
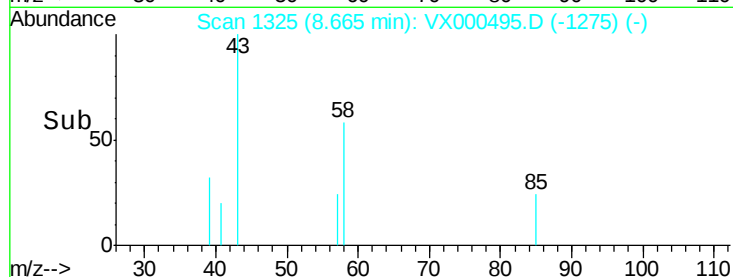
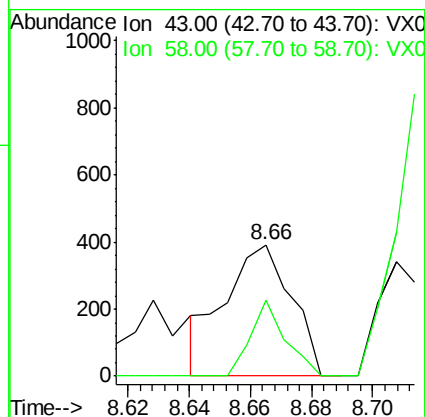
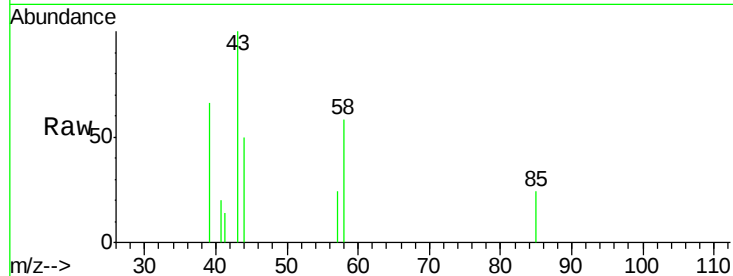




#51
 4-Methyl-2-Pentanone
 Concen: 0.22 ug/l
 RT: 8.66 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VX000495.D
 Acq: 28 Mar 2018 17:59

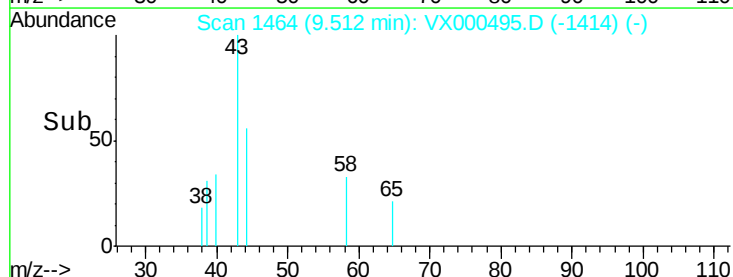
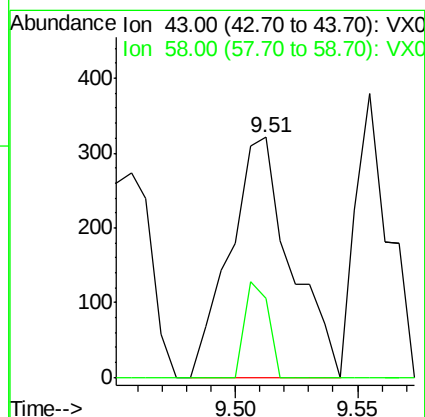
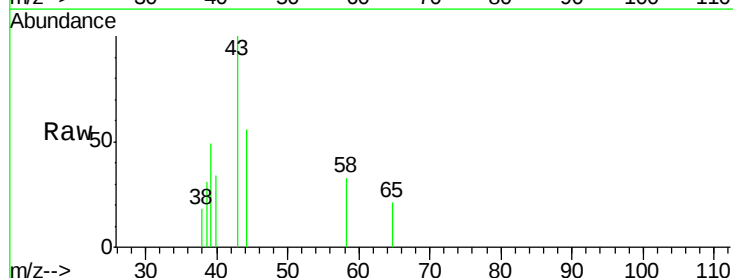
Instrument :
 MSVOA_X
 ClientSampled :
 CS-T2

