

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010570.D
 Acq On : 29 Jun 2019 05:48
 Operator : JC/SP
 Sample : K3557-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-EW03-TRENCH

Quant Time: Jun 29 07:03:35 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	5.66	168	243436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	376482	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	345728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157699	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	117797	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
35) Dibromofluoromethane	5.50	113	112630	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
50) Toluene-d8	8.71	98	450029	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.13	95	148609	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	

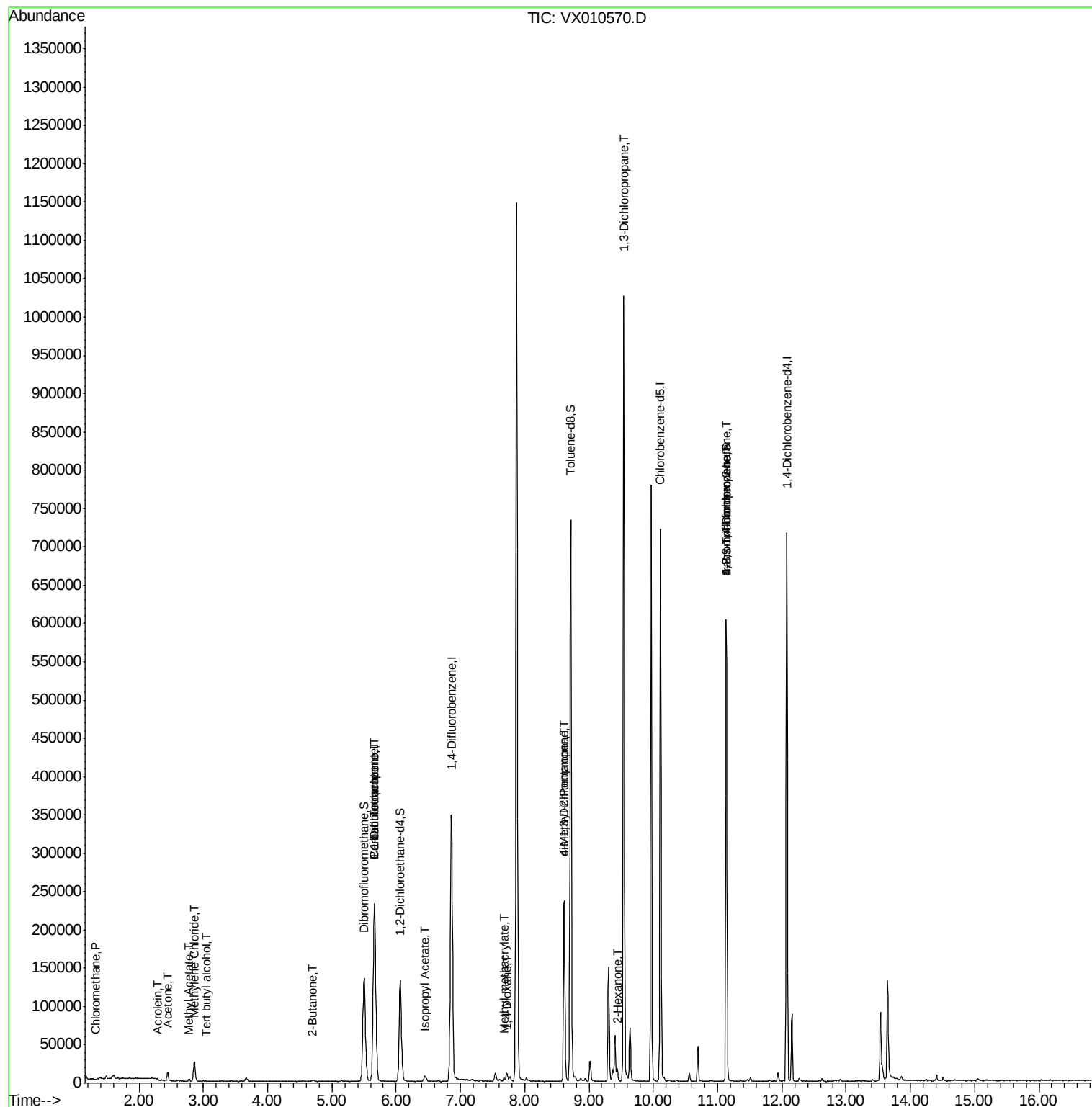
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	476	0.242	ug/l #	82
11) Tert butyl alcohol	3.05	59	955	1.599	ug/l #	88
13) Acrolein	2.28	56	379	0.957	ug/l #	42
16) Acetone	2.45	43	11515	10.066	ug/l	99
18) Methyl Acetate	2.78	43	2112	0.926	ug/l #	83
20) Methylene Chloride	2.86	84	12900	5.480	ug/l	96
25) 2-Butanone	4.69	43	2132	1.271	ug/l	97
36) 1,1-Dichloropropene	5.66	75	15592	5.212	ug/l #	38
38) Carbon Tetrachloride	5.67	117	21920	6.766	ug/l #	14
43) Isopropyl Acetate	6.45	43	10446	2.051	ug/l	97
48) Methyl methacrylate	7.68	41	5832	2.464	ug/l #	9
49) 1,4-Dioxane	7.73	88	22	0.323	ug/l #	28
51) 4-Methyl-2-Pentanone	8.62	43	75769	23.265	ug/l #	47
54) cis-1,3-Dichloropropene	8.62	75	41464	10.997	ug/l #	60
57) 1,3-Dichloropropane	9.54	76	9210	2.344	ug/l #	44
59) 2-Hexanone	9.44	43	10049	3.921	ug/l #	22
76) 1,2,3-Trichloropropane	11.13	75	71657	24.936	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71657	58.172	ug/l #	16

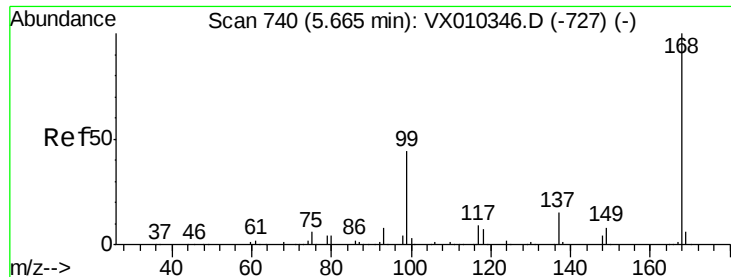
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010570.D

Acq: 29 Jun 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

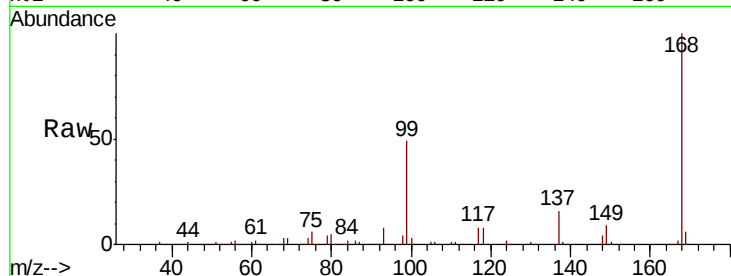
IDW-EW03-TRENCH

Tot Ion:168 Resp: 243436

Ion Ratio Lower Upper

168 100

99 48.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

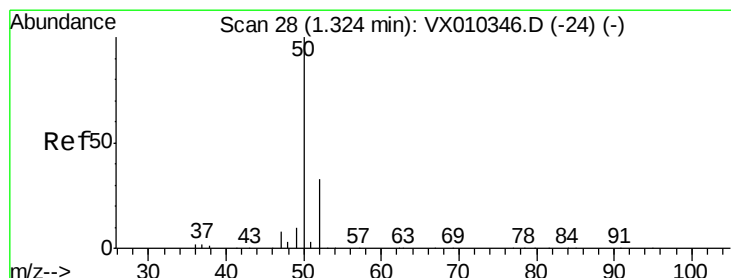
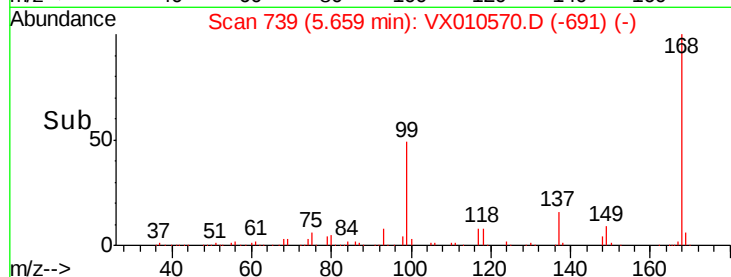
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.242 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010570.D

