

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
 Data File : VX001536.D
 Acq On : 09 May 2018 02:01
 Operator : JC/MD
 Sample : J2676-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-050718-A

Quant Time: May 09 06:53:08 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	243684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	334305	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	165786	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
35) Dibromofluoromethane	5.51	113	129321	43.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.98%	
50) Toluene-d8	8.72	98	466177	42.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.90%	
62) 4-Bromofluorobenzene	11.14	95	155546	37.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.66%	

Target Compounds

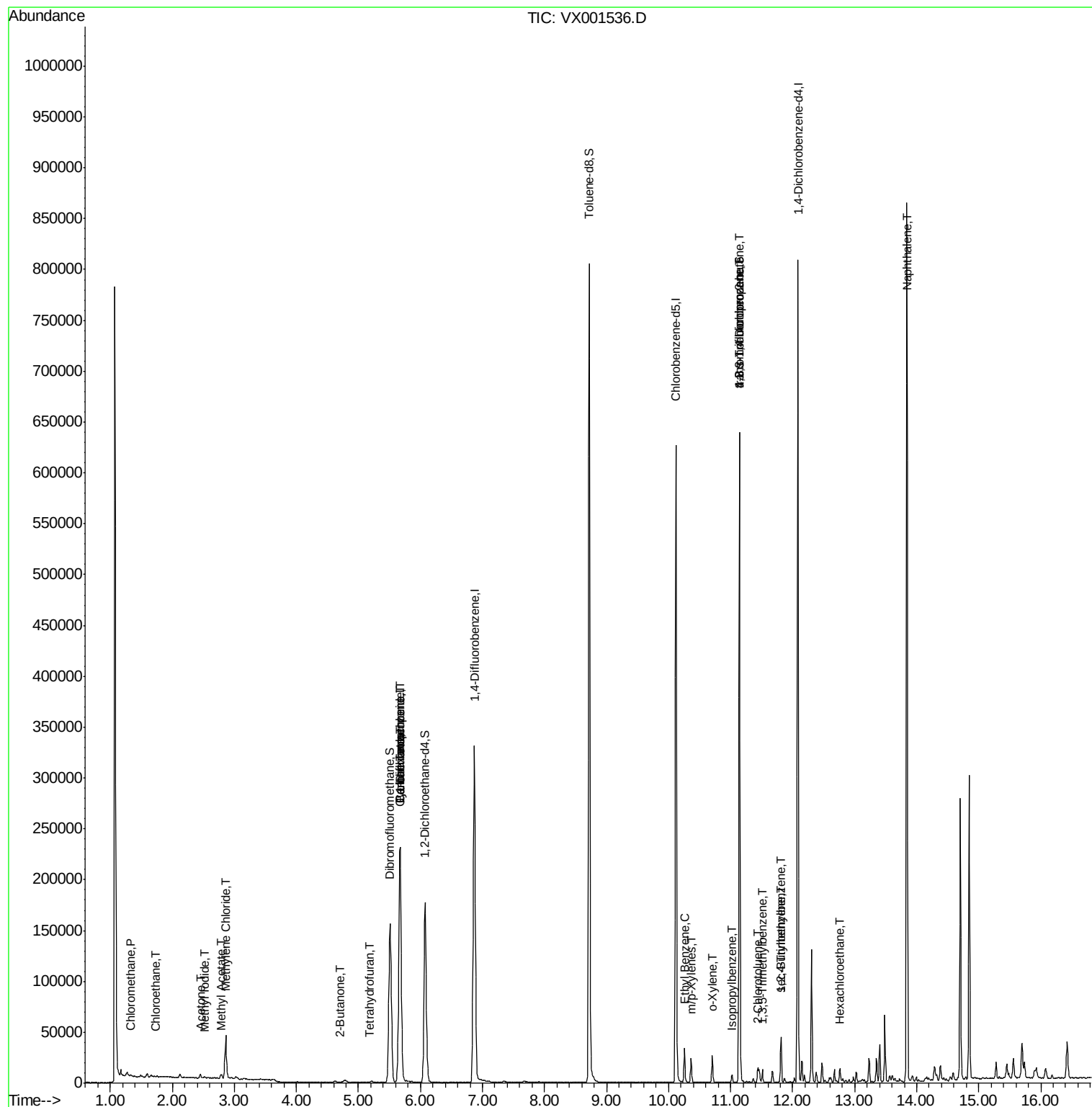
						Qvalue
3) Chloromethane	1.32	50	777	0.24	ug/l	96
5) Bromomethane	1.66	94	1118	Below	Cal	96
6) Chloroethane	1.72	64	2956	1.34	ug/l #	43
10) Methyl Iodide	2.52	142	1060	0.25	ug/l #	90
13) Acrolein	2.29	56	49	Below	Cal #	16
16) Acetone	2.45	43	3834	2.41	ug/l	98
18) Methyl Acetate	2.78	43	5103	1.22	ug/l	97
20) Methylene Chloride	2.86	84	18692	5.94	ug/l	97
25) 2-Butanone	4.71	43	890	0.39	ug/l	90
29) Tetrahydrofuran	5.18	42	726	0.49	ug/l #	52
31) Cyclohexane	5.66	56	4412	0.98	ug/l #	32
36) 1,1-Dichloropropene	5.67	75	15810	3.72	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21273	4.69	ug/l #	15
67) Ethyl Benzene	10.26	91	17661	1.24	ug/l	99
68) m/p-Xylenes	10.36	106	5701	1.02	ug/l	98
69) o-Xylene	10.70	106	5705	1.05	ug/l	99
73) Isopropylbenzene	11.02	105	3630	0.31	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	77775	22.82	ug/l #	38
79) 2-Chlorotoluene	11.44	91	1664	0.21	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.51	105	4994	0.52	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.14	75	77775	70.80	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	20182	2.03	ug/l	96
85) sec-Butylbenzene	11.81	105	20182	1.74	ug/l #	54
90) Hexachloroethane	12.76	117	5514	3.45	ug/l #	1
95) Naphthalene	13.84	128	524236	42.11	ug/l	100

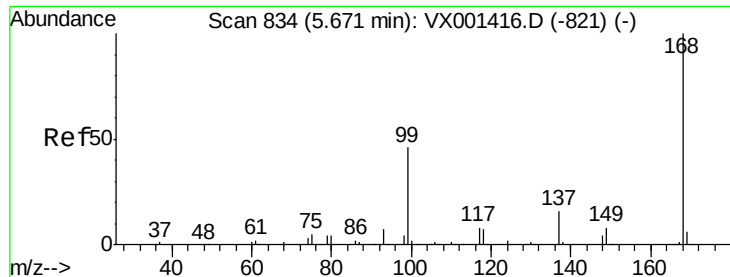
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001536.D

Acq: 09 May 2018 02:01

Instrument :

MSVOA_X

ClientSampleId :

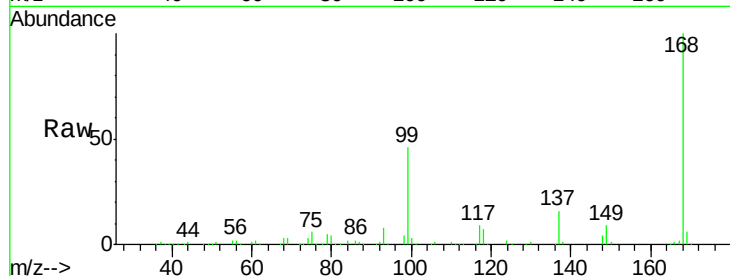
CL-01-050718-A

Tgt Ion:168 Resp: 243684

Ion Ratio Lower Upper

168 100

99 46.1 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

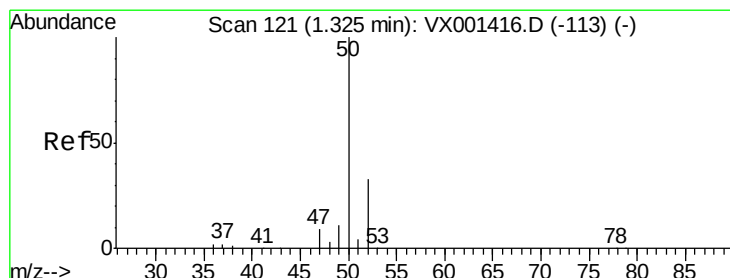
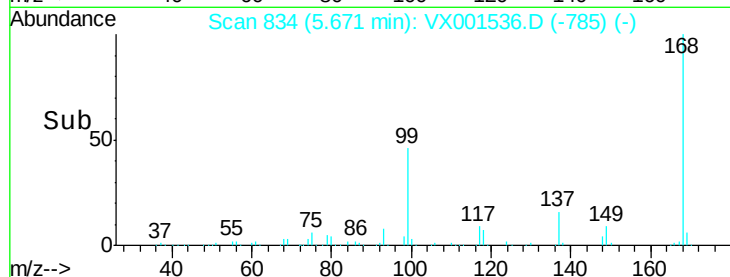
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.24 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001536.D

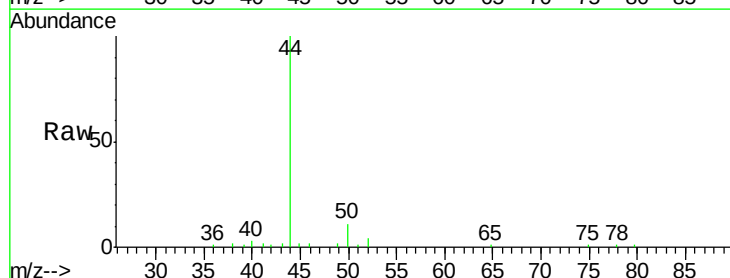
Acq: 09 May 2018 02:01

Tgt Ion: 50 Resp: 777

Ion Ratio Lower Upper

50 100

52 35.3 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

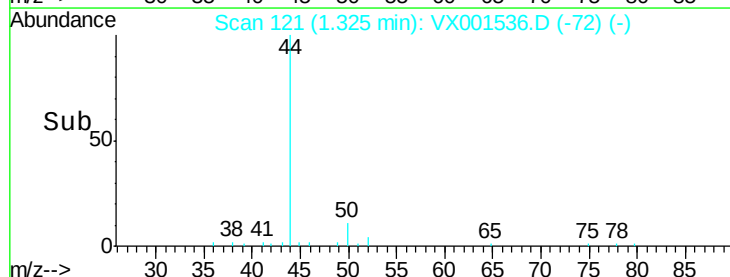
400

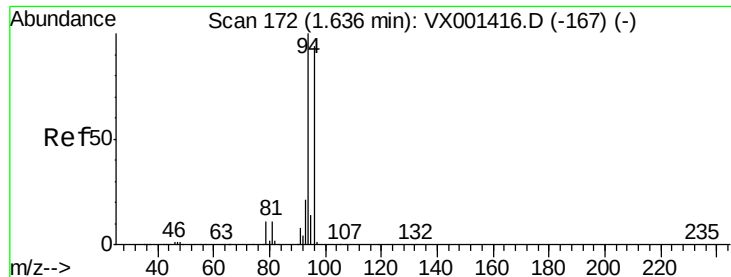
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001536.D

Acq: 09 May 2018 02:01

Instrument :

MSVOA_X

ClientSampleId :