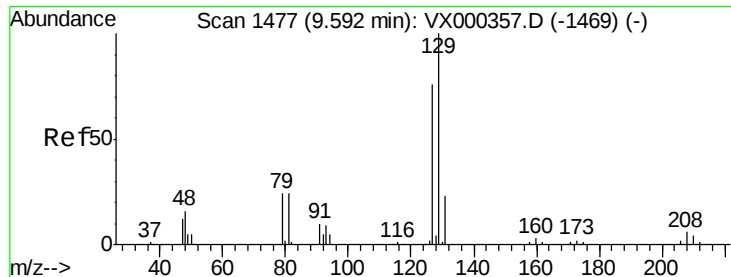
Tgt Ion: 43 Resp: 587
 Ion Ratio Lower Upper
 43 100
 58 30.7 30.3 45.5



#59
 2-Hexanone
 Concen: 0.25 ug/l
 RT: 9.51 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VX000495.D
 Acq: 28 Mar 2018 17:59

Tgt Ion: 43 Resp: 558
 Ion Ratio Lower Upper
 43 100
 58 15.4 26.6 79.7#





#60

Dibromochloromethane

Concen: 4.13 ug/l

RT: 9.60 min Scan# 1479

Delta R.T. 0.01 min

Lab File: VX000495.D

Acq: 28 Mar 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

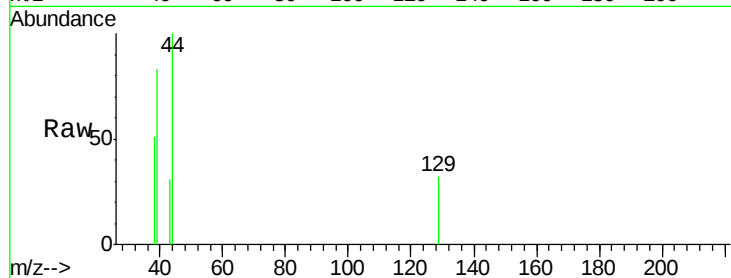
CS-T2

Tgt Ion:129 Resp: 23

Ion Ratio Lower Upper

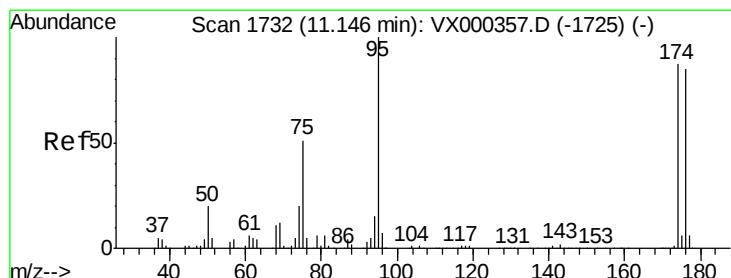
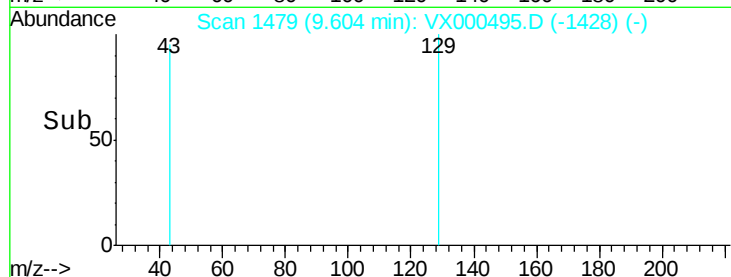
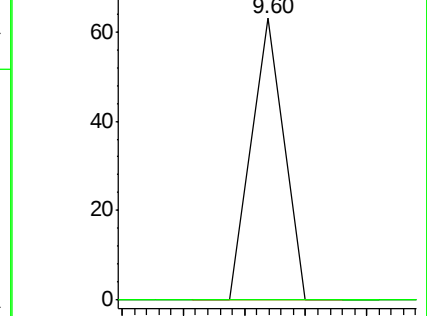
129 100

127 0.0 37.9 113.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 40.99 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000495.D

