

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
 Data File : VX000441.D
 Acq On : 26 Mar 2018 15:25
 Operator : JC/MD
 Sample : J1758-08 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 05:52:46 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	110239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	195950	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	185961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	87450	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	81218	56.44	ug/l	0.00
Spiked Amount			Recovery	=	112.88%	
35) Dibromofluoromethane	5.52	113	63544	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
50) Toluene-d8	8.73	98	245416	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.15	95	81417	39.20	ug/l	0.00
Spiked Amount			Recovery	=	78.40%	

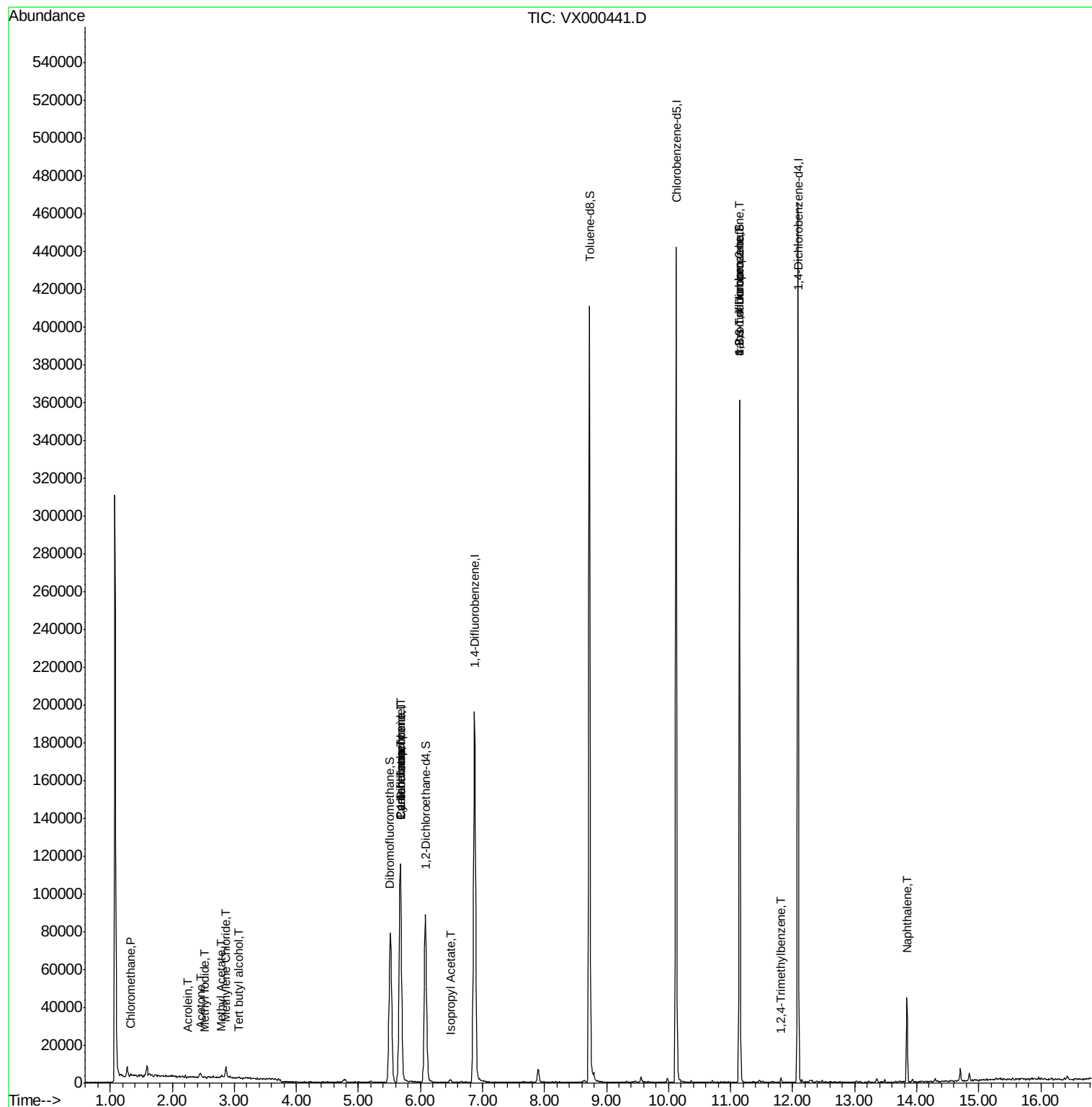
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	589	0.460	ug/l	94
6) Chloroethane	1.72	64	193	Below Cal	#	68
10) Methyl Iodide	2.53	142	53	4.312	ug/l #	65
11) Tert butyl alcohol	3.07	59	346	0.699	ug/l #	73
13) Acrolein	2.26	56	22	14.709	ug/l #	9
14) Allyl chloride	2.75	41	157	Below Cal	#	56
16) Acetone	2.45	43	2596	2.169	ug/l	92
18) Methyl Acetate	2.79	43	1058	0.422	ug/l	95
20) Methylene Chloride	2.87	84	1933	1.398	ug/l #	69
31) Cyclohexane	5.67	56	2952	1.626	ug/l #	48
36) 1,1-Dichloropropene	5.67	75	8884	4.840	ug/l #	42
38) Carbon Tetrachloride	5.68	117	10940	5.681	ug/l #	14
43) Isopropyl Acetate	6.49	43	1714	0.459	ug/l #	88
74) N-amyl acetate	6.49	43	1714	Below Cal	#	98
76) 1,2,3-Trichloropropane	11.15	75	46694	24.845	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	46694	80.438	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	1074	0.210	ug/l	89
95) Naphthalene	13.84	128	25631	3.587	ug/l	99

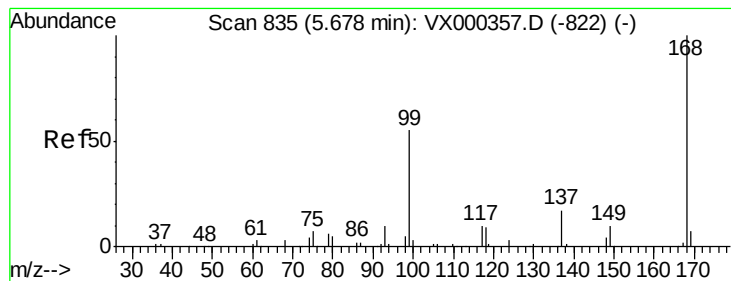
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000441.D

Acq: 26 Mar 2018 15:25

Instrument :

MSVOA_X

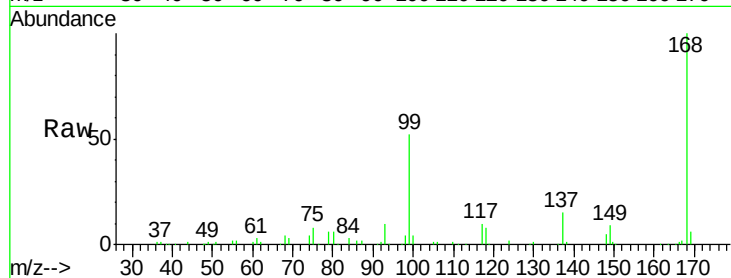
ClientSampleId :

Tot Ion:168 Resp: 110239

Ion Ratio Lower Upper

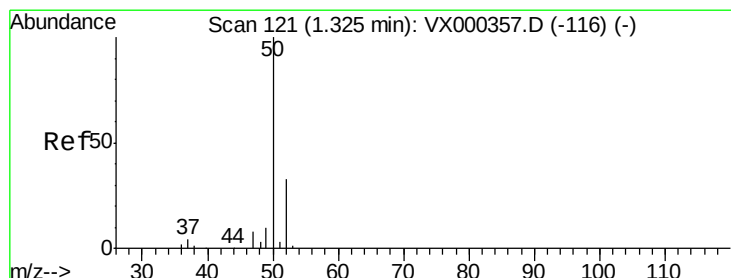
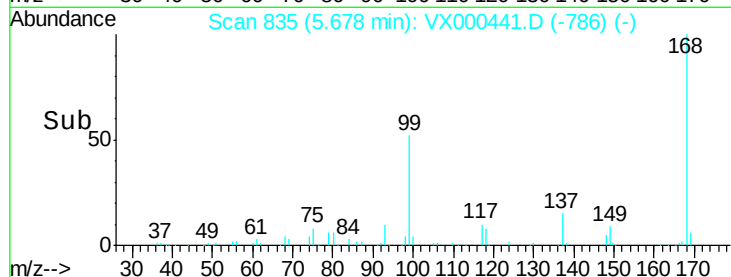
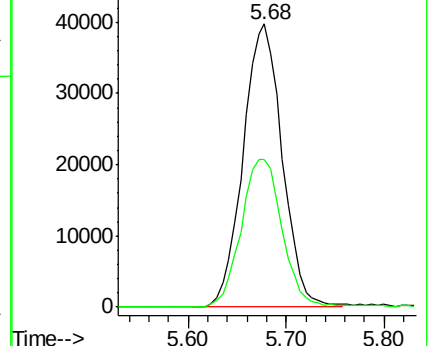
168 100

99 52.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.460 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000441.D

