

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071620\
 Data File : VX017387.D
 Acq On : 16 Jul 2020 13:26
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 17 00:58:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	256528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	446595	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	478314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	252022	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	176914	54.95	ug/l	0.00
Spiked Amount			Recovery	=	109.90%	
35) Dibromofluoromethane	5.47	113	157710	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
50) Toluene-d8	8.70	98	560190	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	11.12	95	220739	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	

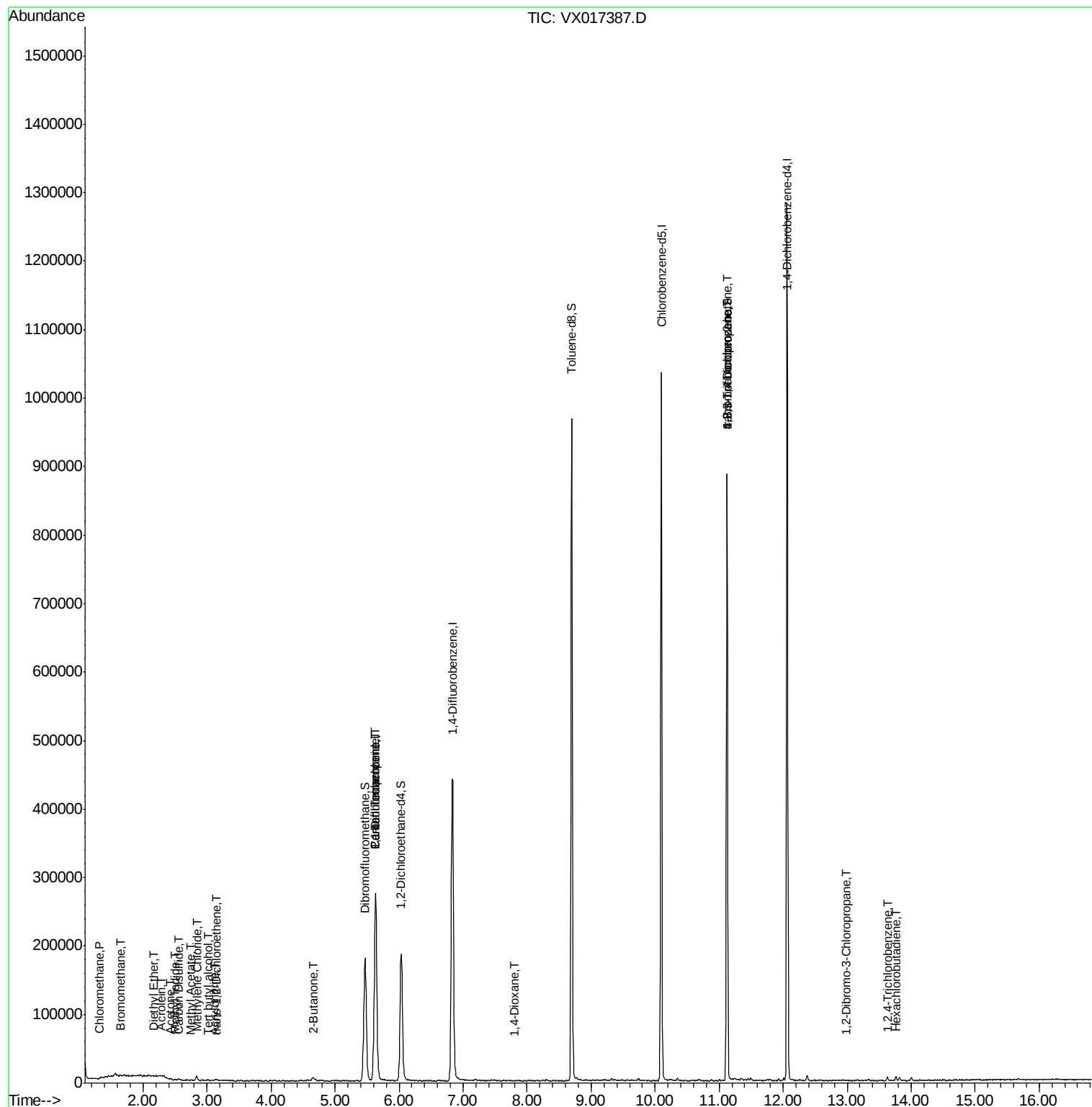
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	509	0.208	ug/l	90
5) Bromomethane	1.64	94	868	0.552	ug/l #	22
8) Diethyl Ether	2.16	74	294	0.204	ug/l	91
10) Methyl Iodide	2.50	142	804	2.623	ug/l #	86
11) Tert butyl alcohol	3.01	59	275	0.507	ug/l #	33
13) Acrolein	2.27	56	758	2.549	ug/l #	72
15) Acrylonitrile	3.12	53	833	0.633	ug/l #	56
16) Acetone	2.42	43	1395	1.214	ug/l #	60
17) Carbon Disulfide	2.55	76	2345	0.344	ug/l #	68
18) Methyl Acetate	2.75	43	571	0.201	ug/l #	82
20) Methylene Chloride	2.83	84	2877	1.027	ug/l #	79
21) trans-1,2-Dichloroethene	3.14	96	562	0.210	ug/l #	41
25) 2-Butanone	4.66	43	985	0.540	ug/l #	56
36) 1,1-Dichloropropene	5.63	75	19695	4.794	ug/l #	50
38) Carbon Tetrachloride	5.64	117	25410	5.283	ug/l #	18
49) 1,4-Dioxane	7.81	88	46	0.690	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	110366	23.699	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	110366	60.120	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.98	75	338	0.267	ug/l #	24
93) 1,2,4-Trichlorobenzene	13.63	180	1189	0.226	ug/l	91
94) Hexachlorobutadiene	13.77	225	694	0.324	ug/l	80

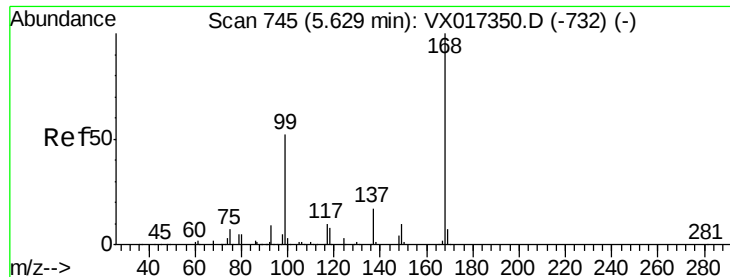
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071620\
Data File : VX017387.D
Acq On : 16 Jul 2020 13:26
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Instrument :
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ClientSampleId :
IBLK

