

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070119\
 Data File : VX010595.D
 Acq On : 01 Jul 2019 16:54
 Operator : JC/SP
 Sample : K3557-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-EW03-TRENCH

Quant Time: Jul 02 04:53:42 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	242223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375811	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	352468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161286	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	117774	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
35) Dibromofluoromethane	5.50	113	113494	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
50) Toluene-d8	8.71	98	453328	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	11.13	95	151563	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

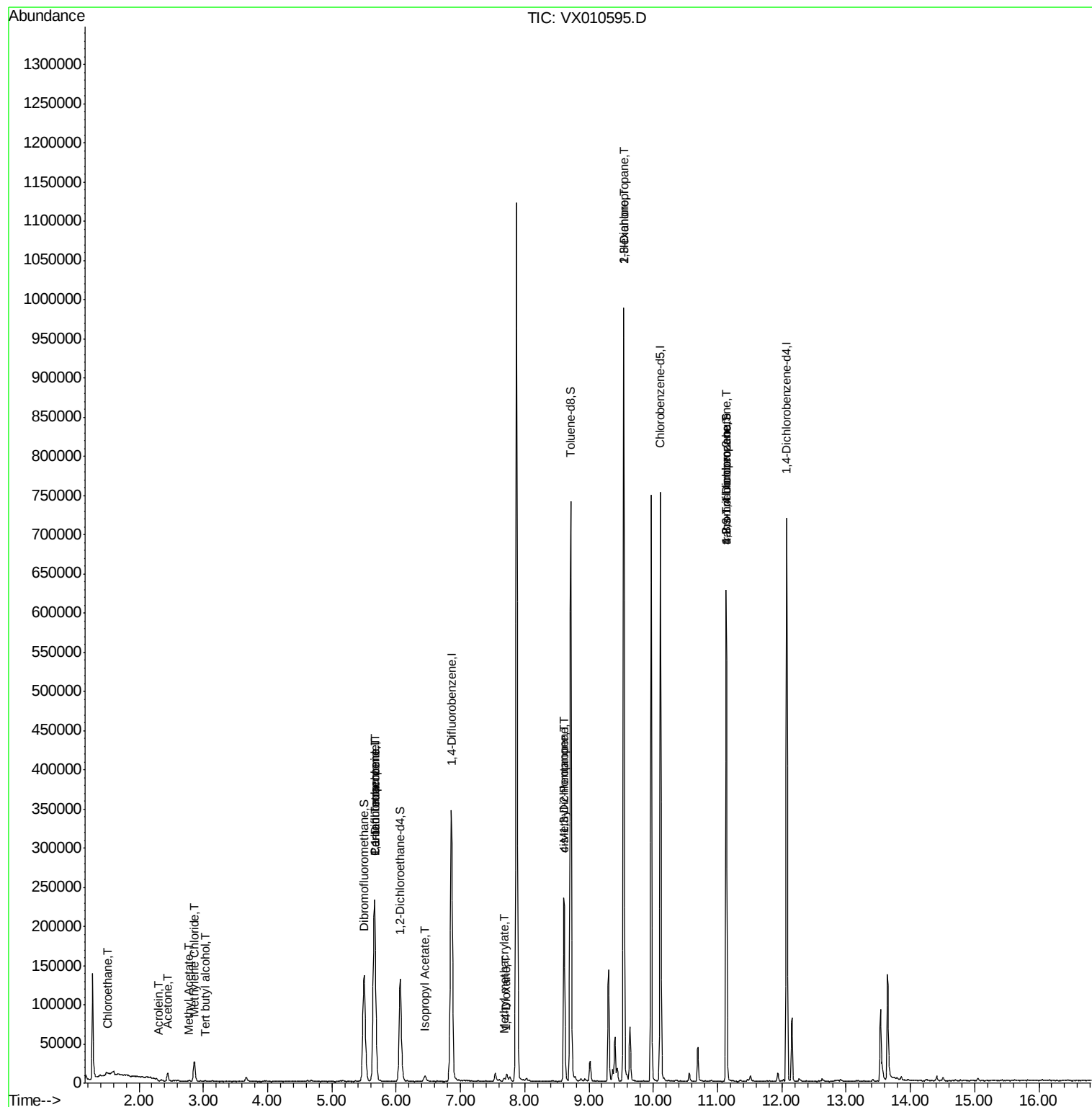
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.52	64	864	0.682	ug/l #	49
11) Tert butyl alcohol	3.04	59	984	1.656	ug/l	98
13) Acrolein	2.30	56	305	0.774	ug/l #	33
16) Acetone	2.45	43	11801	10.368	ug/l	94
18) Methyl Acetate	2.78	43	1416	0.624	ug/l	91
20) Methylene Chloride	2.86	84	13533	5.778	ug/l	97
36) 1,1-Dichloropropene	5.67	75	15718	5.263	ug/l #	48
38) Carbon Tetrachloride	5.67	117	22163	6.853	ug/l #	14
43) Isopropyl Acetate	6.45	43	9619	1.892	ug/l	96
48) Methyl methacrylate	7.67	41	5486	2.322	ug/l #	10
49) 1,4-Dioxane	7.71	88	19	0.279	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	74220	22.830	ug/l #	47
54) cis-1,3-Dichloropropene	8.62	75	40489	10.757	ug/l #	60
57) 1,3-Dichloropropane	9.54	76	8924	2.275	ug/l #	44
59) 2-Hexanone	9.54	43	110501	43.188	ug/l #	49
76) 1,2,3-Trichloropropane	11.13	75	73712	25.080	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73712	58.509	ug/l #	16

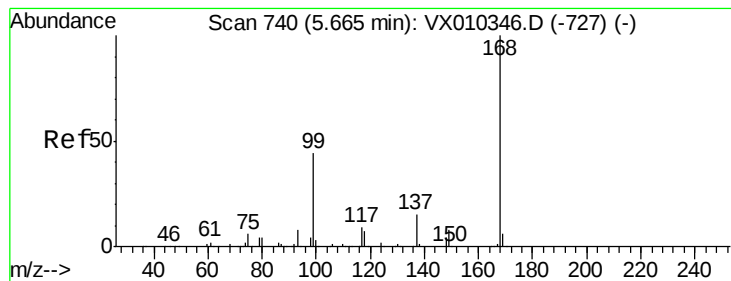
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070119\
Data File : VX010595.D
Acq On : 01 Jul 2019 16:54
Operator : JC/SP
Sample : K3557-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-EW03-TRENCH

Quant Time: Jul 02 04:53:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
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: VX010595.D

Acq: 01 Jul 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

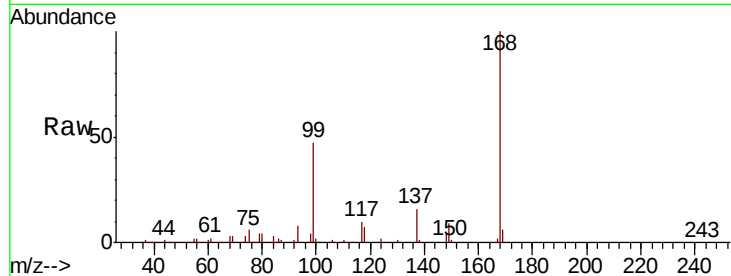
IDW-EW03-TRENCH

Tot Ion:168 Resp: 242223

Ion Ratio Lower Upper

168 100

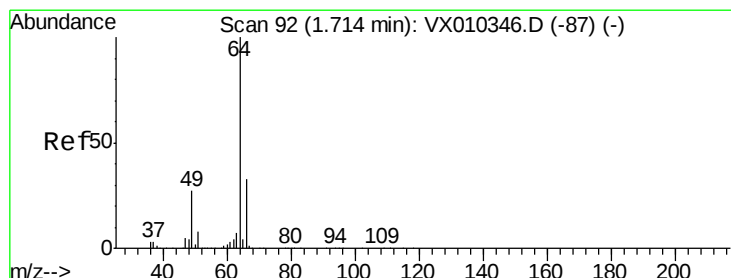
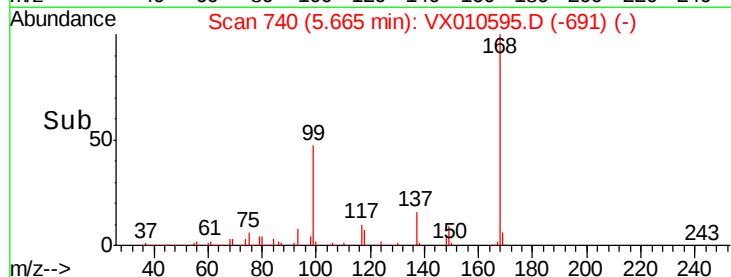
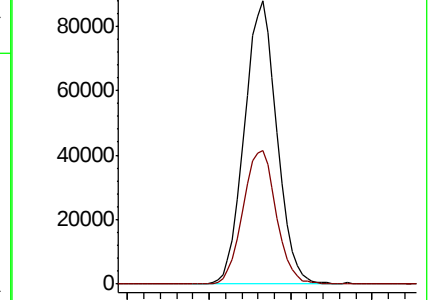
99 47.3 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67



