

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
 Data File : VX001485.D
 Acq On : 08 May 2018 00:40
 Operator : JC/MD
 Sample : J2680-04 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: May 08 06:14:36 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	251571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	341068	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	164744	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	168928	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
35) Dibromofluoromethane	5.51	113	130440	43.00	ug/l	0.00
Spiked Amount			Recovery	=	86.00%	
50) Toluene-d8	8.72	98	470748	42.51	ug/l	0.00
Spiked Amount			Recovery	=	85.02%	
62) 4-Bromofluorobenzene	11.14	95	154726	36.40	ug/l	0.00
Spiked Amount			Recovery	=	72.80%	

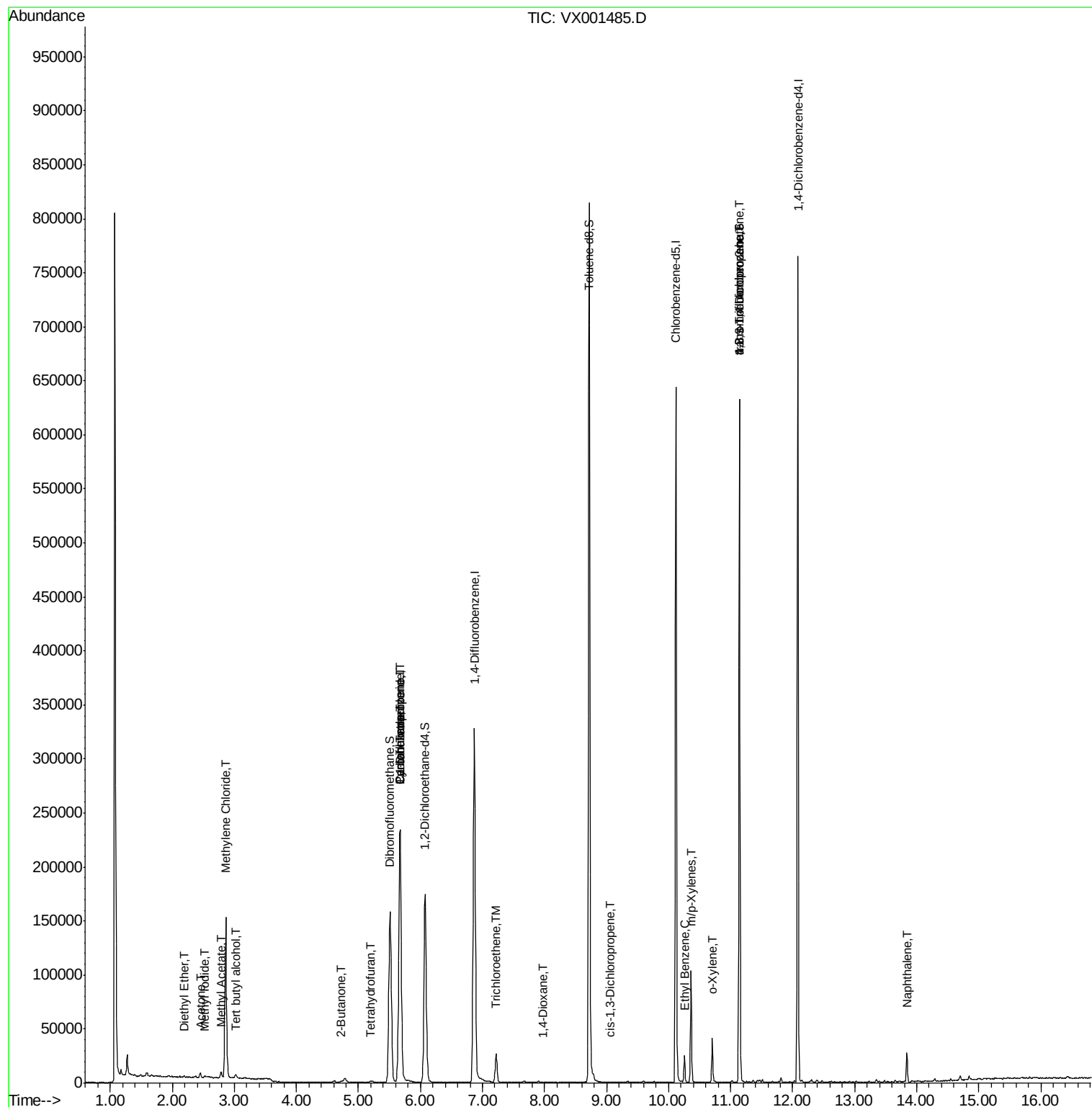
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	84	Below Cal	#	3
8) Diethyl Ether	2.20	74	408	0.20	ug/l	75
10) Methyl Iodide	2.53	142	1504	0.34	ug/l	96
11) Tert butyl alcohol	3.03	59	2234	2.93	ug/l	# 75
13) Acrolein	2.29	56	105	Below Cal	#	1
16) Acetone	2.45	43	4777	2.91	ug/l	96
18) Methyl Acetate	2.78	43	6088	1.41	ug/l	95
20) Methylene Chloride	2.86	84	67842	20.87	ug/l	97
25) 2-Butanone	4.73	43	898	0.38	ug/l	92
29) Tetrahydrofuran	5.18	42	839	0.55	ug/l	# 82
31) Cyclohexane	5.67	56	4569	0.98	ug/l	# 3
36) 1,1-Dichloropropene	5.67	75	15666	3.61	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	21263	4.60	ug/l	# 17
44) Trichloroethene	7.22	130	10112	2.61	ug/l	93
49) 1,4-Dioxane	7.96	88	20	0.23	ug/l	# 24
54) cis-1,3-Dichloropropene	9.06	75	90	2.28	ug/l	# 50
67) Ethyl Benzene	10.26	91	13695	0.94	ug/l	96
68) m/p-Xylenes	10.36	106	24609	4.28	ug/l	98
69) o-Xylene	10.70	106	8895	1.59	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	77197	23.10	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	77197	71.64	ug/l	# 7
95) Naphthalene	13.84	128	16314	1.34	ug/l	98

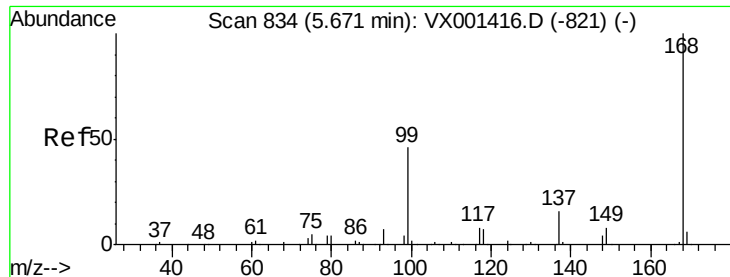
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001485.D

Acq: 08 May 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

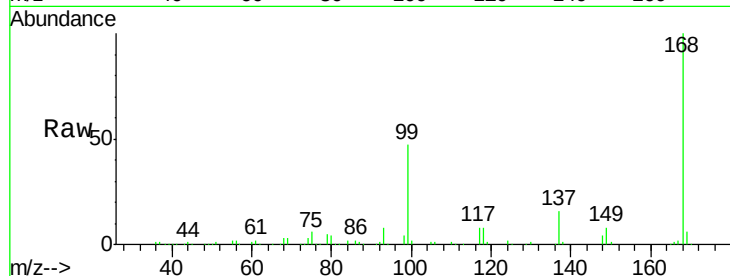
PL-02-050418-B

Tgt Ion:168 Resp: 251571

Ion Ratio Lower Upper

168 100

99 46.9 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

100000

80000

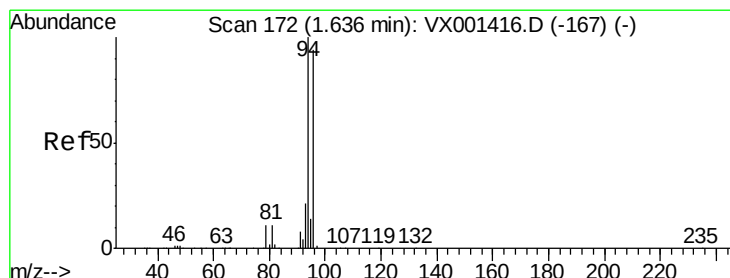
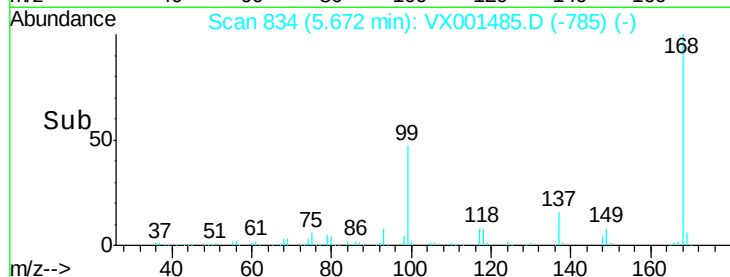
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX001485.D

