

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091720\
 Data File : VX018475.D
 Acq On : 17 Sep 2020 18:40
 Operator : JC/SP
 Sample : L4058-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

Quant Time: Sep 18 06:34:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	492666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	786783	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	734964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	390593	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	334147	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
35) Dibromofluoromethane	5.47	113	266274	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
50) Toluene-d8	8.70	98	953591	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
62) 4-Bromofluorobenzene	11.12	95	365656	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	

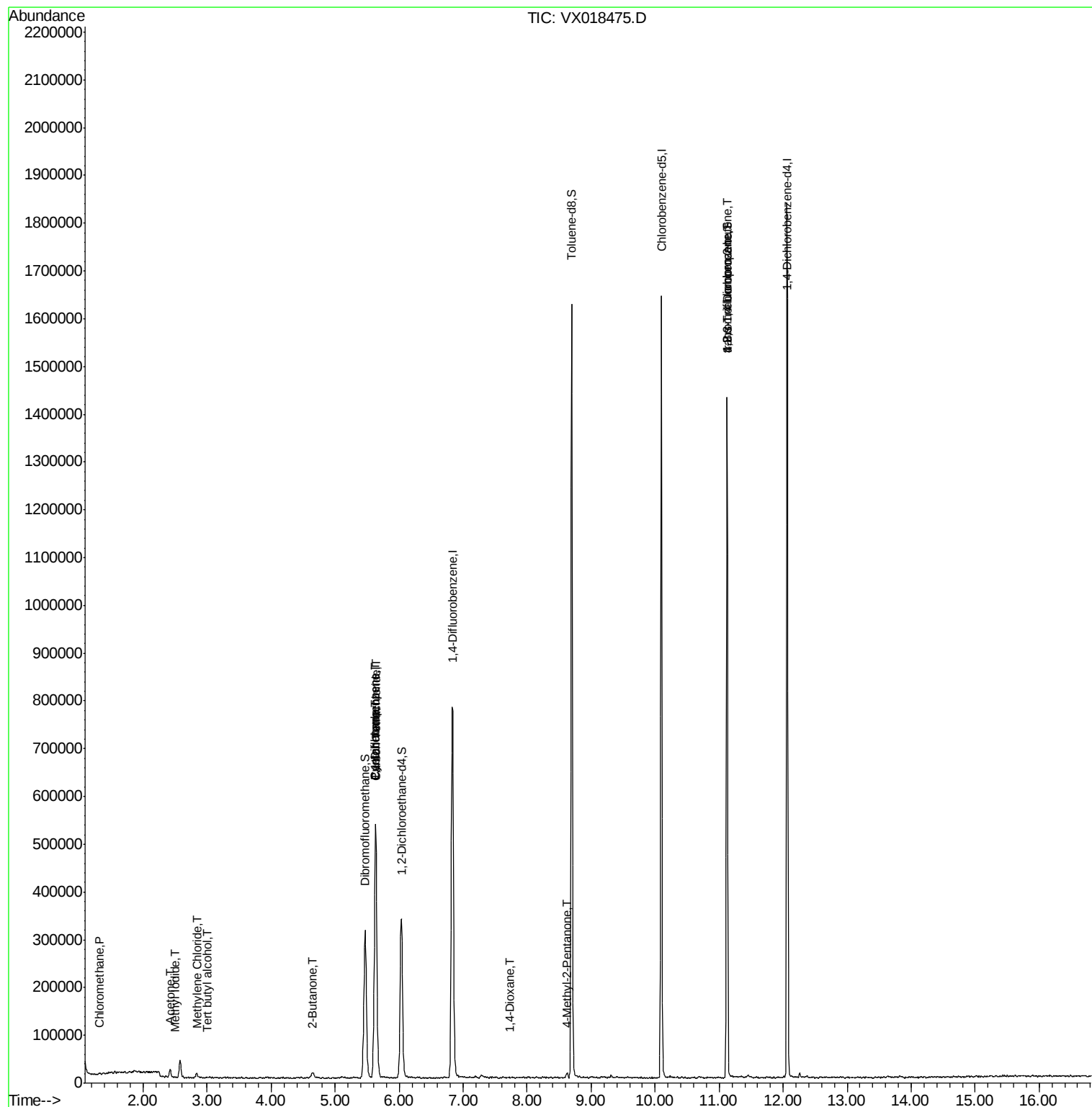
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2330	0.426	ug/l	99
10) Methyl Iodide	2.50	142	509	4.993	ug/l #	79
11) Tert butyl alcohol	3.01	59	988	0.815	ug/l #	23
16) Acetone	2.42	43	21191	7.950	ug/l	95
20) Methylene Chloride	2.84	84	4528	0.770	ug/l #	85
25) 2-Butanone	4.65	43	6783	1.634	ug/l #	63
31) Cyclohexane	5.64	56	9692	1.149	ug/l #	2
36) 1,1-Dichloropropene	5.63	75	36411	4.768	ug/l #	55
38) Carbon Tetrachloride	5.64	117	50588	5.981	ug/l #	19
49) 1,4-Dioxane	7.71	88	63	0.579	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	6505	0.807	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	185400	22.588	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	185400	57.880	ug/l #	13

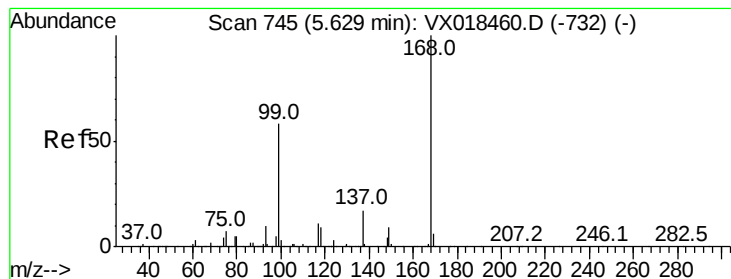
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091720\
Data File : VX018475.D
Acq On : 17 Sep 2020 18:40
Operator : JC/SP
Sample : L4058-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANK

Quant Time: Sep 18 06:34:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 17 12:17:36 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018475.D

Acq: 17 Sep 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

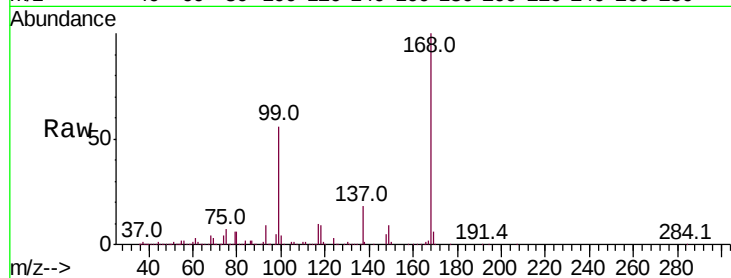
FIELD-BLANK

Tot Ion:168 Resp: 492666

Ion Ratio Lower Upper

168 100

99 56.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

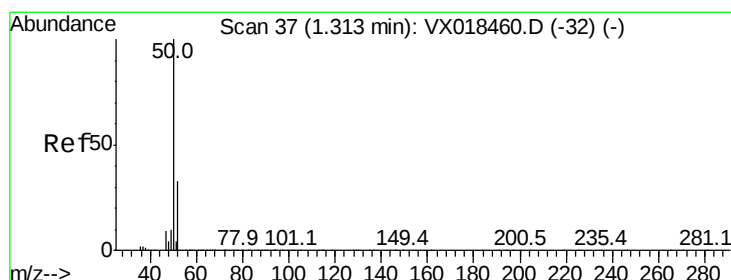
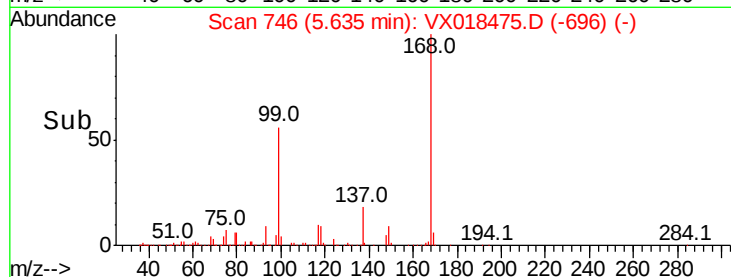
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.426 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018475.D