#6

Chloroethane

Concen: 0.682 ug/l

RT: 1.52 min Scan# 60

Delta R.T. -0.19 min

Lab File: VX010595.D

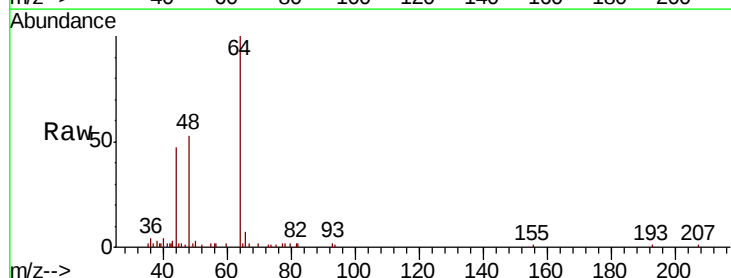
Acq: 01 Jul 2019 16:54

Tgt Ion: 64 Resp: 864

Ion Ratio Lower Upper

64 100

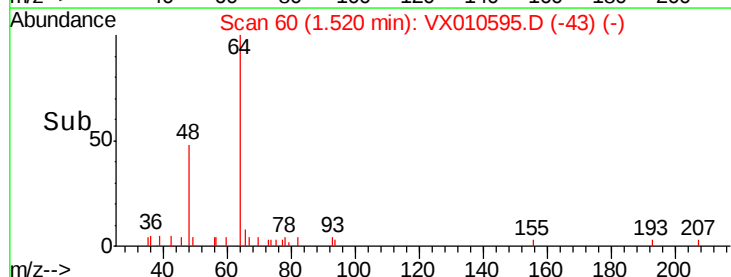
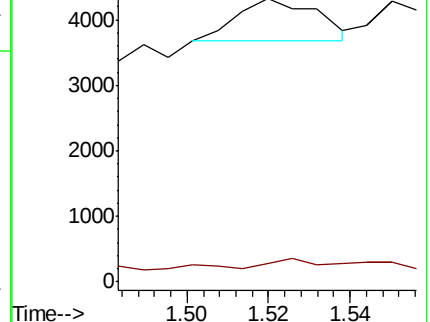
66 4.5 26.6 40.0#

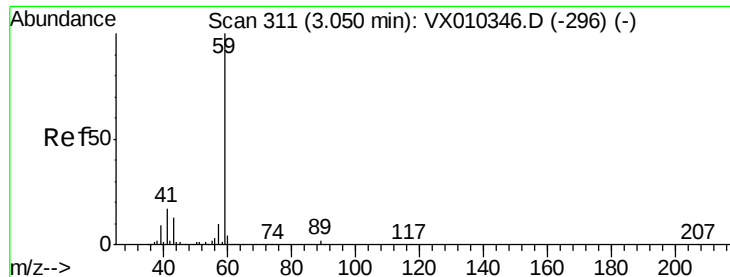


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.52



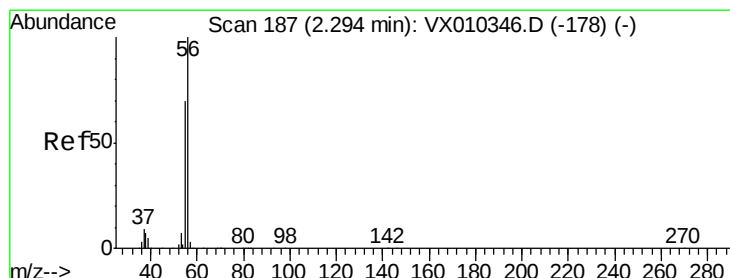
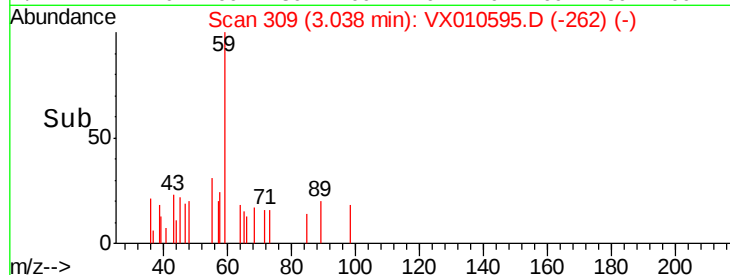
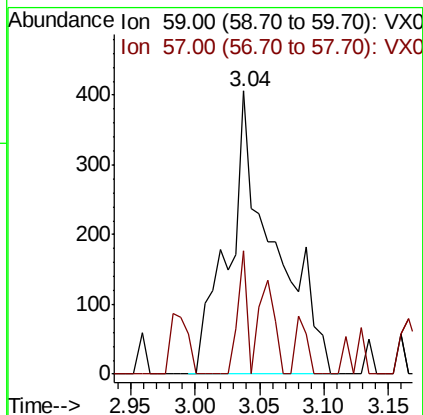
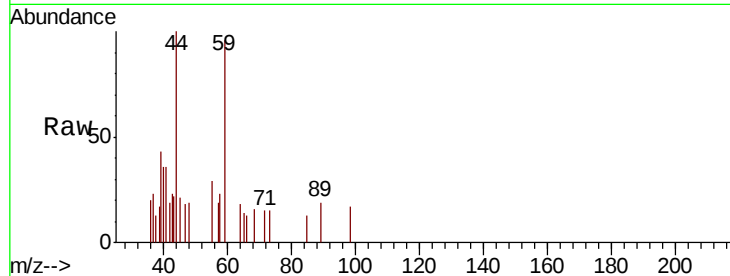


#11

Tert butvl alcohol
 Concen: 1.656 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX010595.D
 Acq: 01 Jul 2019 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-EW03-TRENCH

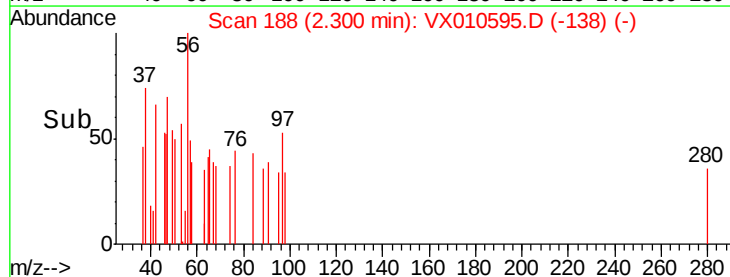
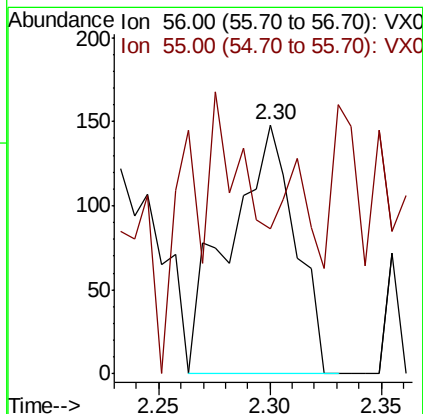
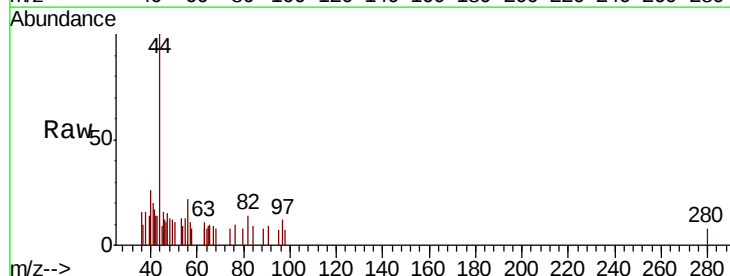
Tot Ion: 59 Resp: 984
 Ion Ratio Lower Upper
 59 100
 57 9.0 7.7 11.5

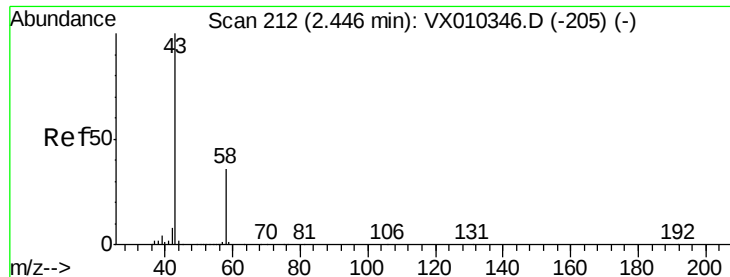


#13

Acrolein
 Concen: 0.774 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX010595.D
 Acq: 01 Jul 2019 16:54