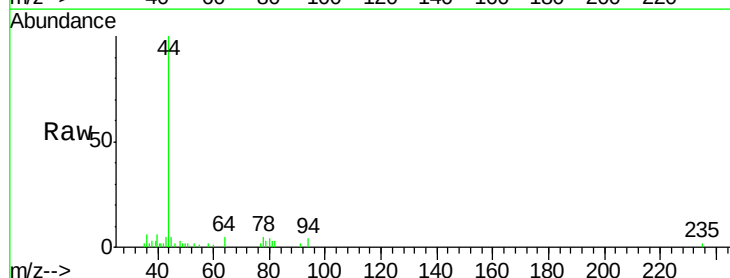
Acq: 08 May 2018 00:40

Tgt Ion: 94 Resp: 84

Ion Ratio Lower Upper

94 100

96 0.0 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

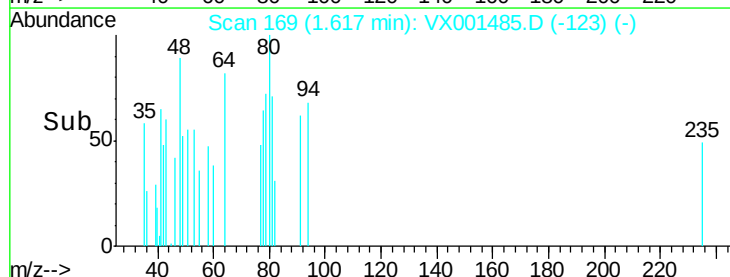
150

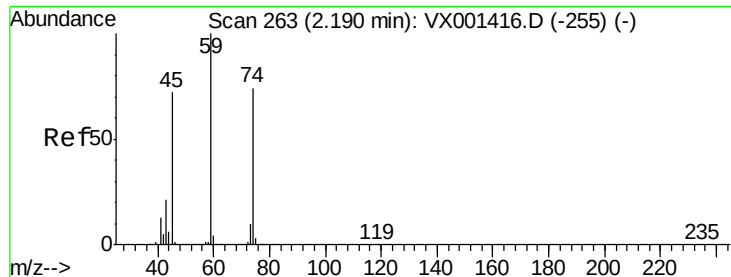
100

50

0

Time--> 1.61 1.62 1.63





#8

Diethyl Ether

Concen: 0.20 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX001485.D

Acq: 08 May 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

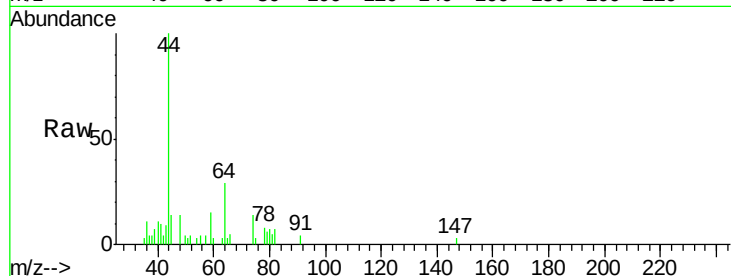
PL-02-050418-B

Tgt Ion: 74 Resp: 408

Ion Ratio Lower Upper

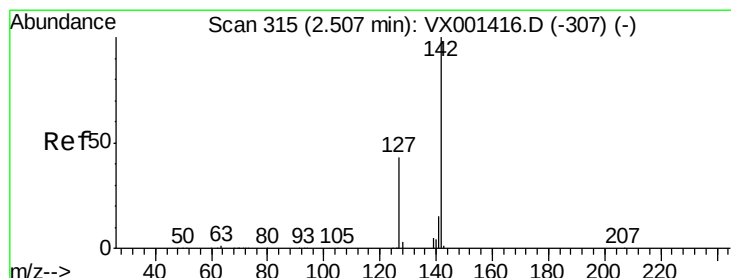
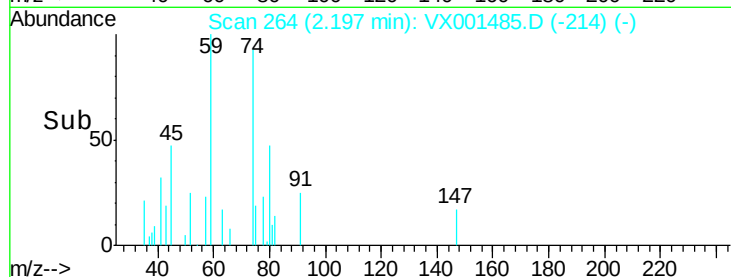
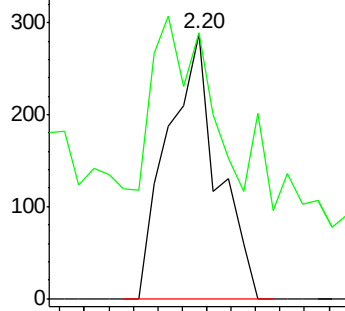
74 100

45 70.8 47.9 143.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 0.34 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.02 min

Lab File: VX001485.D

Acq: 08 May 2018 00:40

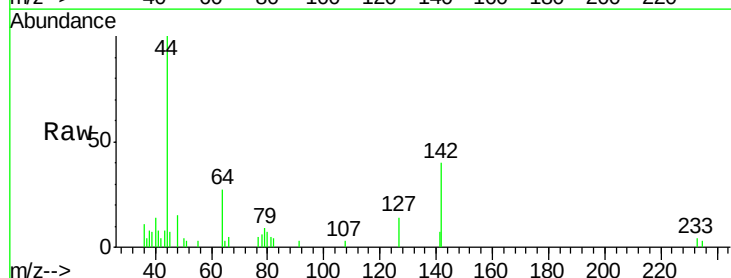
Tgt Ion: 142 Resp: 1504

Ion Ratio Lower Upper

142 100

127 45.5 33.6 50.4

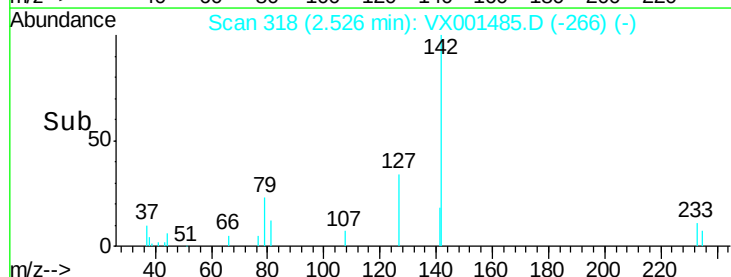
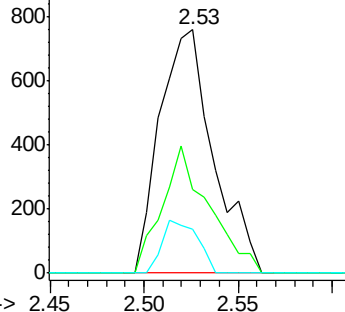
141 14.2 11.4 17.2

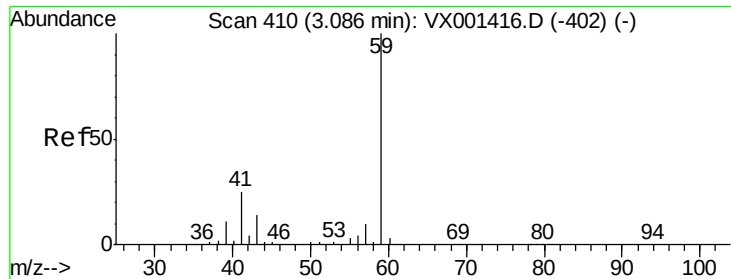


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

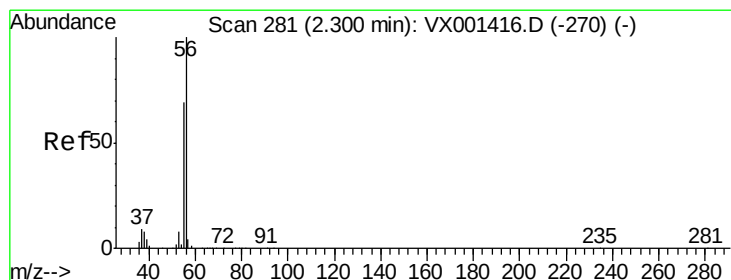
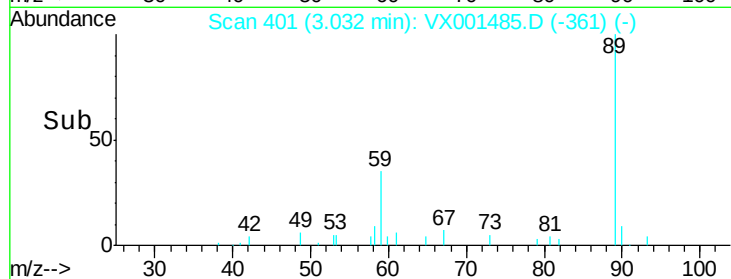
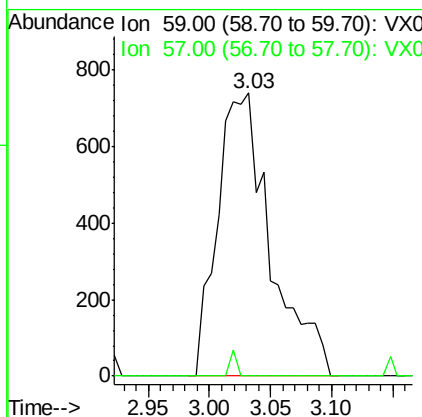
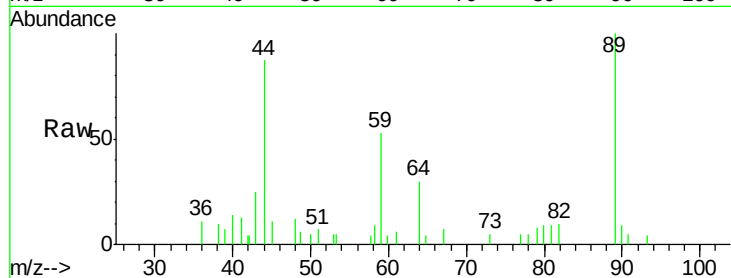




#11
Tert butyl alcohol
Concen: 2.93 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX001485.D
Acq: 08 May 2018 00:40

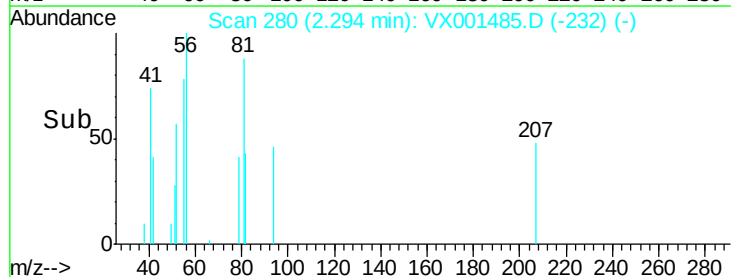
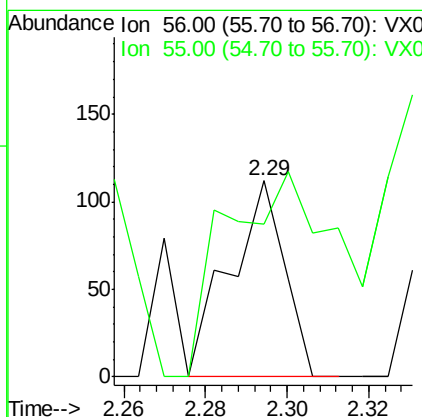
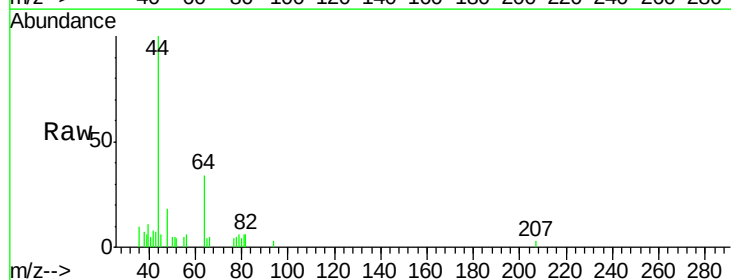
Instrument :
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PL-02-050418-B

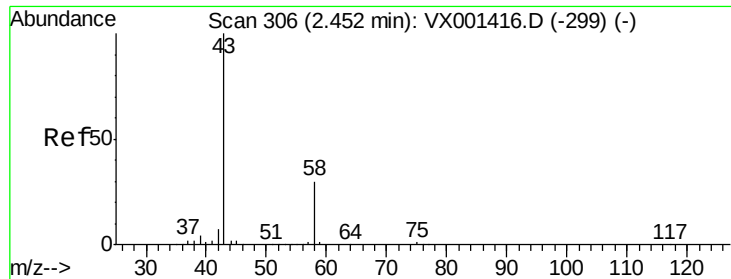
Tgt Ion: 59 Resp: 2234
Ion Ratio Lower Upper
59 100
57 1.1 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX001485.D
Acq: 08 May 2018 00:40

