

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
 Data File : VX001487.D
 Acq On : 08 May 2018 01:33
 Operator : JC/MD
 Sample : J2680-08 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-02-050418-D

Quant Time: May 08 06:15:09 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	249506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	344109	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	304860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	171078	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	169175	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	5.51	113	130978	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	
50) Toluene-d8	8.72	98	475111	42.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.06%	
62) 4-Bromofluorobenzene	11.14	95	156726	36.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.08%	

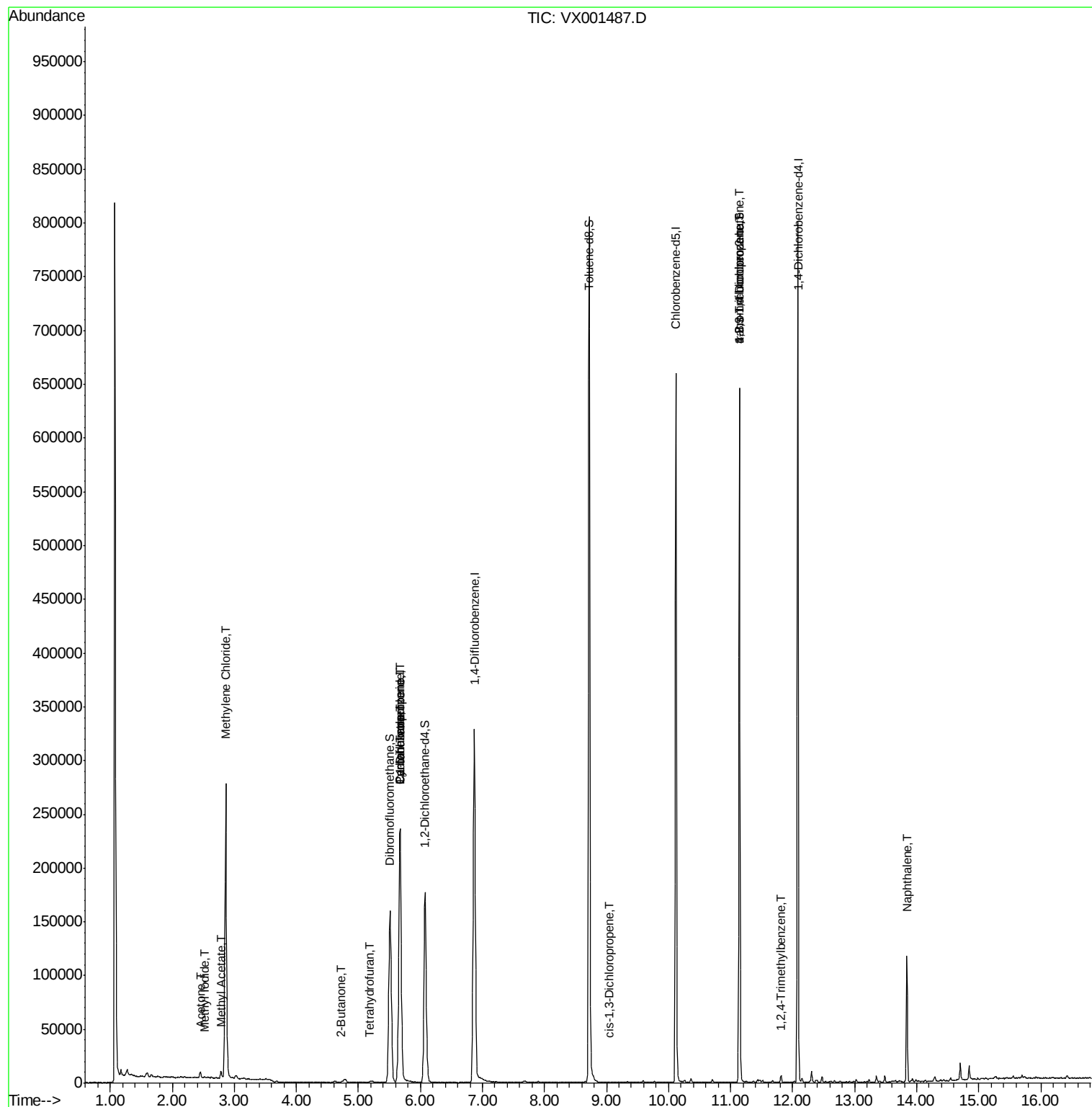
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	1287	Below Cal		94
10) Methyl Iodide	2.52	142	1237	0.28	ug/l	97
13) Acrolein	2.29	56	139	Below Cal	#	1
16) Acetone	2.45	43	6285	3.86	ug/l	98
18) Methyl Acetate	2.78	43	6375	1.49	ug/l	97
20) Methylene Chloride	2.86	84	127353	39.50	ug/l	98
25) 2-Butanone	4.71	43	1372	0.58	ug/l	# 49
29) Tetrahydrofuran	5.18	42	567	0.38	ug/l	# 61
31) Cyclohexane	5.67	56	4579	0.99	ug/l	# 28
36) 1,1-Dichloropropene	5.67	75	15865	3.62	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	21769	4.66	ug/l	# 17
54) cis-1,3-Dichloropropene	9.04	75	22	2.27	ug/l	# 1
76) 1,2,3-Trichloropropane	11.14	75	80509	23.20	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	80509	71.93	ug/l	# 7
84) 1,2,4-Trimethylbenzene	11.81	105	2624	0.26	ug/l	95
95) Naphthalene	13.84	128	72474	5.72	ug/l	100

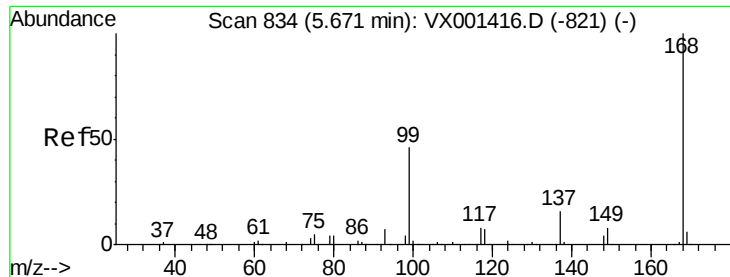
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001487.D

Acq: 08 May 2018 01:33

Instrument :

MSVOA_X

ClientSampleId :

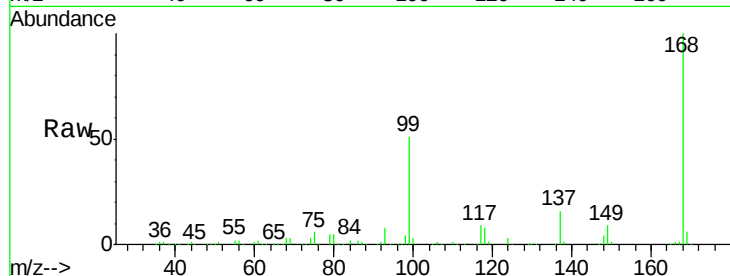
PL-02-050418-D

Tgt Ion:168 Resp: 249506

Ion Ratio Lower Upper

168 100

99 50.6 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

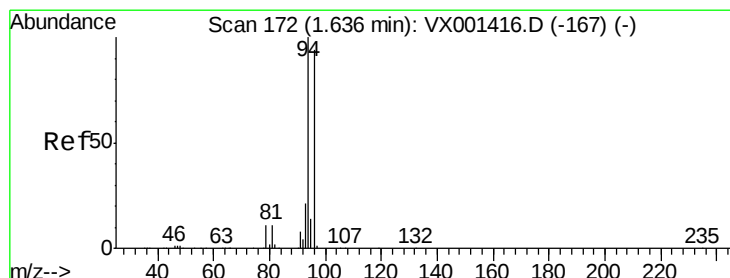
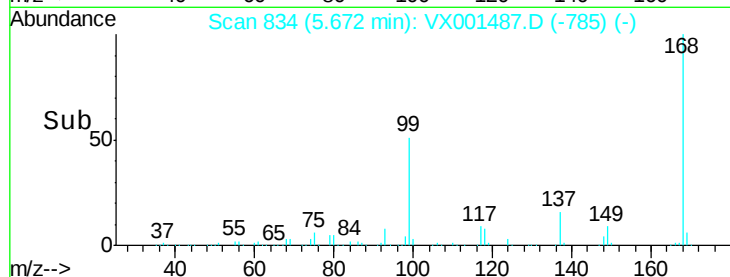
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001487.D