Tgt Ion: 56 Resp: 305
 Ion Ratio Lower Upper
 56 100
 55 15.7 56.9 85.3#





#16

Acetone

Concen: 10.368 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010595.D

Acq: 01 Jul 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

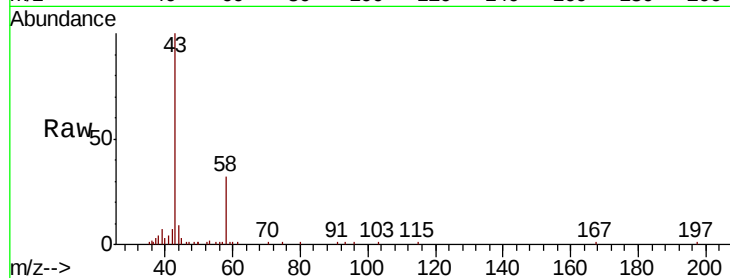
IDW-EW03-TRENCH

Tot Ion: 43 Resp: 11801

Ion Ratio Lower Upper

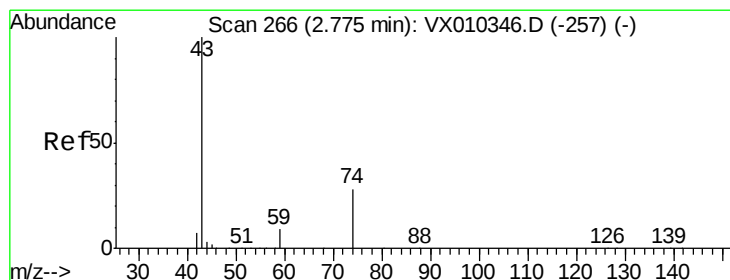
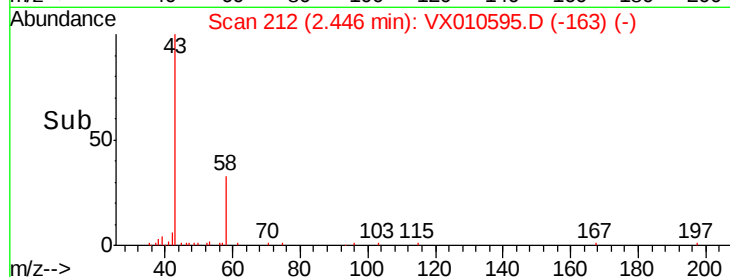
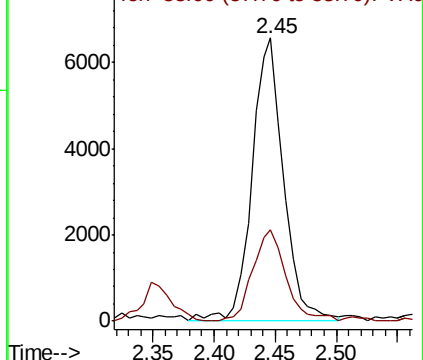
43 100

58 32.4 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: 0.624 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010595.D

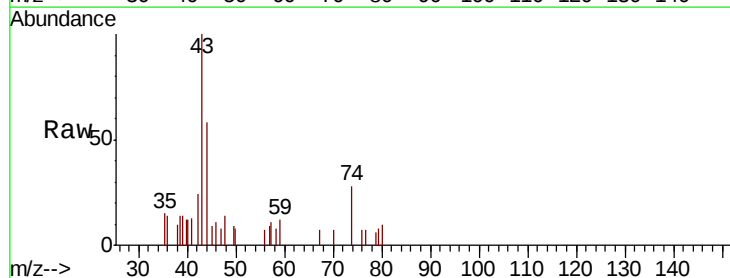
Acq: 01 Jul 2019 16:54

Tgt Ion: 43 Resp: 1416

Ion Ratio Lower Upper

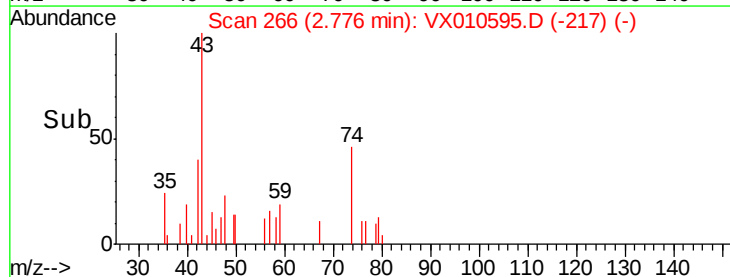
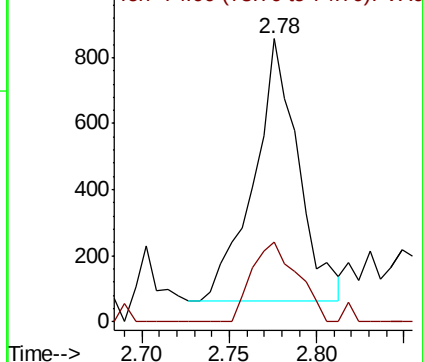
43 100

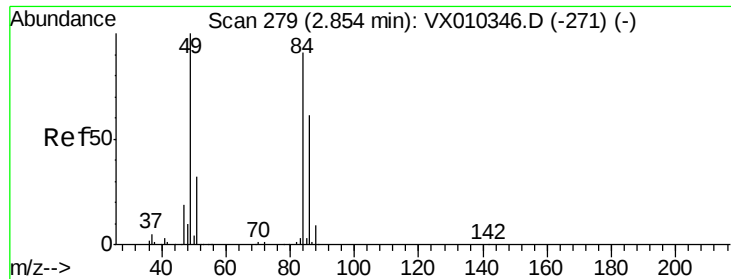
74 31.2 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 5.778 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX010595.D

Acq: 01 Jul 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

IDW-EW03-TRENCH

Tot Ion: 84 Resp: 13533

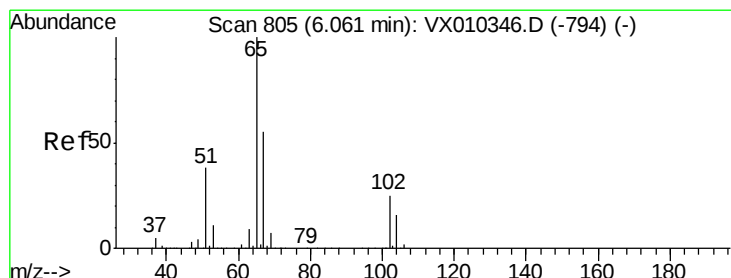
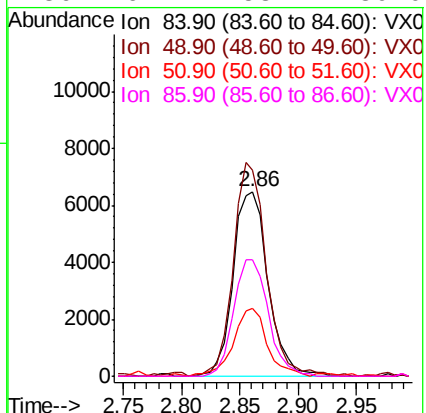
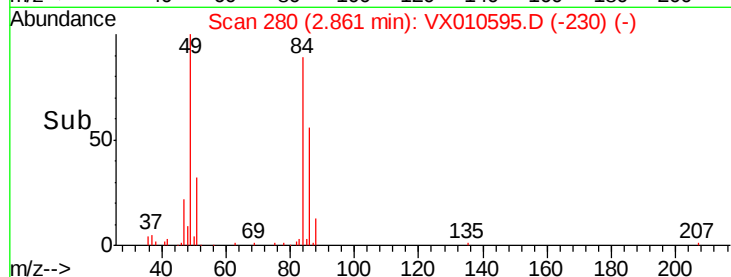
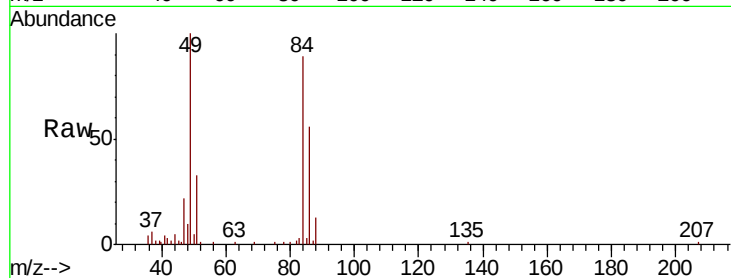
Ion Ratio Lower Upper

84 100

49 111.7 87.5 131.3

51 36.7 27.7 41.5

86 62.7 53.4 80.0



#33

1,2-Dichloroethane-d4

Concen: 51.858 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010595.D

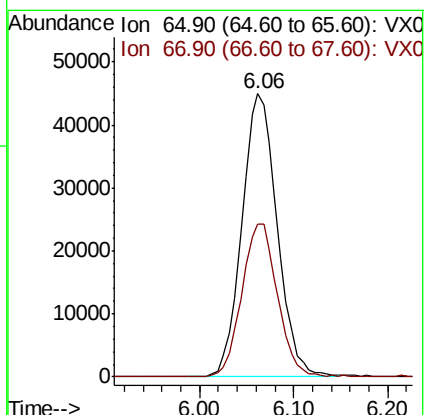
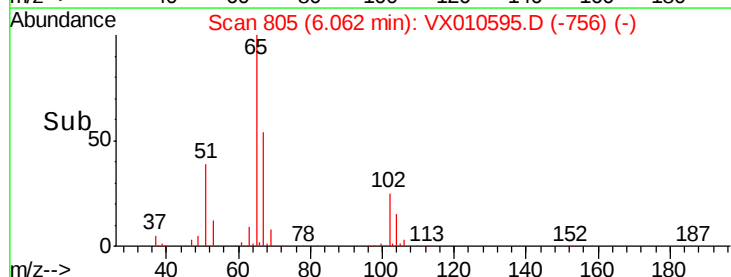
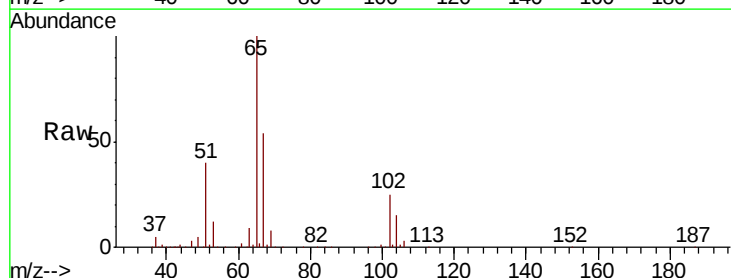
Acq: 01 Jul 2019 16:54

