

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010571.D
 Acq On : 29 Jun 2019 06:11
 Operator : JC/SP
 Sample : K3557-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-EW03-CONCRETE

Quant Time: Jun 29 07:03:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	391750	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	356991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161508	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	121572	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
35) Dibromofluoromethane	5.50	113	113919	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
50) Toluene-d8	8.71	98	463114	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.13	95	154318	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

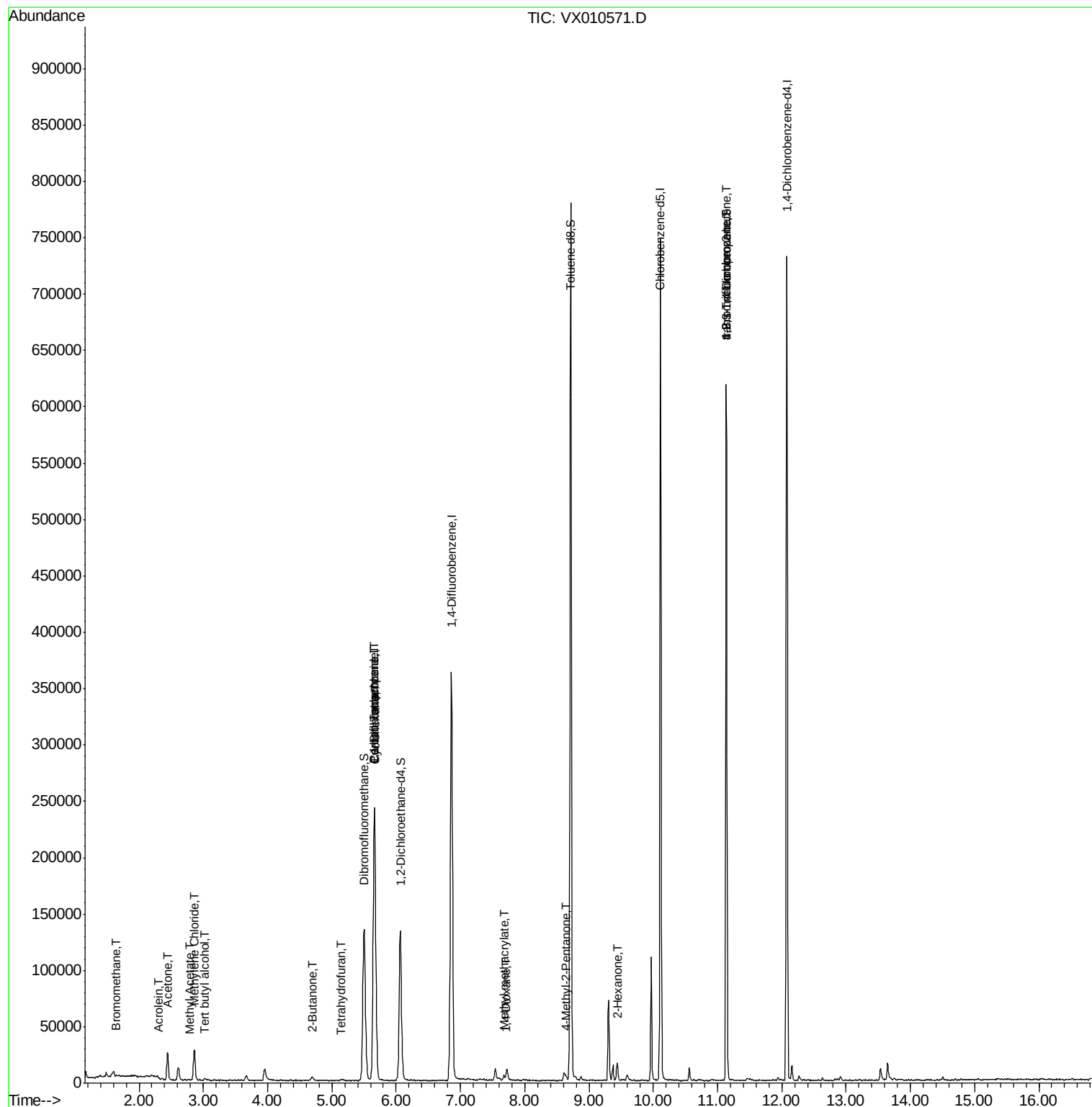
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	276	0.251	ug/l #	71
11) Tert butyl alcohol	3.01	59	653	1.046	ug/l	95
13) Acrolein	2.30	56	227	0.548	ug/l	88
16) Acetone	2.44	43	25222	21.098	ug/l	99
18) Methyl Acetate	2.78	43	1273	0.534	ug/l #	76
20) Methylene Chloride	2.85	84	14066	5.717	ug/l	94
25) 2-Butanone	4.69	43	1302	0.742	ug/l #	76
29) Tetrahydrofuran	5.15	42	620	0.571	ug/l	93
31) Cyclohexane	5.67	56	4050	1.175	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15879	5.101	ug/l #	48
38) Carbon Tetrachloride	5.66	117	22569	6.695	ug/l #	15
48) Methyl methacrylate	7.68	41	5601	2.274	ug/l #	15
49) 1,4-Dioxane	7.70	88	20	0.282	ug/l #	28
51) 4-Methyl-2-Pentanone	8.64	43	5357	1.581	ug/l #	81
59) 2-Hexanone	9.44	43	9655	3.620	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	74355	25.264	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74355	58.939	ug/l #	16

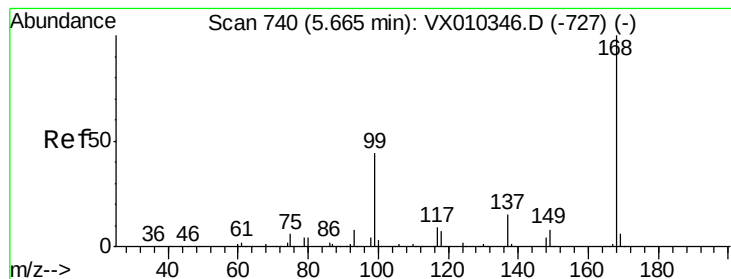
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010571.D

Acq: 29 Jun 2019 06:11

Instrument :

MSVOA_X

ClientSampleId :

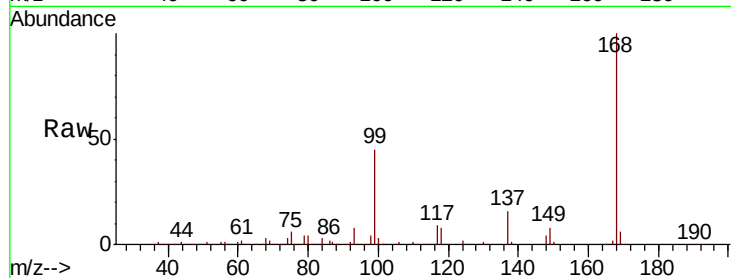
IDW-EW03-CONCRETE

Tot Ion:168 Resp: 254414

Ion Ratio Lower Upper

168 100

99 45.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

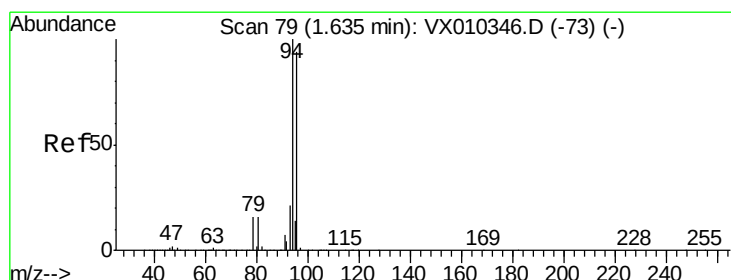
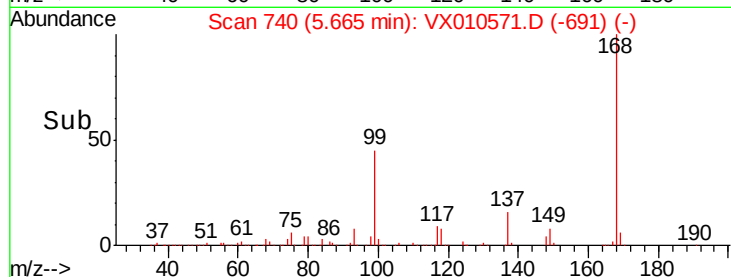
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.251 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010571.D