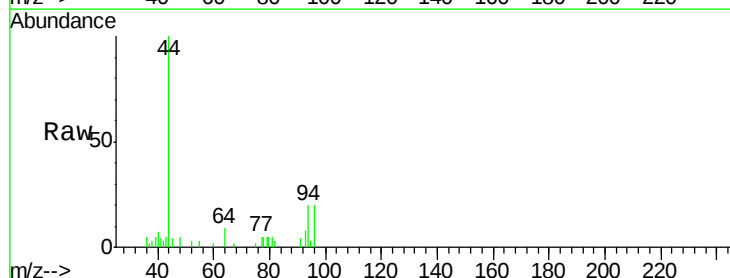
Acq: 08 May 2018 01:33

Tgt Ion: 94 Resp: 1287

Ion Ratio Lower Upper

94 100

96 99.5 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

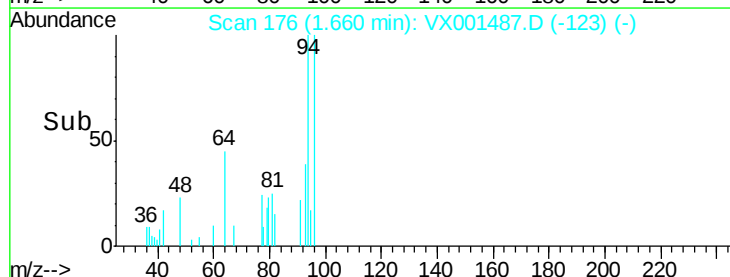
600

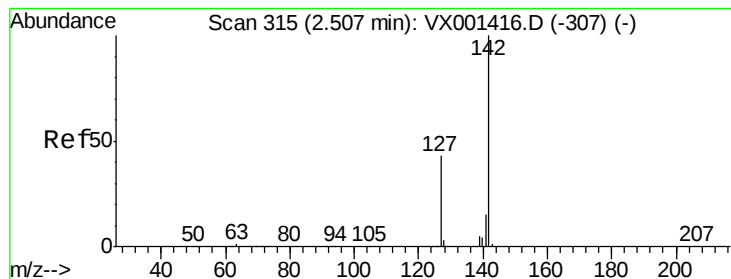
400

200

0

Time--> 1.60 1.65 1.70 1.75





#10

Methyl Iodide

Concen: 0.28 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001487.D

Acq: 08 May 2018 01:33

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-D

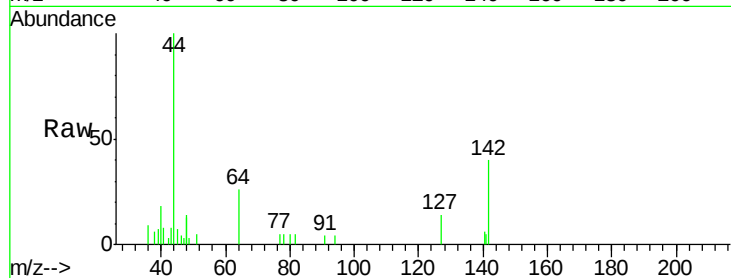
Tgt Ion: 142 Resp: 1237

Ion Ratio Lower Upper

142 100

127 40.2 33.6 50.4

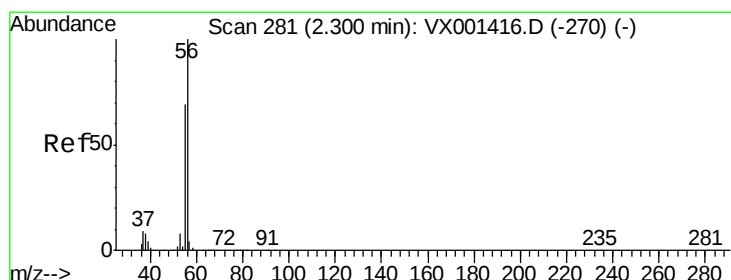
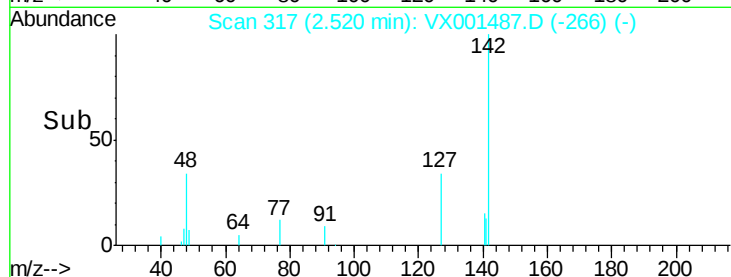
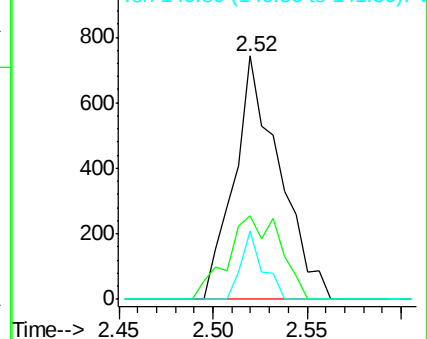
141 13.4 11.4 17.2



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



#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX001487.D

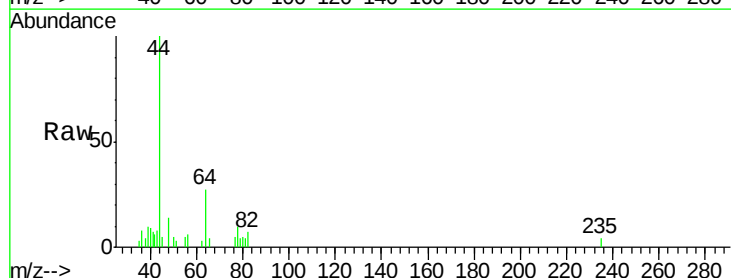
Acq: 08 May 2018 01:33

Tgt Ion: 56 Resp: 139

Ion Ratio Lower Upper

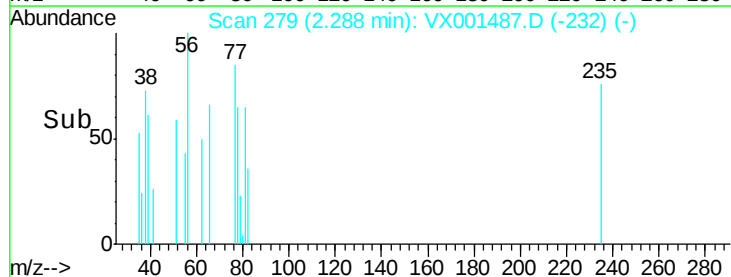
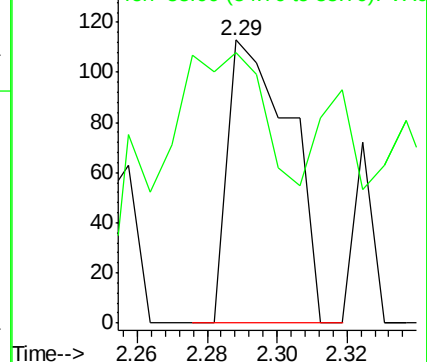
56 100

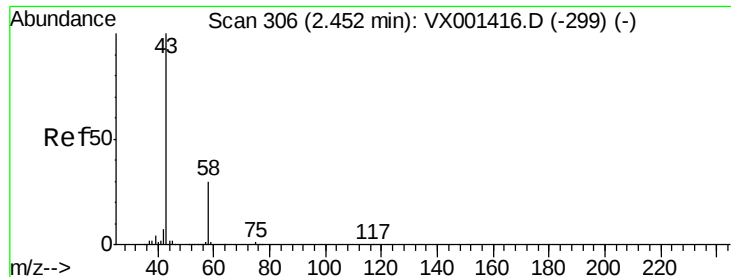
55 192.1 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 3.86 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001487.D

Acq: 08 May 2018 01:33

Instrument :

MSVOA_X

ClientSampleId :

