

Data File : VX001562.D
Acq On : 09 May 2018 18:26
Operator : JC/MD
Sample : J2732-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RAV-GT-106

Quant Time: May 10 04:17:06 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	229506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	311708	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	272486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	146436	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	191938	58.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.38%	
35) Dibromofluoromethane	5.51	113	149155	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
50) Toluene-d8	8.72	98	522659	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.14	95	168520	43.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.76%	

Target Compounds				Qvalue		
5) Bromomethane	1.66	94	1025	Below Cal		85
10) Methyl Iodide	2.52	142	1539	0.38 ug/l	#	87
11) Tert butyl alcohol	3.03	59	3827	5.50 ug/l	#	76
13) Acrolein	2.30	56	69	Below Cal	#	1
14) Allyl chloride	2.63	41	4133	0.87 ug/l	#	61
16) Acetone	2.45	43	6516	4.35 ug/l		99
18) Methyl Acetate	2.78	43	809	0.21 ug/l	#	83
20) Methylene Chloride	2.86	84	861	0.29 ug/l	#	81
25) 2-Butanone	4.72	43	1580	0.73 ug/l	#	87
26) 2,2-Dichloropropane	4.79	77	1084	0.28 ug/l	#	53
31) Cyclohexane	5.67	56	3999	0.94 ug/l	#	35
36) 1,1-Dichloropropene	5.67	75	14585	3.68 ug/l	#	50
38) Carbon Tetrachloride	5.67	117	19711	4.66 ug/l	#	15
54) cis-1,3-Dichloropropene	9.05	75	59	2.28 ug/l	#	35
76) 1,2,3-Trichloropropane	11.14	75	85244	28.70 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	85244	87.95 ug/l	#	7

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

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Instrument :

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Client Sample ID :

RAV-GT-106

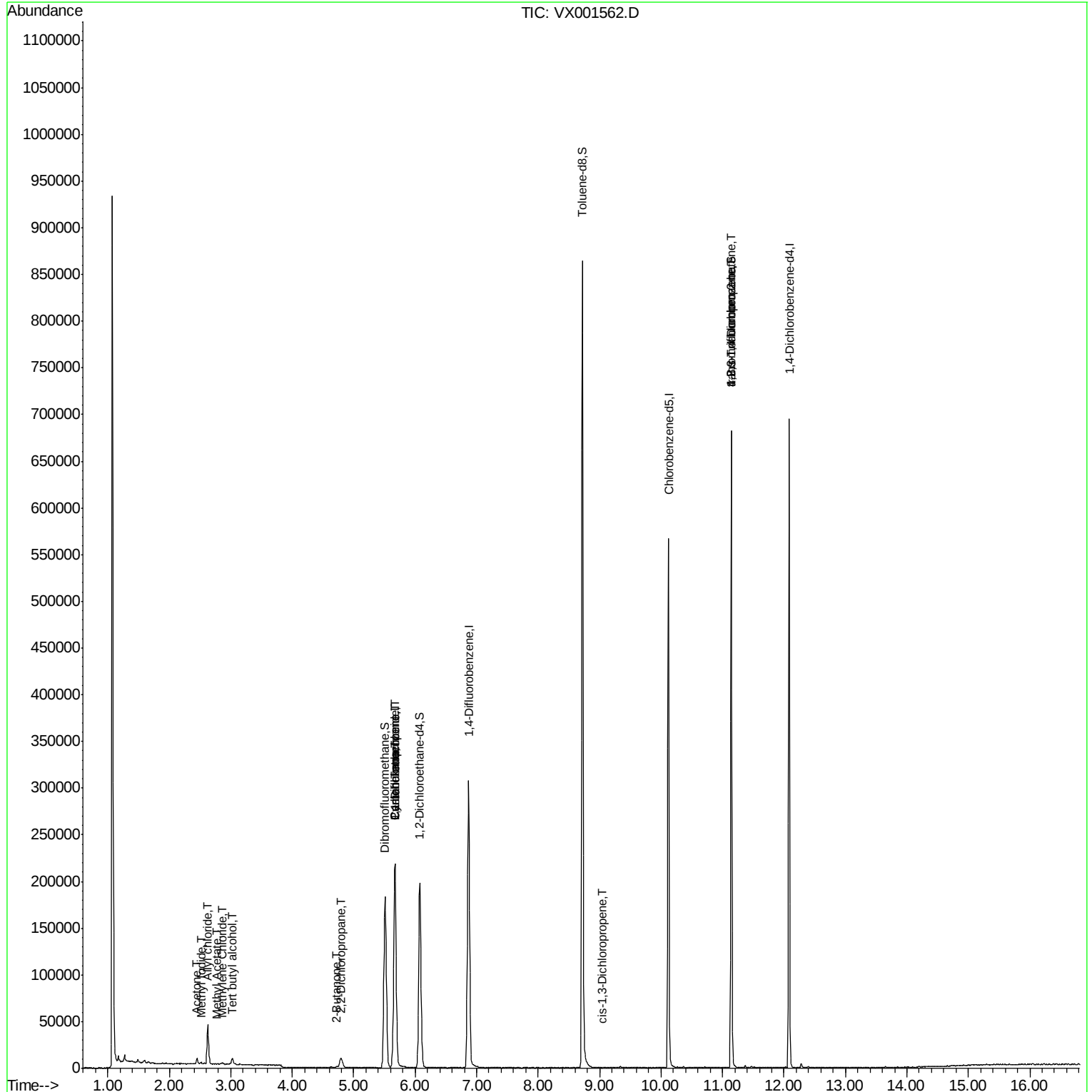
Quant Time: May 10 04:17:06 2018

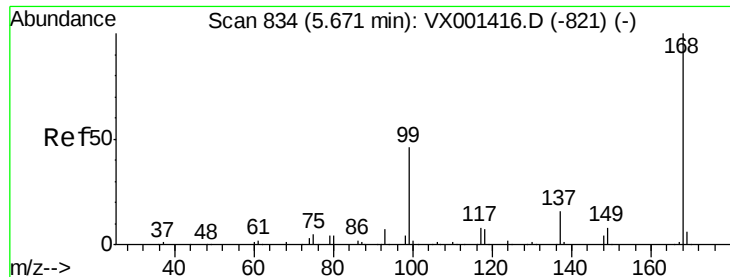
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

Quant Title : SW846 8260

QLast Update : Sun May 06 07:59:25 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001562.D

Acq: 09 May 2018 18:26

Instrument :

MSVOA_X

ClientSampleId :

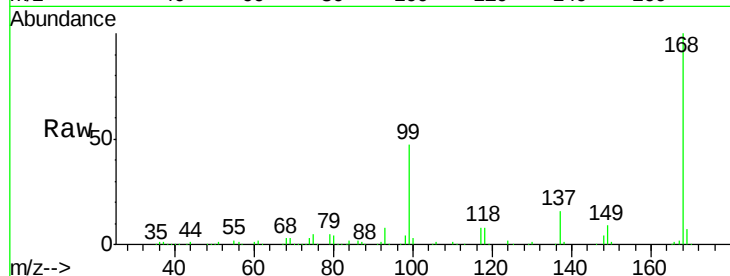
RAV-GT-106

Tgt Ion:168 Resp: 229506

Ion Ratio Lower Upper

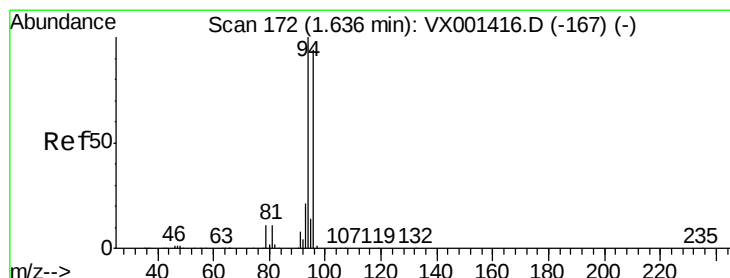
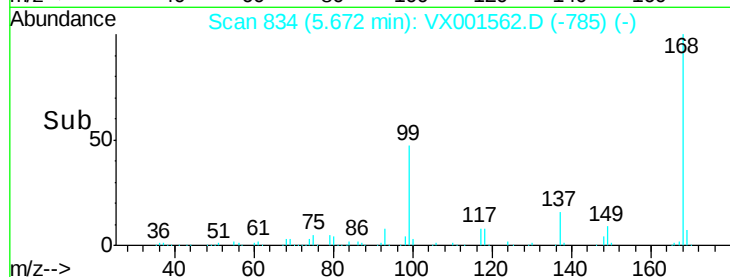
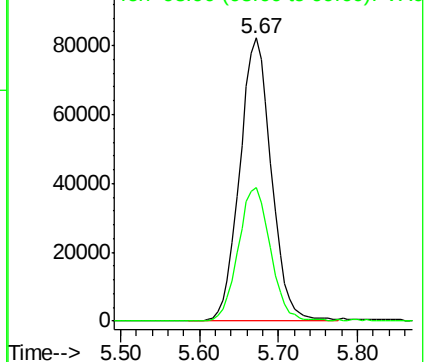
168 100