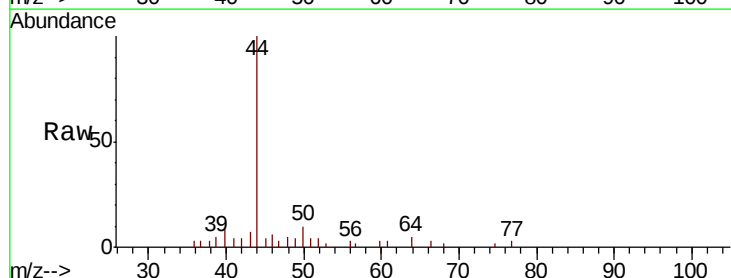
Acq: 29 Jun 2019 05:48

Tgt Ion: 50 Resp: 476

Ion Ratio Lower Upper

50 100

52 43.1 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

250

200

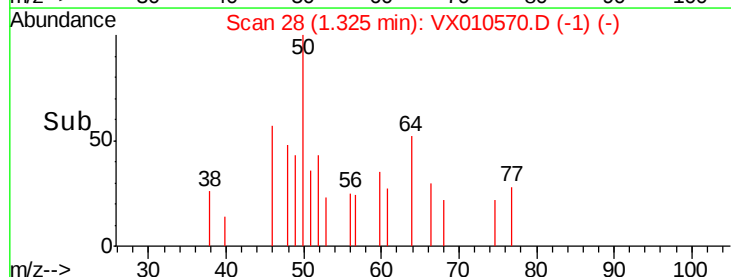
150

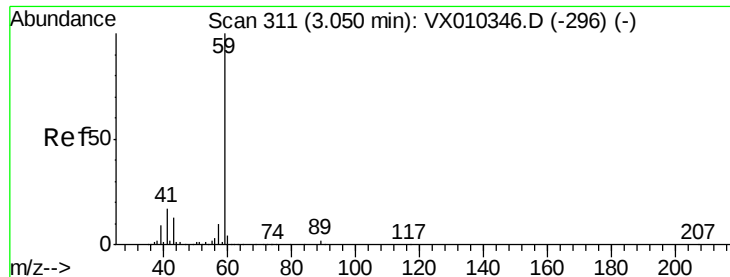
100

50

0

Time--> 1.30 1.35



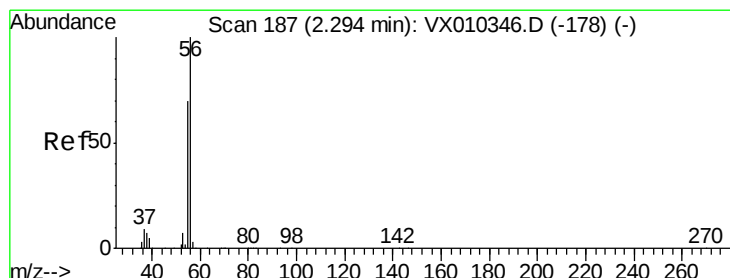
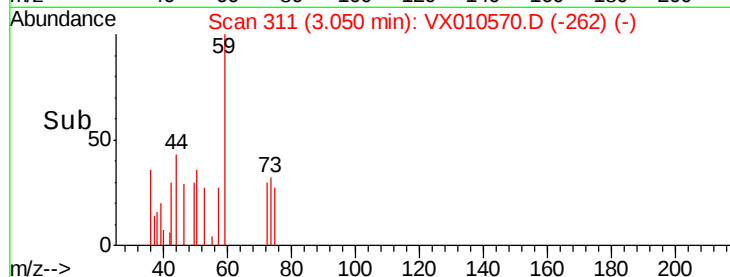
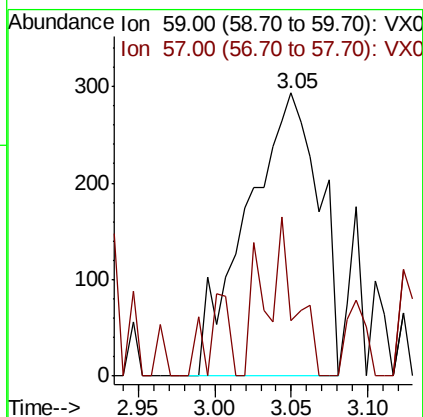
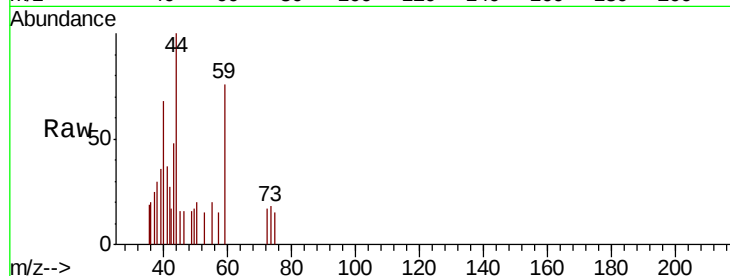


#11

Tert butyl alcohol
 Concen: 1.599 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX010570.D
 Acq: 29 Jun 2019 05:48

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-EW03-TRENCH

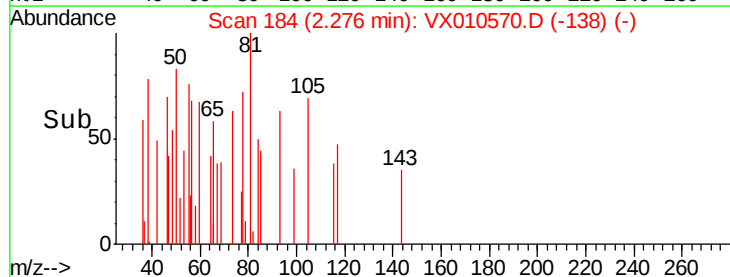
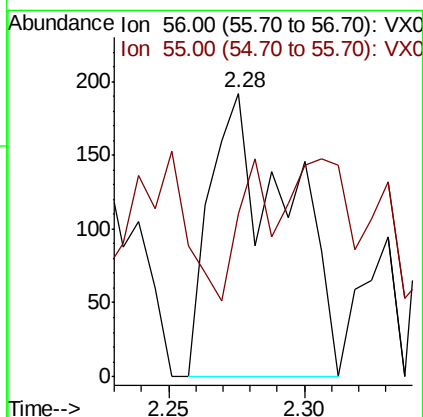
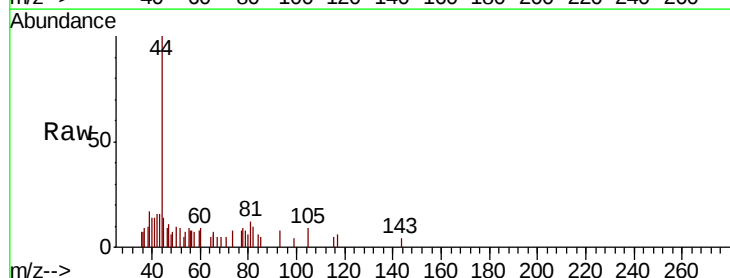
Tot Ion: 59 Resp: 955
 Ion Ratio Lower Upper
 59 100
 57 13.9 7.7 11.5#

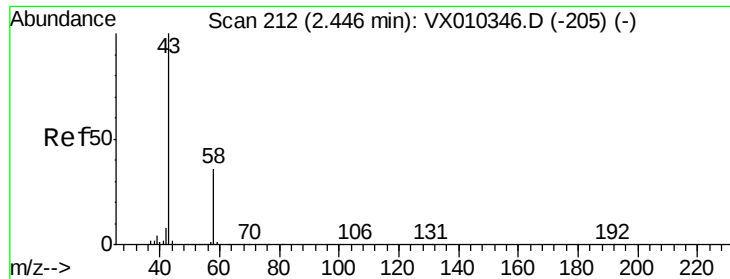


#13

Acrolein
 Concen: 0.957 ug/l
 RT: 2.28 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VX010570.D
 Acq: 29 Jun 2019 05:48

Tgt Ion: 56 Resp: 379
 Ion Ratio Lower Upper
 56 100
 55 23.0 56.9 85.3#





#16

Acetone

Concen: 10.066 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010570.D

Acq: 29 Jun 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

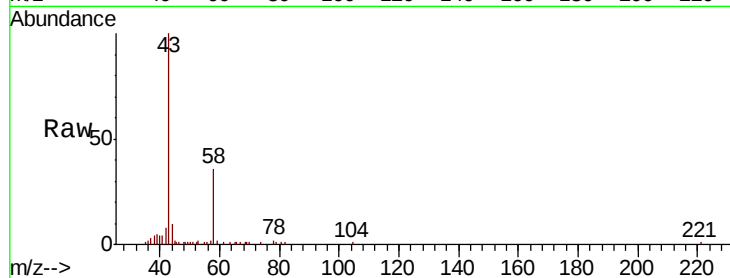
IDW-EW03-TRENCH

Tot Ion: 43 Resp: 11515

Ion Ratio Lower Upper

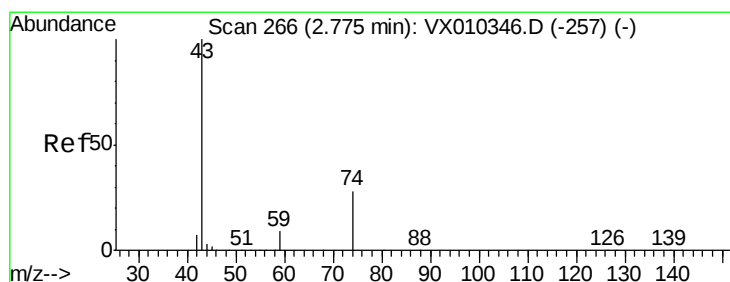
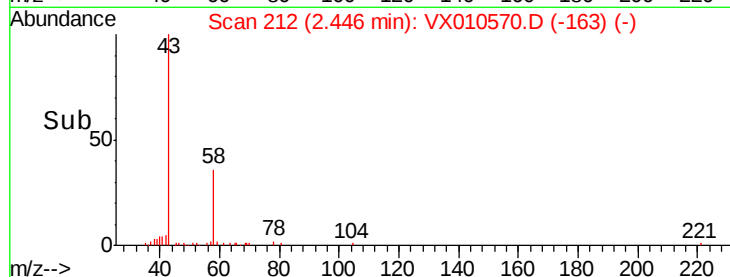
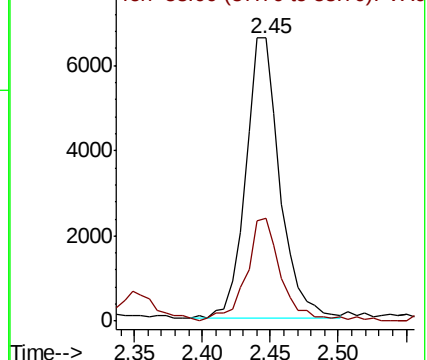
43 100