Acq: 28 Mar 2018 17:59

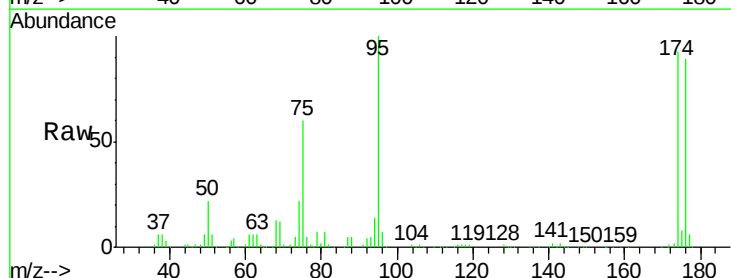
Tgt Ion: 95 Resp: 79373

Ion Ratio Lower Upper

95 100

174 92.1 0.0 173.6

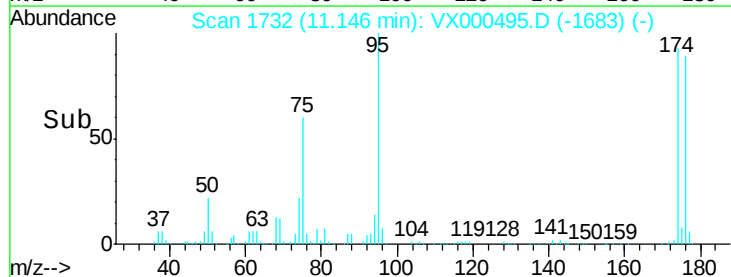
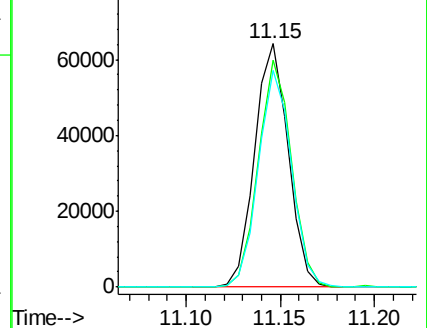
176 88.2 0.0 164.6

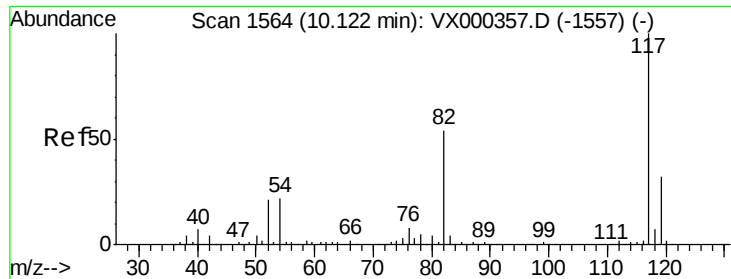


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

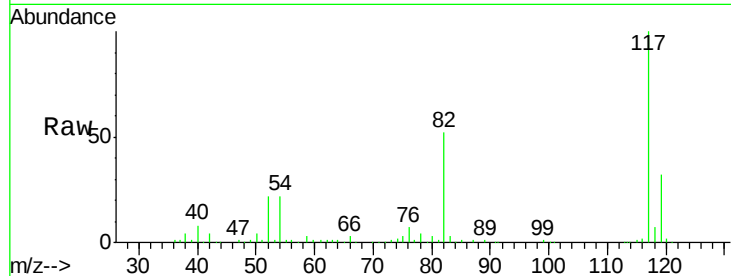




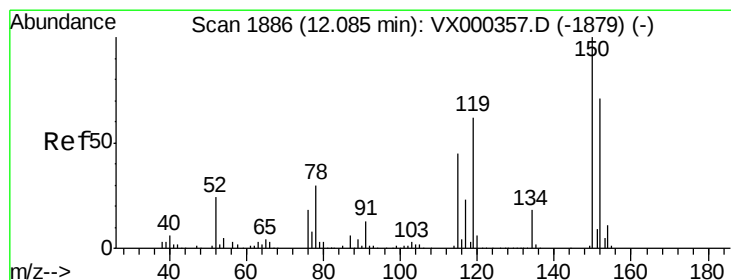
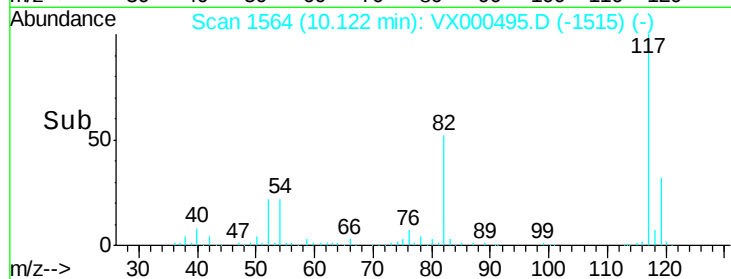
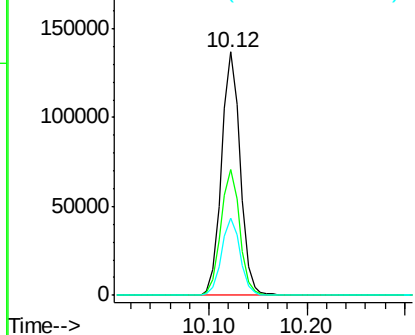
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000495.D
Acq: 28 Mar 2018 17:59