99 47.2 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001562.D

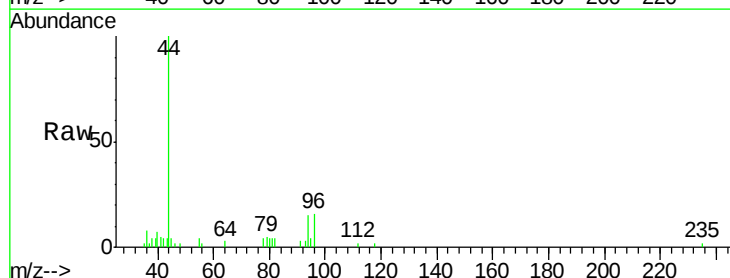
Acq: 09 May 2018 18:26

Tgt Ion: 94 Resp: 1025

Ion Ratio Lower Upper

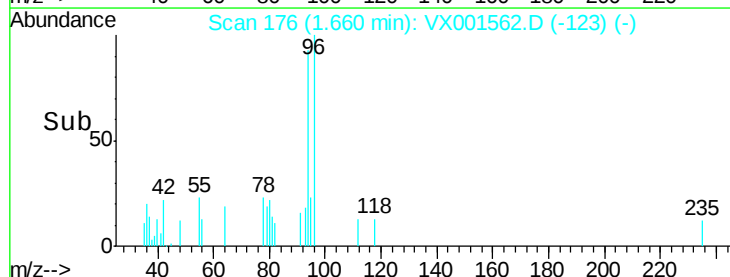
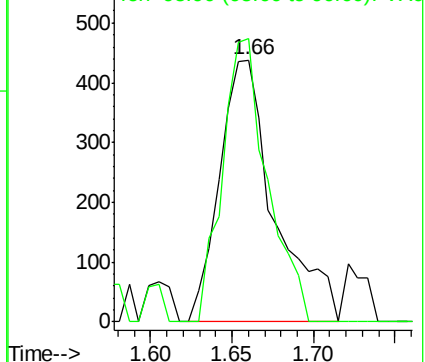
94 100

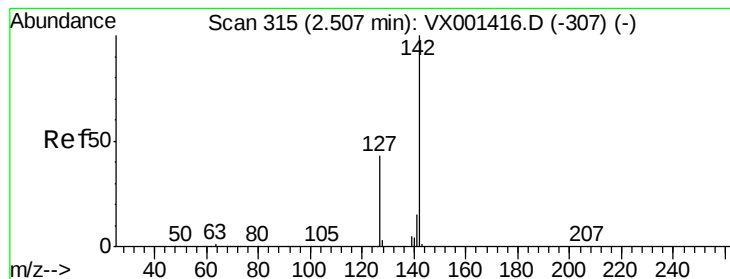
96 108.0 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 0.38 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001562.D

Acq: 09 May 2018 18:26

Instrument :

MSVOA_X

ClientSampled :

RAV-GT-106

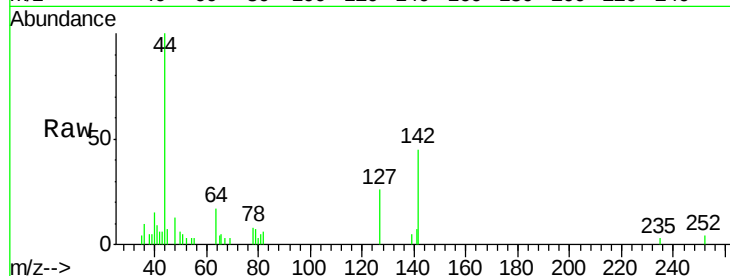
Tgt Ion:142 Resp: 1539

Ion Ratio Lower Upper

142 100

127 50.4 33.6 50.4#

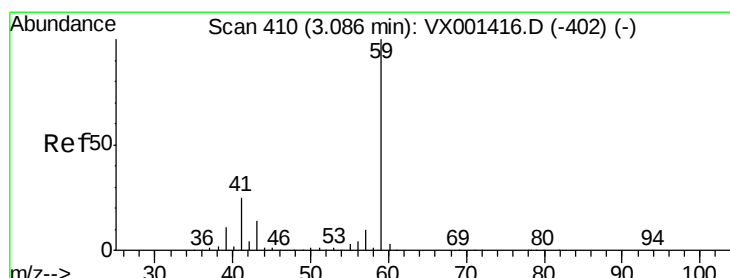
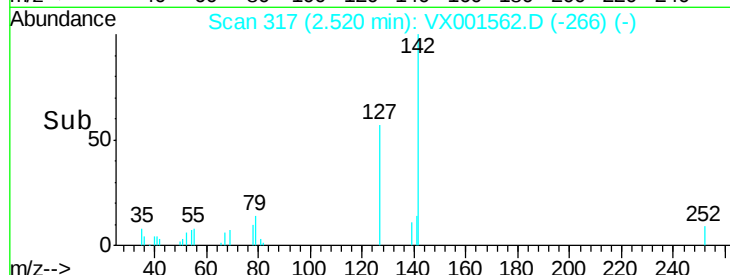
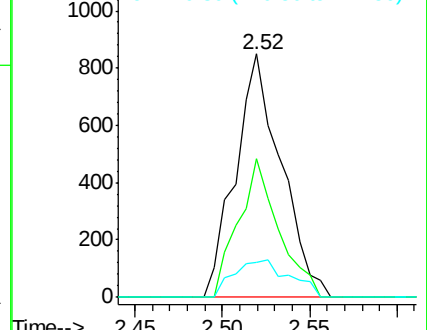
141 18.5 11.4 17.2#



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: 5.50 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX001562.D

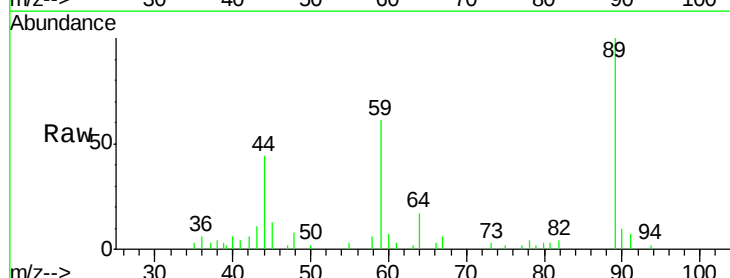
Acq: 09 May 2018 18:26

Tgt Ion: 59 Resp: 3827

Ion Ratio Lower Upper

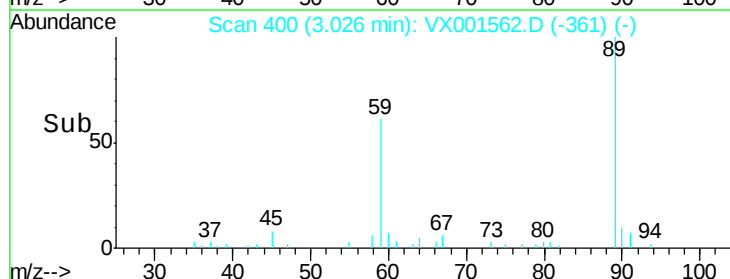
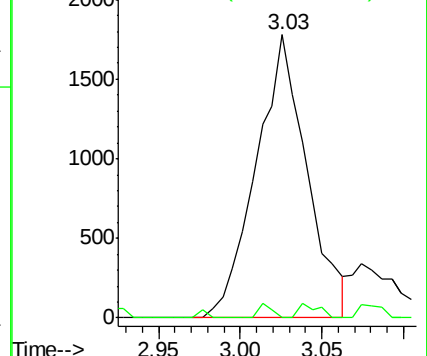
59 100

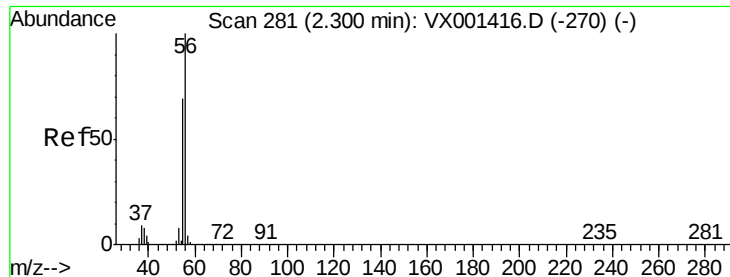
57 1.4 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001562.D

Acq: 09 May 2018 18:26

Instrument :

MSVOA_X

ClientSampled :