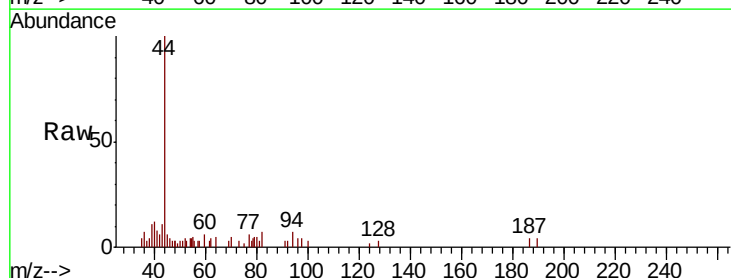
Acq: 29 Jun 2019 06:11

Tgt Ion: 94 Resp: 276

Ion Ratio Lower Upper

94 100

96 66.2 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

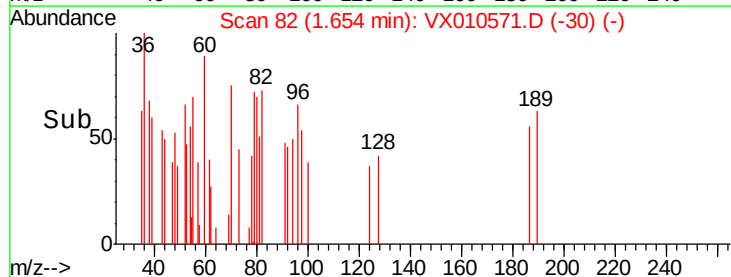
150

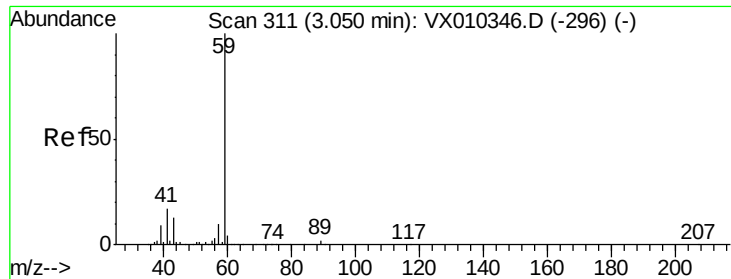
100

50

0

Time--> 1.62 1.64 1.66 1.68

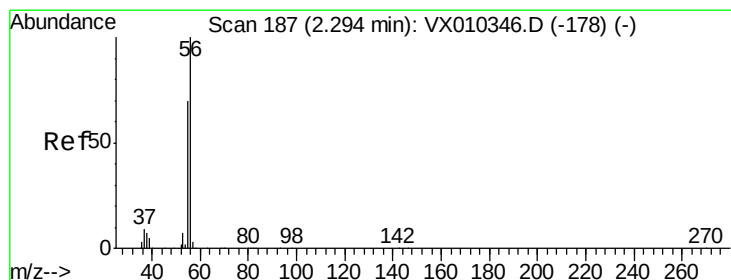
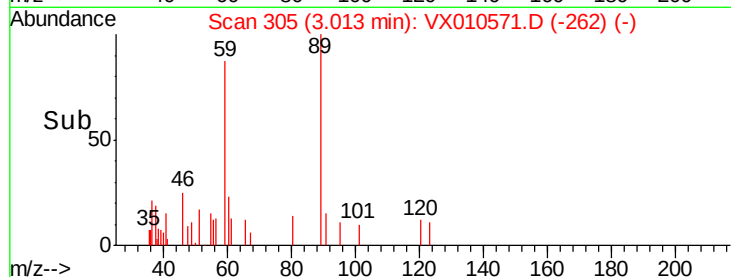
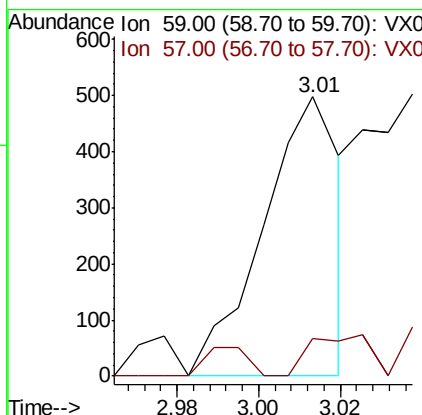
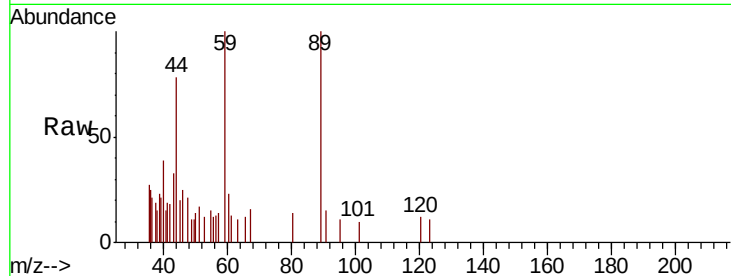




#11
Tert butyl alcohol
Concen: 1.046 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010571.D
Acq: 29 Jun 2019 06:11

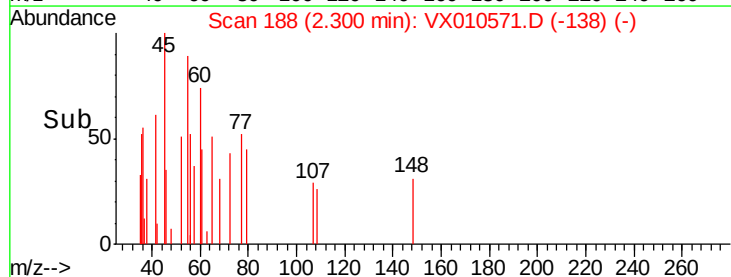
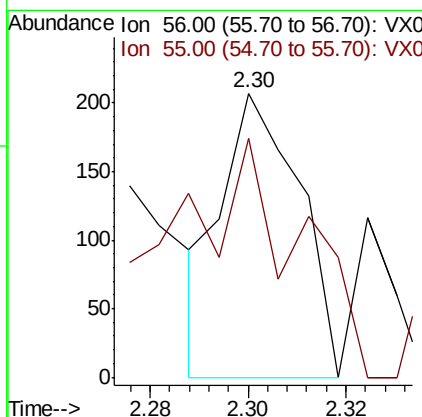
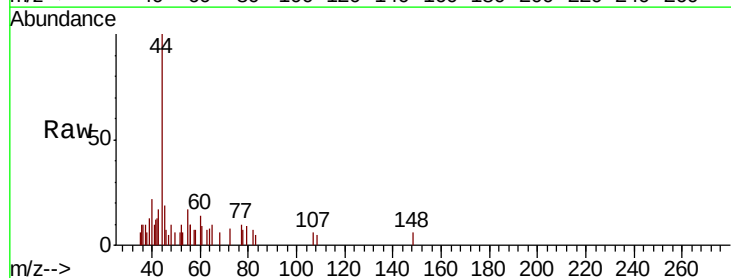
Instrument :
MSVOA_X
ClientSampleId :
IDW-EW03-CONCRETE

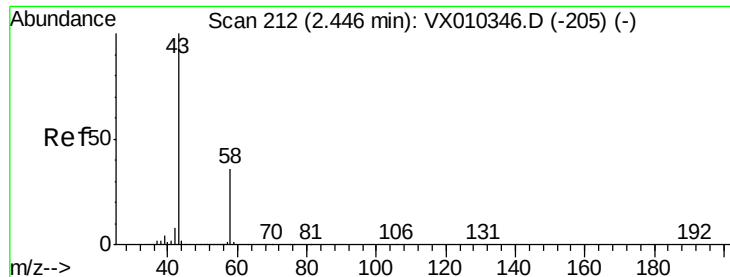
Tot Ion: 59 Resp: 653
Ion Ratio Lower Upper
59 100
57 11.5 7.7 11.5



#13
Acrolein
Concen: 0.548 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX010571.D
Acq: 29 Jun 2019 06:11

Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 81.1 56.9 85.3





#16

Acetone

Concen: 21.098 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010571.D

Acq: 29 Jun 2019 06:11

Instrument :

MSVOA_X

ClientSampleId :

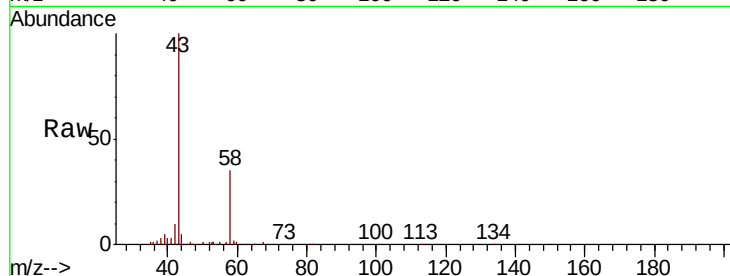
IDW-EW03-CONCRETE

Tot Ion: 43 Resp: 25222

Ion Ratio Lower Upper

43 100

58 35.3 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

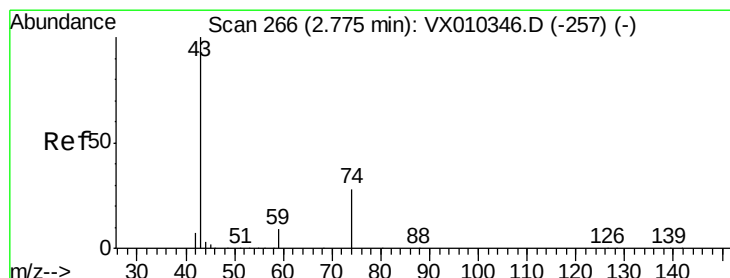
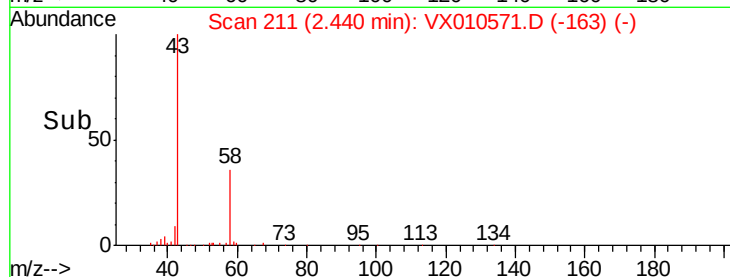
15000