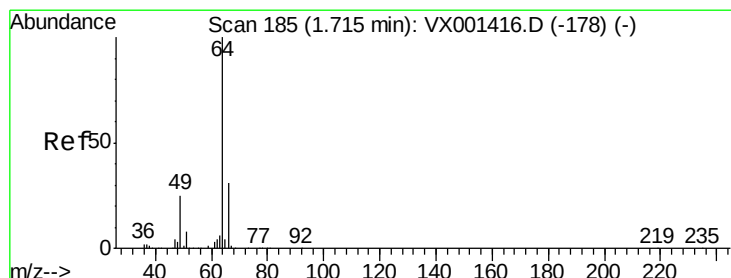
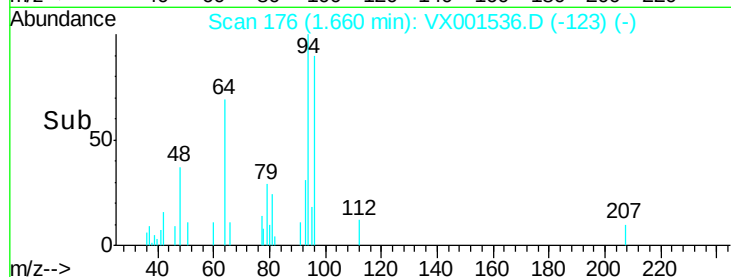
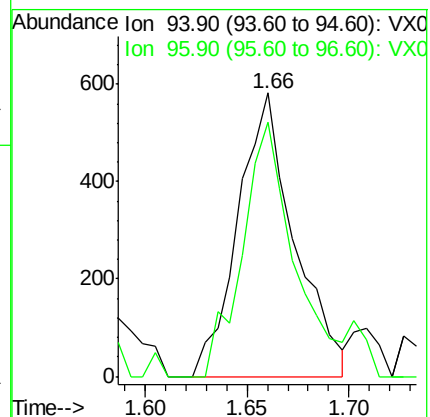
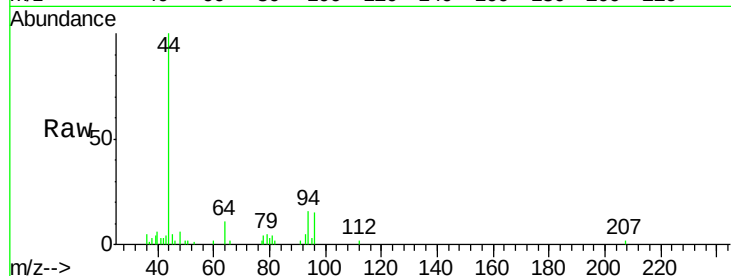
CL-01-050718-A

Tgt Ion: 94 Resp: 1118

Ion Ratio Lower Upper

94 100

96 89.7 75.0 112.6



#6

Chloroethane

Concen: 1.34 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001536.D

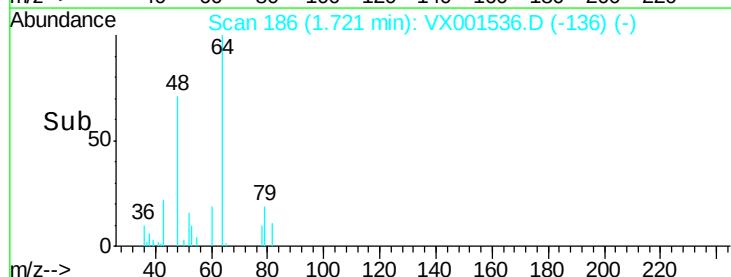
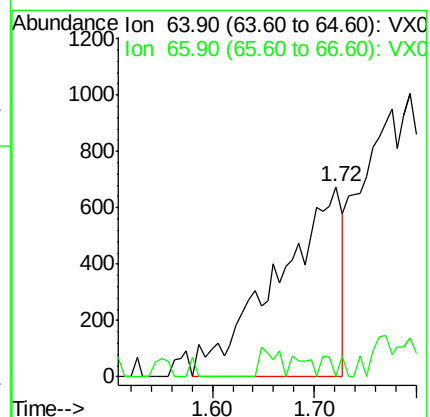
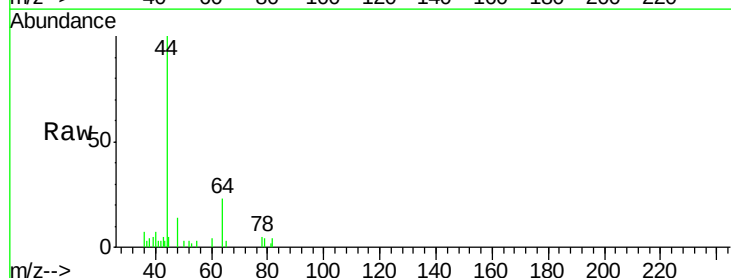
Acq: 09 May 2018 02:01

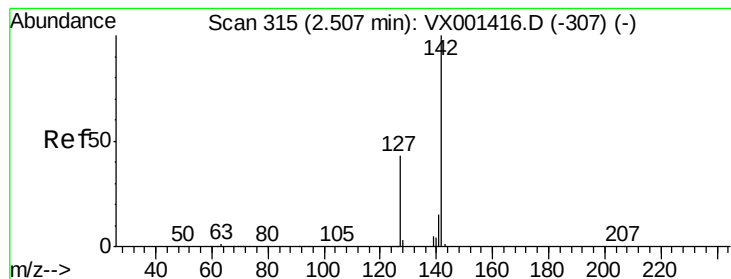
Tgt Ion: 64 Resp: 2956

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#





#10

Methyl Iodide

Concen: 0.25 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001536.D

Acq: 09 May 2018 02:01

Instrument :

MSVOA_X

ClientSampleId :

CL-01-050718-A

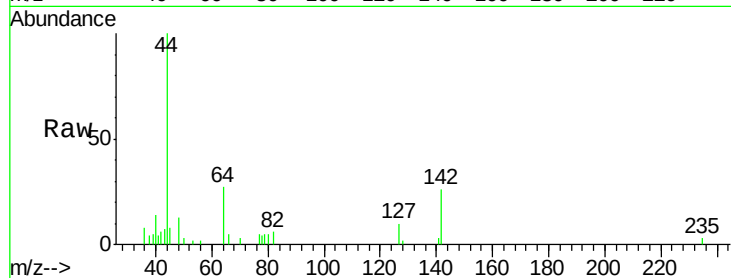
Tgt Ion: 142 Resp: 1060

Ion Ratio Lower Upper

142 100

127 46.7 33.6 50.4

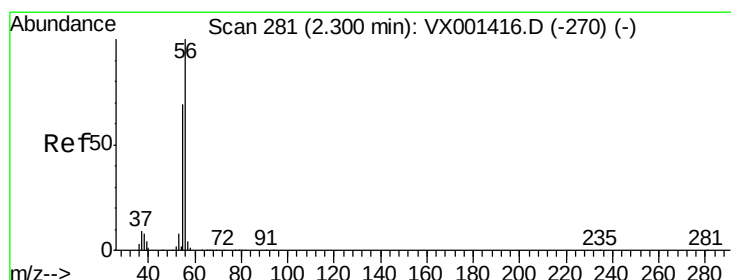
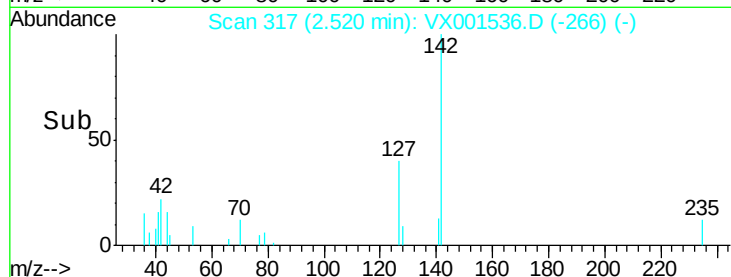
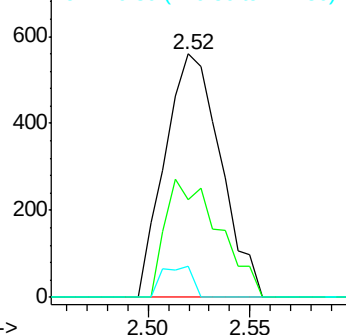
141 6.9 11.4 17.2#



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# 280

Delta R.T. -0.01 min

Lab File: VX001536.D

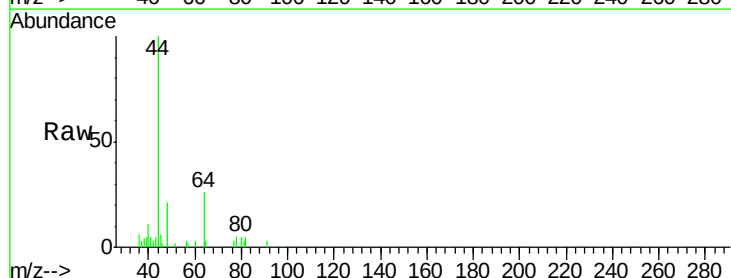
Acq: 09 May 2018 02:01

Tgt Ion: 56 Resp: 49

Ion Ratio Lower Upper

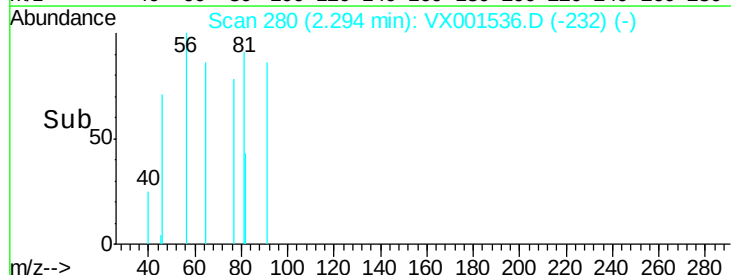
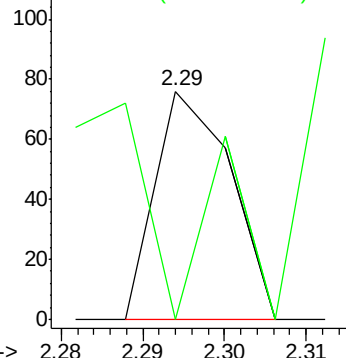
56 100

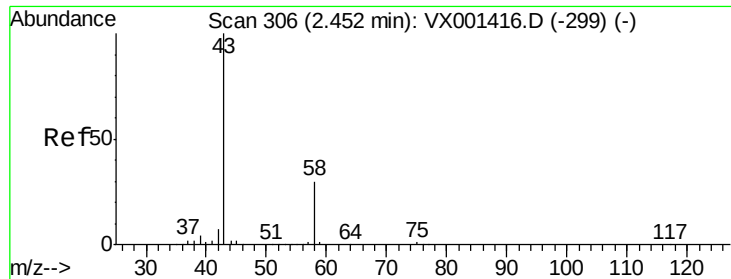
55 0.0 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

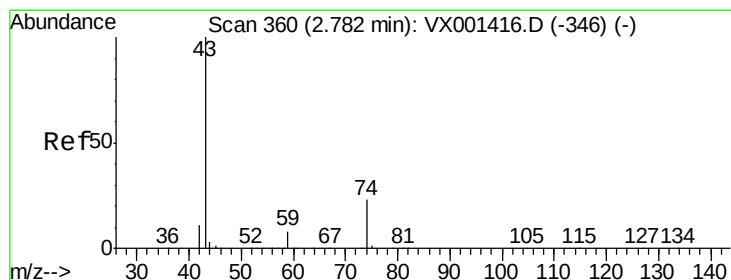
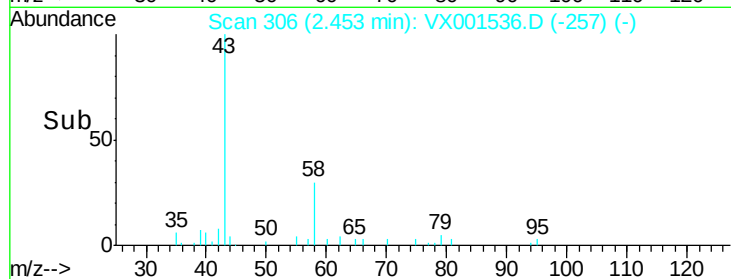
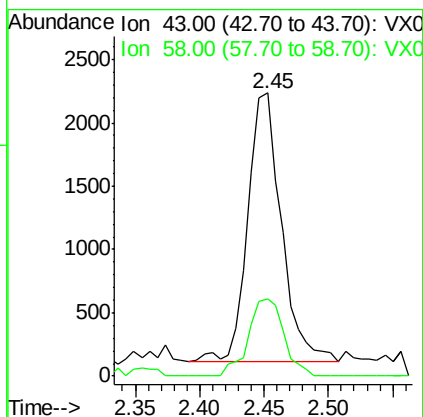
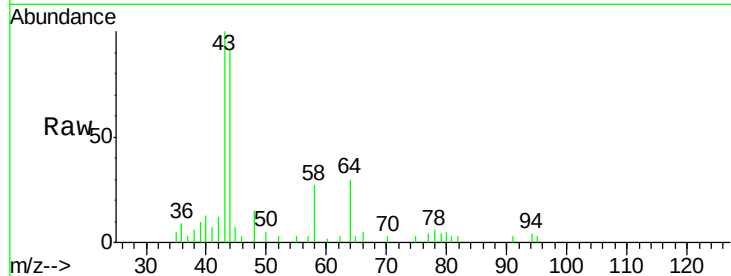