58 35.7 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.926 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010570.D

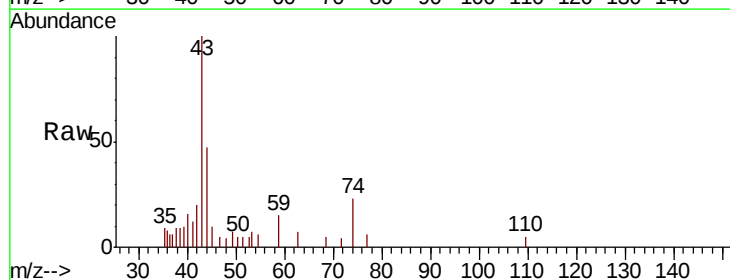
Acq: 29 Jun 2019 05:48

Tgt Ion: 43 Resp: 2112

Ion Ratio Lower Upper

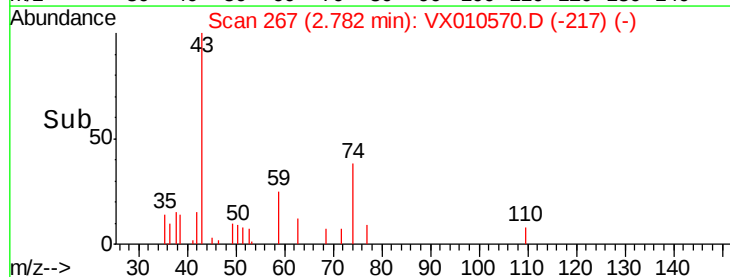
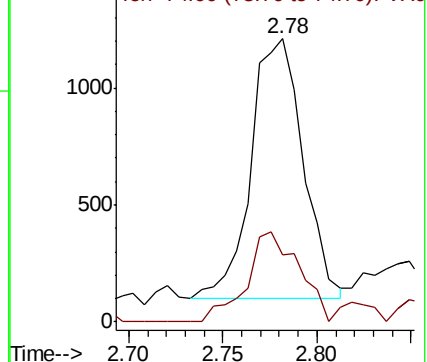
43 100

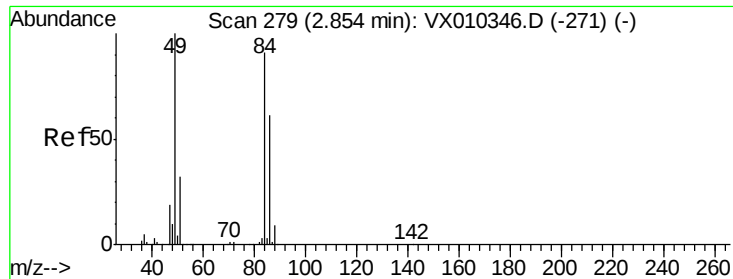
74 35.1 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

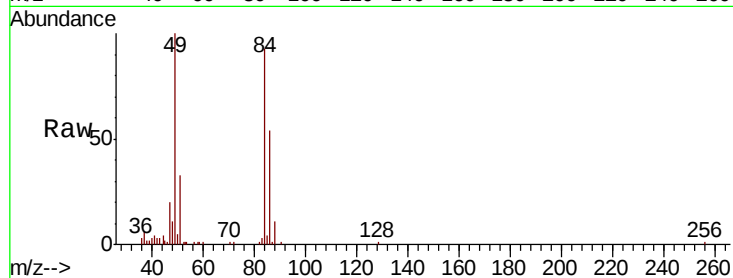




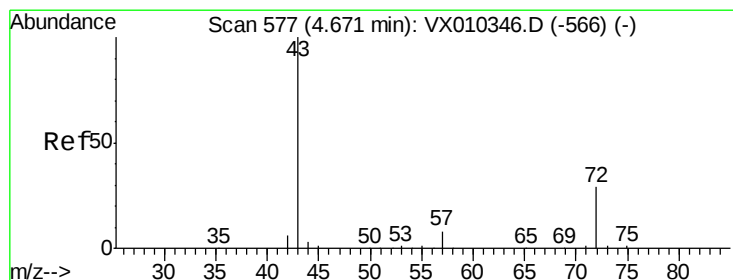
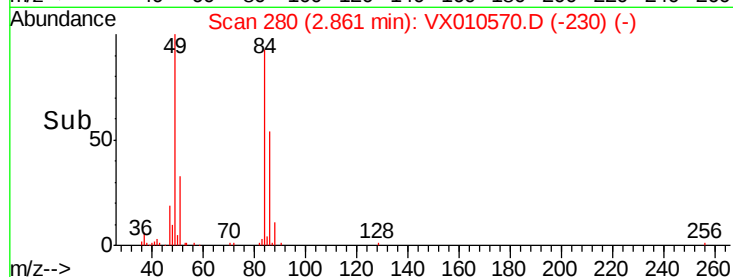
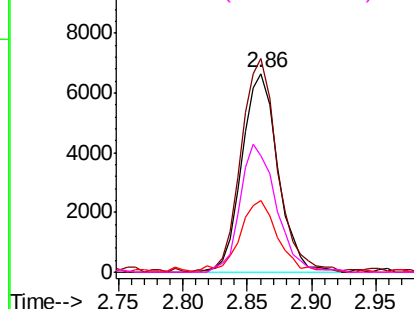
#20
Methvlene Chloride
Concen: 5.480 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010570.D
Acq: 29 Jun 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
IDW-EW03-TRENCH

Tot Ion: 84 Resp: 12900
Ion Ratio Lower Upper
84 100
49 107.3 87.5 131.3
51 35.0 27.7 41.5
86 58.3 53.4 80.0

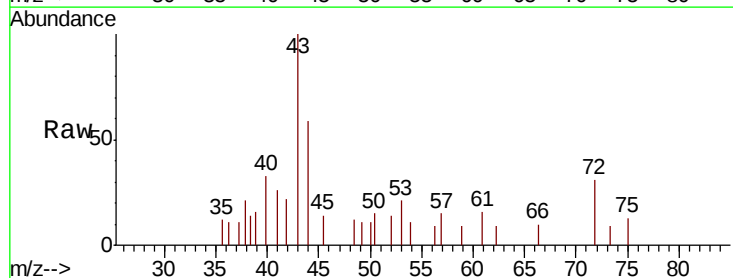


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

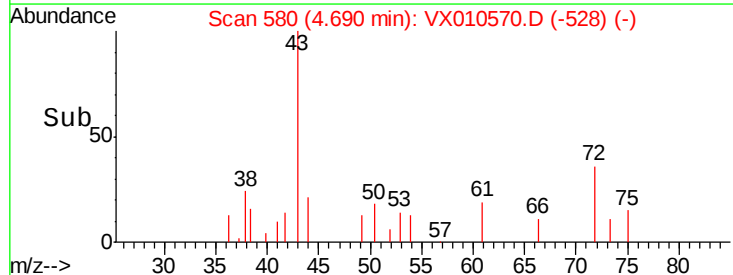
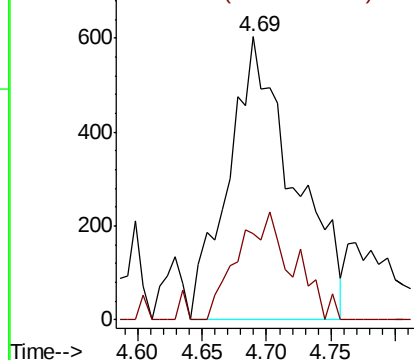


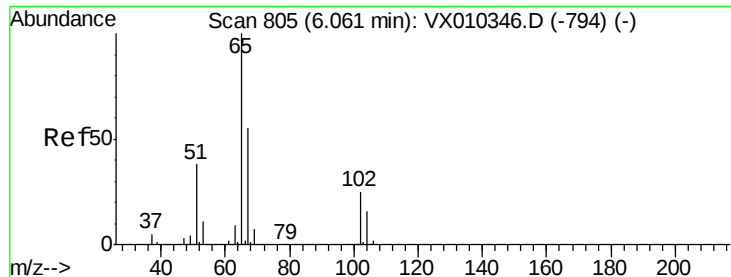
#25
2-Butanone
Concen: 1.271 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX010570.D
Acq: 29 Jun 2019 05:48