10000

5000

0

Time--> 2.35 2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 0.534 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010571.D

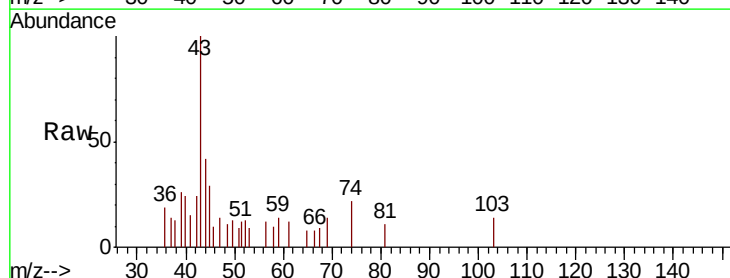
Acq: 29 Jun 2019 06:11

Tgt Ion: 43 Resp: 1273

Ion Ratio Lower Upper

43 100

74 39.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

800

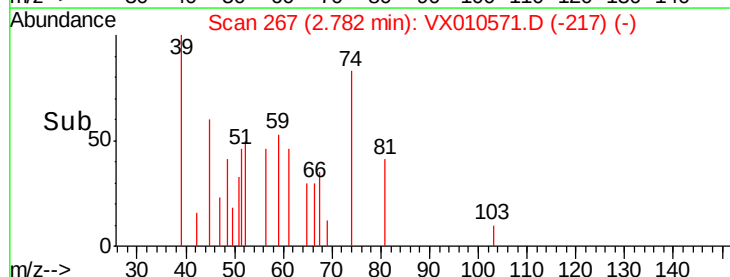
600

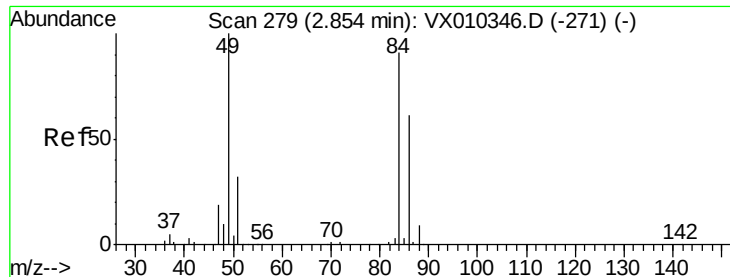
400

200

0

Time--> 2.70 2.75 2.80

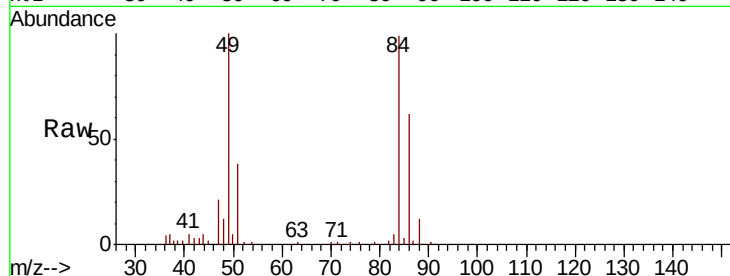




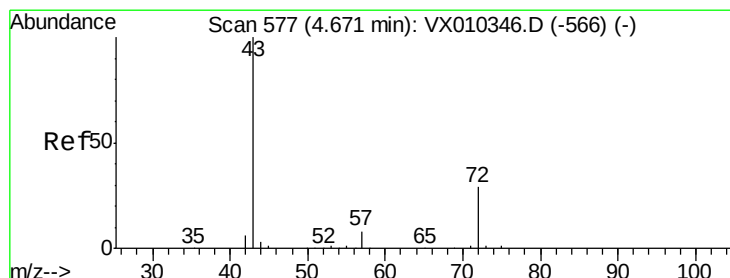
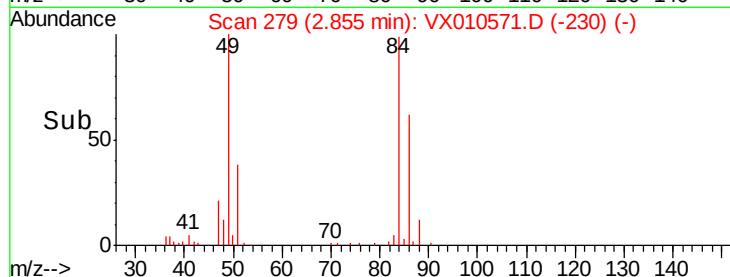
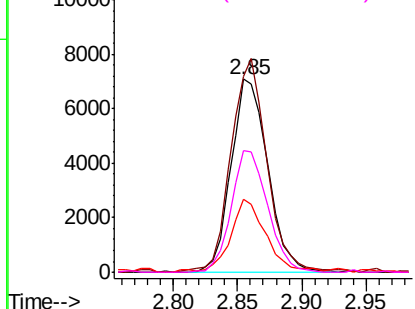
#20
Methvlene Chloride
Concen: 5.717 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010571.D
Acq: 29 Jun 2019 06:11

Instrument :
MSVOA_X
ClientSampleId :
IDW-EW03-CONCRETE

Tot Ion:	84	Resp:	14066
Ion	Ratio	Lower	Upper
84	100		
49	100.4	87.5	131.3
51	36.9	27.7	41.5
86	63.3	53.4	80.0

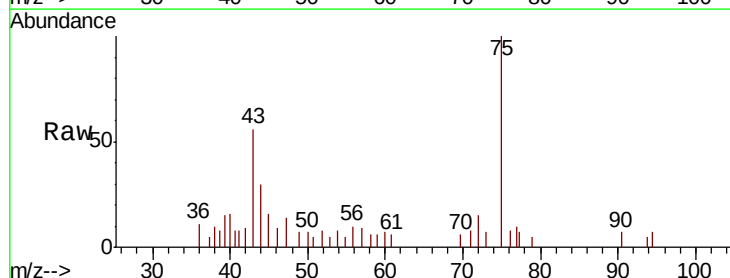


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

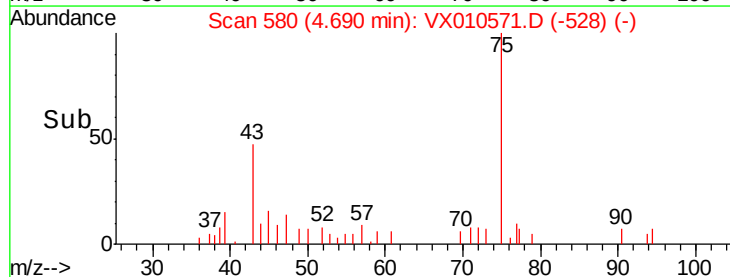
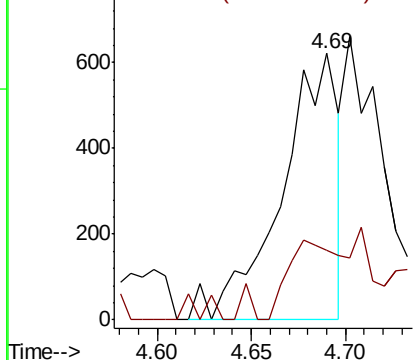


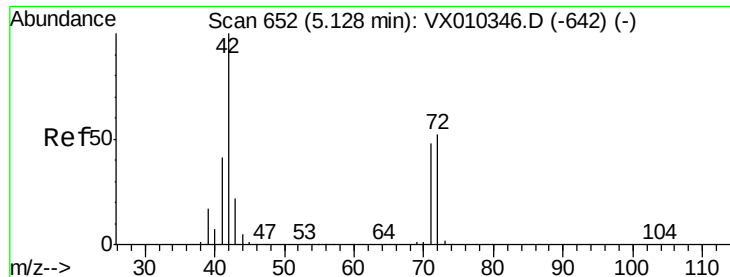
#25
2-Butanone
Concen: 0.742 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX010571.D
Acq: 29 Jun 2019 06:11

Tgt Ion:	43	Resp:	1302
Ion	Ratio	Lower	Upper
43	100		
72	16.3	23.3	34.9#



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





#29

Tetrahydrofuran

Concen: 0.571 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX010571.D

Acq: 29 Jun 2019 06:11

Instrument :

MSVOA_X

ClientSampleId :