#16
Acetone
Concen: 2.41 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX001536.D
Acq: 09 May 2018 02:01

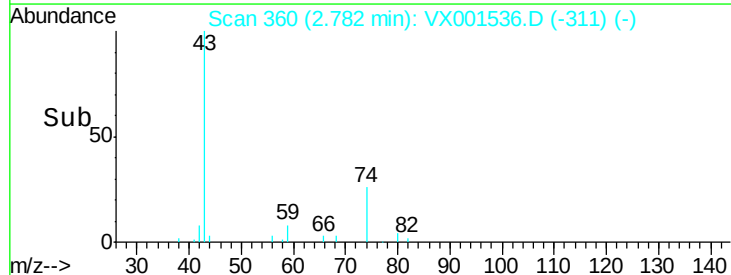
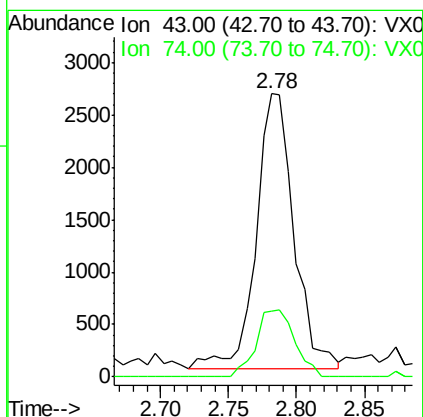
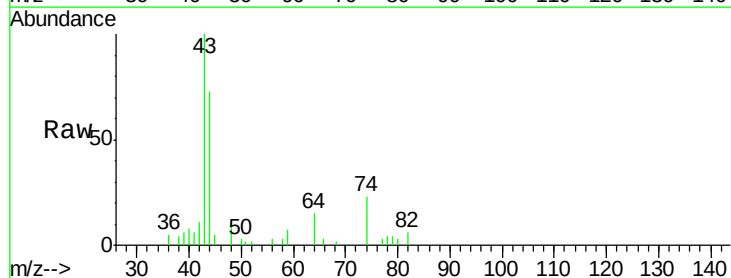
Instrument :
MSVOA_X
ClientSampleId :
CL-01-050718-A

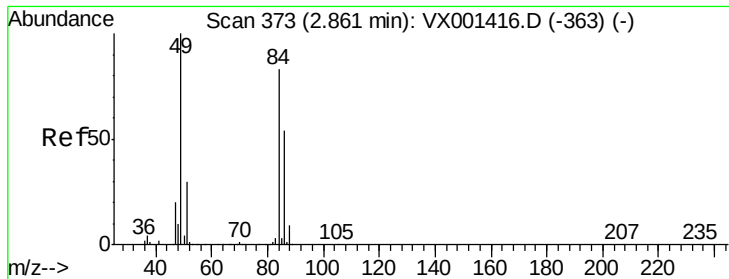
Tgt Ion: 43 Resp: 3834
Ion Ratio Lower Upper
43 100
58 28.5 23.8 35.8



#18
Methyl Acetate
Concen: 1.22 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001536.D
Acq: 09 May 2018 02:01

Tgt Ion: 43 Resp: 5103
Ion Ratio Lower Upper
43 100
74 24.8 18.6 27.8

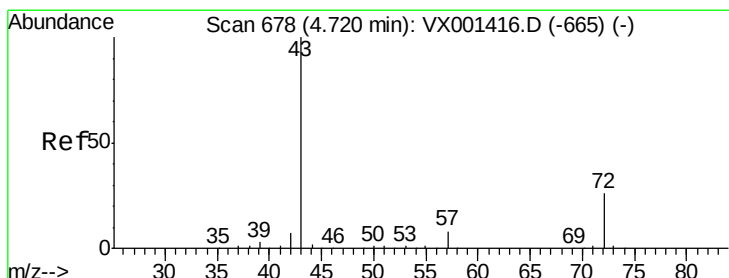
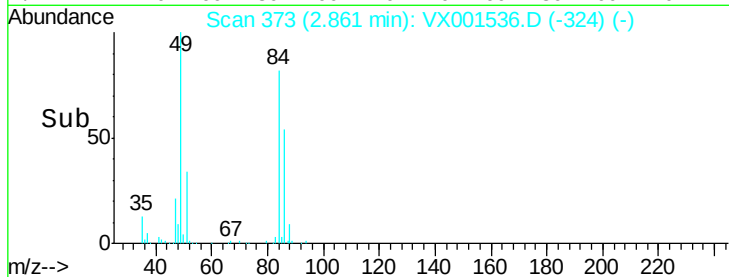
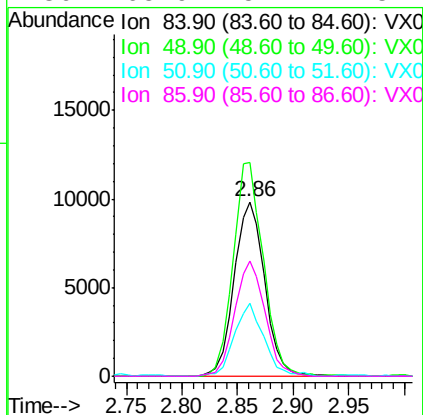
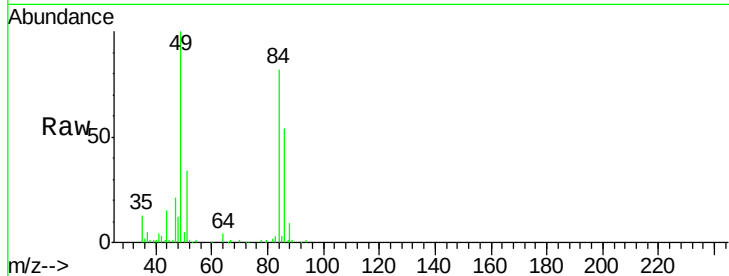




#20
Methylene Chloride
Concen: 5.94 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001536.D
Acq: 09 May 2018 02:01

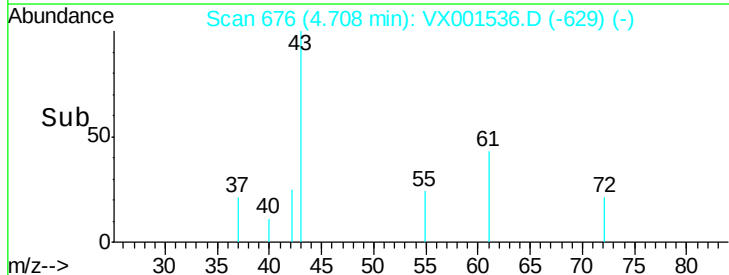
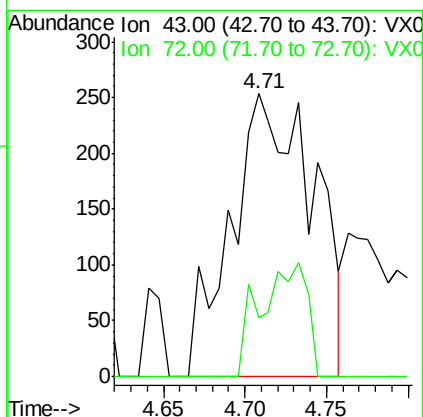
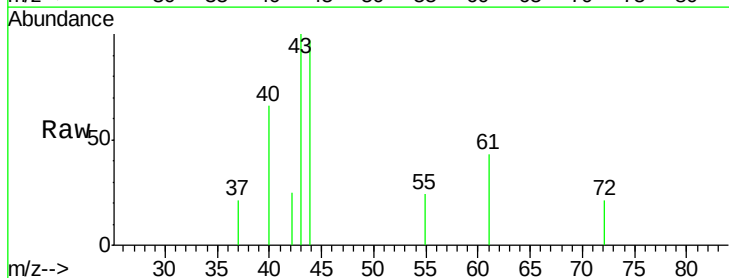
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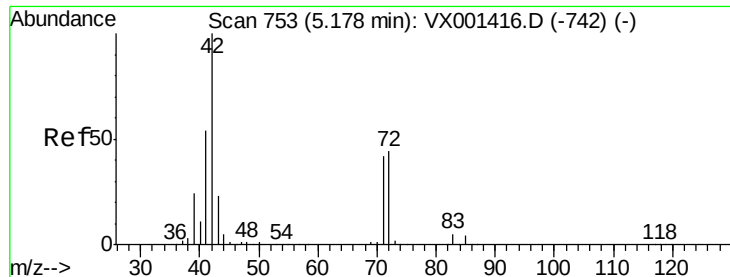
Tgt Ion:	84	Resp:	18692
Ion	Ratio	Lower	Upper
84	100		
49	122.3	96.6	144.8
51	42.0	29.0	43.4
86	65.9	52.2	78.4



#25
2-Butanone
Concen: 0.39 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX001536.D
Acq: 09 May 2018 02:01

Tgt Ion:	43	Resp:	890
Ion	Ratio	Lower	Upper
43	100		
72	20.9	20.7	31.1

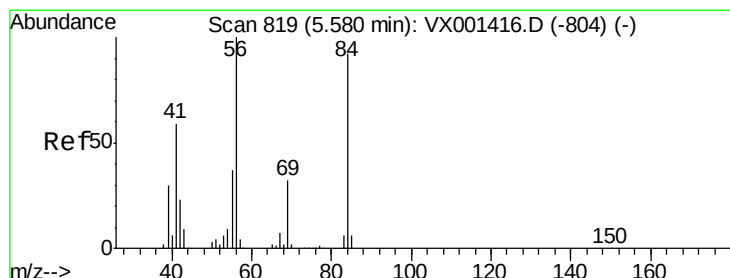
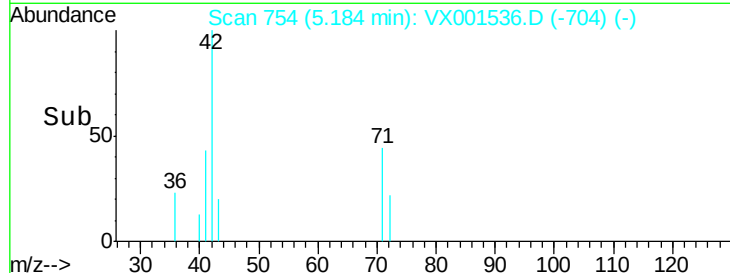
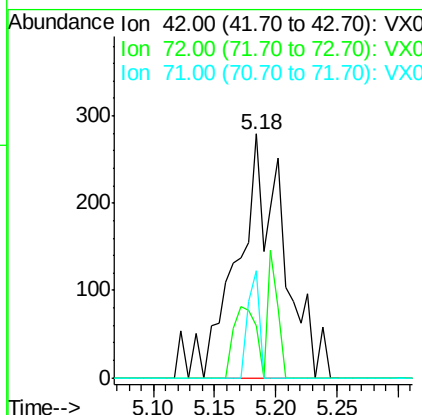
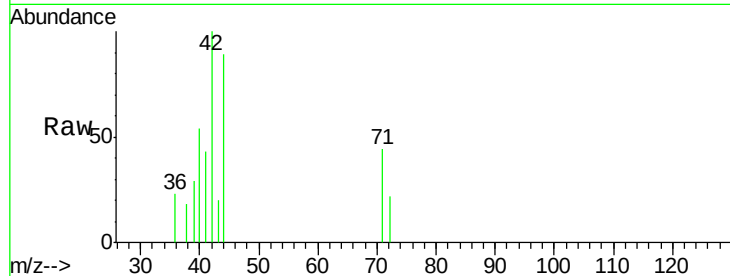