Tgt Ion: 43 Resp: 2132
Ion Ratio Lower Upper
43 100
72 30.7 23.3 34.9



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





#33

1,2-Dichloroethane-d4

Concen: 51.610 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010570.D

Acq: 29 Jun 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

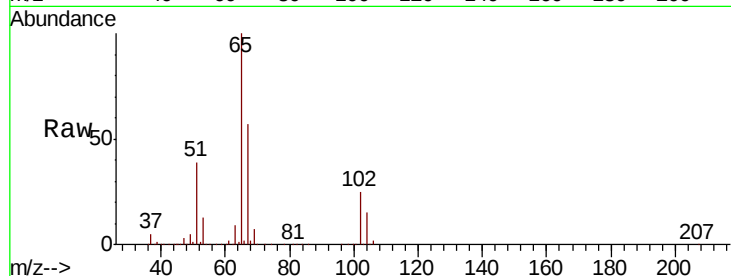
IDW-EW03-TRENCH

Tot Ion: 65 Resp: 117797

Ion Ratio Lower Upper

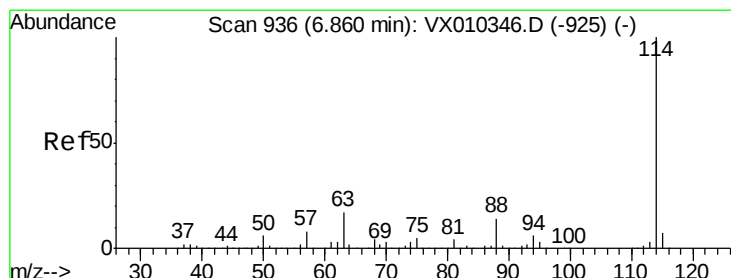
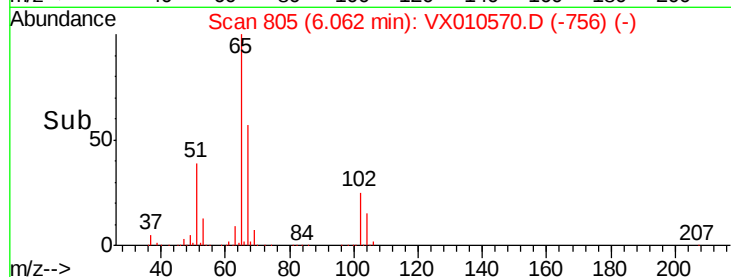
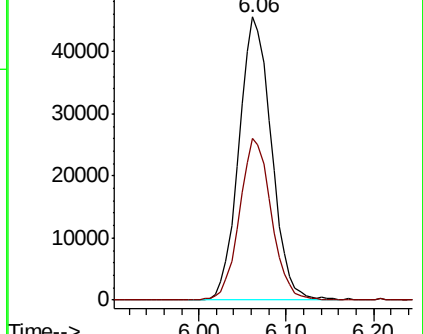
65 100

67 56.0 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010570.D

Acq: 29 Jun 2019 05:48

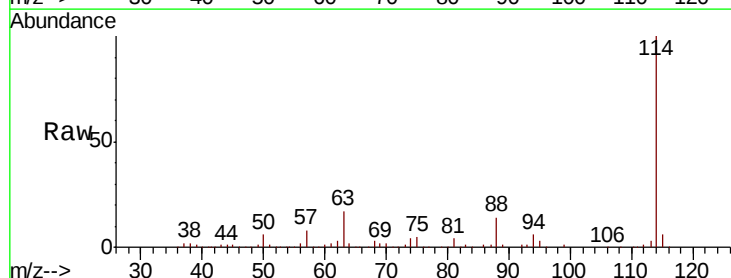
Tgt Ion: 114 Resp: 376482

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.8

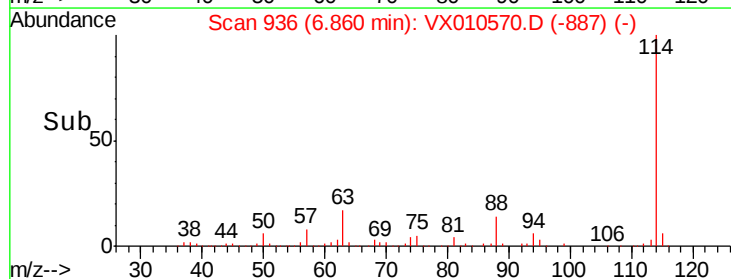
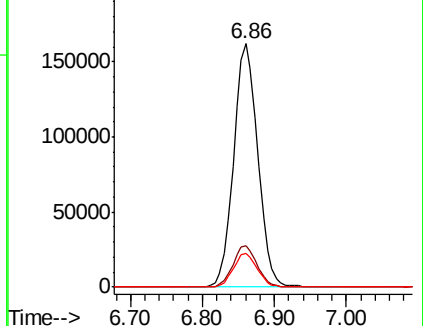
88 13.9 0.0 27.6

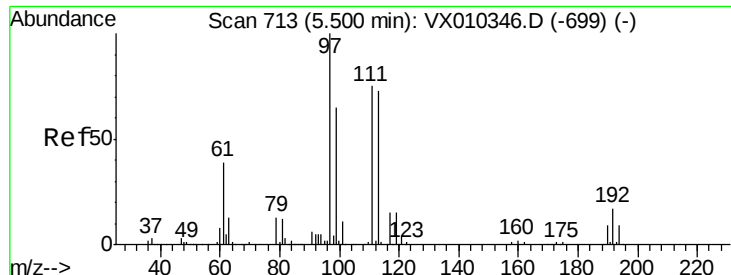


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.896 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010570.D

Acq: 29 Jun 2019 05:48

Instrument :

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ClientSampleId :

IDW-EW03-TRENCH

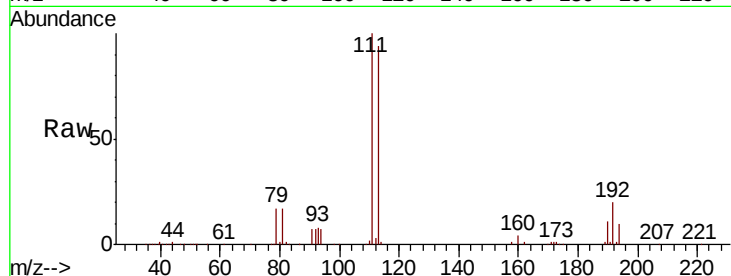
Tot Ion:113 Resp: 112630

Ion Ratio Lower Upper

113 100

111 103.8 81.2 121.8

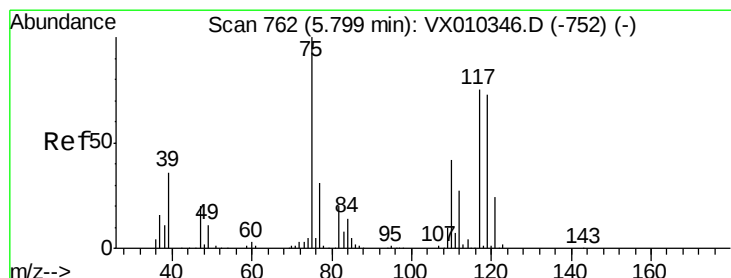
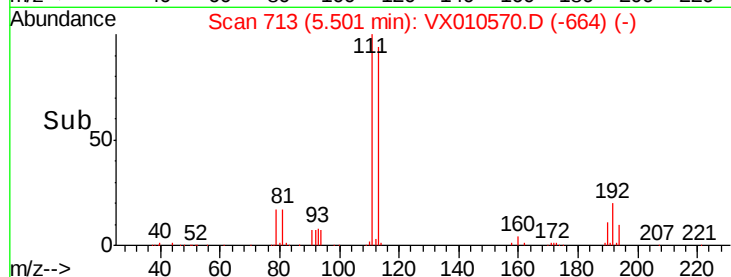
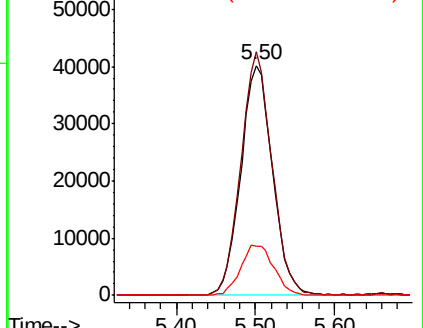
192 22.9 18.6 27.8



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: 5.212 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010570.D

Acq: 29 Jun 2019 05:48

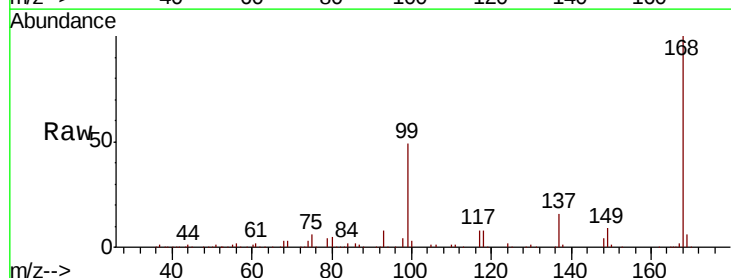
Tgt Ion: 75 Resp: 15592

Ion Ratio Lower Upper

75 100

110 0.0 20.8 62.2#

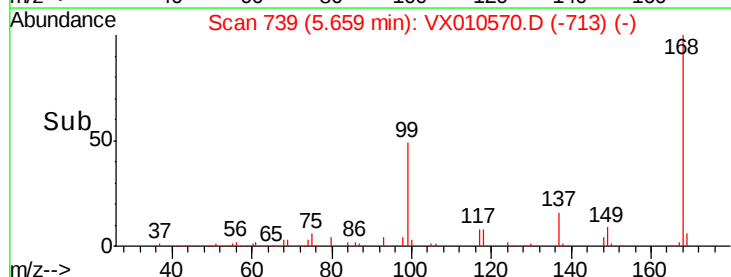
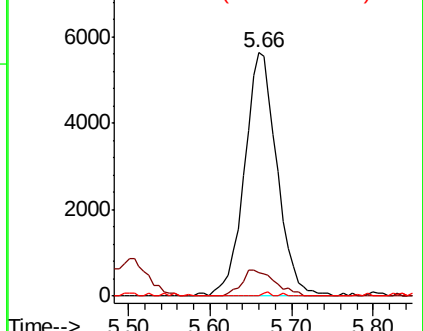
77 0.4 25.4 38.0#

