

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
 Data File : VX000435.D
 Acq On : 26 Mar 2018 12:13
 Operator : JC/MD
 Sample : VX0326WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 05:50:03 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	126086	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.87	114	229936	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	227399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	106106	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	91118	55.36	ug/l	0.00
Spiked Amount			Recovery	=	110.72%	
35) Dibromofluoromethane	5.51	113	73135	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	8.72	98	293366	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.15	95	97409	39.85	ug/l	0.00
Spiked Amount			Recovery	=	79.70%	

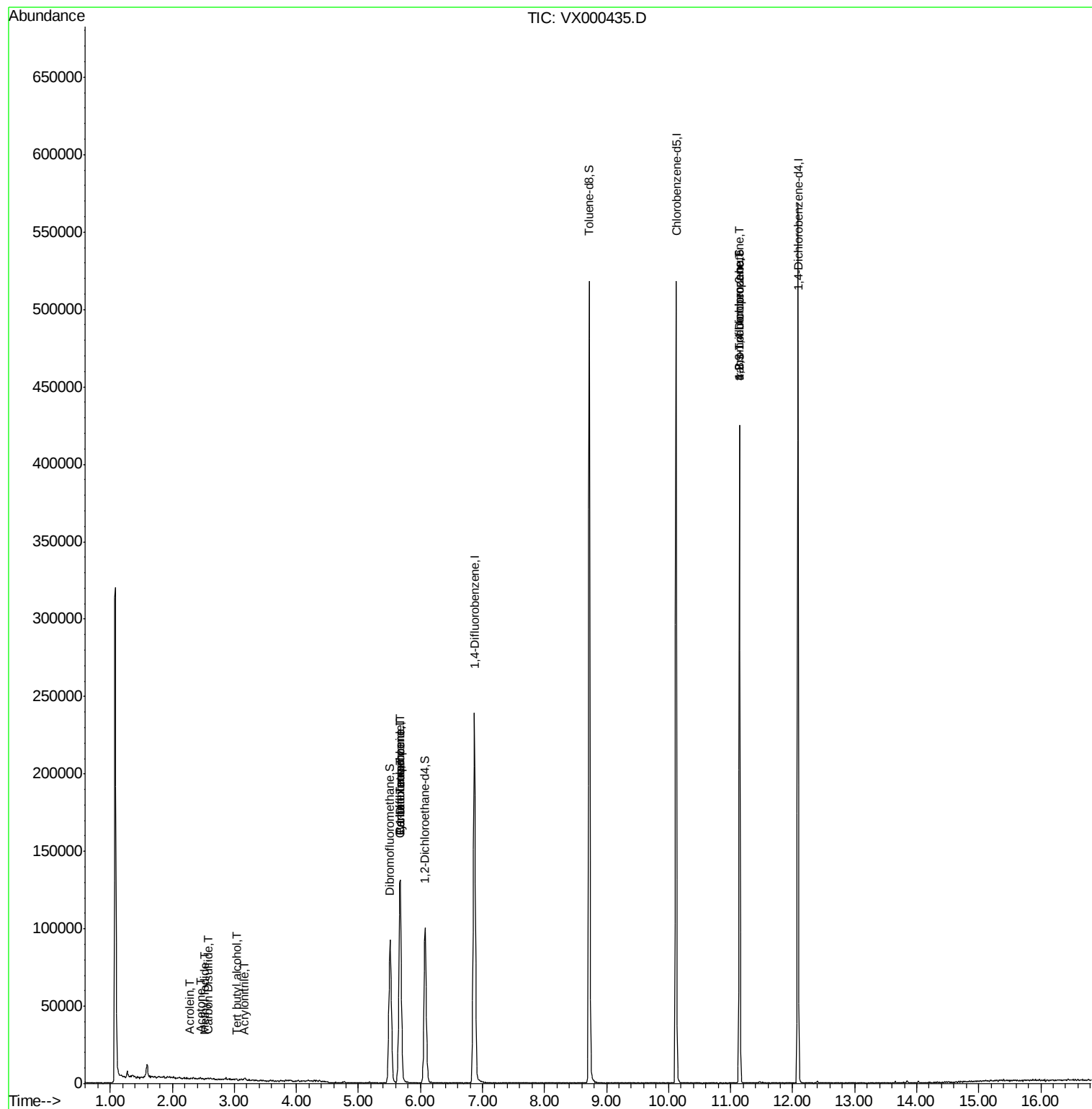
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	168	Below Cal	#	74
10) Methyl Iodide	2.52	142	103	4.337	ug/l #	73
11) Tert butyl alcohol	3.04	59	176	0.311	ug/l #	72
13) Acrolein	2.29	56	32	14.745	ug/l	91
14) Allyl chloride	2.75	41	244	Below Cal	#	22
15) Acrylonitrile	3.15	53	490	0.427	ug/l #	77
16) Acetone	2.45	43	363	0.265	ug/l	93
17) Carbon Disulfide	2.58	76	885	0.259	ug/l #	76
31) Cyclohexane	5.66	56	3441	1.657	ug/l #	60
36) 1,1-Dichloropropene	5.68	75	10366	4.813	ug/l #	50
38) Carbon Tetrachloride	5.67	117	12765	5.649	ug/l #	14
74) N-amyl acetate	6.48	43	26	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.14	75	55055	24.143	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	55055	78.166	ug/l #	9

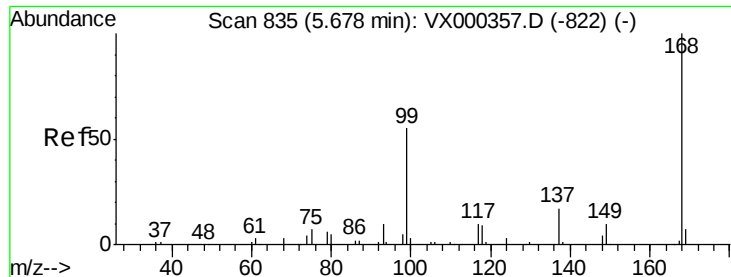
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX000435.D

Acq: 26 Mar 2018 12:13

Instrument :

MSVOA_X

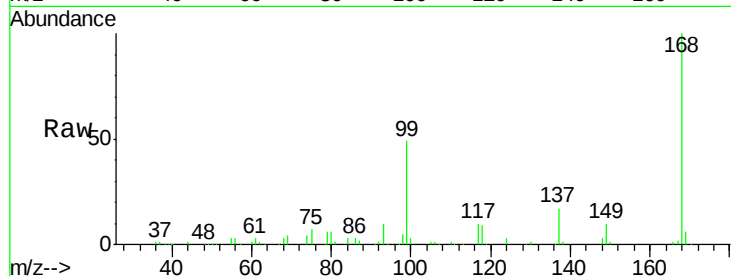
ClientSampled :

Tot Ion:168 Resp: 126086

Ion Ratio Lower Upper

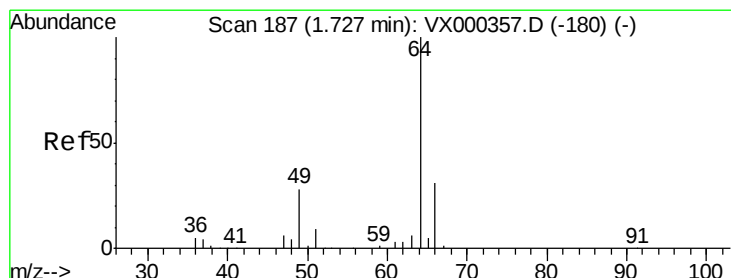
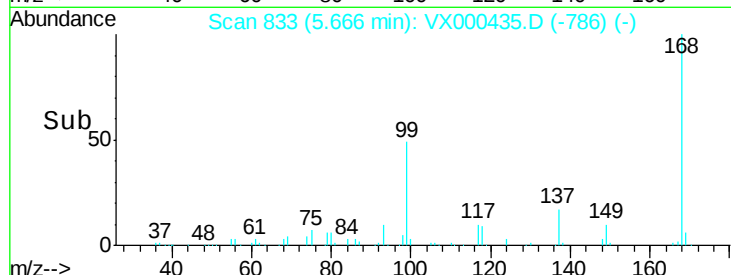
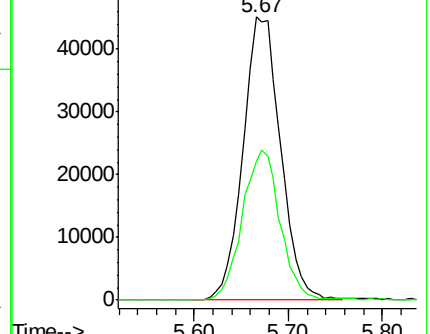
168 100