Instrument :
MSVOA_X
ClientSampleId :
CS-T2

Tgt Ion:117 Resp: 181931
Ion Ratio Lower Upper
117 100
82 51.7 43.8 65.8
119 31.6 24.9 37.3

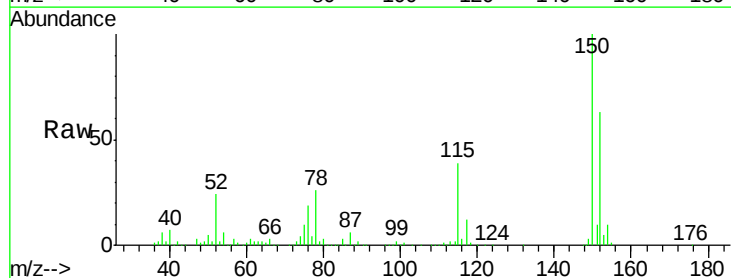


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

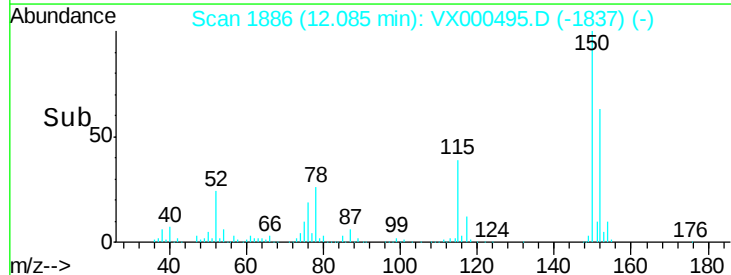
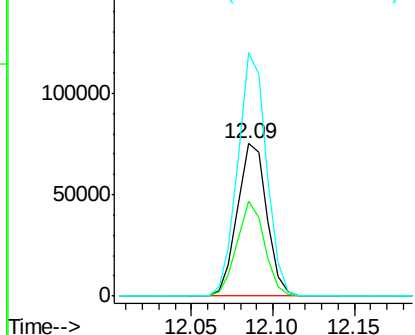


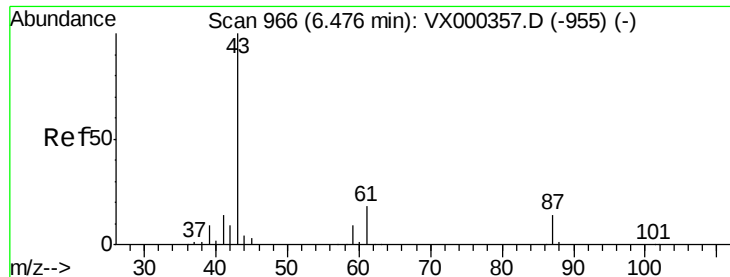
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000495.D
Acq: 28 Mar 2018 17:59

Tgt Ion:152 Resp: 94828
Ion Ratio Lower Upper
152 100
115 58.3 39.8 119.3
150 155.8 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





#74

N-amyI acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000495.D

Acq: 28 Mar 2018 17:59

Instrument :

MSVOA_X

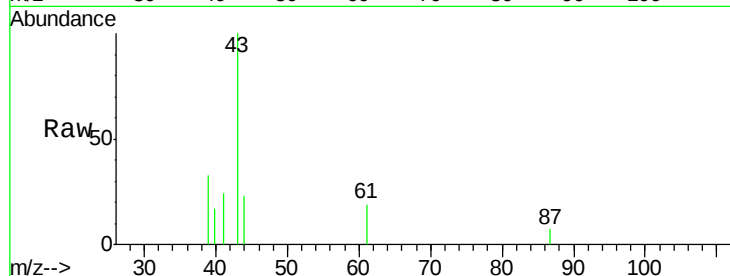
ClientSampled :