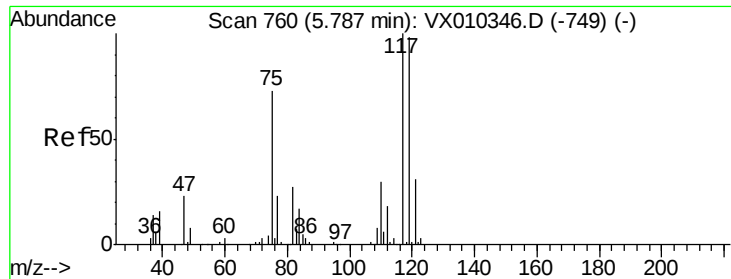


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.766 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010570.D

Acq: 29 Jun 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

IDW-EW03-TRENCH

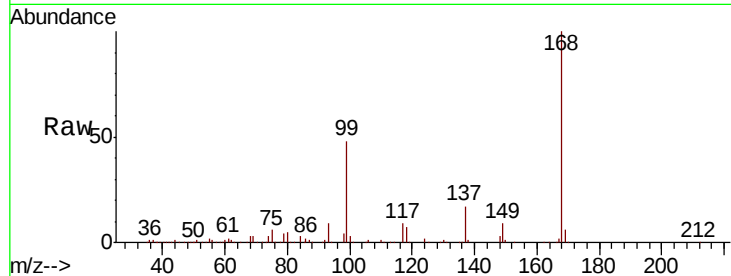
Tot Ion:117 Resp: 21920

Ion Ratio Lower Upper

117 100

119 3.6 78.2 117.4#

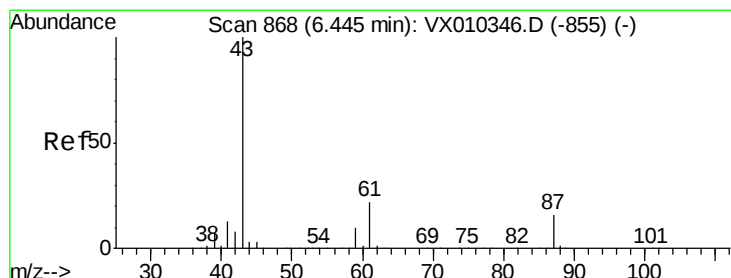
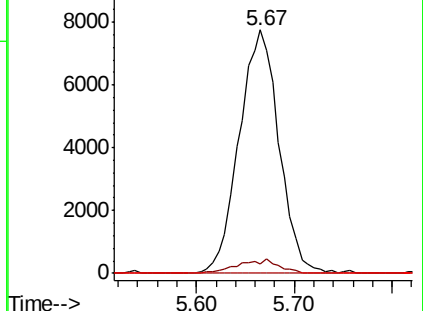
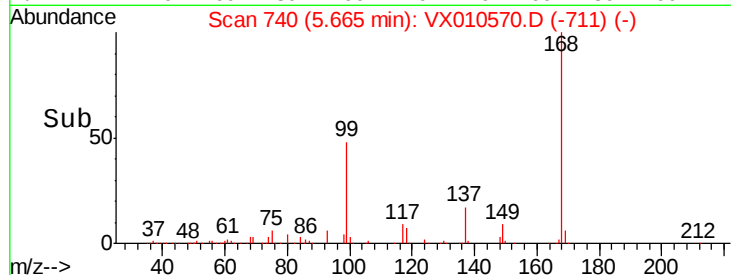
121 0.0 24.7 37.1#



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



#43

Isopropyl Acetate

Concen: 2.051 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010570.D

Acq: 29 Jun 2019 05:48

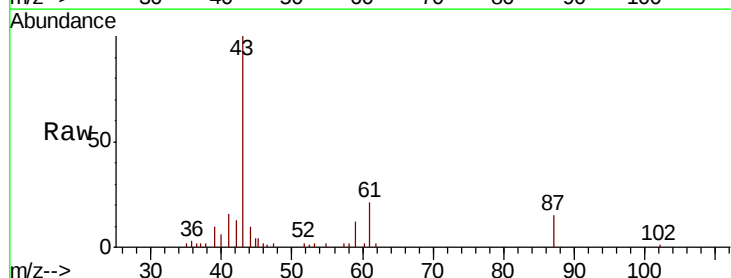
Tgt Ion: 43 Resp: 10446

Ion Ratio Lower Upper

43 100

61 23.8 17.8 26.6

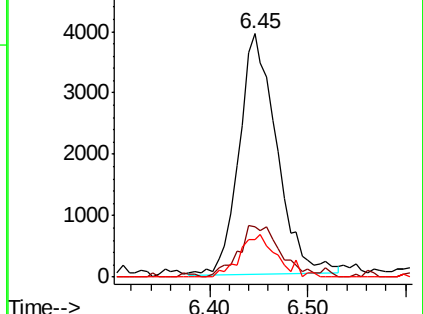
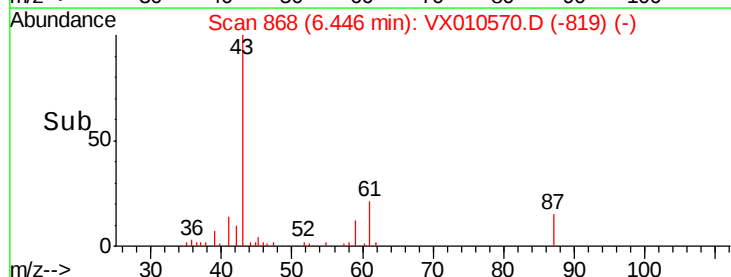
87 17.5 13.0 19.4

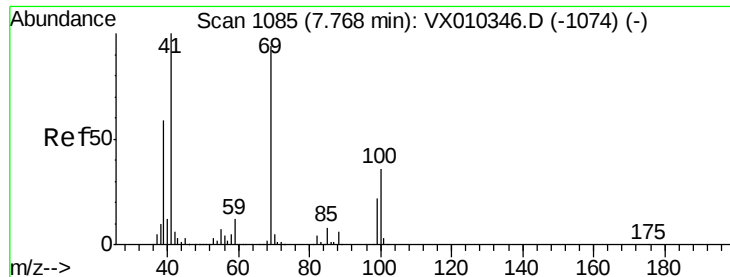


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

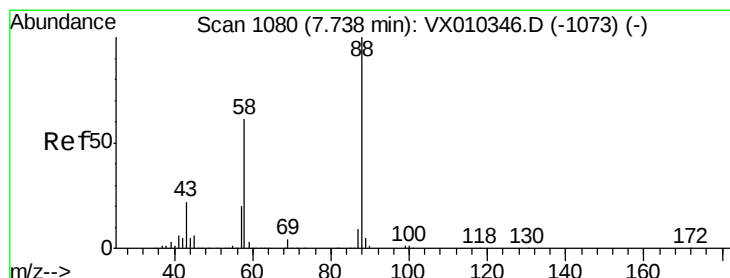
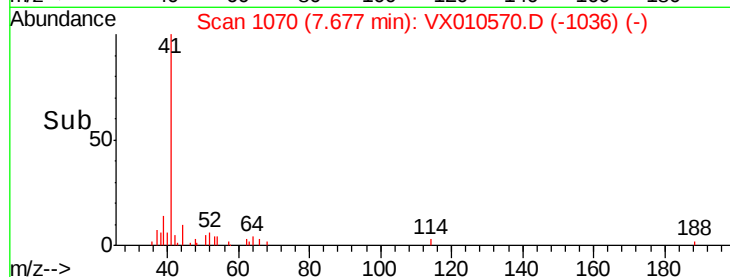
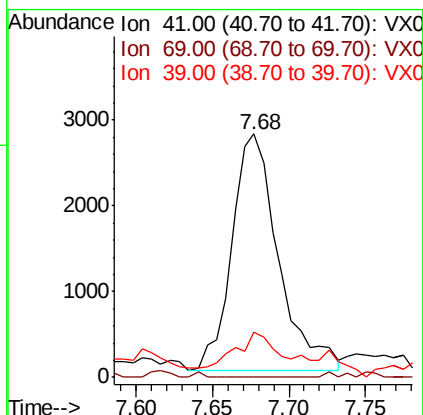
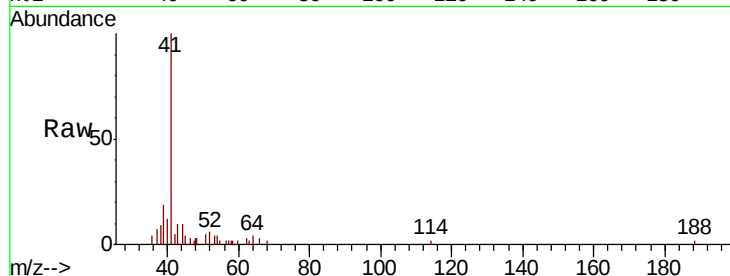




#48
Methvl methacrylate
Concen: 2.464 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX010570.D
Acq: 29 Jun 2019 05:48