99 48.6 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: 1.75 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX000435.D

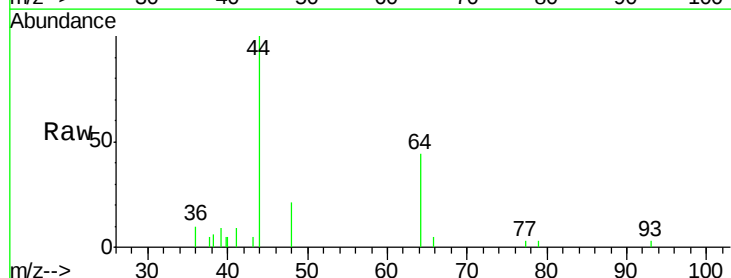
Acq: 26 Mar 2018 12:13

Tgt Ion: 64 Resp: 168

Ion Ratio Lower Upper

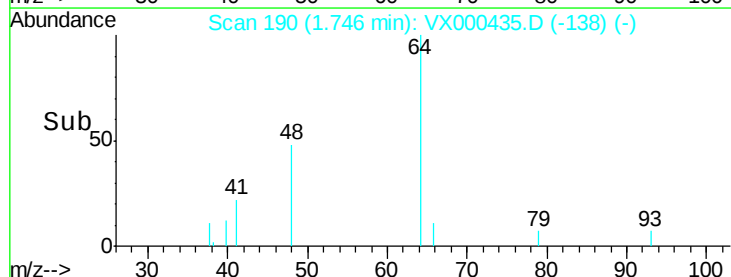
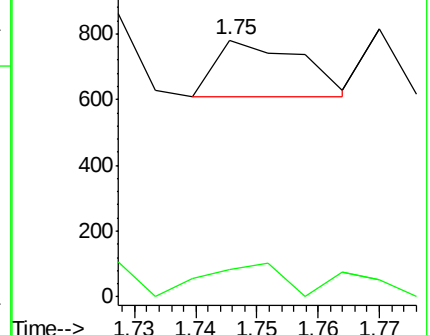
64 100

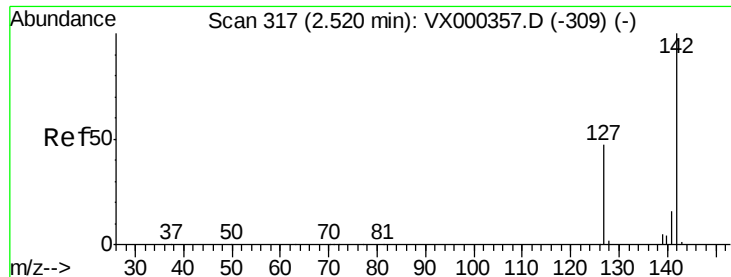
66 16.8 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

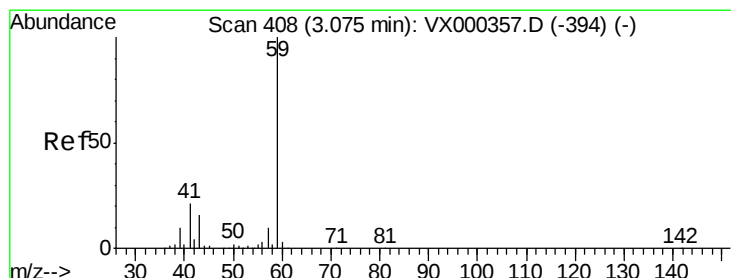
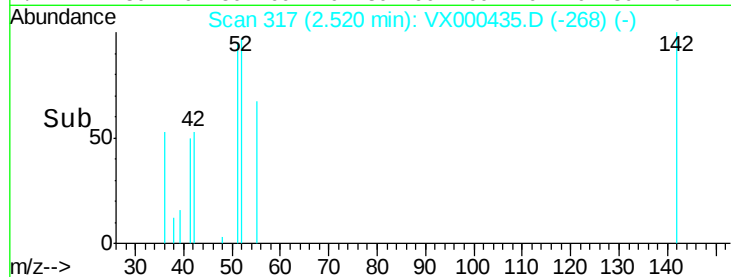
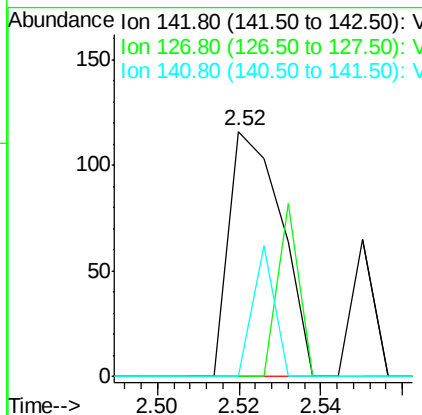
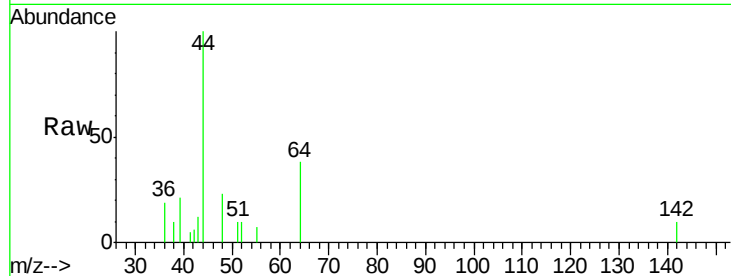




#10
Methyl Iodide
Concen: 4.337 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX000435.D
Acq: 26 Mar 2018 12:13

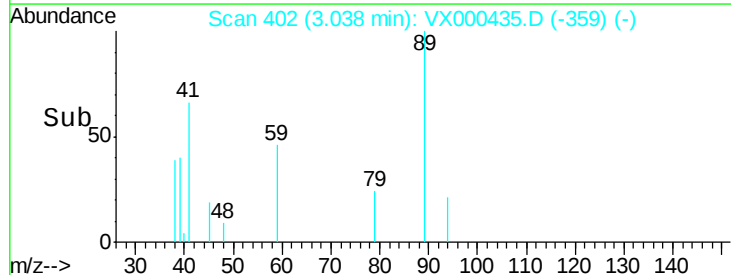
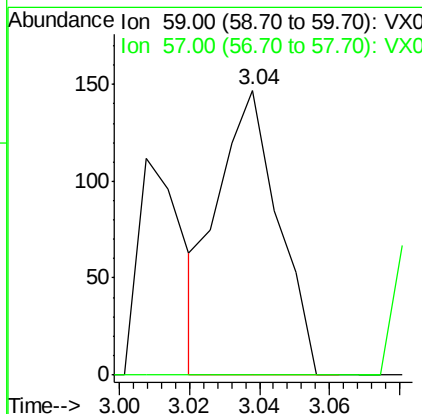
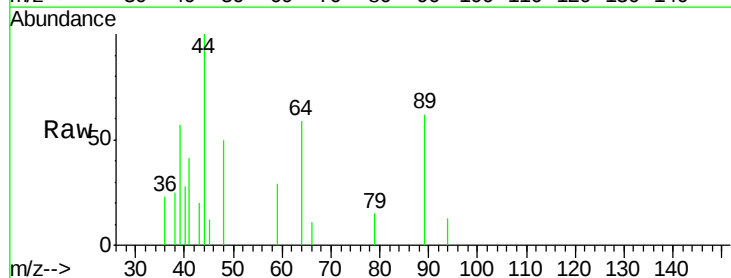
Instrument :
MSVOA_X
ClientSampled :