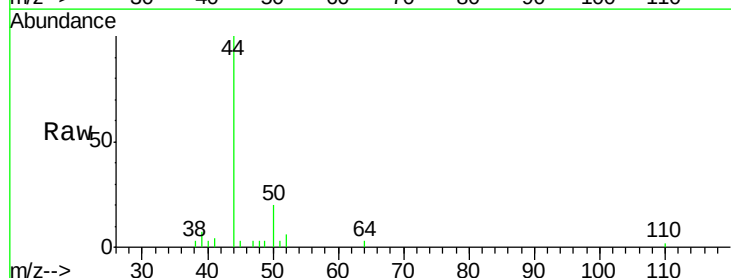
Acq: 26 Mar 2018 15:25

Tgt Ion: 50 Resp: 589

Ion Ratio Lower Upper

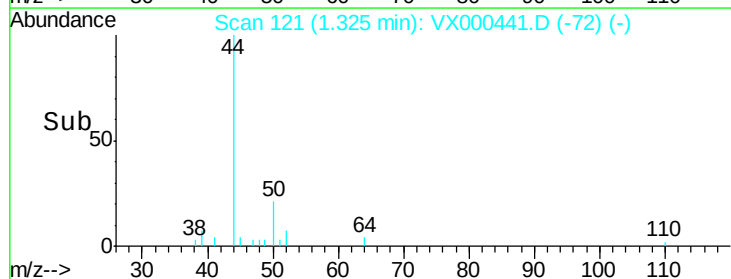
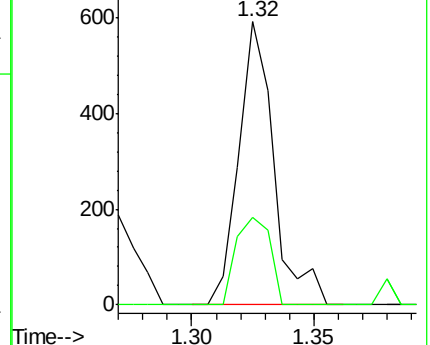
50 100

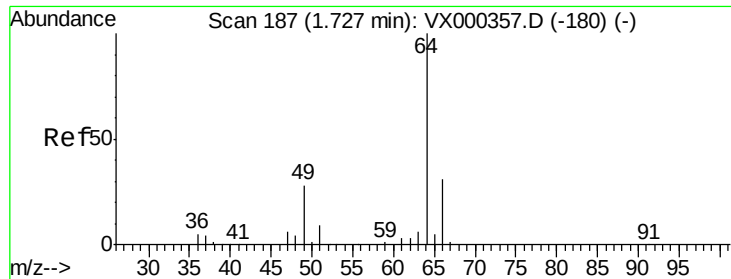
52 31.1 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000441.D

Acq: 26 Mar 2018 15:25

Instrument :

MSVOA_X

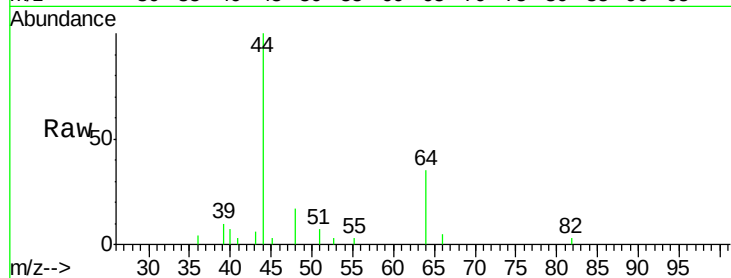
ClientSampled :

Tot Ion: 64 Resp: 193

Ion Ratio Lower Upper

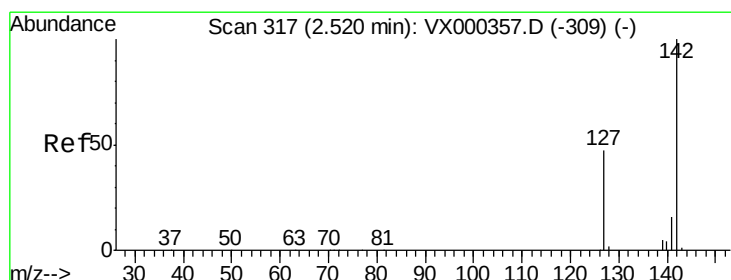
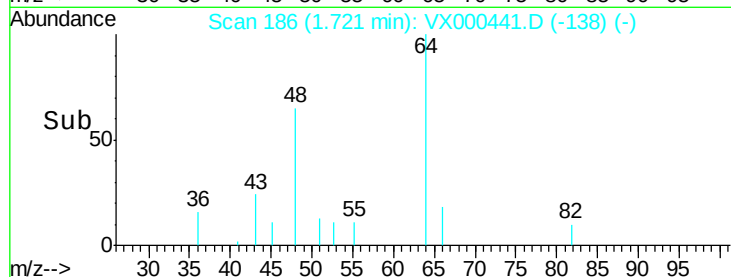
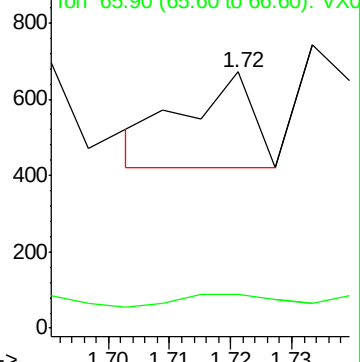
64 100

66 13.6 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: 4.312 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000441.D

Acq: 26 Mar 2018 15:25

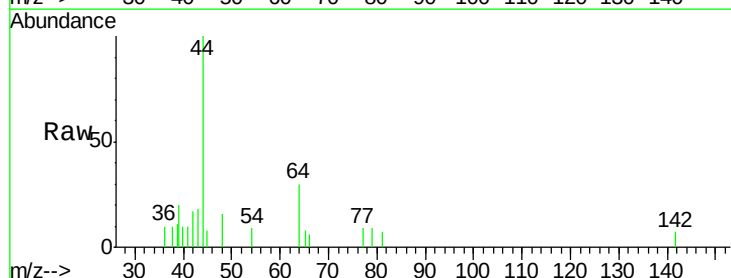
Tgt Ion: 142 Resp: 53

Ion Ratio Lower Upper

142 100

127 35.8 39.2 58.8#

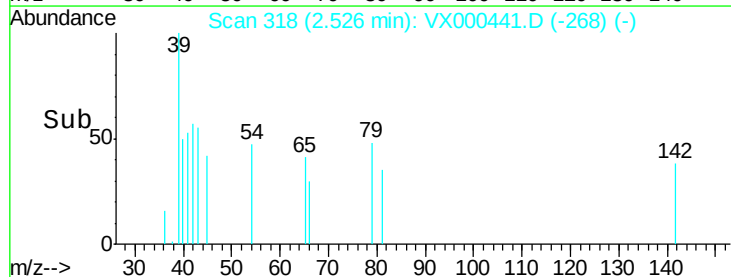
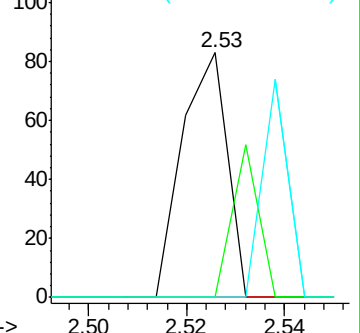
141 50.9 11.7 17.5#

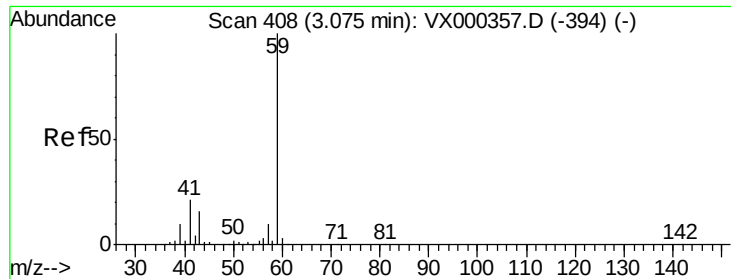


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

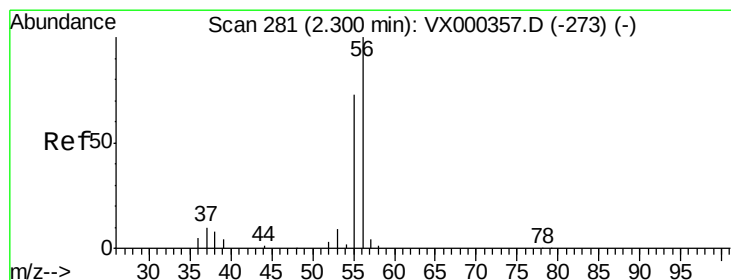
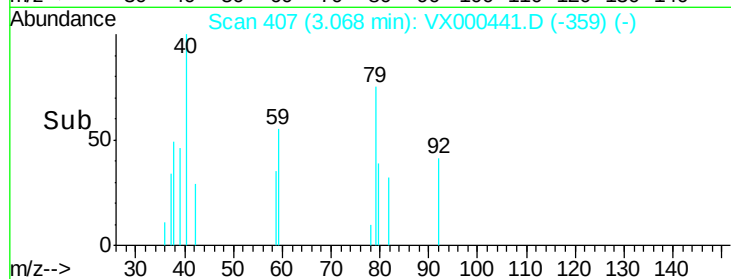
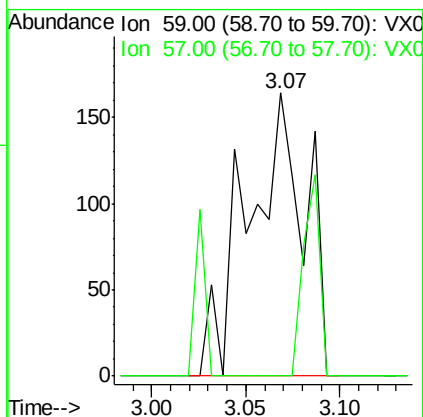
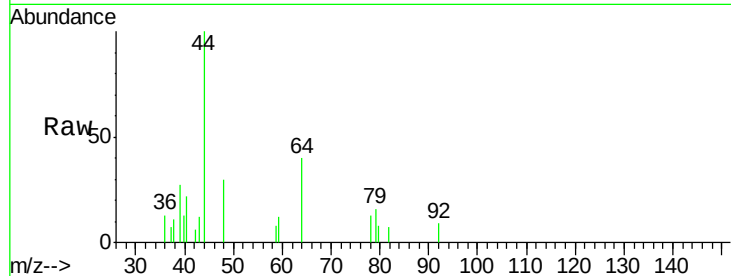