Quant Time: Jul 17 00:58:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 14 02:59:51 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: VX017387.D

Acq: 16 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampled :

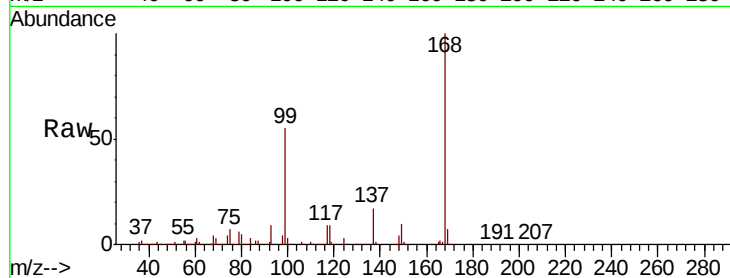
IBLK

Tot Ion:168 Resp: 256528

Ion Ratio Lower Upper

168 100

99 54.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

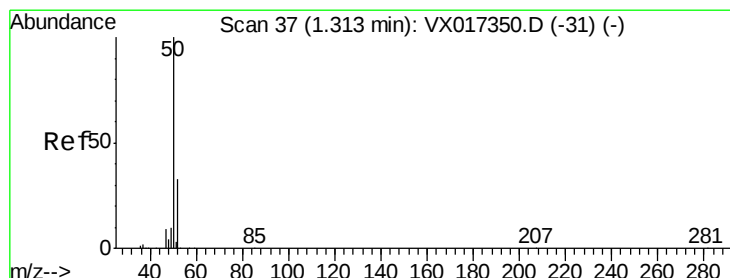
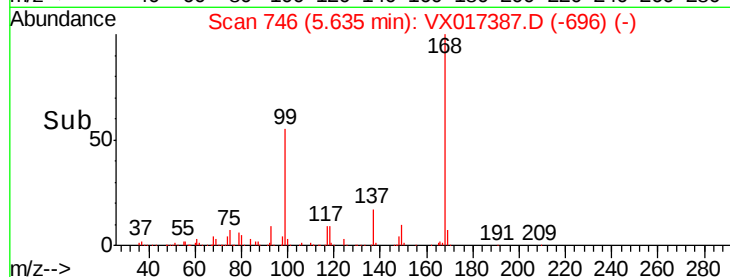
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.208 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017387.D

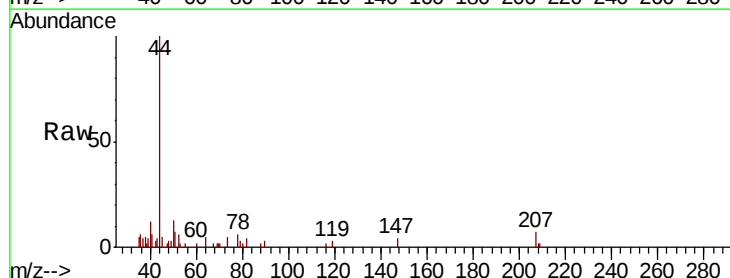
Acq: 16 Jul 2020 13:26

Tgt Ion: 50 Resp: 509

Ion Ratio Lower Upper

50 100

52 27.7 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

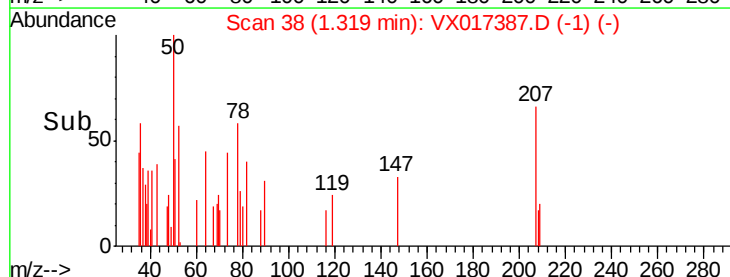
300

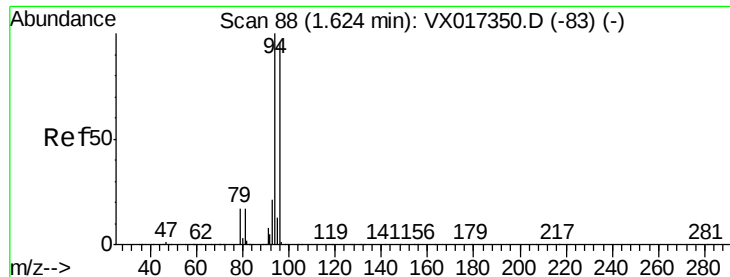
200

100

0

Time-->





#5

Bromomethane

Concen: 0.552 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017387.D

Acq: 16 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampled :

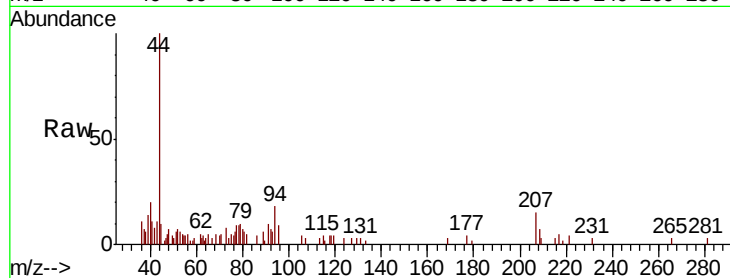
IBLK

Tot Ion: 94 Resp: 868

Ion Ratio Lower Upper

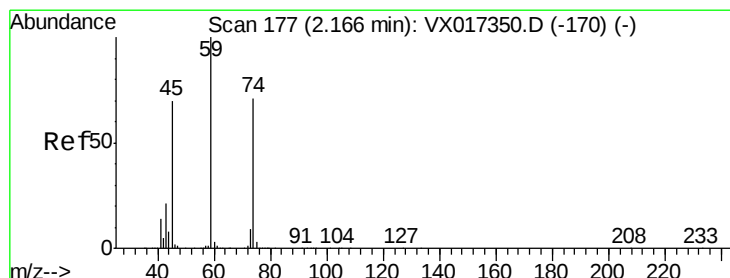
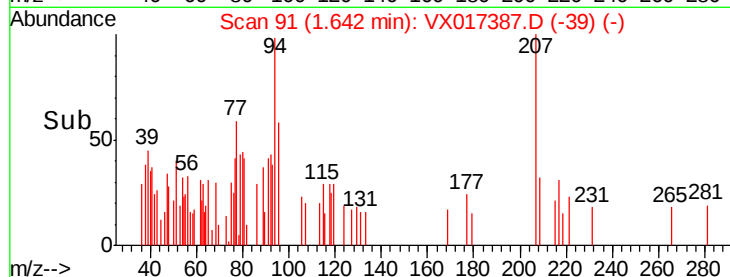
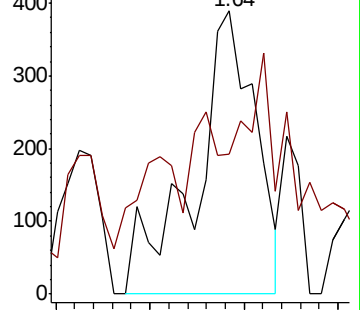
94 100