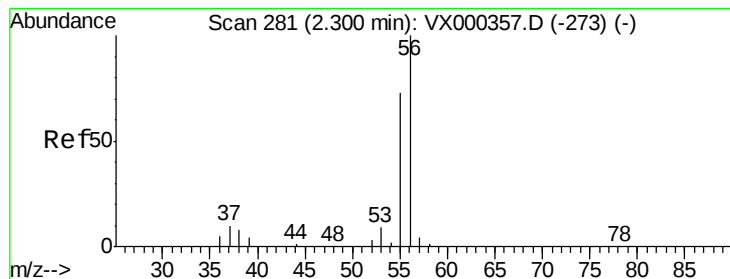
Tot Ion:142 Resp: 103
Ion Ratio Lower Upper
142 100
127 29.1 39.2 58.8#
141 22.3 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.311 ug/l
RT: 3.04 min Scan# 402
Delta R.T. -0.04 min
Lab File: VX000435.D
Acq: 26 Mar 2018 12:13

Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#13

Acrolein

Concen: 14.745 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000435.D

Acq: 26 Mar 2018 12:13

Instrument :

MSVOA_X

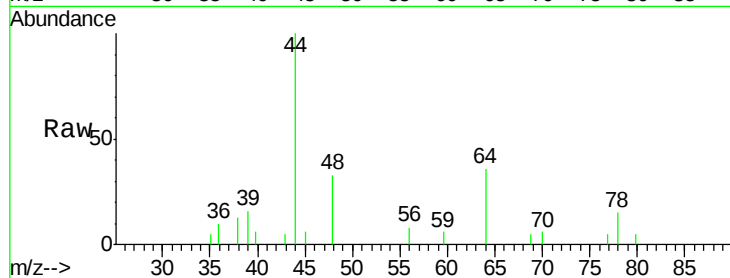
ClientSampled :

Tot Ion: 56 Resp: 32

Ion Ratio Lower Upper

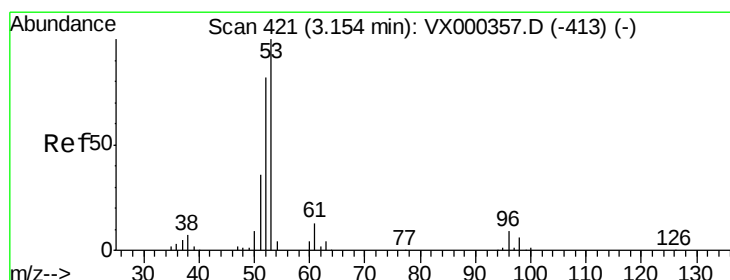
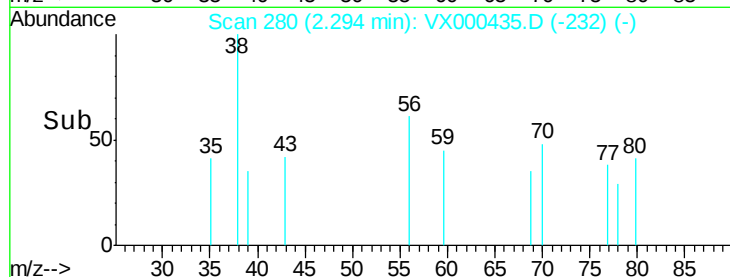
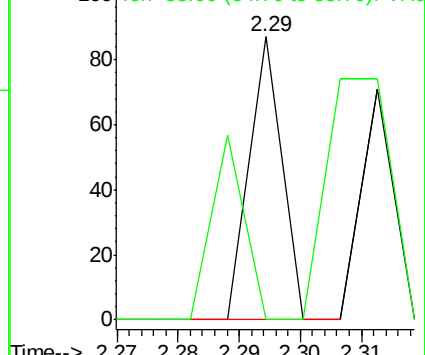
56 100

55 65.6 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: 0.427 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX000435.D

Acq: 26 Mar 2018 12:13

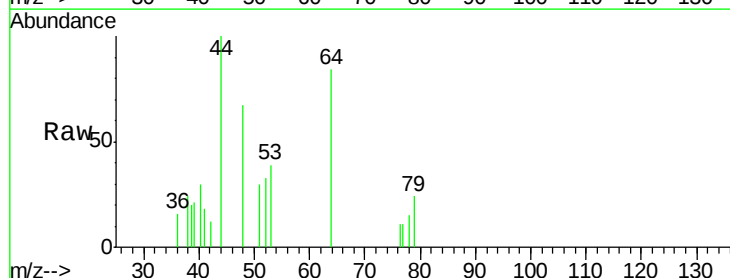
Tgt Ion: 53 Resp: 490

Ion Ratio Lower Upper

53 100

52 59.2 66.6 99.8#

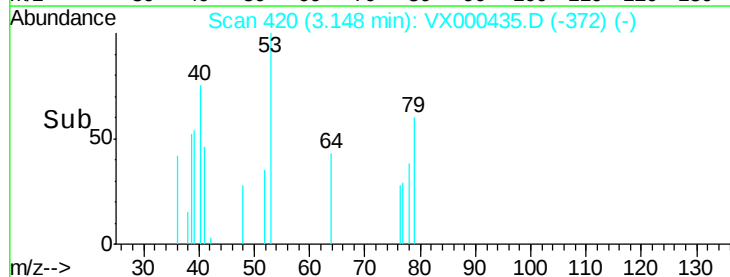
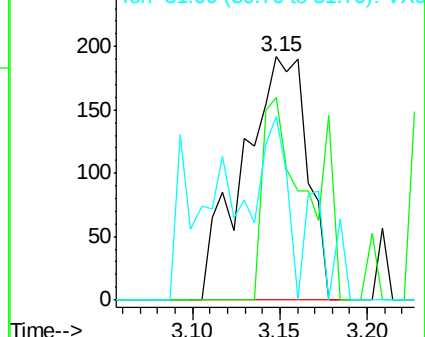
51 27.6 29.3 43.9#

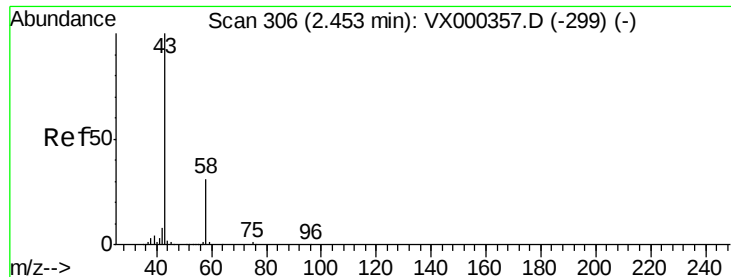


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.265 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000435.D

Acq: 26 Mar 2018 12:13

Instrument :