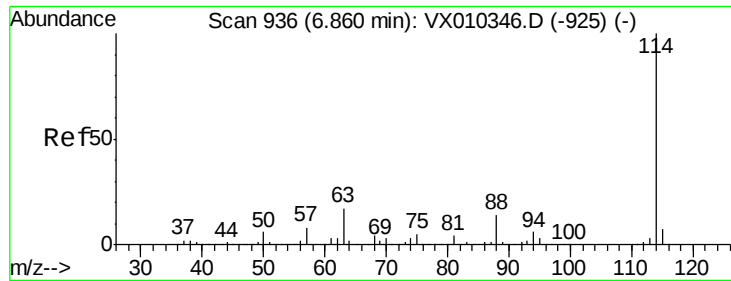
Tgt Ion: 65 Resp: 117774

Ion Ratio Lower Upper

65 100

67 54.7 0.0 110.2

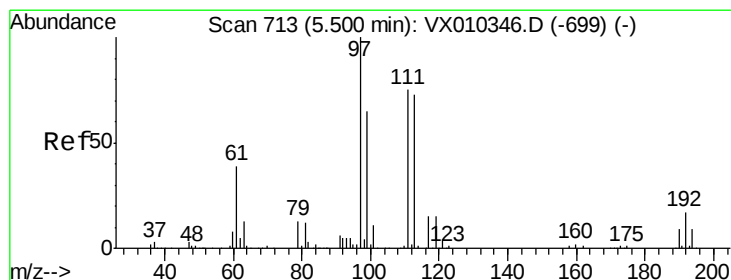
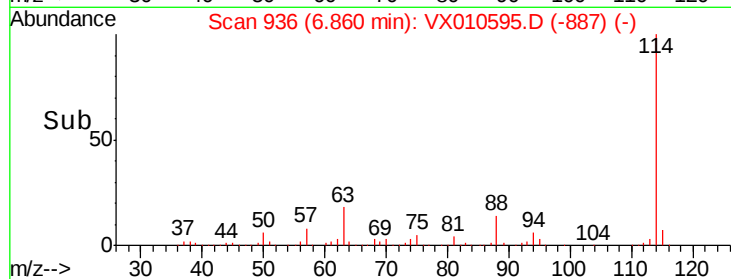
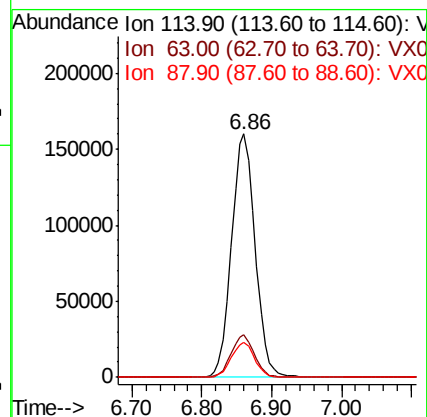
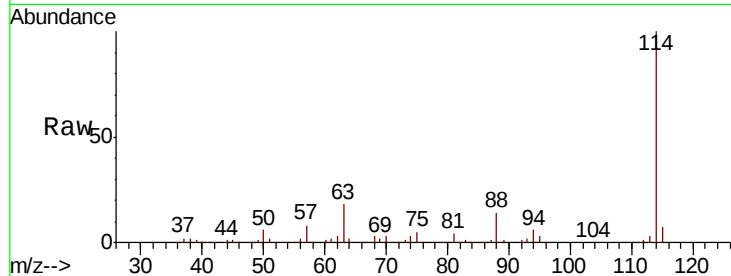




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010595.D
 Acq: 01 Jul 2019 16:54

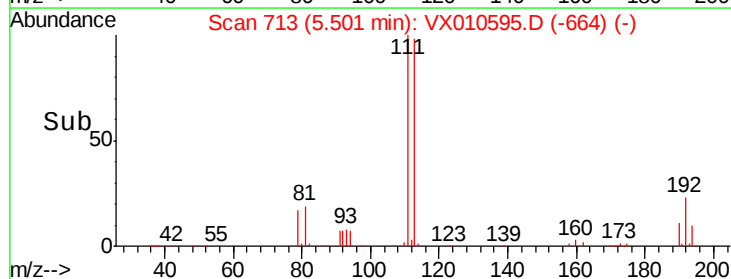
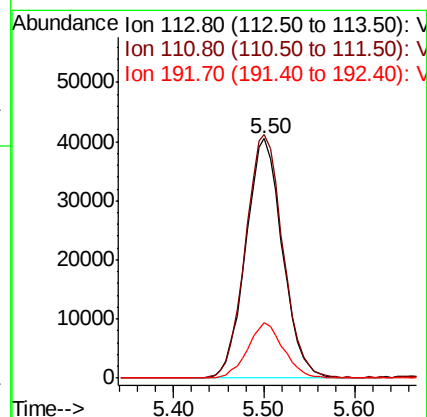
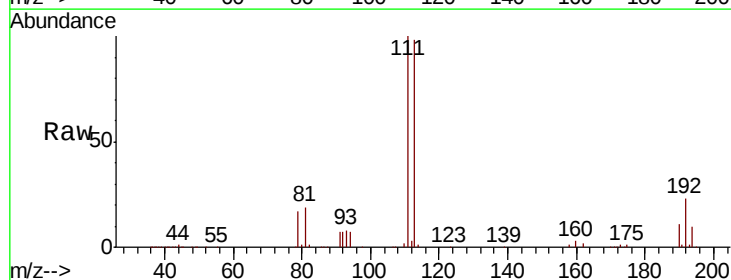
Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-EW03-TRENCH

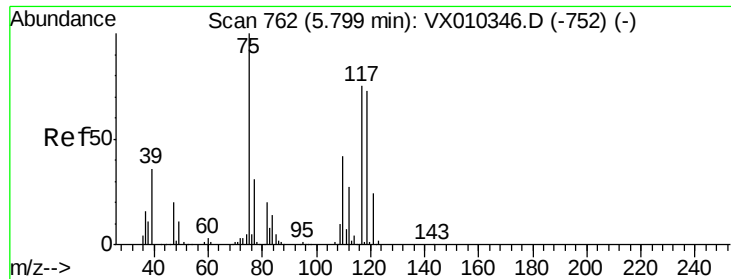
Tot Ion:114 Resp: 375811
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 33.8
 88 14.4 0.0 27.6



#35
 Dibromofluoromethane
 Concen: 49.359 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010595.D
 Acq: 01 Jul 2019 16:54

Tgt Ion:113 Resp: 113494
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.2 121.8
 192 22.5 18.6 27.8





#36

1,1-Dichloropropene

Concen: 5.263 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010595.D

Acq: 01 Jul 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

IDW-EW03-TRENCH

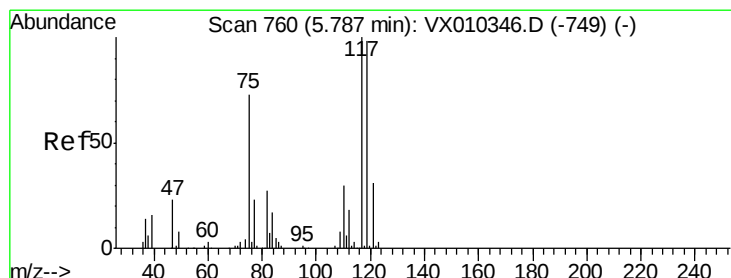
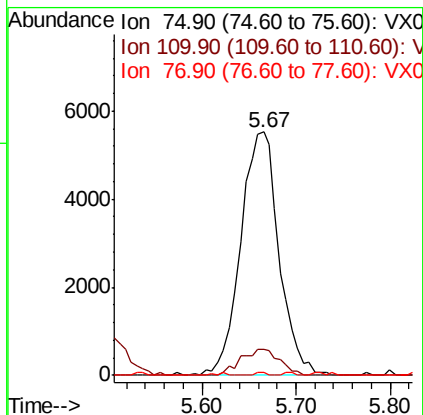
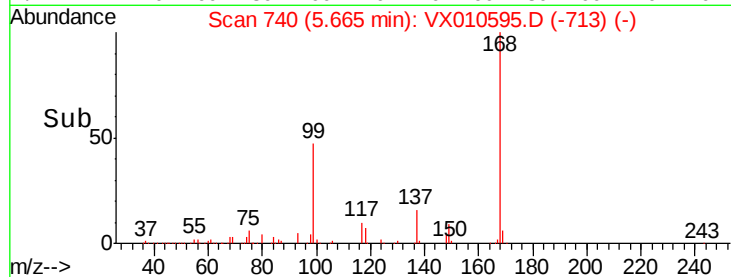
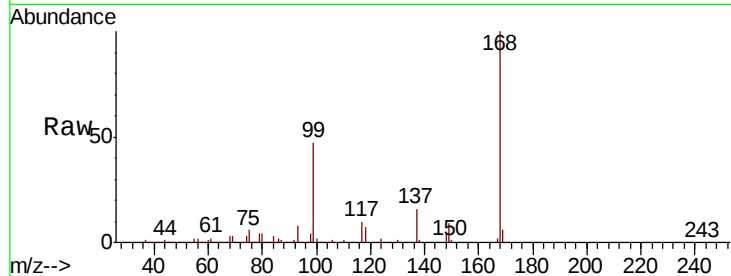
Tot Ion: 75 Resp: 15718

