

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062518\
 Data File : VX002874.D
 Acq On : 25 Jun 2018 22:08
 Operator : JC/MD
 Sample : J3570-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20180375-COMPOSITE-CS-1A-ELU

Quant Time: Jun 27 05:27:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	243078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	341734	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	170633	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	165833	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	5.51	113	128081	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
50) Toluene-d8	8.72	98	477397	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
62) 4-Bromofluorobenzene	11.14	95	165077	43.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.62%	

Target Compounds

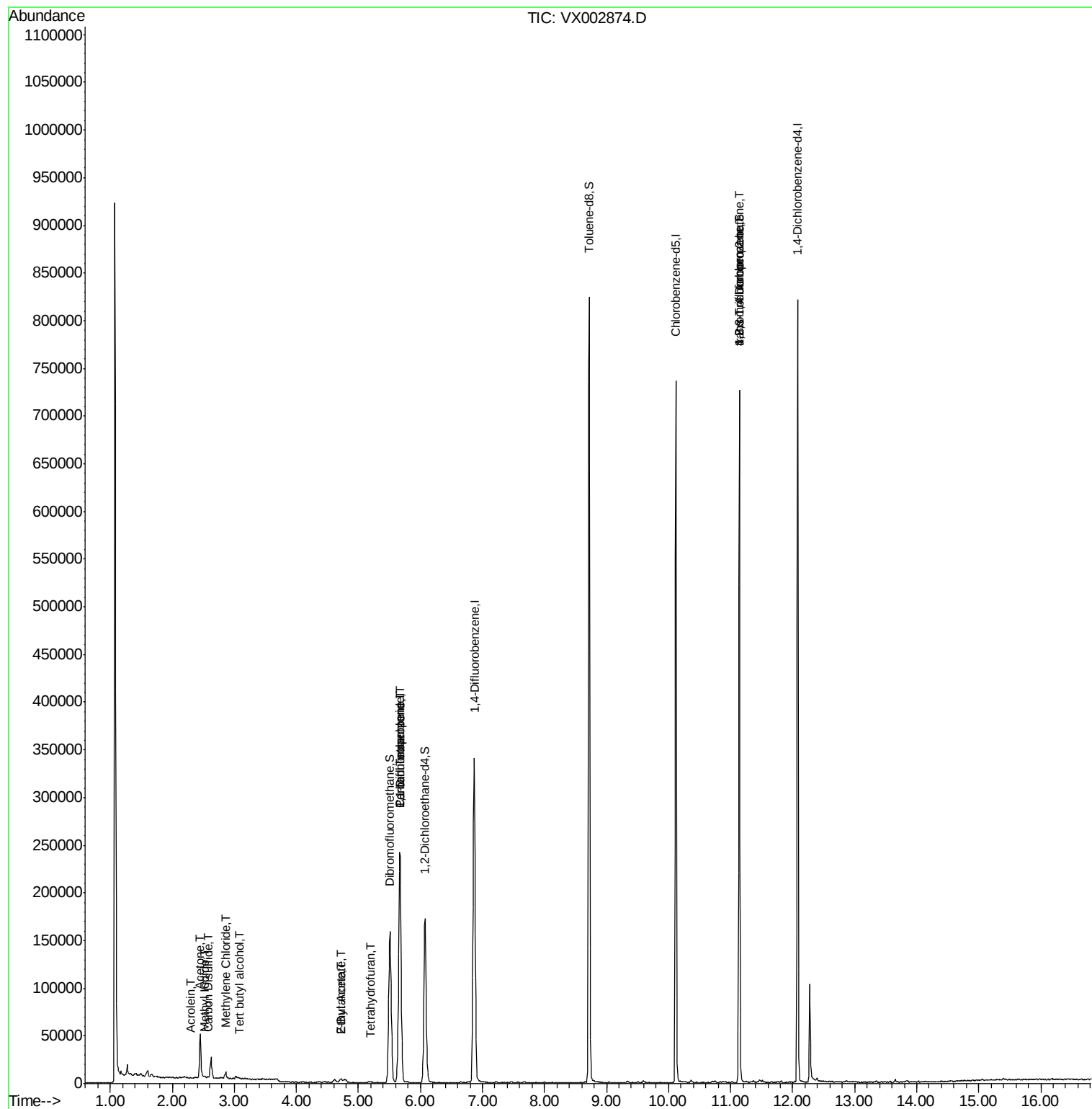
						Qvalue
2) Dichlorodifluoromethane	1.20	85	86	Below Cal	#	43
3) Chloromethane	1.33	50	1246	Below Cal	#	85
5) Bromomethane	1.66	94	2005	Below Cal		99
6) Chloroethane	1.73	64	199	Below Cal	#	22
10) Methyl Iodide	2.52	142	2563	7.05	ug/l	99
11) Tert butyl alcohol	3.07	59	1757	2.63	ug/l #	94
13) Acrolein	2.29	56	269	4.94	ug/l #	64
16) Acetone	2.45	43	50087	36.00	ug/l	98
17) Carbon Disulfide	2.57	76	2438	0.38	ug/l #	72
20) Methylene Chloride	2.86	84	2864	1.06	ug/l	95
25) 2-Butanone	4.72	43	6473	3.13	ug/l	95
29) Tetrahydrofuran	5.18	42	514	0.39	ug/l #	85
36) 1,1-Dichloropropene	5.67	75	16405	4.38	ug/l #	51
37) Ethyl Acetate	4.72	43	6595	1.63	ug/l #	71
38) Carbon Tetrachloride	5.67	117	21885	5.32	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	87976	28.46	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	87976	80.39	ug/l #	7

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

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX002874.D

Acq: 25 Jun 2018 22:08

Instrument :

MSVOA_X

ClientSampleId :

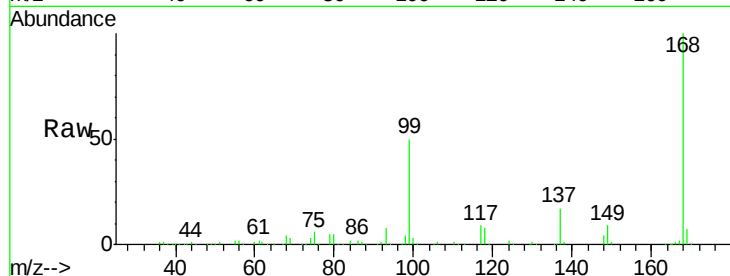
20180375-COMPOSITE-CS-1A-ELU

Tot Ion:168 Resp: 243078

Ion Ratio Lower Upper

168 100

99 49.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

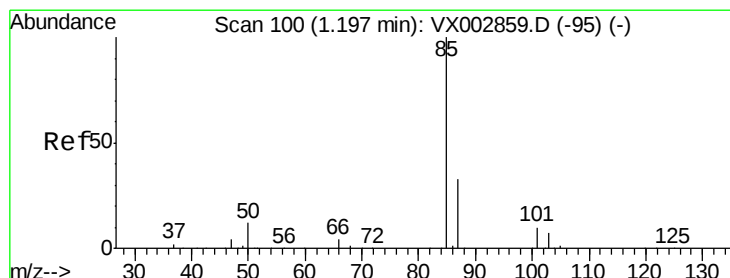
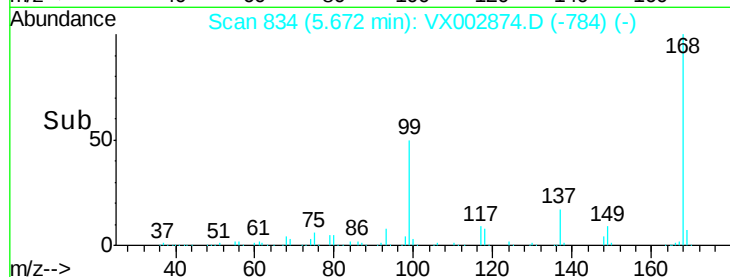
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002874.D

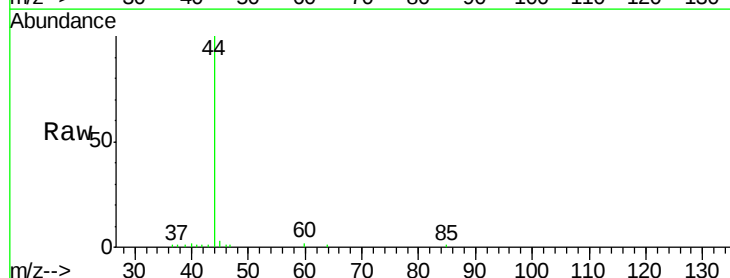
Acq: 25 Jun 2018 22:08

Tgt Ion: 85 Resp: 86

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120

100

80

60

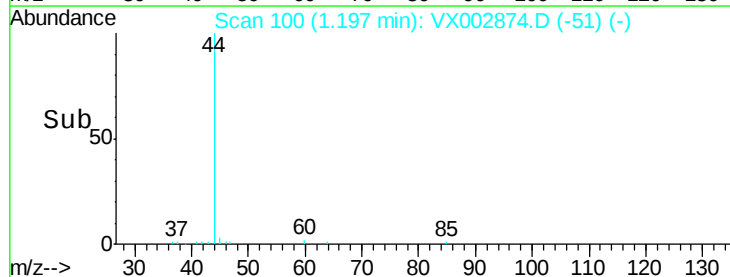
40

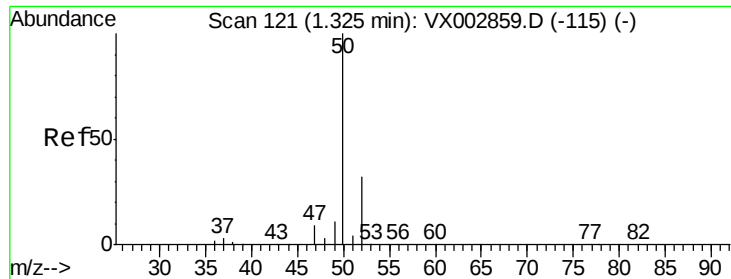
20

0

1.18 1.20 1.22

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002874.D

Acq: 25 Jun 2018 22:08

Instrument :