#29
Tetrahydrofuran
Concen: 0.49 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX001536.D
Acq: 09 May 2018 02:01

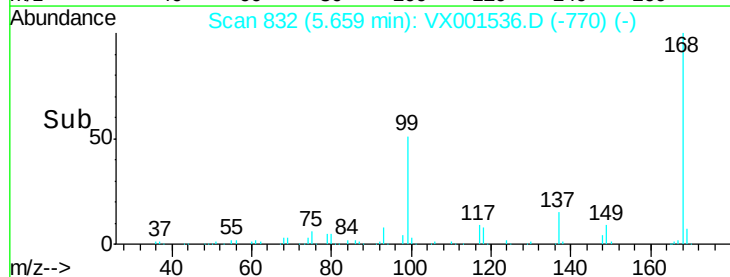
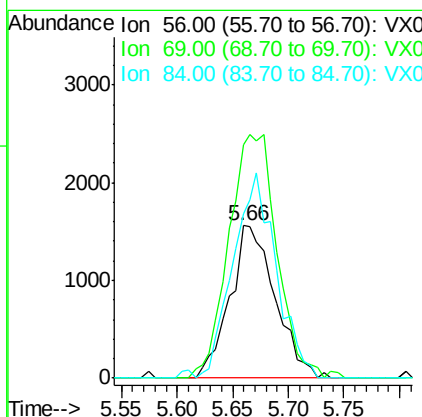
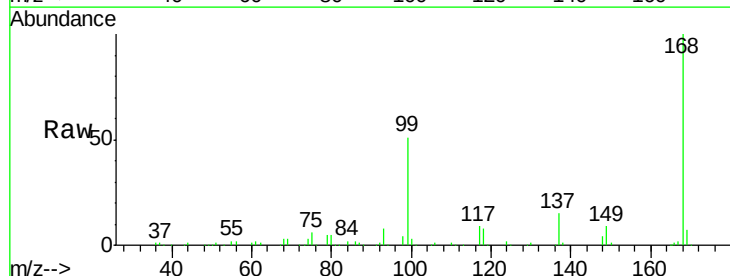
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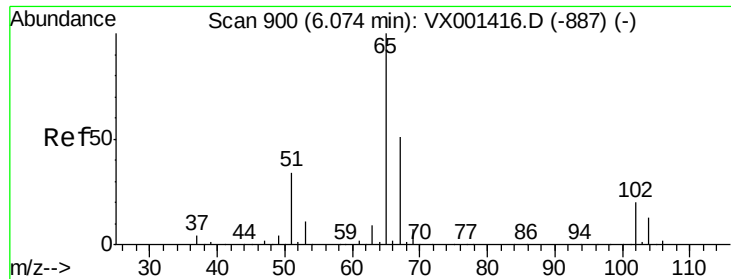
Tgt Ion: 42 Resp: 726
Ion Ratio Lower Upper
42 100
72 13.9 35.4 53.2#
71 10.6 33.0 49.4#



#31
Cyclohexane
Concen: 0.98 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX001536.D
Acq: 09 May 2018 02:01

Tgt Ion: 56 Resp: 4412
Ion Ratio Lower Upper
56 100
69 153.1 25.4 38.0#
84 108.0 73.8 110.8

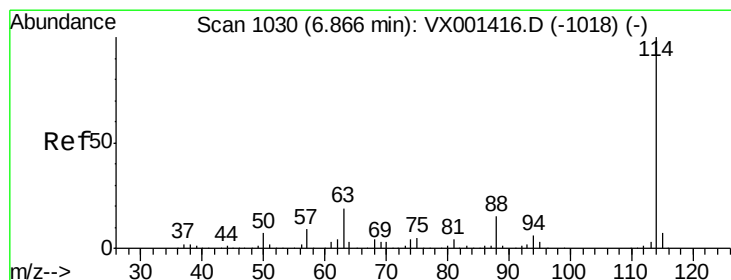
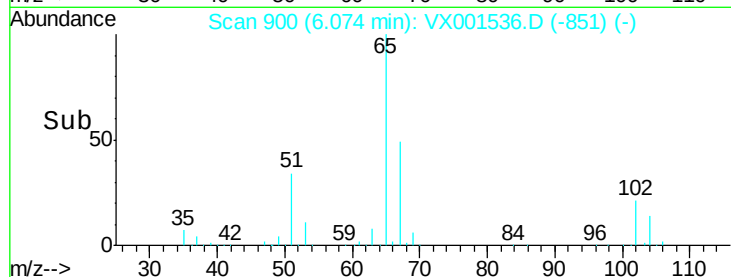
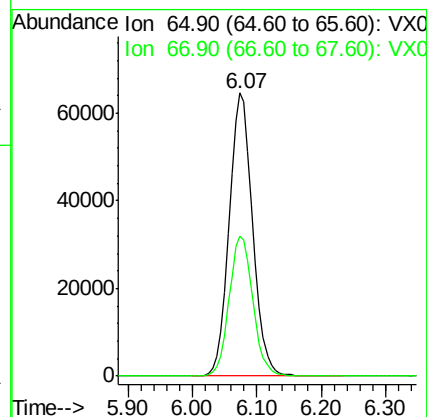
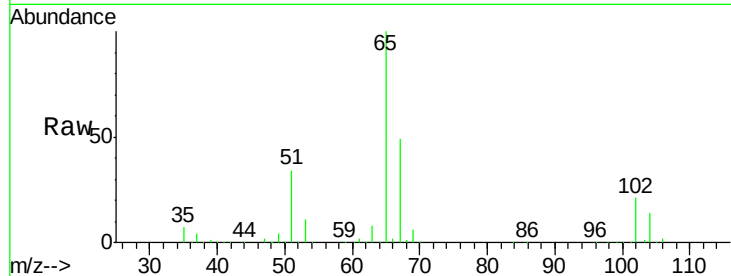




#33
 1,2-Dichloroethane-d4
 Concen: 47.33 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001536.D
 Acq: 09 May 2018 02:01

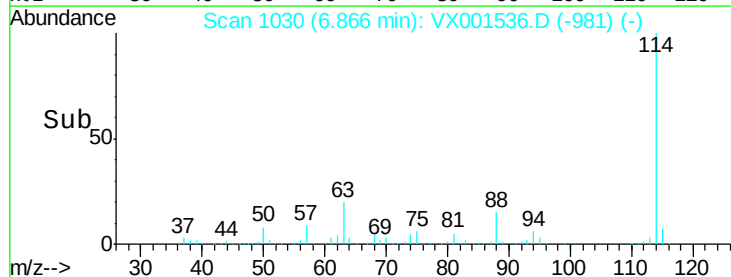
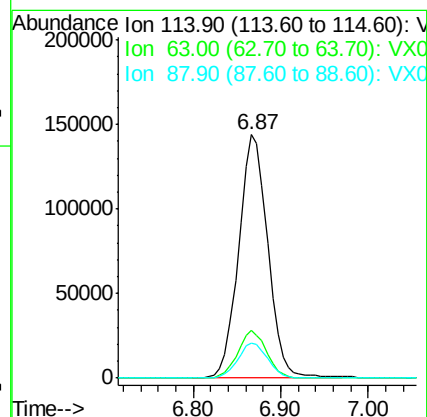
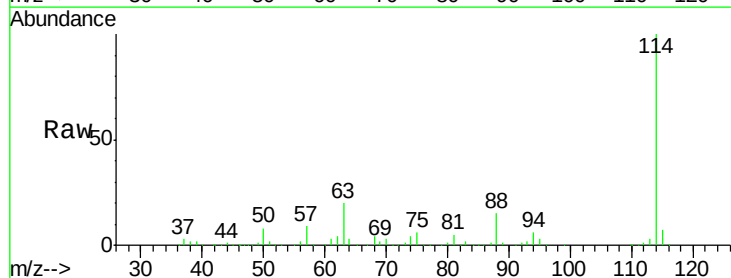
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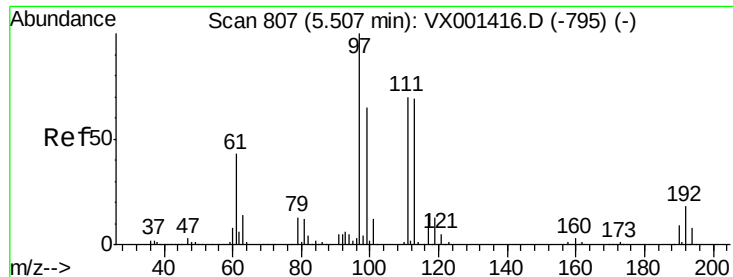
Tgt Ion: 65 Resp: 165786
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001536.D
 Acq: 09 May 2018 02:01

Tgt Ion: 114 Resp: 334305
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 14.6 0.0 30.8

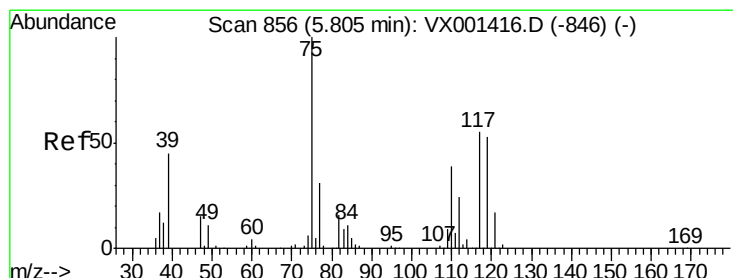
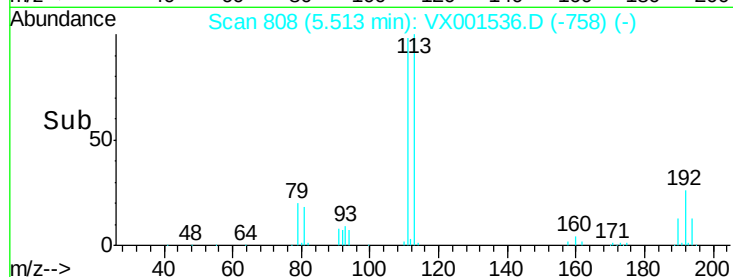
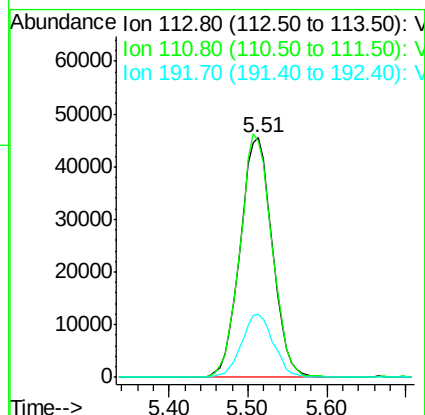
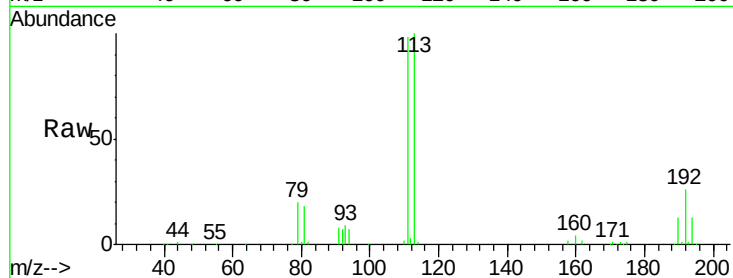




#35
 Dibromofluoromethane
 Concen: 43.49 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001536.D
 Acq: 09 May 2018 02:01