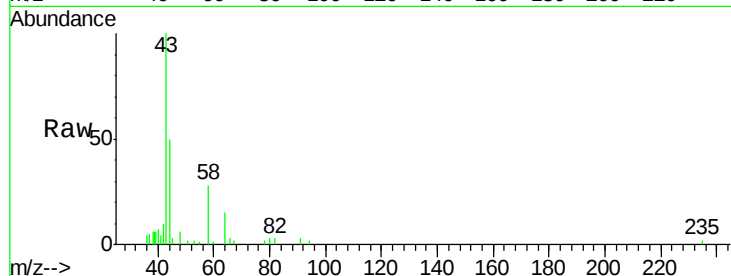
PL-02-050418-D

Tgt Ion: 43 Resp: 6285

Ion Ratio Lower Upper

43 100

58 28.7 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

4000

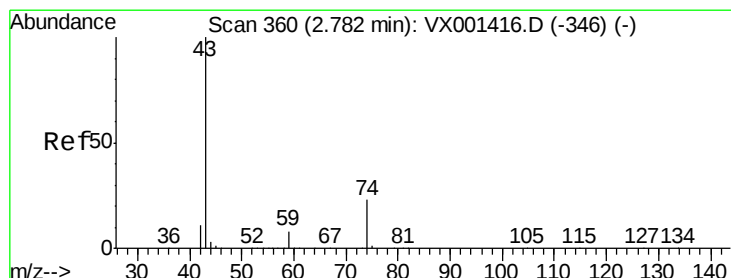
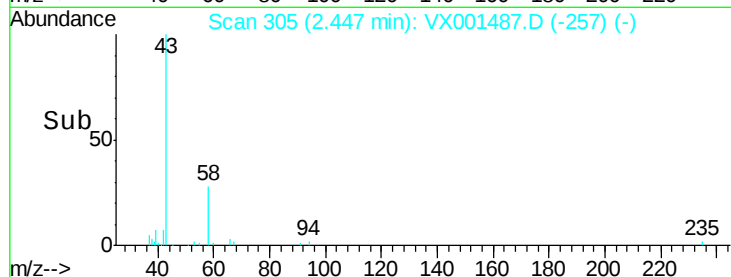
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 1.49 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001487.D

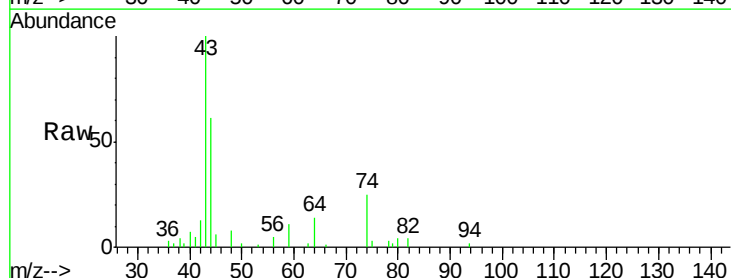
Acq: 08 May 2018 01:33

Tgt Ion: 43 Resp: 6375

Ion Ratio Lower Upper

43 100

74 24.9 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

4000

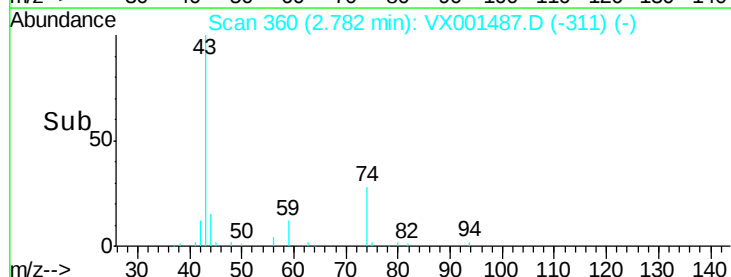
3000

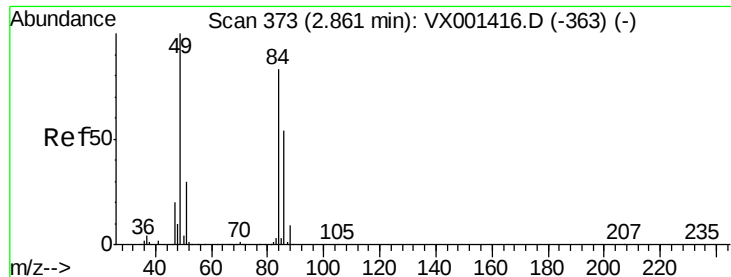
2000

1000

0

Time--> 2.70 2.75 2.80 2.85

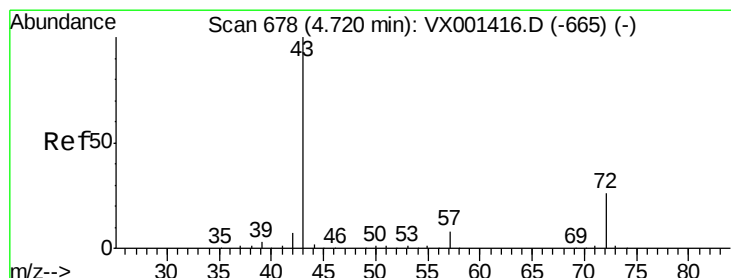
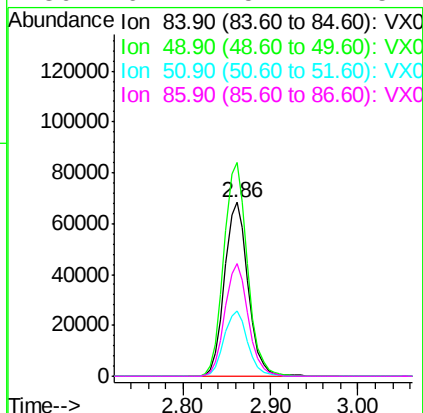
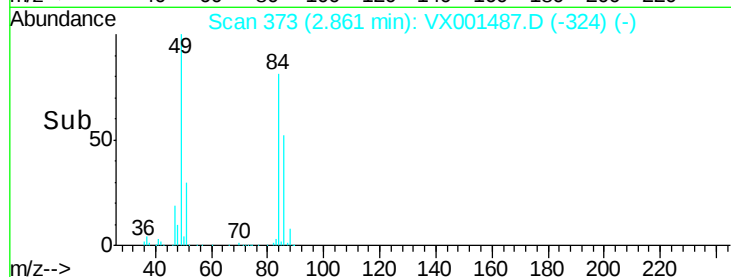
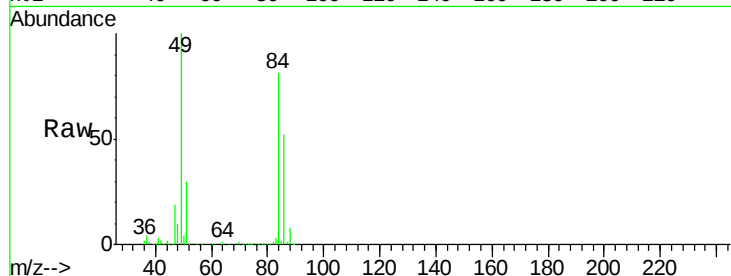




#20
Methylene Chloride
Concen: 39.50 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001487.D
Acq: 08 May 2018 01:33

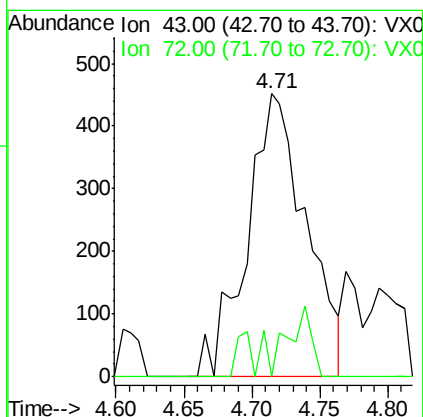
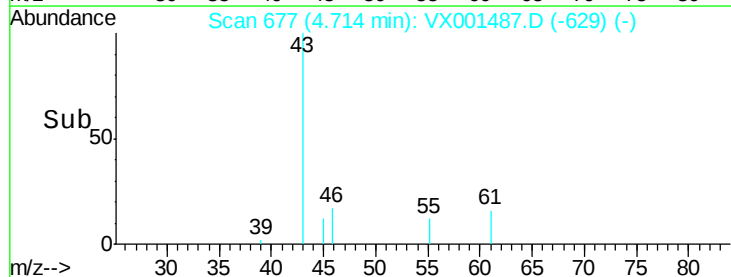
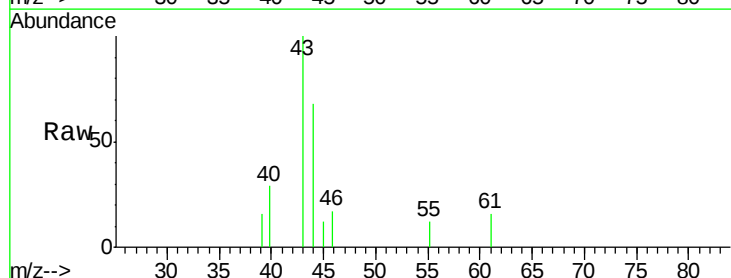
Instrument :
MSVOA_X
ClientSampleId :
PL-02-050418-D