MSVOA_X

ClientSampleId :

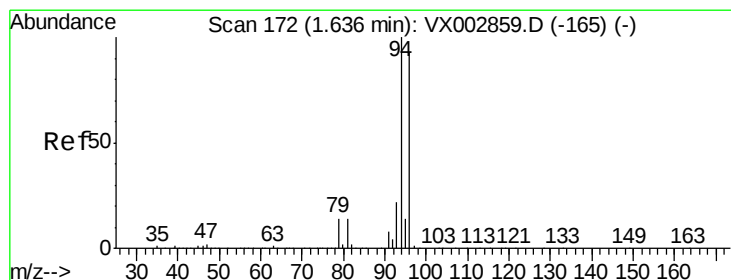
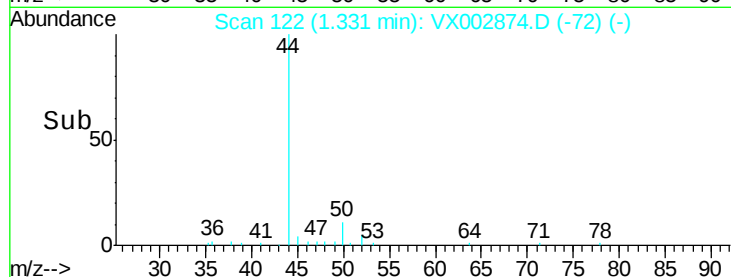
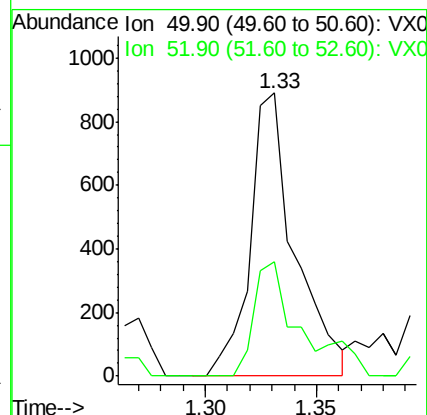
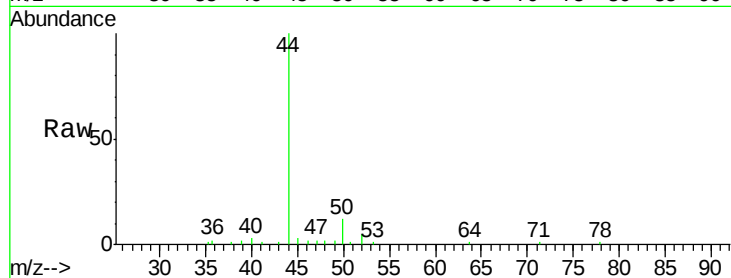
20180375-COMPOSITE-CS-1A-ELU

Tot Ion: 50 Resp: 1246

Ion Ratio Lower Upper

50 100

52 40.4 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002874.D

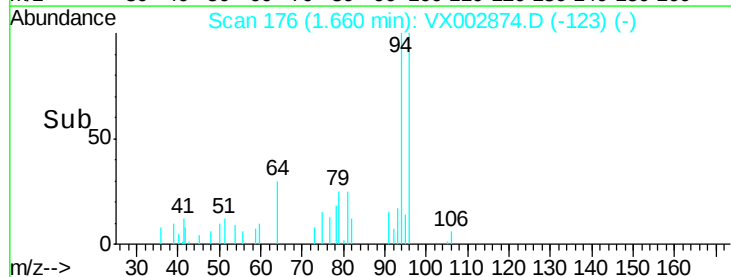
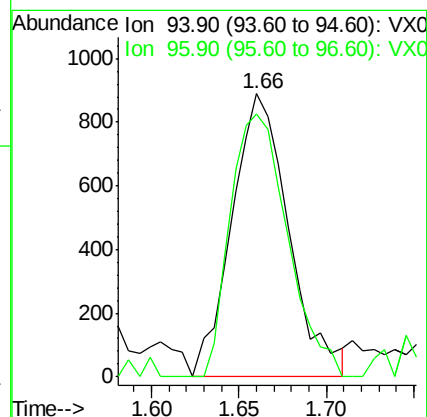
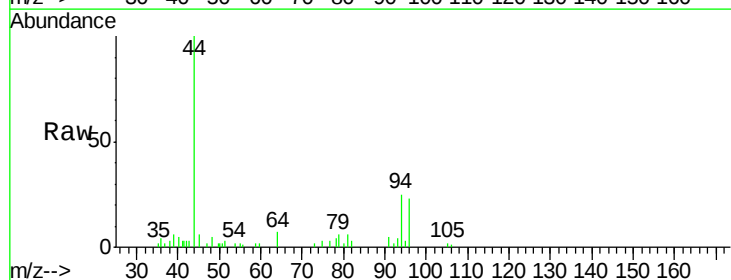
Acq: 25 Jun 2018 22:08

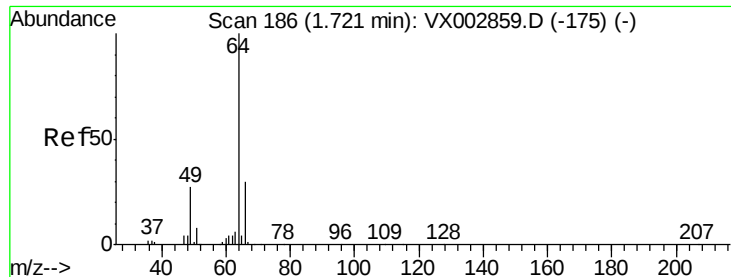
Tgt Ion: 94 Resp: 2005

Ion Ratio Lower Upper

94 100

96 92.7 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002874.D

Acq: 25 Jun 2018 22:08

Instrument :

MSVOA_X

ClientSampleId :

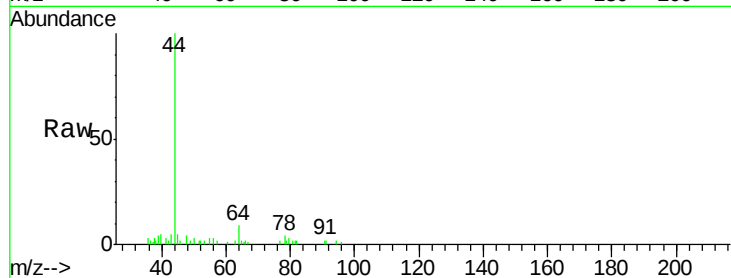
20180375-COMPOSITE-CS-1A-ELU

Tot Ion: 64 Resp: 199

Ion Ratio Lower Upper

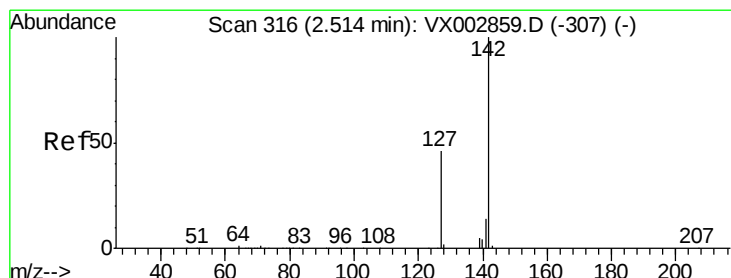
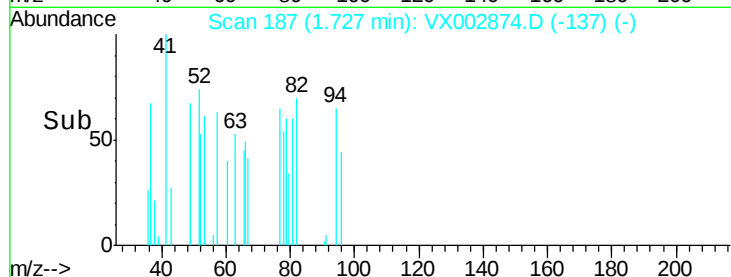
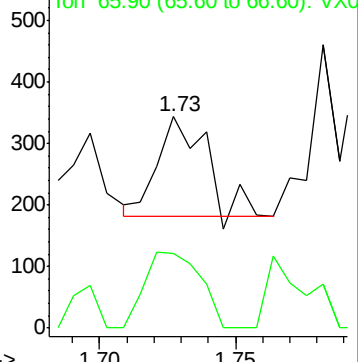
64 100