Tgt Ion: 56 Resp: 105
Ion Ratio Lower Upper
56 100
55 211.4 54.5 81.7#

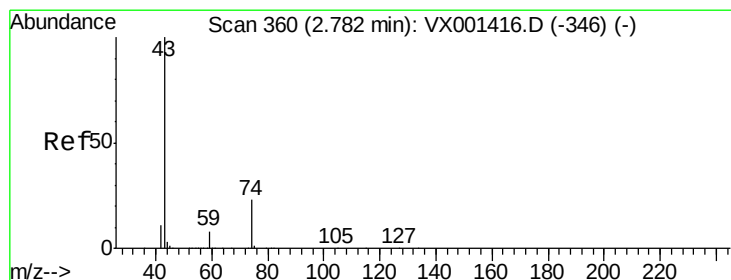
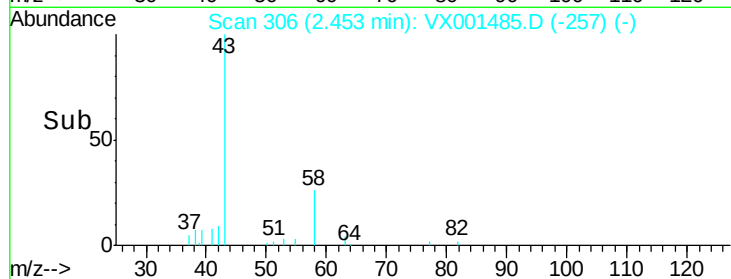
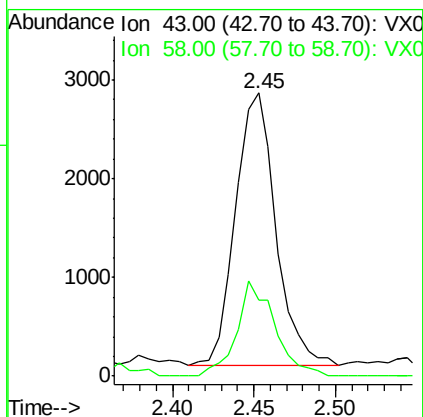
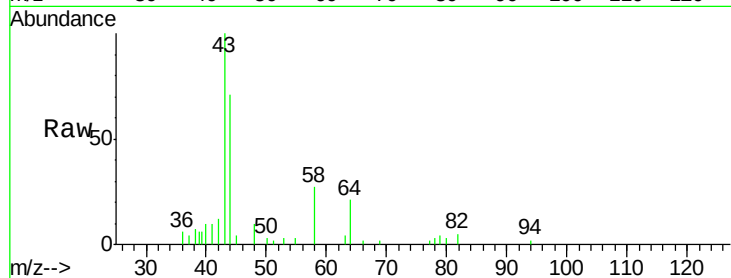




#16
 Acetone
 Concen: 2.91 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VX001485.D
 Acq: 08 May 2018 00:40

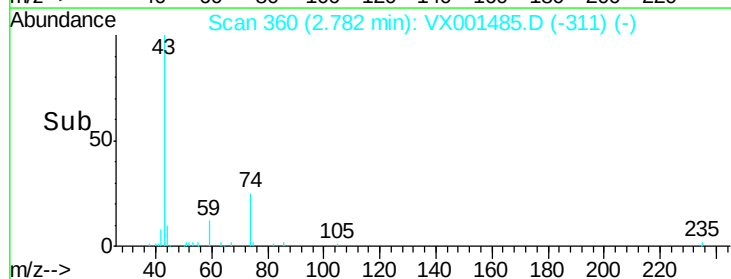
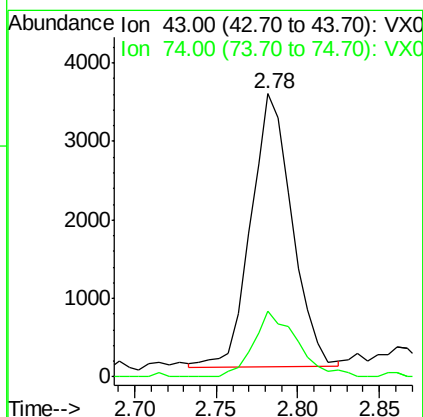
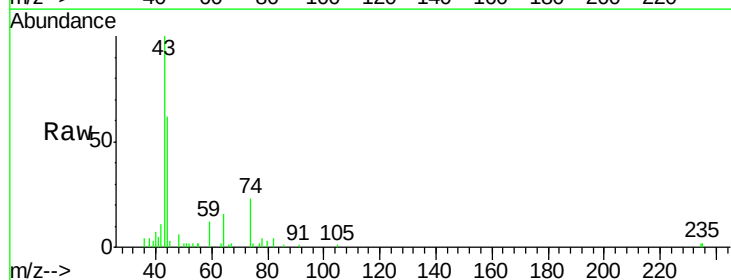
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-02-050418-B

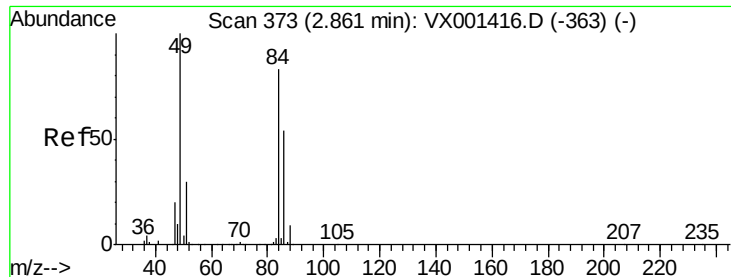
Tgt Ion: 43 Resp: 4777
 Ion Ratio Lower Upper
 43 100
 58 27.8 23.8 35.8



#18
 Methyl Acetate
 Concen: 1.41 ug/l
 RT: 2.78 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VX001485.D
 Acq: 08 May 2018 00:40

Tgt Ion: 43 Resp: 6088
 Ion Ratio Lower Upper
 43 100
 74 25.8 18.6 27.8

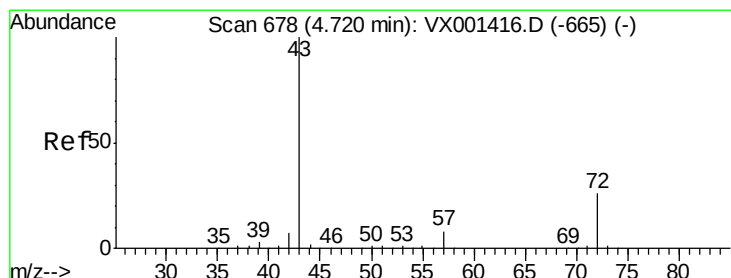
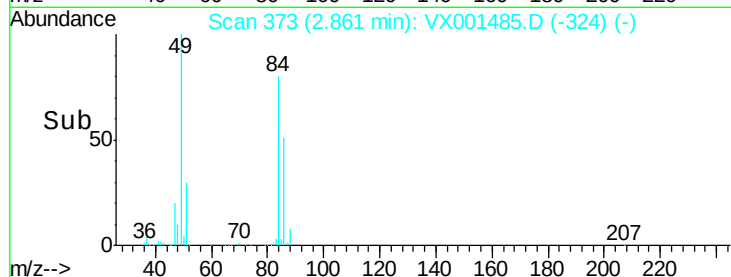
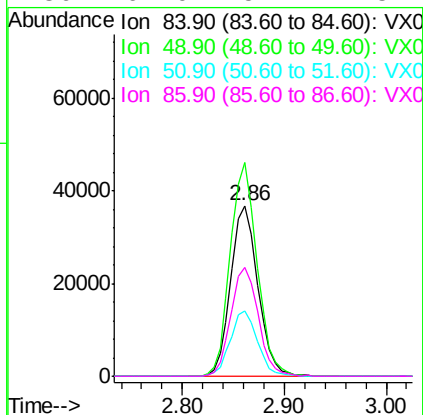
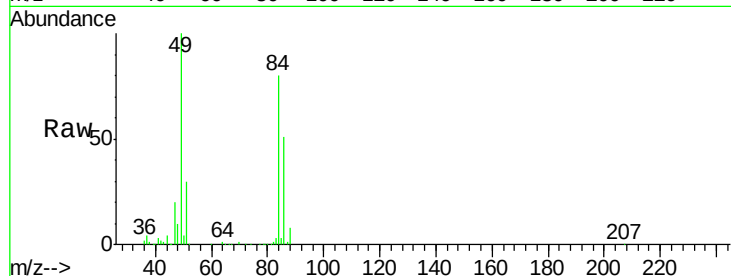




#20
Methylene Chloride
Concen: 20.87 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001485.D
Acq: 08 May 2018 00:40

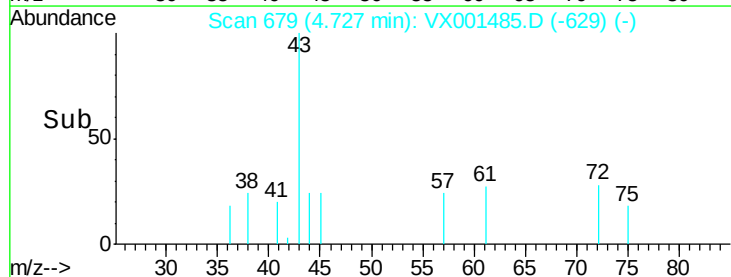
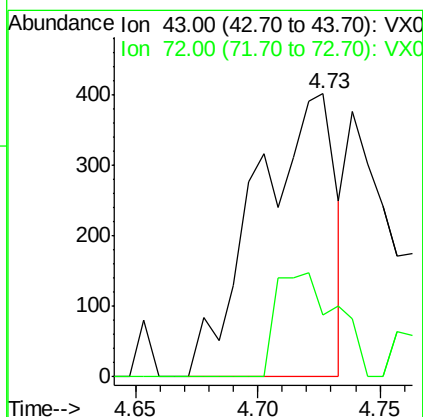
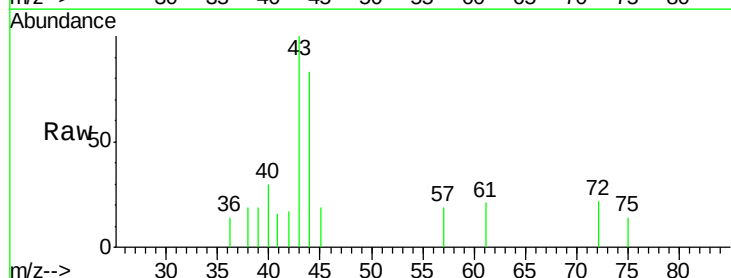
Instrument :
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ClientSampleId :
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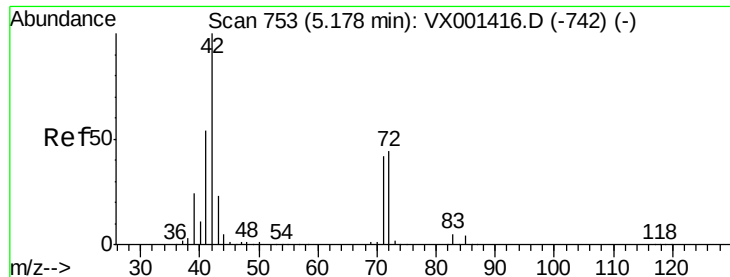
Tgt Ion:	84	Resp:	67842
Ion	Ratio	Lower	Upper
84	100		
49	125.0	96.6	144.8
51	37.9	29.0	43.4
86	64.0	52.2	78.4