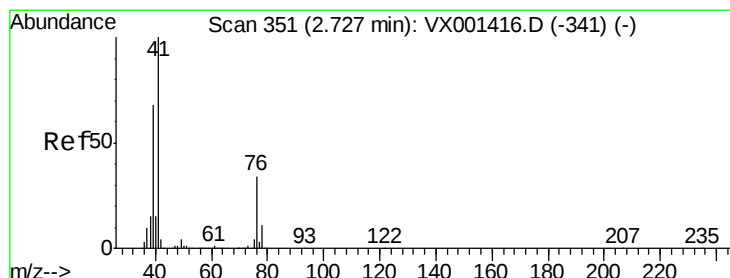
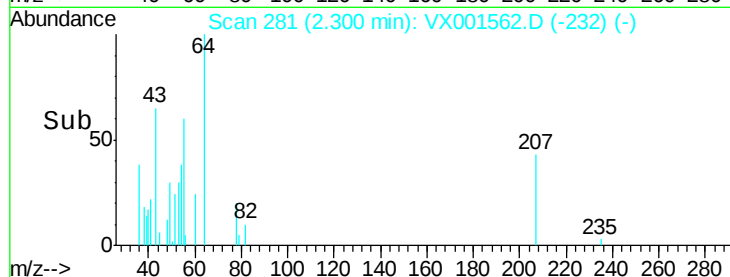
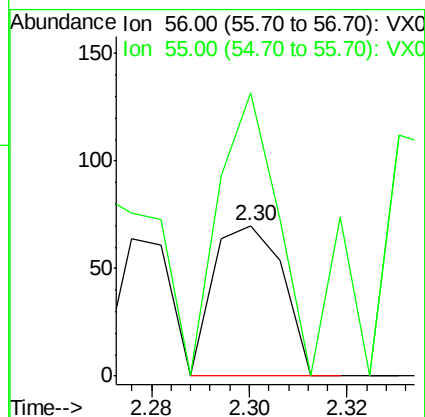
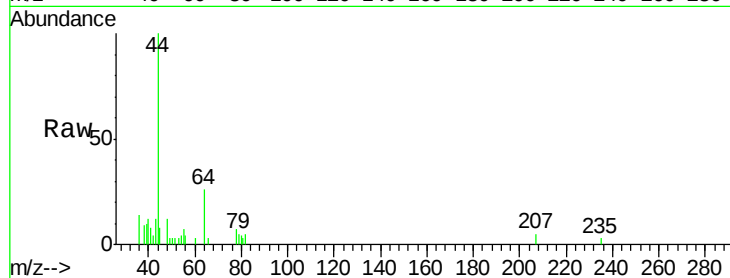
RAV-GT-106

Tgt Ion: 56 Resp: 69

Ion Ratio Lower Upper

56 100

55 158.0 54.5 81.7#



#14

Allyl chloride

Concen: 0.87 ug/l

RT: 2.63 min Scan# 335

Delta R.T. -0.10 min

Lab File: VX001562.D

Acq: 09 May 2018 18:26

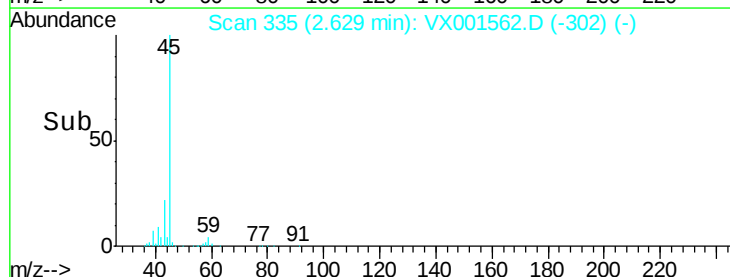
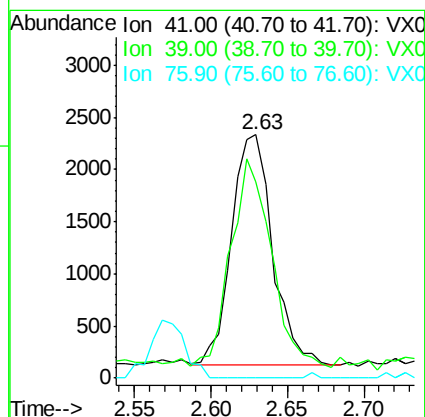
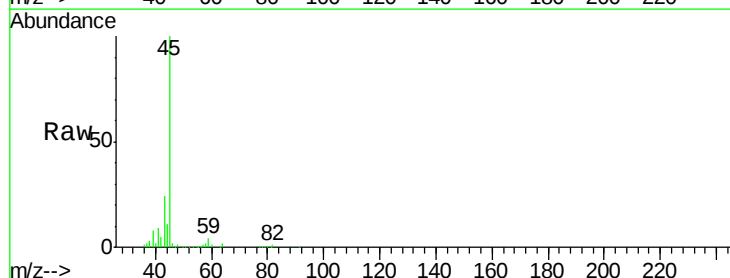
Tgt Ion: 41 Resp: 4133

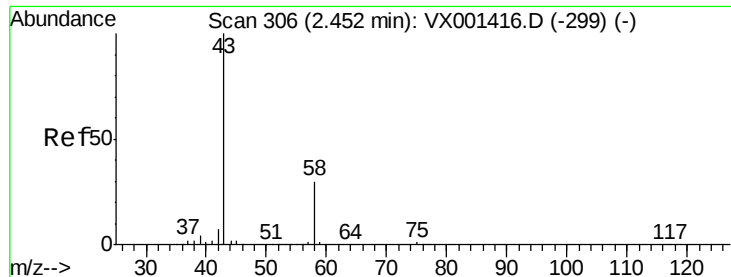
Ion Ratio Lower Upper

41 100

39 89.6 52.4 78.6#

76 0.0 25.8 38.6#

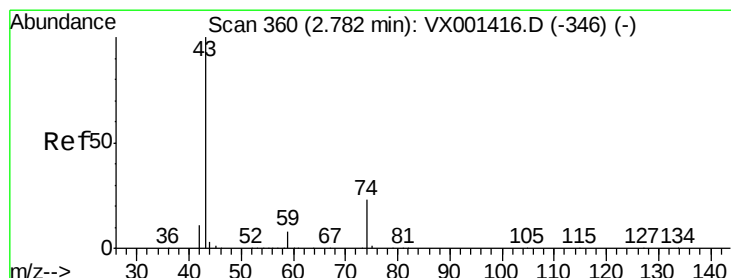
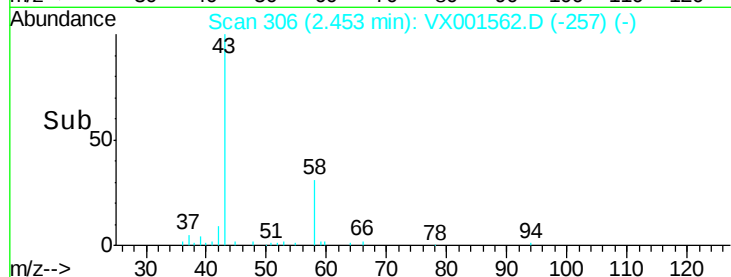
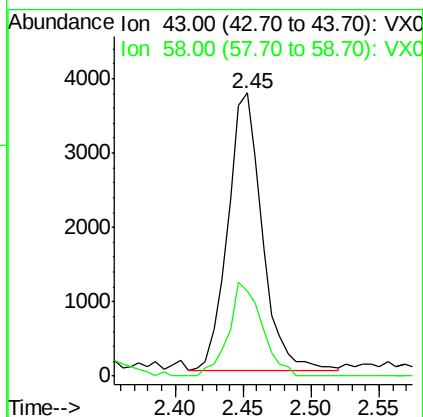
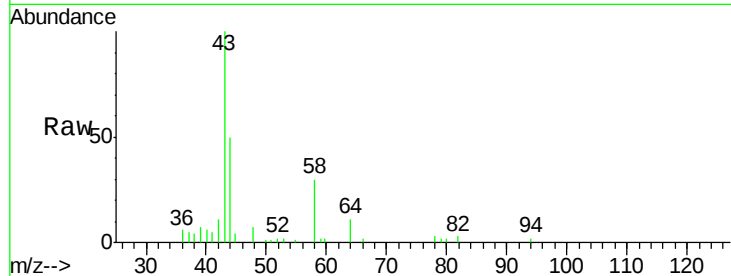




#16
Acetone
Concen: 4.35 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX001562.D
Acq: 09 May 2018 18:26