96 19.3 76.6 115.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 0.204 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017387.D

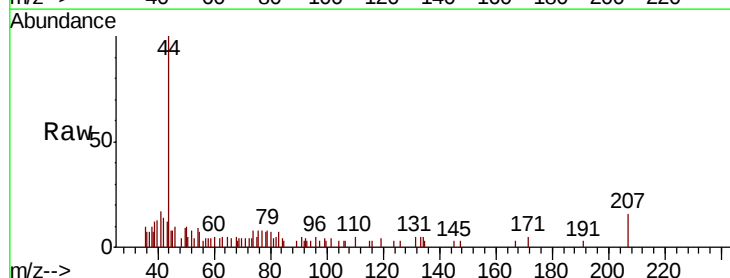
Acq: 16 Jul 2020 13:26

Tgt Ion: 74 Resp: 294

Ion Ratio Lower Upper

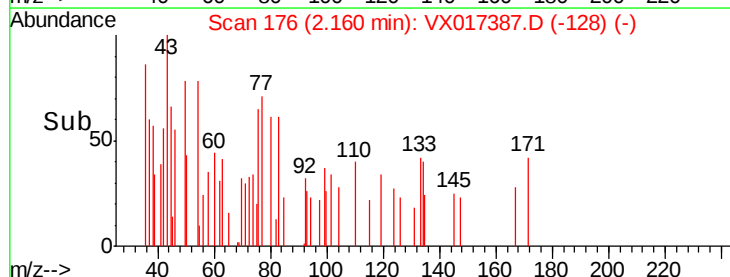
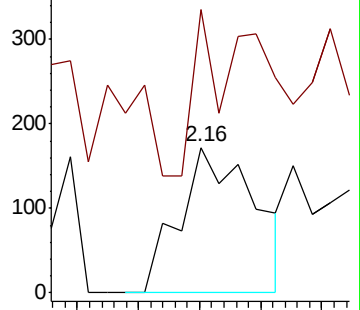
74 100

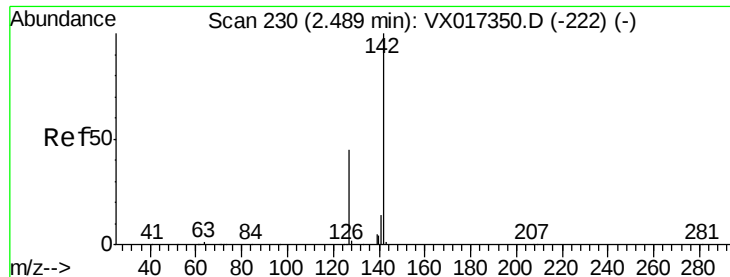
45 103.1 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

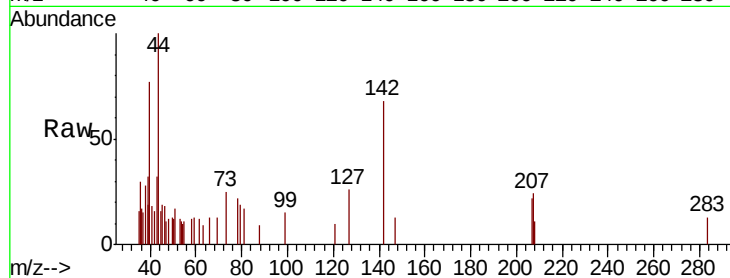




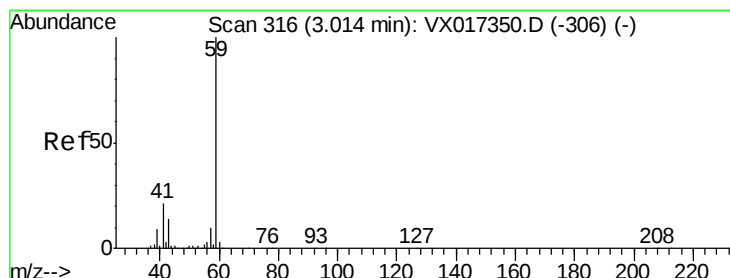
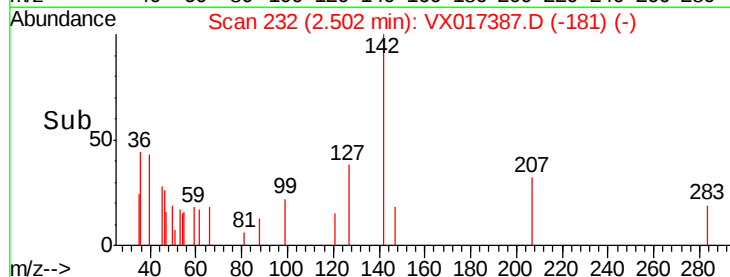
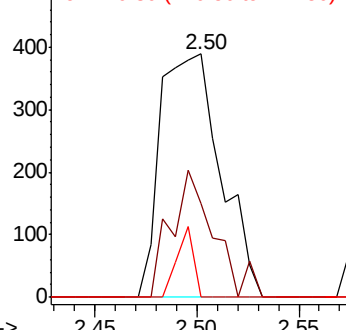
#10
Methyl Iodide
Concen: 2.623 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX017387.D
Acq: 16 Jul 2020 13:26

Instrument :
MSVOA_X
ClientSampled :
IBLK

Tot Ion:142 Resp: 804
Ion Ratio Lower Upper
142 100
127 37.3 36.8 55.2
141 7.6 11.4 17.0#