#25
2-Butanone
Concen: 0.38 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX001485.D
Acq: 08 May 2018 00:40

Tgt Ion:	43	Resp:	898
Ion	Ratio	Lower	Upper
43	100		
72	21.9	20.7	31.1





#29

Tetrahydrofuran

Concen: 0.55 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001485.D

Acq: 08 May 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-B

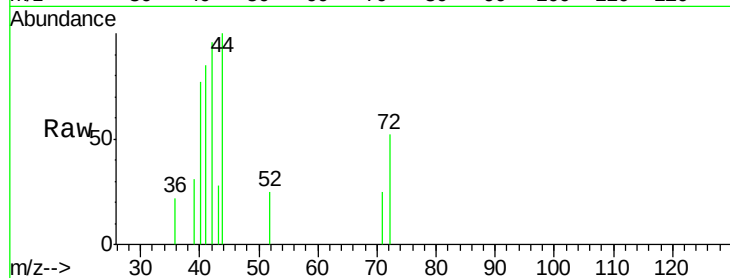
Tgt Ion: 42 Resp: 839

Ion Ratio Lower Upper

42 100

72 30.5 35.4 53.2#

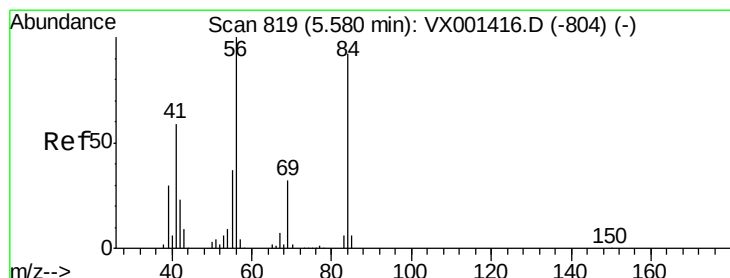
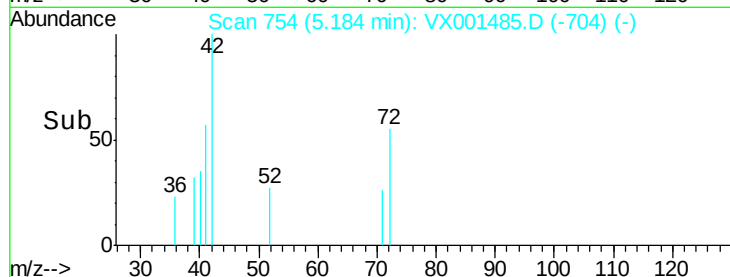
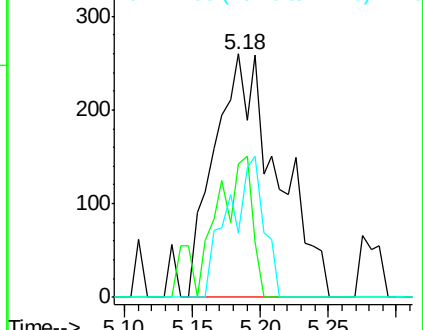
71 32.4 33.0 49.4#



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: 0.98 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001485.D

Acq: 08 May 2018 00:40

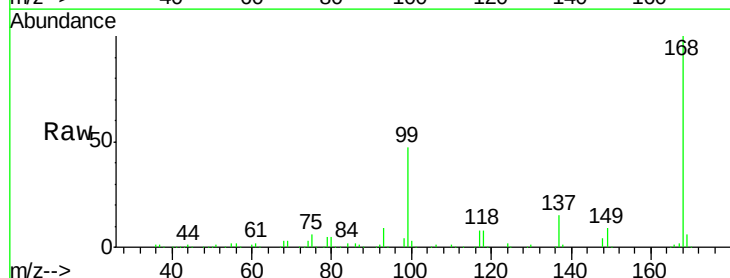
Tgt Ion: 56 Resp: 4569

Ion Ratio Lower Upper

56 100

69 180.9 25.4 38.0#

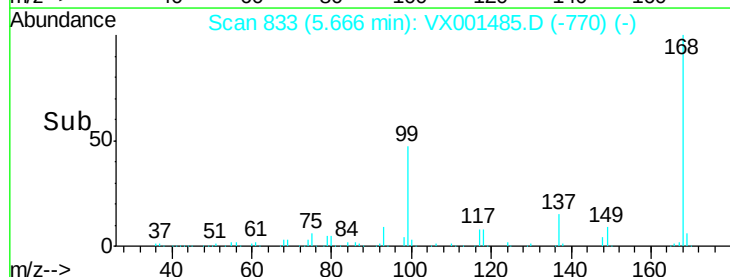
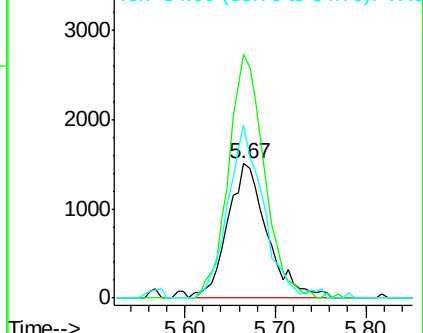
84 128.2 73.8 110.8#

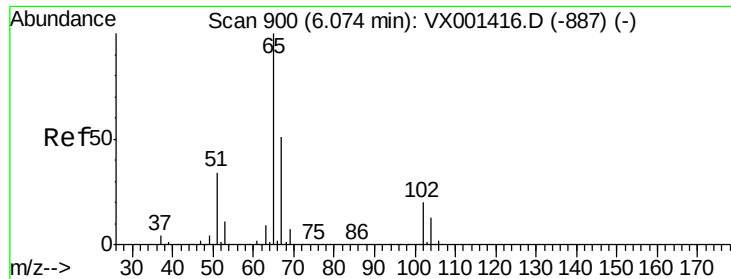


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

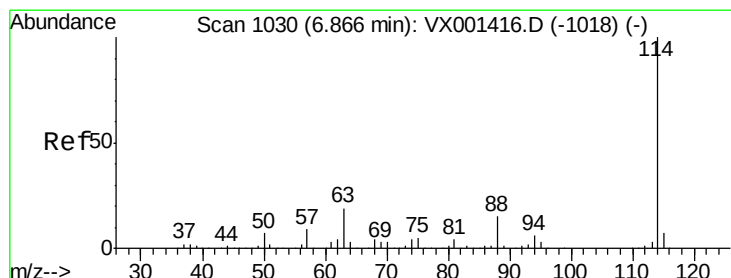
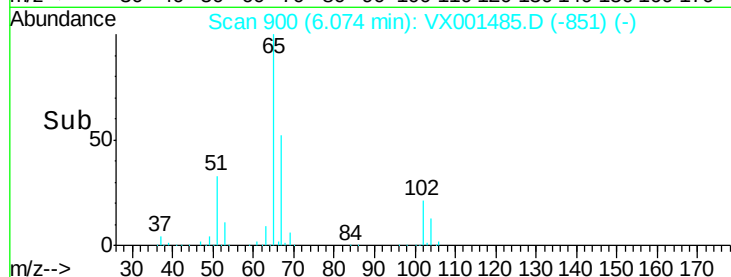
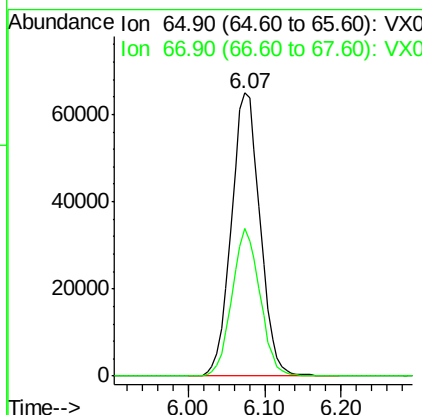
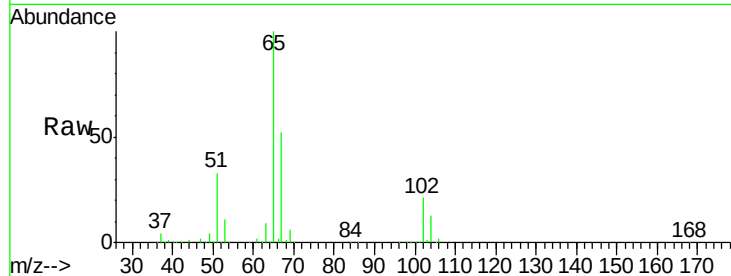




#33
 1,2-Dichloroethane-d4
 Concen: 46.72 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001485.D
 Acq: 08 May 2018 00:40

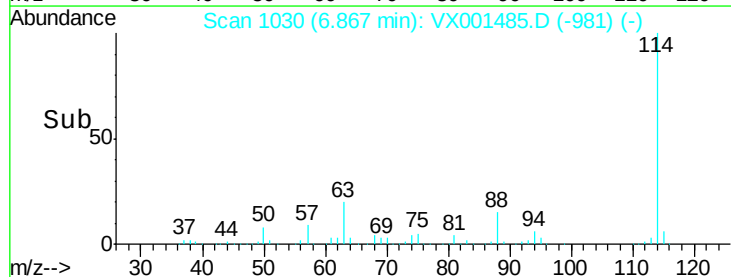
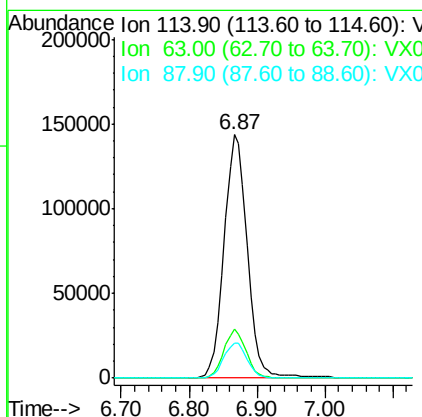
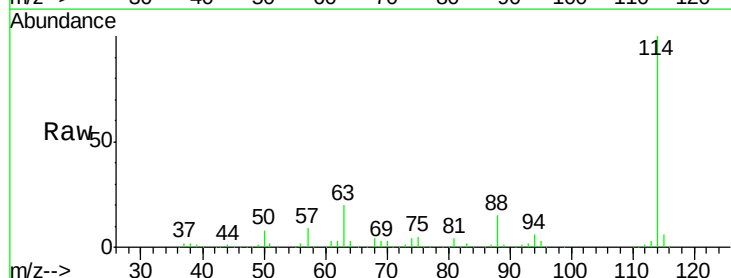
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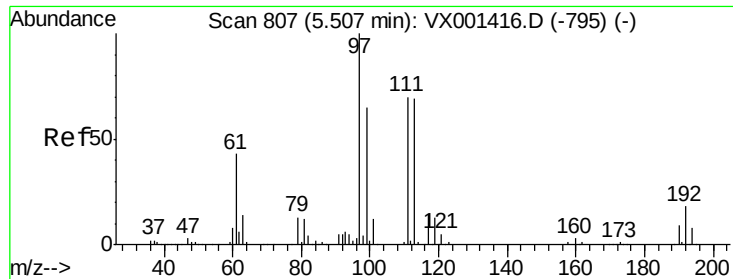
Tgt Ion: 65 Resp: 168928
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001485.D
 Acq: 08 May 2018 00:40