MSVOA_X

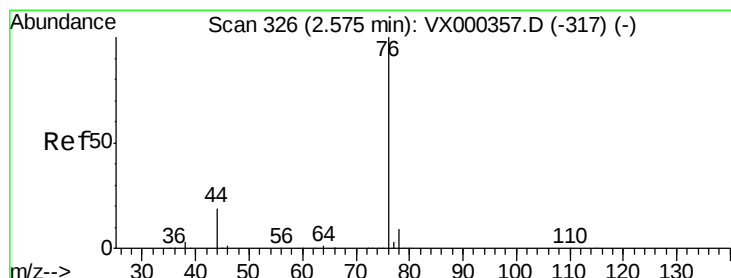
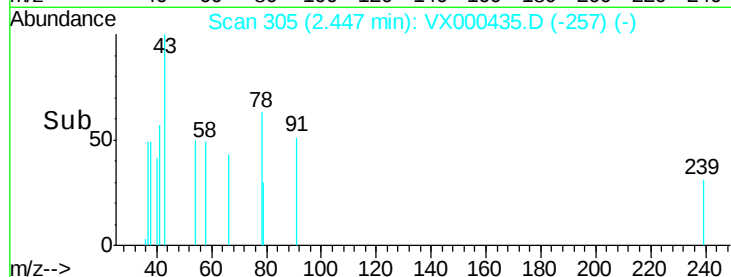
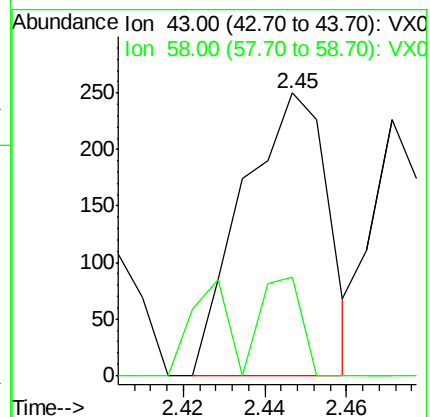
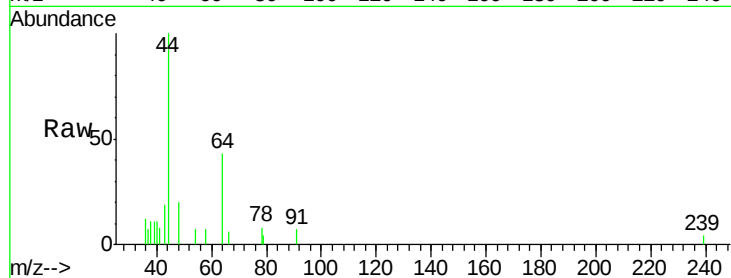
ClientSampleId :

Tot Ion: 43 Resp: 363

Ion Ratio Lower Upper

43 100

58 34.8 24.7 37.1



#17

Carbon Disulfide

Concen: 0.259 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000435.D

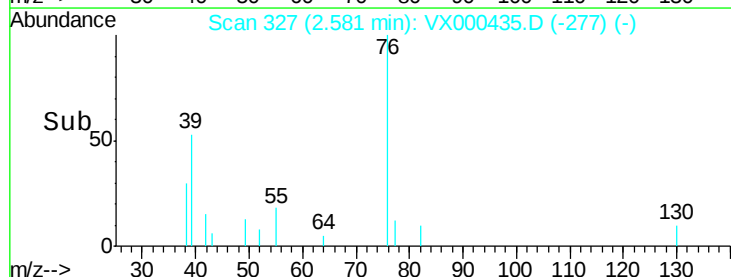
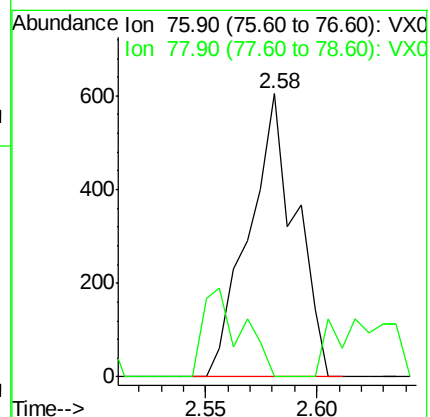
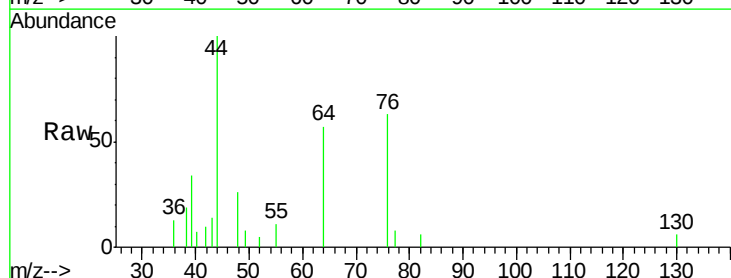
Acq: 26 Mar 2018 12:13

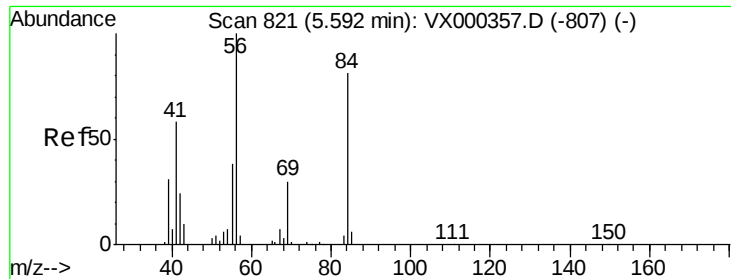
Tgt Ion: 76 Resp: 885

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

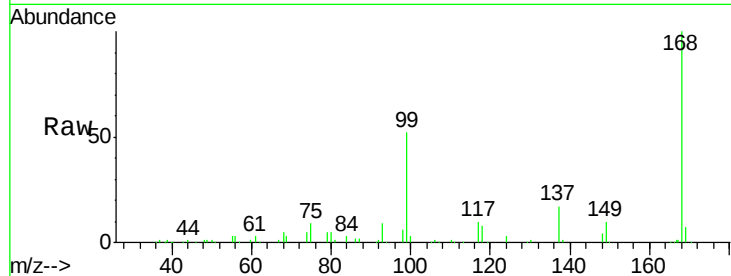




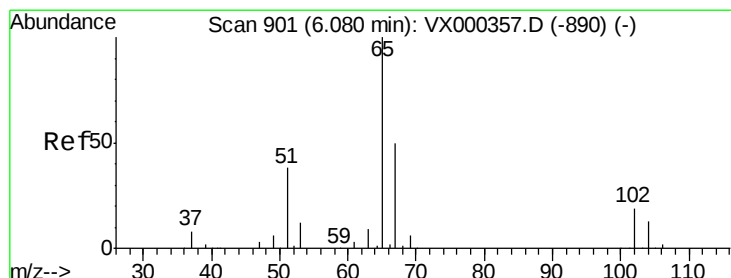
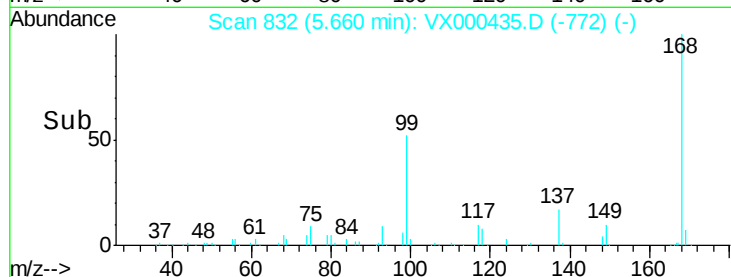
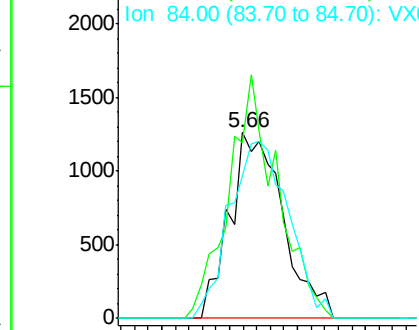
#31
Cyclohexane
Concen: 1.657 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.07 min
Lab File: VX000435.D
Acq: 26 Mar 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 3441
Ion Ratio Lower Upper
56 100
69 94.4 23.4 35.0#
84 76.9 71.0 106.4