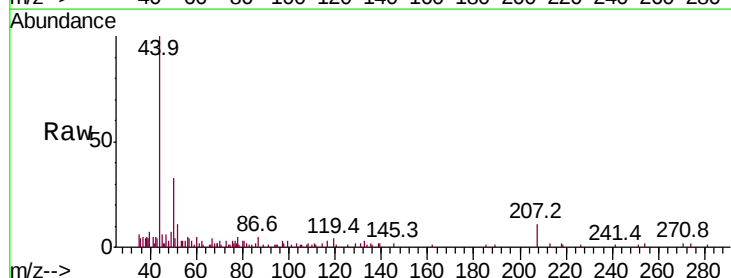
Acq: 17 Sep 2020 18:40

Tgt Ion: 50 Resp: 2330

Ion Ratio Lower Upper

50 100

52 34.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2000

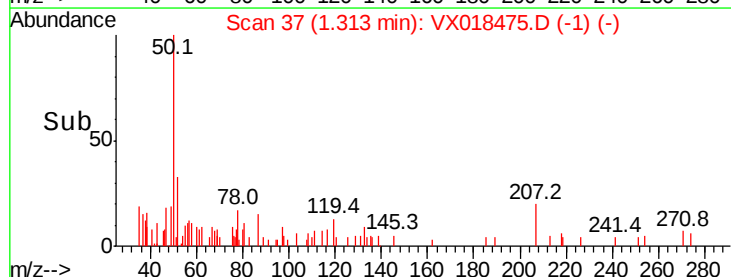
1500

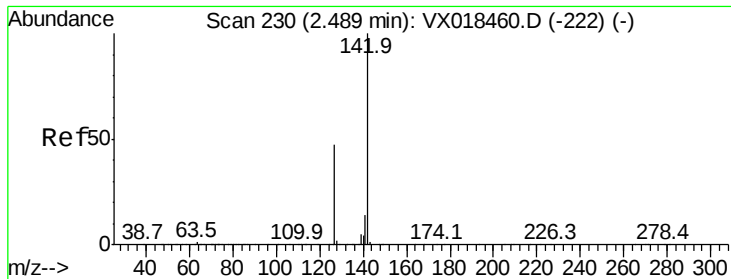
1000

500

0

Time-->

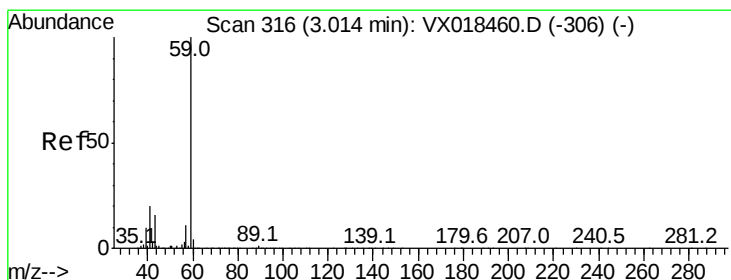
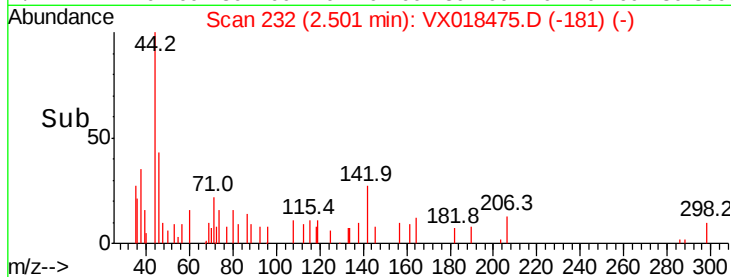
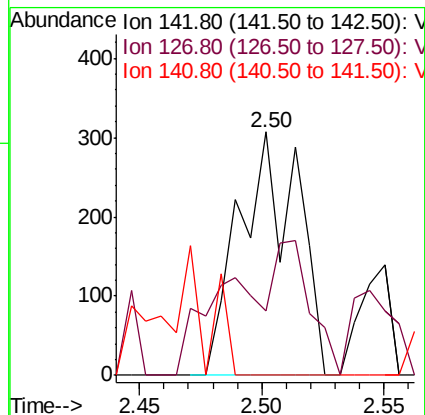
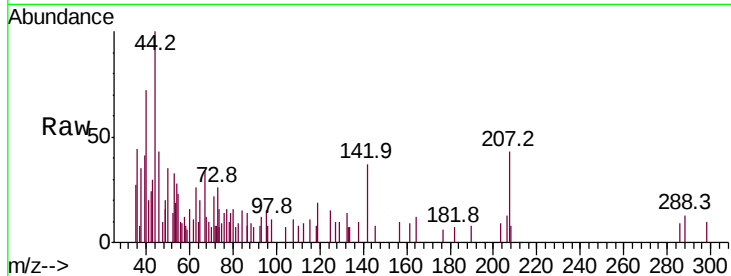




#10
Methyl Iodide
Concen: 4.993 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018475.D
Acq: 17 Sep 2020 18:40

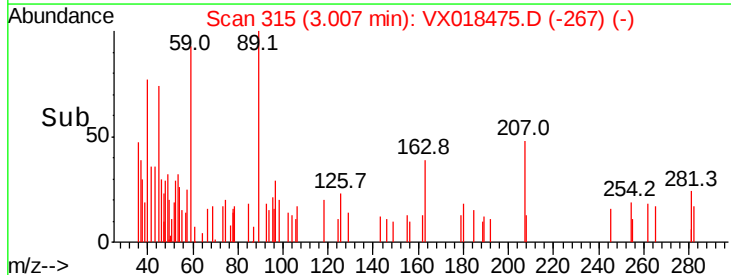
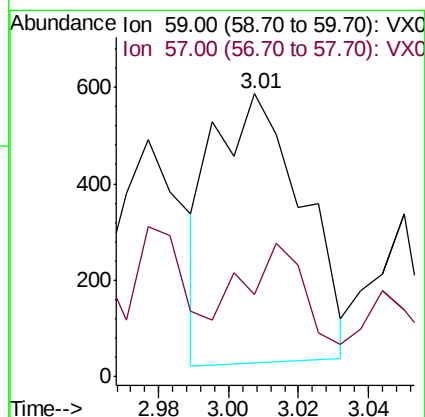
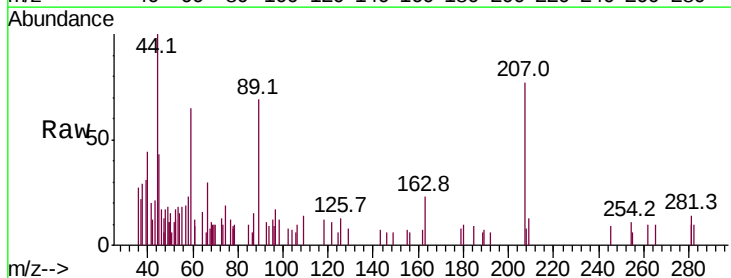
Instrument :
MSVOA_X
ClientSampled :
FIELD-BLANK