Tgt Ion: 114 Resp: 341068
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.6
 88 14.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 43.00 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001485.D

Acq: 08 May 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-B

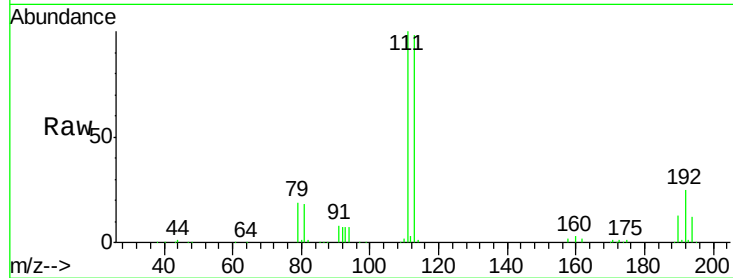
Tgt Ion:113 Resp: 130440

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

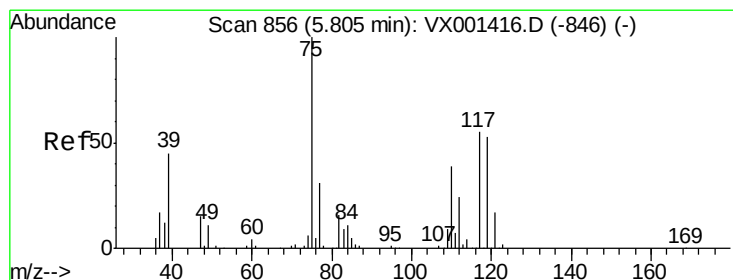
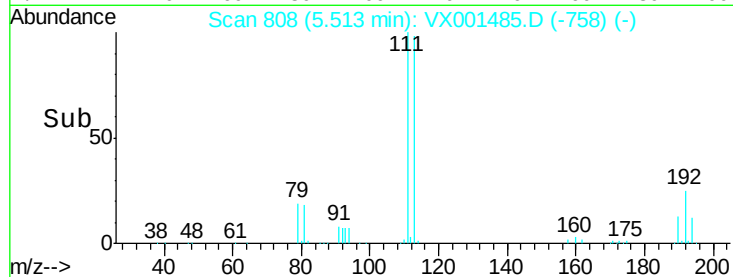
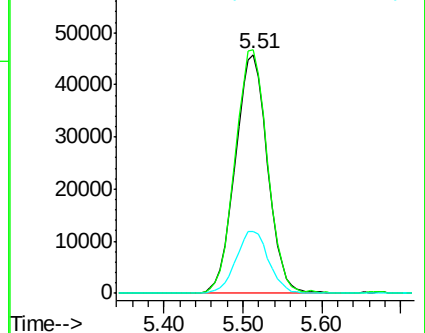
192 26.3 21.4 32.0



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: 3.61 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001485.D

Acq: 08 May 2018 00:40

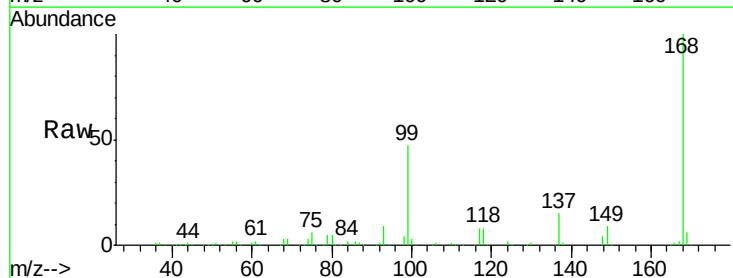
Tgt Ion: 75 Resp: 15666

Ion Ratio Lower Upper

75 100

110 10.9 18.9 56.7#

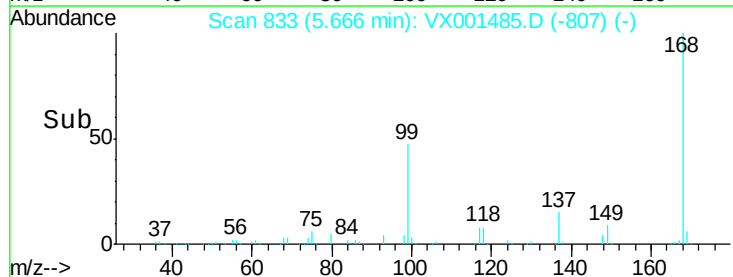
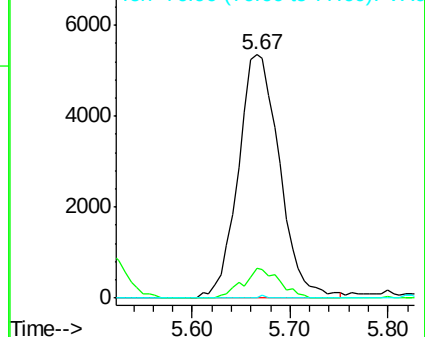
77 0.1 24.9 37.3#

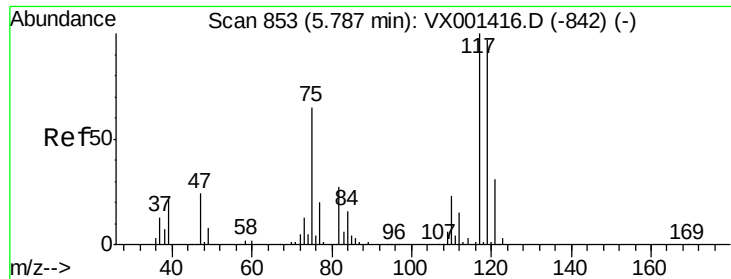


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.60 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001485.D

Acq: 08 May 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-B

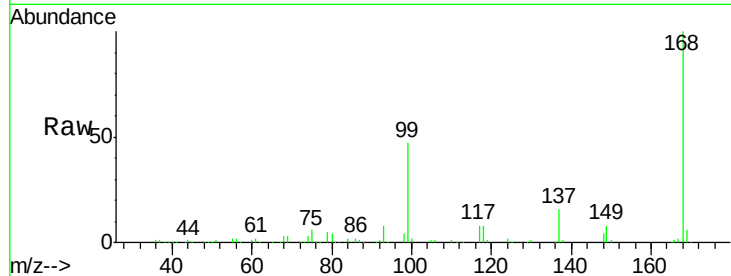
Tgt Ion:117 Resp: 21263

Ion Ratio Lower Upper

117 100

119 6.9 77.0 115.6#

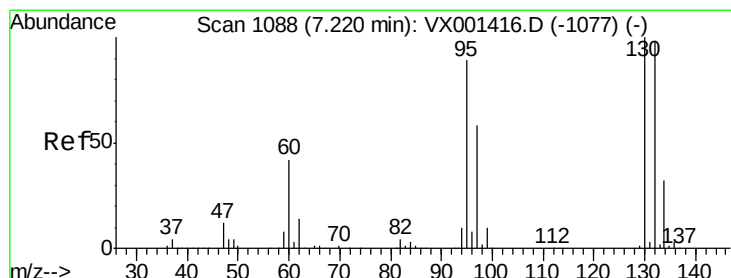
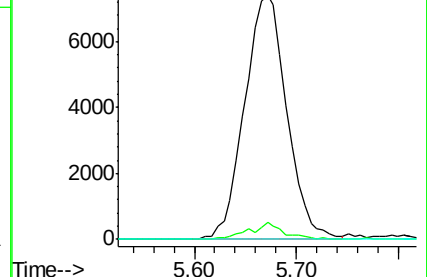
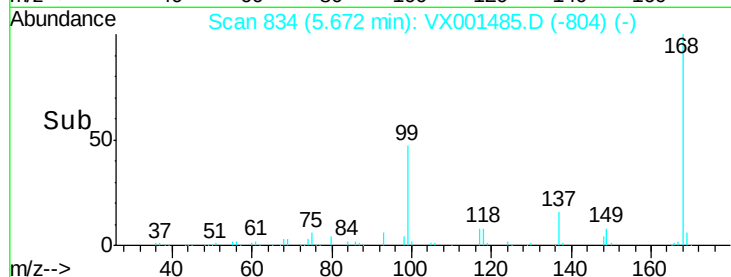
121 0.0 25.1 37.7#



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



#44

Trichloroethene

Concen: 2.61 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001485.D

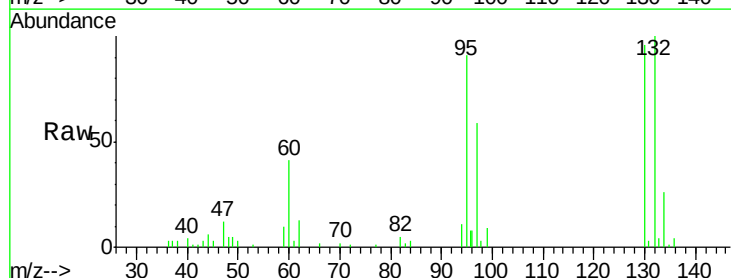
Acq: 08 May 2018 00:40

Tgt Ion:130 Resp: 10112

Ion Ratio Lower Upper

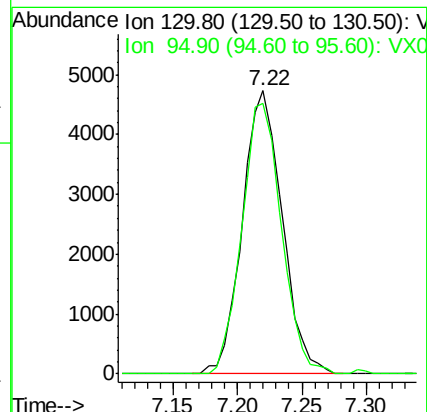
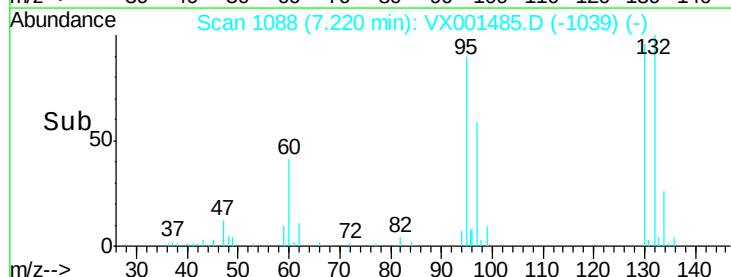
130 100