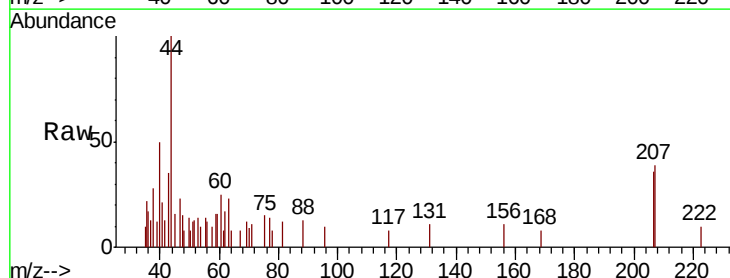


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

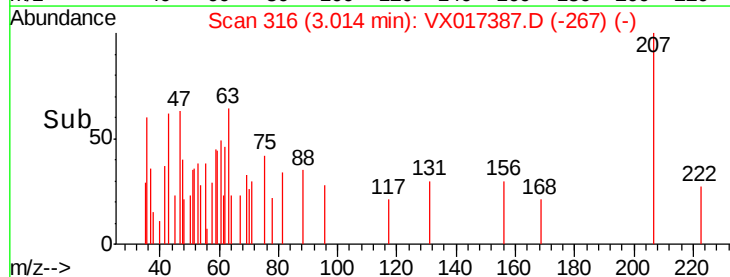
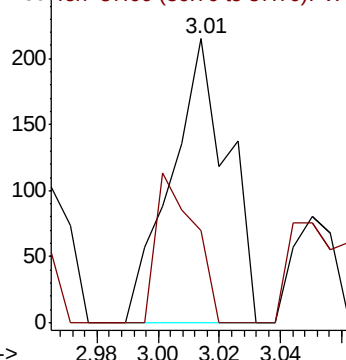


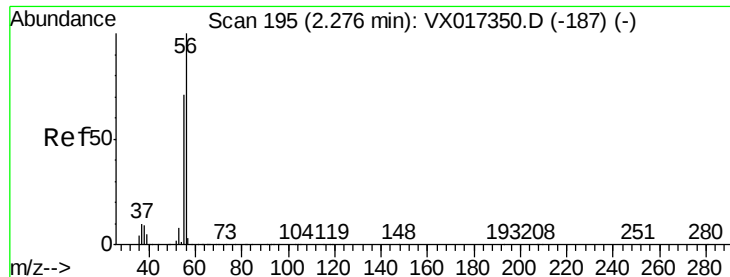
#11
Tert butyl alcohol
Concen: 0.507 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX017387.D
Acq: 16 Jul 2020 13:26

Tgt Ion: 59 Resp: 275
Ion Ratio Lower Upper
59 100
57 35.6 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 2.549 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017387.D

Acq: 16 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

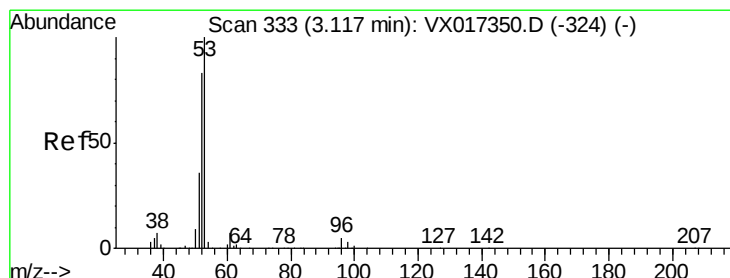
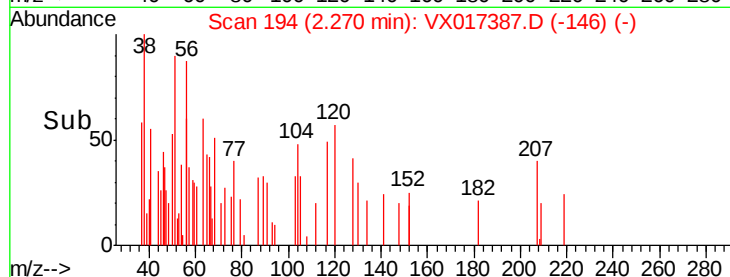
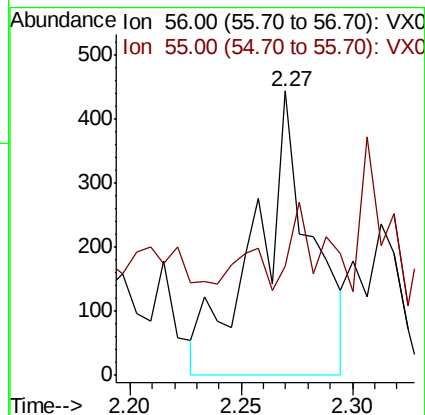
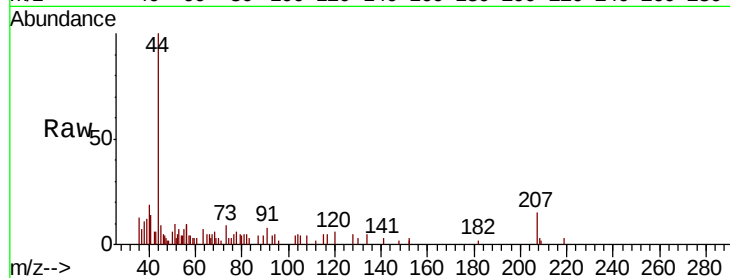
IBLK

Tot Ion: 56 Resp: 758

Ion Ratio Lower Upper

56 100

55 48.3 57.1 85.7#



#15

Acrylonitrile

Concen: 0.633 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017387.D

Acq: 16 Jul 2020 13:26

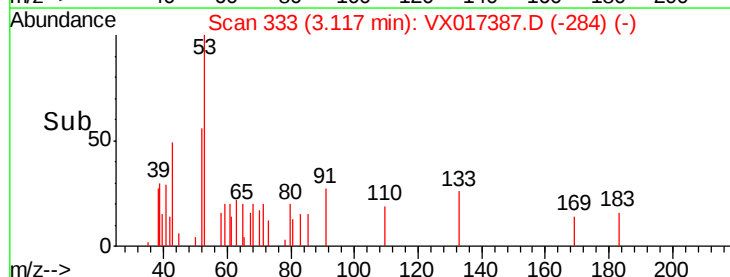
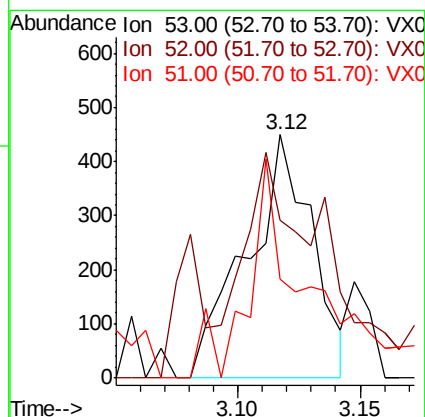
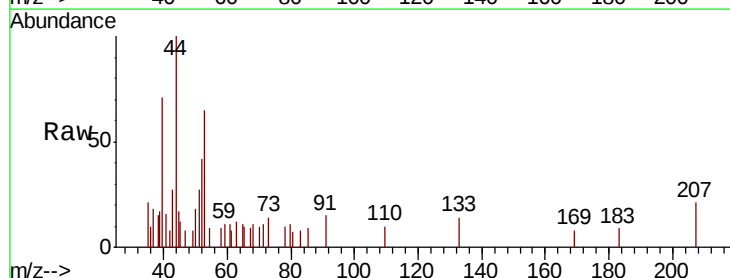
Tgt Ion: 53 Resp: 833