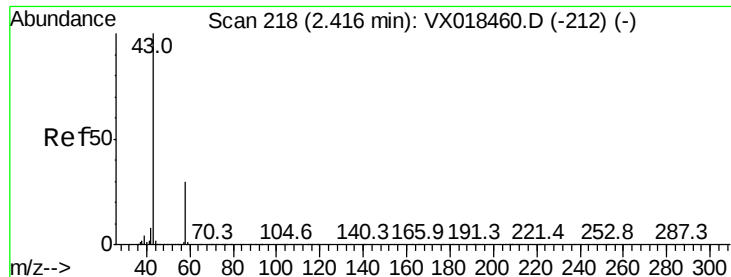
Tot Ion:142 Resp: 509
Ion Ratio Lower Upper
142 100
127 34.2 36.0 54.0#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: 0.815 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018475.D
Acq: 17 Sep 2020 18:40

Tgt Ion: 59 Resp: 988
Ion Ratio Lower Upper
59 100
57 38.9 8.2 12.4#

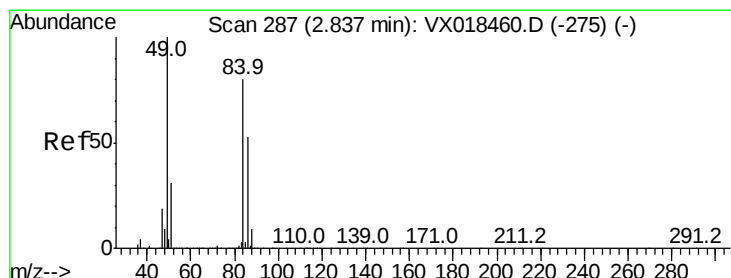
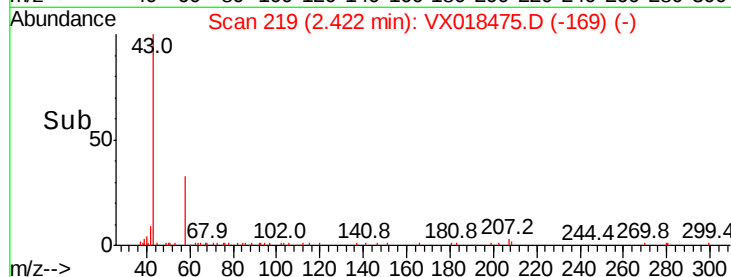
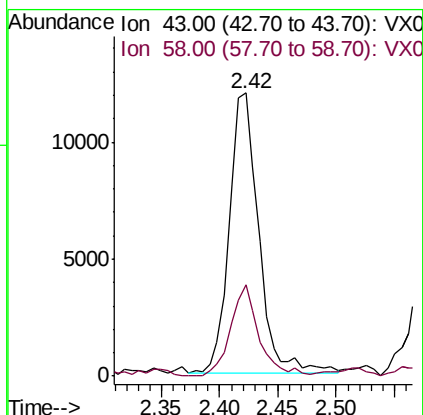
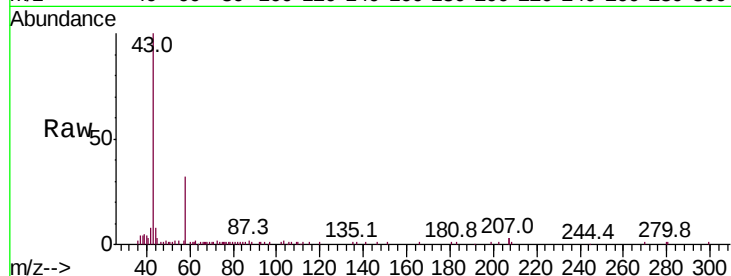




#16
Acetone
Concen: 7.950 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.01 min
Lab File: VX018475.D
Acq: 17 Sep 2020 18:40

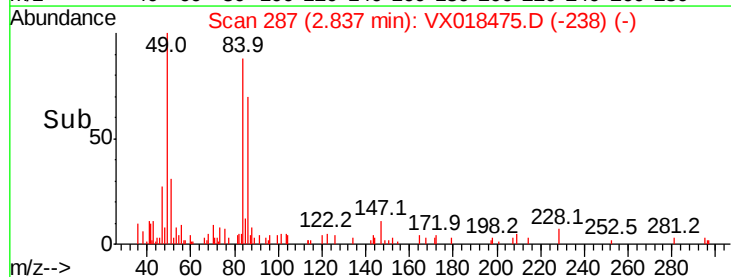
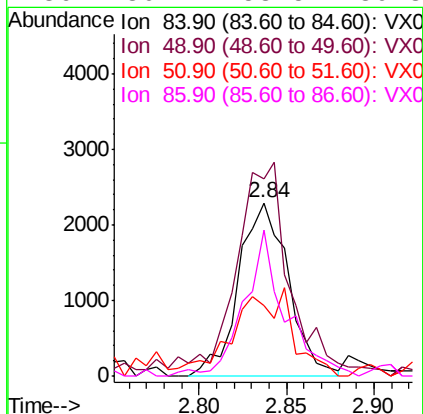
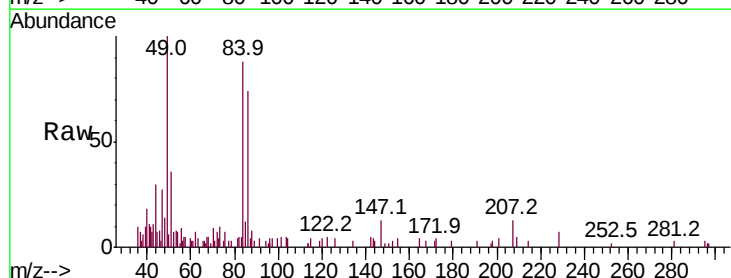
Instrument :
MSVOA_X
ClientSampled :
FIELD-BLANK

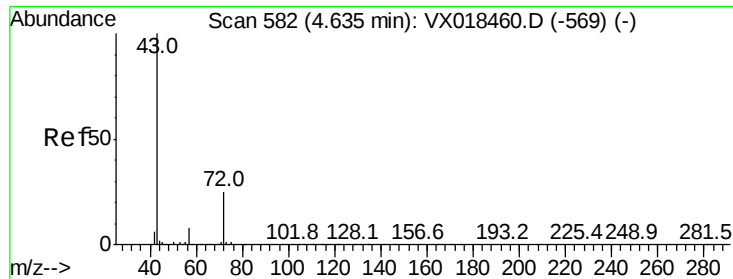
Tot Ion: 43 Resp: 21191
Ion Ratio Lower Upper
43 100
58 32.4 24.0 36.0



#20
Methylene Chloride
Concen: 0.770 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX018475.D
Acq: 17 Sep 2020 18:40

Tgt Ion: 84 Resp: 4528
Ion Ratio Lower Upper
84 100
49 106.4 100.6 151.0
51 40.5 30.9 46.3
86 80.4 53.5 80.3#