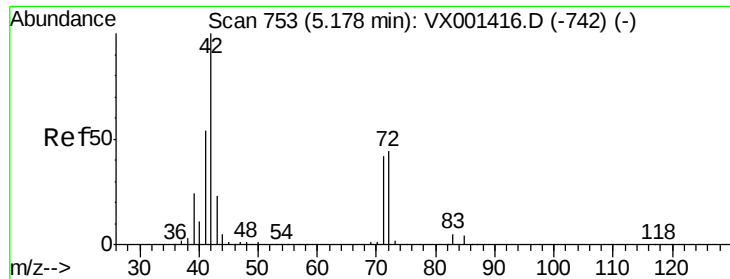
Tgt Ion: 84 Resp: 127353
Ion Ratio Lower Upper
84 100
49 122.7 96.6 144.8
51 37.2 29.0 43.4
86 64.4 52.2 78.4



#25
2-Butanone
Concen: 0.58 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.01 min
Lab File: VX001487.D
Acq: 08 May 2018 01:33

Tgt Ion: 43 Resp: 1372
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#





#29

Tetrahydrofuran

Concen: 0.38 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001487.D

Acq: 08 May 2018 01:33

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-D

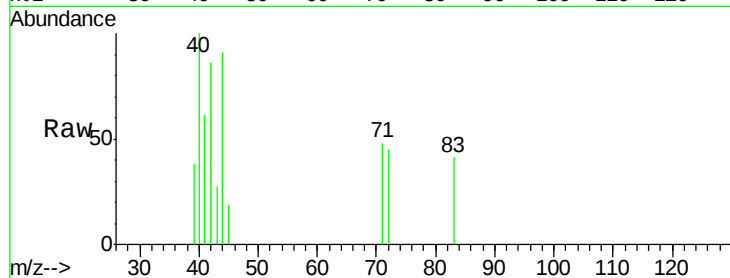
Tgt Ion: 42 Resp: 567

Ion Ratio Lower Upper

42 100

72 34.6 35.4 53.2#

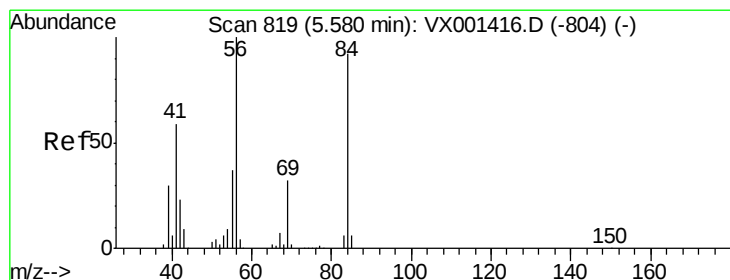
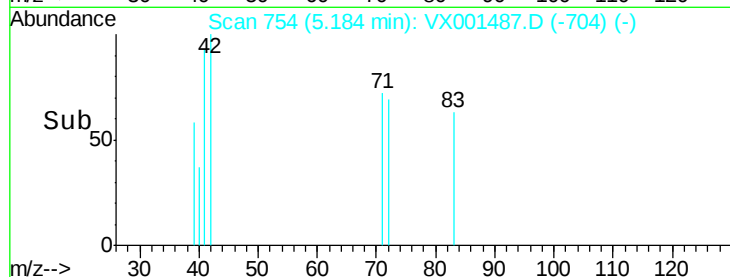
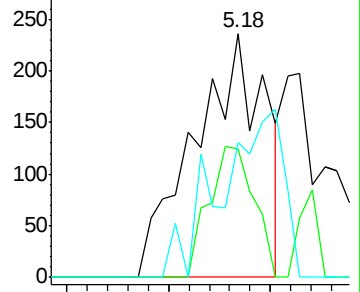
71 0.0 33.0 49.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 0.99 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001487.D

Acq: 08 May 2018 01:33

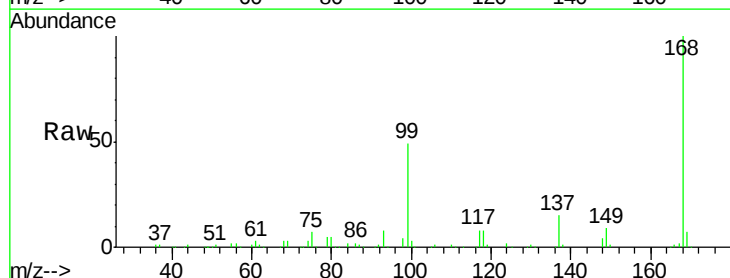
Tgt Ion: 56 Resp: 4579

Ion Ratio Lower Upper

56 100

69 165.3 25.4 38.0#

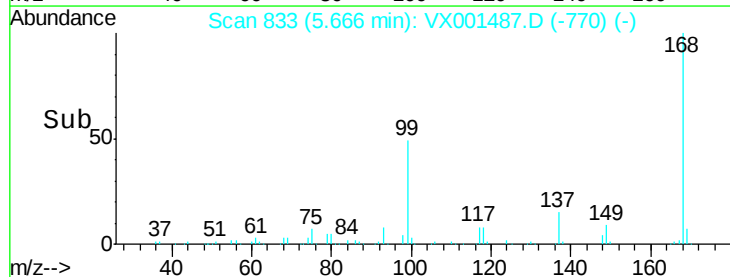
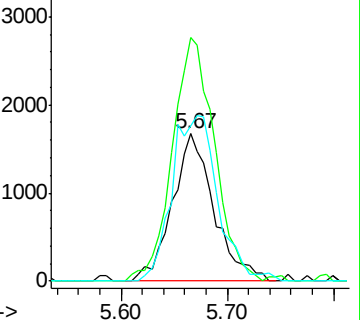
84 105.3 73.8 110.8

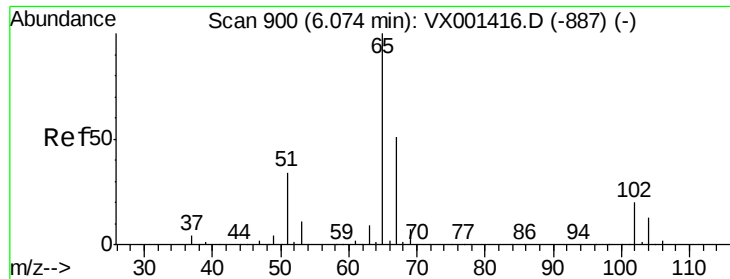


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

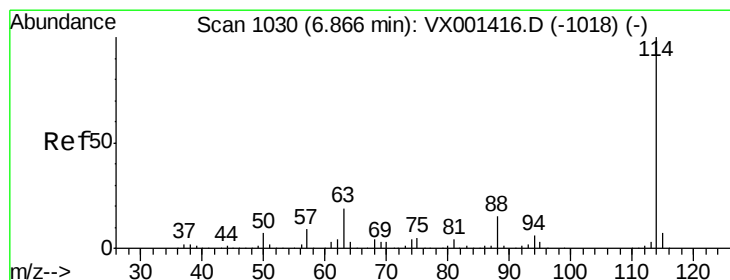
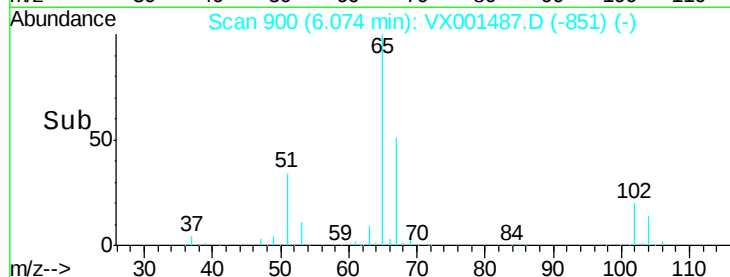
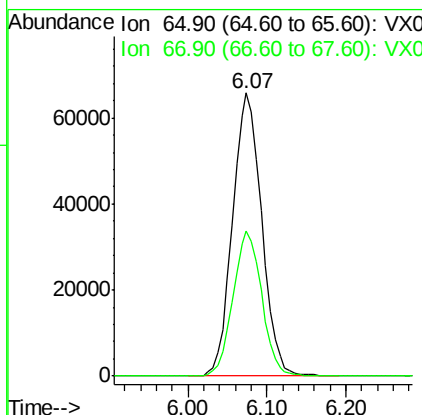
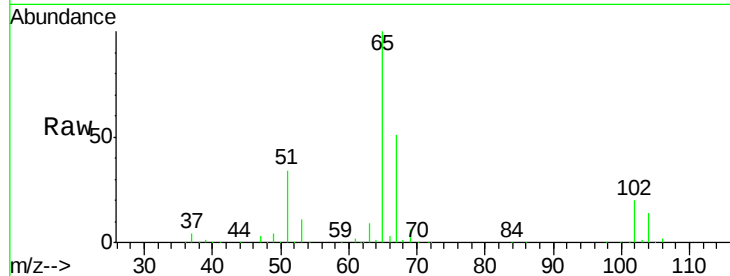