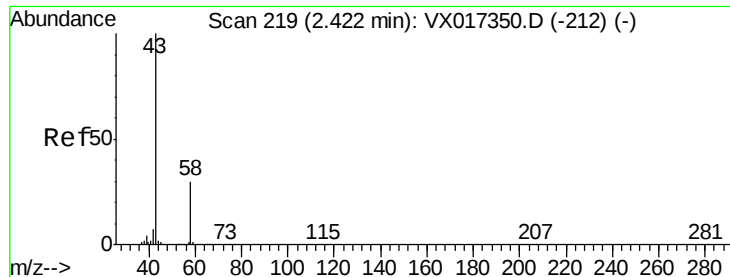
Ion Ratio Lower Upper

53 100

52 110.3 65.8 98.6#

51 78.9 29.2 43.8#





#16

Acetone

Concen: 1.214 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017387.D

Acq: 16 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampled :

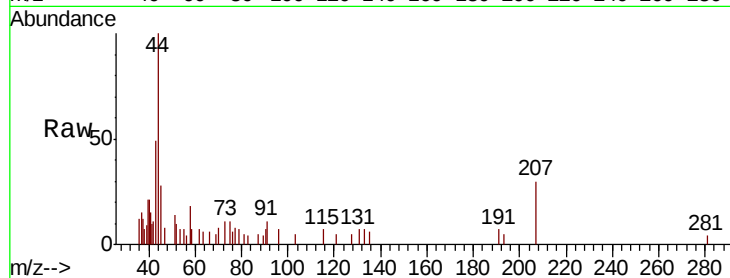
IBLK

Tot Ion: 43 Resp: 1395

Ion Ratio Lower Upper

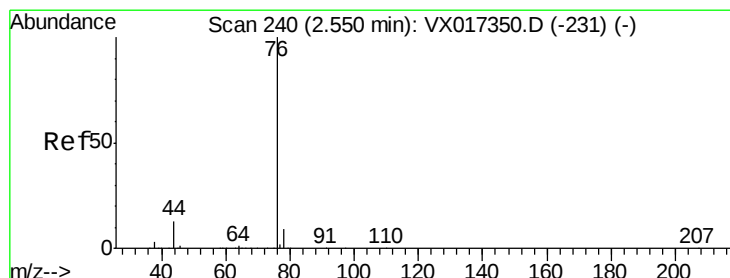
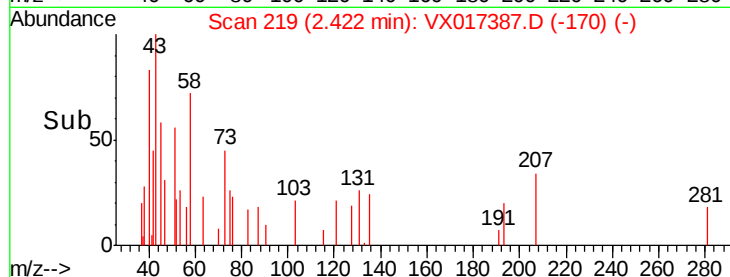
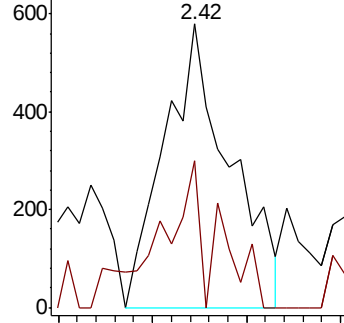
43 100

58 52.0 24.2 36.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.344 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017387.D

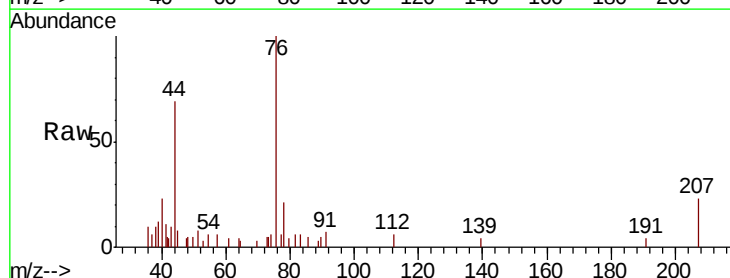
Acq: 16 Jul 2020 13:26

Tgt Ion: 76 Resp: 2345

Ion Ratio Lower Upper

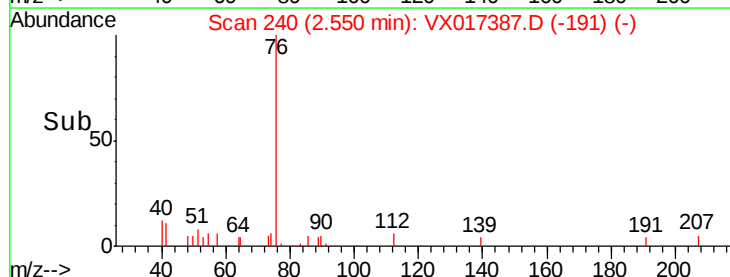
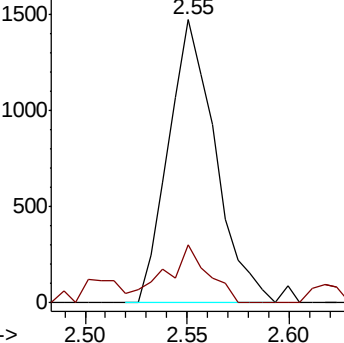
76 100

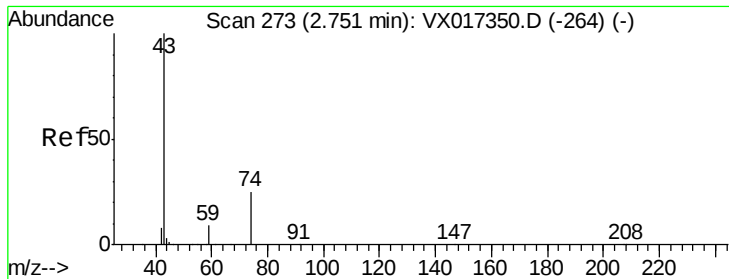
78 20.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