66 75.2 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 7.05 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002874.D

Acq: 25 Jun 2018 22:08

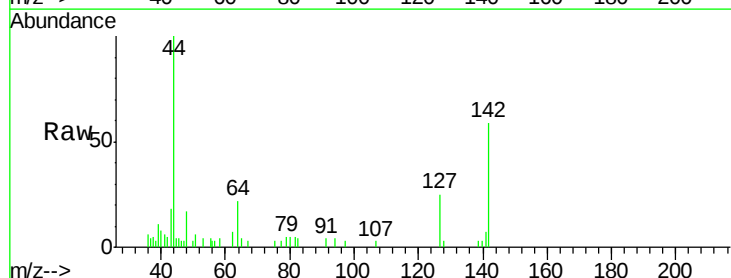
Tgt Ion:142 Resp: 2563

Ion Ratio Lower Upper

142 100

127 45.6 36.6 55.0

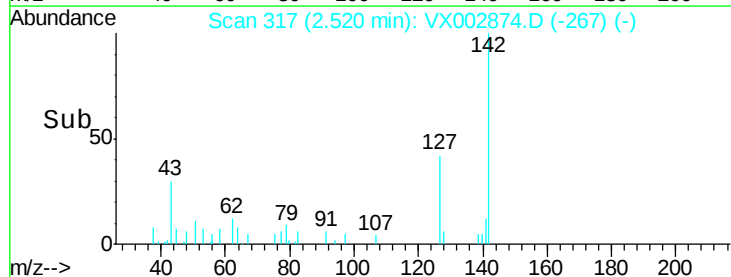
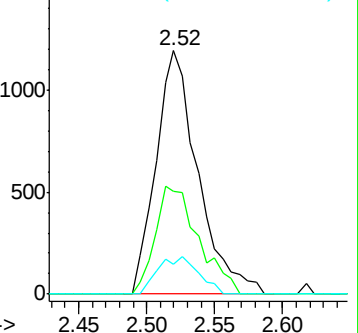
141 14.8 11.3 16.9

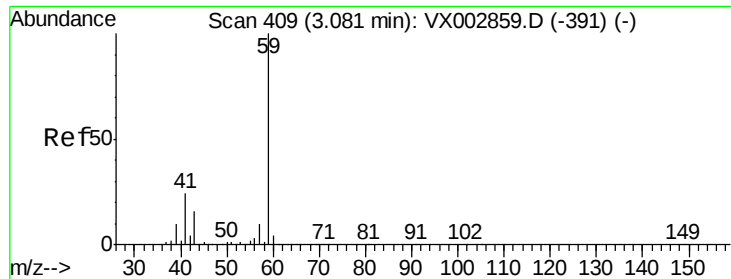


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

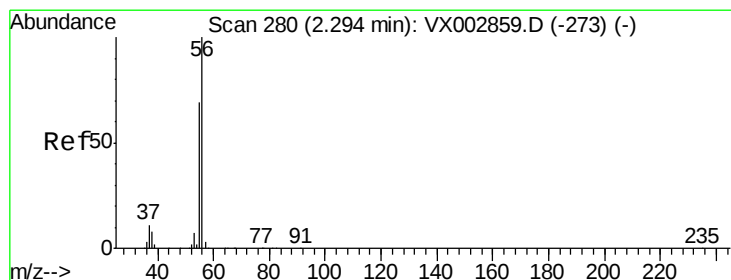
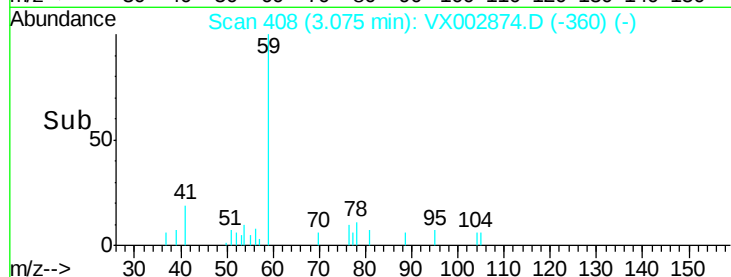
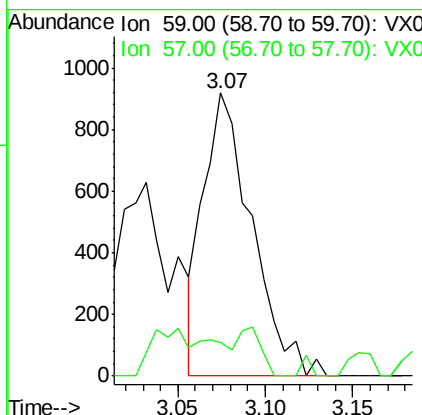
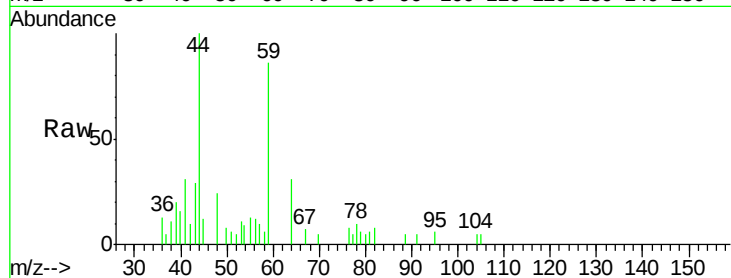




#11
Tert butyl alcohol
Concen: 2.63 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002874.D
Acq: 25 Jun 2018 22:08

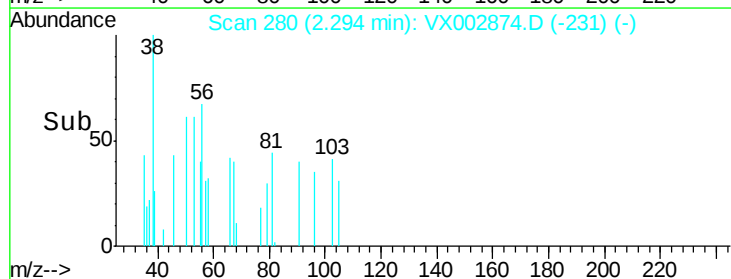
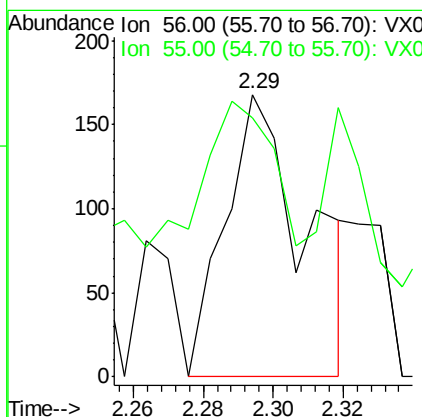
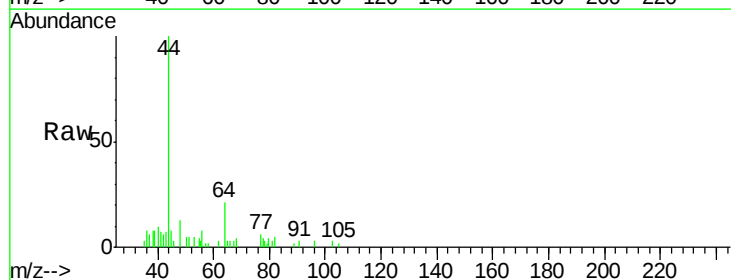
Instrument :
MSVOA_X
ClientSampleId :
20180375-COMPOSITE-CS-1A-ELU

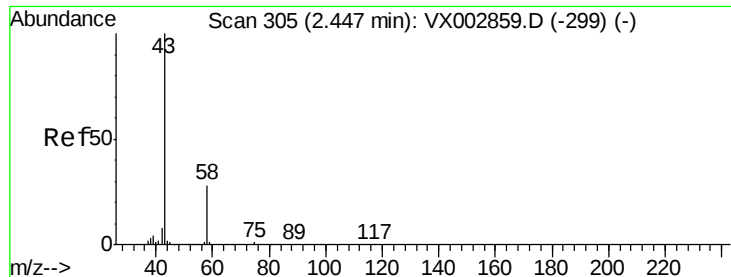
Tot Ion: 59 Resp: 1757
Ion Ratio Lower Upper
59 100
57 7.9 8.2 12.2#



#13
Acrolein
Concen: 4.94 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX002874.D
Acq: 25 Jun 2018 22:08

Tgt Ion: 56 Resp: 269
Ion Ratio Lower Upper
56 100
55 41.6 57.0 85.4#





#16

Acetone

Concen: 36.00 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002874.D

Acq: 25 Jun 2018 22:08

Instrument :

MSVOA_X

ClientSampleId :