Ion Ratio Lower Upper

75 100

110 11.0 20.8 62.2#

77 0.3 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 6.853 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010595.D

Acq: 01 Jul 2019 16:54

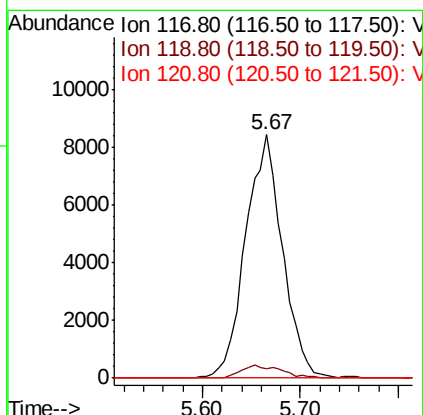
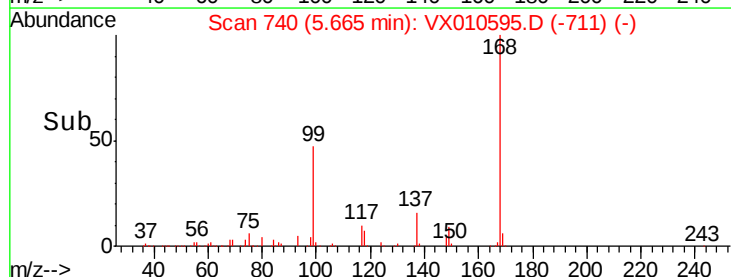
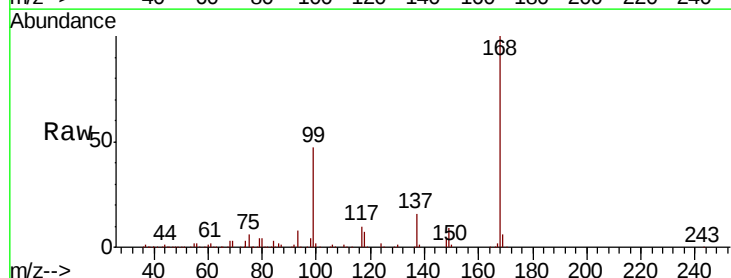
Tgt Ion: 117 Resp: 22163

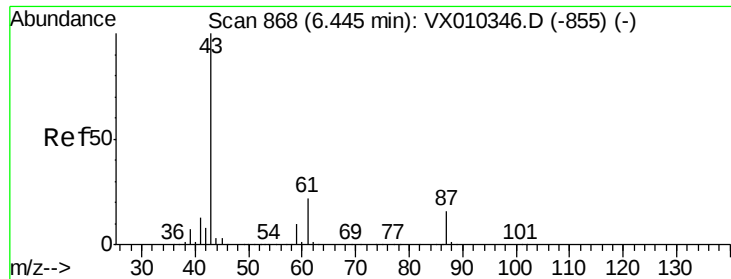
Ion Ratio Lower Upper

117 100

119 3.9 78.2 117.4#

121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 1.892 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX010595.D

Acq: 01 Jul 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

IDW-EW03-TRENCH

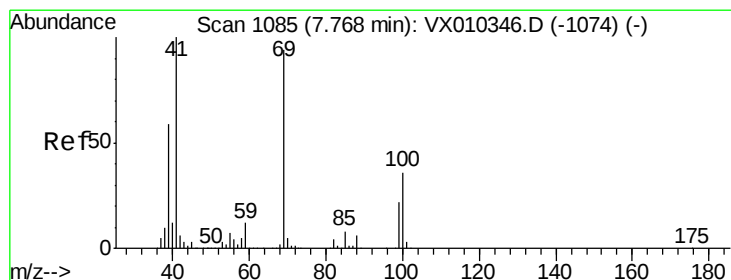
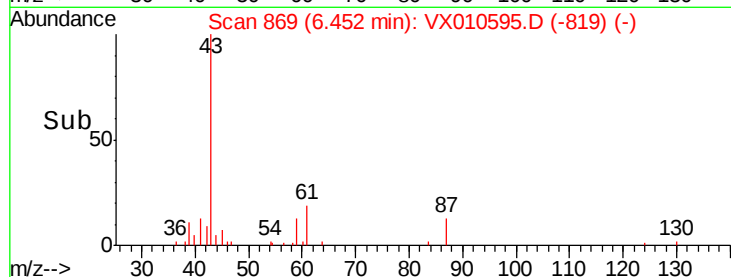
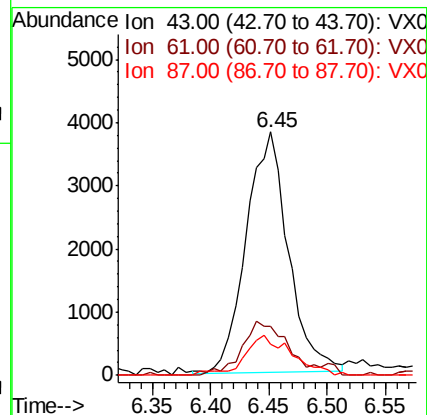
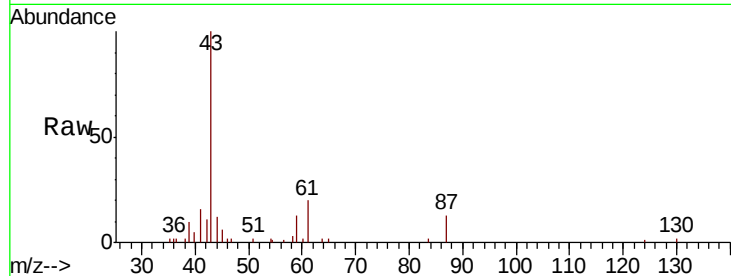
Tot Ion: 43 Resp: 9619

Ion Ratio Lower Upper

43 100

61 24.4 17.8 26.6

87 17.4 13.0 19.4



#48

Methyl methacrylate

Concen: 2.322 ug/l

RT: 7.67 min Scan# 1069

Delta R.T. -0.10 min

Lab File: VX010595.D

Acq: 01 Jul 2019 16:54

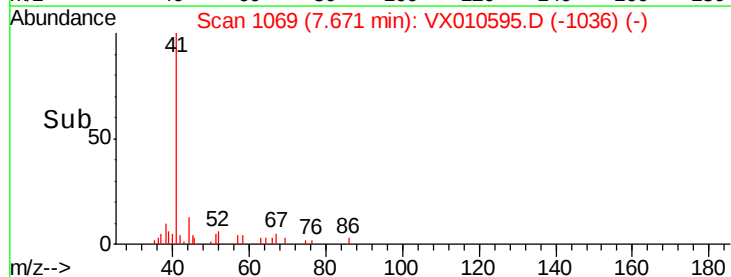
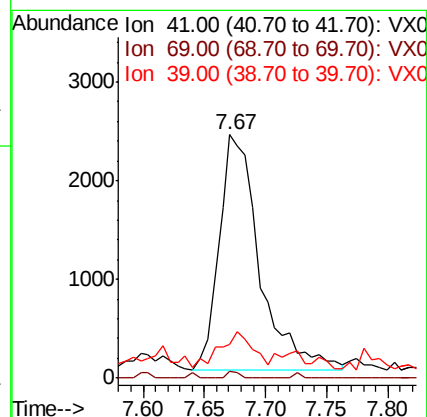
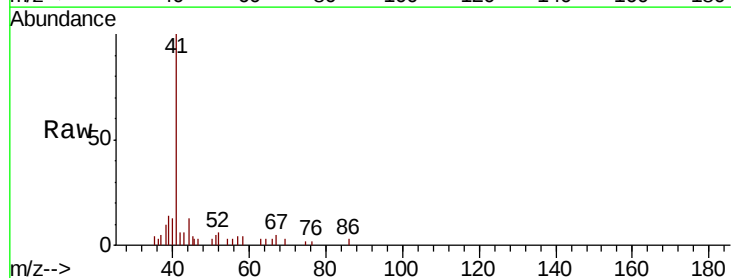
Tgt Ion: 41 Resp: 5486