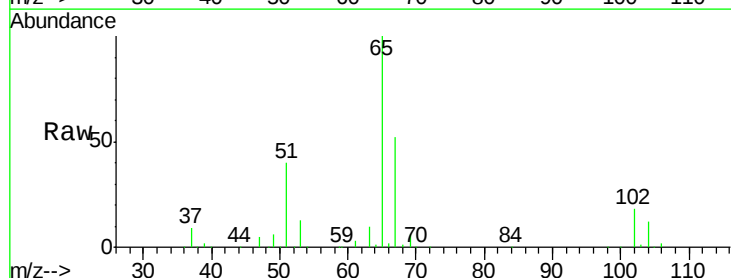


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

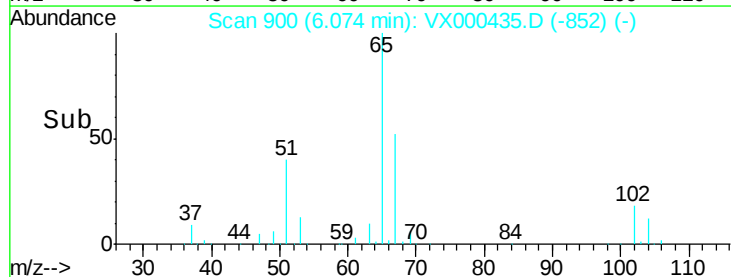
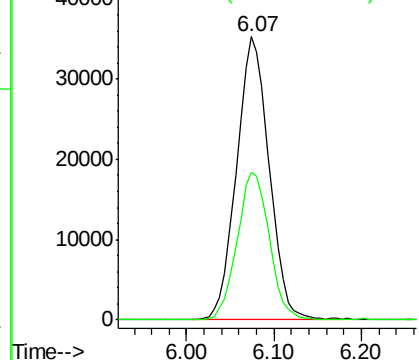


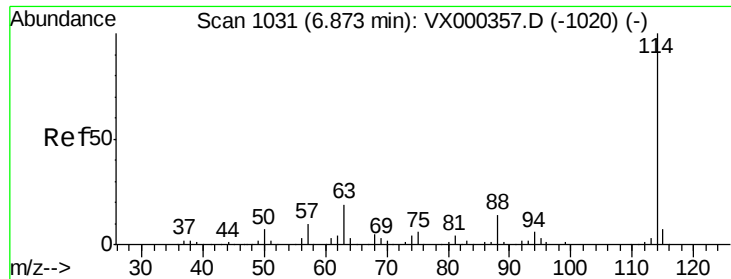
#33
1,2-Dichloroethane-d4
Concen: 55.362 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VX000435.D
Acq: 26 Mar 2018 12:13

Tgt Ion: 65 Resp: 91118
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

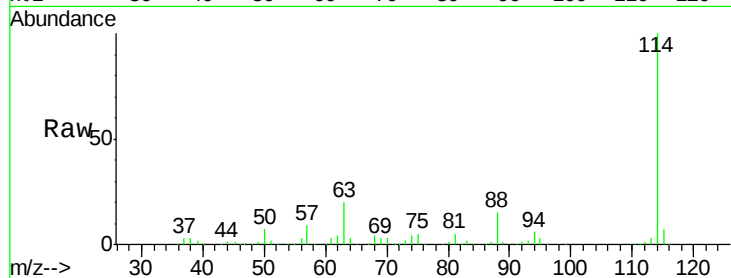




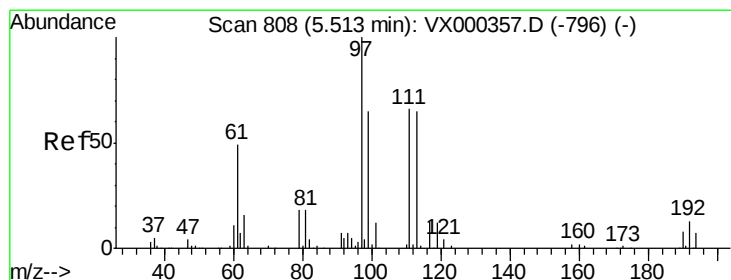
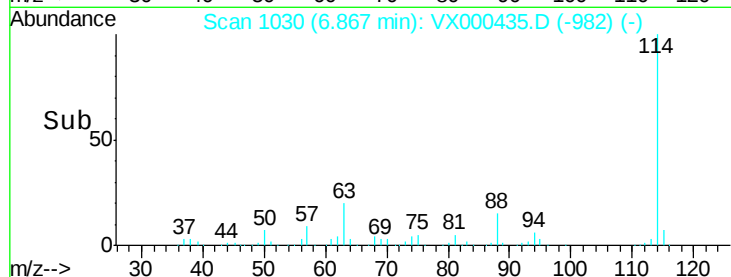
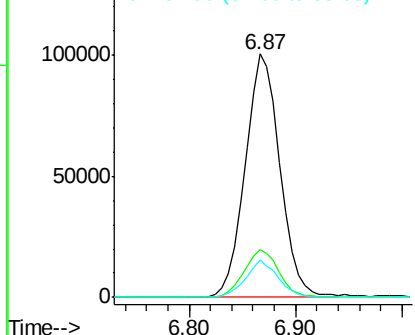
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VX000435.D
Acq: 26 Mar 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 229936
Ion Ratio Lower Upper
114 100
63 19.9 0.0 38.4
88 15.2 0.0 27.0

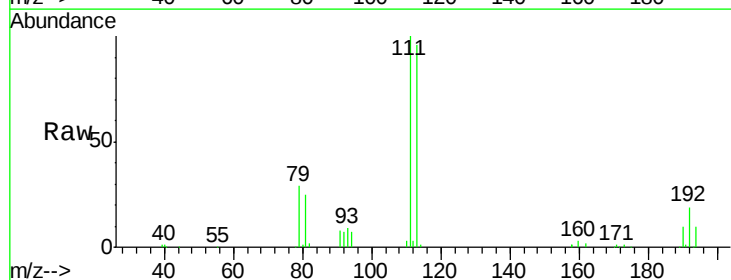


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX
Ion 87.90 (87.60 to 88.60): VX

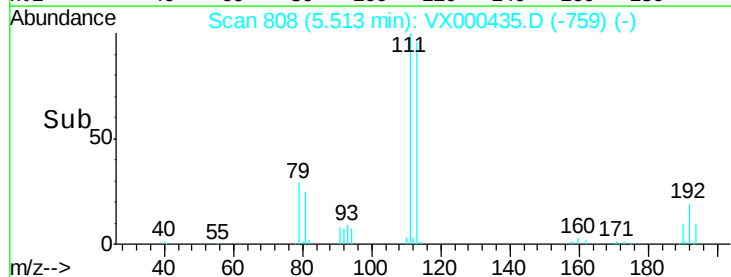
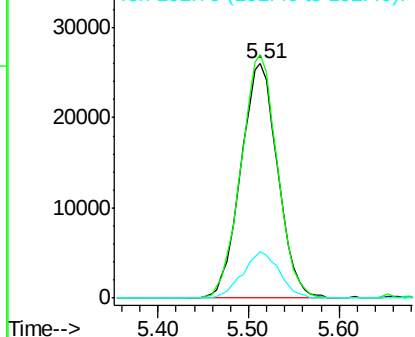


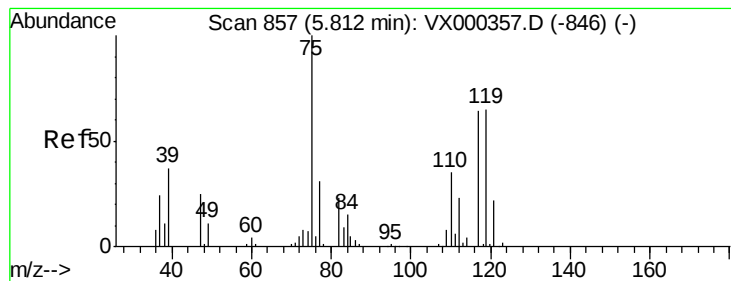
#35
Dibromofluoromethane
Concen: 50.480 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX000435.D
Acq: 26 Mar 2018 12:13

Tgt Ion:113 Resp: 73135
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 19.8 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: 4.813 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000435.D