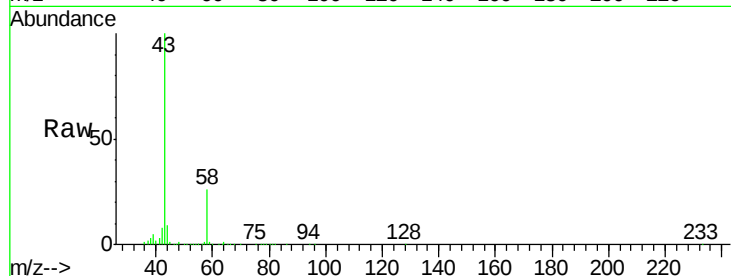
20180375-COMPOSITE-CS-1A-ELU

Tot Ion: 43 Resp: 50087

Ion Ratio Lower Upper

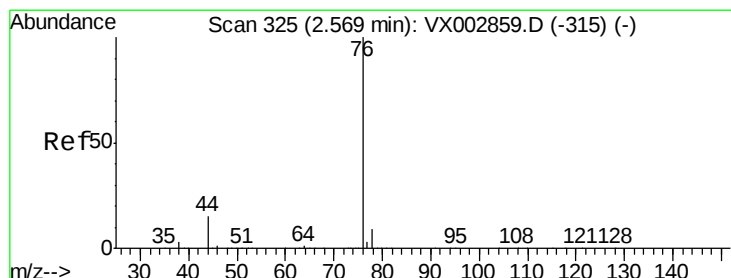
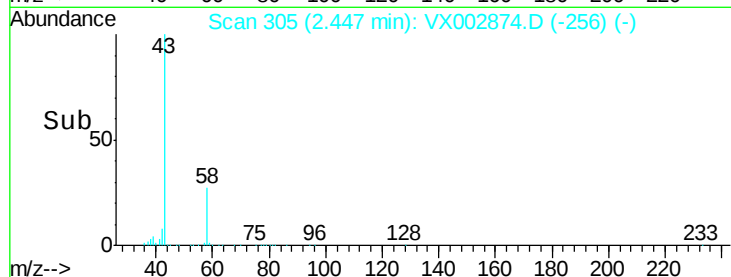
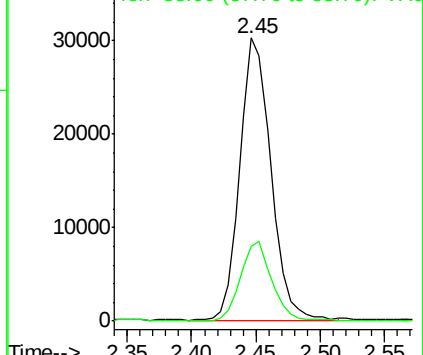
43 100

58 26.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.38 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002874.D

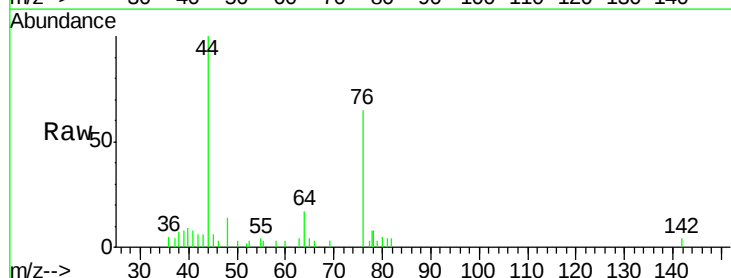
Acq: 25 Jun 2018 22:08

Tgt Ion: 76 Resp: 2438

Ion Ratio Lower Upper

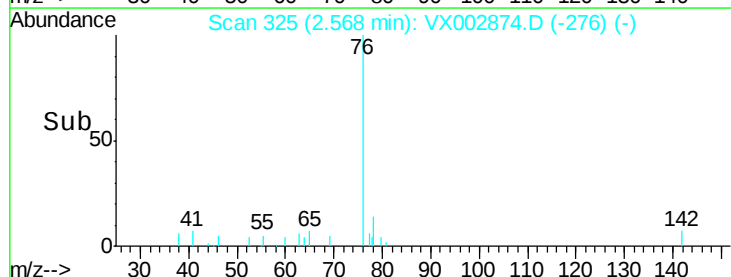
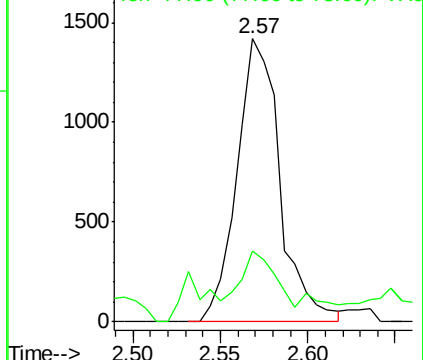
76 100

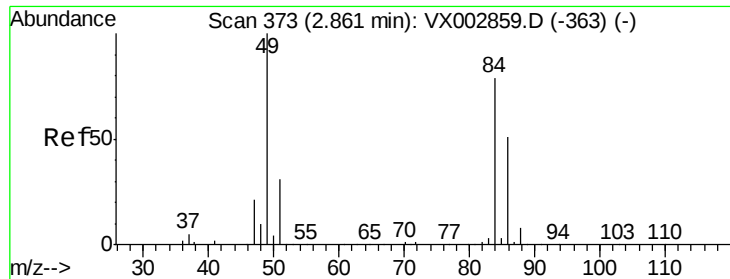
78 18.7 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

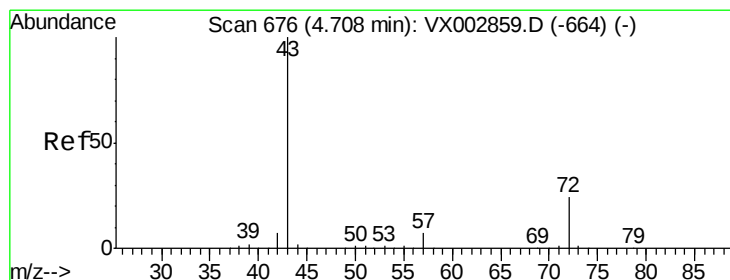
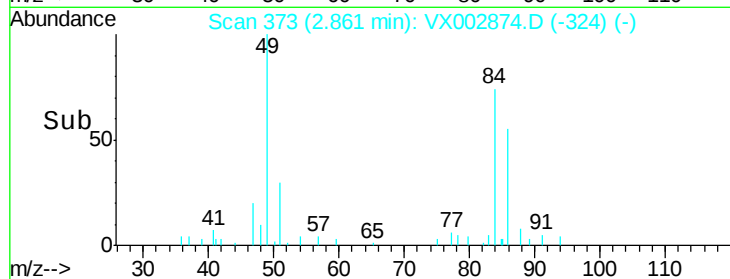
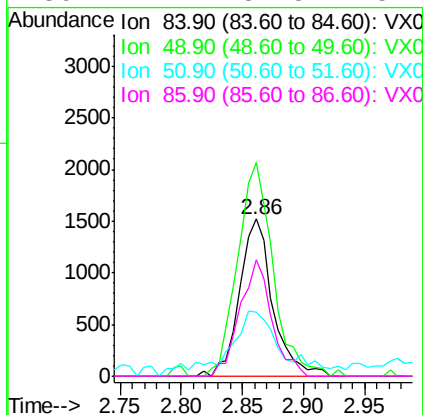
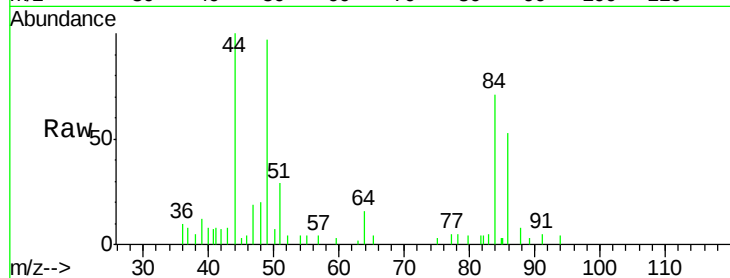




#20
Methvlene Chloride
Concen: 1.06 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002874.D
Acq: 25 Jun 2018 22:08