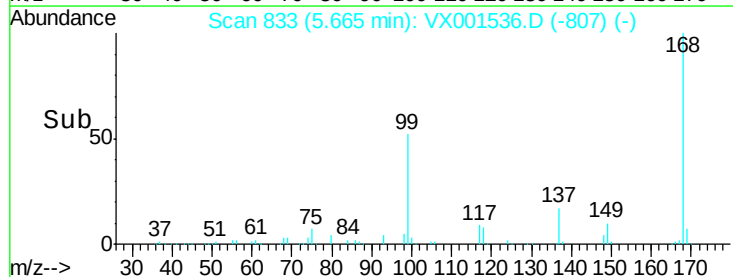
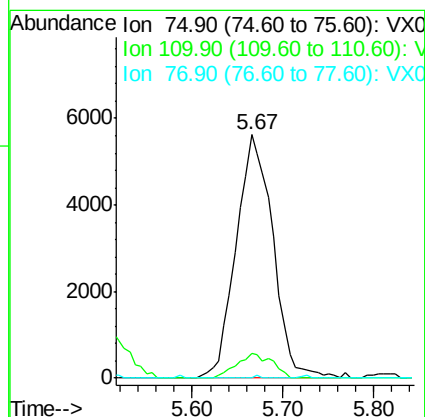
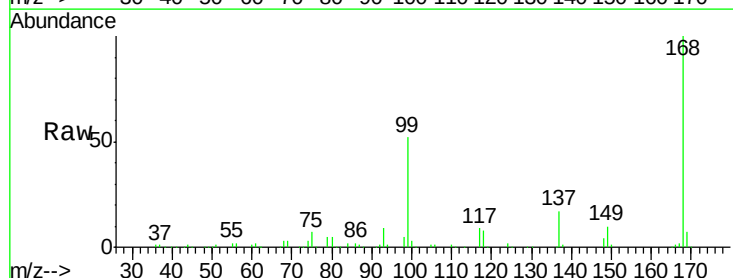
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-050718-A

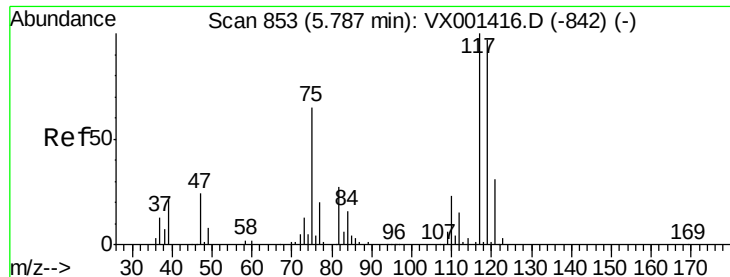
Tgt Ion:113 Resp: 129321
 Ion Ratio Lower Upper
 113 100
 111 100.4 82.2 123.2
 192 26.1 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.72 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001536.D
 Acq: 09 May 2018 02:01

Tgt Ion: 75 Resp: 15810
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.9 56.7#
 77 0.1 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.69 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001536.D

Acq: 09 May 2018 02:01

Instrument :

MSVOA_X

ClientSampleId :

CL-01-050718-A

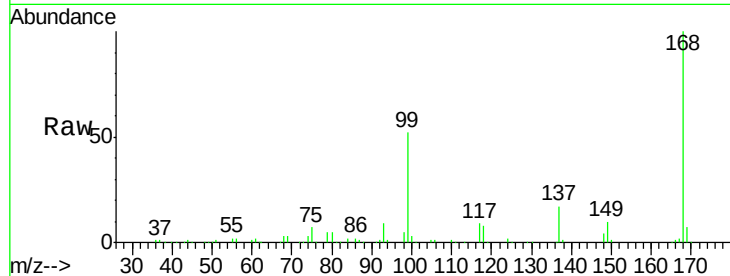
Tgt Ion:117 Resp: 21273

Ion Ratio Lower Upper

117 100

119 4.0 77.0 115.6#

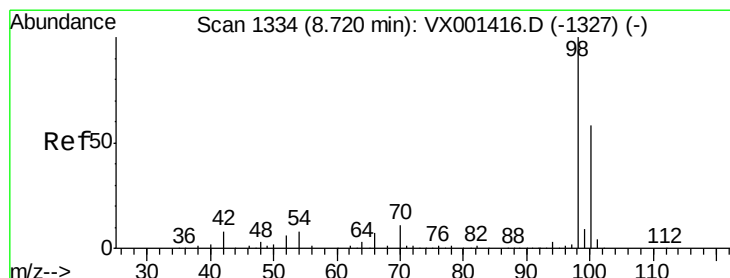
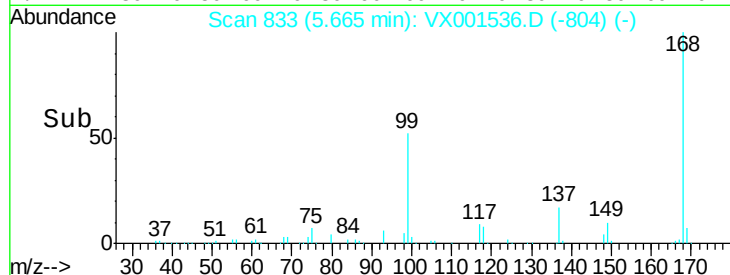
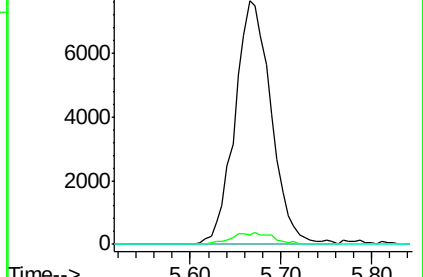
121 0.0 25.1 37.7#



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: 42.95 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001536.D

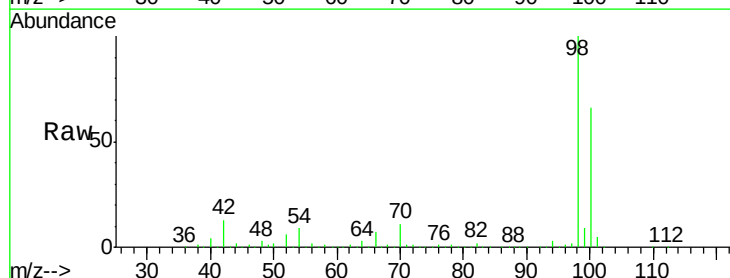
Acq: 09 May 2018 02:01

Tgt Ion: 98 Resp: 466177

Ion Ratio Lower Upper

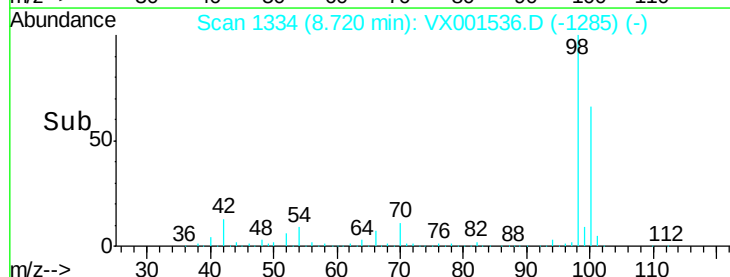
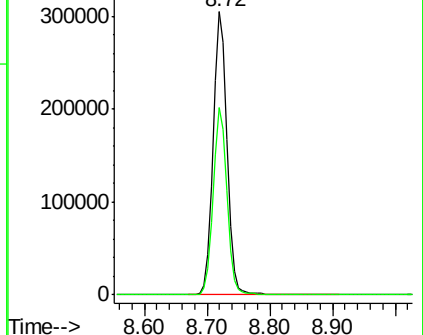
98 100

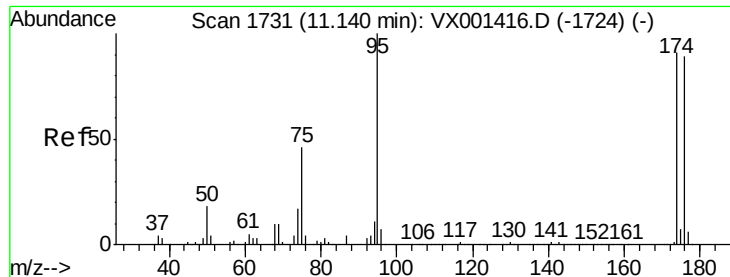
100 66.0 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

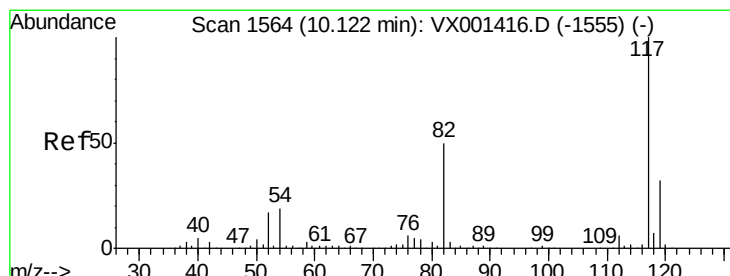
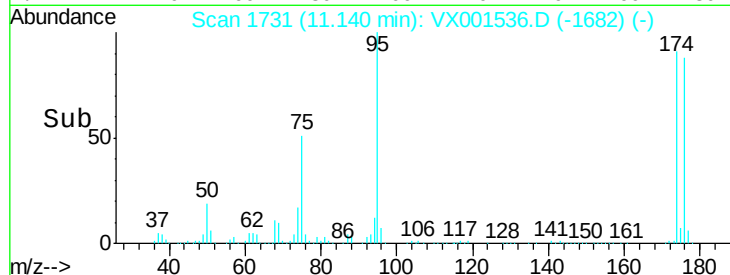
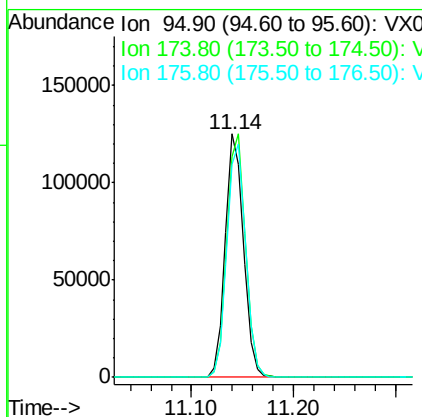
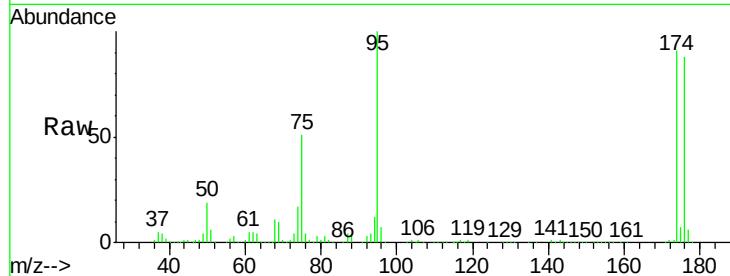




#62
4-Bromofluorobenzene
Concen: 37.33 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001536.D
Acq: 09 May 2018 02:01

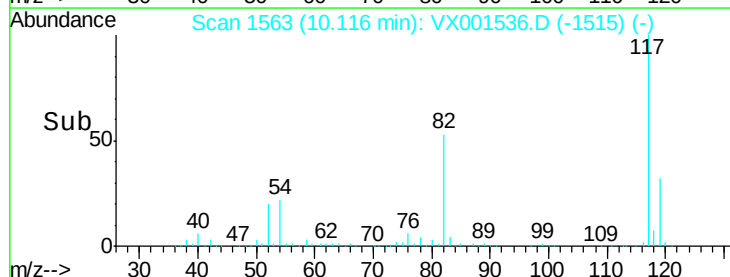
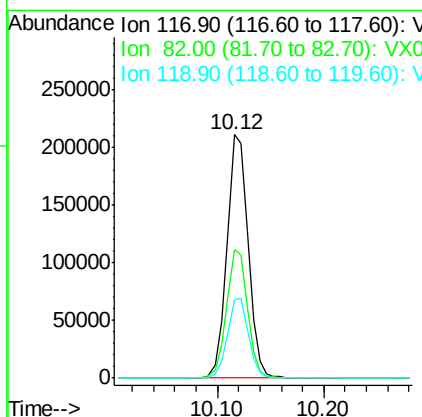
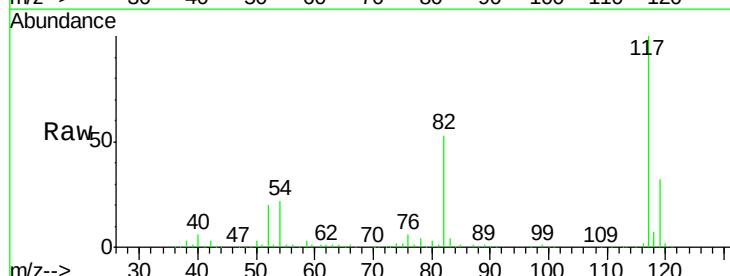
Instrument :
MSVOA_X
ClientSampleId :
CL-01-050718-A