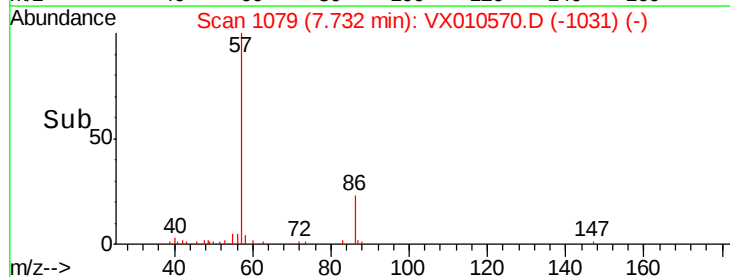
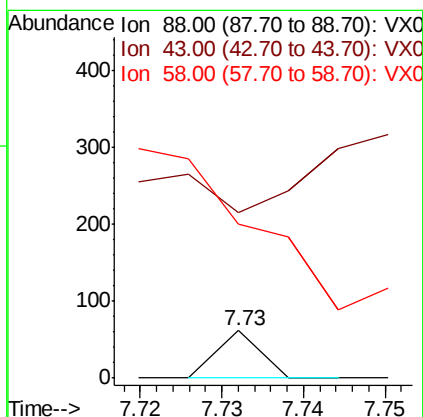
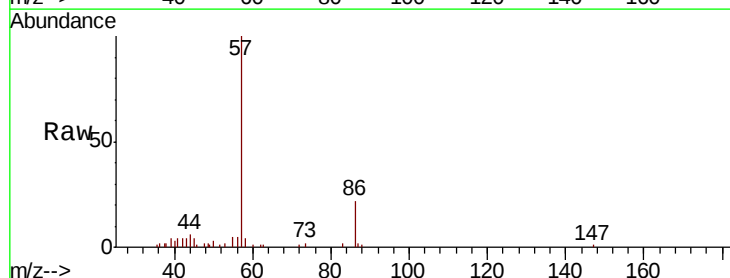
Instrument :
MSVOA_X
ClientSampleId :
IDW-EW03-TRENCH

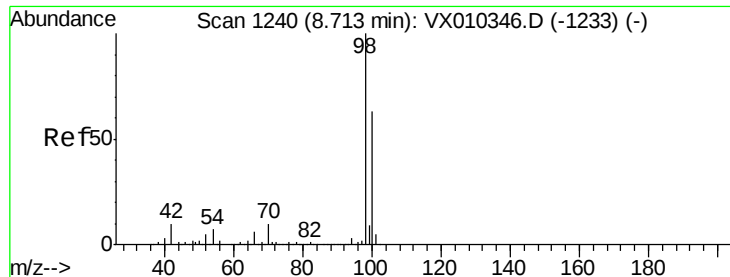
Tot Ion: 41 Resp: 5832
Ion Ratio Lower Upper
41 100
69 0.0 76.1 114.1#
39 0.0 47.6 71.4#



#49
1,4-Dioxane
Concen: 0.323 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX010570.D
Acq: 29 Jun 2019 05:48

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#





#50

Toluene-d8

Concen: 51.067 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010570.D

Acq: 29 Jun 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

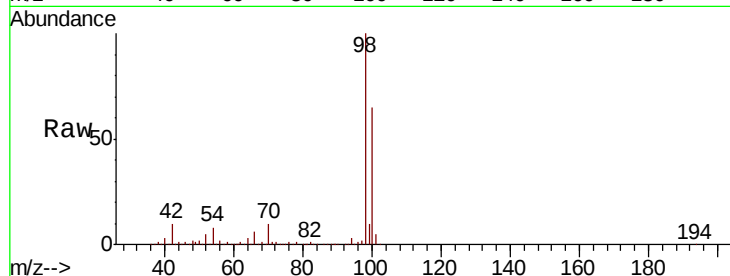
IDW-EW03-TRENCH

Tot Ion: 98 Resp: 450029

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

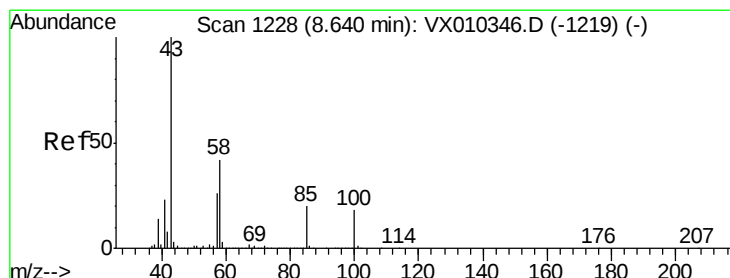
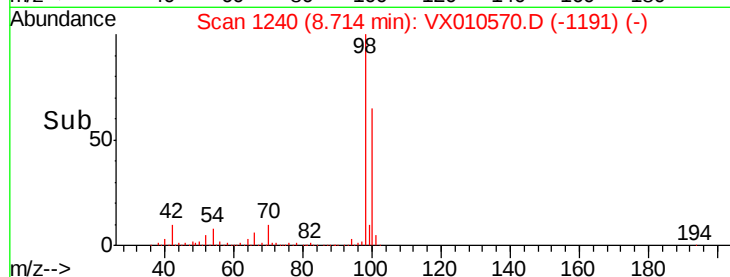
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 23.265 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.02 min

Lab File: VX010570.D

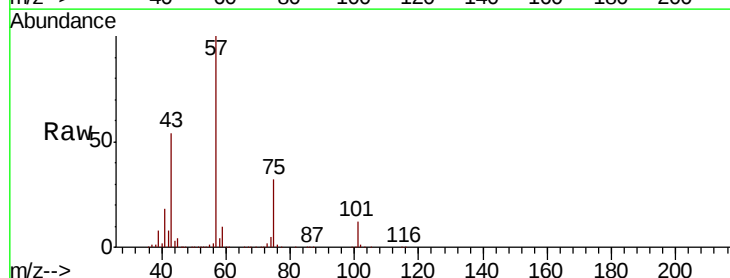
Acq: 29 Jun 2019 05:48

Tgt Ion: 43 Resp: 75769

Ion Ratio Lower Upper

43 100

58 8.4 33.5 50.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

50000

40000

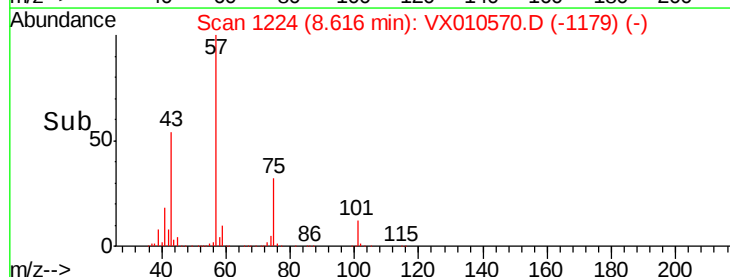
30000

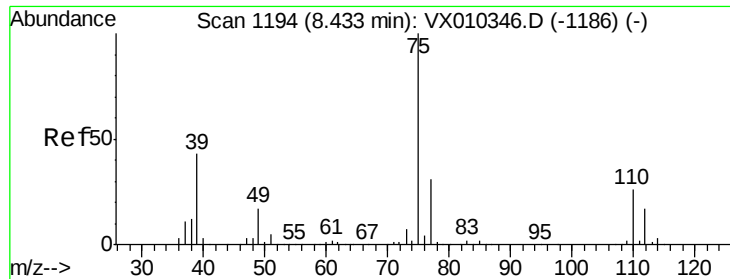
20000

10000

0

Time-->



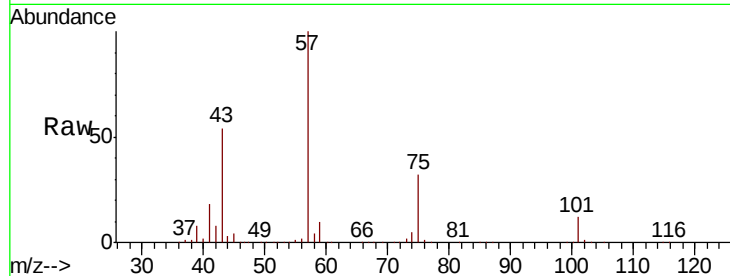


#54

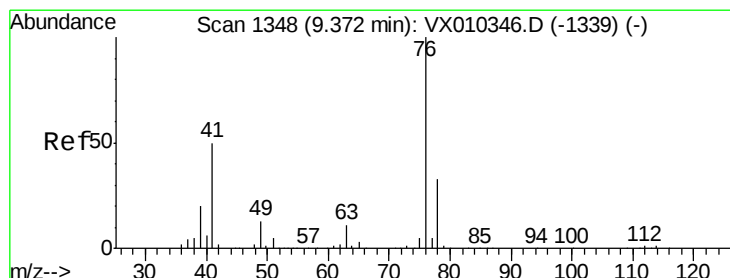
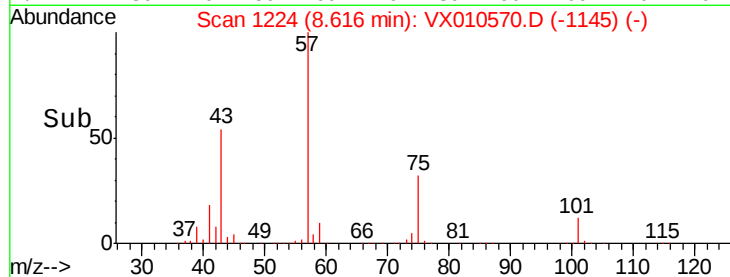
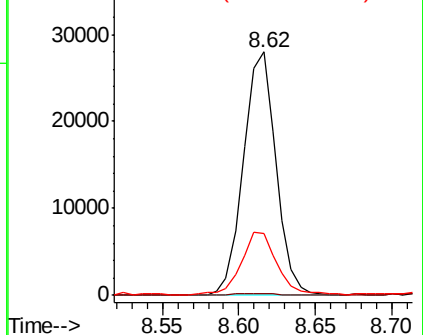
cis-1,3-Dichloropropene
 Concen: 10.997 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX010570.D
 Acq: 29 Jun 2019 05:48