#11
Tert butyl alcohol
Concen: 0.699 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000441.D
Acq: 26 Mar 2018 15:25

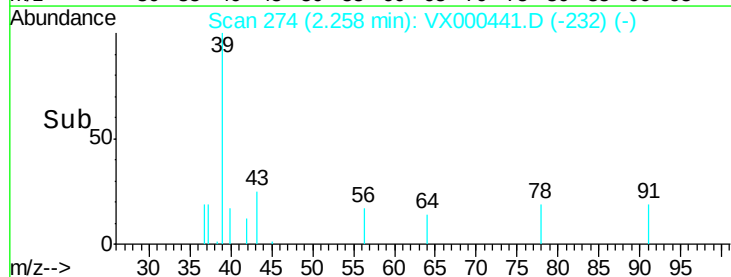
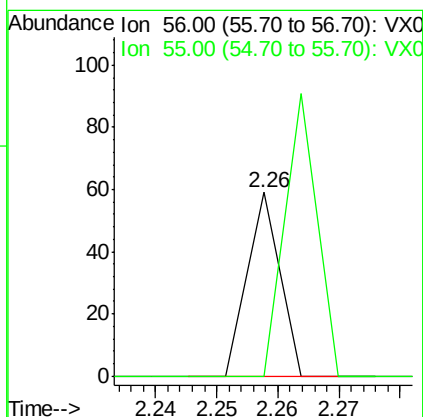
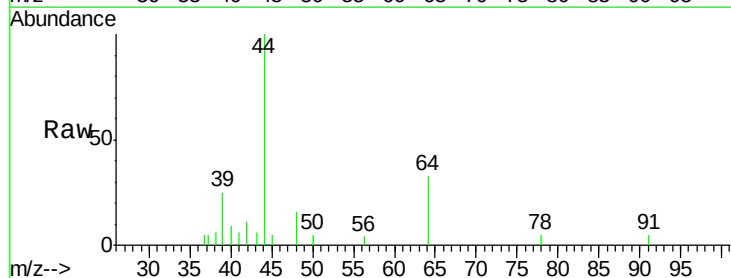
Instrument :
MSVOA_X
ClientSampled :

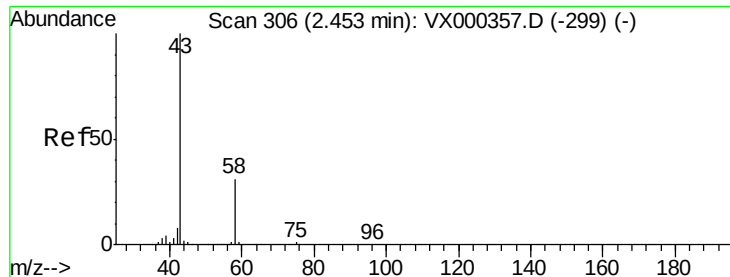
Tot Ion: 59 Resp: 346
Ion Ratio Lower Upper
59 100
57 20.5 8.4 12.6#



#13
Acrolein
Concen: 14.709 ug/l
RT: 2.26 min Scan# 274
Delta R.T. -0.04 min
Lab File: VX000441.D
Acq: 26 Mar 2018 15:25

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 150.0 58.8 88.2#





#16

Acetone

Concen: 2.169 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000441.D

Acq: 26 Mar 2018 15:25

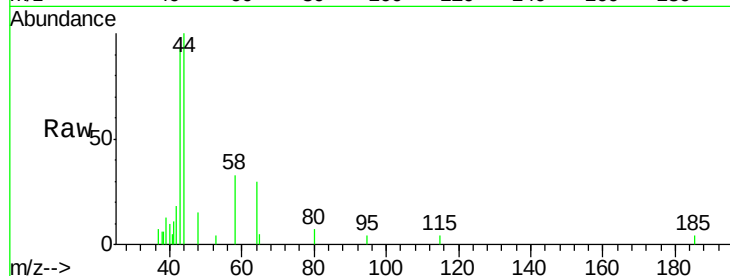
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 2596

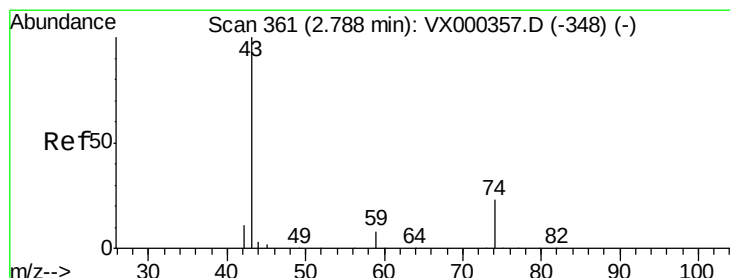
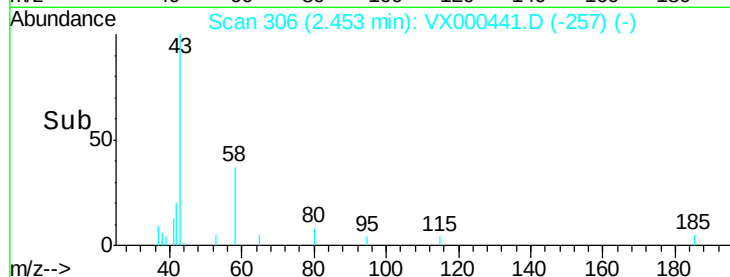
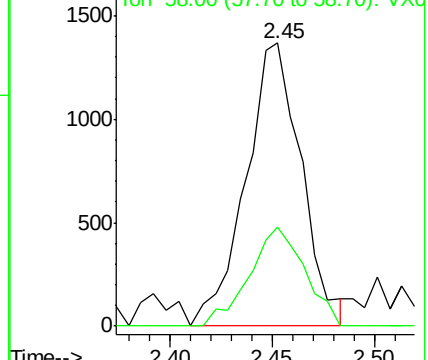
Ion Ratio Lower Upper

43 100

58 35.2 24.7 37.1



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



#18

Methyl Acetate

Concen: 0.422 ug/l

RT: 2.79 min Scan# 361

Delta R.T. -0.00 min

Lab File: VX000441.D

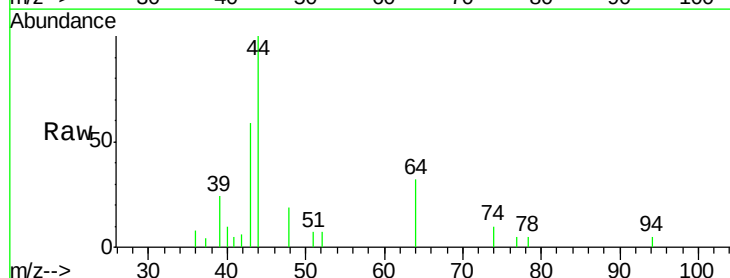
Acq: 26 Mar 2018 15:25

Tgt Ion: 43 Resp: 1058

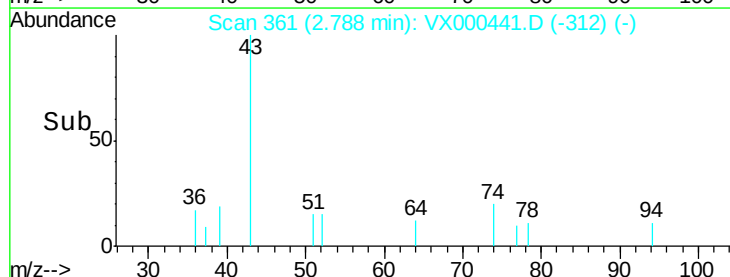
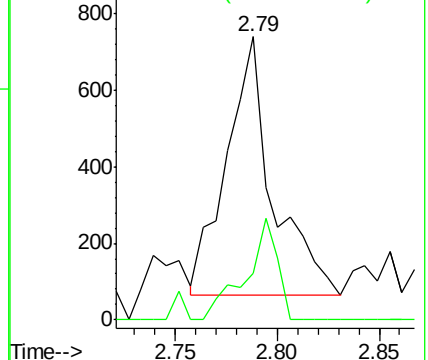
Ion Ratio Lower Upper