#33
 1,2-Dichloroethane-d4
 Concen: 47.17 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001487.D
 Acq: 08 May 2018 01:33

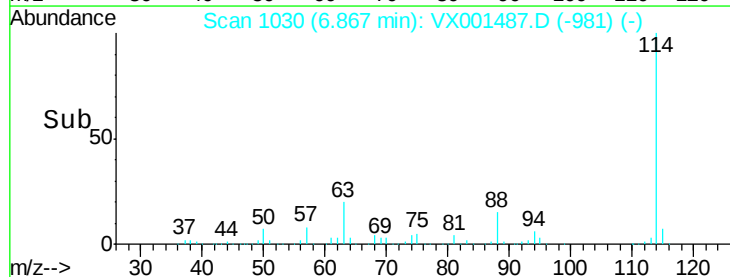
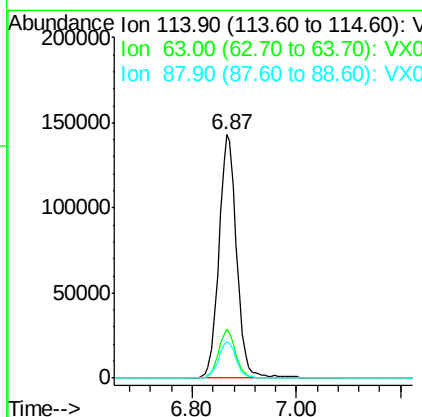
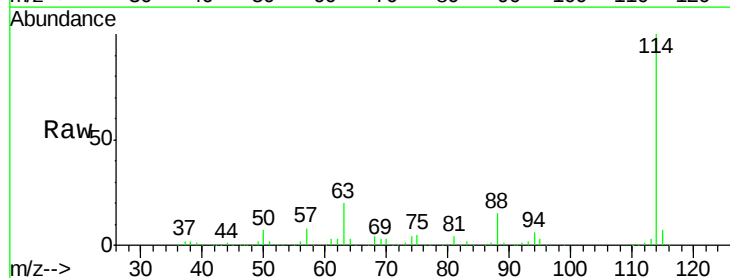
Instrument :
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 PL-02-050418-D

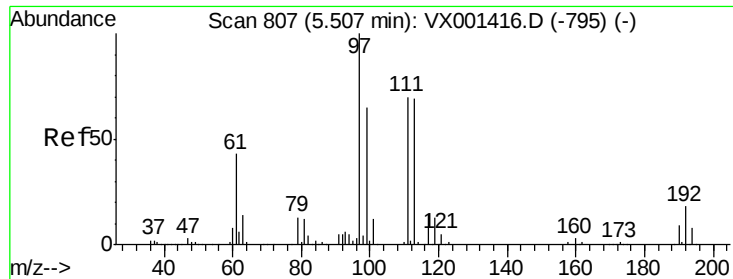
Tgt Ion: 65 Resp: 169175
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001487.D
 Acq: 08 May 2018 01:33

Tgt Ion: 114 Resp: 344109
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.6
 88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 42.79 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001487.D

Acq: 08 May 2018 01:33

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-D

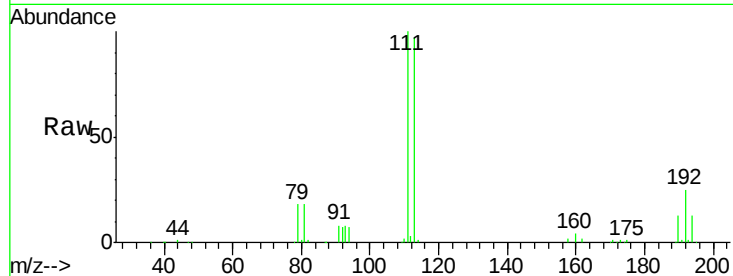
Tgt Ion:113 Resp: 130978

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

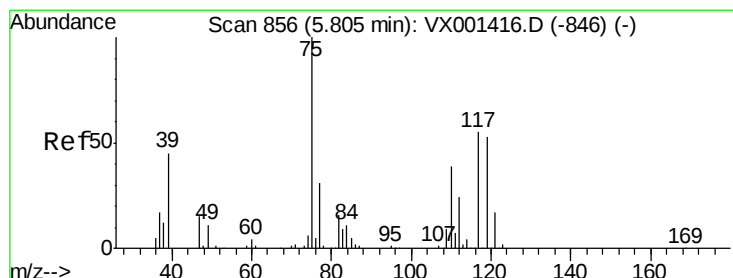
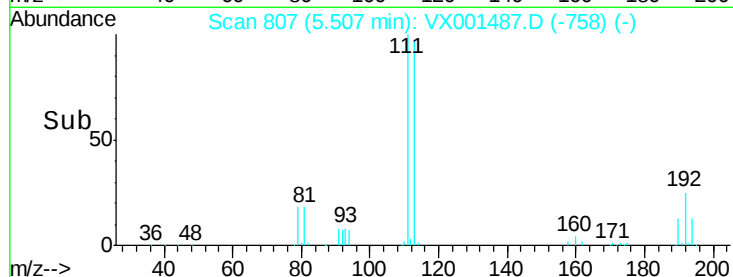
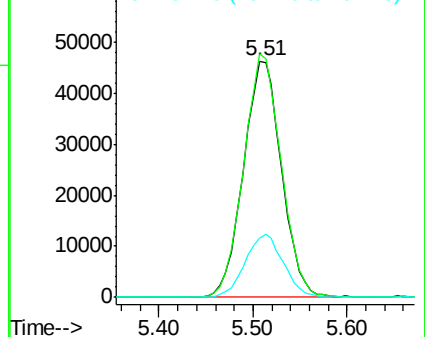
192 26.7 21.4 32.0



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: 3.62 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001487.D

Acq: 08 May 2018 01:33

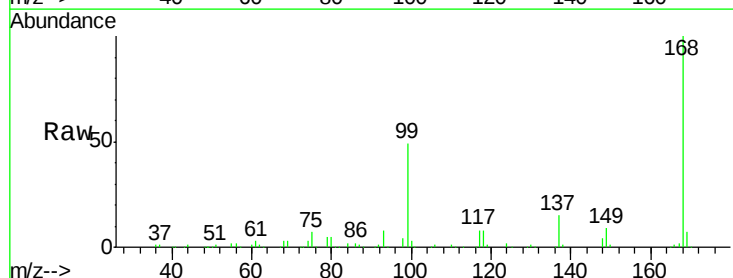
Tgt Ion: 75 Resp: 15865

Ion Ratio Lower Upper

75 100

110 10.6 18.9 56.7#

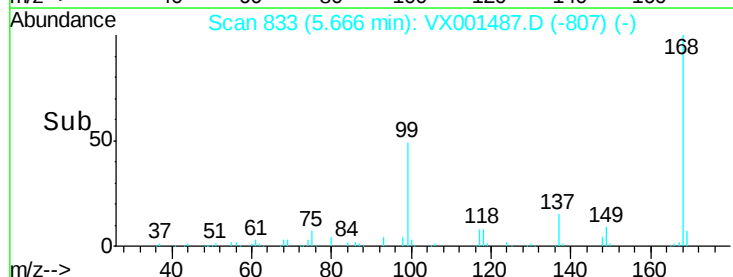
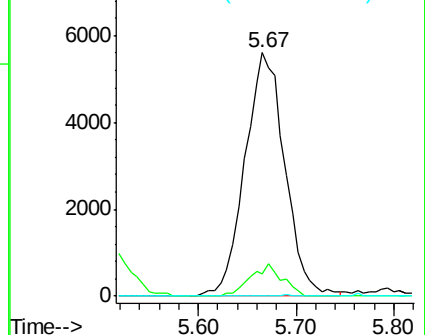
77 0.0 24.9 37.3#