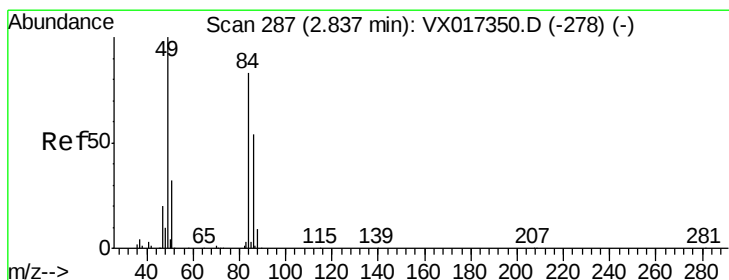
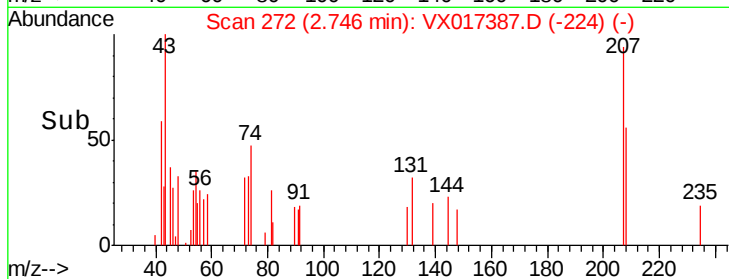
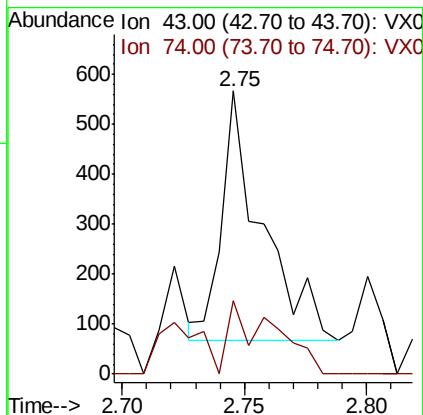
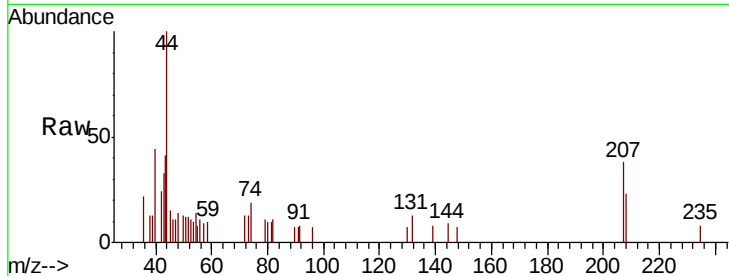




#18
Methvl Acetate
Concen: 0.201 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017387.D
Acq: 16 Jul 2020 13:26

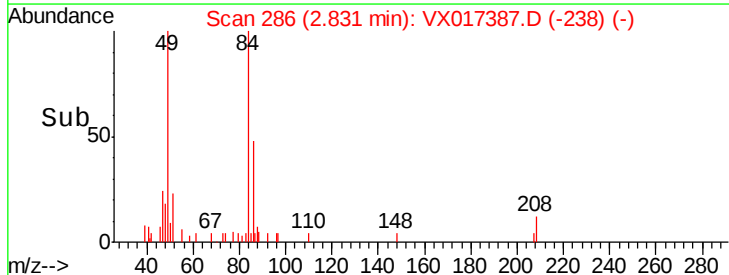
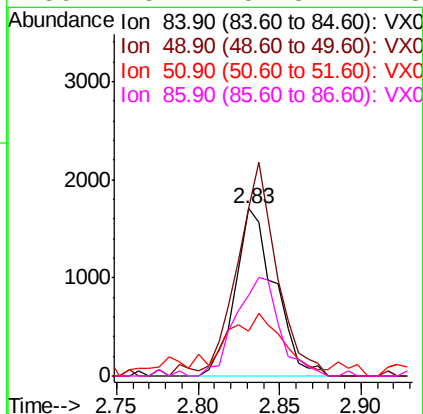
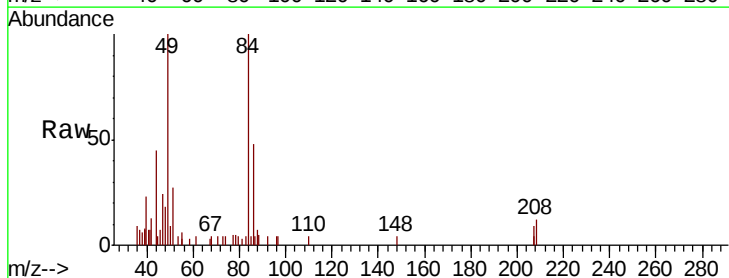
Instrument :
MSVOA_X
ClientSampled :
IBLK

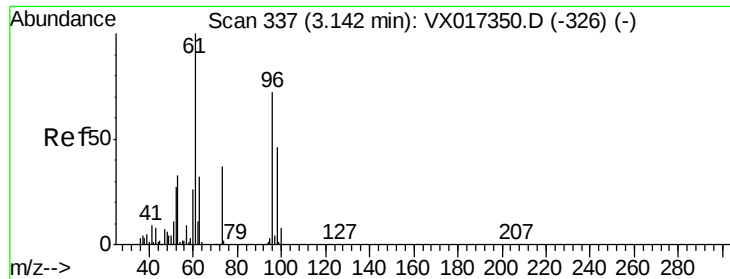
Tot Ion: 43 Resp: 571
Ion Ratio Lower Upper
43 100
74 33.5 19.4 29.2#



#20
Methylene Chloride
Concen: 1.027 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017387.D
Acq: 16 Jul 2020 13:26

Tgt Ion: 84 Resp: 2877
Ion Ratio Lower Upper
84 100
49 100.1 95.8 143.8
51 21.6 31.0 46.4#
86 48.1 51.8 77.8#





#21

trans-1,2-Dichloroethene

Concen: 0.210 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017387.D

Acq: 16 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampled :