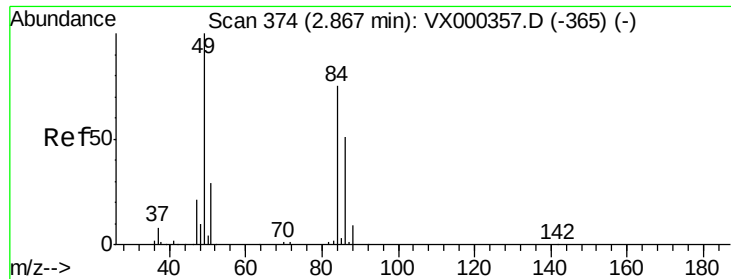
43 100

74 26.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0

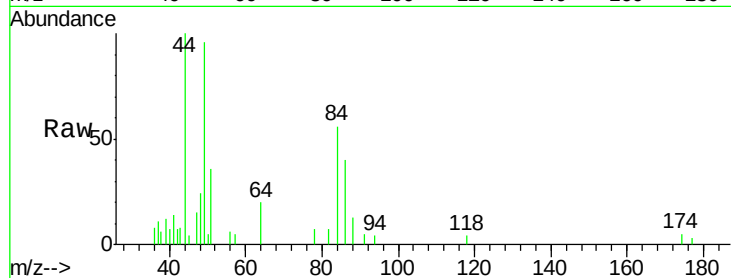




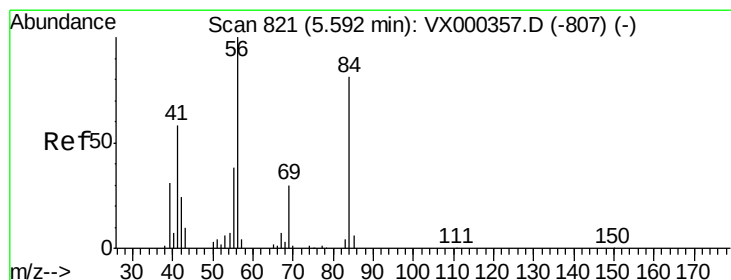
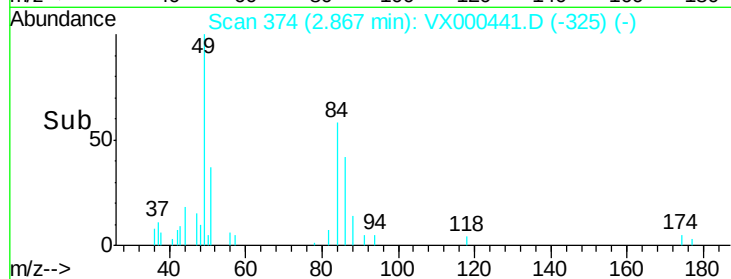
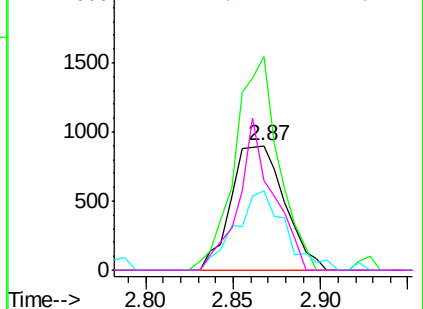
#20
Methylene Chloride
Concen: 1.398 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000441.D
Acq: 26 Mar 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 1933
Ion Ratio Lower Upper
84 100
49 171.9 100.6 151.0#
51 64.4 31.6 47.4#
86 72.4 52.6 78.8

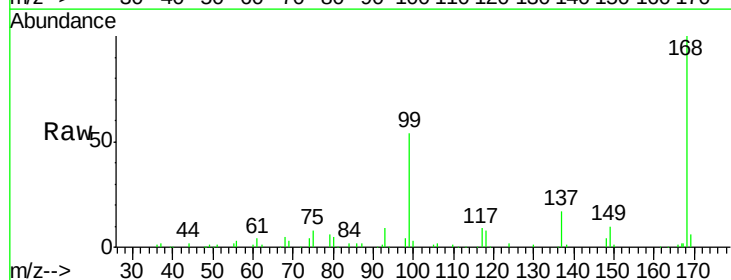


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

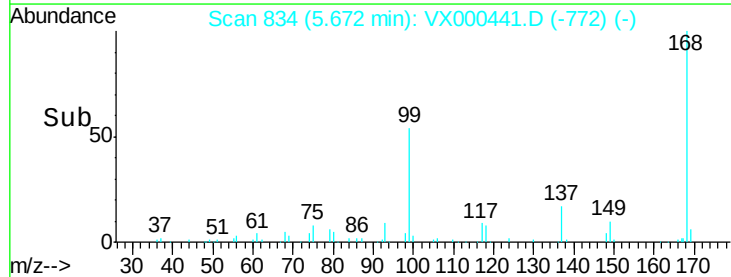
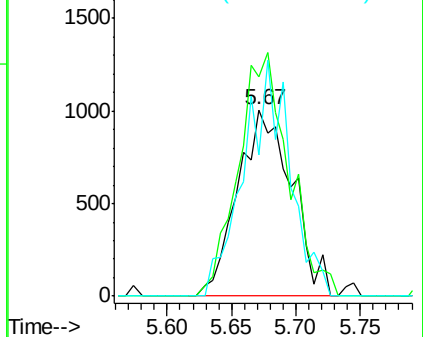


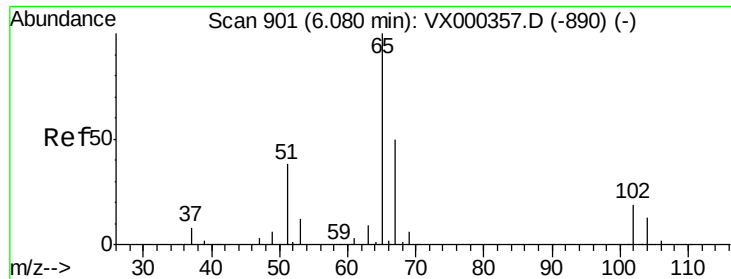
#31
Cyclohexane
Concen: 1.626 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000441.D
Acq: 26 Mar 2018 15:25

Tgt Ion: 56 Resp: 2952
Ion Ratio Lower Upper
56 100
69 117.9 23.4 35.0#
84 75.6 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

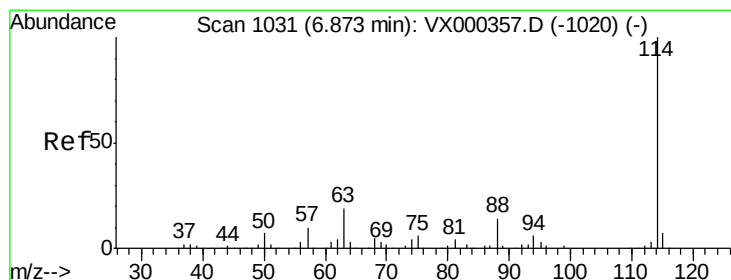
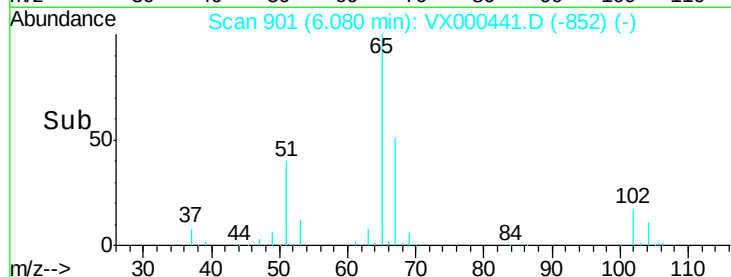
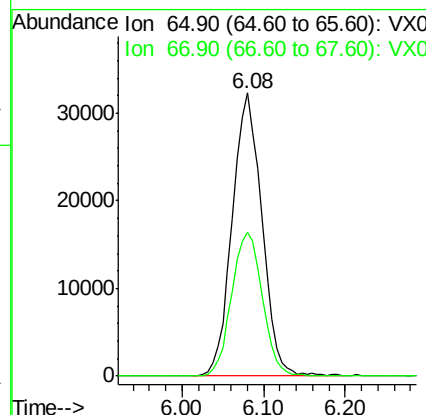
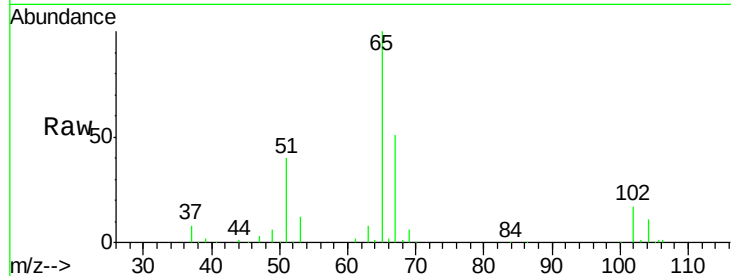




#33
 1,2-Dichloroethane-d4
 Concen: 56.440 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000441.D
 Acq: 26 Mar 2018 15:25