CS-T2

Tgt Ion: 43 Resp: 1762

Ion Ratio Lower Upper

43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	6.8	14.4	21.6#

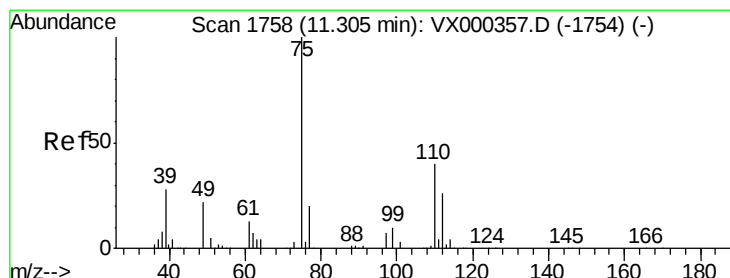
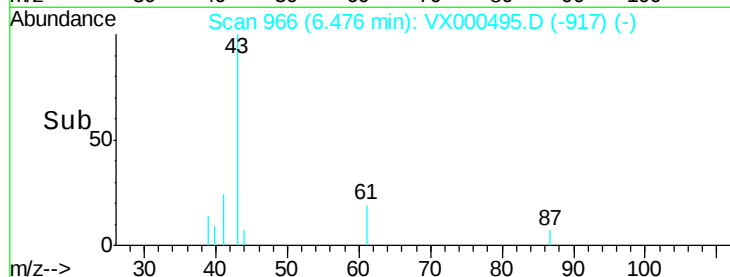
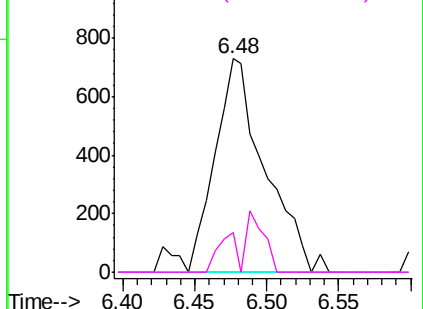


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.15 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

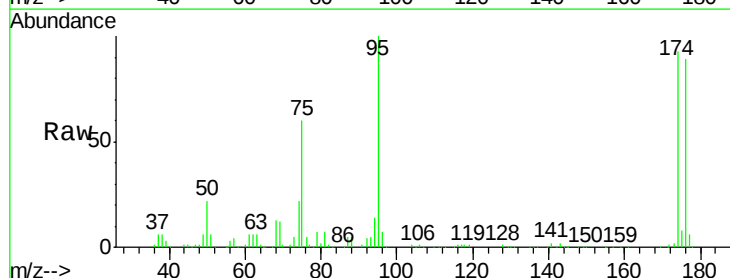
Lab File: VX000495.D

Acq: 28 Mar 2018 17:59

Tgt Ion: 75 Resp: 47181

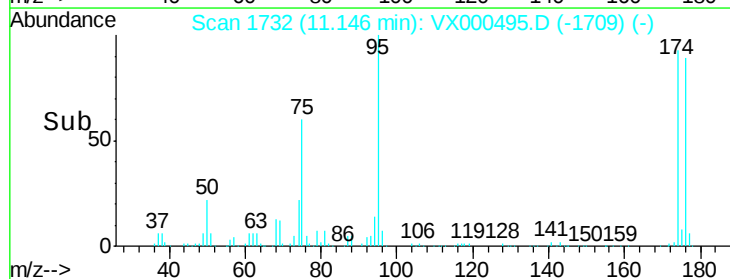
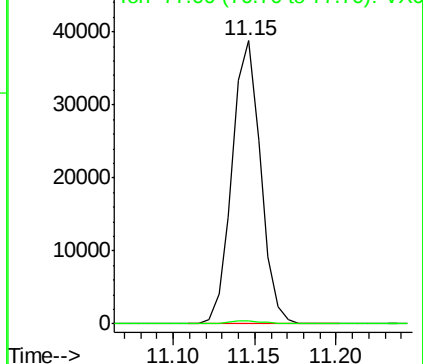
Ion Ratio Lower Upper