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-EW03-TRENCH

Tot Ion: 75 Resp: 41464
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 25.3 34.5 51.7#



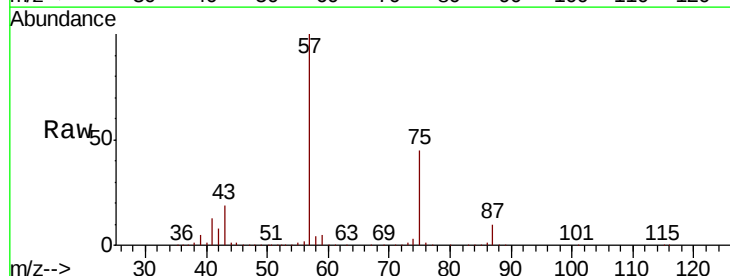
Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0



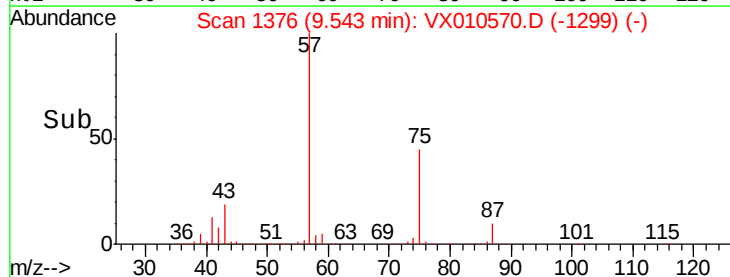
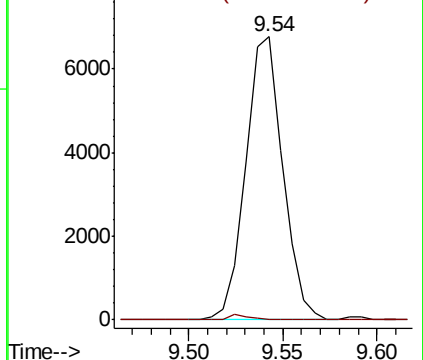
#57

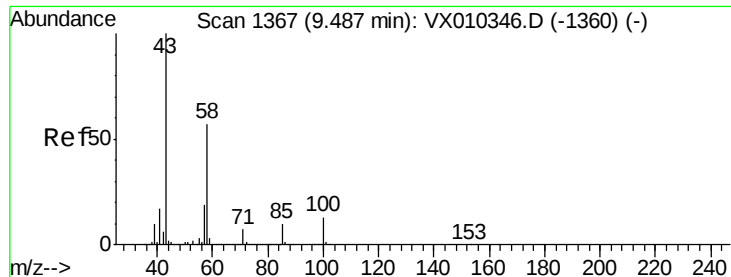
1,3-Dichloropropane
 Concen: 2.344 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.17 min
 Lab File: VX010570.D
 Acq: 29 Jun 2019 05:48

Tgt Ion: 76 Resp: 9210
 Ion Ratio Lower Upper
 76 100
 78 1.1 26.1 39.1#



Abundance Ion 75.90 (75.60 to 76.60): VX0
 Ion 77.90 (77.60 to 78.60): VX0

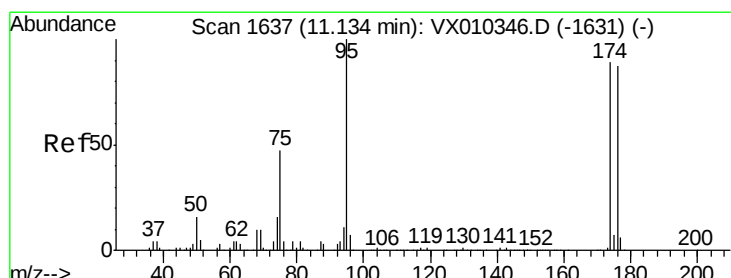
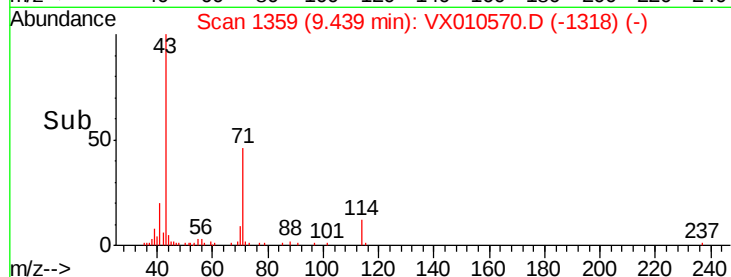
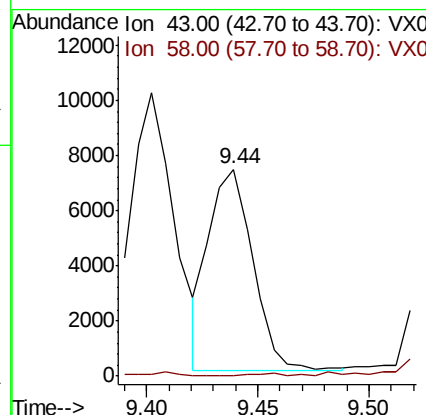
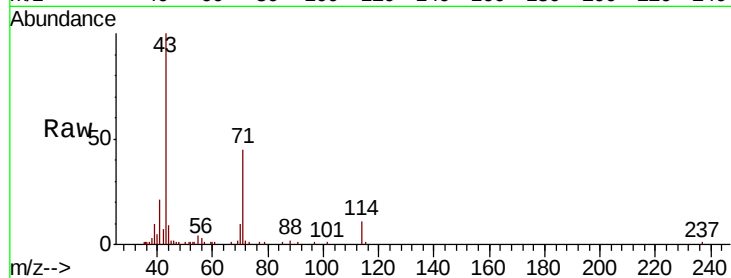




#59
2-Hexanone
Concen: 3.921 ug/l
RT: 9.44 min Scan# 1359
Delta R.T. -0.05 min
Lab File: VX010570.D
Acq: 29 Jun 2019 05:48

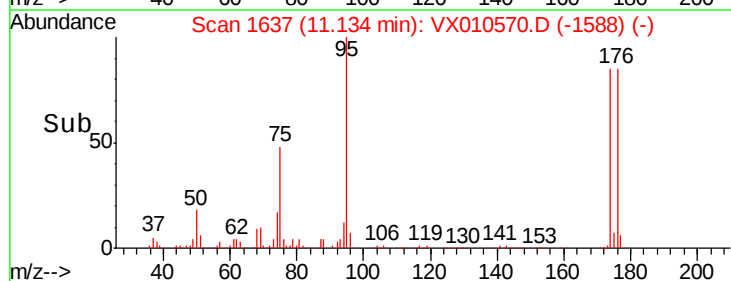
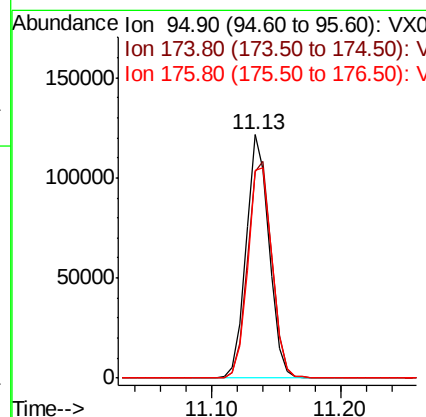
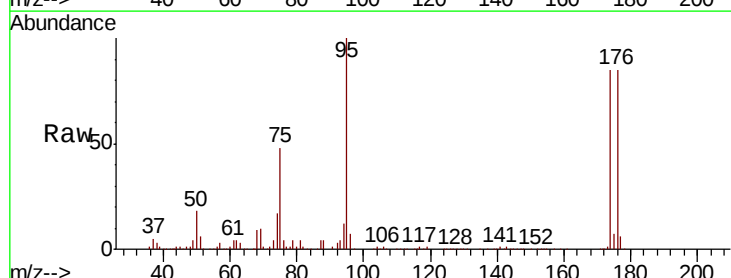
Instrument :
MSVOA_X
ClientSampleId :
IDW-EW03-TRENCH

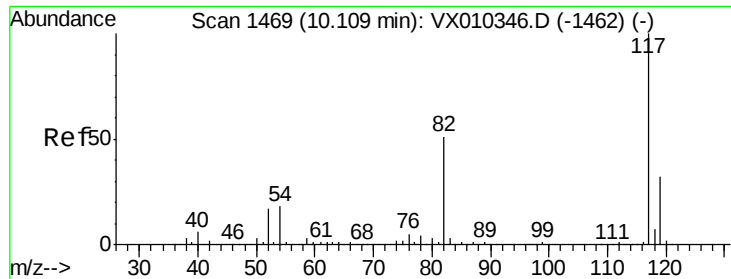
Tot Ion: 43 Resp: 10049
Ion Ratio Lower Upper
43 100
58 0.0 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 46.709 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010570.D
Acq: 29 Jun 2019 05:48