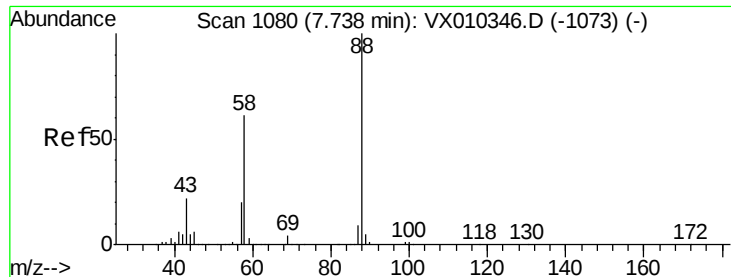
Ion Ratio Lower Upper

41 100

69 0.8 76.1 114.1#

39 0.0 47.6 71.4#

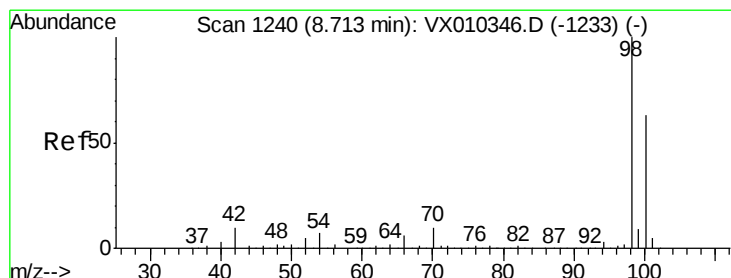
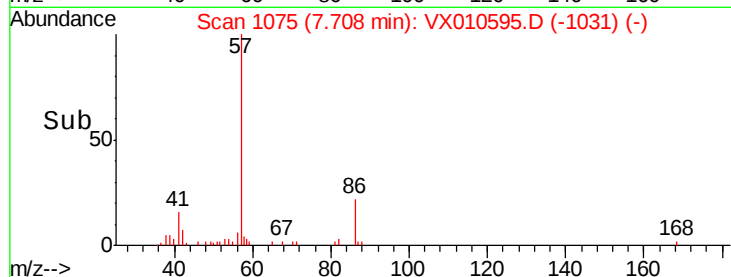
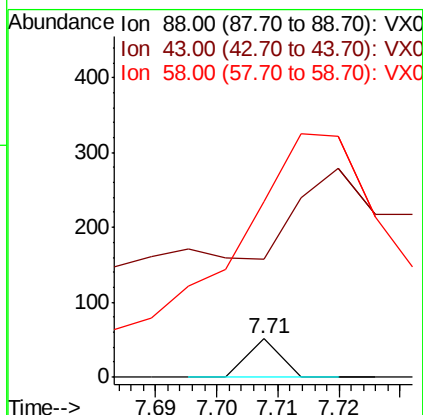
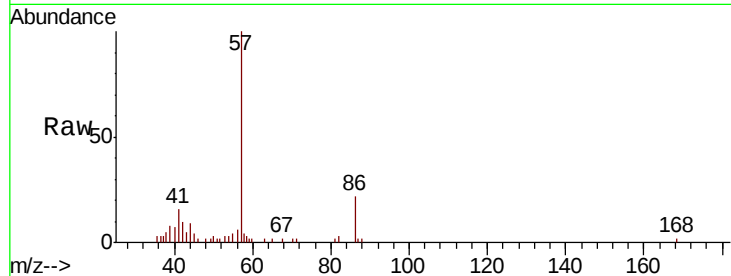




#49
1,4-Dioxane
Concen: 0.279 ug/l
RT: 7.71 min Scan# 1075
Delta R.T. -0.03 min
Lab File: VX010595.D
Acq: 01 Jul 2019 16:54

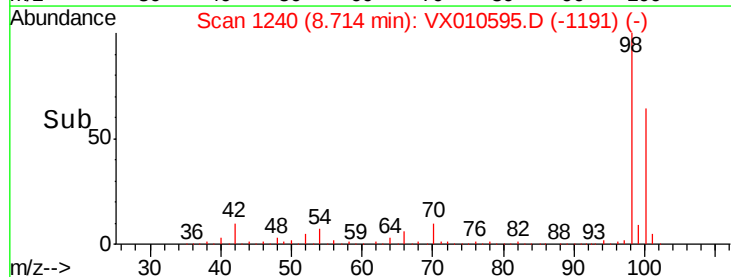
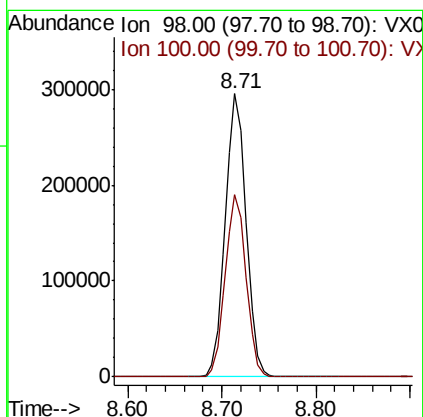
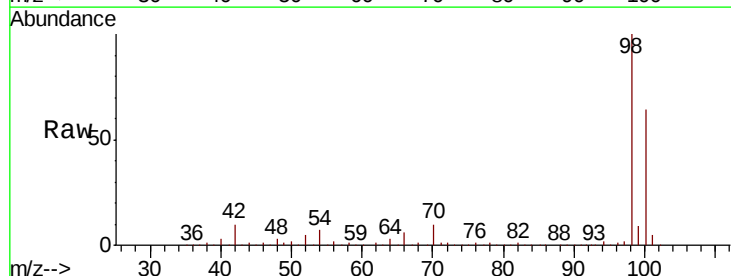
Instrument :
MSVOA_X
ClientSampleId :
IDW-EW03-TRENCH

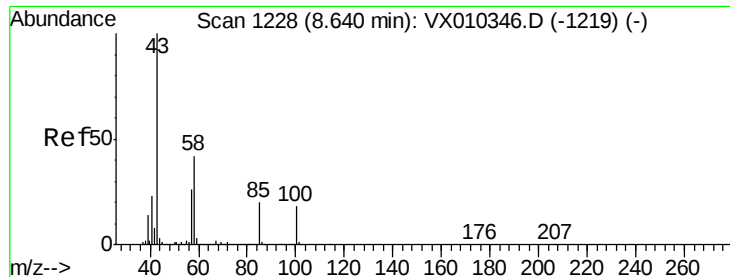
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 3994.7 49.5 74.3#



#50
Toluene-d8
Concen: 51.533 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010595.D
Acq: 01 Jul 2019 16:54

Tgt Ion: 98 Resp: 453328
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 22.830 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX010595.D

Acq: 01 Jul 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

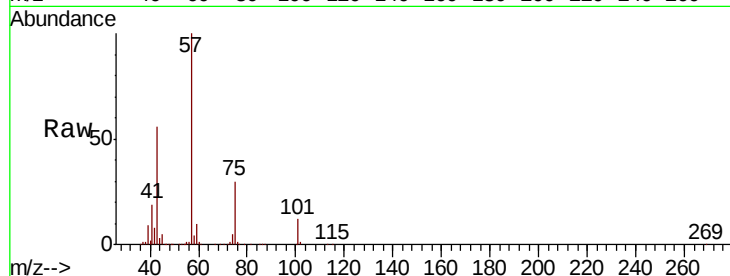
IDW-EW03-TRENCH

Tot Ion: 43 Resp: 74220

Ion Ratio Lower Upper

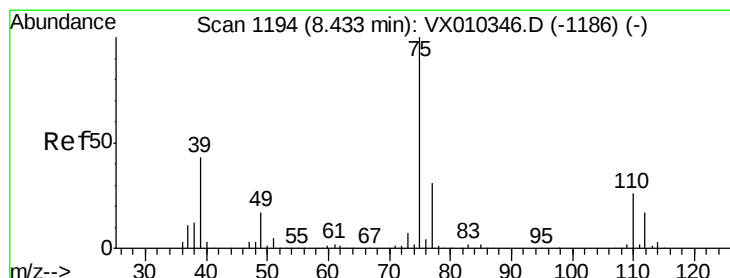
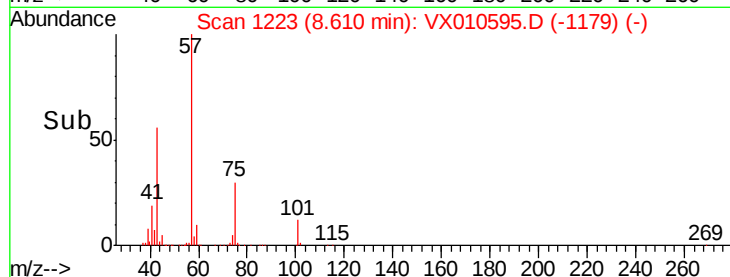
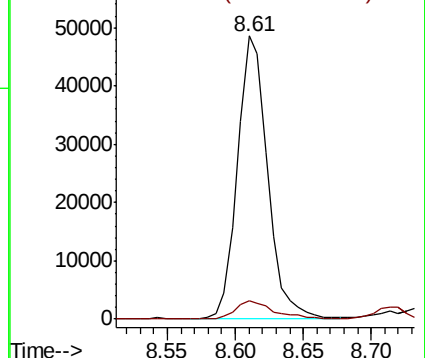
43 100