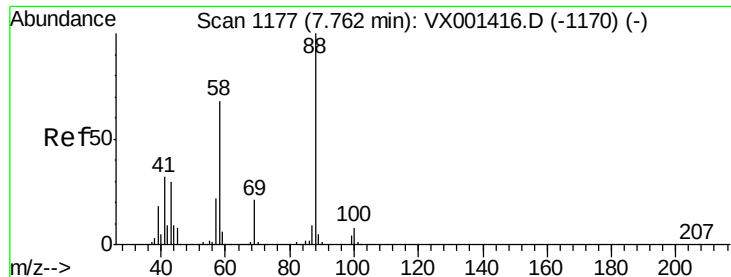
95 95.7 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.23 ug/l

RT: 7.96 min Scan# 1210

Delta R.T. 0.20 min

Lab File: VX001485.D

Acq: 08 May 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-B

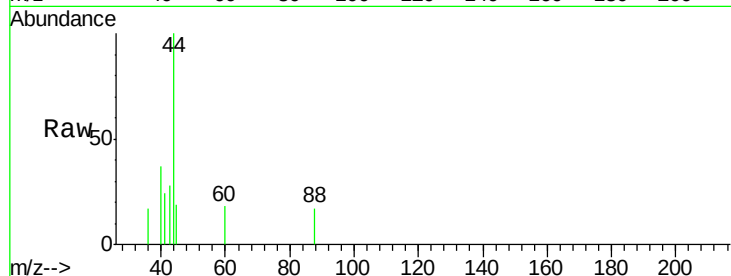
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 26.4 39.6#

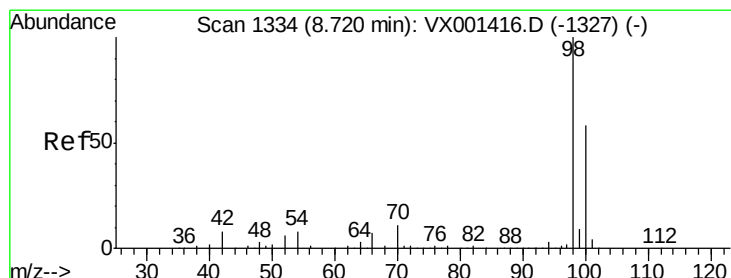
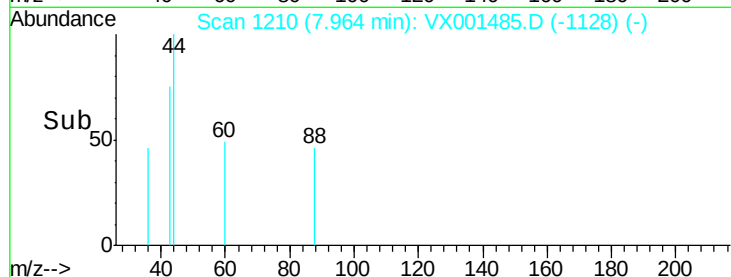
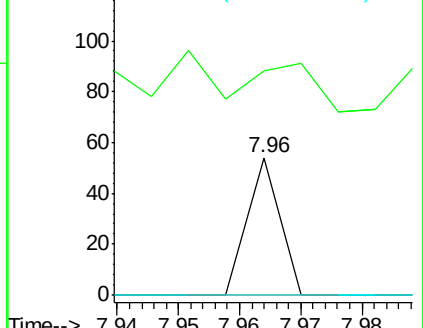
58 0.0 54.1 81.1#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 42.51 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001485.D

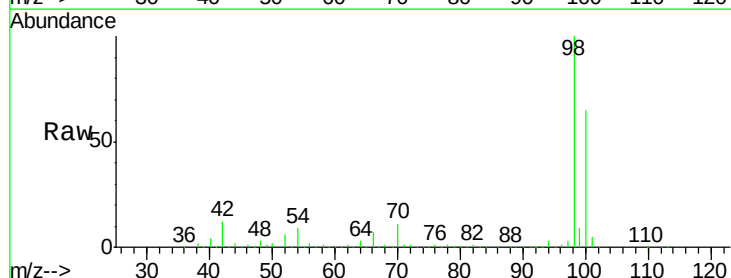
Acq: 08 May 2018 00:40

Tgt Ion: 98 Resp: 470748

Ion Ratio Lower Upper

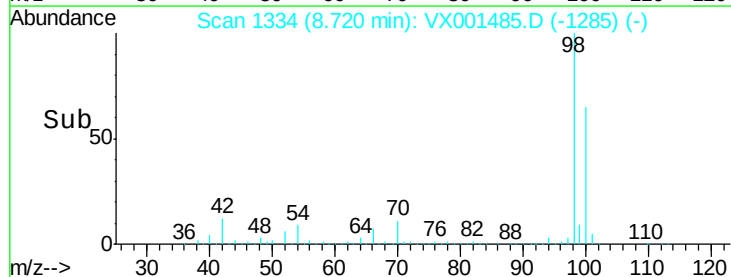
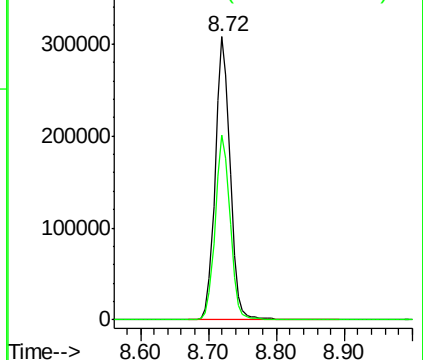
98 100

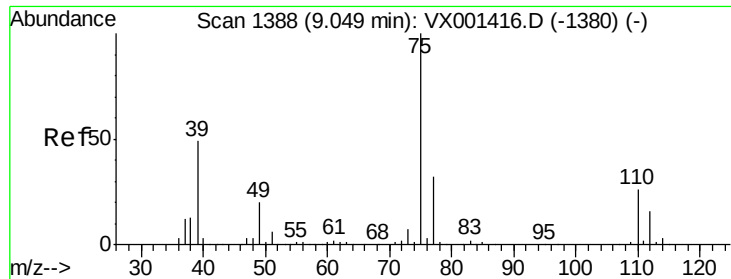
100 65.7 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



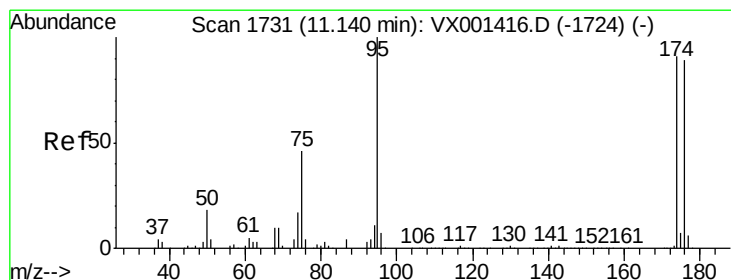
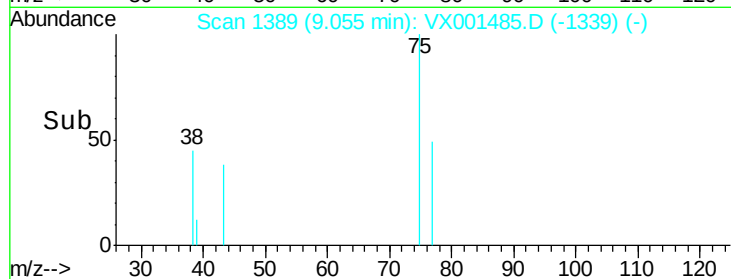
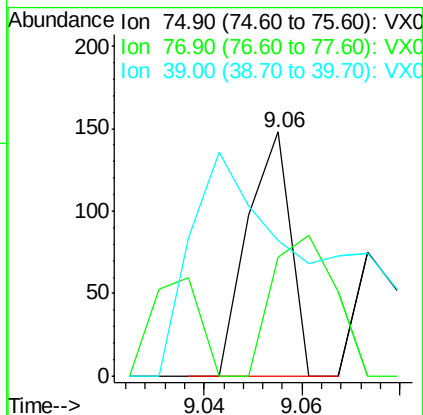
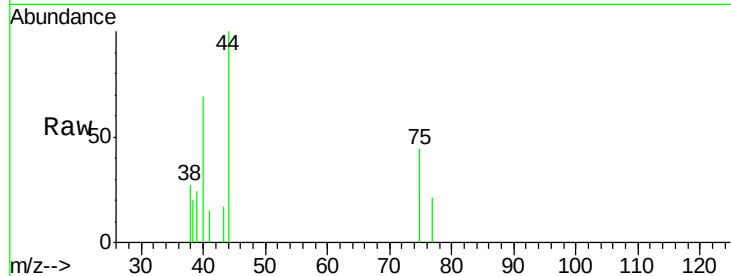


#54

cis-1,3-Dichloropropene
Concen: 2.28 ug/l
RT: 9.06 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VX001485.D
Acq: 08 May 2018 00:40

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

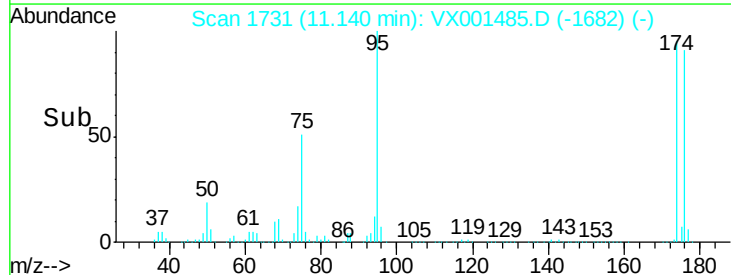
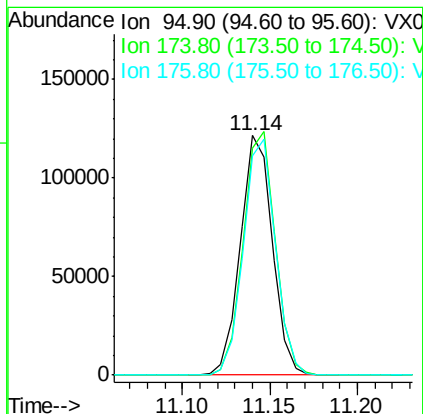
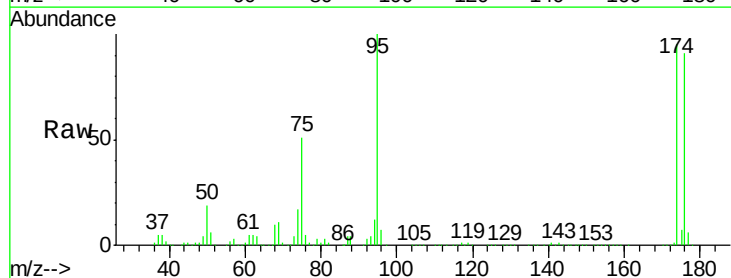
Tgt Ion: 75 Resp: 90
Ion Ratio Lower Upper
75 100
77 14.2 25.5 38.3#
39 6.1 38.9 58.3#