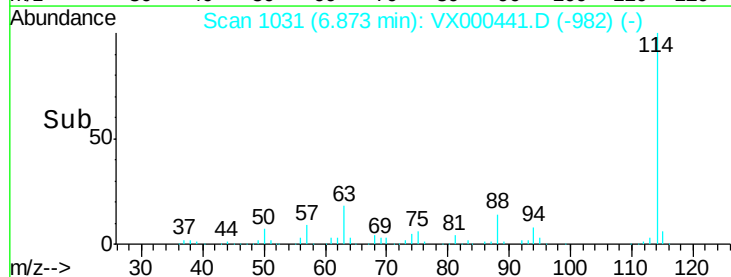
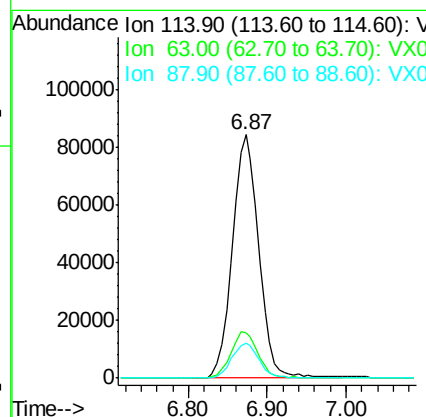
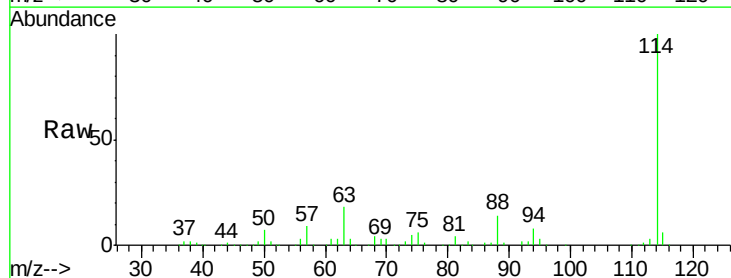
Instrument :
 MSVOA_X
 ClientSampleId :

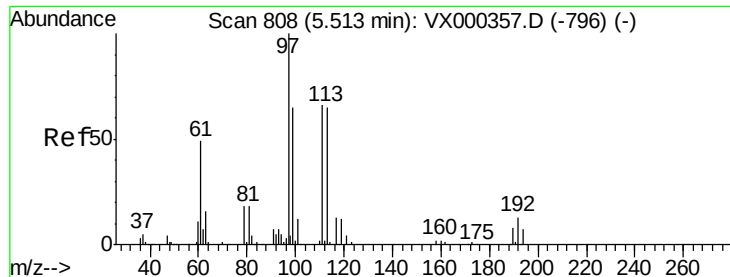
Tot Ion: 65 Resp: 81218
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000441.D
 Acq: 26 Mar 2018 15:25

Tgt Ion: 114 Resp: 195950
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.4
 88 14.2 0.0 27.0

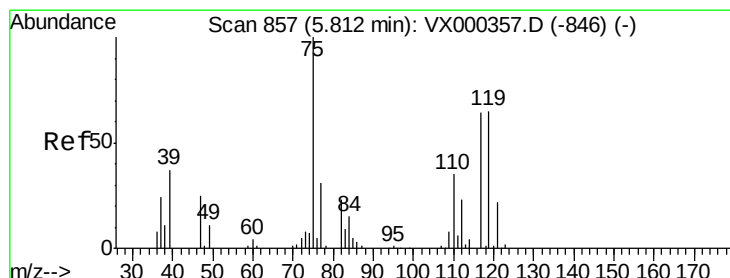
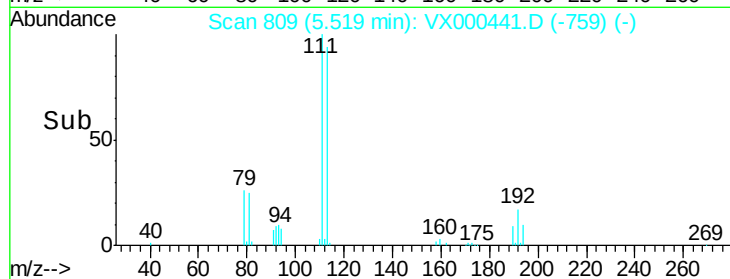
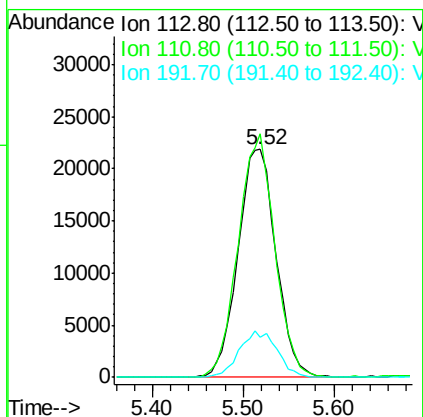
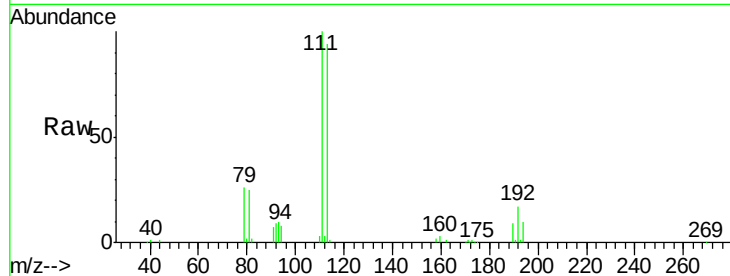




#35
 Dibromofluoromethane
 Concen: 51.467 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000441.D
 Acq: 26 Mar 2018 15:25

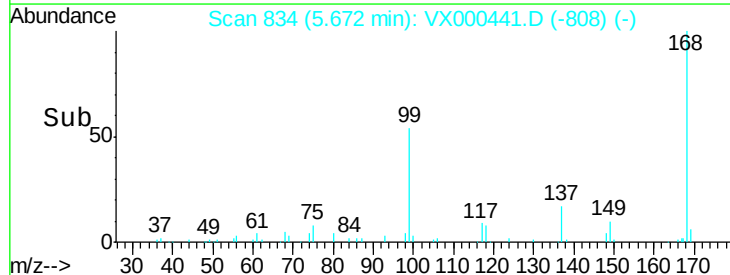
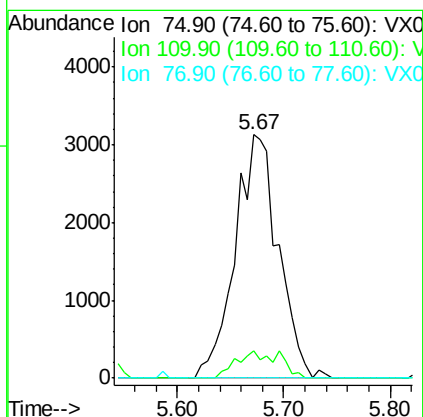
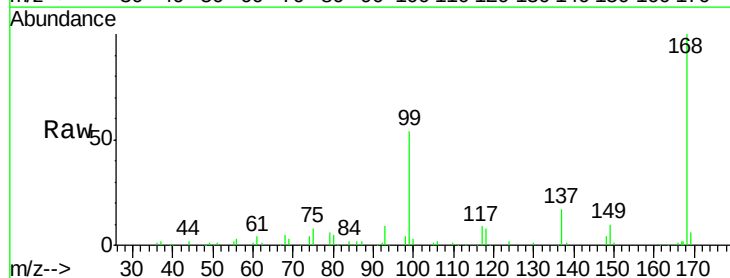
Instrument :
 MSVOA_X
 ClientSampleId :

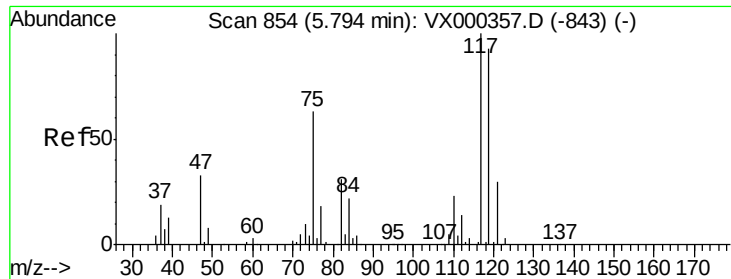
Tot Ion:113 Resp: 63544
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 20.1 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.840 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000441.D
 Acq: 26 Mar 2018 15:25

Tgt Ion: 75 Resp: 8884
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.9 53.7#
 77 0.0 24.0 36.0#