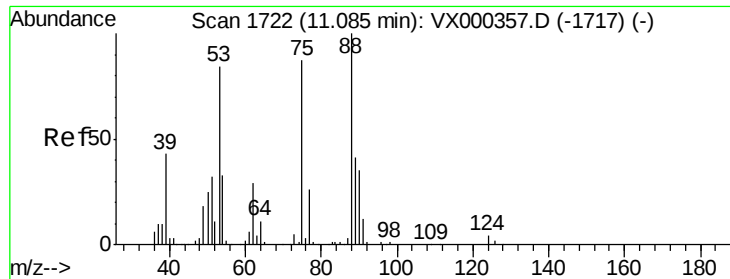
75	100		
77	1.1	21.4	64.2#



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: 74.95 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000495.D

Acq: 28 Mar 2018 17:59

Instrument :

MSVOA_X

ClientSampled :

CS-T2

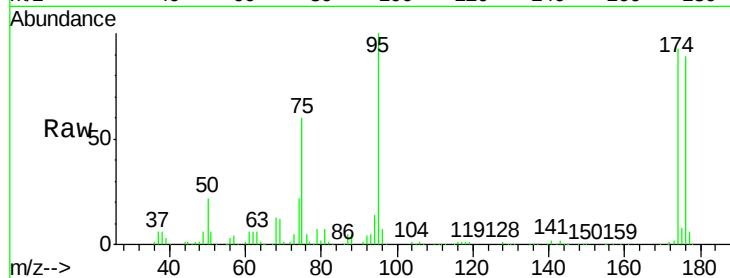
Tgt Ion: 75 Resp: 47181

Ion Ratio Lower Upper

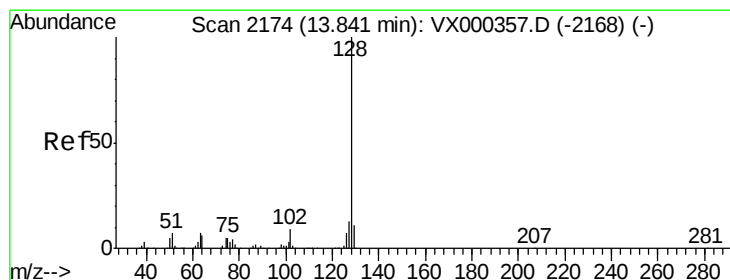
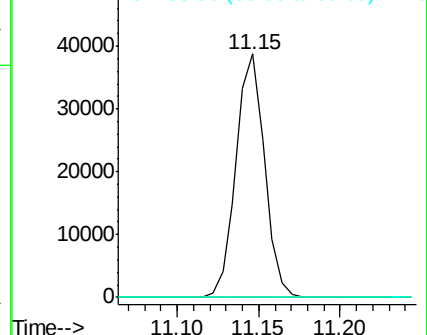
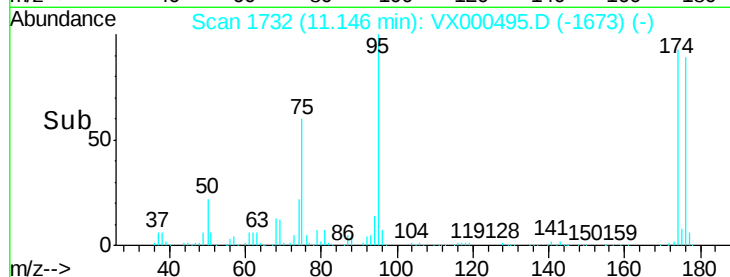
75 100

53 0.0 80.7 121.1#

89 0.1 39.4 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX000495.D (-1673) (-)



#95

Naphthalene

Concen: 0.31 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000495.D

Acq: 28 Mar 2018 17:59

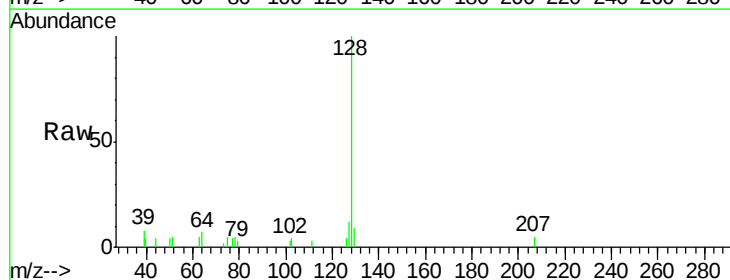
Tgt Ion: 128 Resp: 2370

Ion Ratio Lower Upper

128 100

127 16.5 10.6 15.8#

129 10.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): VX000495.D (-2125) (-)