IDW-EW03-CONCRETE

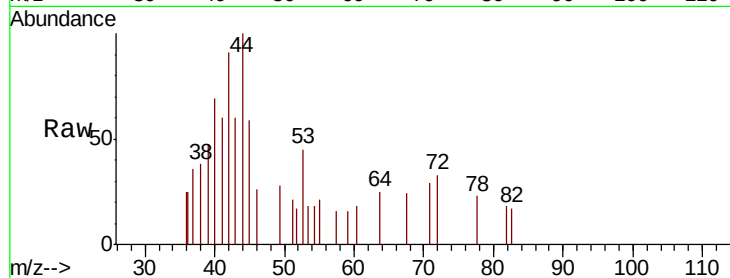
Tot Ion: 42 Resp: 620

Ion Ratio Lower Upper

42 100

72 48.5 40.6 60.8

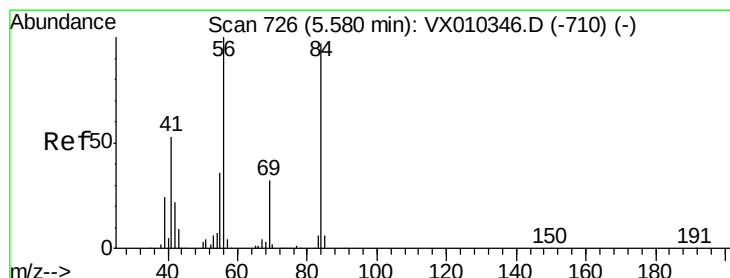
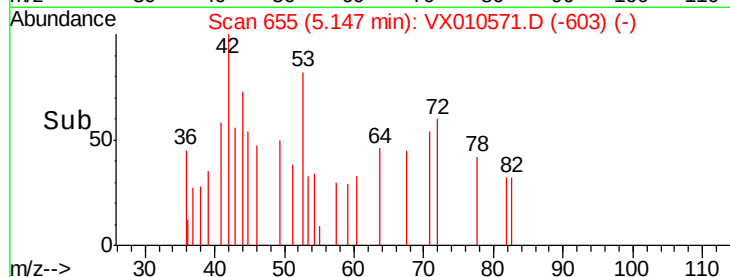
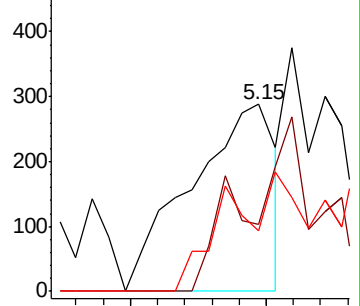
71 54.4 37.8 56.8



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: 1.175 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.09 min

Lab File: VX010571.D

Acq: 29 Jun 2019 06:11

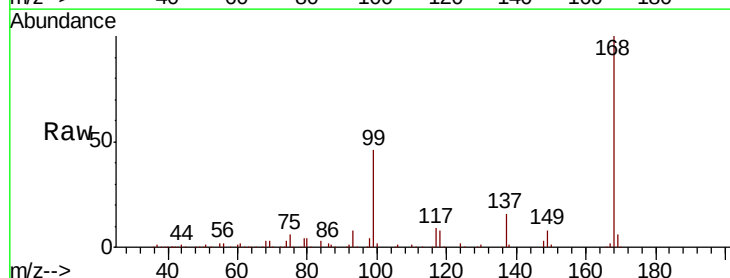
Tgt Ion: 56 Resp: 4050

Ion Ratio Lower Upper

56 100

69 155.8 25.9 38.9#

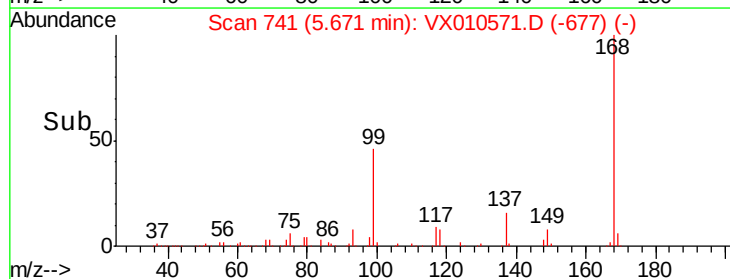
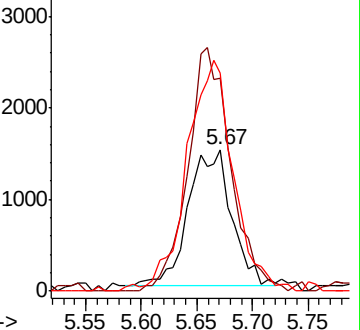
84 156.0 78.0 117.0#

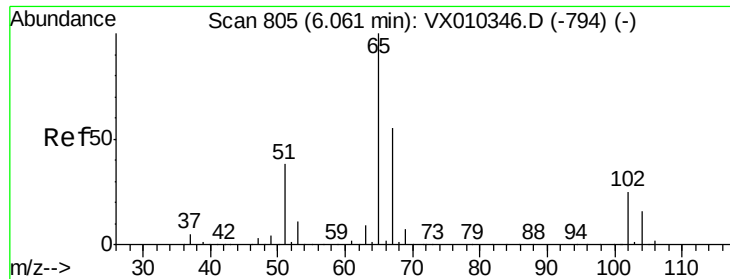


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

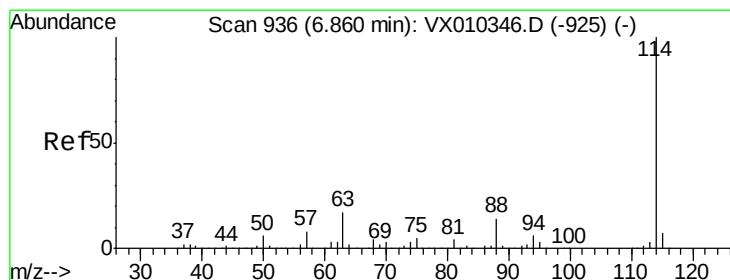
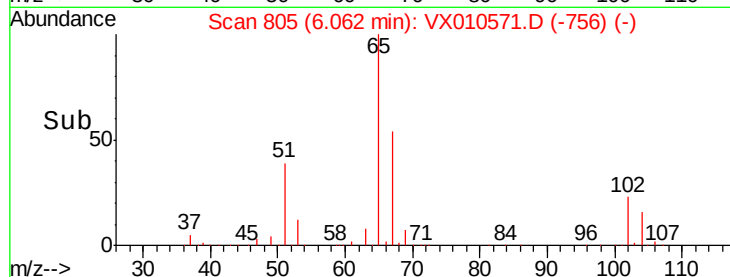
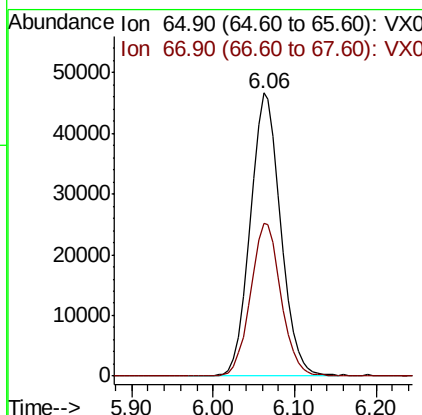
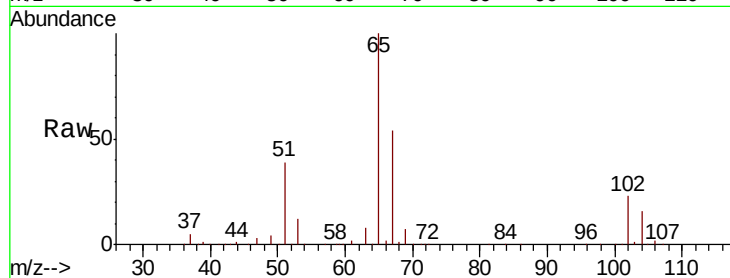




#33
 1,2-Dichloroethane-d4
 Concen: 50.965 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010571.D
 Acq: 29 Jun 2019 06:11