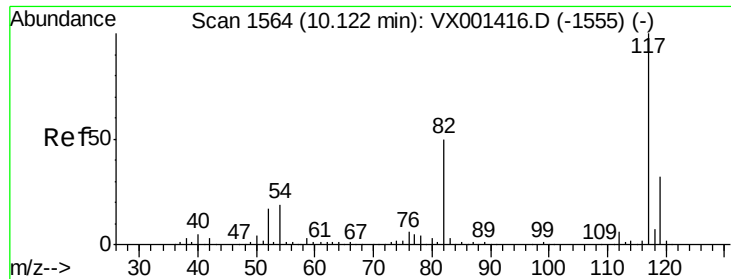


#62

4-Bromofluorobenzene
Concen: 36.40 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001485.D
Acq: 08 May 2018 00:40

Tgt Ion: 95 Resp: 154726
Ion Ratio Lower Upper
95 100
174 102.2 0.0 202.0
176 98.9 0.0 197.4

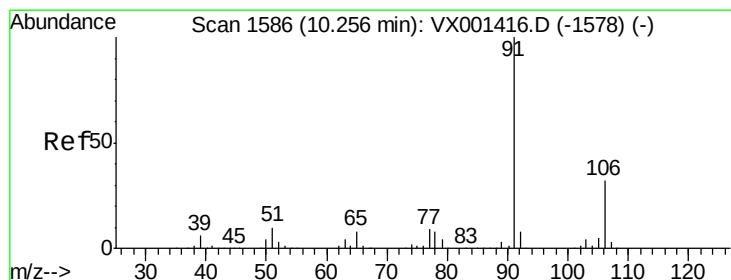
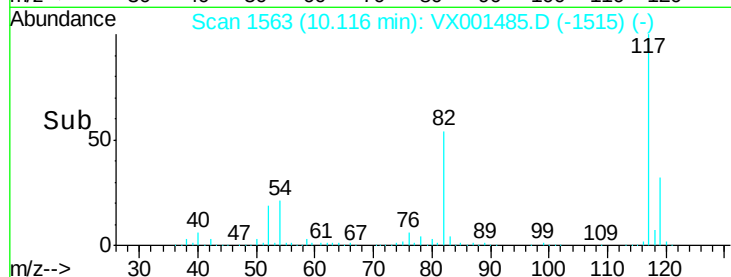
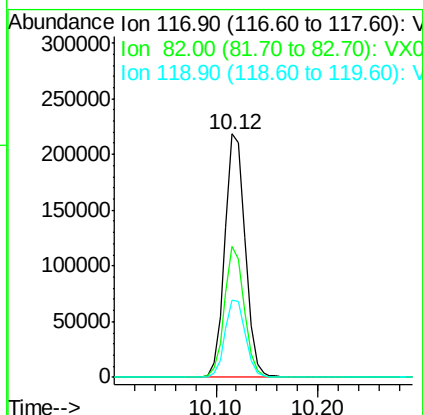
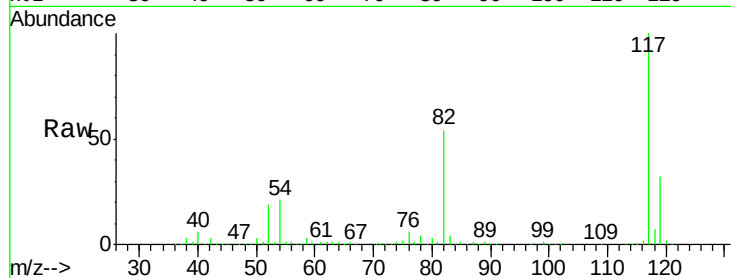




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001485.D
Acq: 08 May 2018 00:40

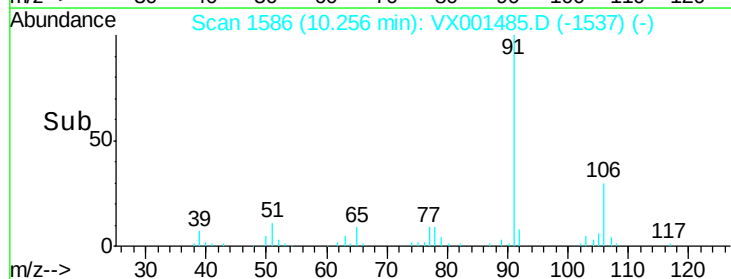
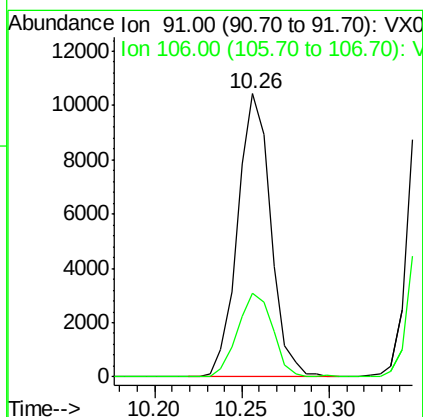
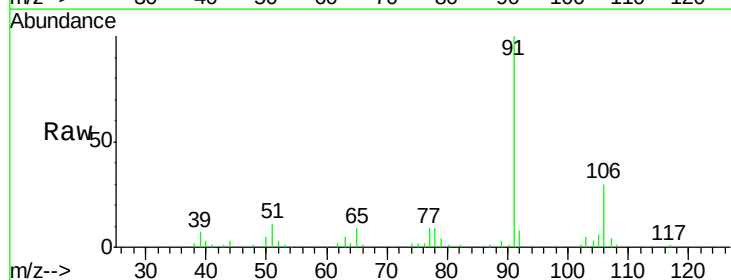
Instrument :
MSVOA_X
ClientSampleId :
PL-02-050418-B

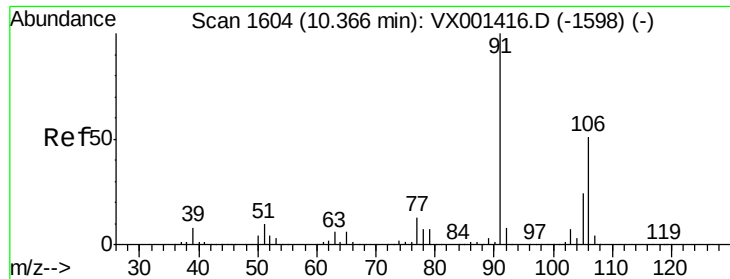
Tgt Ion: 117 Resp: 302517
Ion Ratio Lower Upper
117 100
82 53.7 40.0 60.0
119 31.8 25.8 38.8



#67
Ethyl Benzene
Concen: 0.94 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001485.D
Acq: 08 May 2018 00:40

Tgt Ion: 91 Resp: 13695
Ion Ratio Lower Upper
91 100
106 29.6 25.5 38.3

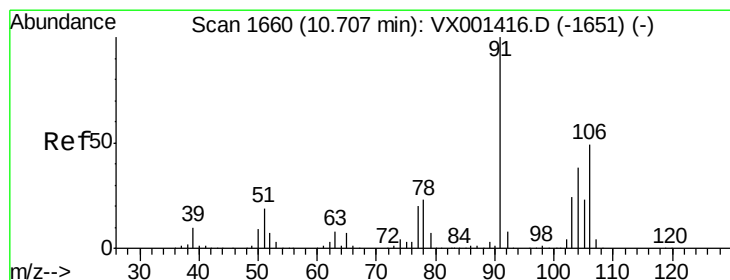
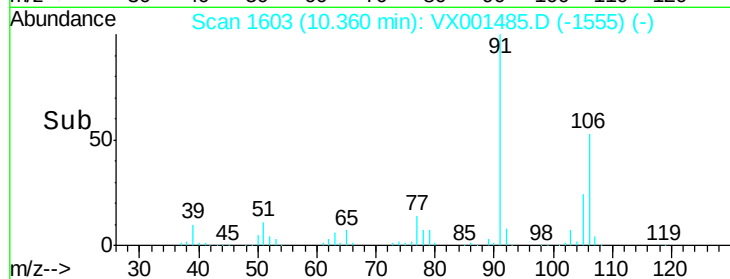
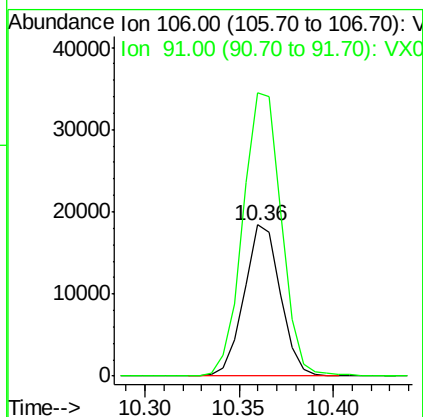
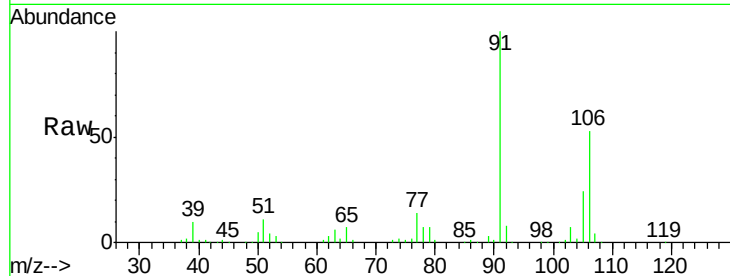




#68
m/p-Xylenes
Concen: 4.28 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX001485.D
Acq: 08 May 2018 00:40