Acq: 26 Mar 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

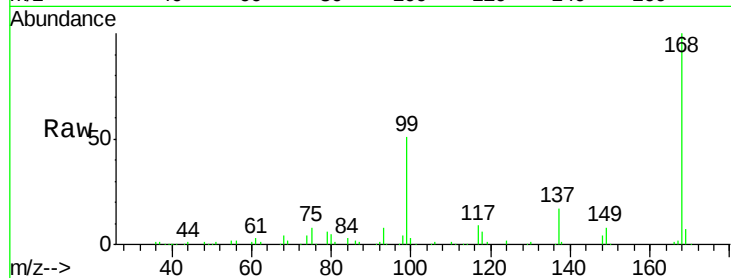
Tot Ion: 75 Resp: 10366

Ion Ratio Lower Upper

75 100

110 8.7 17.9 53.7#

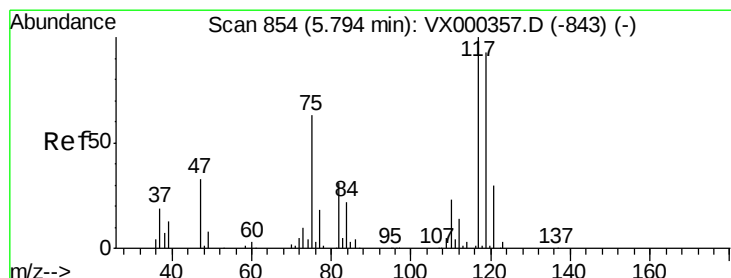
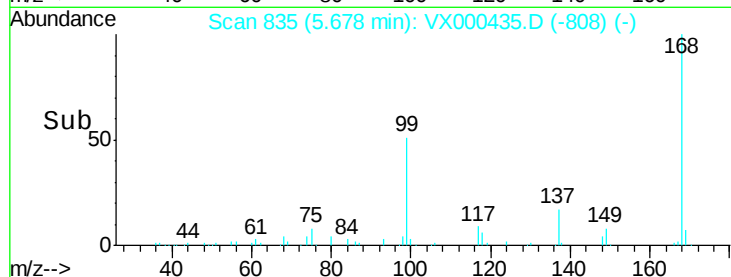
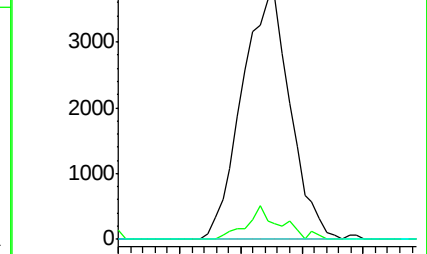
77 0.0 24.0 36.0#



Abundance Ion 74.90 (74.60 to 75.60): VX000357.D (-846) (-)

Ion 109.90 (109.60 to 110.60): VX000357.D (-846) (-)

Ion 76.90 (76.60 to 77.60): VX000357.D (-846) (-)



#38

Carbon Tetrachloride

Concen: 5.649 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX000435.D

Acq: 26 Mar 2018 12:13

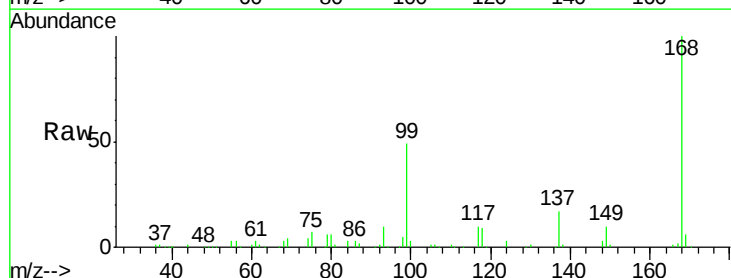
Tgt Ion: 117 Resp: 12765

Ion Ratio Lower Upper

117 100

119 3.3 77.4 116.2#

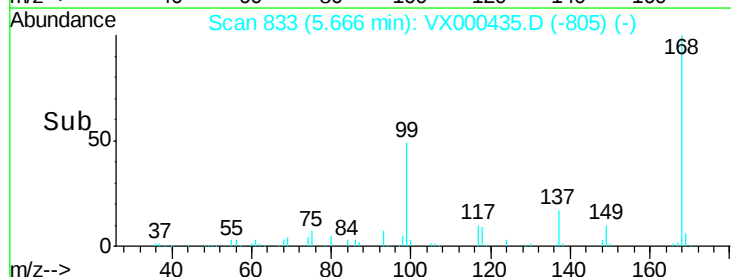
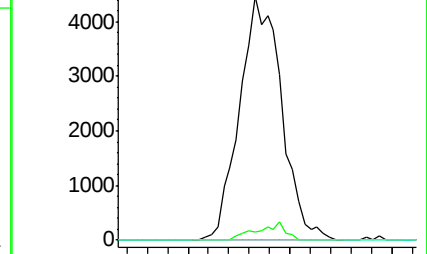
121 0.0 24.8 37.2#

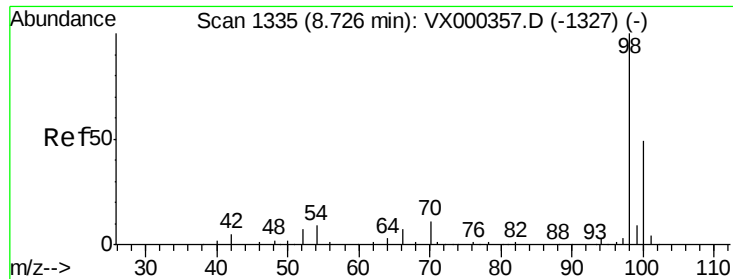


Abundance Ion 116.80 (116.50 to 117.50): VX000357.D (-843) (-)

Ion 118.80 (118.50 to 119.50): VX000357.D (-843) (-)

Ion 120.80 (120.50 to 121.50): VX000357.D (-843) (-)

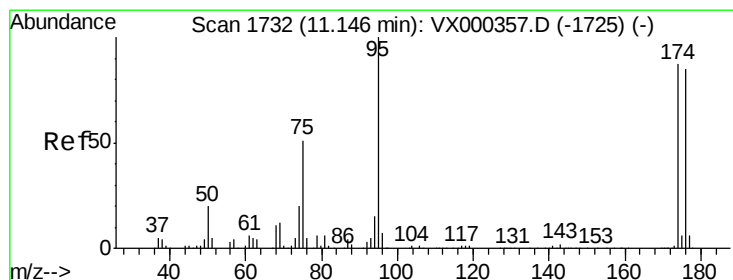
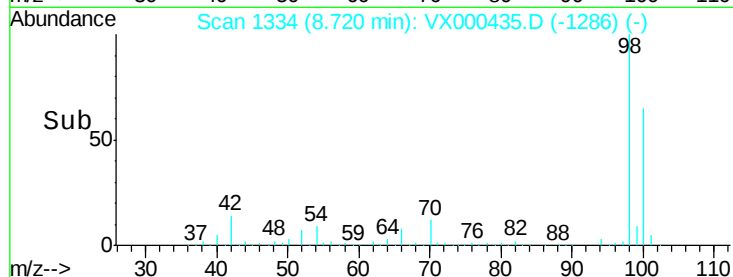
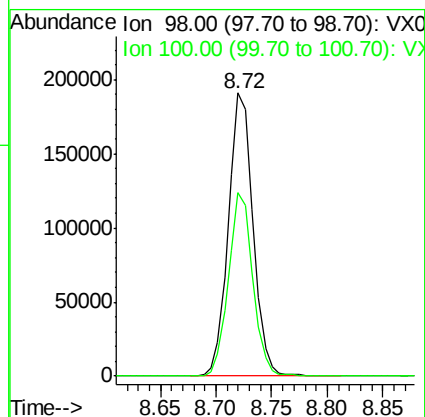
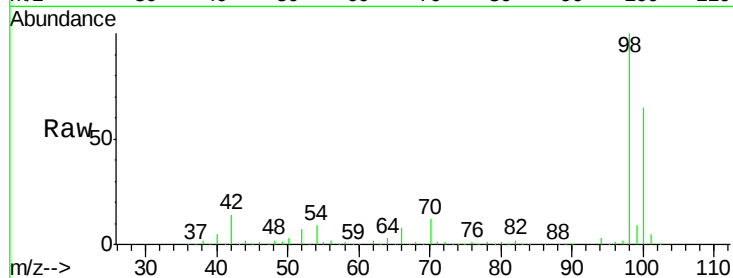