#25

2-Butanone

Concen: 1.634 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX018475.D

Acq: 17 Sep 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

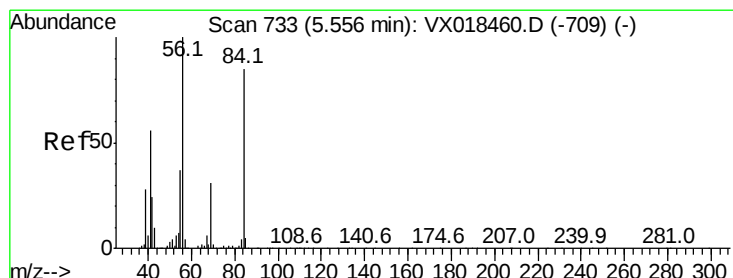
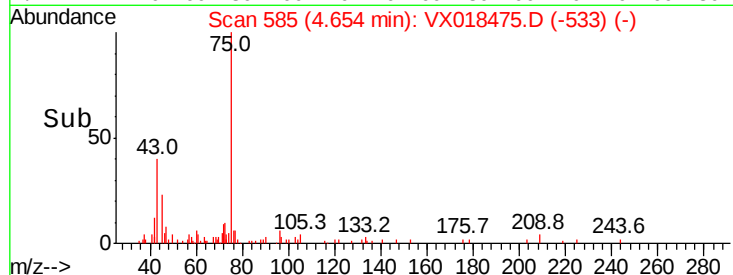
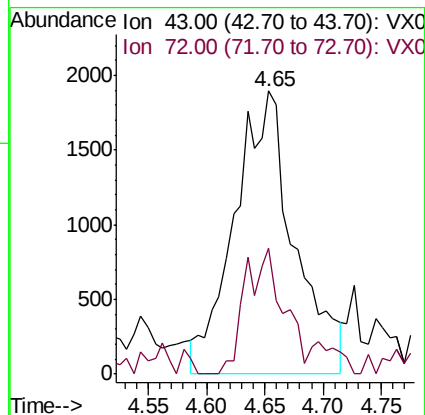
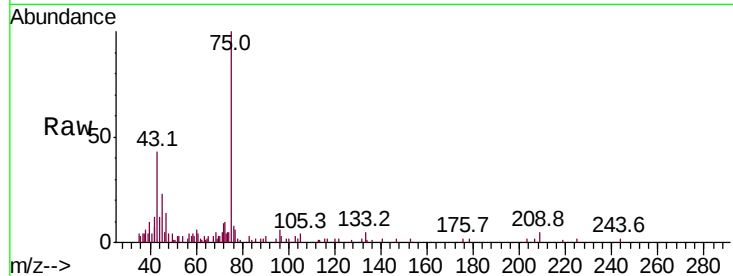
FIELD-BLANK

Tot Ion: 43 Resp: 6783

Ion Ratio Lower Upper

43 100

72 44.0 20.2 30.4#



#31

Cyclohexane

Concen: 1.149 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.08 min

Lab File: VX018475.D

Acq: 17 Sep 2020 18:40

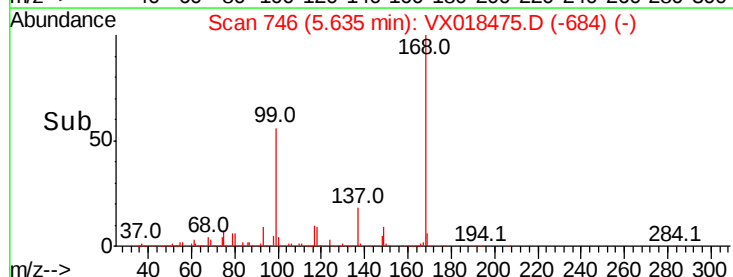
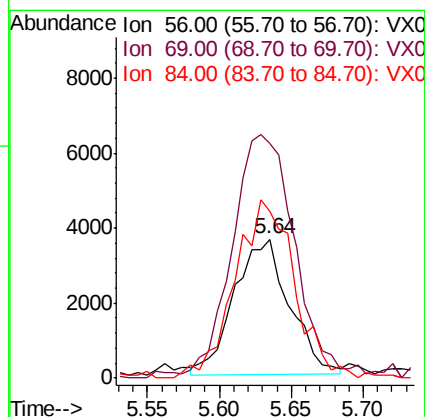
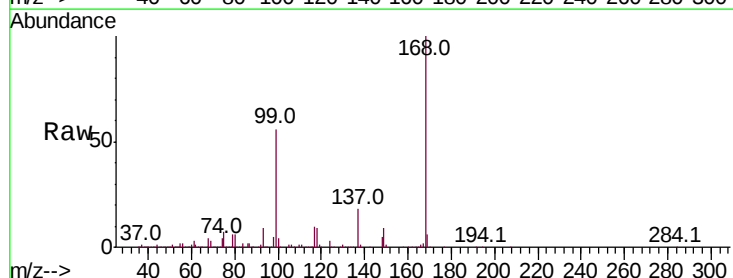
Tgt Ion: 56 Resp: 9692

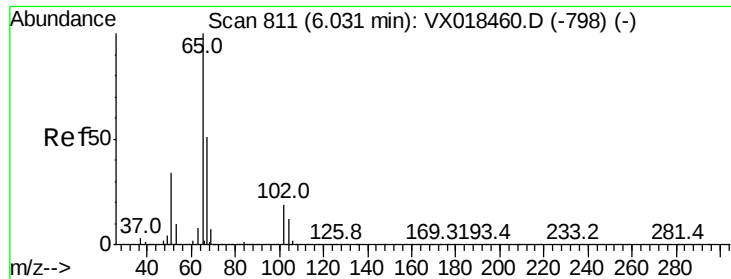
Ion Ratio Lower Upper

56 100

69 175.3 24.8 37.2#

84 119.4 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 47.944 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018475.D

Acq: 17 Sep 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

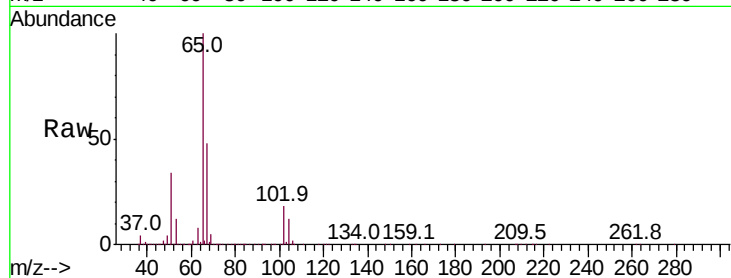
FIELD-BLANK

Tot Ion: 65 Resp: 334147

Ion Ratio Lower Upper

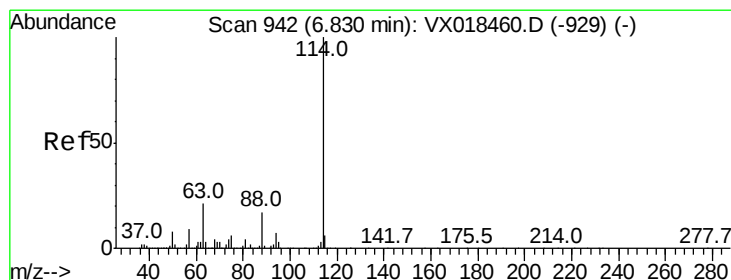
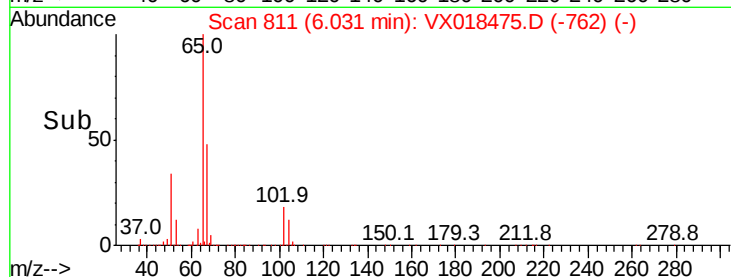
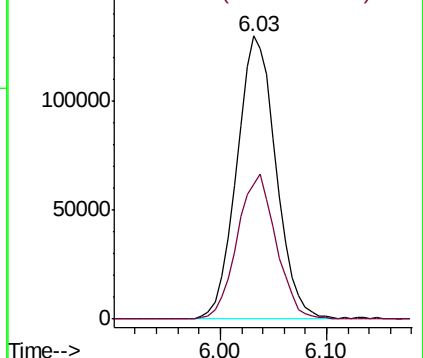
65 100