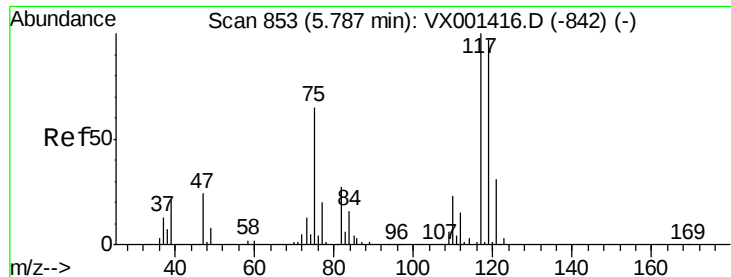


Abundance Ion 74.90 (74.60 to 75.60): VX0

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# 834

Delta R.T. -0.12 min

Lab File: VX001487.D

Acq: 08 May 2018 01:33

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-D

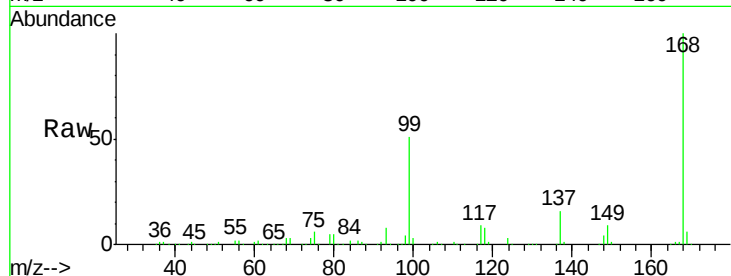
Tgt Ion: 117 Resp: 21769

Ion Ratio Lower Upper

117 100

119 6.7 77.0 115.6#

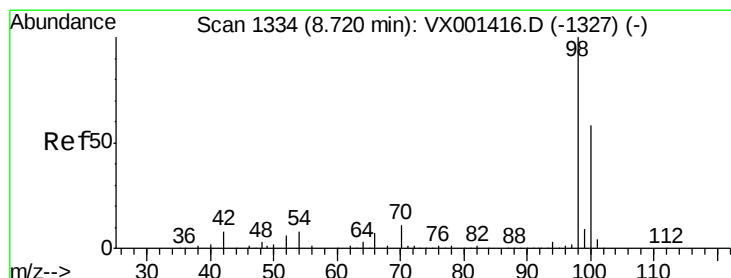
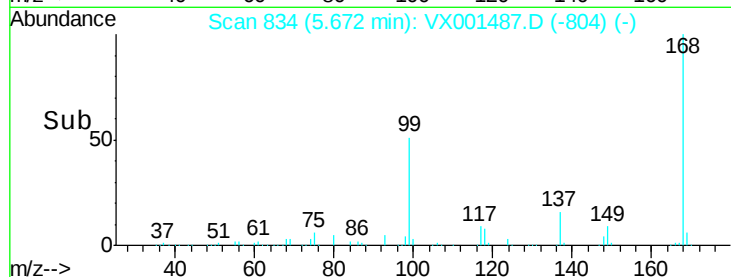
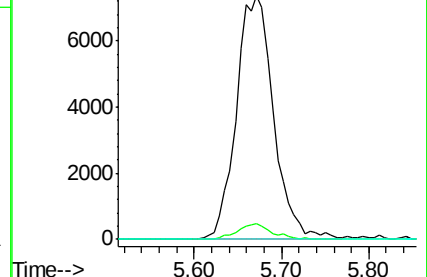
121 0.0 25.1 37.7#



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: 42.53 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001487.D

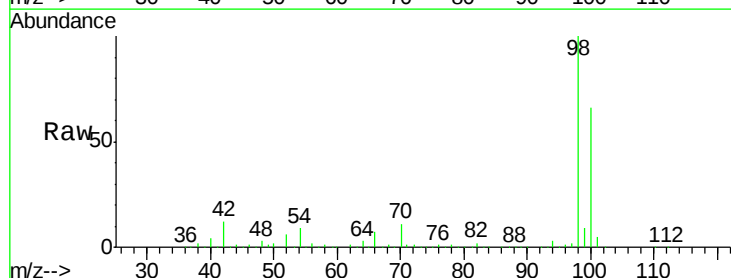
Acq: 08 May 2018 01:33

Tgt Ion: 98 Resp: 475111

Ion Ratio Lower Upper

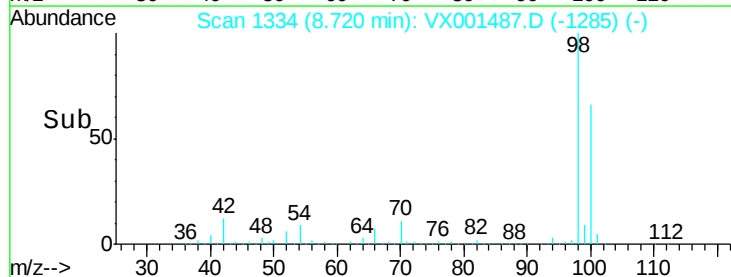
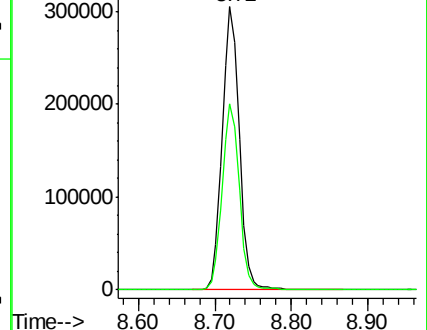
98 100

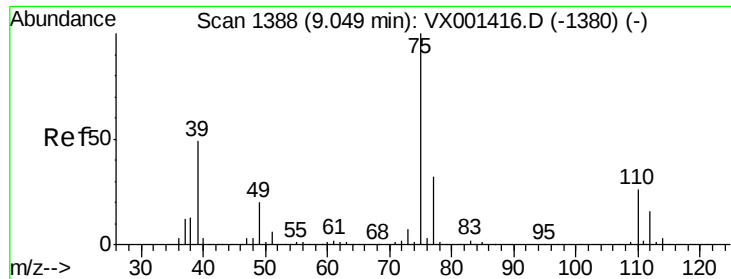
100 65.8 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

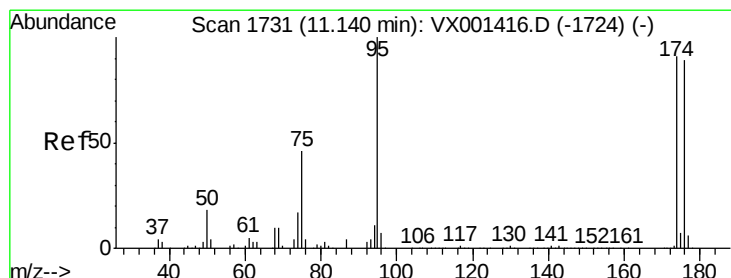
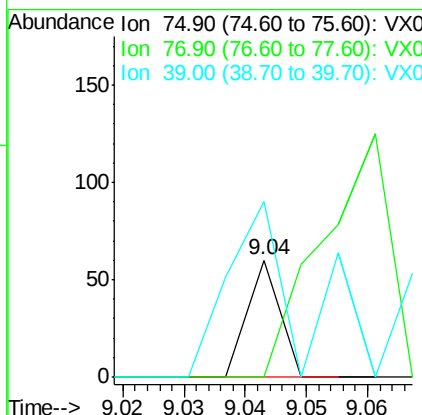
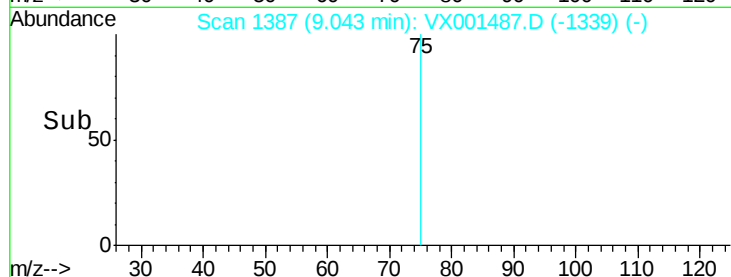
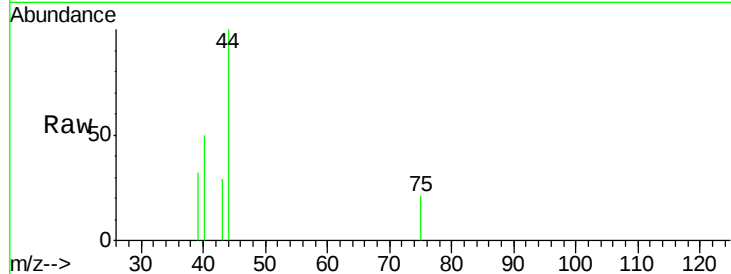




#54
 cis-1,3-Dichloropropene
 Concen: 2.27 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX001487.D
 Acq: 08 May 2018 01:33