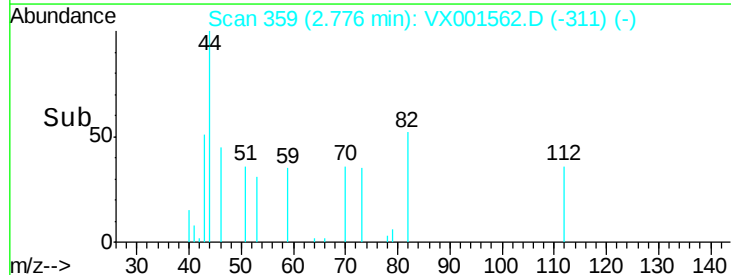
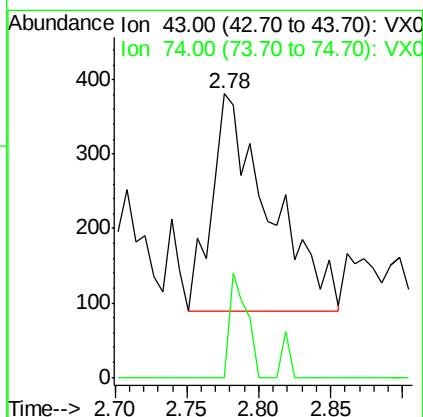
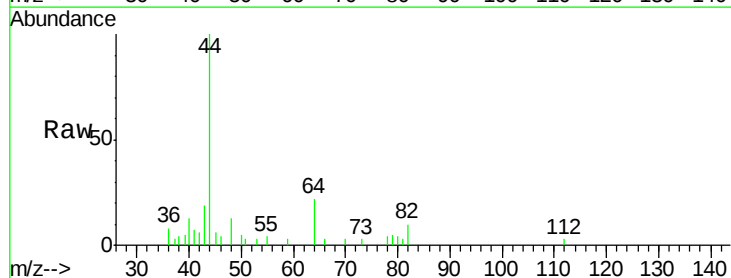
Instrument :
MSVOA_X
ClientSampleId :
RAV-GT-106

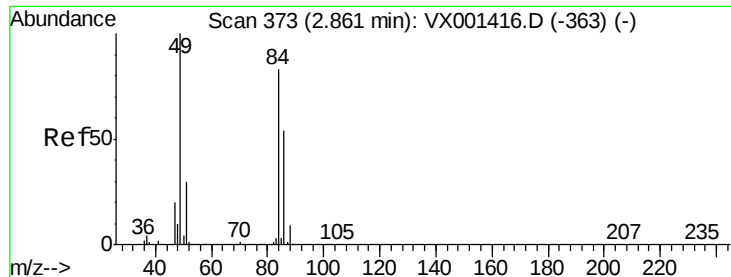
Tgt Ion: 43 Resp: 6516
Ion Ratio Lower Upper
43 100
58 30.6 23.8 35.8



#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX001562.D
Acq: 09 May 2018 18:26

Tgt Ion: 43 Resp: 809
Ion Ratio Lower Upper
43 100
74 14.7 18.6 27.8#

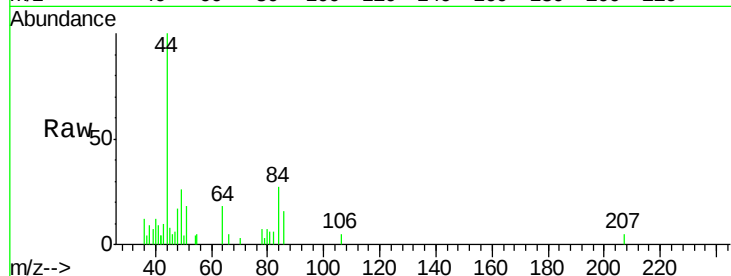




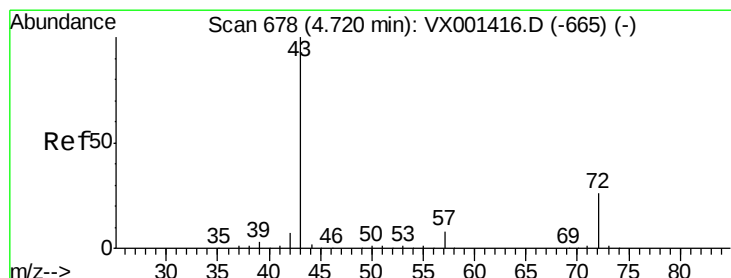
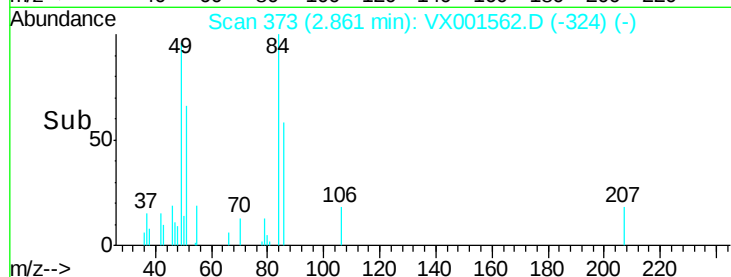
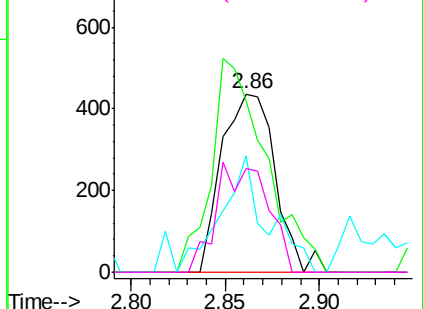
#20
Methylene Chloride
Concen: 0.29 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001562.D
Acq: 09 May 2018 18:26

Instrument :
MSVOA_X
ClientSampleId :
RAV-GT-106

Tgt Ion:	84	Resp:	861
Ion	Ratio	Lower	Upper
84	100		
49	96.1	96.6	144.8#
51	51.8	29.0	43.4#
86	58.5	52.2	78.4

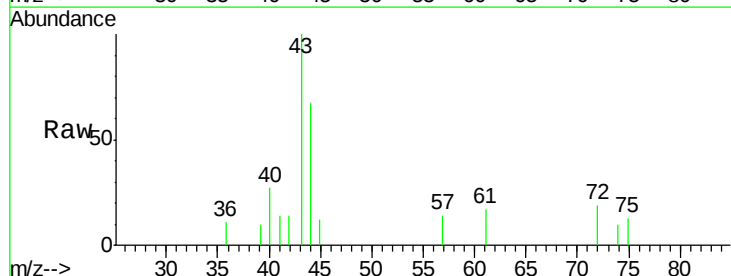


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

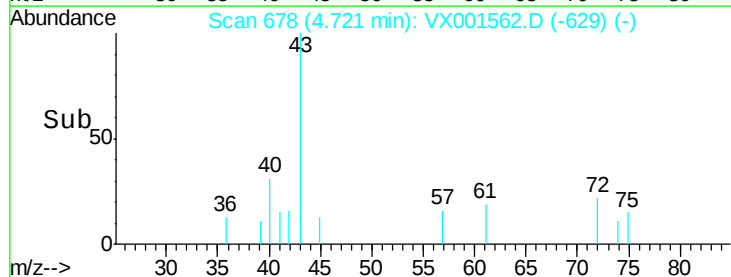
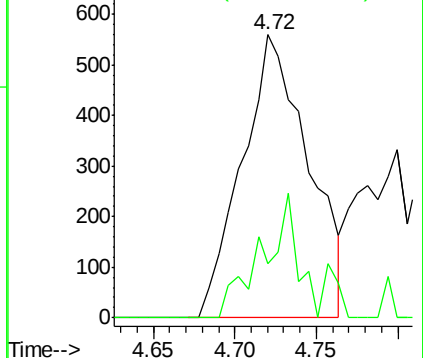


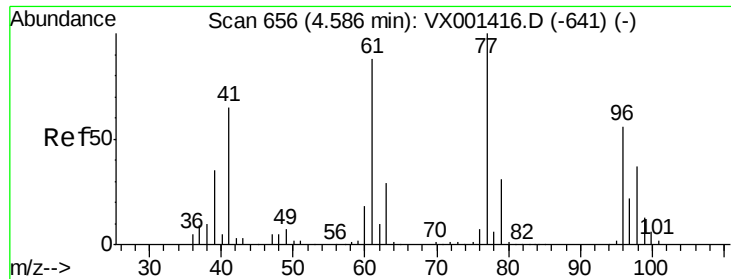
#25
2-Butanone
Concen: 0.73 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.00 min
Lab File: VX001562.D
Acq: 09 May 2018 18:26

Tgt Ion:	43	Resp:	1580
Ion	Ratio	Lower	Upper
43	100		
72	19.1	20.7	31.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