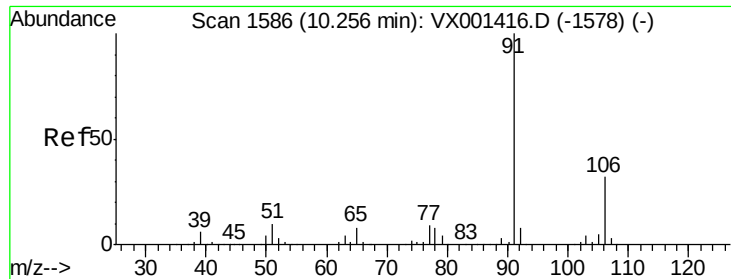
Tgt Ion: 95 Resp: 155546
Ion Ratio Lower Upper
95 100
174 101.5 0.0 202.0
176 98.2 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001536.D
Acq: 09 May 2018 02:01

Tgt Ion: 117 Resp: 295515
Ion Ratio Lower Upper
117 100
82 52.6 40.0 60.0
119 32.0 25.8 38.8





#67

Ethyl Benzene

Concen: 1.24 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001536.D

Acq: 09 May 2018 02:01

Instrument :

MSVOA_X

ClientSampleId :

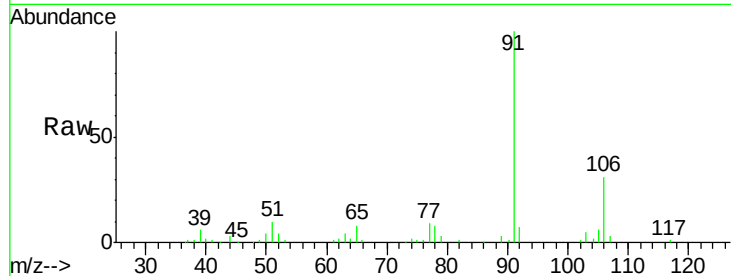
CL-01-050718-A

Tgt Ion: 91 Resp: 17661

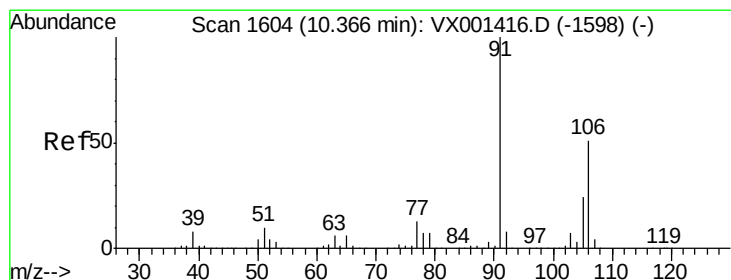
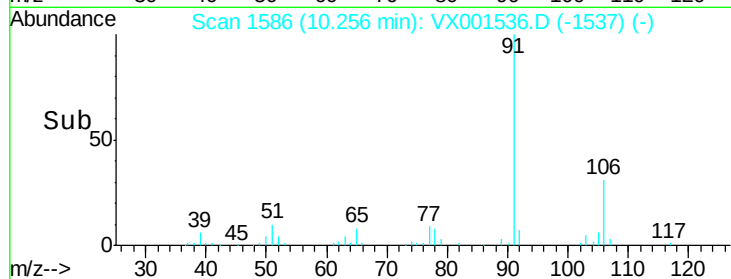
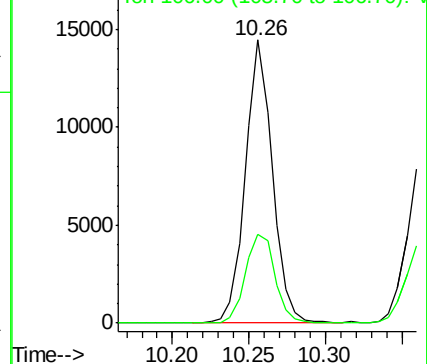
Ion Ratio Lower Upper

91 100

106 31.4 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX001416.D (-1578) (-)



#68

m/p-Xylenes

Concen: 1.02 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX001536.D

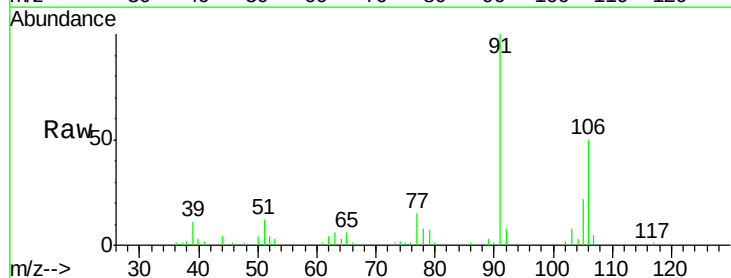
Acq: 09 May 2018 02:01

Tgt Ion: 106 Resp: 5701

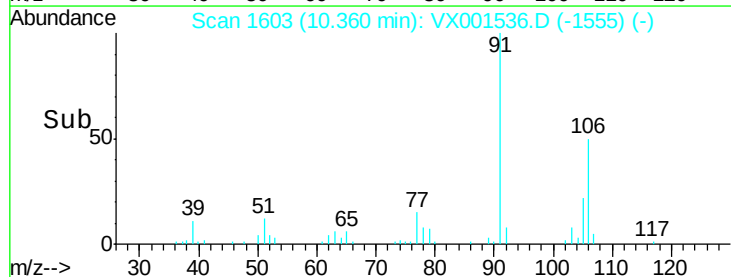
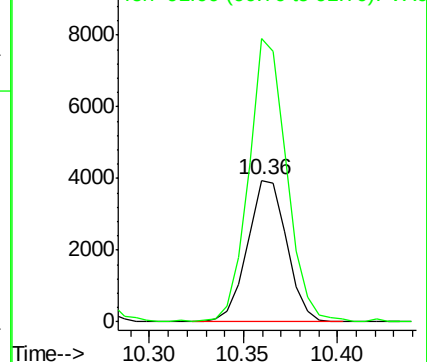
Ion Ratio Lower Upper

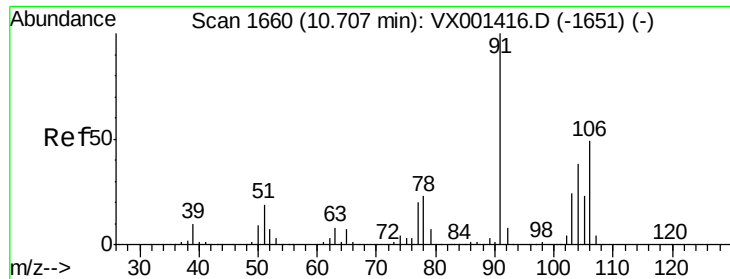
106 100

91 193.7 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): VX001416.D (-1598) (-)

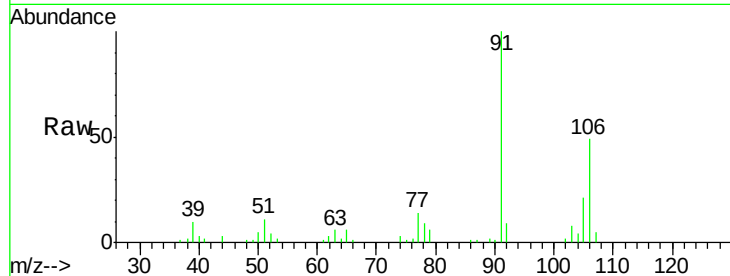




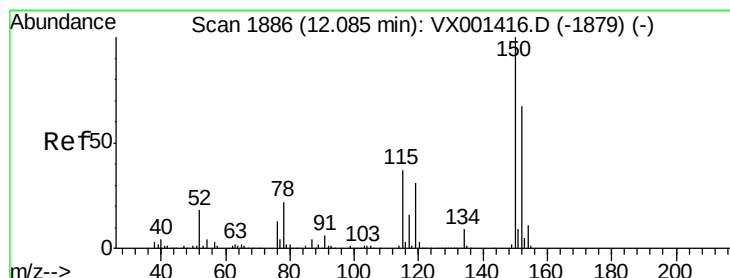
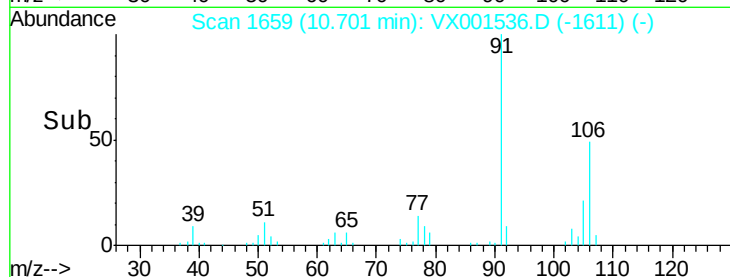
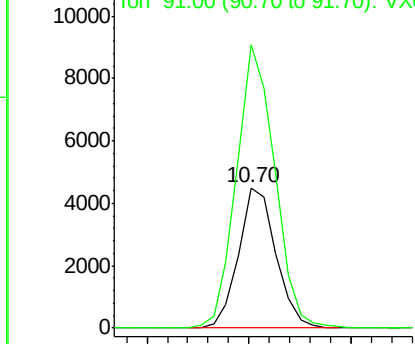
#69
o-Xylene
Concen: 1.05 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001536.D
Acq: 09 May 2018 02:01

Instrument :
MSVOA_X
ClientSampleId :
CL-01-050718-A

Tgt Ion:106 Resp: 5705
Ion Ratio Lower Upper
106 100
91 207.1 103.1 309.1

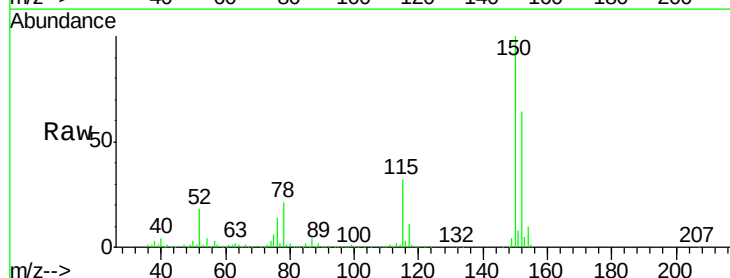


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

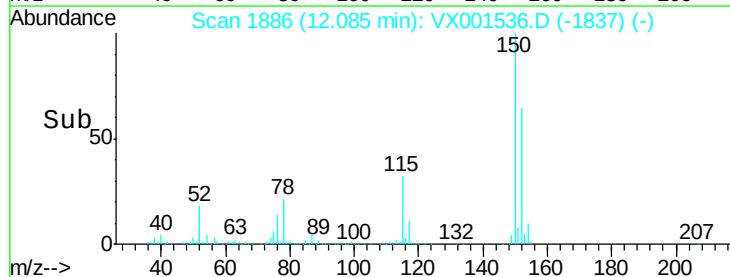
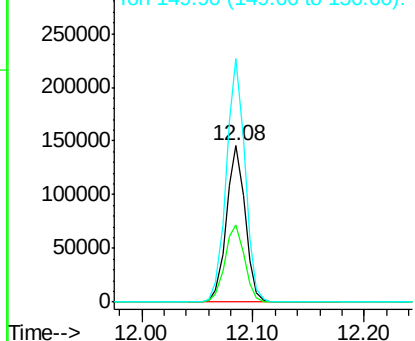