IBLK

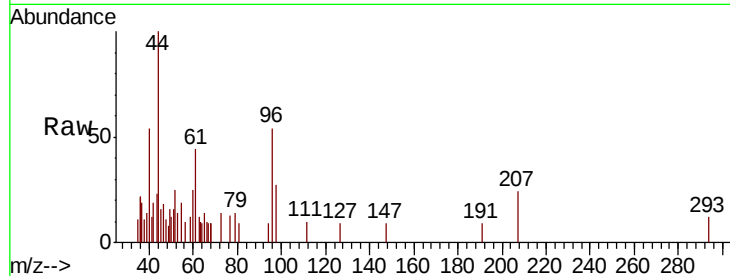
Tot Ion: 96 Resp: 562

Ion Ratio Lower Upper

96 100

61 43.4 111.1 166.7#

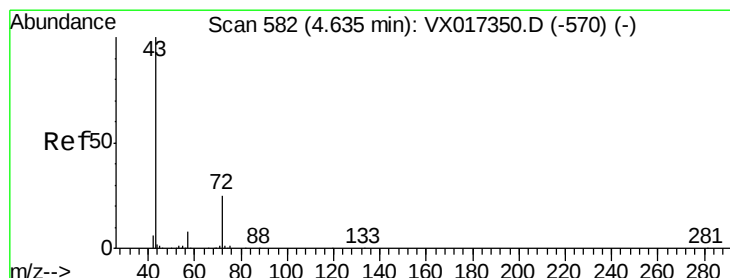
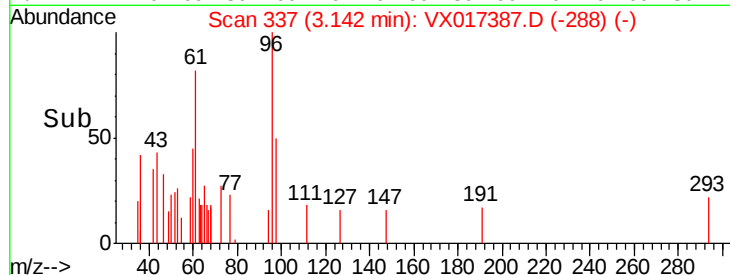
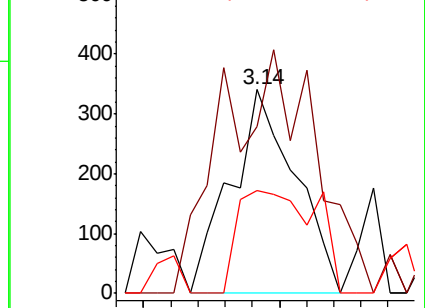
98 50.4 51.4 77.0#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.540 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX017387.D

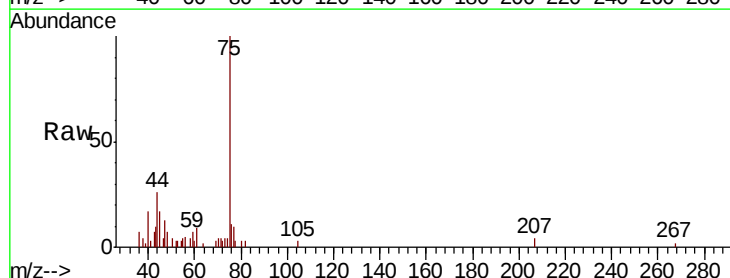
Acq: 16 Jul 2020 13:26

Tgt Ion: 43 Resp: 985

Ion Ratio Lower Upper

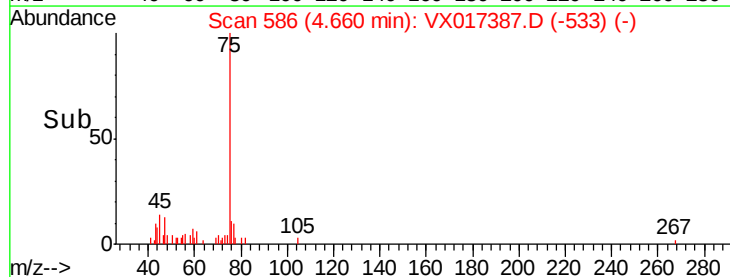
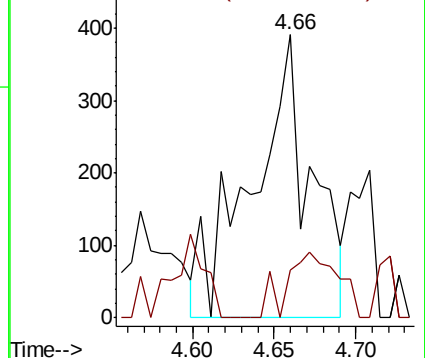
43 100

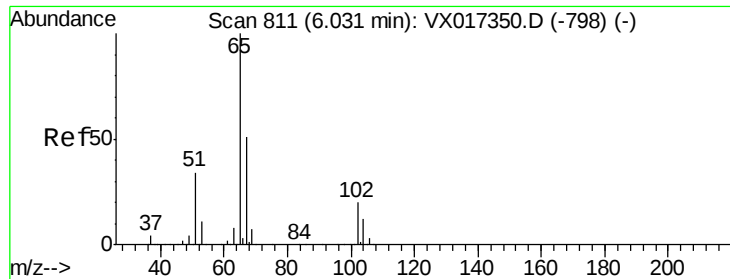
72 3.2 20.4 30.6#



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: 54.948 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017387.D

Acq: 16 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

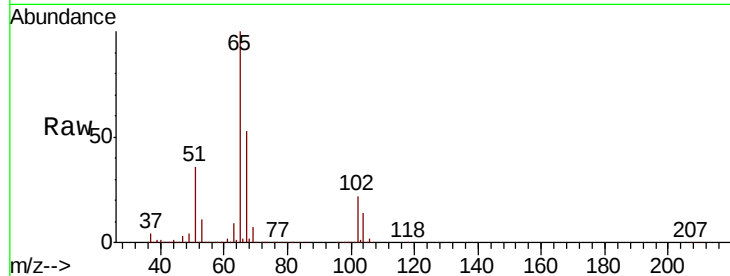
IBLK

Tot Ion: 65 Resp: 176914

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

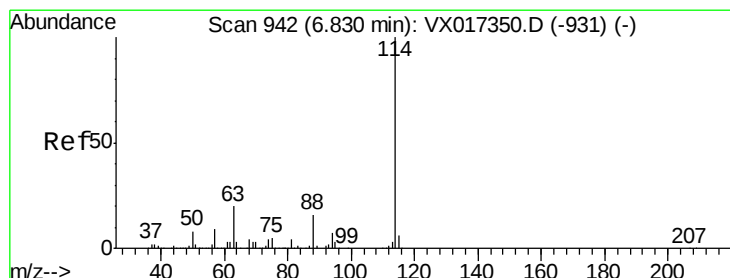
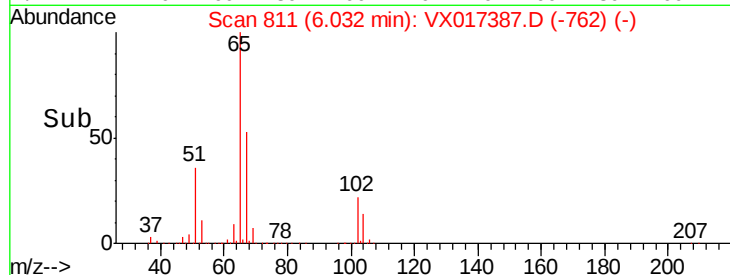
40000