67 51.1 0.0 105.6



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018475.D

Acq: 17 Sep 2020 18:40

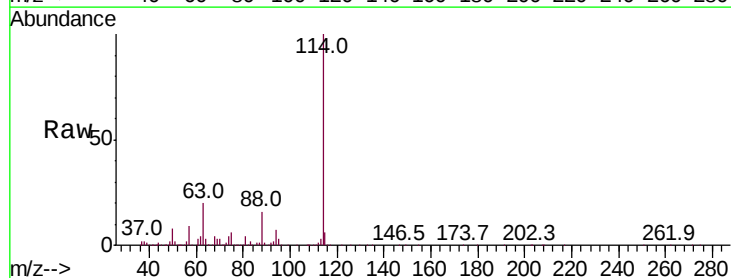
Tgt Ion: 114 Resp: 786783

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

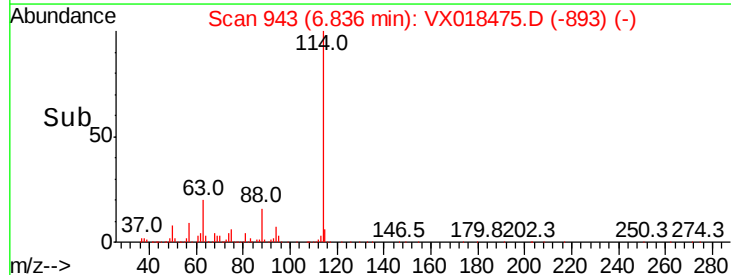
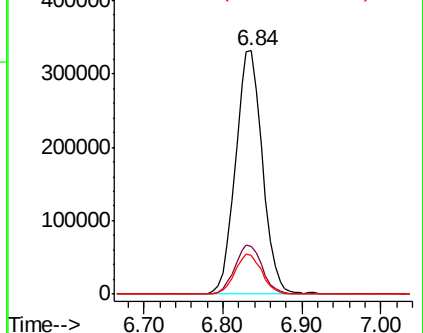
88 16.1 0.0 33.6

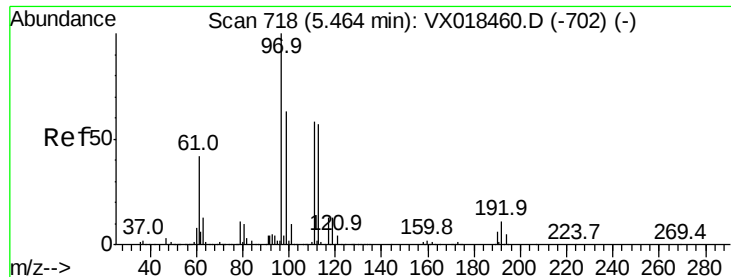


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

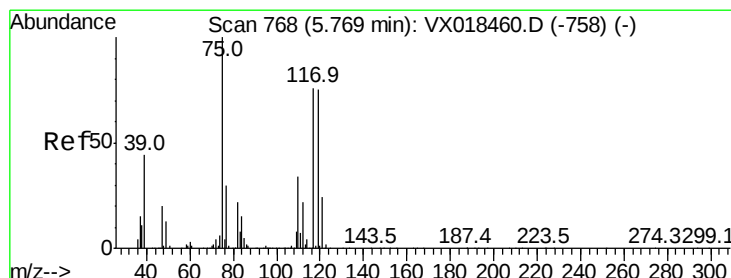
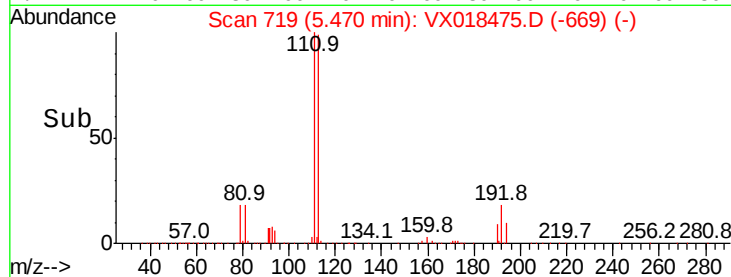
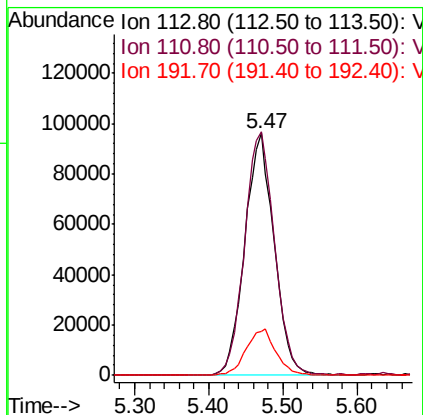
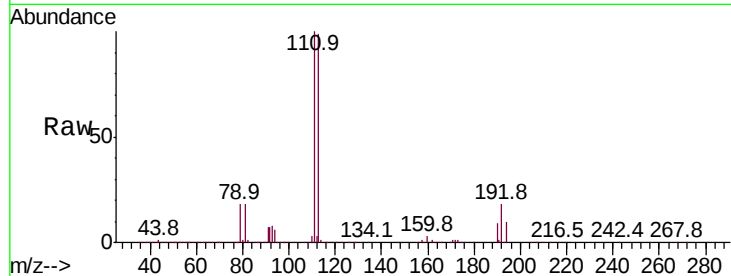




#35
 Dibromofluoromethane
 Concen: 48.955 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX018475.D
 Acq: 17 Sep 2020 18:40

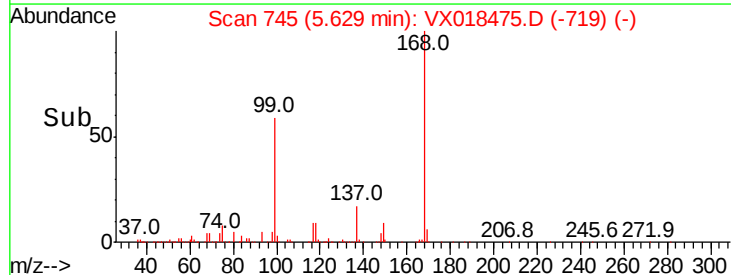
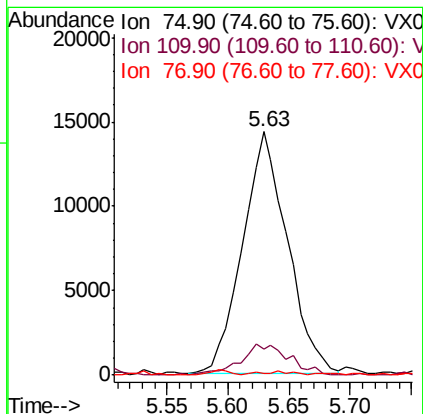
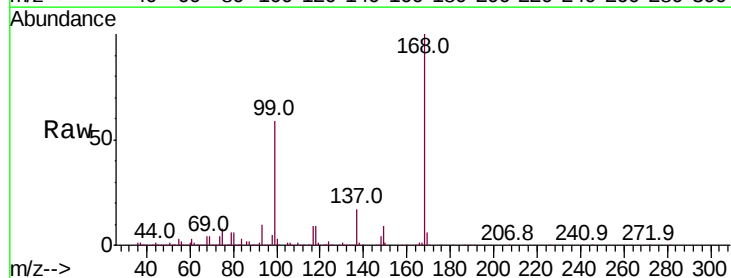
Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

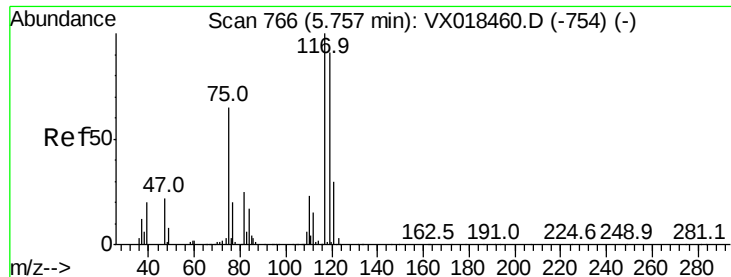
Tot Ion:113 Resp: 266274
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.4 122.2
 192 19.4 16.6 24.8