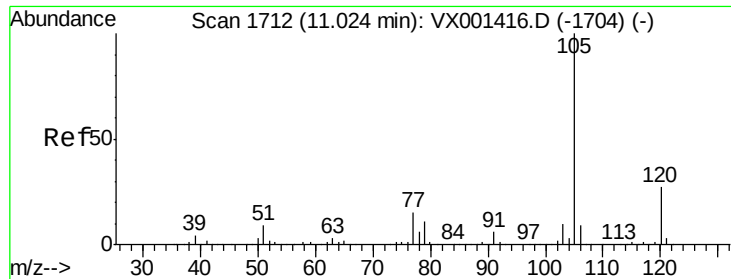
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001536.D
Acq: 09 May 2018 02:01

Tgt Ion:152 Resp: 168073
Ion Ratio Lower Upper
152 100
115 52.2 37.7 113.1
150 155.9 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





#73

Isopropylbenzene

Concen: 0.31 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001536.D

Acq: 09 May 2018 02:01

Instrument :

MSVOA_X

ClientSampleId :

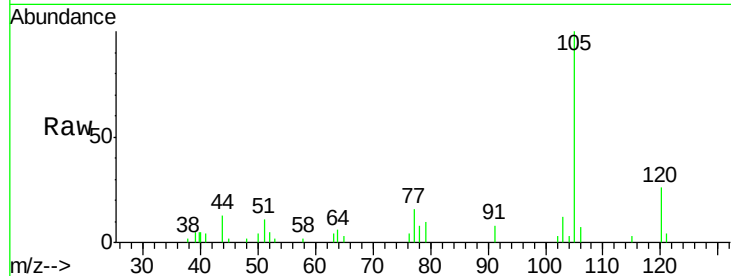
CL-01-050718-A

Tgt Ion: 105 Resp: 3630

Ion Ratio Lower Upper

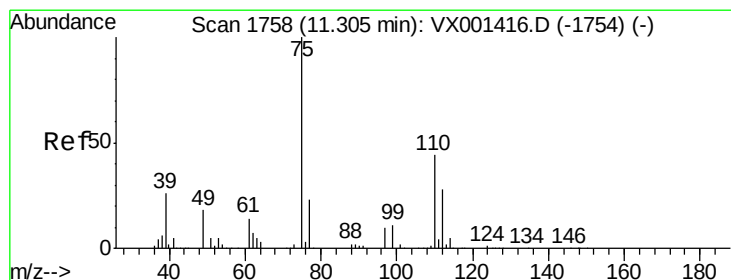
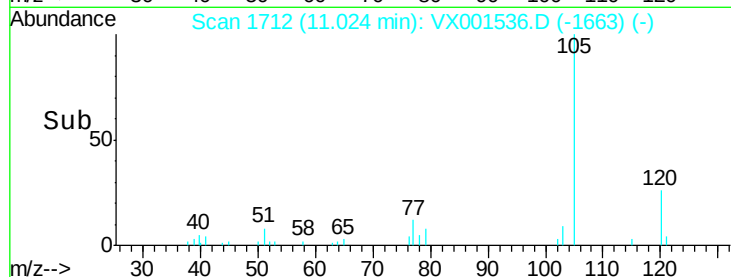
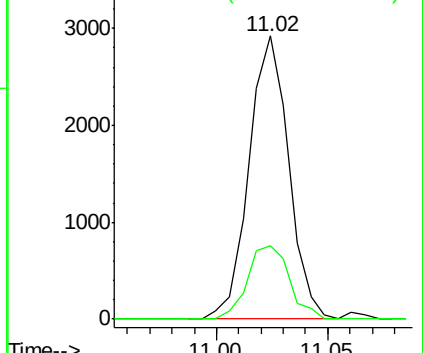
105 100

120 27.4 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 22.82 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001536.D

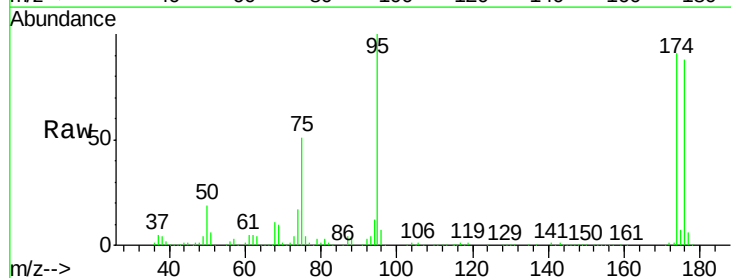
Acq: 09 May 2018 02:01

Tgt Ion: 75 Resp: 77775

Ion Ratio Lower Upper

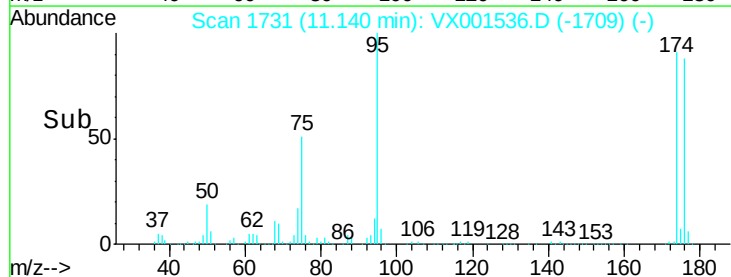
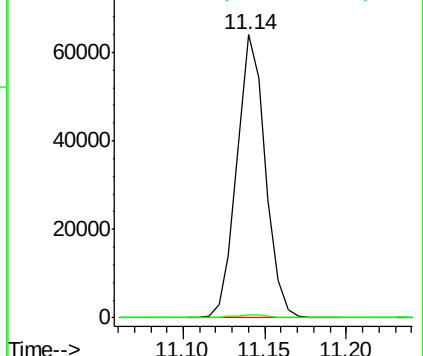
75 100

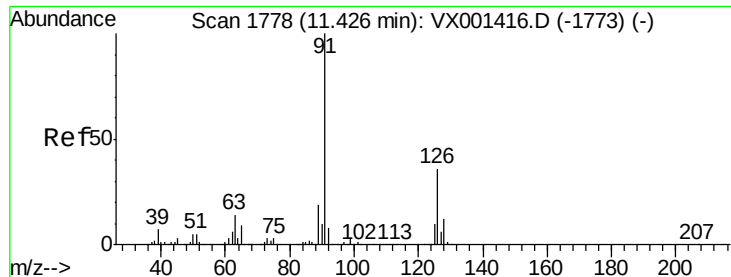
77 1.3 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

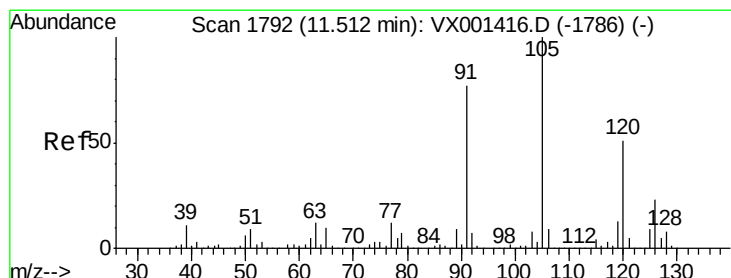
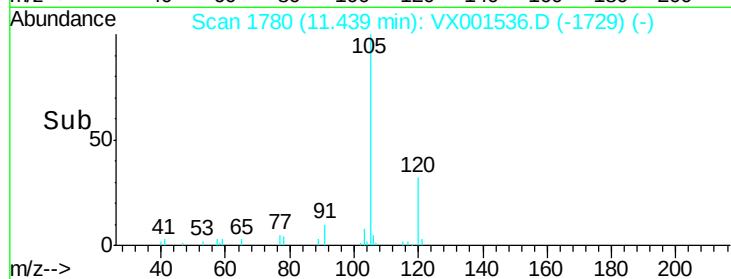
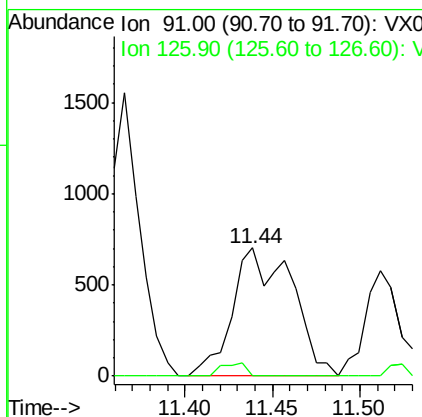
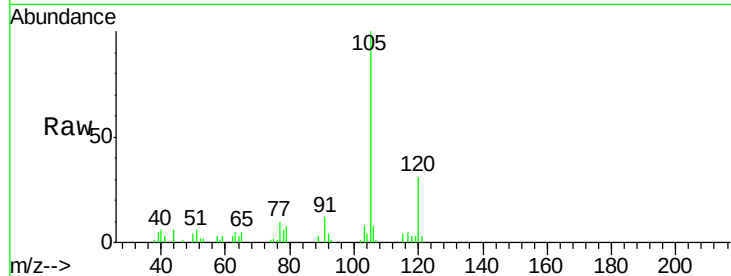




#79
 2-Chlorotoluene
 Concen: 0.21 ug/l
 RT: 11.44 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: VX001536.D
 Acq: 09 May 2018 02:01

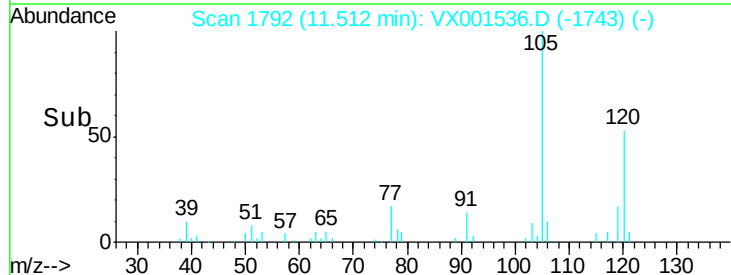
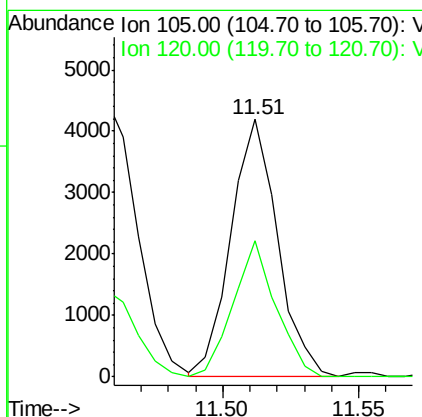
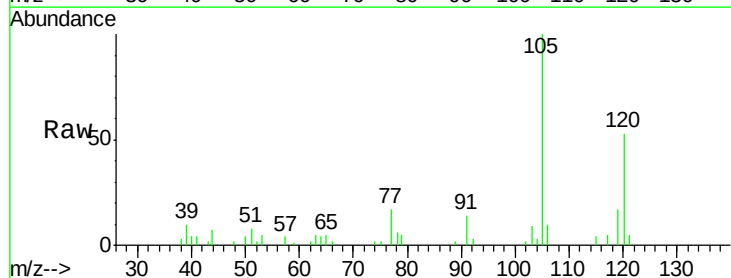
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-050718-A

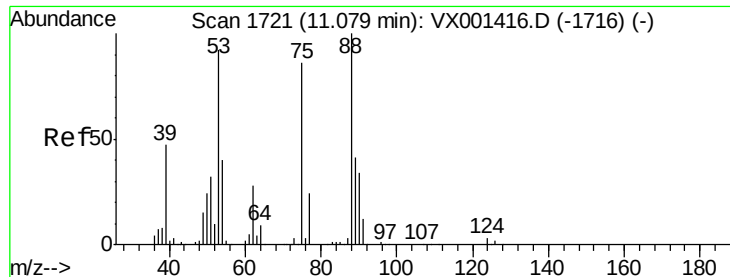
Tgt Ion: 91 Resp: 1664
 Ion Ratio Lower Upper
 91 100
 126 4.1 18.1 54.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.52 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX001536.D
 Acq: 09 May 2018 02:01