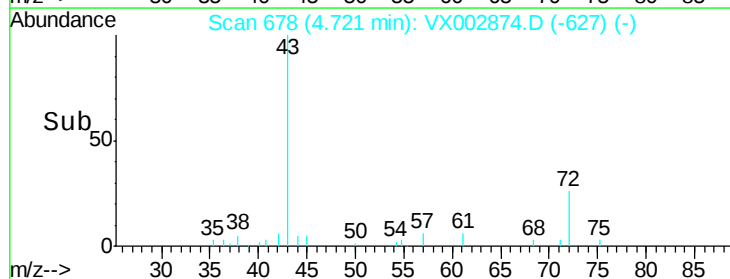
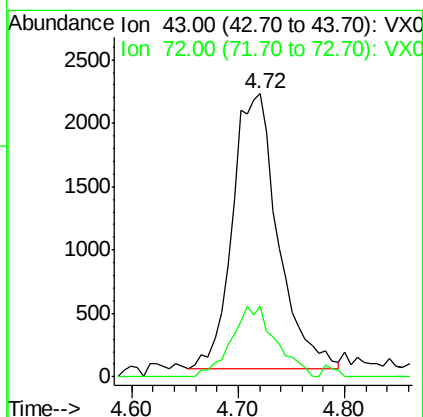
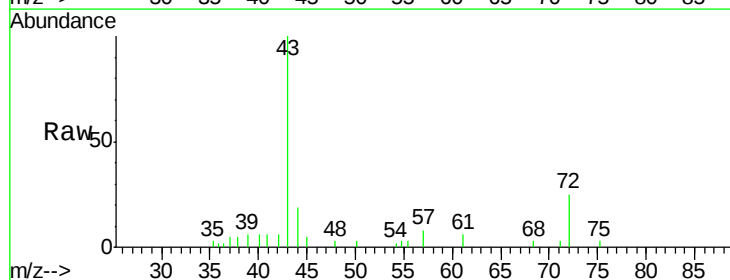
Instrument :
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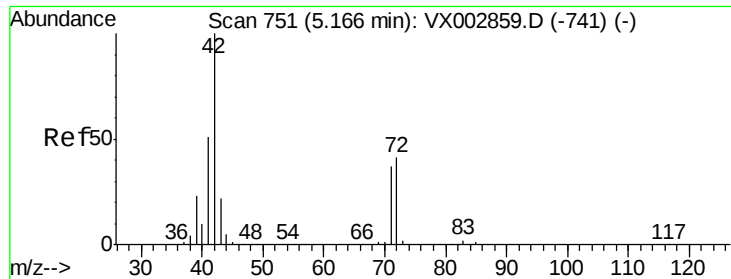
Tot Ion:	84	Resp:	2864
Ion	Ratio	Lower	Upper
84	100		
49	135.9	107.8	161.6
51	36.5	32.8	49.2
86	74.1	52.5	78.7



#25
2-Butanone
Concen: 3.13 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX002874.D
Acq: 25 Jun 2018 22:08

Tgt Ion:	43	Resp:	6473
Ion	Ratio	Lower	Upper
43	100		
72	25.7	18.5	27.7





#29

Tetrahydrofuran

Concen: 0.39 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.02 min

Lab File: VX002874.D

Acq: 25 Jun 2018 22:08

Instrument :

MSVOA_X

ClientSampleId :

20180375-COMPOSITE-CS-1A-ELU

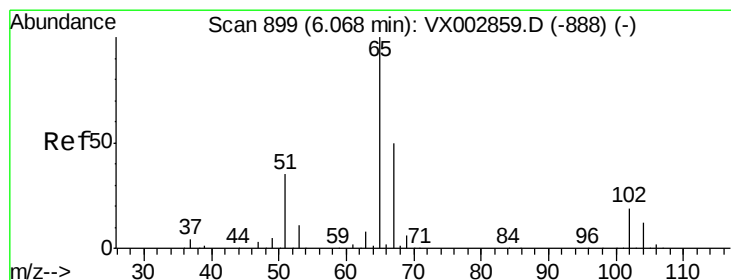
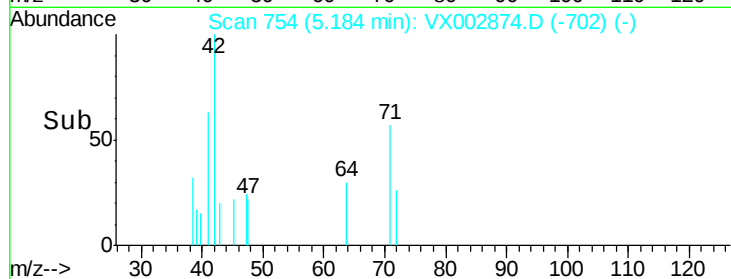
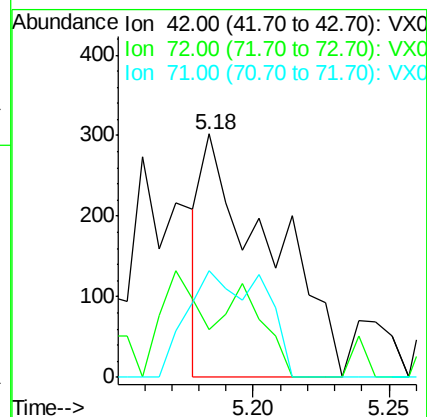
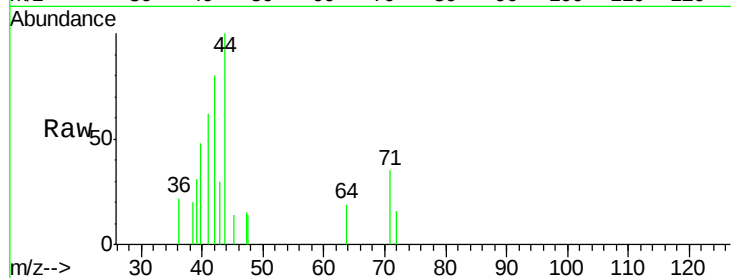
Tot Ion: 42 Resp: 514

Ion Ratio Lower Upper

42 100

72 33.7 32.0 48.0

71 50.0 30.1 45.1#



#33

1,2-Dichloroethane-d4

Concen: 49.36 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002874.D

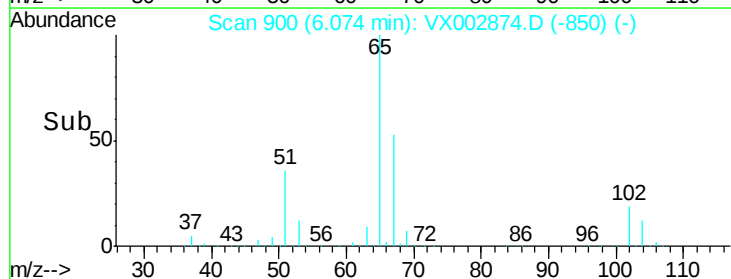
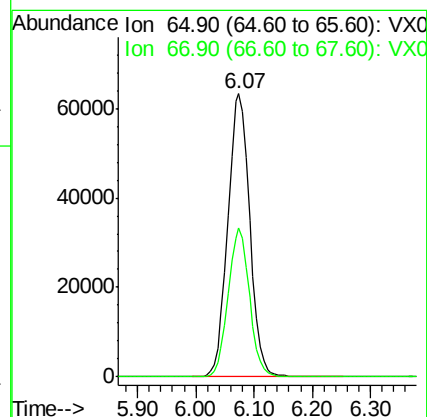
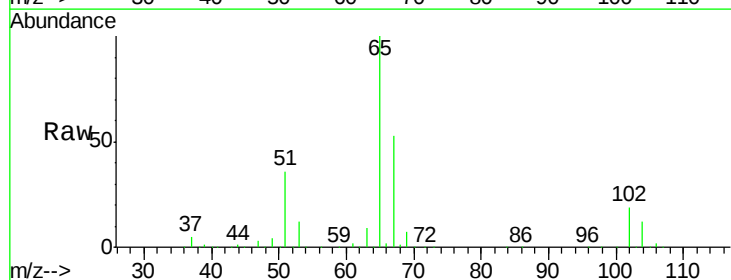
Acq: 25 Jun 2018 22:08

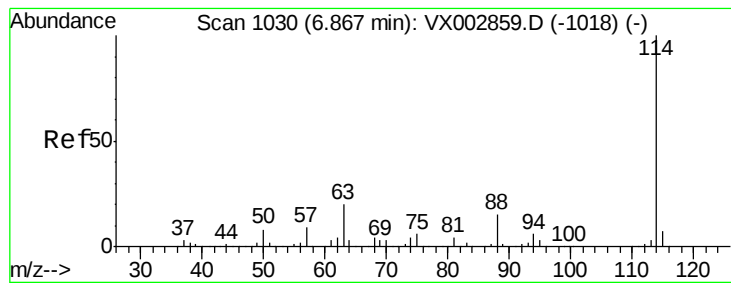
Tgt Ion: 65 Resp: 165833

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002874.D

Acq: 25 Jun 2018 22:08

Instrument :

MSVOA_X

ClientSampleId :