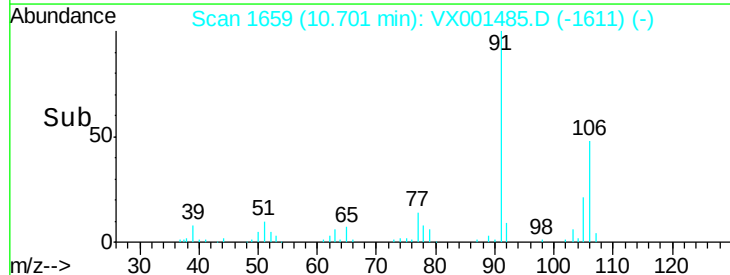
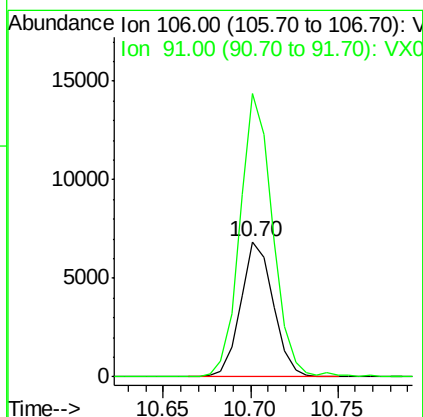
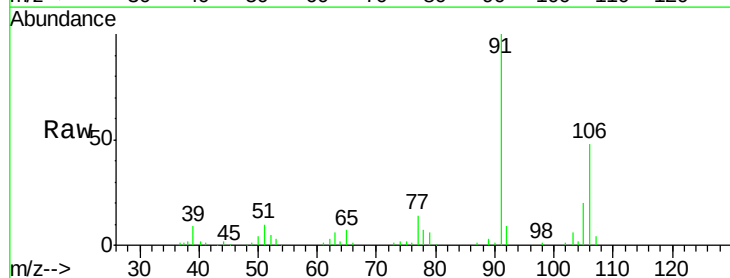
Instrument :
MSVOA_X
ClientSampleId :
PL-02-050418-B

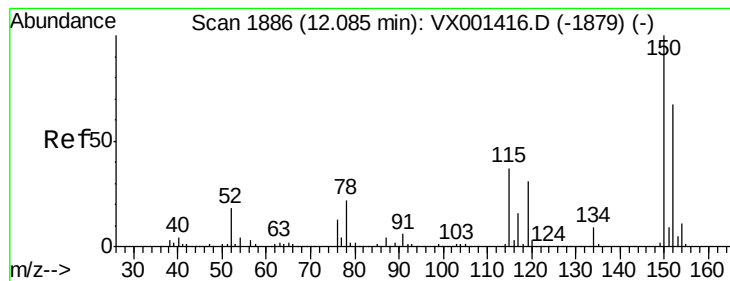
Tgt Ion:106 Resp: 24609
Ion Ratio Lower Upper
106 100
91 199.2 157.5 236.3



#69
o-Xylene
Concen: 1.59 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001485.D
Acq: 08 May 2018 00:40

Tgt Ion:106 Resp: 8895
Ion Ratio Lower Upper
106 100
91 208.9 103.1 309.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001485.D

Acq: 08 May 2018 00:40

Instrument :

MSVOA_X

ClientSampleId :

PL-02-050418-B

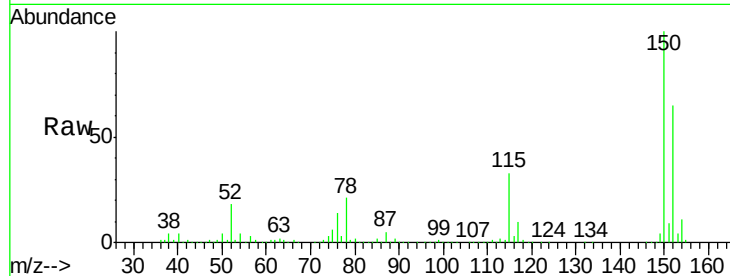
Tgt Ion:152 Resp: 164744

Ion Ratio Lower Upper

152 100

115 52.5 37.7 113.1

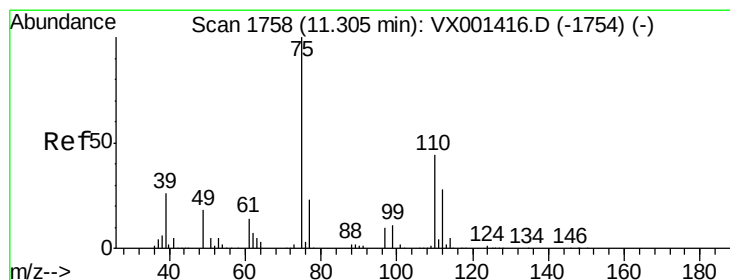
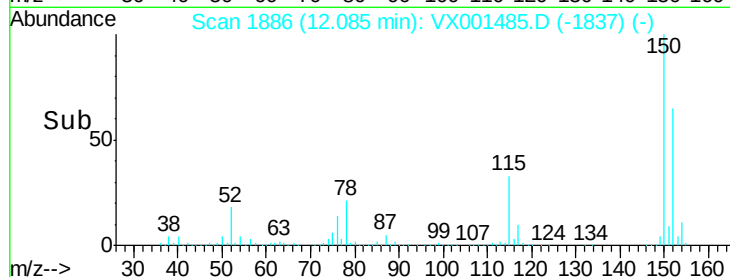
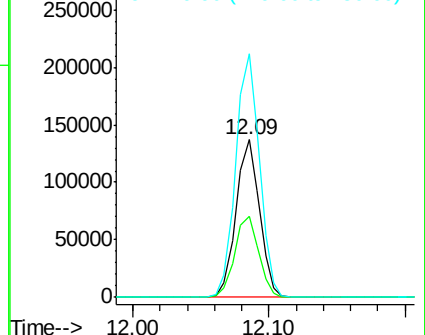
150 156.1 0.0 349.4



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: 23.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001485.D

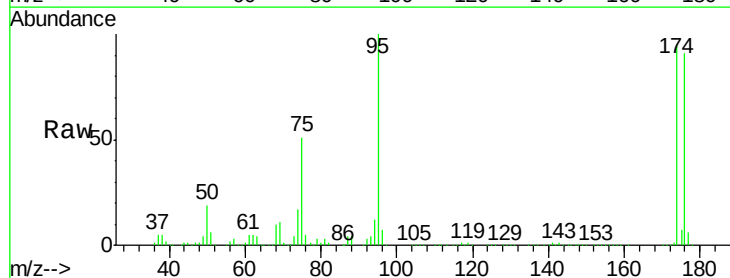
Acq: 08 May 2018 00:40

Tgt Ion: 75 Resp: 77197

Ion Ratio Lower Upper

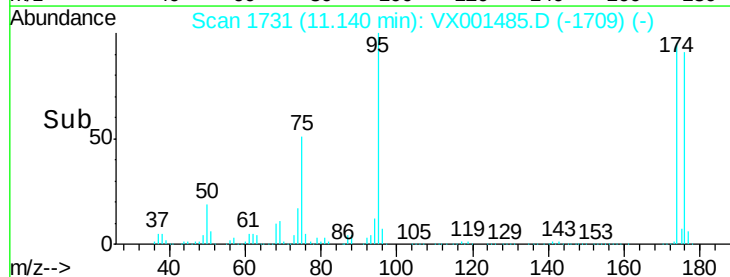
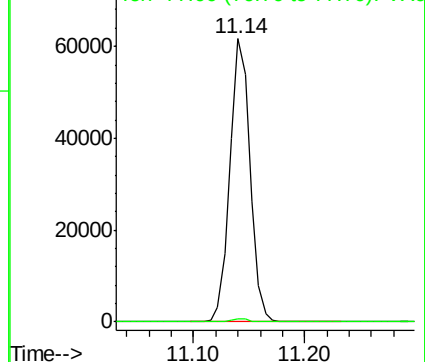
75 100

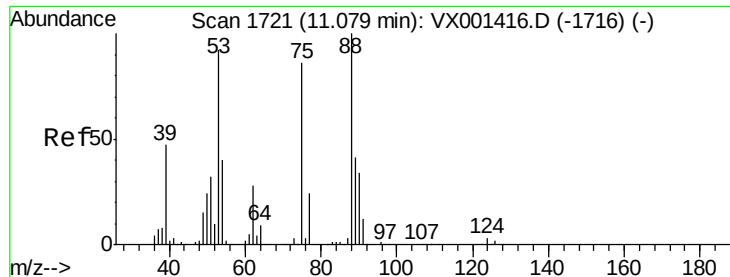
77 1.1 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

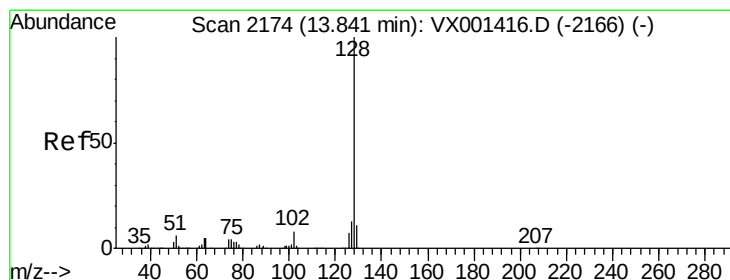
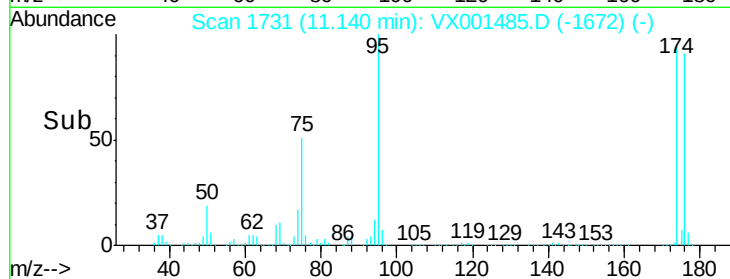
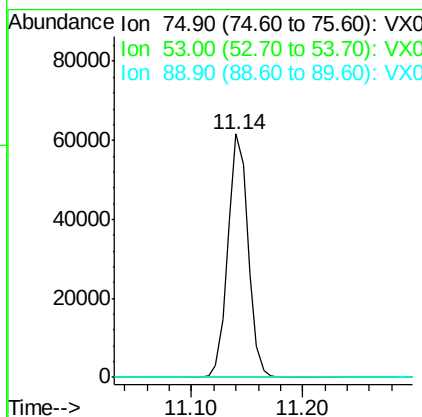
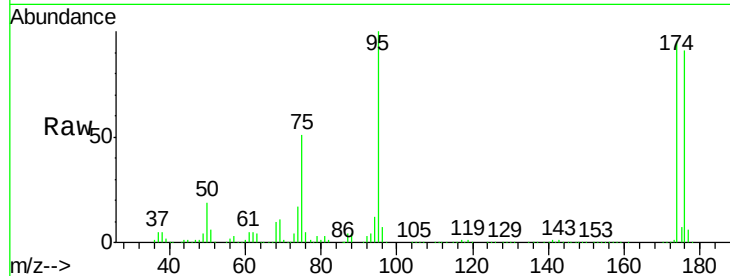




#81
trans-1,4-Dichloro-2-butene
Concen: 71.64 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001485.D
Acq: 08 May 2018 00:40

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

Tgt Ion: 75 Resp: 77197
Ion Ratio Lower Upper
75 100
53 0.0 84.5 126.7#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 1.34 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001485.D
Acq: 08 May 2018 00:40

Tgt Ion: 128 Resp: 16314
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.9 8.7 13.1