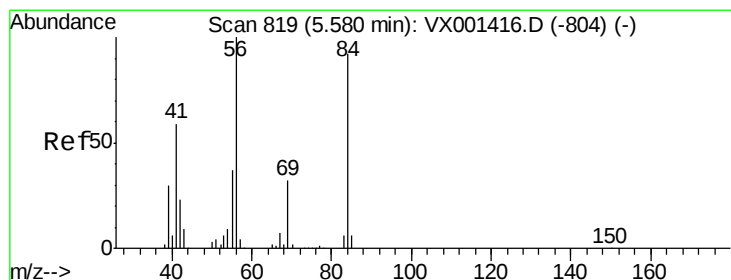
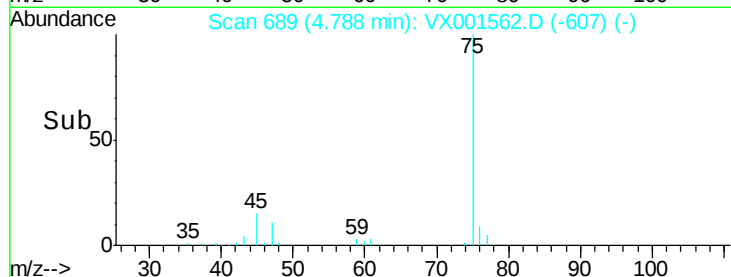
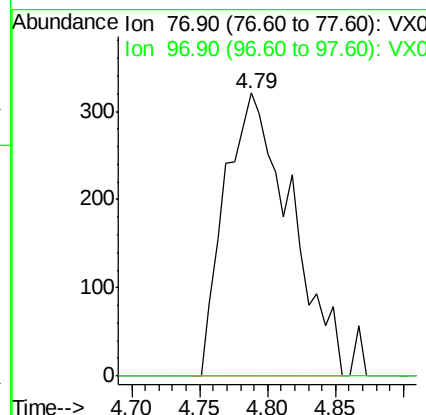
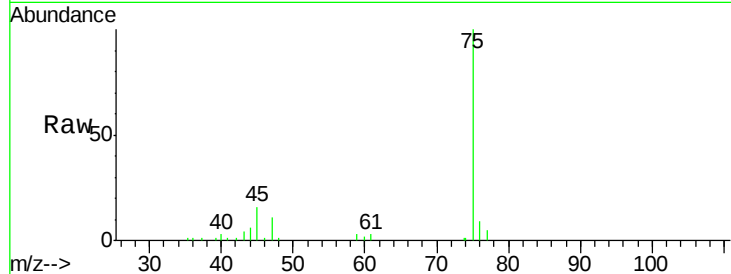




#26
 2,2-Dichloropropane
 Concen: 0.28 ug/l
 RT: 4.79 min Scan# 689
 Delta R.T. 0.20 min
 Lab File: VX001562.D
 Acq: 09 May 2018 18:26

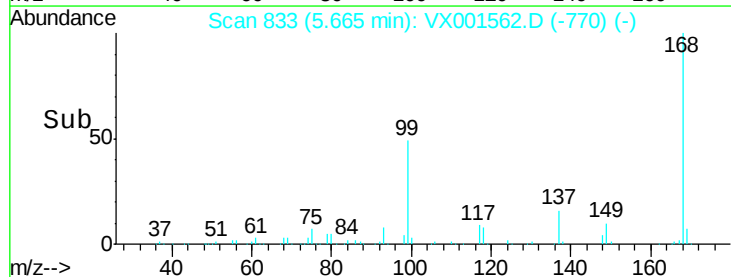
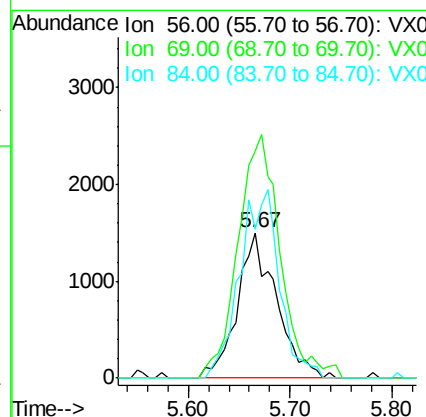
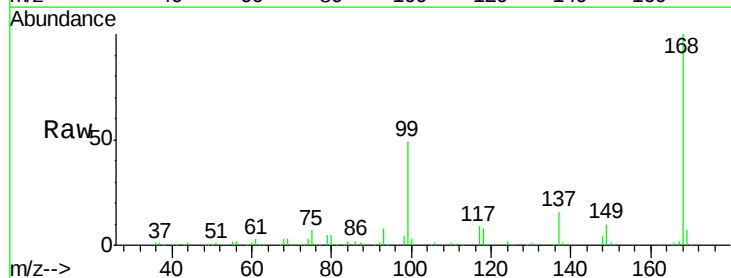
Instrument :
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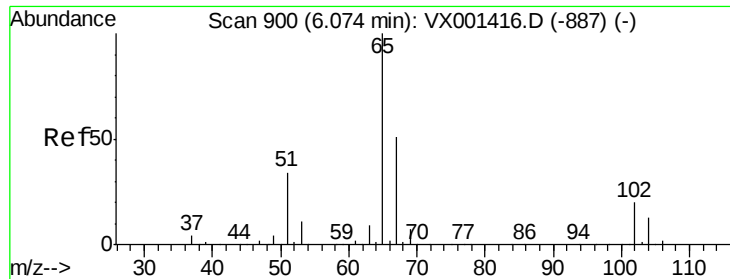
Tgt Ion: 77 Resp: 1084
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.2 33.6#



#31
 Cyclohexane
 Concen: 0.94 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. 0.09 min
 Lab File: VX001562.D
 Acq: 09 May 2018 18:26

Tgt Ion: 56 Resp: 3999
 Ion Ratio Lower Upper
 56 100
 69 156.4 25.4 38.0#
 84 102.3 73.8 110.8

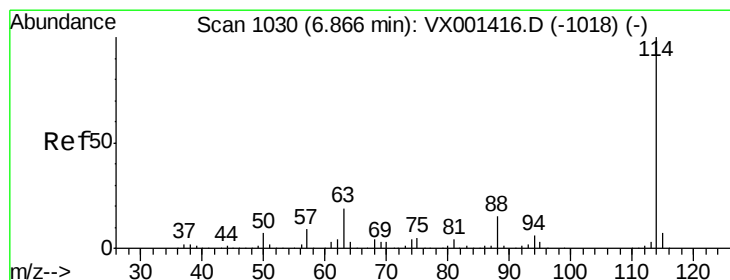
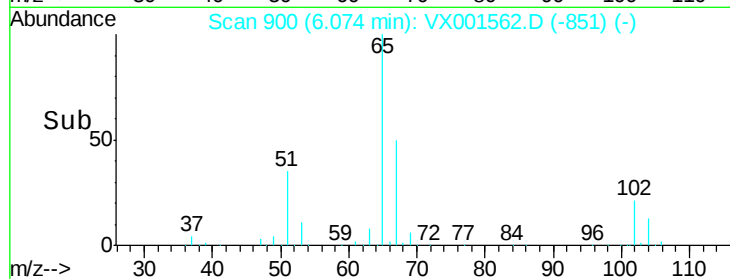
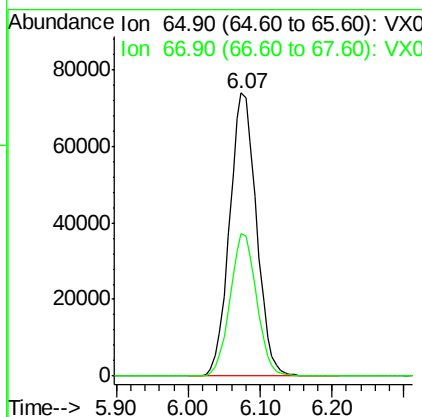
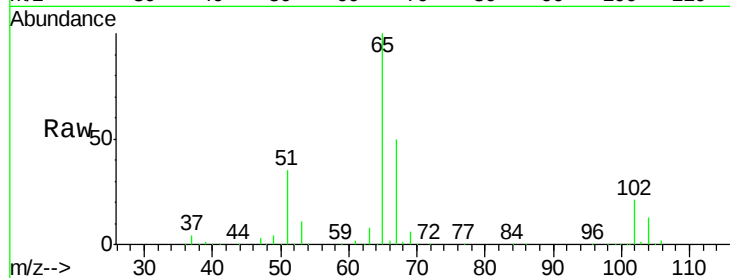




#33
 1,2-Dichloroethane-d4
 Concen: 58.19 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001562.D
 Acq: 09 May 2018 18:26

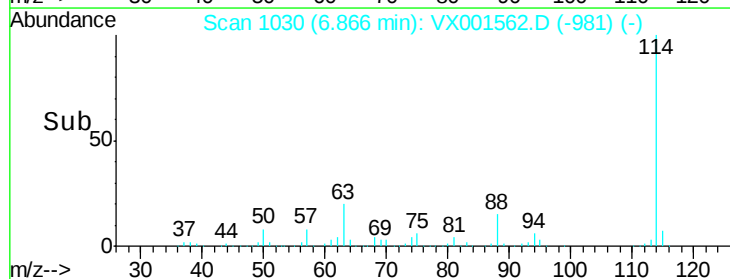
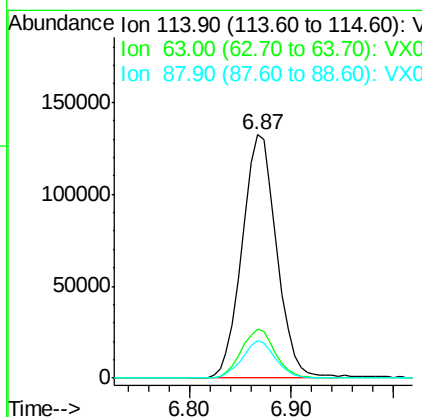
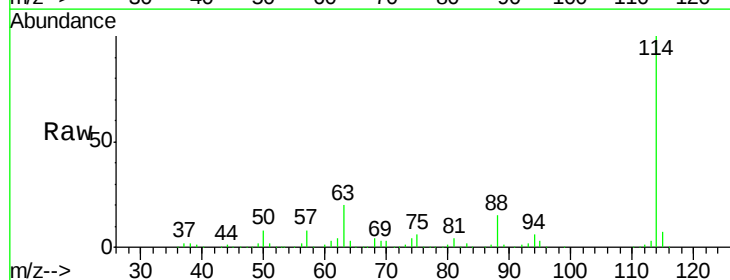
Instrument :
 MSVOA_X
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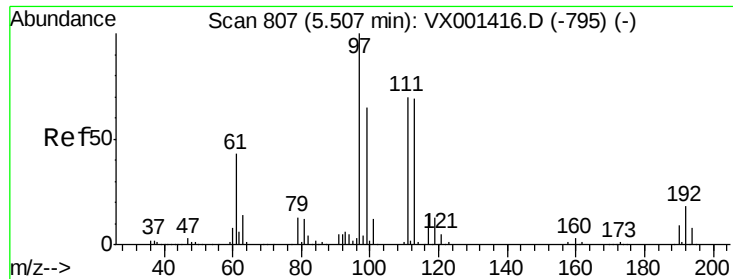
Tgt Ion: 65 Resp: 191938
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001562.D
 Acq: 09 May 2018 18:26