20180375-COMPOSITE-CS-1A-ELU

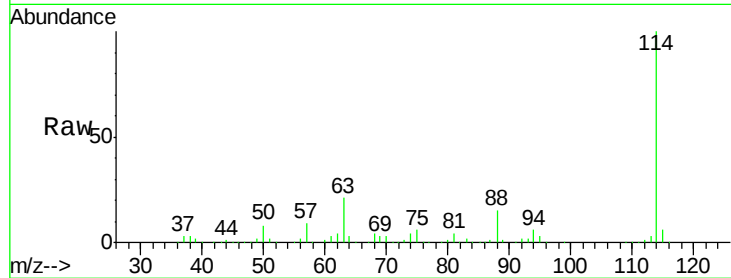
Tot Ion:114 Resp: 341734

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.4

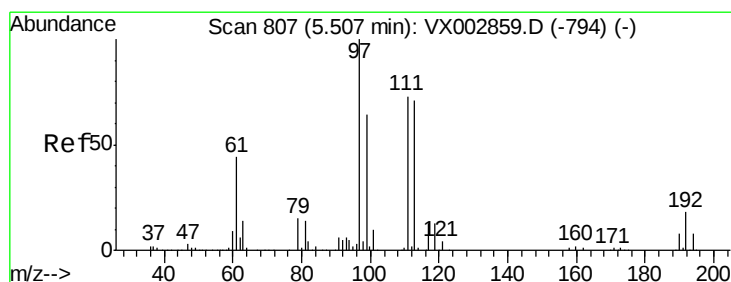
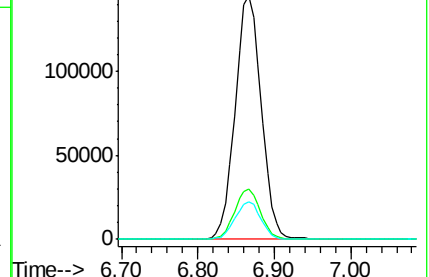
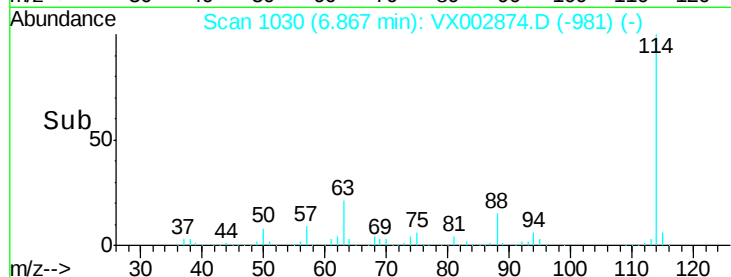
88 15.2 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.33 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002874.D

Acq: 25 Jun 2018 22:08

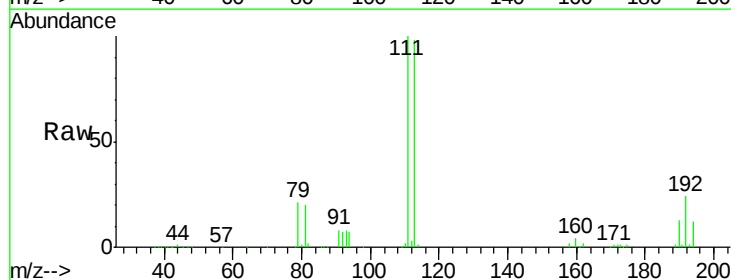
Tgt Ion:113 Resp: 128081

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

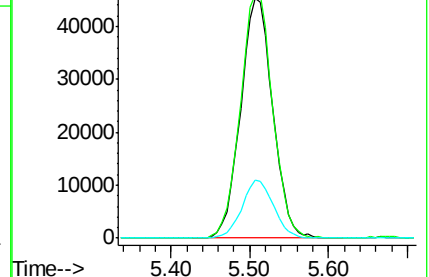
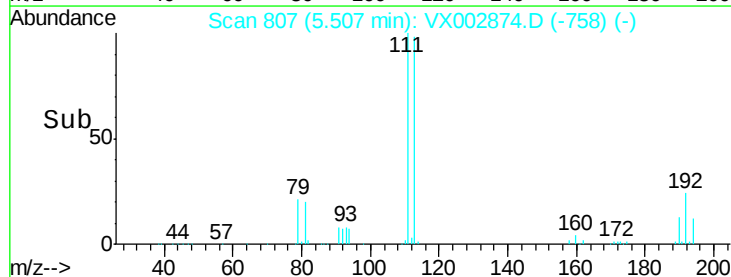
192 23.8 19.1 28.7

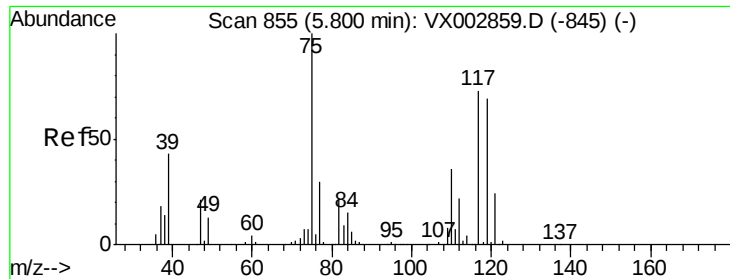


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

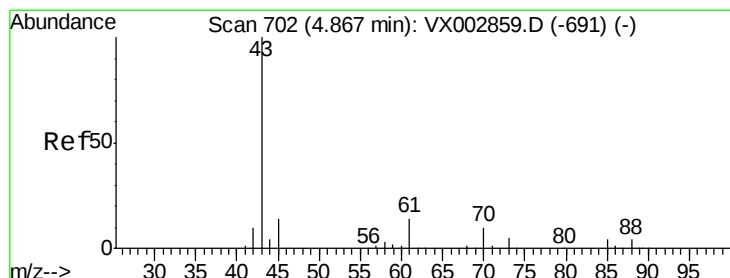
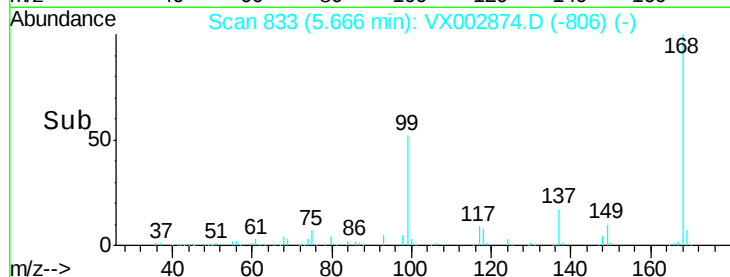
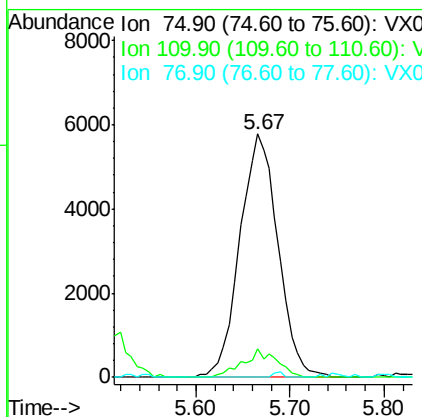
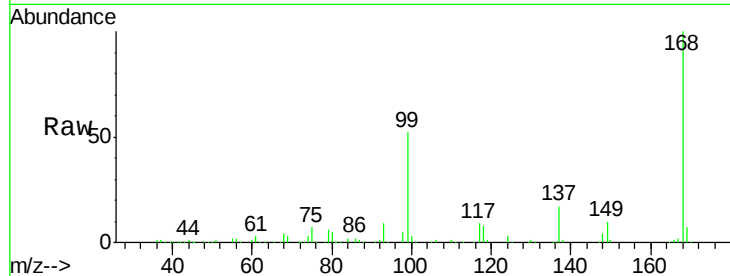




#36
 1,1-Dichloropropene
 Concen: 4.38 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002874.D
 Acq: 25 Jun 2018 22:08

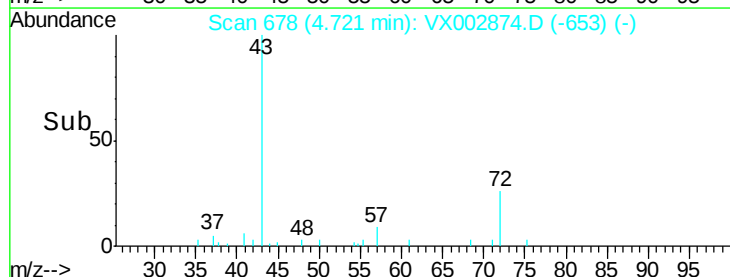
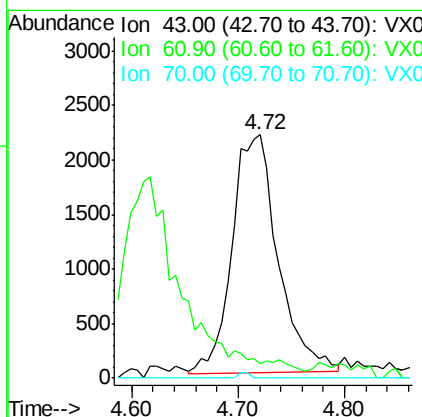
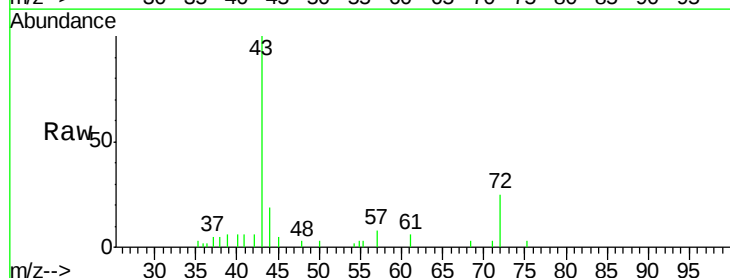
Instrument :
 MSVOA_X
 ClientSampleId :
 20180375-COMPOSITE-CS-1A-ELU