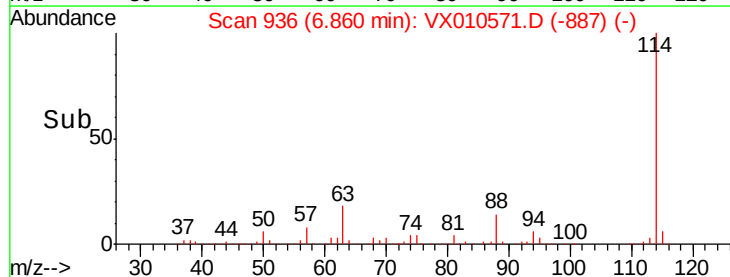
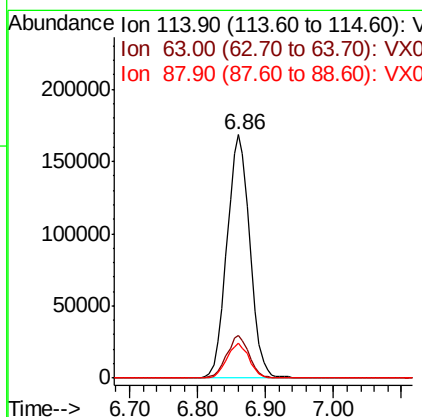
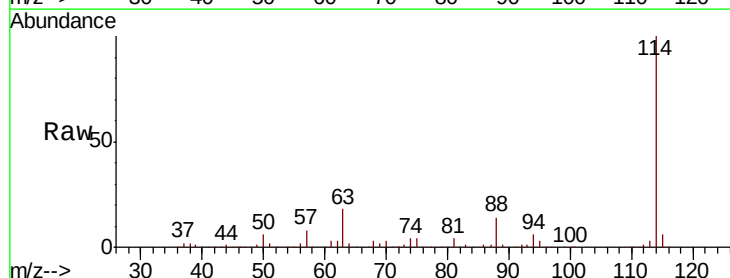
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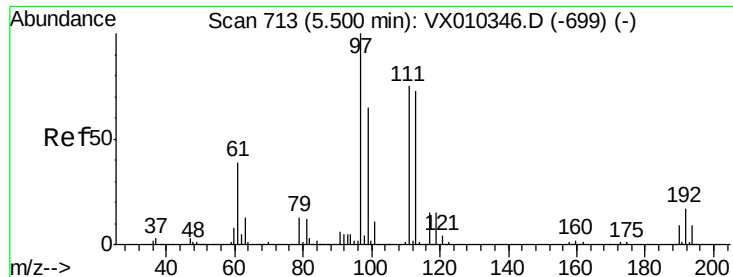
Tot Ion: 65 Resp: 121572
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010571.D
 Acq: 29 Jun 2019 06:11

Tgt Ion: 114 Resp: 391750
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 33.8
 88 14.3 0.0 27.6

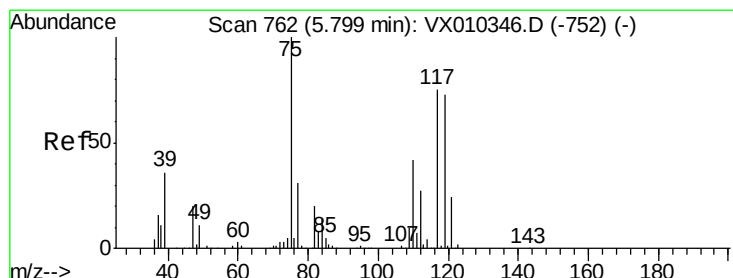
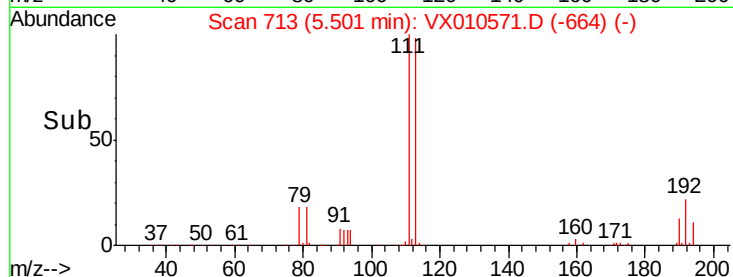
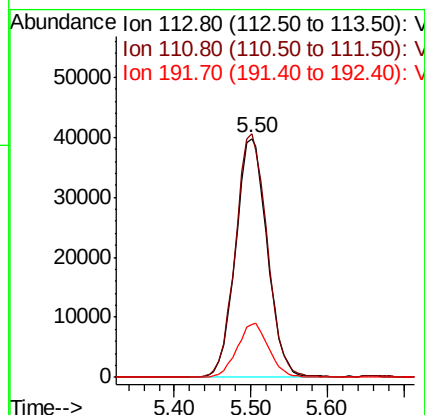
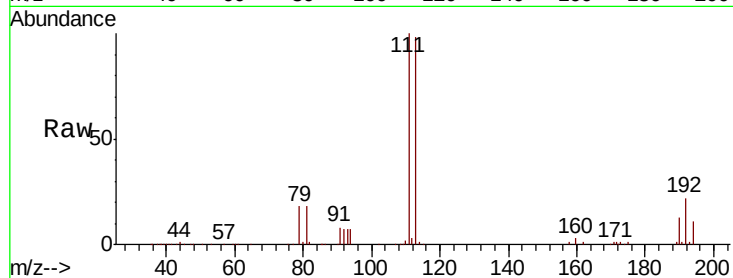




#35
 Dibromofluoromethane
 Concen: 47.528 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010571.D
 Acq: 29 Jun 2019 06:11

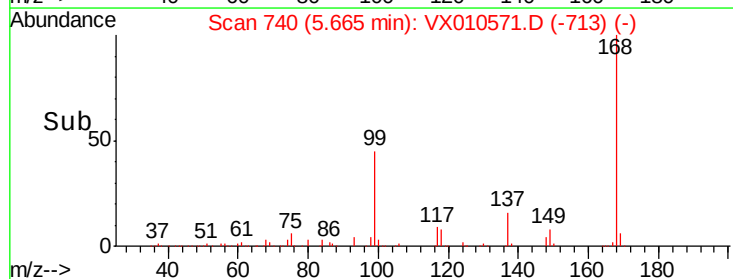
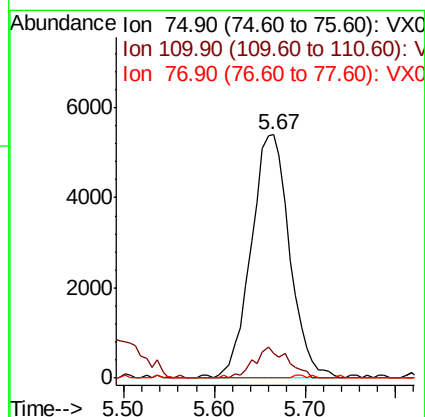
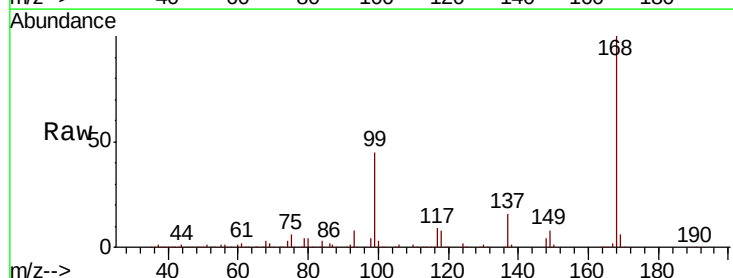
Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-EW03-CONCRETE

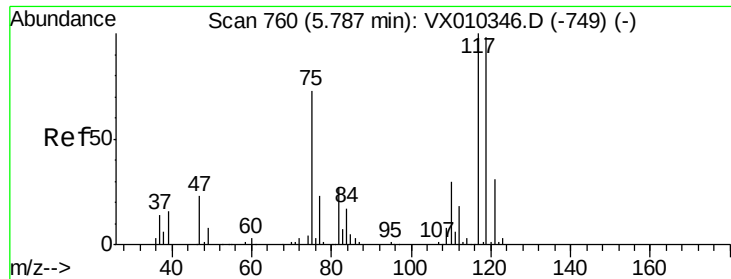
Tot Ion:113 Resp: 113919
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.2 121.8
 192 22.5 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.101 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010571.D
 Acq: 29 Jun 2019 06:11

Tgt Ion: 75 Resp: 15879
 Ion Ratio Lower Upper
 75 100
 110 11.1 20.8 62.2#
 77 0.0 25.4 38.0#

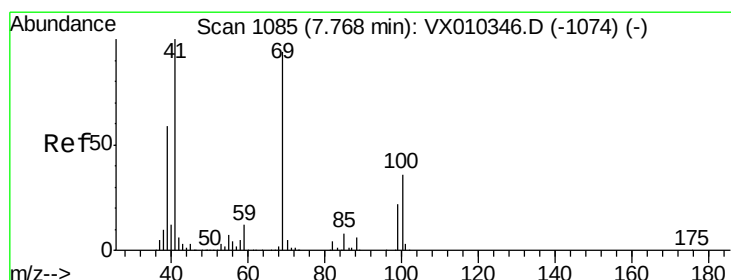
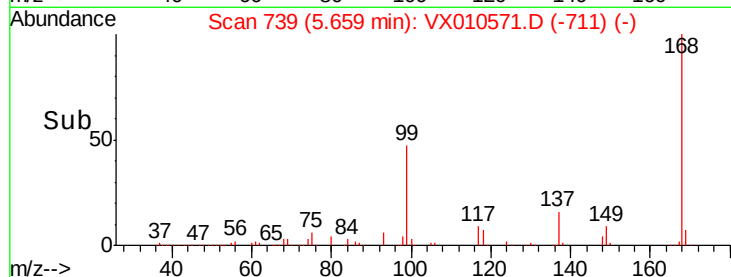
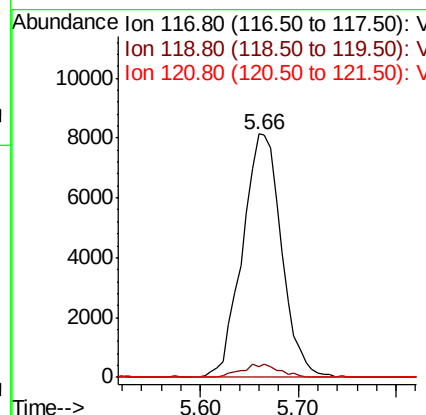
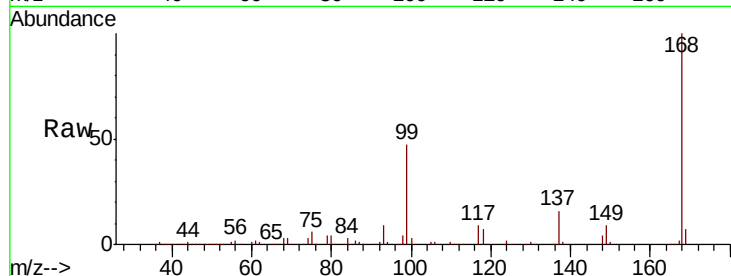