Tgt Ion: 114 Resp: 311708
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.6
 88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.80 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001562.D

Acq: 09 May 2018 18:26

Instrument :

MSVOA_X

ClientSampled :

RAV-GT-106

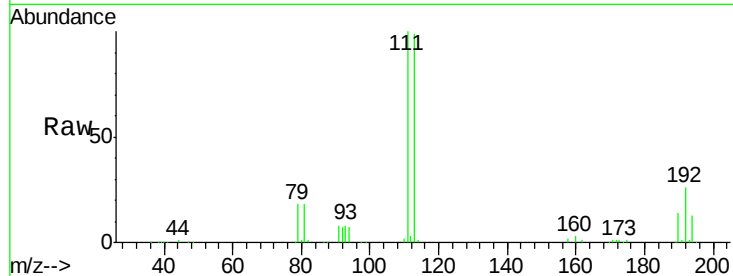
Tgt Ion:113 Resp: 149155

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

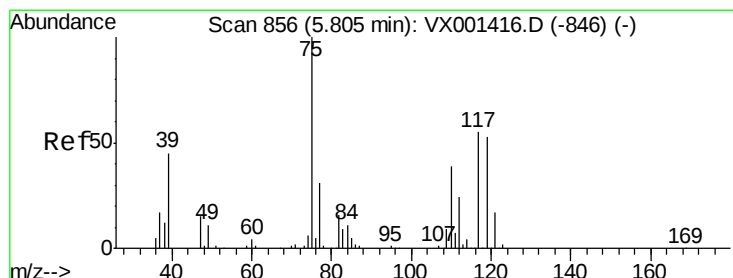
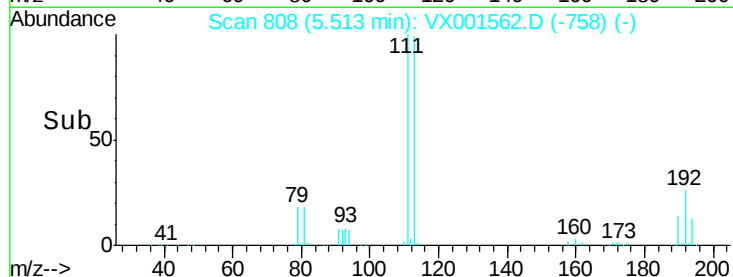
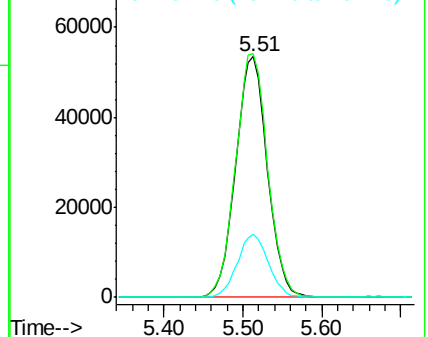
192 25.9 21.4 32.0



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: 3.68 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001562.D

Acq: 09 May 2018 18:26

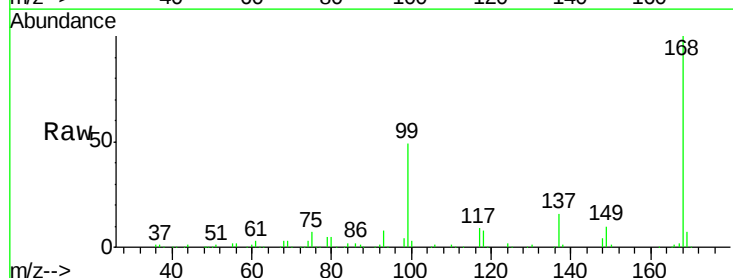
Tgt Ion: 75 Resp: 14585

Ion Ratio Lower Upper

75 100

110 10.3 18.9 56.7#

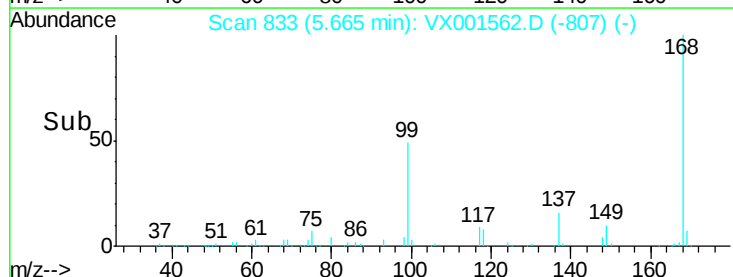
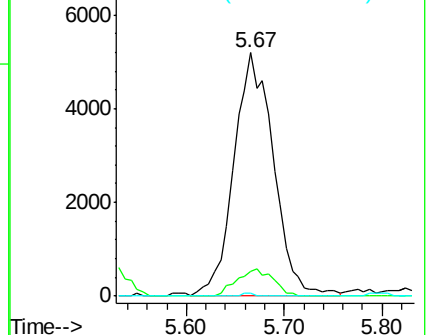
77 0.3 24.9 37.3#

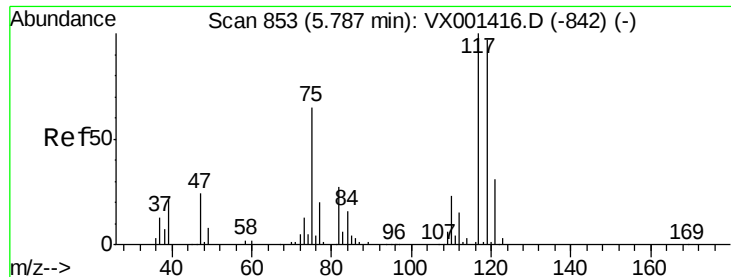


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

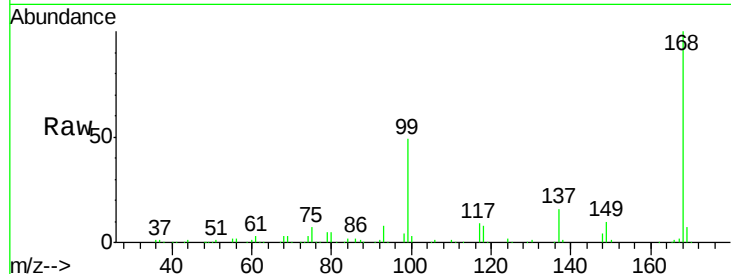




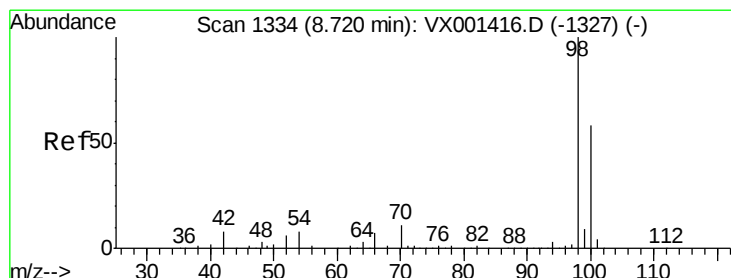
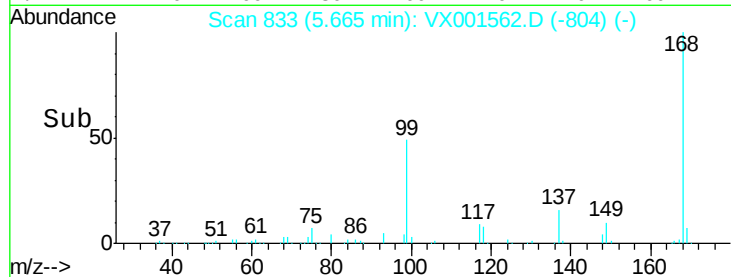
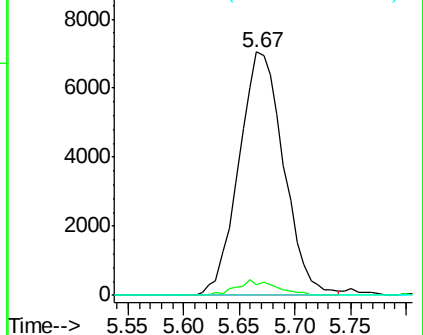
#38
Carbon Tetrachloride
Concen: 4.66 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX001562.D
Acq: 09 May 2018 18:26