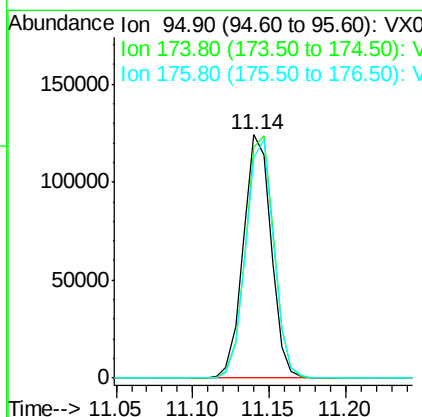
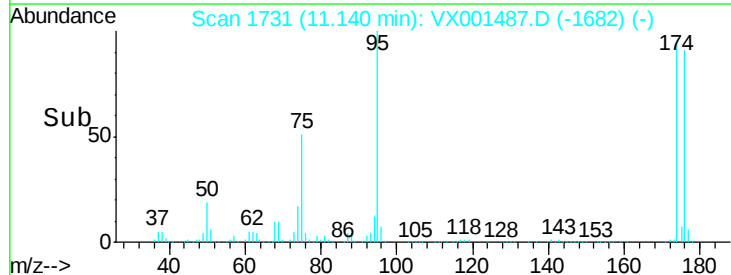
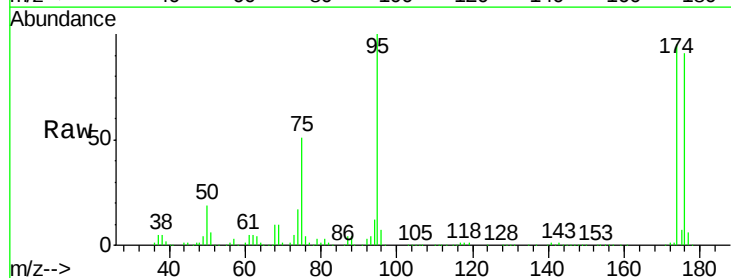
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-02-050418-D

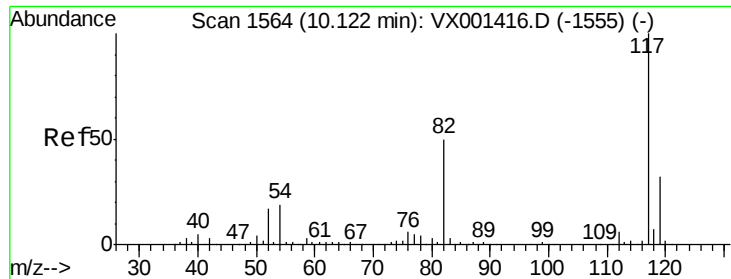
Tgt Ion: 75 Resp: 22
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 150.0 38.9 58.3#



#62
 4-Bromofluorobenzene
 Concen: 36.54 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001487.D
 Acq: 08 May 2018 01:33

Tgt Ion: 95 Resp: 156726
 Ion Ratio Lower Upper
 95 100
 174 101.6 0.0 202.0
 176 98.5 0.0 197.4

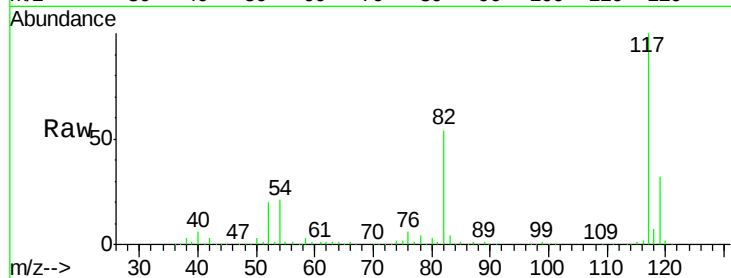




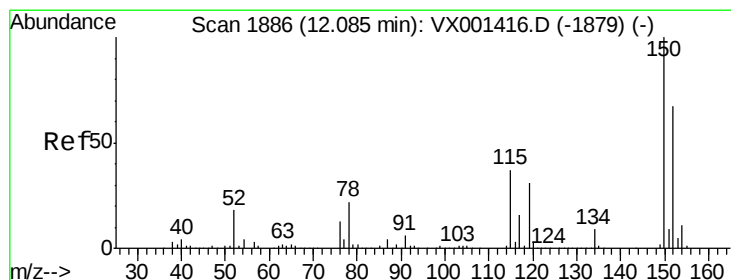
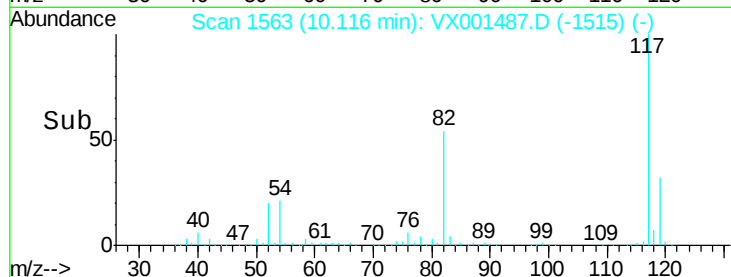
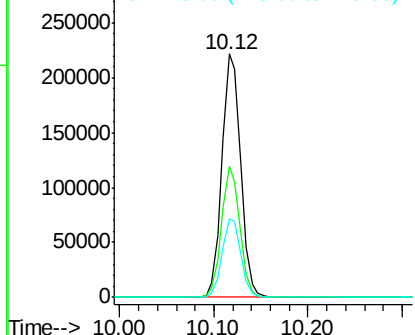
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001487.D
Acq: 08 May 2018 01:33

Instrument :
MSVOA_X
ClientSampleId :
PL-02-050418-D

Tgt Ion:117 Resp: 304860
Ion Ratio Lower Upper
117 100
82 53.7 40.0 60.0
119 32.3 25.8 38.8

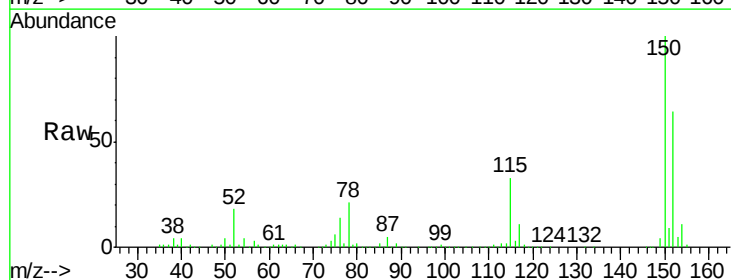


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

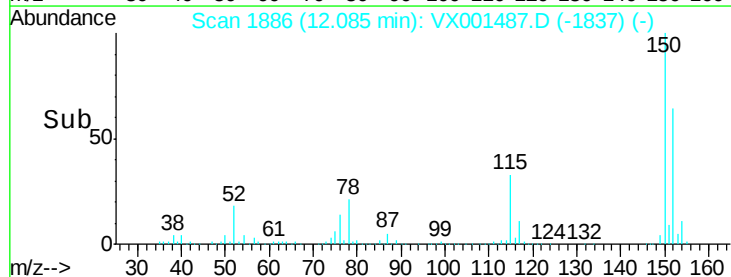
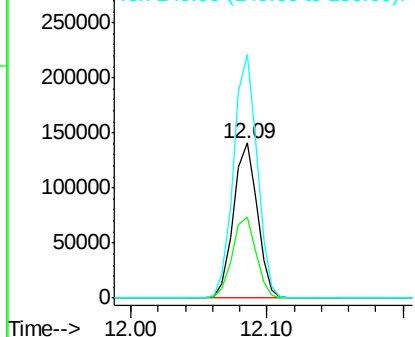


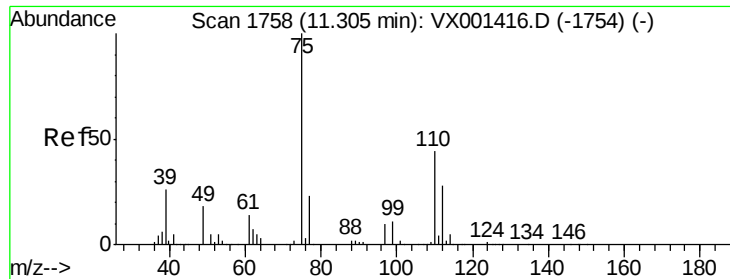
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001487.D
Acq: 08 May 2018 01:33

Tgt Ion:152 Resp: 171078
Ion Ratio Lower Upper
152 100
115 52.8 37.7 113.1
150 156.8 0.0 349.4