#36
 1,1-Dichloropropene
 Concen: 4.768 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018475.D
 Acq: 17 Sep 2020 18:40

Tgt Ion: 75 Resp: 36411
 Ion Ratio Lower Upper
 75 100
 110 14.0 17.6 52.8#
 77 1.1 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.981 ug/l

RT: 5.64 min Scan# 747

Delta R.T. -0.12 min

Lab File: VX018475.D

Acq: 17 Sep 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

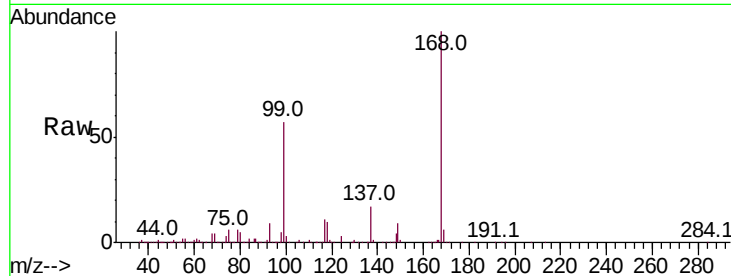
Tot Ion:117 Resp: 50588

Ion Ratio Lower Upper

117 100

119 5.6 72.3 108.5#

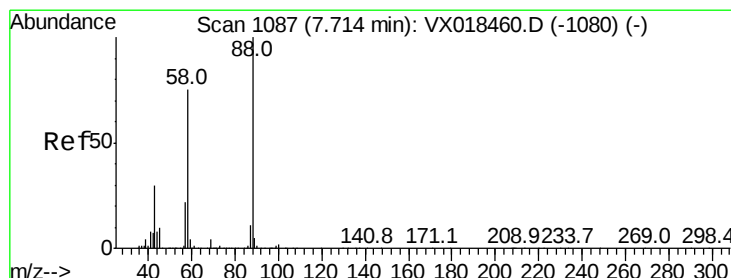
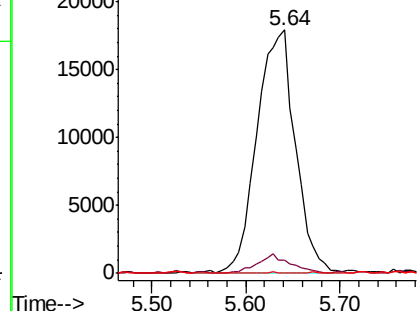
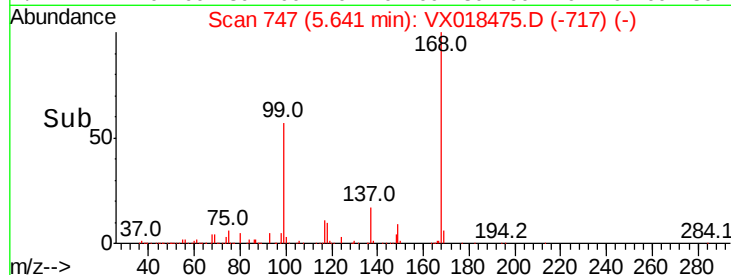
121 0.3 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 0.579 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX018475.D

Acq: 17 Sep 2020 18:40

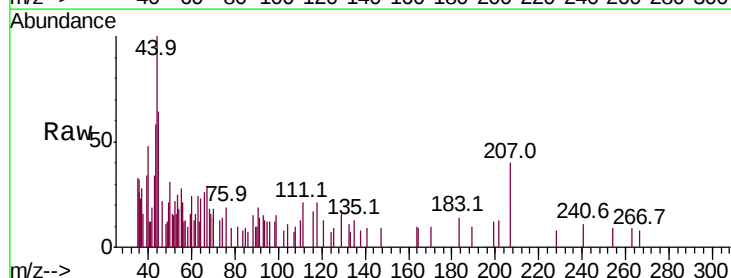
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 388.9 29.9 44.9#

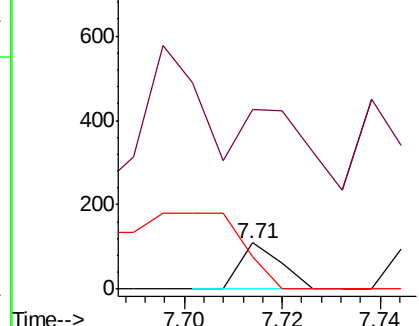
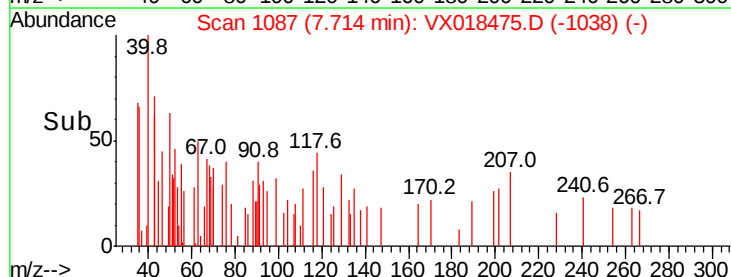
58 357.1 59.0 88.6#

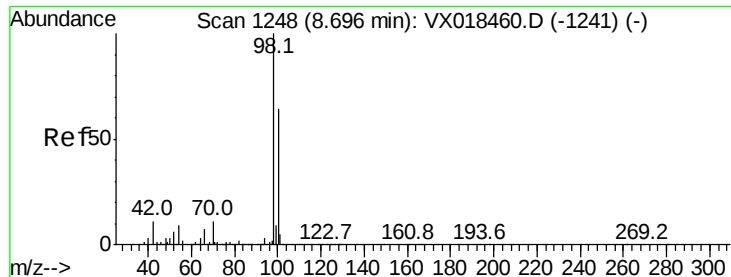


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.253 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018475.D

Acq: 17 Sep 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

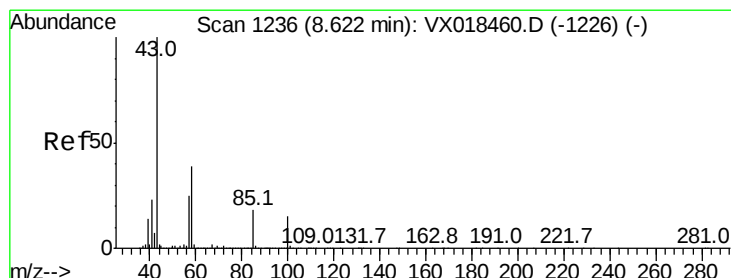
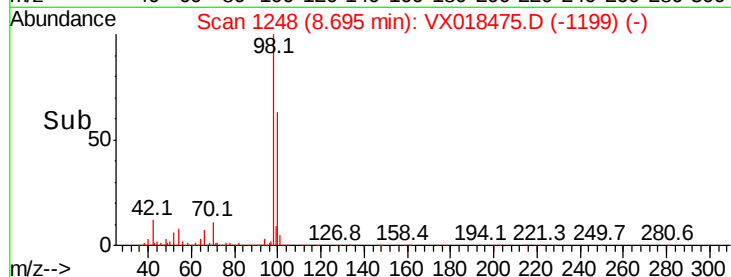
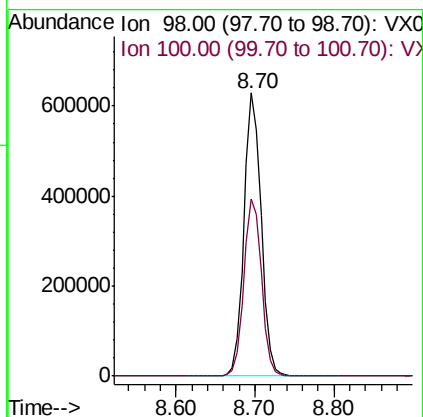
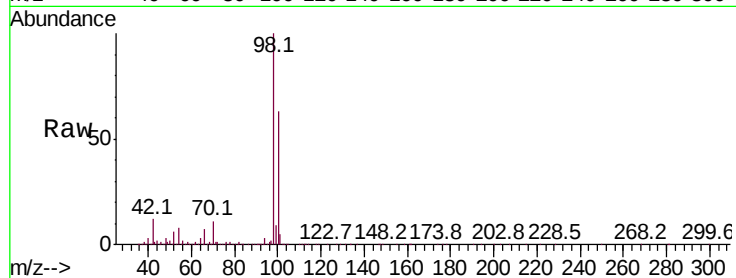
FIELD-BLANK