Instrument :
MSVOA_X
ClientSampled :
RAV-GT-106

Tgt Ion: 117 Resp: 19711
Ion Ratio Lower Upper
117 100
119 4.3 77.0 115.6#
121 0.0 25.1 37.7#

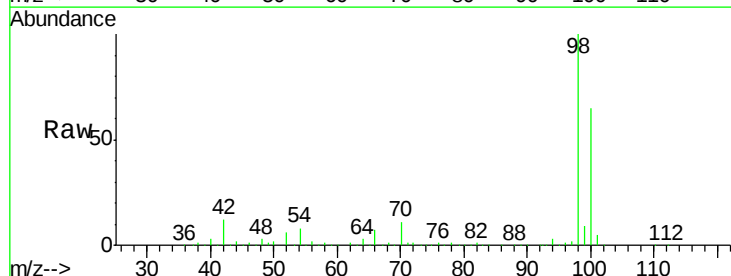


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

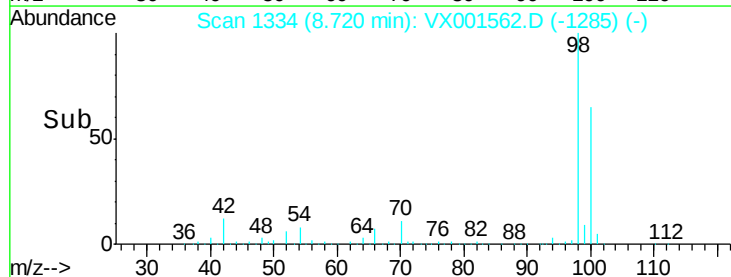
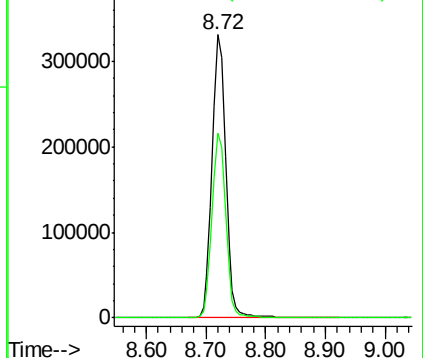


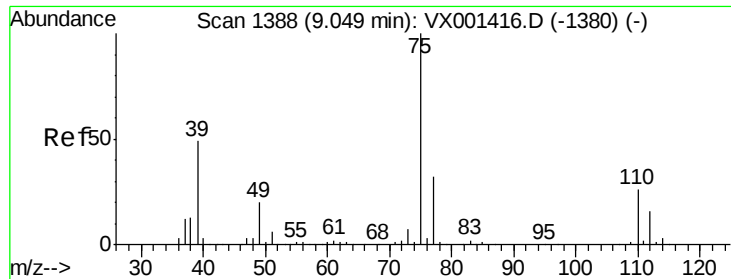
#50
Toluene-d8
Concen: 51.64 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001562.D
Acq: 09 May 2018 18:26

Tgt Ion: 98 Resp: 522659
Ion Ratio Lower Upper
98 100
100 65.6 54.0 81.0



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

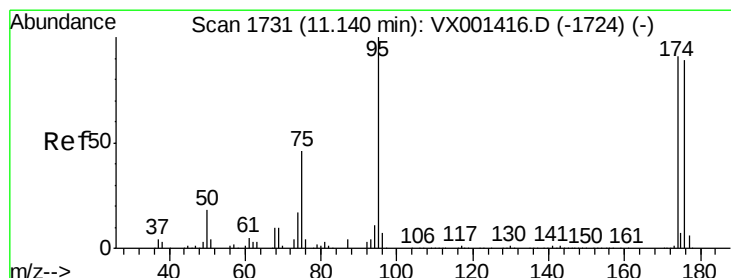
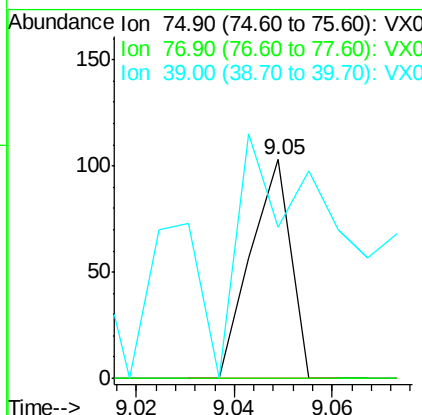
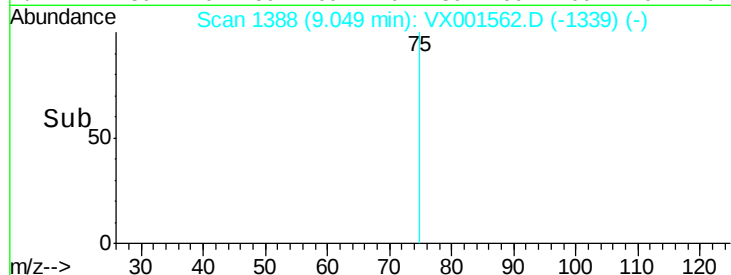
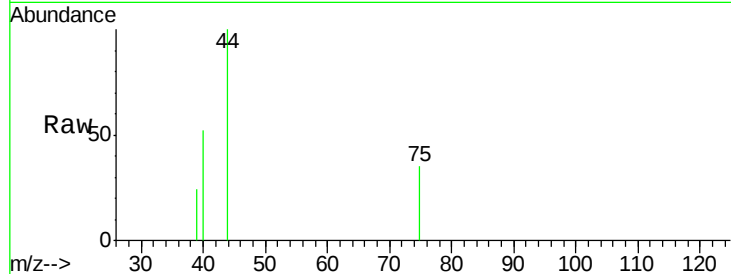




#54
 cis-1,3-Dichloropropene
 Concen: 2.28 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001562.D
 Acq: 09 May 2018 18:26

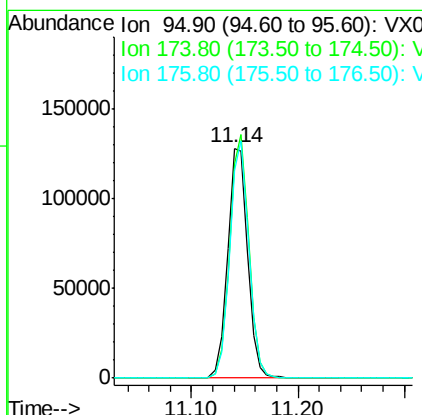
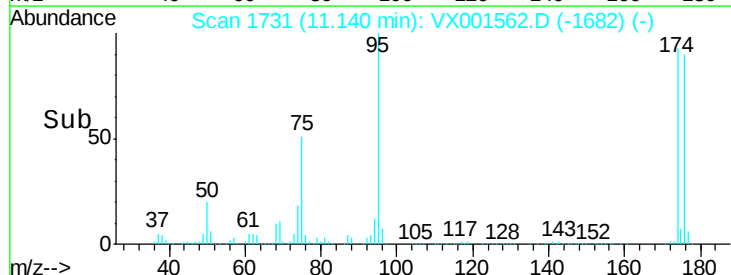
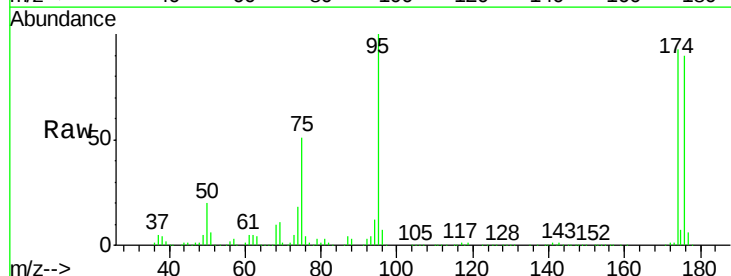
Instrument :
 MSVOA_X
 ClientSampleId :
 RAV-GT-106

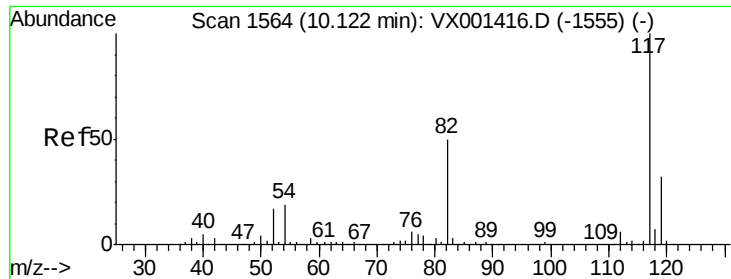
Tgt Ion: 75 Resp: 59
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 1.0 38.9 58.3#