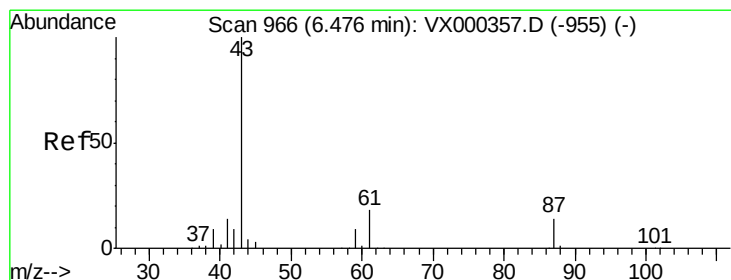
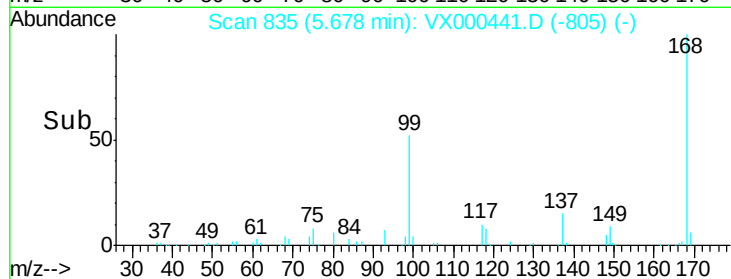
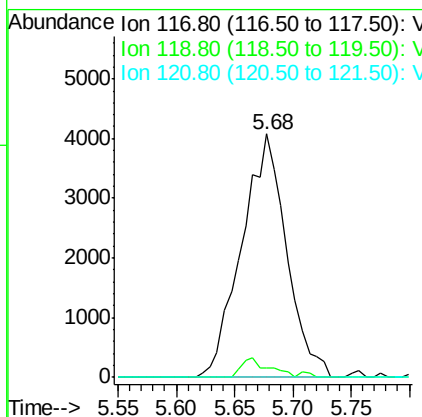
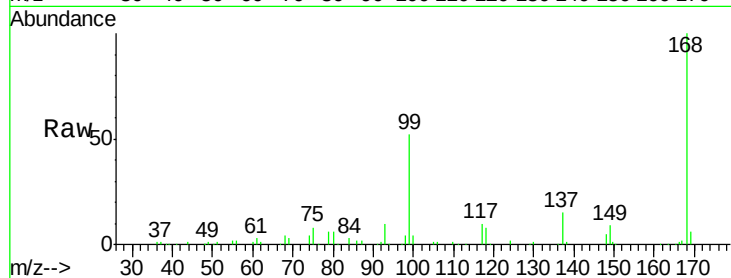




#38
 Carbon Tetrachloride
 Concen: 5.681 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000441.D
 Acq: 26 Mar 2018 15:25

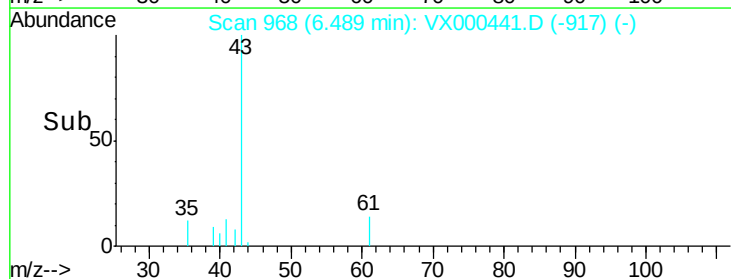
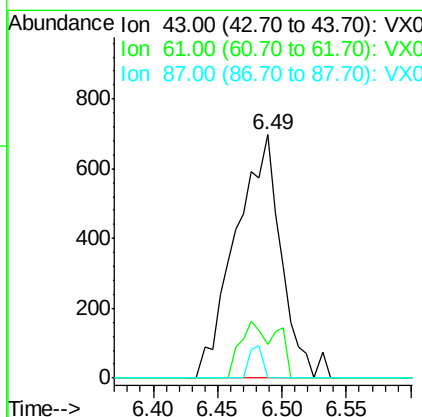
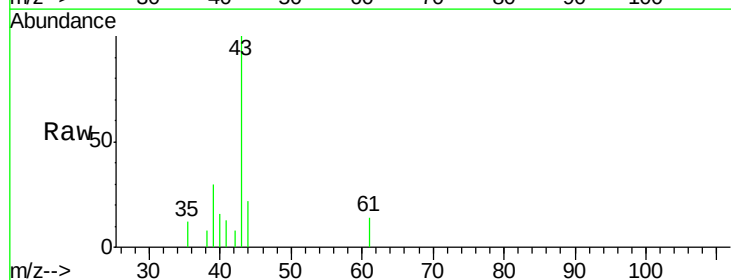
Instrument :
 MSVOA_X
 ClientSampled :

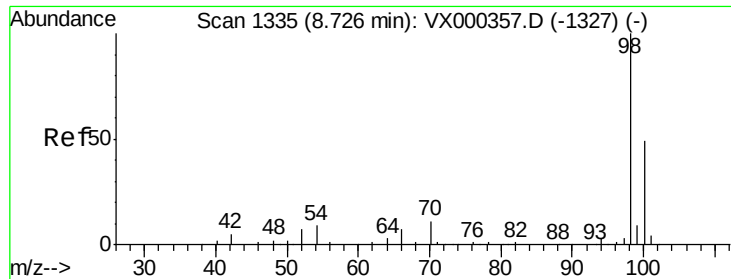
Tot Ion:117 Resp: 10940
 Ion Ratio Lower Upper
 117 100
 119 3.6 77.4 116.2#
 121 0.0 24.8 37.2#



#43
 Isopropyl Acetate
 Concen: 0.459 ug/l
 RT: 6.49 min Scan# 968
 Delta R.T. 0.01 min
 Lab File: VX000441.D
 Acq: 26 Mar 2018 15:25

Tgt Ion: 43 Resp: 1714
 Ion Ratio Lower Upper
 43 100
 61 18.8 14.4 21.6
 87 3.7 11.0 16.4#

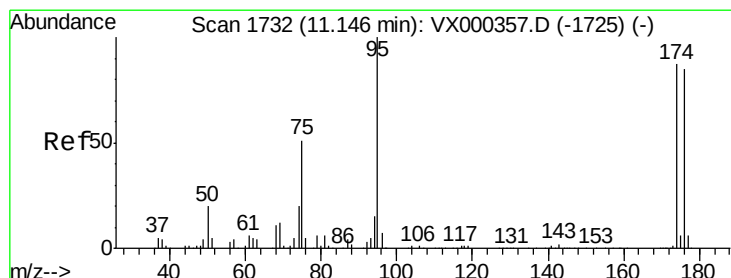
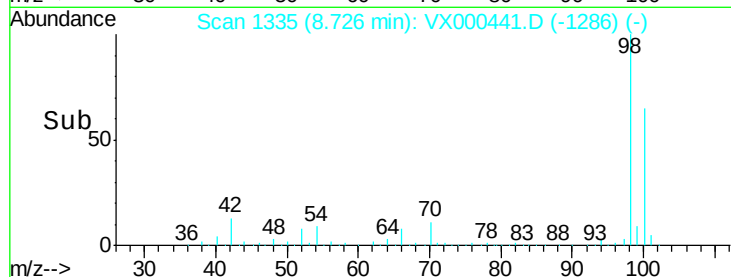
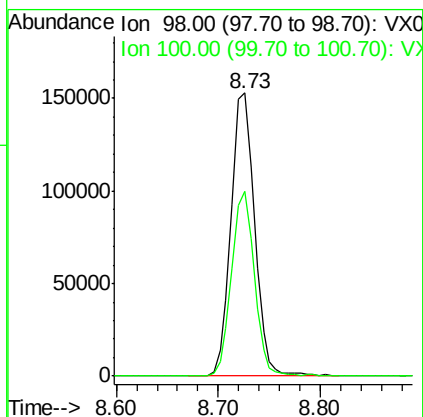
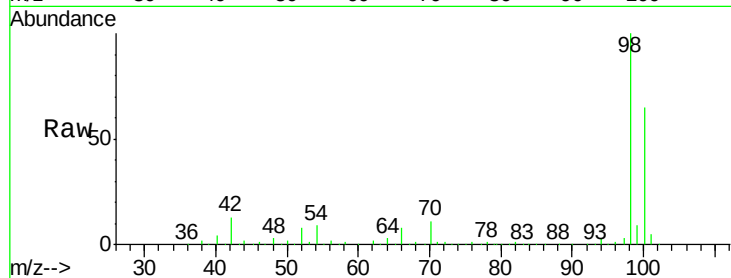




#50
Toluene-d8
Concen: 47.994 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000441.D
Acq: 26 Mar 2018 15:25

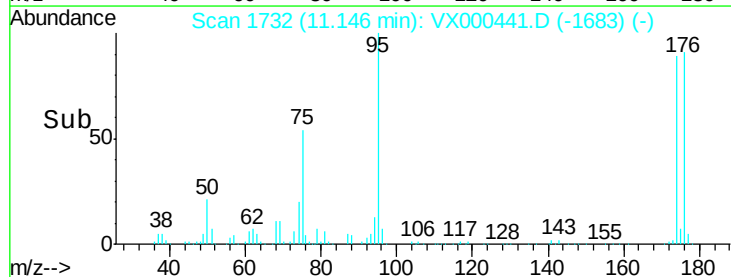
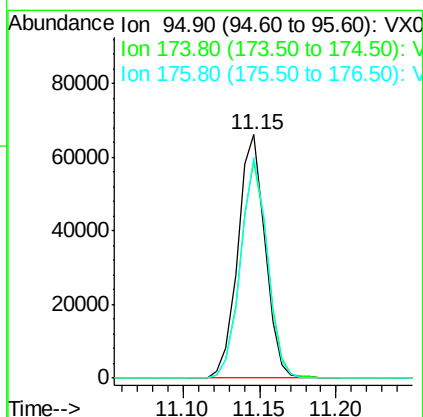
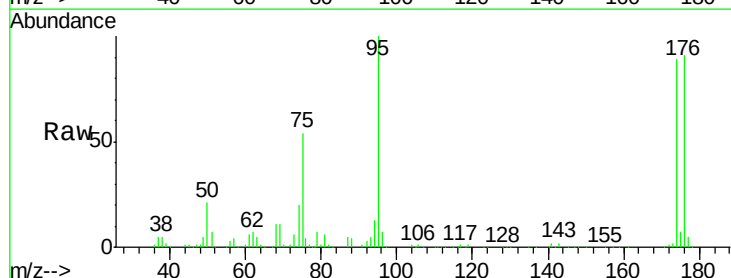
Instrument :
MSVOA_X
ClientSampleId :