#38
Carbon Tetrachloride
Concen: 6.695 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX010571.D
Acq: 29 Jun 2019 06:11

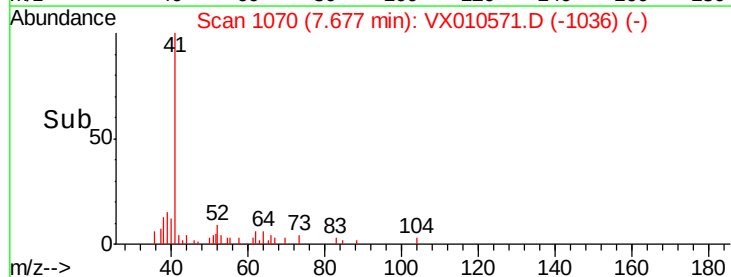
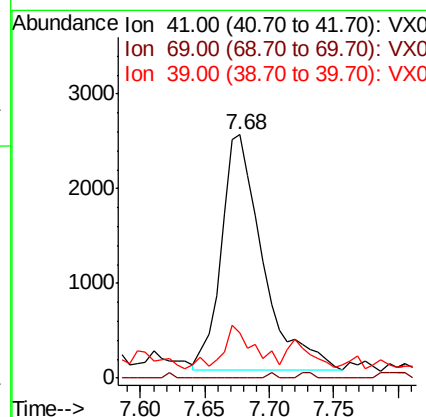
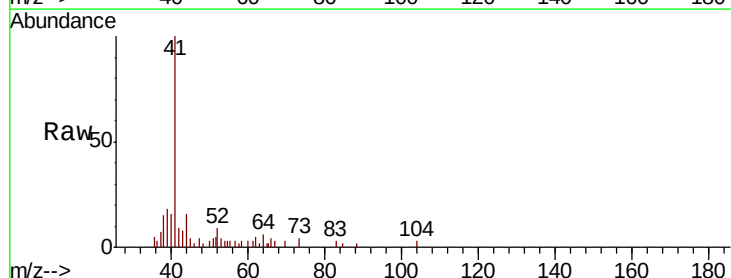
Instrument :
MSVOA_X
ClientSampleId :
IDW-EW03-CONCRETE

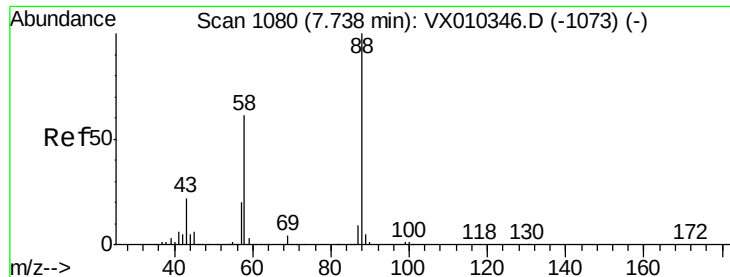
Tot Ion:117 Resp: 22569
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.4#
121 0.0 24.7 37.1#



#48
Methyl methacrylate
Concen: 2.274 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX010571.D
Acq: 29 Jun 2019 06:11

Tgt Ion: 41 Resp: 5601
Ion Ratio Lower Upper
41 100
69 0.0 76.1 114.1#
39 11.6 47.6 71.4#

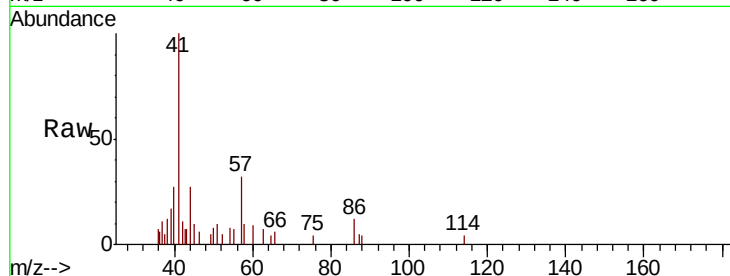




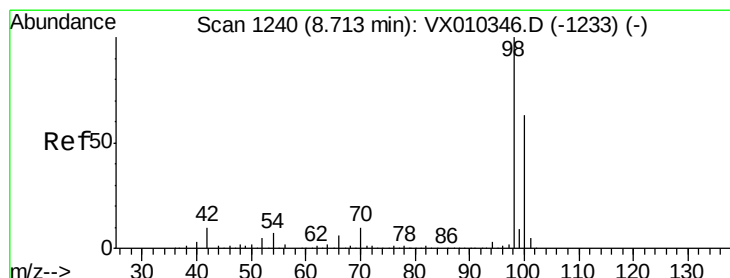
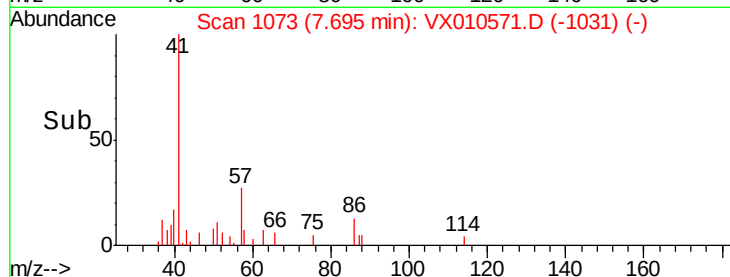
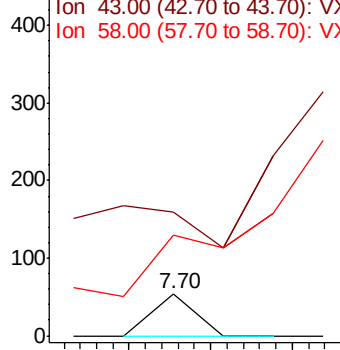
#49
1,4-Dioxane
Concen: 0.282 ug/l
RT: 7.70 min Scan# 1073
Delta R.T. -0.04 min
Lab File: VX010571.D
Acq: 29 Jun 2019 06:11

Instrument :
MSVOA_X
ClientSampleId :
IDW-EW03-CONCRETE

Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#

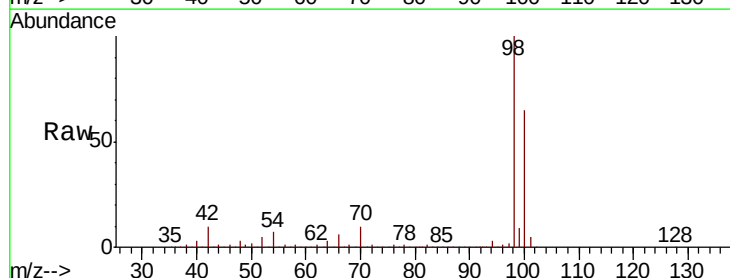


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

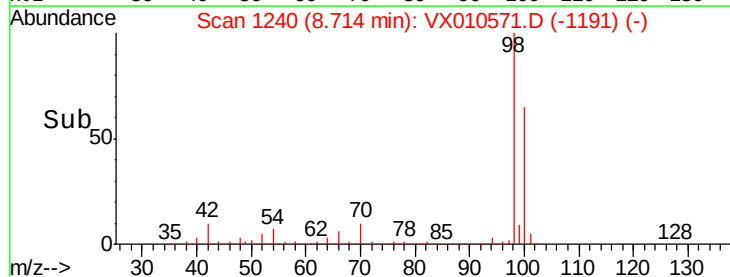
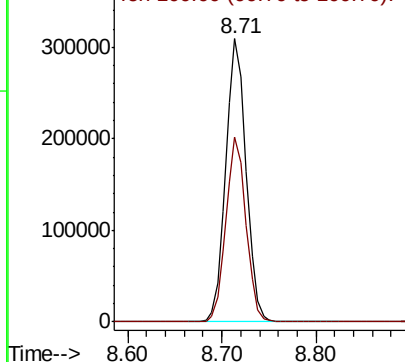