Tot Ion: 98 Resp: 953591

Ion Ratio Lower Upper

98 100

100 64.0 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.807 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX018475.D

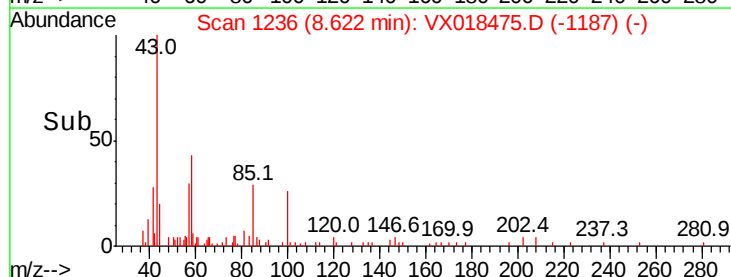
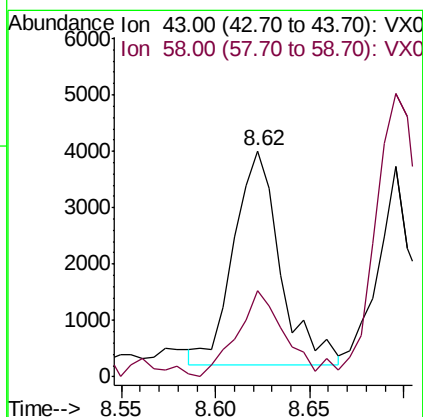
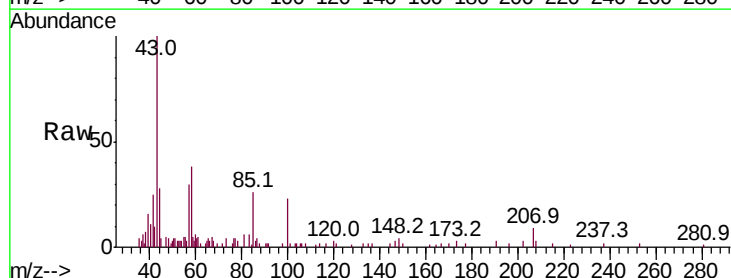
Acq: 17 Sep 2020 18:40

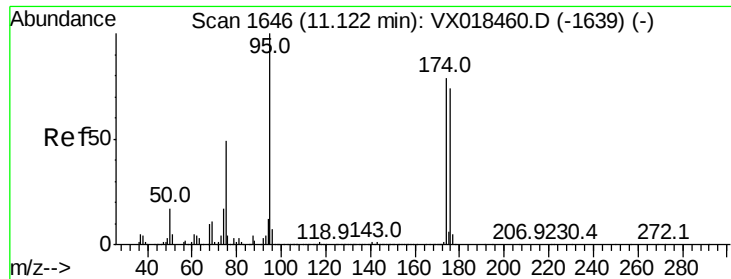
Tgt Ion: 43 Resp: 6505

Ion Ratio Lower Upper

43 100

58 39.9 30.9 46.3





#62

4-Bromofluorobenzene

Concen: 46.515 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018475.D

Acq: 17 Sep 2020 18:40

Instrument :

MSVOA_X

ClientSampled :

FIELD-BLANK

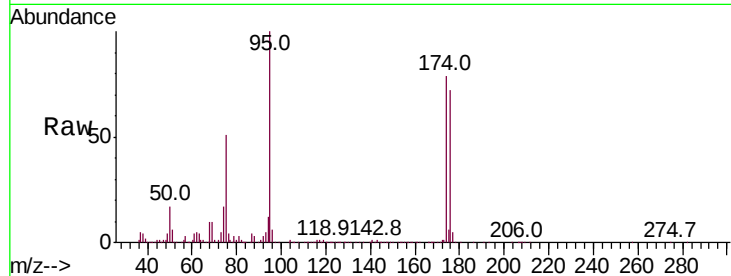
Tot Ion: 95 Resp: 365656

Ion Ratio Lower Upper

95 100

174 79.9 0.0 161.4

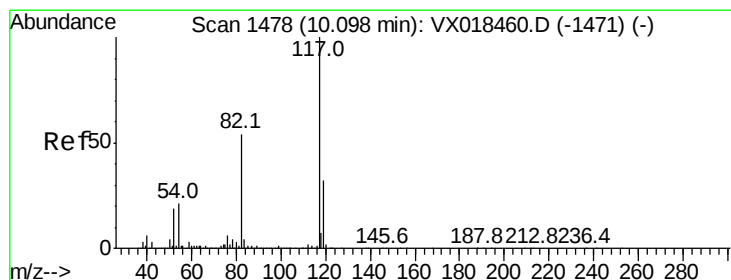
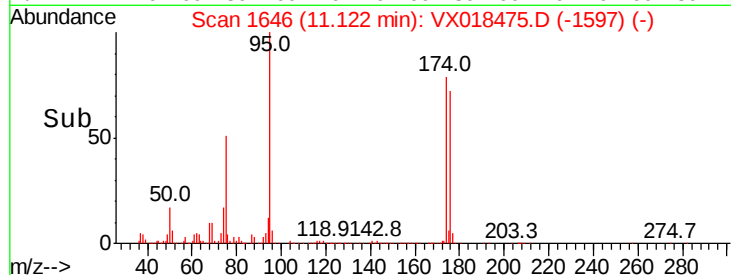
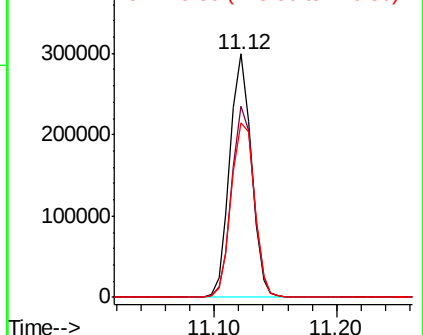
176 77.3 0.0 151.4



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: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018475.D