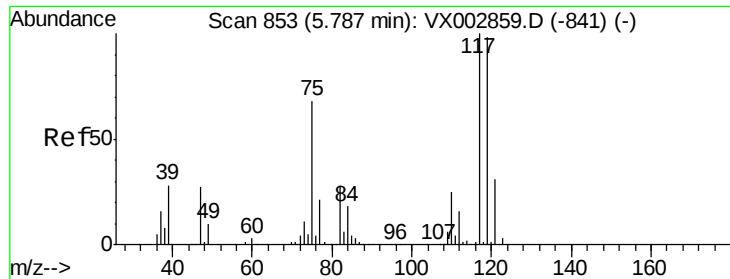
Tot Ion	75	Resp	16405
Ion Ratio	100	Lower	Upper
110	10.2	18.1	54.4#
77	0.0	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 1.63 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. -0.15 min
 Lab File: VX002874.D
 Acq: 25 Jun 2018 22:08

Tgt Ion	43	Resp	6595
Ion Ratio	100	Lower	Upper
61	0.0	10.4	15.6#
70	0.6	7.6	11.4#





#38

Carbon Tetrachloride

Concen: 5.32 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002874.D

Acq: 25 Jun 2018 22:08

Instrument :

MSVOA_X

ClientSampleId :

20180375-COMPOSITE-CS-1A-ELU

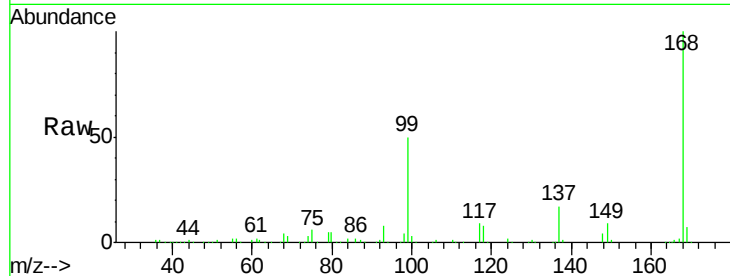
Tot Ion:117 Resp: 21885

Ion Ratio Lower Upper

117 100

119 5.2 77.4 116.0#

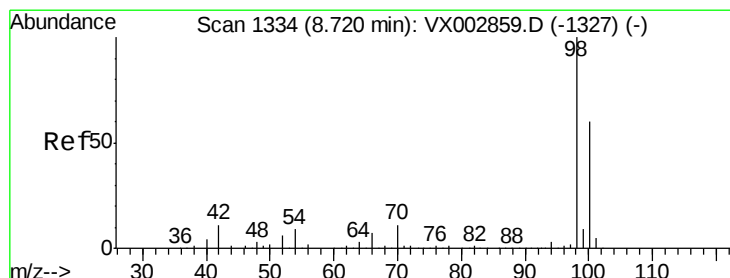
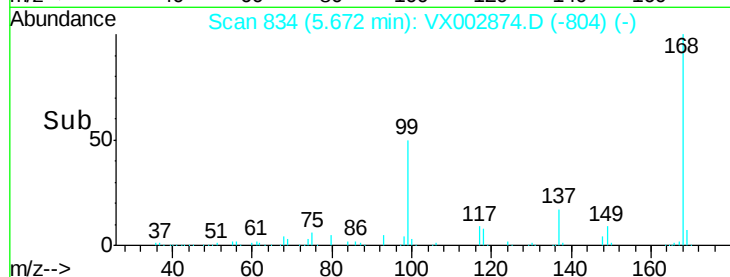
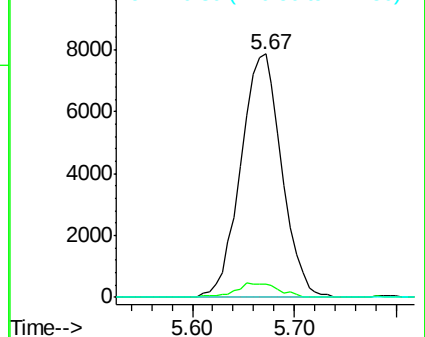
121 0.0 24.4 36.6#



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: 48.31 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002874.D

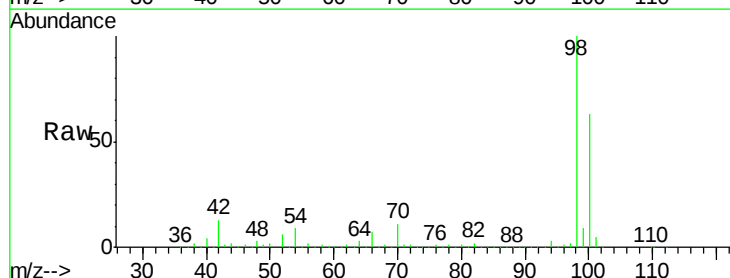
Acq: 25 Jun 2018 22:08

Tgt Ion: 98 Resp: 477397

Ion Ratio Lower Upper

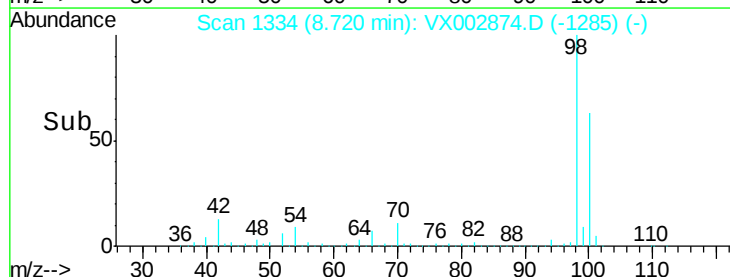
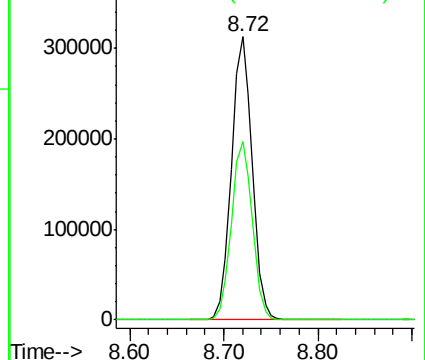
98 100

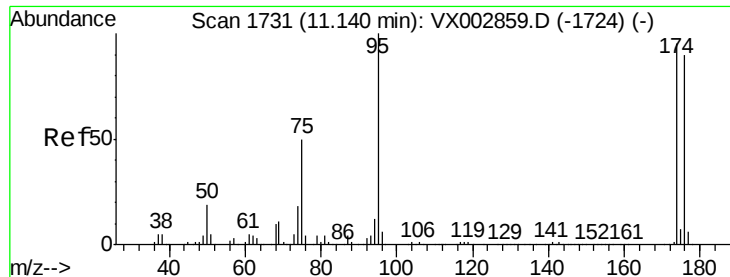
100 63.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

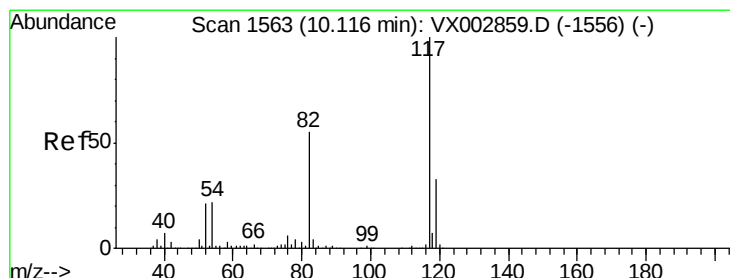
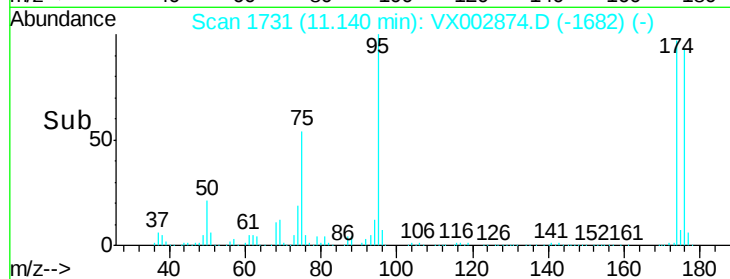
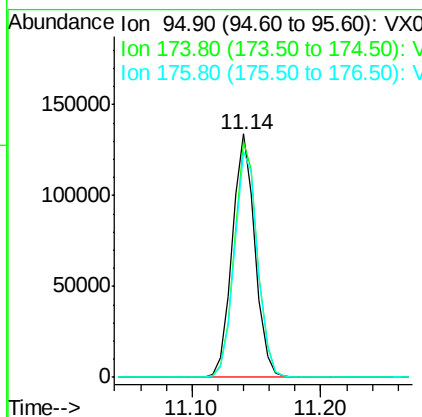
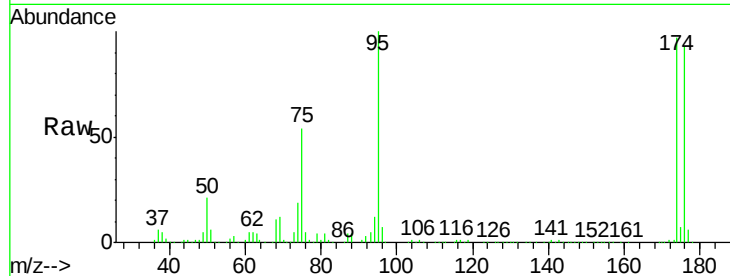




#62
4-Bromofluorobenzene
Concen: 43.31 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002874.D
Acq: 25 Jun 2018 22:08