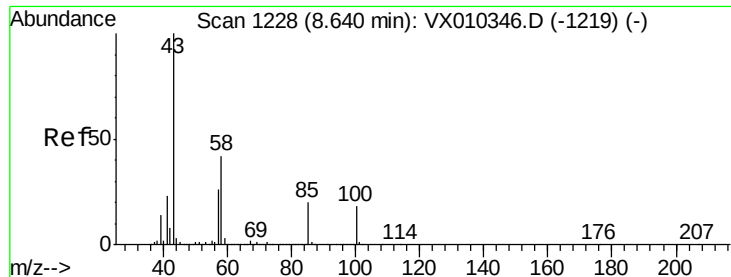
#50
Toluene-d8
Concen: 50.503 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010571.D
Acq: 29 Jun 2019 06:11

Tgt Ion: 98 Resp: 463114
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.581 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010571.D

Acq: 29 Jun 2019 06:11

Instrument :

MSVOA_X

ClientSampleId :

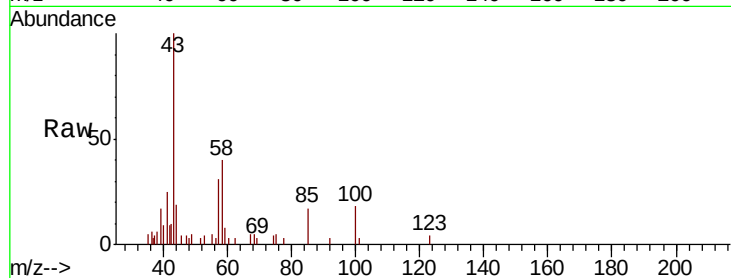
IDW-EW03-CONCRETE

Tot Ion: 43 Resp: 5357

Ion Ratio Lower Upper

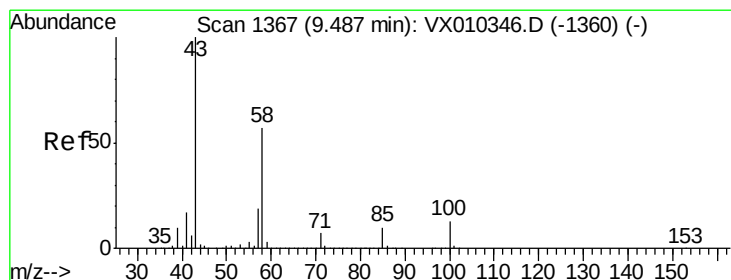
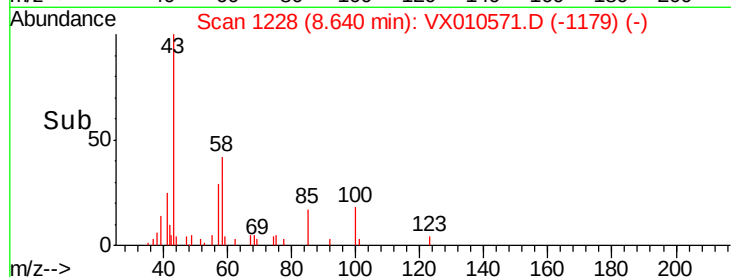
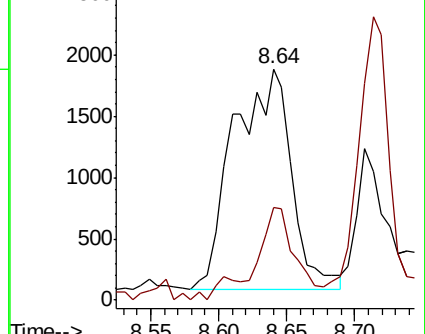
43 100

58 29.8 33.5 50.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#59

2-Hexanone

Concen: 3.620 ug/l

RT: 9.44 min Scan# 1359

Delta R.T. -0.05 min

Lab File: VX010571.D

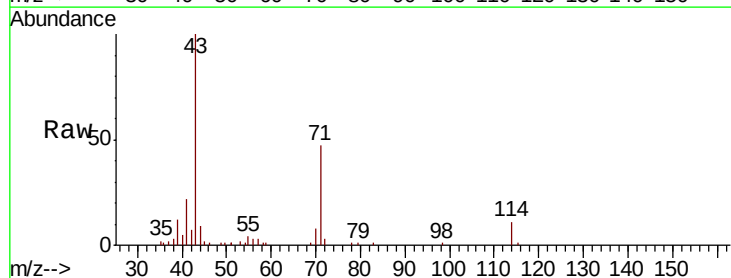
Acq: 29 Jun 2019 06:11

Tgt Ion: 43 Resp: 9655

Ion Ratio Lower Upper

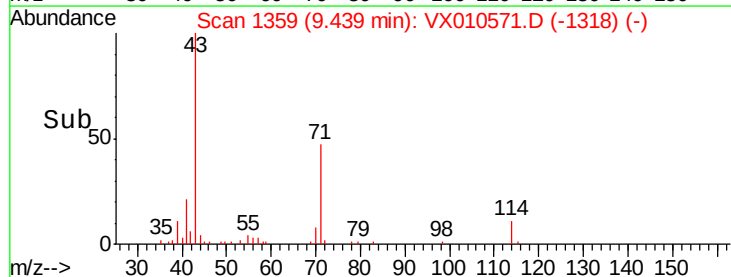
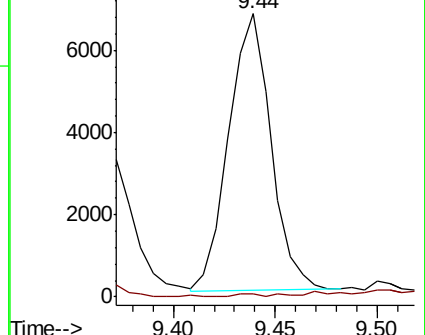
43 100

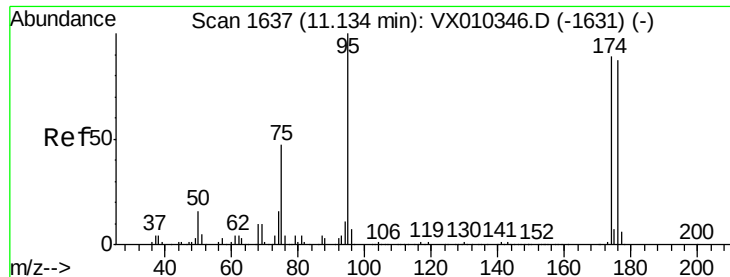
58 0.5 29.0 87.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.613 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010571.D

Acq: 29 Jun 2019 06:11

Instrument :

MSVOA_X

ClientSampleId :

IDW-EW03-CONCRETE

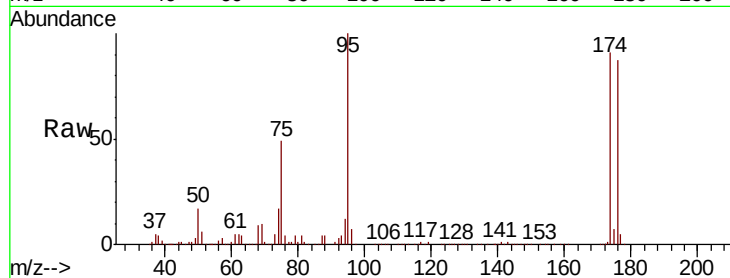
Tot Ion: 95 Resp: 154318

Ion Ratio Lower Upper

95 100

174 94.9 0.0 187.6

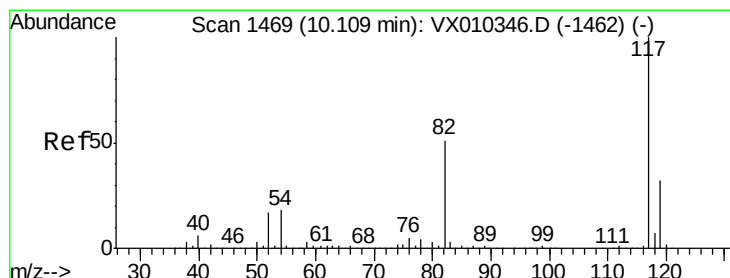
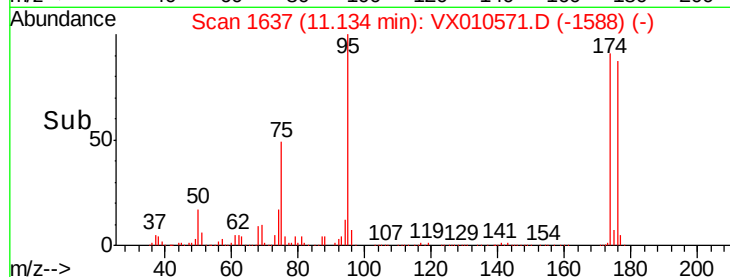
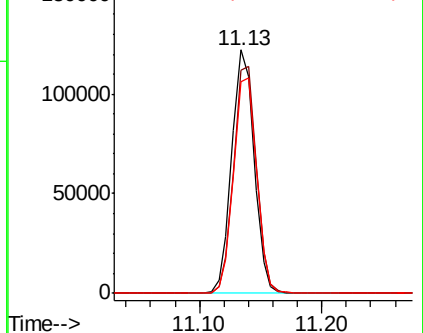
176 91.4 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010571.D