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

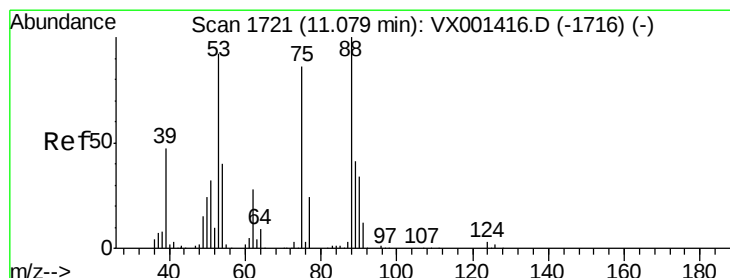
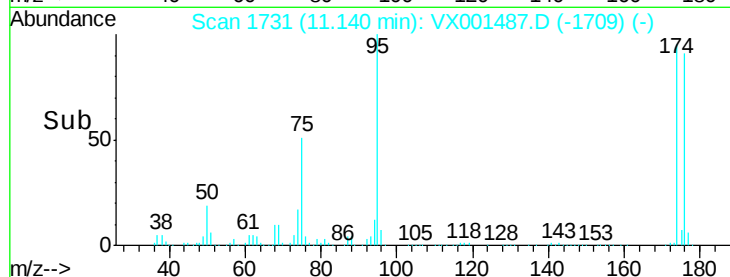
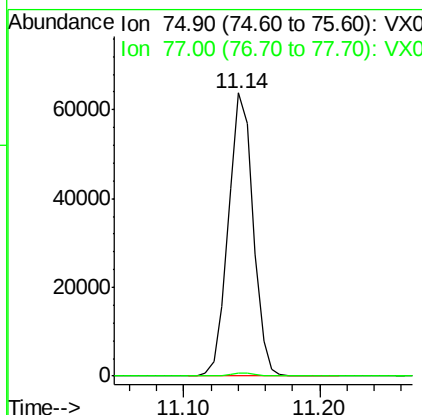
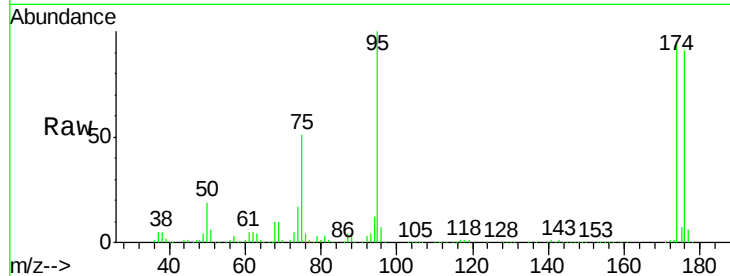




#76
 1,2,3-Trichloropropane
 Concen: 23.20 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001487.D
 Acq: 08 May 2018 01:33

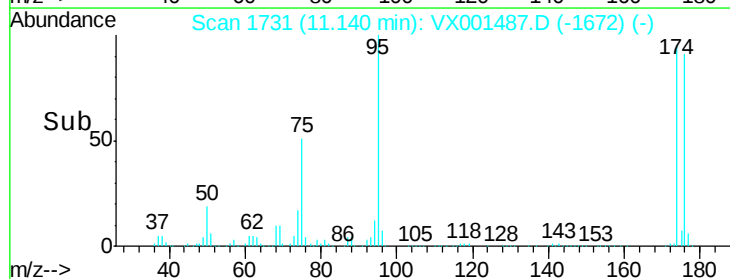
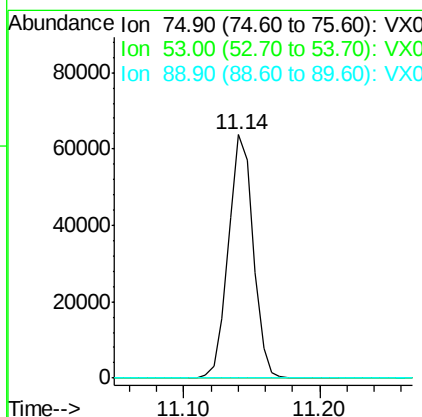
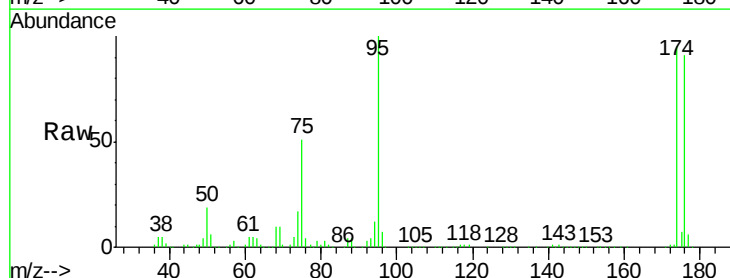
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-02-050418-D

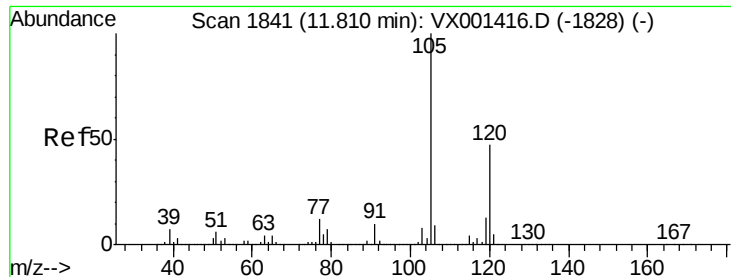
Tgt Ion: 75 Resp: 80509
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.93 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001487.D
 Acq: 08 May 2018 01:33

Tgt Ion: 75 Resp: 80509
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.1 39.5 59.3#

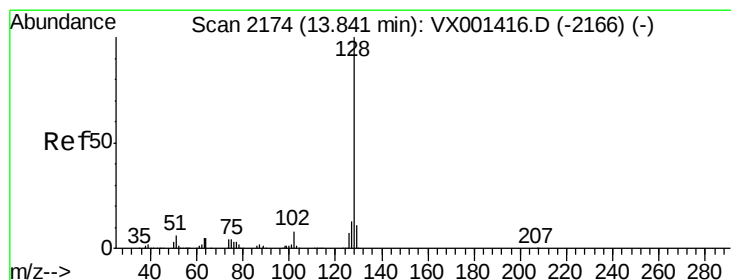
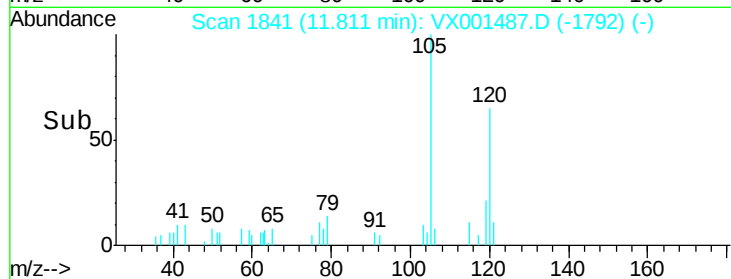
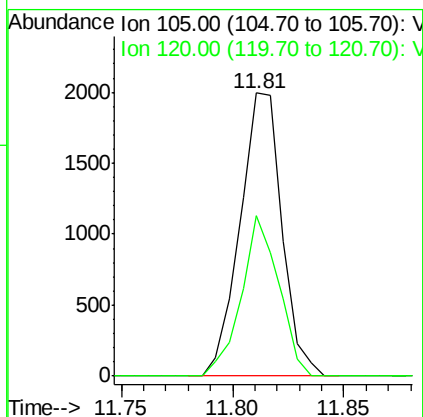
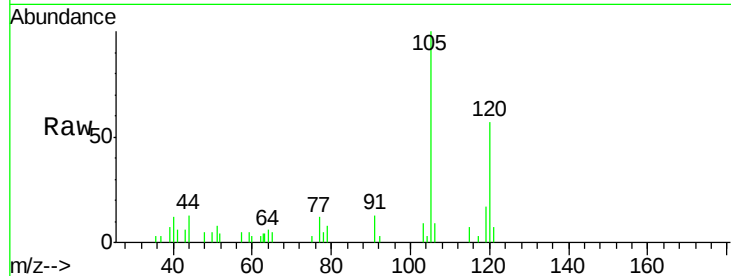




#84
 1,2,4-Trimethylbenzene
 Concen: 0.26 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001487.D
 Acq: 08 May 2018 01:33

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-02-050418-D

Tgt Ion:105 Resp: 2624
 Ion Ratio Lower Upper
 105 100
 120 50.4 23.4 70.2



#95
 Naphthalene
 Concen: 5.72 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX001487.D
 Acq: 08 May 2018 01:33

Tgt Ion:128 Resp: 72474
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.4 15.6
 129 10.9 8.7 13.1