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



#54

cis-1,3-Dichloropropene

Concen: 10.757 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX010595.D

Acq: 01 Jul 2019 16:54

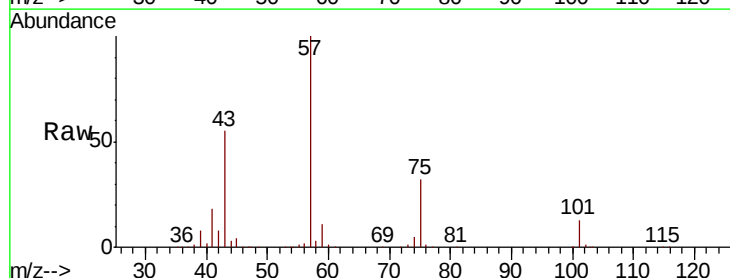
Tgt Ion: 75 Resp: 40489

Ion Ratio Lower Upper

75 100

77 0.5 25.2 37.8#

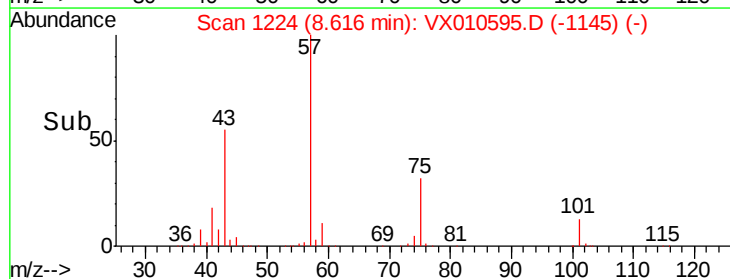
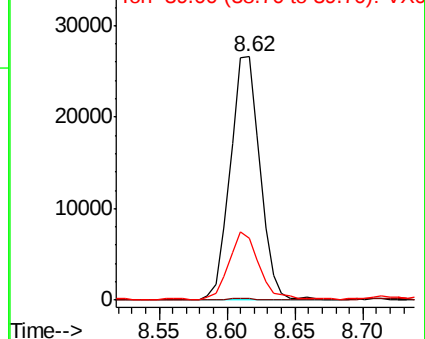
39 25.2 34.5 51.7#

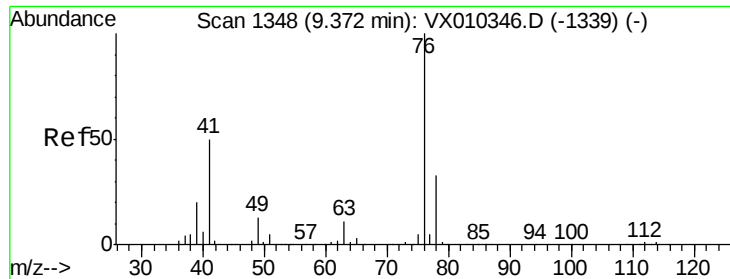


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 2.275 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX010595.D

Acq: 01 Jul 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

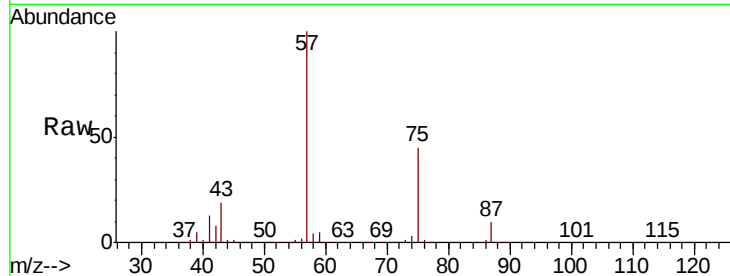
IDW-EW03-TRENCH

Tot Ion: 76 Resp: 8924

Ion Ratio Lower Upper

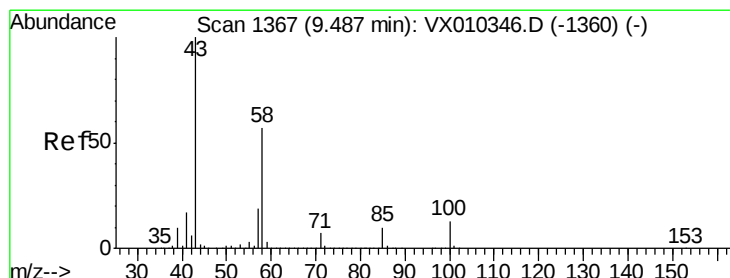
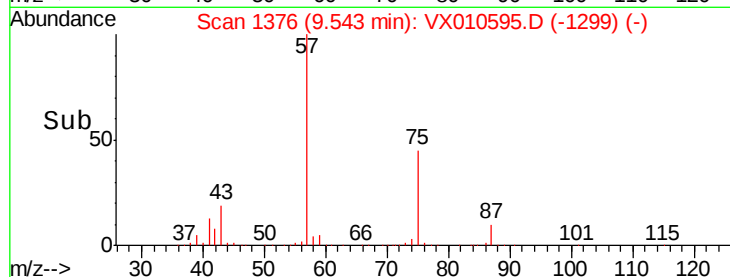
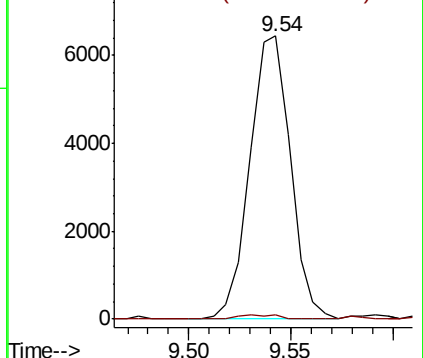
76 100

78 1.3 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: 43.188 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.06 min

Lab File: VX010595.D

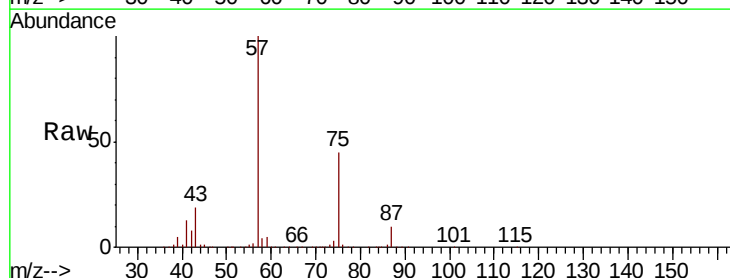
Acq: 01 Jul 2019 16:54

Tgt Ion: 43 Resp: 110501

Ion Ratio Lower Upper

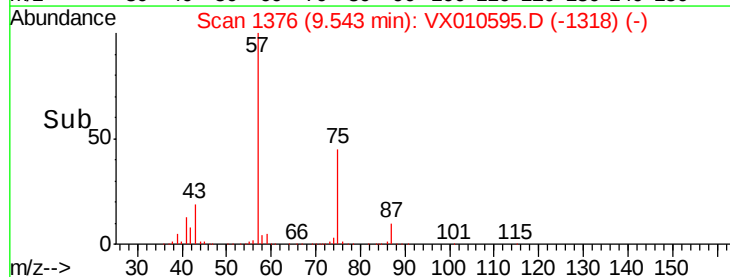
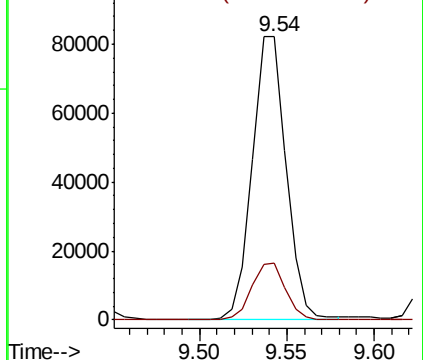
43 100

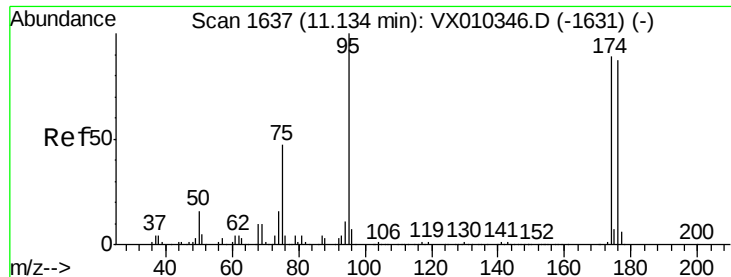
58 20.5 29.0 87.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 47.723 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010595.D

Acq: 01 Jul 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

IDW-EW03-TRENCH

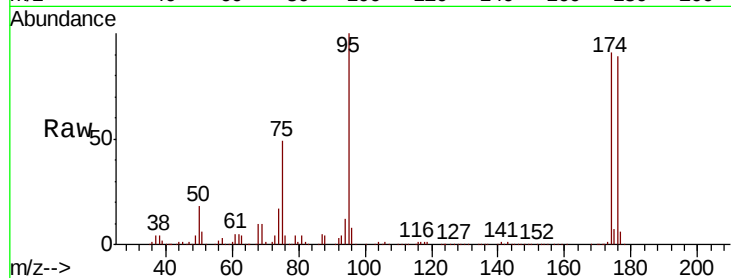
Tot Ion: 95 Resp: 151563

Ion Ratio Lower Upper

95 100

174 95.0 0.0 187.6

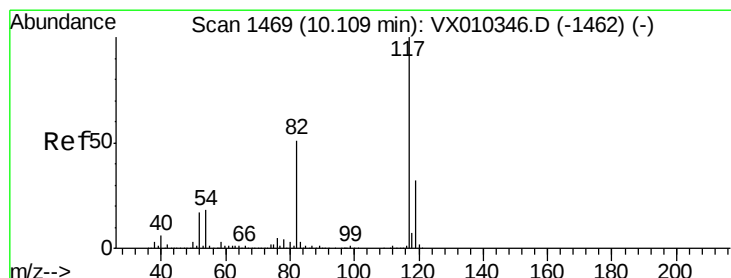
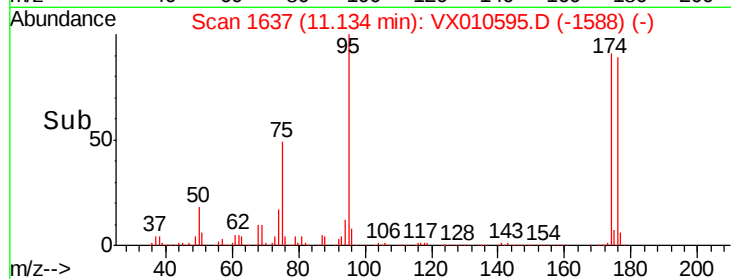
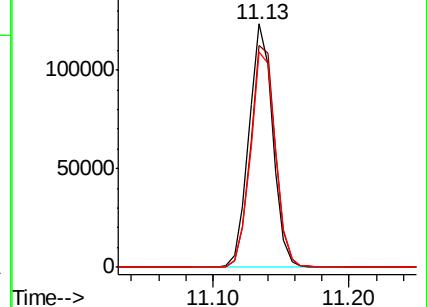
176 92.4 0.0 184.0