#50
Toluene-d8
Concen: 48.891 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000435.D
Acq: 26 Mar 2018 12:13

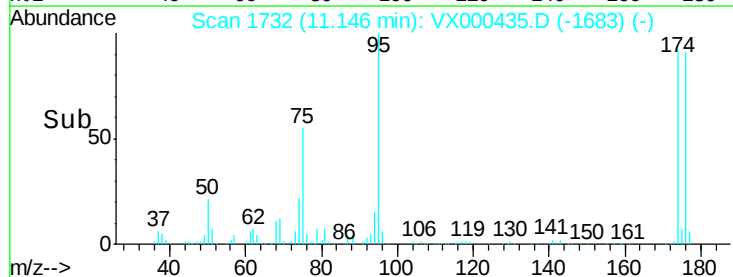
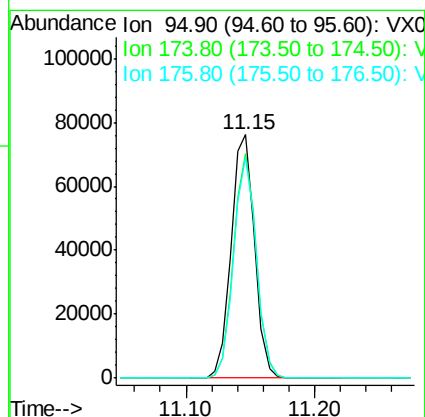
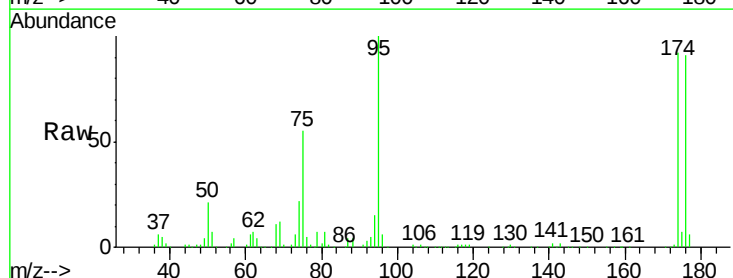
Instrument :
MSVOA_X
ClientSampled :

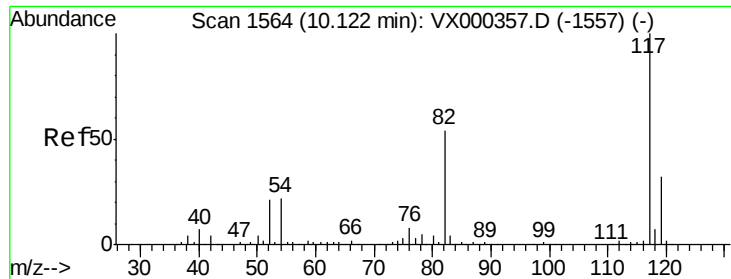
Tot Ion: 98 Resp: 293366
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 39.849 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000435.D
Acq: 26 Mar 2018 12:13

Tgt Ion: 95 Resp: 97409
Ion Ratio Lower Upper
95 100
174 89.6 0.0 173.6
176 87.8 0.0 164.6

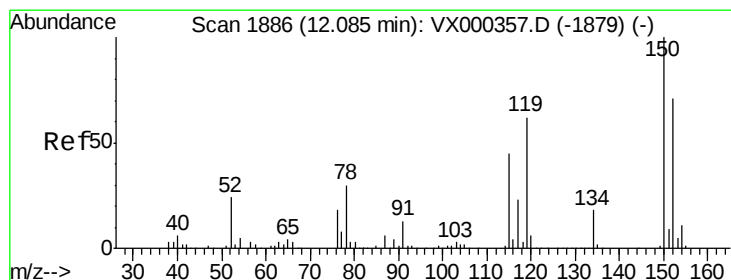
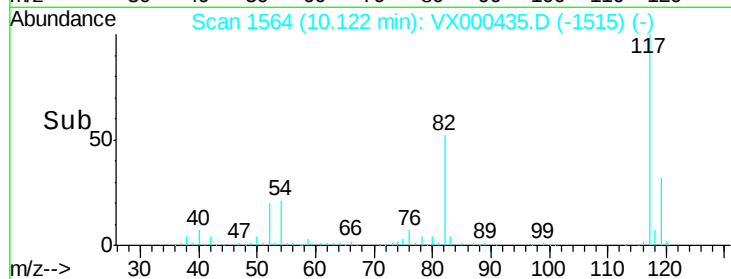
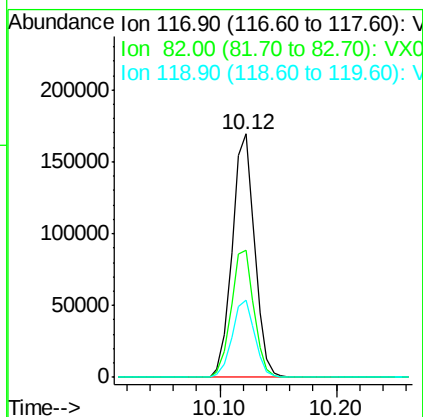
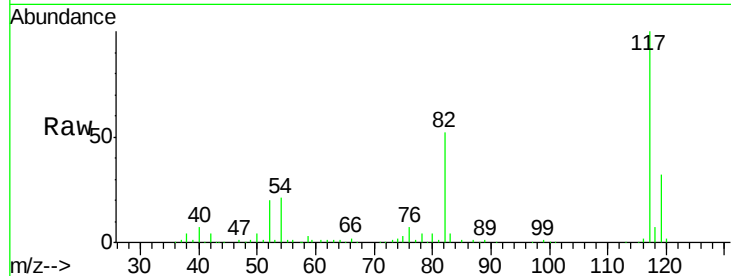




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000435.D
Acq: 26 Mar 2018 12:13

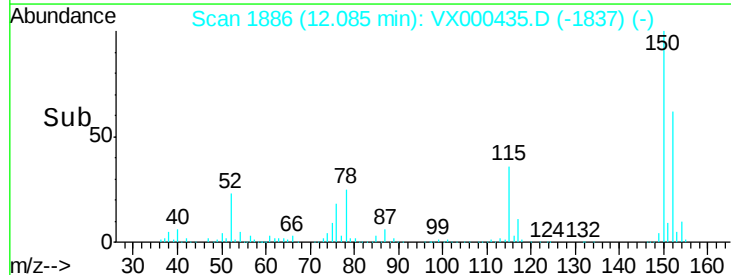
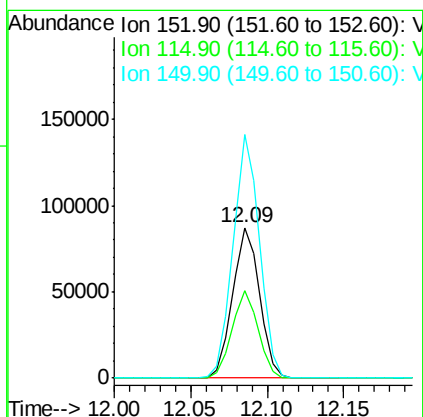
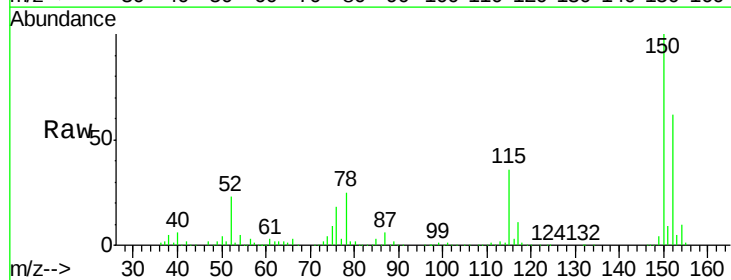
Instrument :
MSVOA_X
ClientSampled :