Acq: 17 Sep 2020 18:40

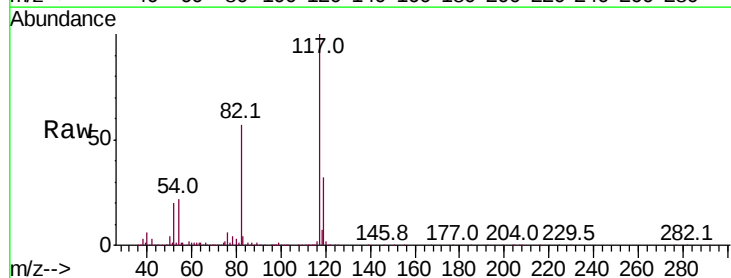
Tgt Ion: 117 Resp: 734964

Ion Ratio Lower Upper

117 100

82 56.6 43.3 64.9

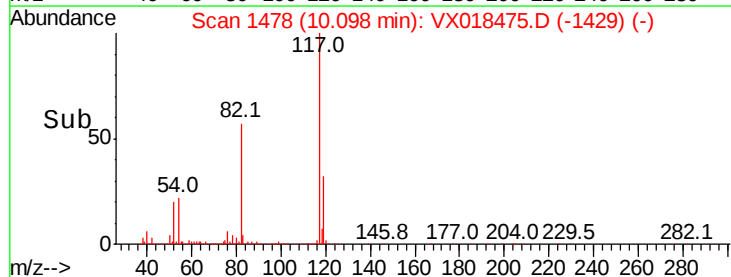
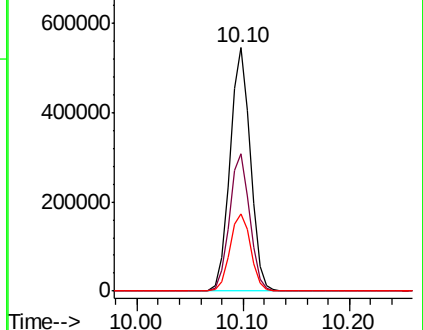
119 31.9 25.9 38.9

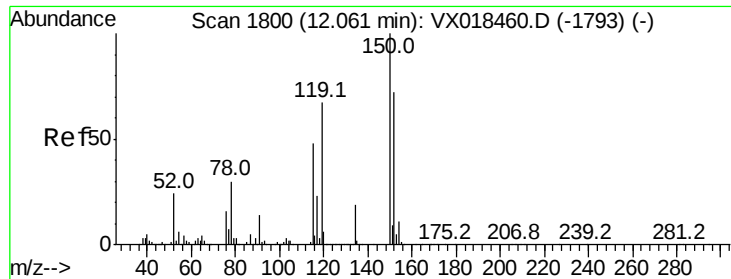


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018475.D

Acq: 17 Sep 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

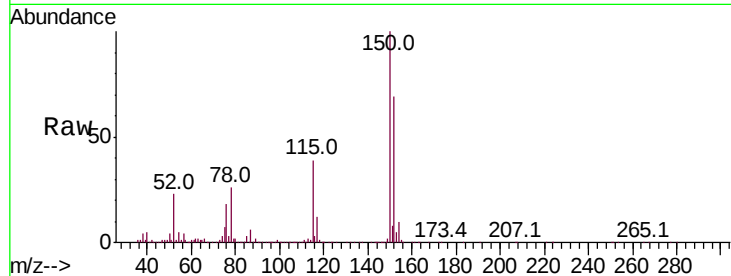
Tot Ion:152 Resp: 390593

Ion Ratio Lower Upper

152 100

115 56.9 41.8 125.4

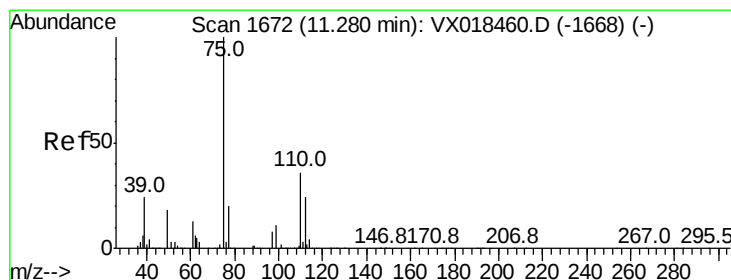
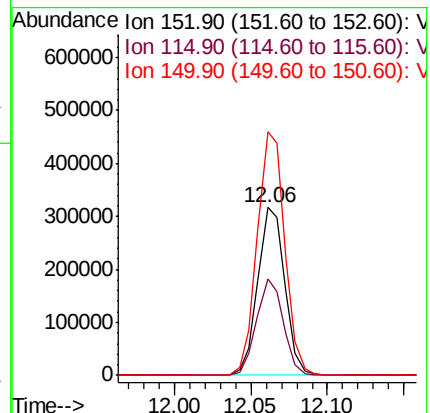
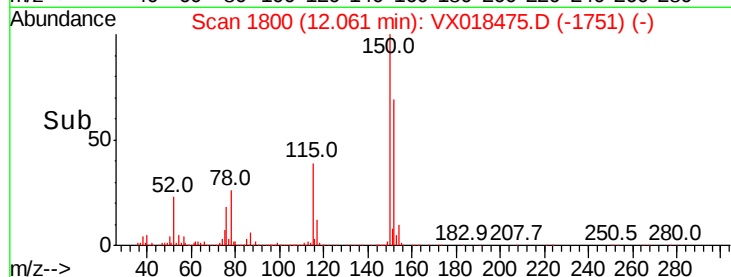
150 147.8 0.0 342.4



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: 22.588 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018475.D

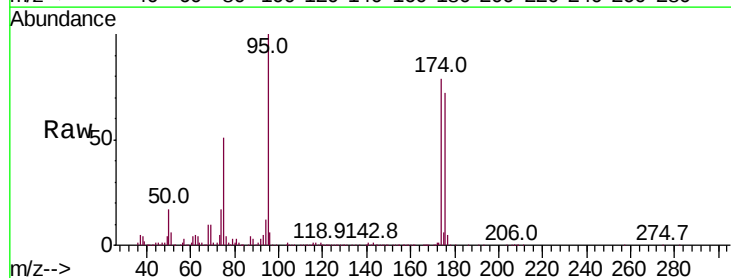
Acq: 17 Sep 2020 18:40

Tgt Ion: 75 Resp: 185400

Ion Ratio Lower Upper

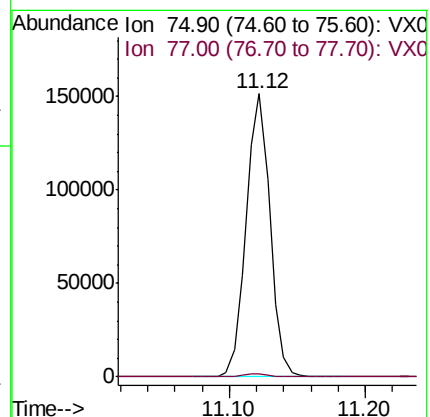
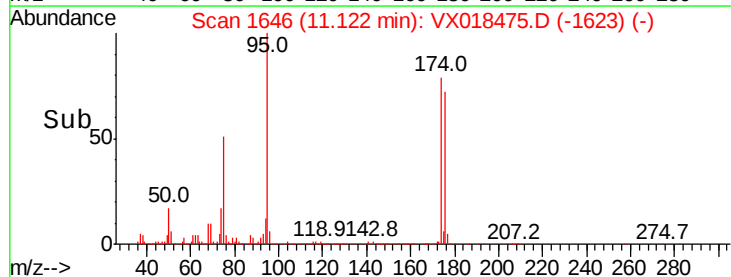
75 100

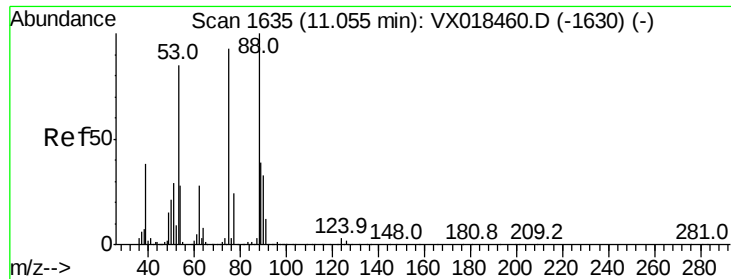
77 1.1 20.9 62.7#



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: 57.880 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018475.D

Acq: 17 Sep 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

Tot Ion: 75 Resp: 185400

Ion Ratio Lower Upper

75 100

53 0.5 74.6 111.8#

89 0.1 36.2 54.4#