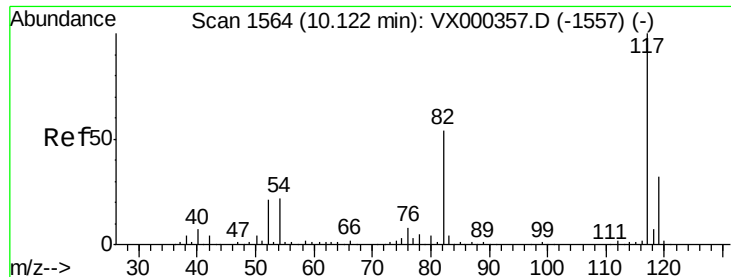
Tot Ion: 98 Resp: 245416
Ion Ratio Lower Upper
98 100
100 63.4 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 39.203 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000441.D
Acq: 26 Mar 2018 15:25

Tgt Ion: 95 Resp: 81417
Ion Ratio Lower Upper
95 100
174 89.2 0.0 173.6
176 88.7 0.0 164.6

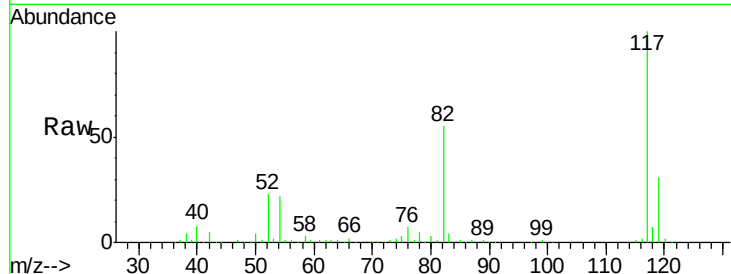




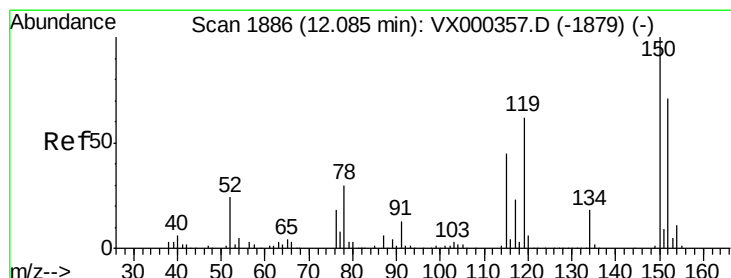
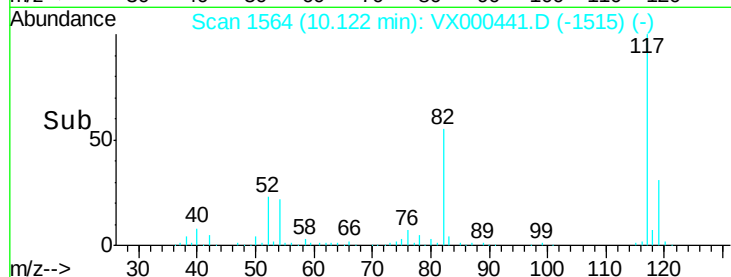
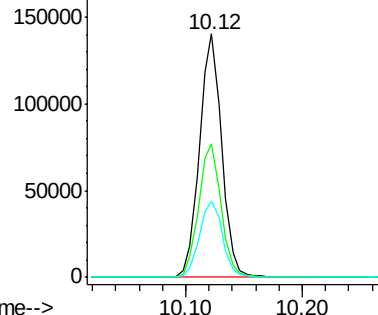
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000441.D
Acq: 26 Mar 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 185961
Ion Ratio Lower Upper
117 100
82 54.6 43.8 65.8
119 31.3 24.9 37.3

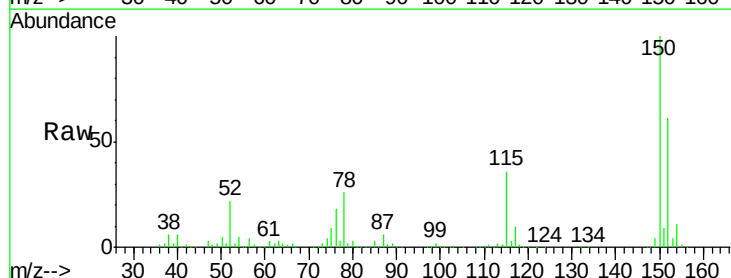


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

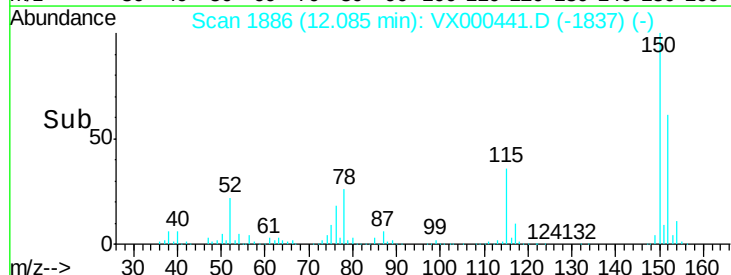
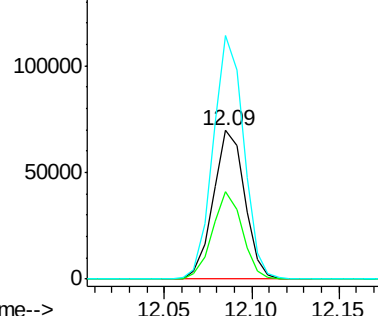


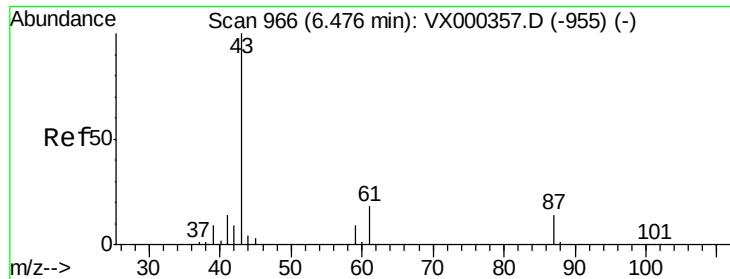
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000441.D
Acq: 26 Mar 2018 15:25

Tgt Ion:152 Resp: 87450
Ion Ratio Lower Upper
152 100
115 56.0 39.8 119.3
150 159.3 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-amvl acetate

Concen: Below Cal

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000441.D

Acq: 26 Mar 2018 15:25

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 43 Resp: 1714

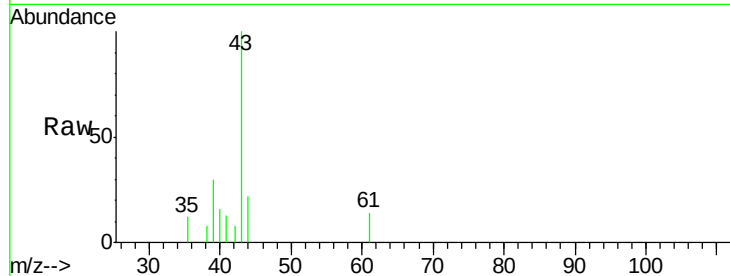
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 18.8 14.4 21.6

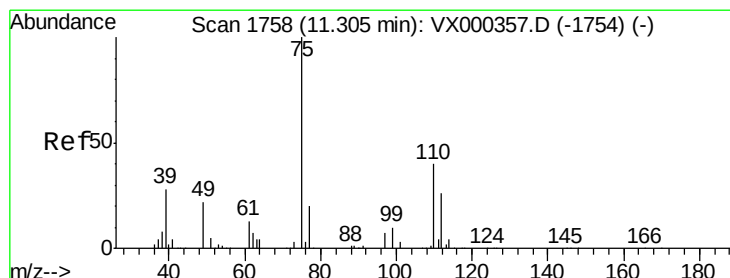
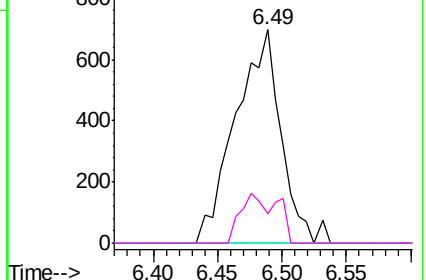
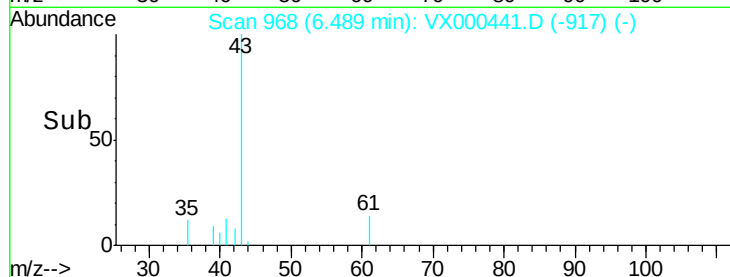