Tgt Ion: 95 Resp: 148609
Ion Ratio Lower Upper
95 100
174 93.5 0.0 187.6
176 91.4 0.0 184.0

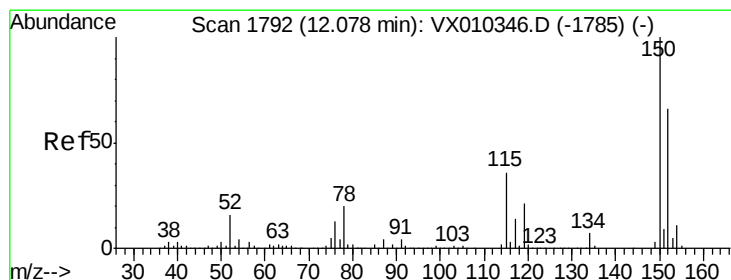
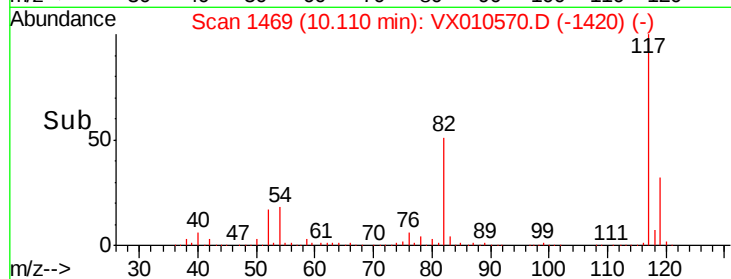
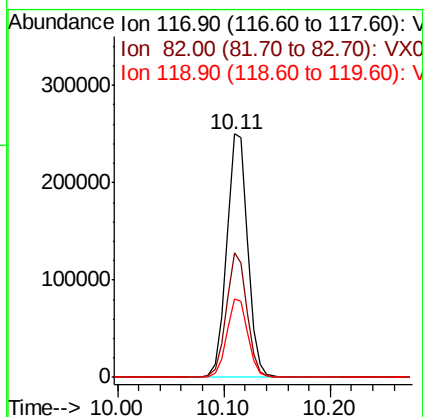
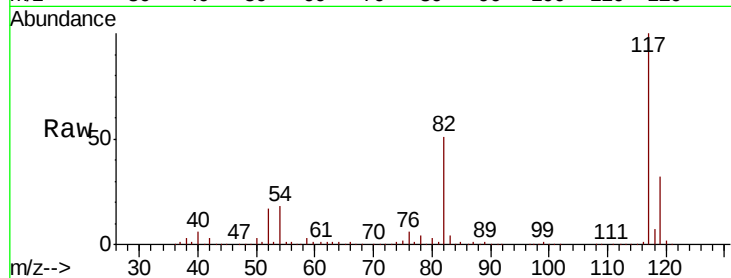




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010570.D
Acq: 29 Jun 2019 05:48

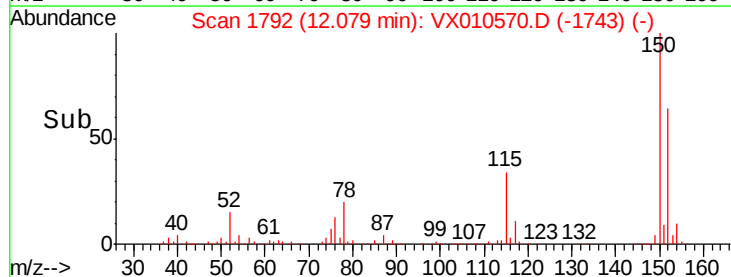
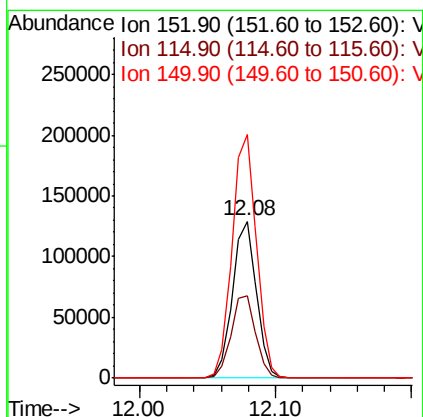
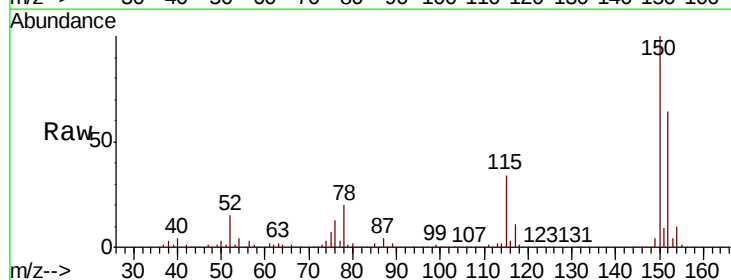
Instrument :
MSVOA_X
ClientSampleId :
IDW-EW03-TRENCH

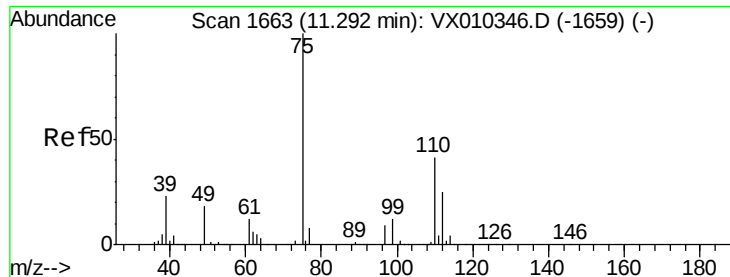
Tot Ion:117 Resp: 345728
Ion Ratio Lower Upper
117 100
82 51.3 41.2 61.8
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010570.D
Acq: 29 Jun 2019 05:48

Tgt Ion:152 Resp: 157699
Ion Ratio Lower Upper
152 100
115 54.0 38.6 115.7
150 158.0 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 24.936 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010570.D

Acq: 29 Jun 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

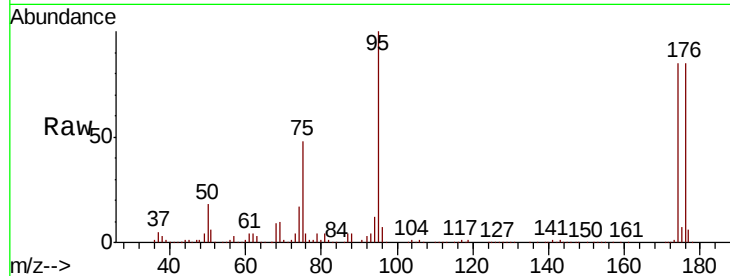
IDW-EW03-TRENCH

Tot Ion: 75 Resp: 71657

Ion Ratio Lower Upper

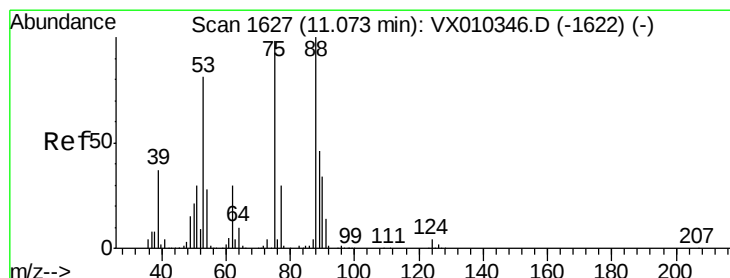
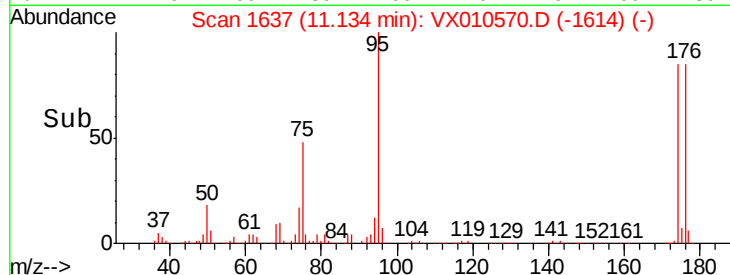
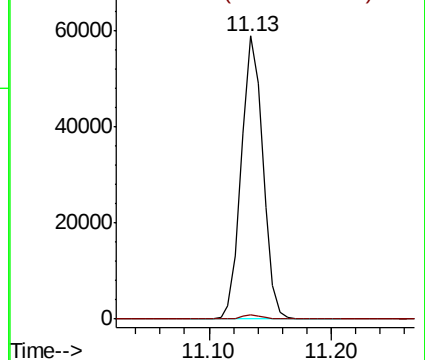
75 100

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: 58.172 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010570.D

Acq: 29 Jun 2019 05:48

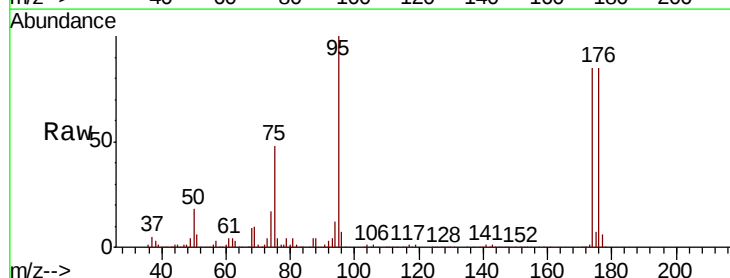
Tgt Ion: 75 Resp: 71657

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.0 37.8 56.6#



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