Tgt Ion: 105 Resp: 4994
 Ion Ratio Lower Upper
 105 100
 120 48.6 25.7 77.1





#81

trans-1,4-Dichloro-2-butene

Concen: 70.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001536.D

Acq: 09 May 2018 02:01

Instrument :

MSVOA_X

ClientSampleId :

CL-01-050718-A

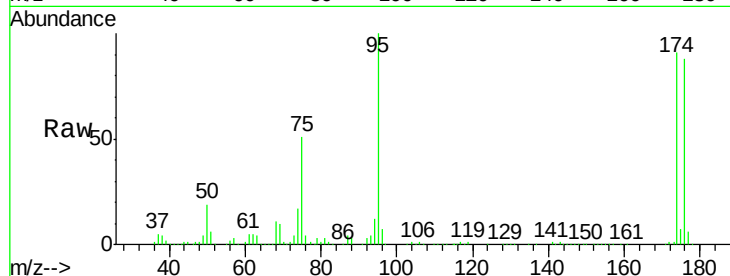
Tgt Ion: 75 Resp: 77775

Ion Ratio Lower Upper

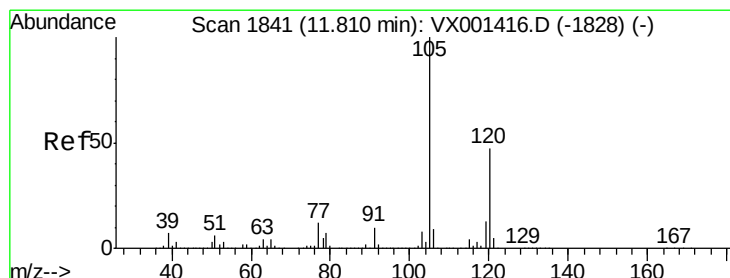
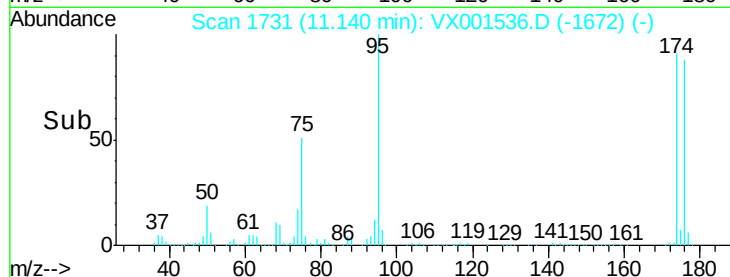
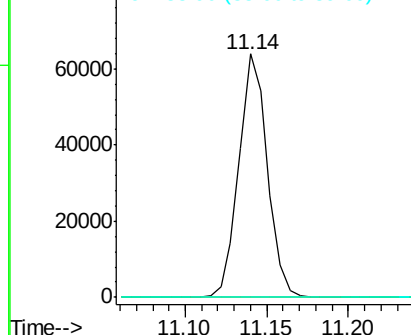
75 100

53 0.0 84.5 126.7#

89 0.1 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 2.03 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX001536.D

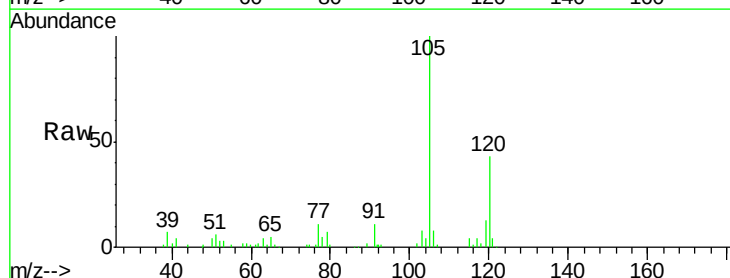
Acq: 09 May 2018 02:01

Tgt Ion: 105 Resp: 20182

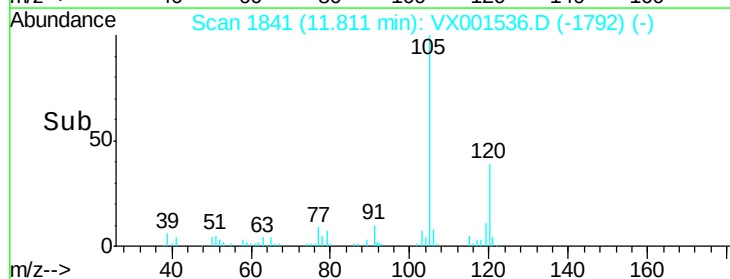
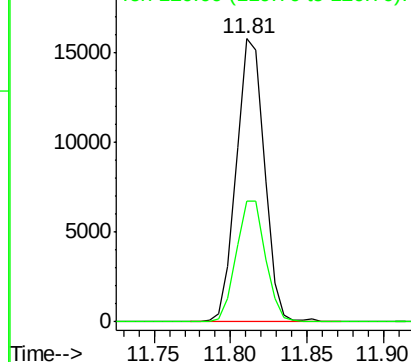
Ion Ratio Lower Upper

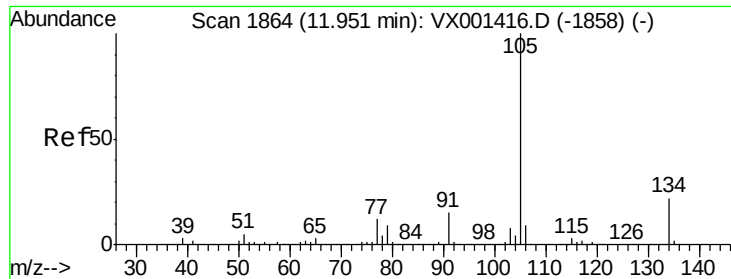
105 100

120 44.3 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

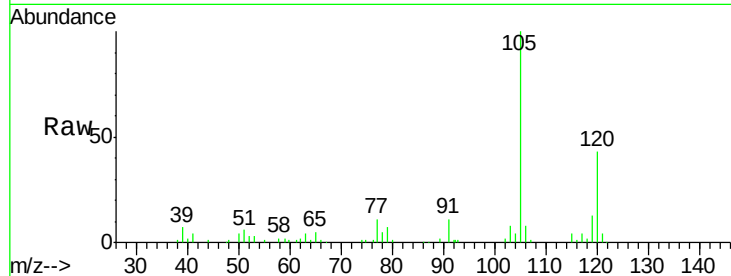




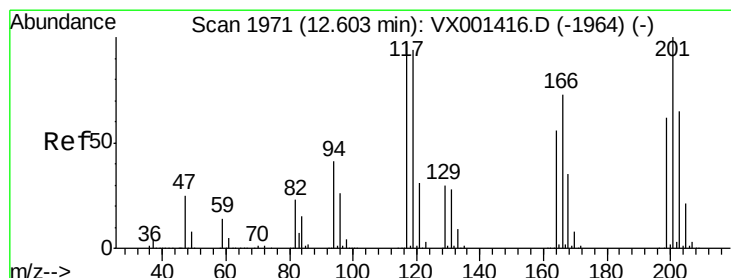
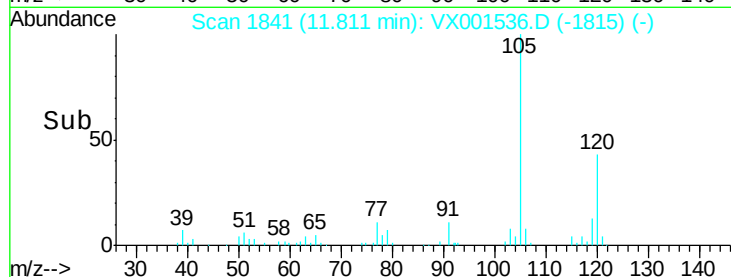
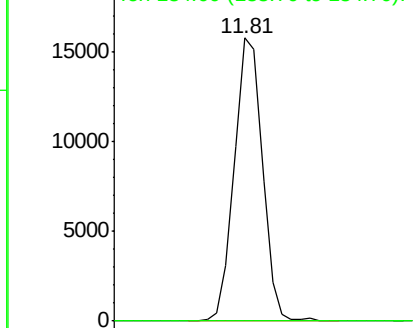
#85
 sec-Butylbenzene
 Concen: 1.74 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.14 min
 Lab File: VX001536.D
 Acq: 09 May 2018 02:01

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-050718-A

Tgt Ion:105 Resp: 20182
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.9 32.9#

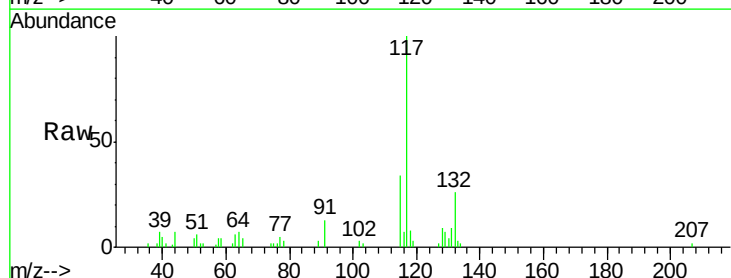


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

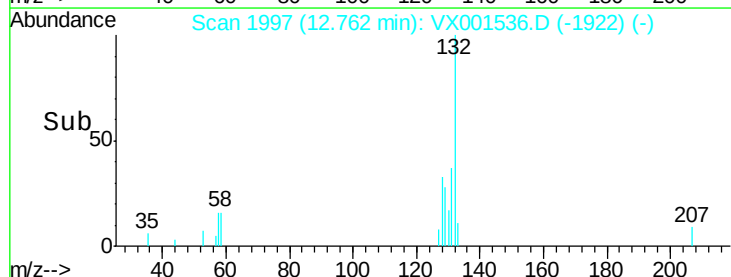
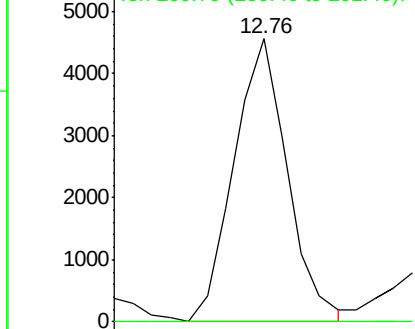


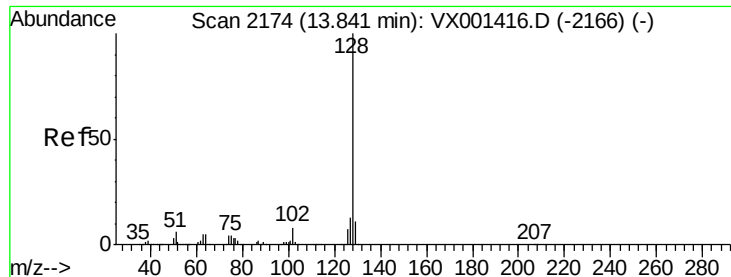
#90
 Hexachloroethane
 Concen: 3.45 ug/l
 RT: 12.76 min Scan# 1997
 Delta R.T. 0.16 min
 Lab File: VX001536.D
 Acq: 09 May 2018 02:01

Tgt Ion:117 Resp: 5514
 Ion Ratio Lower Upper
 117 100
 201 0.0 51.5 154.5#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 42.11 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001536.D

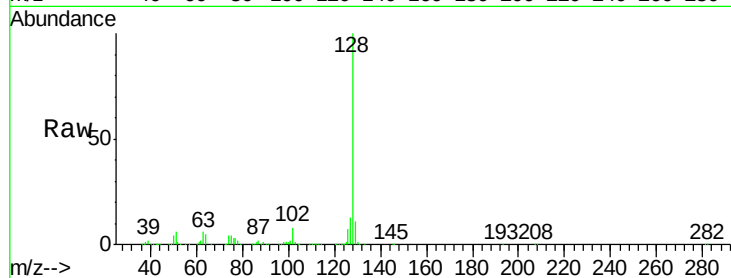
Acq: 09 May 2018 02:01

Instrument :

MSVOA_X

ClientSampleId :

CL-01-050718-A



Tgt Ion:128 Resp: 524236

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.1 8.7 13.1