Acq: 29 Jun 2019 06:11

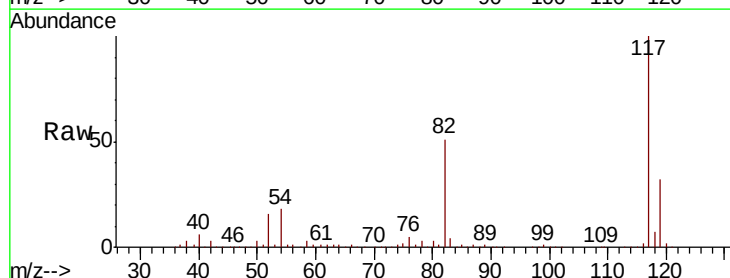
Tgt Ion: 117 Resp: 356991

Ion Ratio Lower Upper

117 100

82 51.1 41.2 61.8

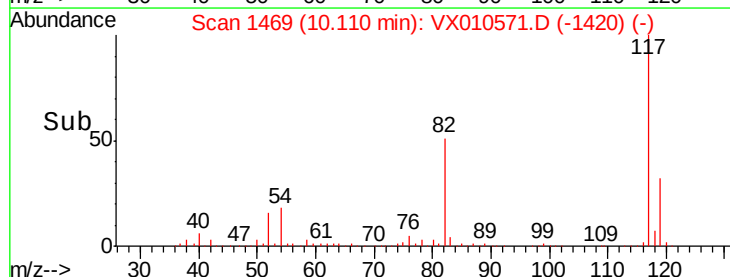
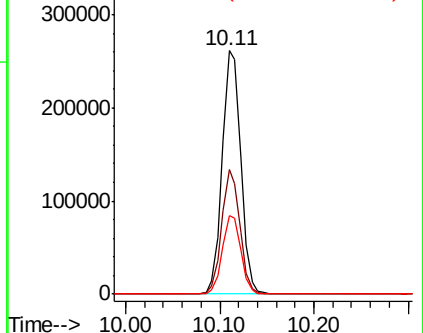
119 32.5 25.5 38.3

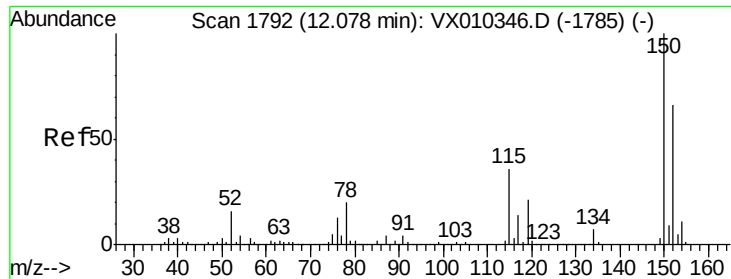


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010571.D

Acq: 29 Jun 2019 06:11

Instrument :

MSVOA_X

ClientSampleId :

IDW-EW03-CONCRETE

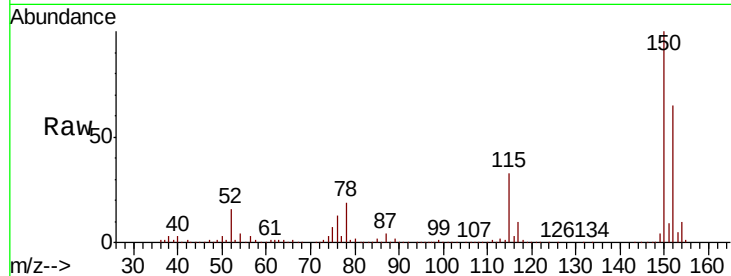
Tot Ion:152 Resp: 161508

Ion Ratio Lower Upper

152 100

115 54.4 38.6 115.7

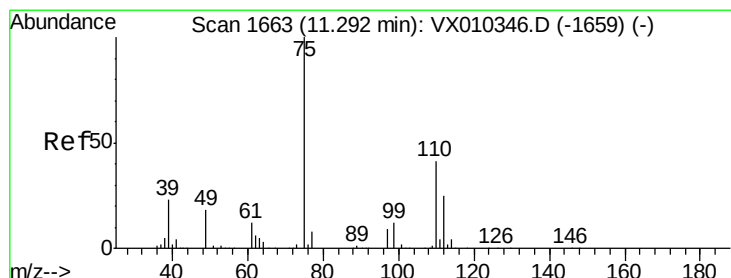
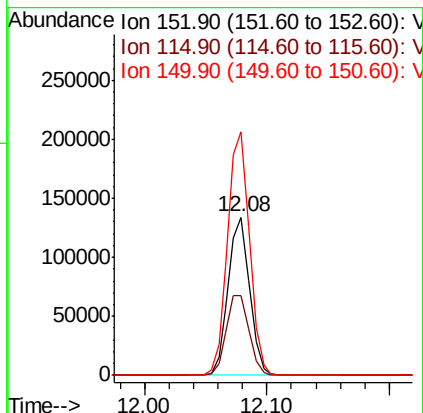
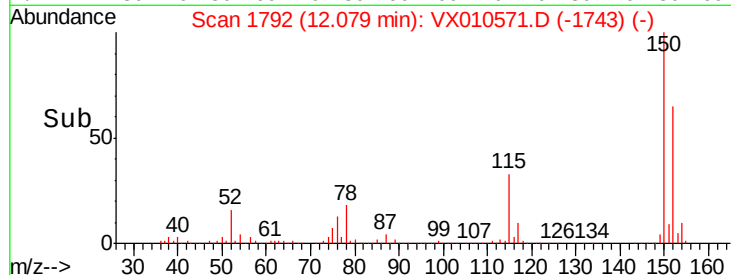
150 157.6 0.0 347.4



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: 25.264 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010571.D

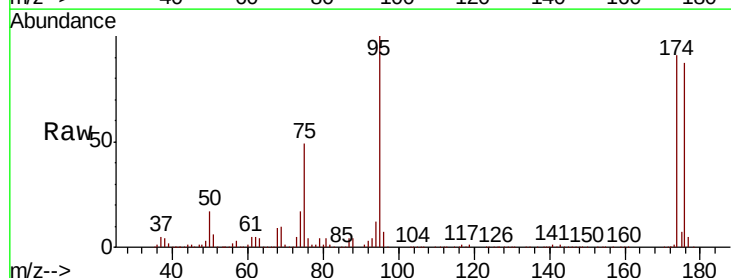
Acq: 29 Jun 2019 06:11

Tgt Ion: 75 Resp: 74355

Ion Ratio Lower Upper

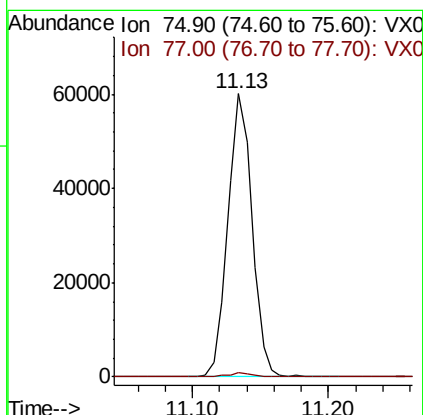
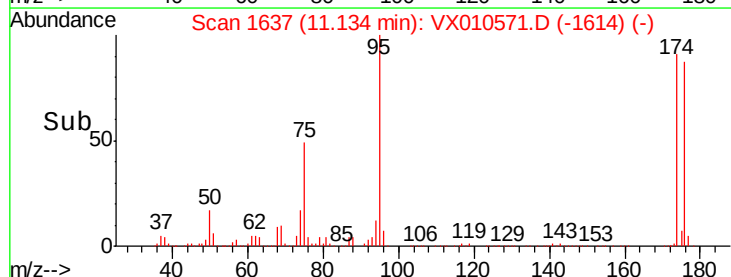
75 100

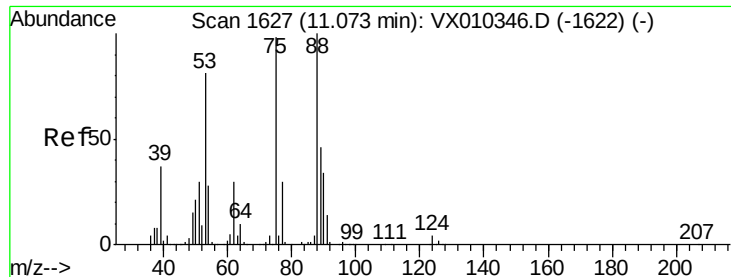
77 1.5 22.6 67.8#



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: 58.939 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010571.D

Acq: 29 Jun 2019 06:11

Instrument :

MSVOA_X

ClientSampleId :

IDW-EW03-CONCRETE

Tot Ion: 75 Resp: 74355

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.1 37.8 56.6#