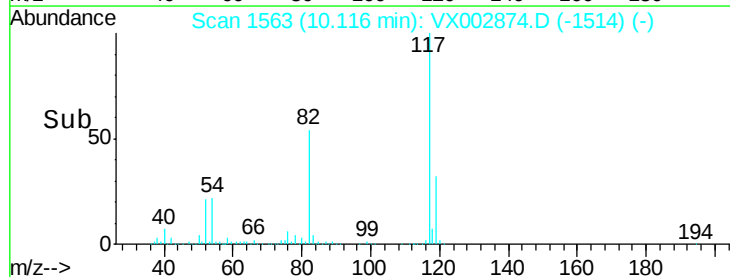
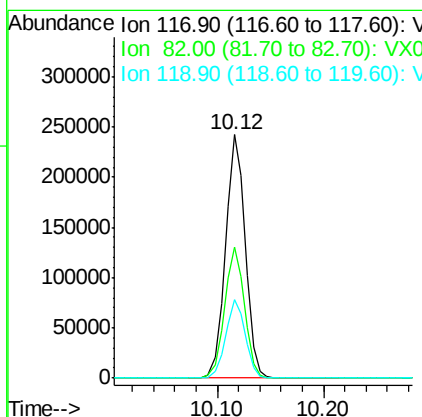
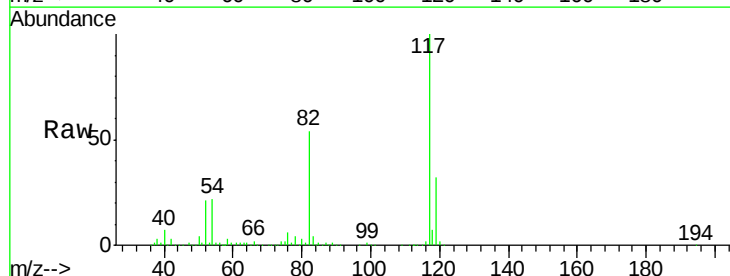
Instrument :
MSVOA_X
ClientSampleId :
20180375-COMPOSITE-CS-1A-ELU

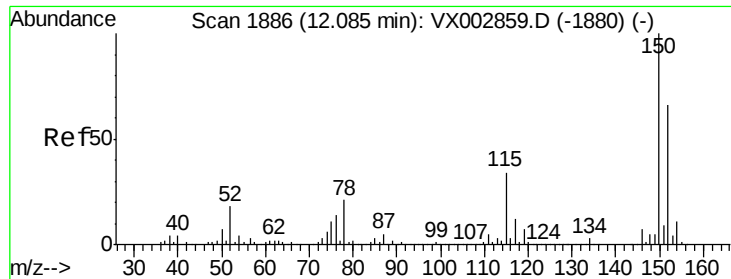
Tot Ion: 95 Resp: 165077
Ion Ratio Lower Upper
95 100
174 97.9 0.0 187.4
176 94.9 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002874.D
Acq: 25 Jun 2018 22:08

Tgt Ion: 117 Resp: 314727
Ion Ratio Lower Upper
117 100
82 53.8 45.0 67.4
119 32.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002874.D

Acq: 25 Jun 2018 22:08

Instrument :

MSVOA_X

ClientSampleId :

20180375-COMPOSITE-CS-1A-ELU

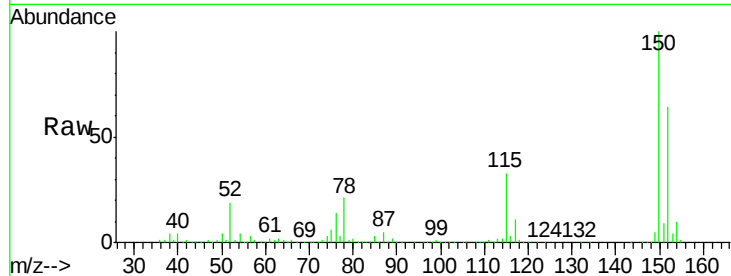
Tot Ion:152 Resp: 170633

Ion Ratio Lower Upper

152 100

115 54.6 40.1 120.2

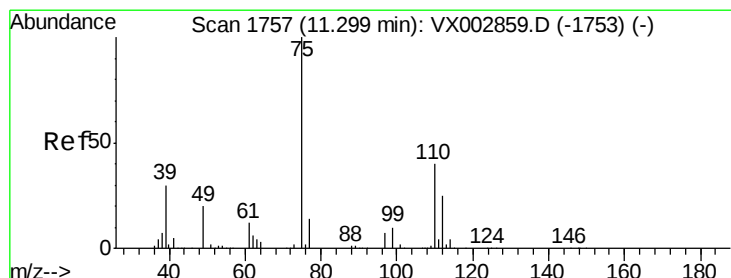
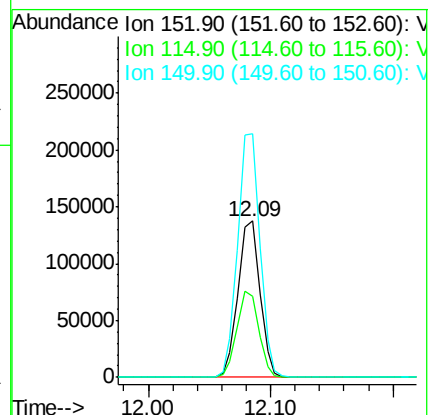
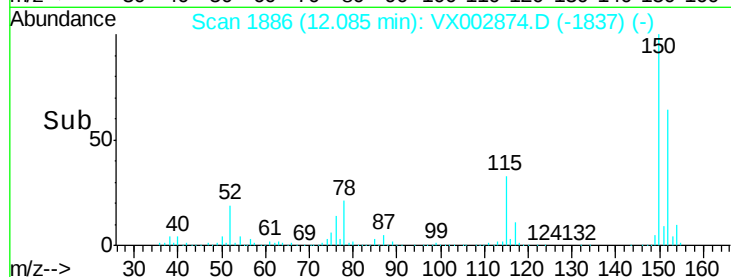
150 157.5 0.0 347.2



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: 28.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002874.D

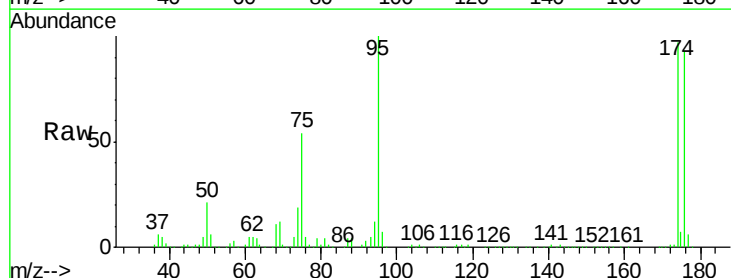
Acq: 25 Jun 2018 22:08

Tgt Ion: 75 Resp: 87976

Ion Ratio Lower Upper

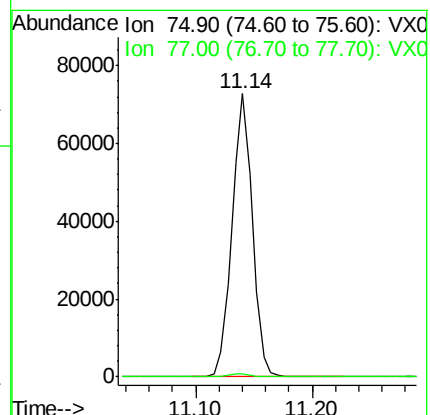
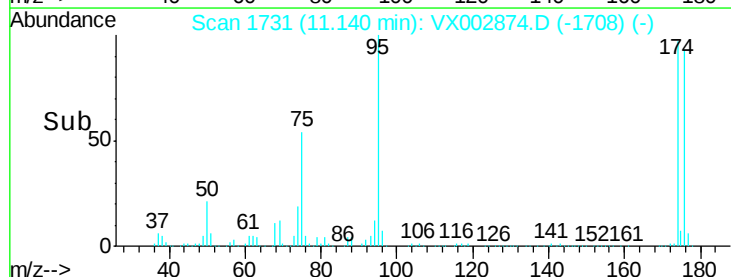
75 100

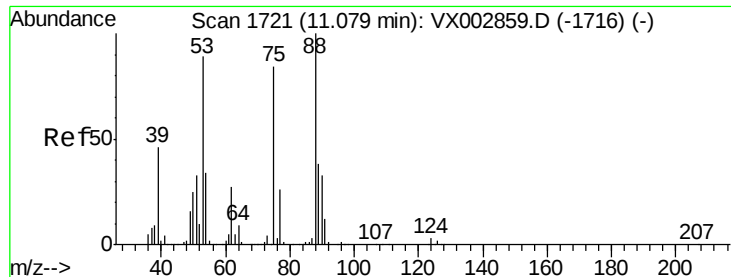
77 1.2 22.8 68.3#



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: 80.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002874.D

Acq: 25 Jun 2018 22:08

Instrument :

MSVOA_X

ClientSampleId :

20180375-COMPOSITE-CS-1A-ELU

Tot Ion: 75 Resp: 87976

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#