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.845 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000441.D

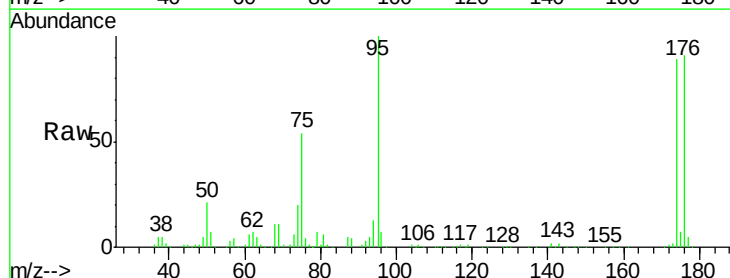
Acq: 26 Mar 2018 15:25

Tgt Ion: 75 Resp: 46694

Ion Ratio Lower Upper

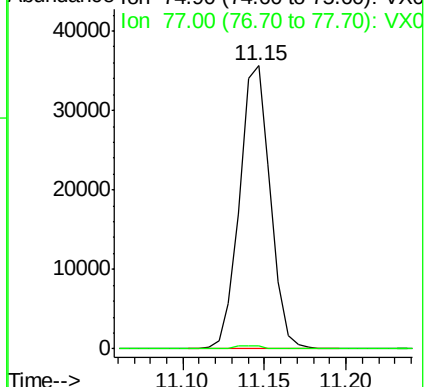
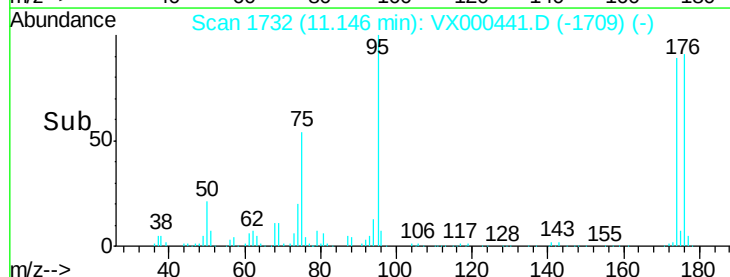
75 100

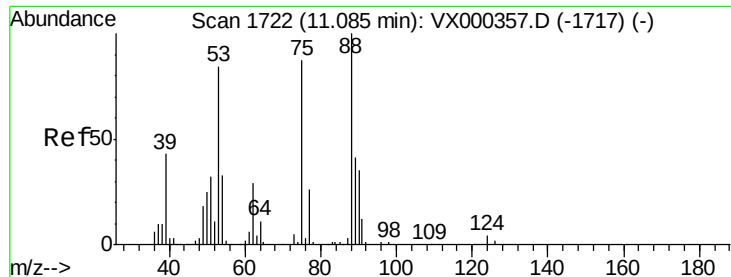
77 1.0 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

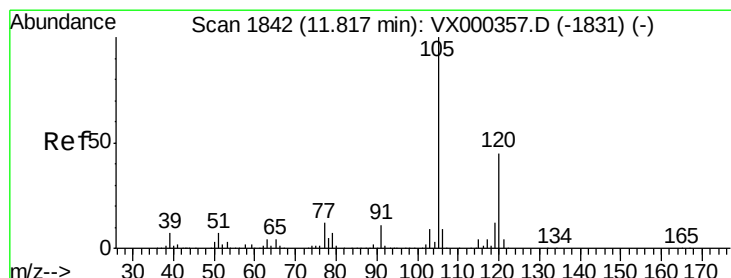
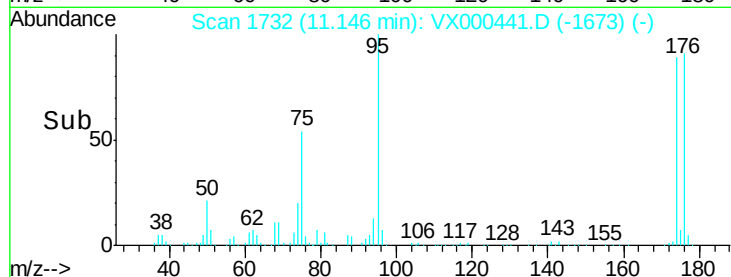
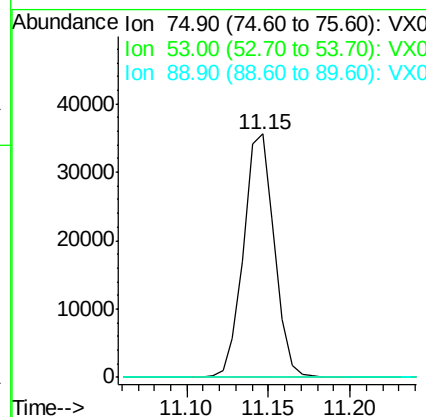
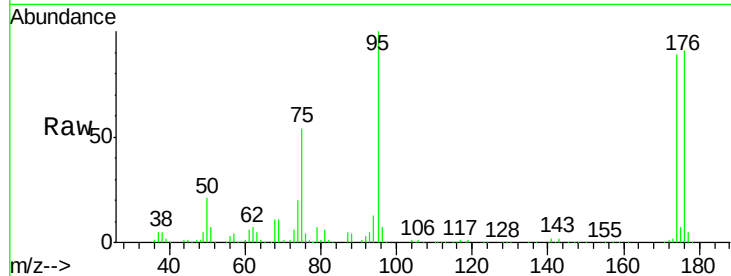




#81
trans-1,4-Dichloro-2-butene
Concen: 80.438 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.06 min
Lab File: VX000441.D
Acq: 26 Mar 2018 15:25

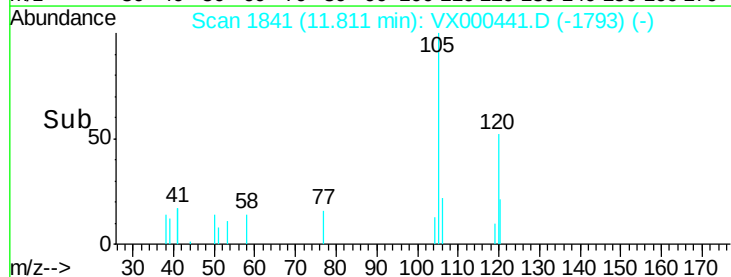
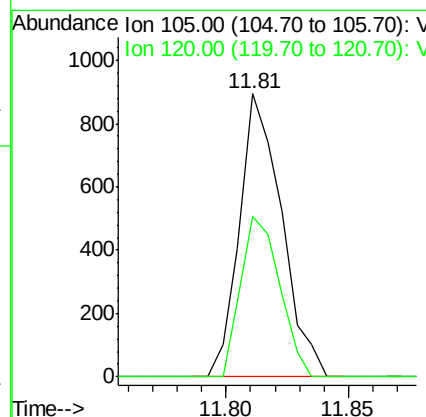
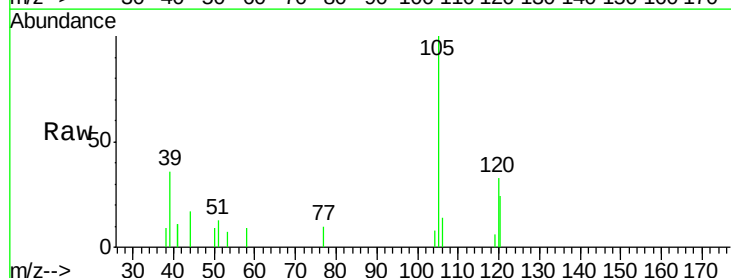
Instrument :
MSVOA_X
ClientSampled :

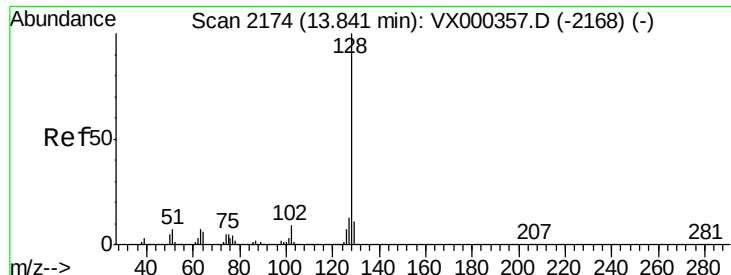
Tot Ion: 75 Resp: 46694
Ion Ratio Lower Upper
75 100
53 0.0 80.7 121.1#
89 0.0 39.4 59.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.210 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX000441.D
Acq: 26 Mar 2018 15:25

Tgt Ion: 105 Resp: 1074
Ion Ratio Lower Upper
105 100
120 52.1 22.4 67.3





#95
Naphthalene
Concen: 3.587 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000441.D
Acq: 26 Mar 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.5	8.9	13.3