#62
 4-Bromofluorobenzene
 Concen: 43.38 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001562.D
 Acq: 09 May 2018 18:26

Tgt Ion: 95 Resp: 168520
 Ion Ratio Lower Upper
 95 100
 174 102.0 0.0 202.0
 176 99.1 0.0 197.4

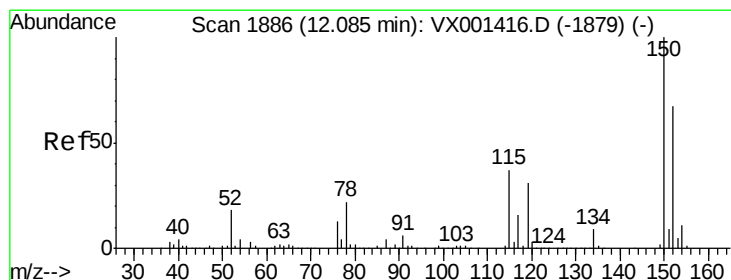
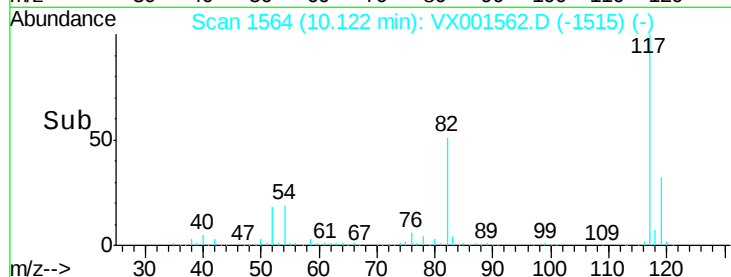
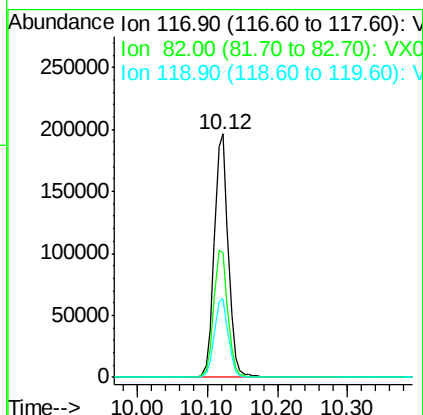
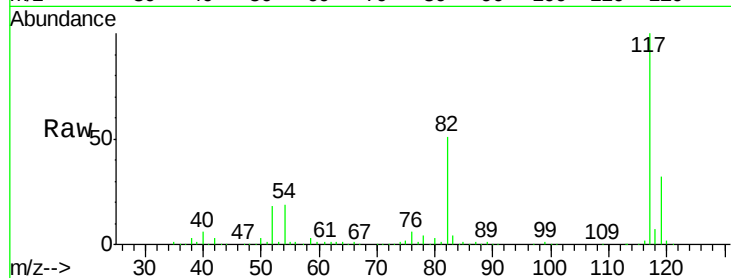




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001562.D
Acq: 09 May 2018 18:26

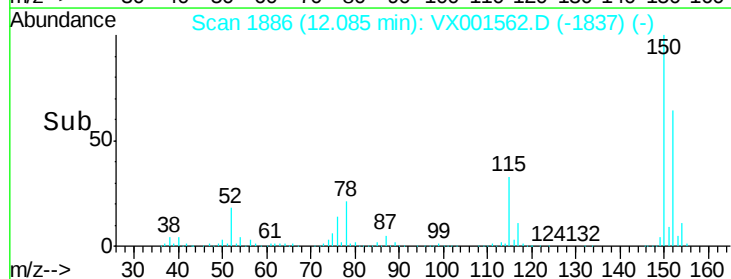
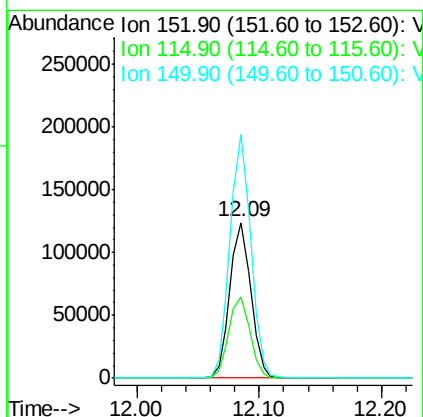
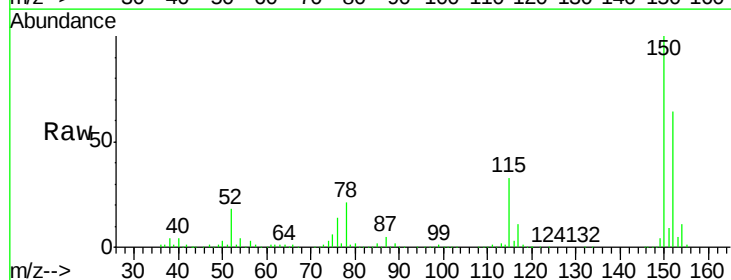
Instrument :
MSVOA_X
ClientSampled :
RAV-GT-106

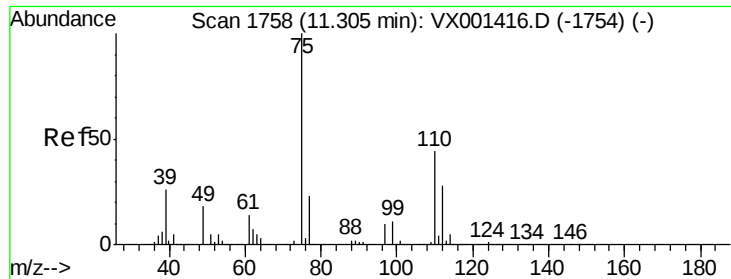
Tgt Ion:117 Resp: 272486
Ion Ratio Lower Upper
117 100
82 51.2 40.0 60.0
119 32.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001562.D
Acq: 09 May 2018 18:26

Tgt Ion:152 Resp: 146436
Ion Ratio Lower Upper
152 100
115 53.3 37.7 113.1
150 155.8 0.0 349.4

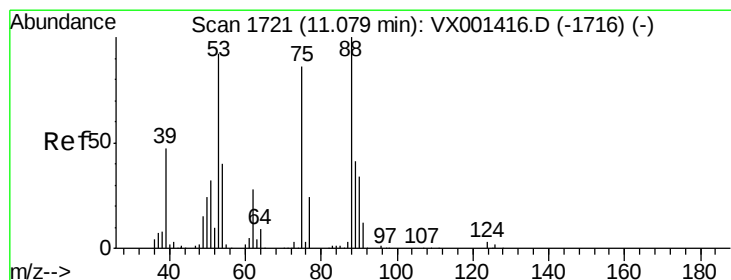
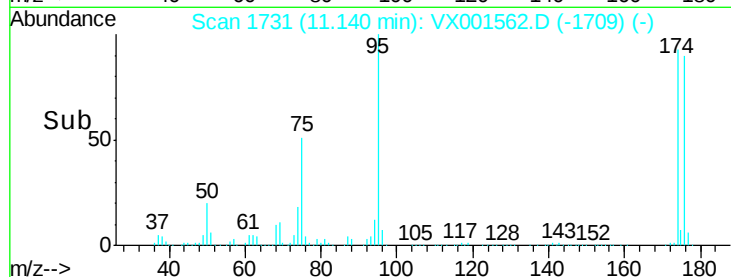
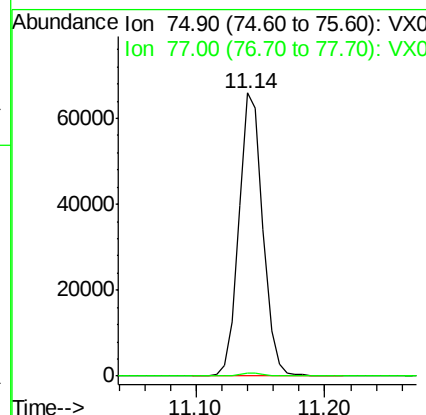
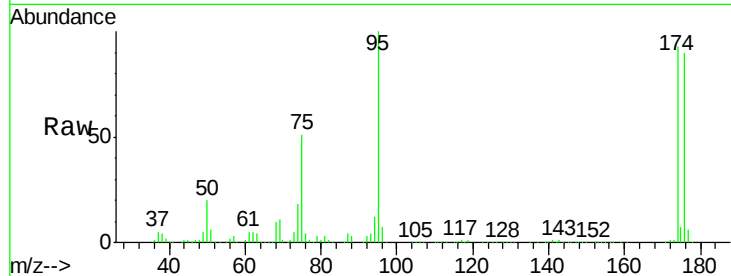




#76
 1,2,3-Trichloropropane
 Concen: 28.70 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001562.D
 Acq: 09 May 2018 18:26

Instrument :
 MSVOA_X
 ClientSampled :
 RAV-GT-106

Tgt Ion: 75 Resp: 85244
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.95 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001562.D
 Acq: 09 May 2018 18:26

Tgt Ion: 75 Resp: 85244
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.0 39.5 59.3#