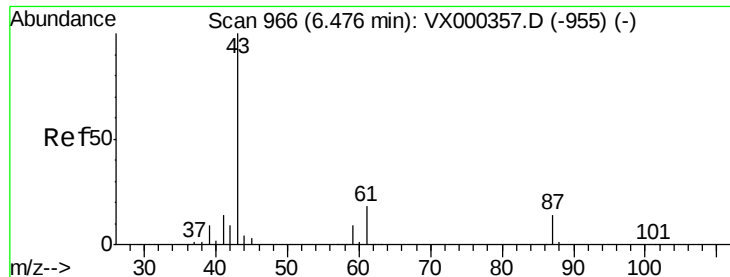
Tot Ion:117 Resp: 227399
Ion Ratio Lower Upper
117 100
82 52.4 43.8 65.8
119 31.6 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000435.D
Acq: 26 Mar 2018 12:13

Tgt Ion:152 Resp: 106106
Ion Ratio Lower Upper
152 100
115 56.6 39.8 119.3
150 158.9 0.0 344.4





#74

N-amvl acetate

Concen: Below Cal

RT: 6.48 min Scan# 967

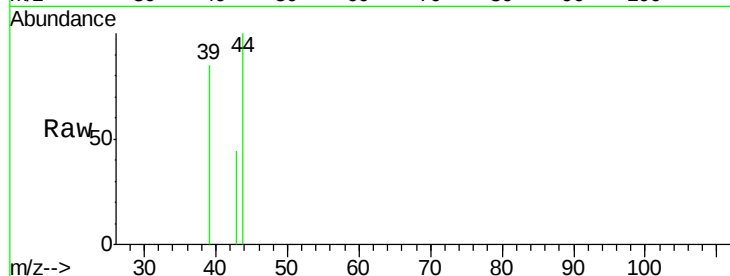
Delta R.T. 0.01 min

Lab File: VX000435.D

Acq: 26 Mar 2018 12:13

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	43	Resp:	26
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#

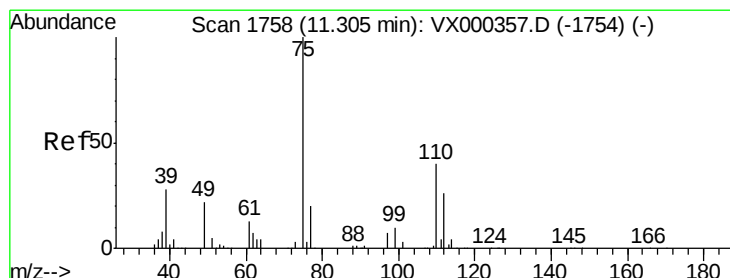
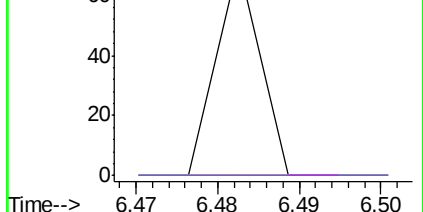
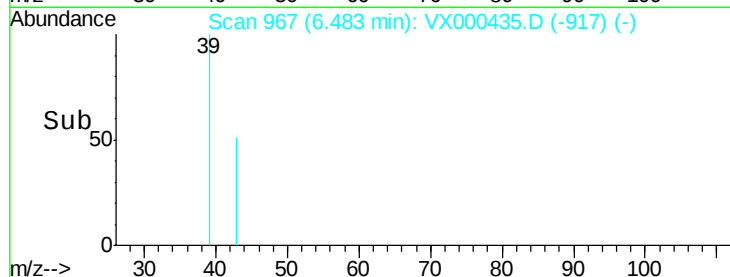


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.143 ug/l

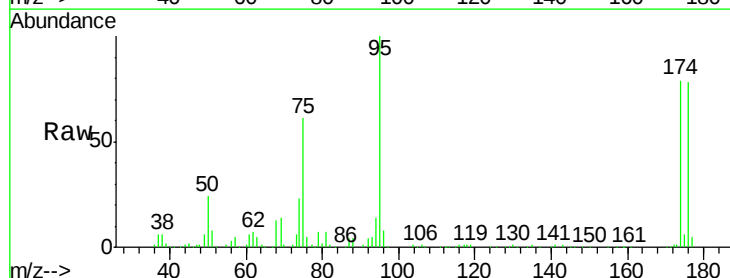
RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000435.D

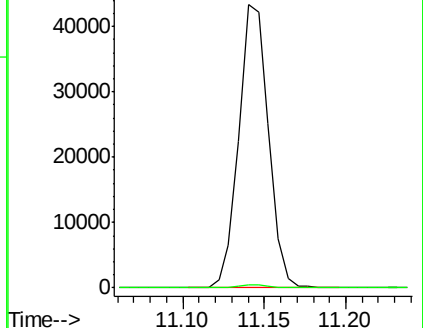
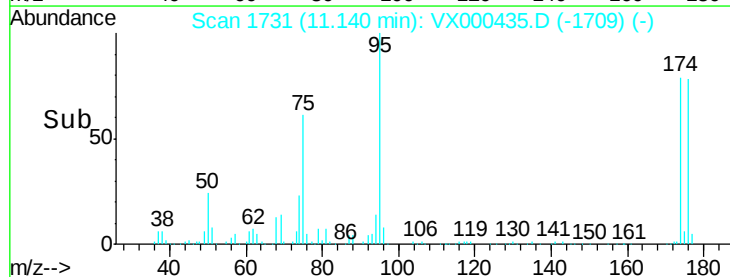
Acq: 26 Mar 2018 12:13

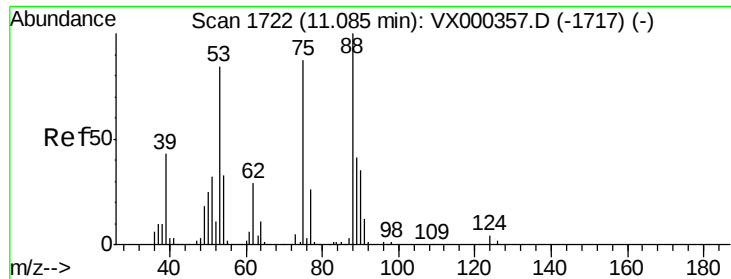
Tgt Ion:	75	Resp:	55055
Ion	Ratio	Lower	Upper
75	100		
77	1.1	21.4	64.2#



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: 78.166 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.05 min

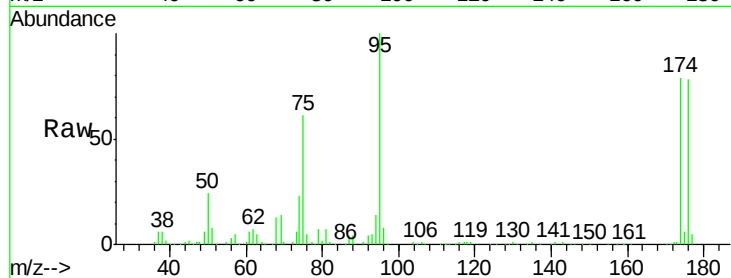
Lab File: VX000435.D

Acq: 26 Mar 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :



Tot Ion:	75	Resp:	55055
Ion	Ratio	Lower	Upper
75	100		
53	0.0	80.7	121.1#
89	0.0	39.4	59.0#