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: VX010595.D

Acq: 01 Jul 2019 16:54

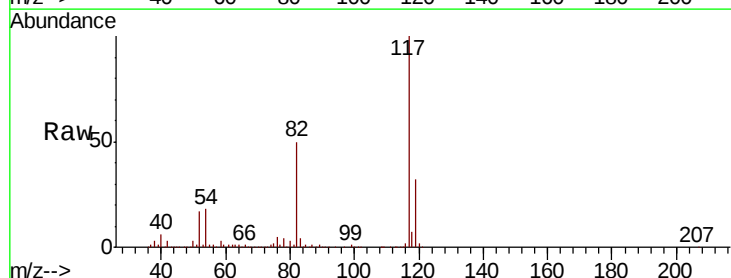
Tgt Ion: 117 Resp: 352468

Ion Ratio Lower Upper

117 100

82 50.1 41.2 61.8

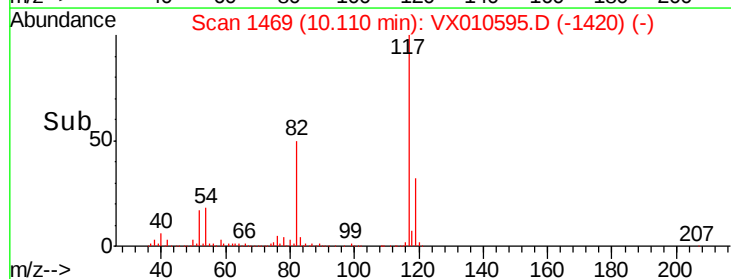
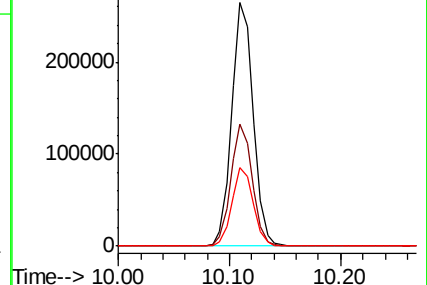
119 32.4 25.5 38.3

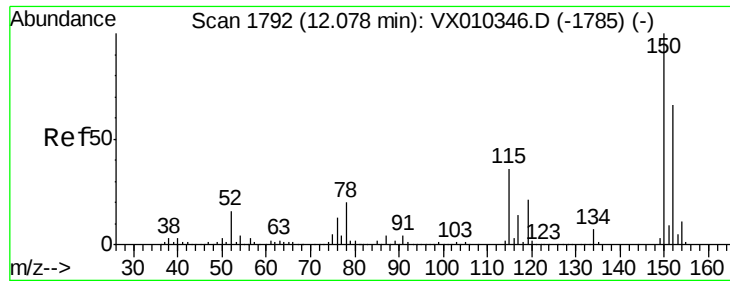


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010595.D

Acq: 01 Jul 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

IDW-EW03-TRENCH

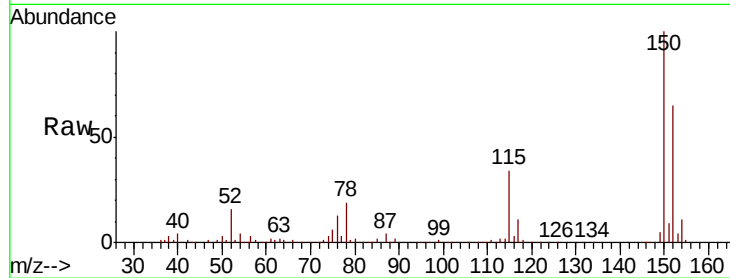
Tot Ion:152 Resp: 161286

Ion Ratio Lower Upper

152 100

115 54.4 38.6 115.7

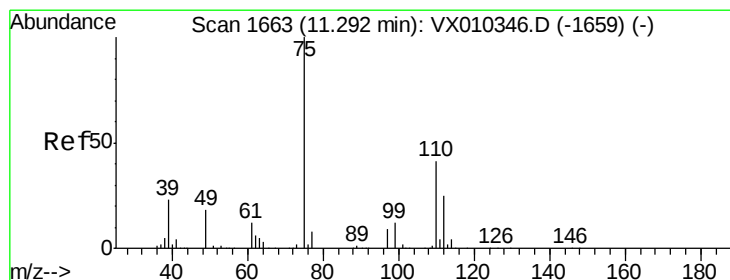
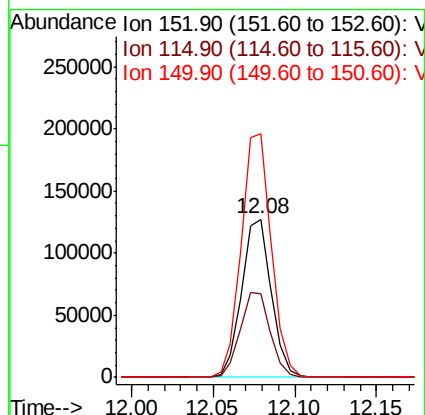
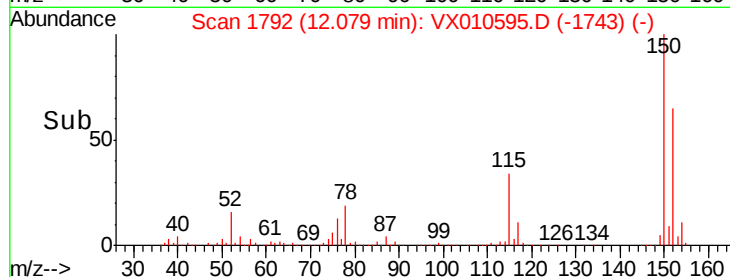
150 156.7 0.0 347.4



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: 25.080 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010595.D

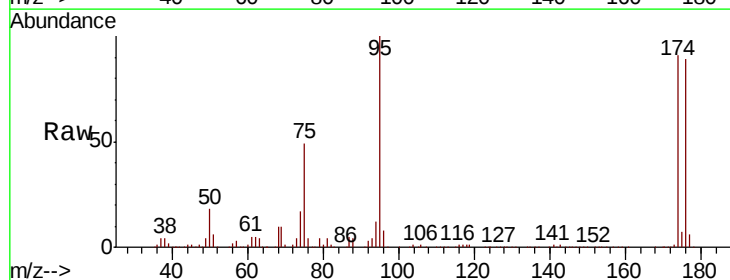
Acq: 01 Jul 2019 16:54

Tgt Ion: 75 Resp: 73712

Ion Ratio Lower Upper

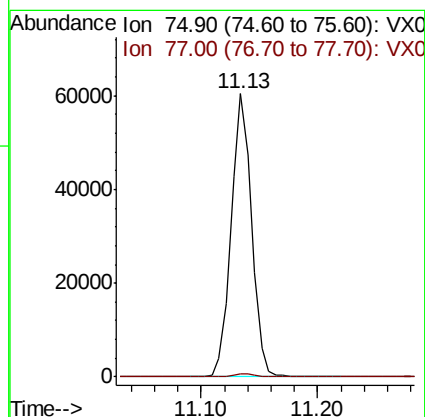
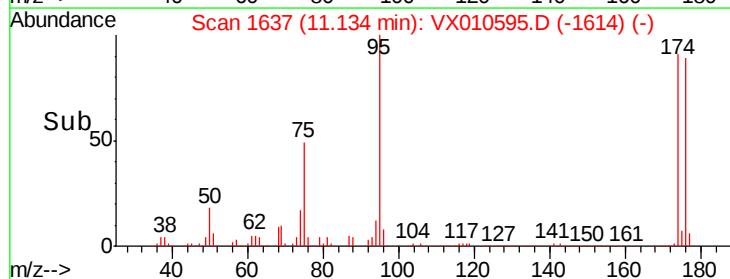
75 100

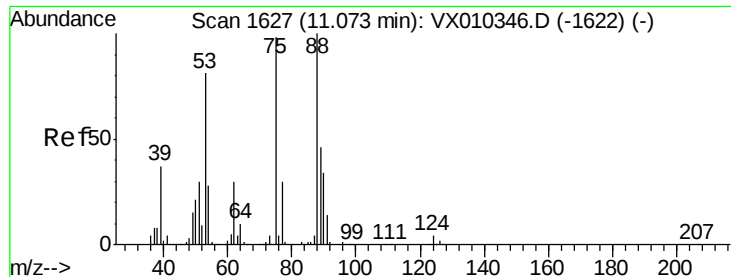
77 1.2 22.6 67.8#



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: 58.509 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010595.D

Acq: 01 Jul 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

IDW-EW03-TRENCH

Tot Ion: 75 Resp: 73712

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.1 37.8 56.6#