20000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017387.D

Acq: 16 Jul 2020 13:26

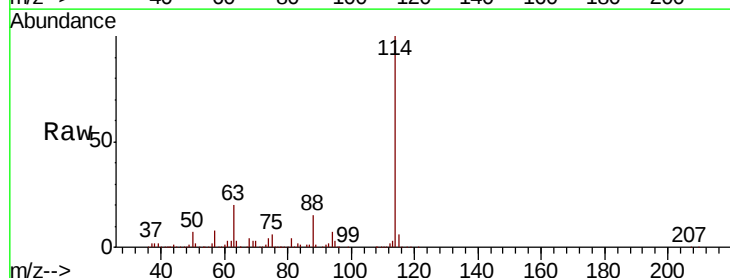
Tgt Ion: 114 Resp: 446595

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 15.5 0.0 32.8



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

250000

200000

150000

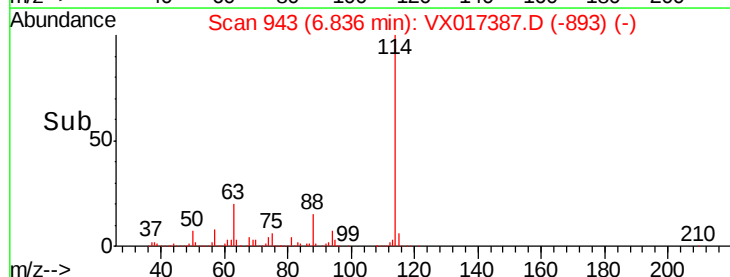
100000

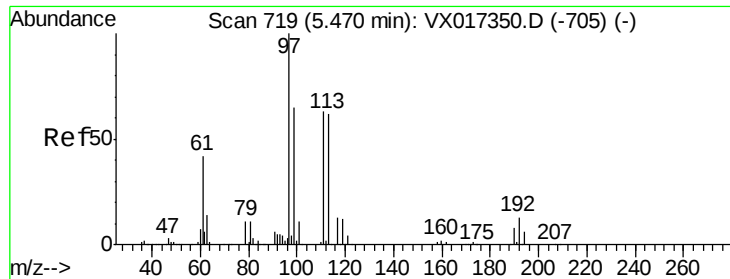
50000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 52.424 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017387.D

Acq: 16 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

IBLK

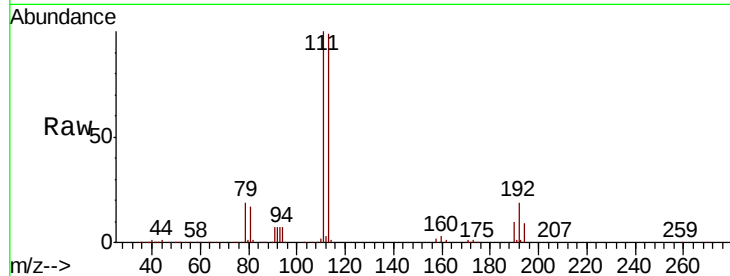
Tot Ion:113 Resp: 157710

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

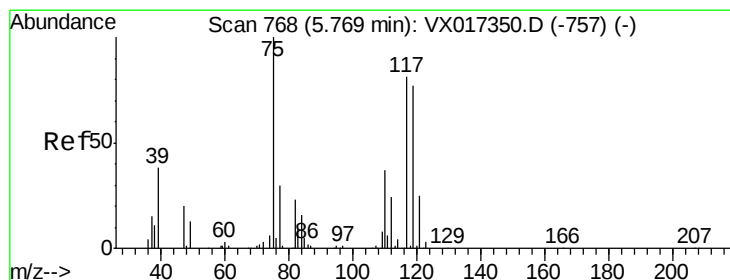
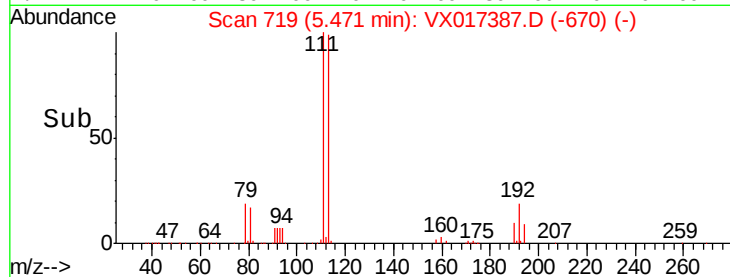
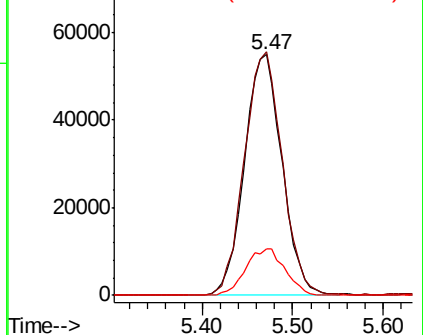
192 20.3 17.2 25.8



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: 4.794 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017387.D

Acq: 16 Jul 2020 13:26

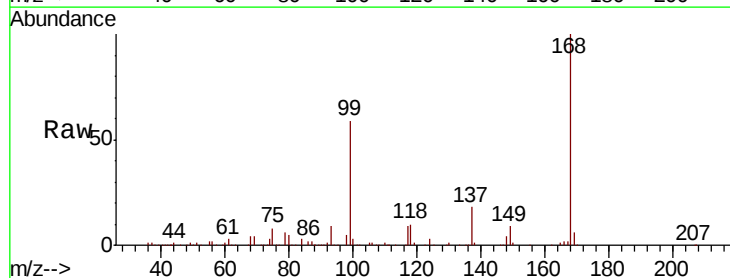
Tgt Ion: 75 Resp: 19695

Ion Ratio Lower Upper

75 100

110 9.7 18.6 55.8#

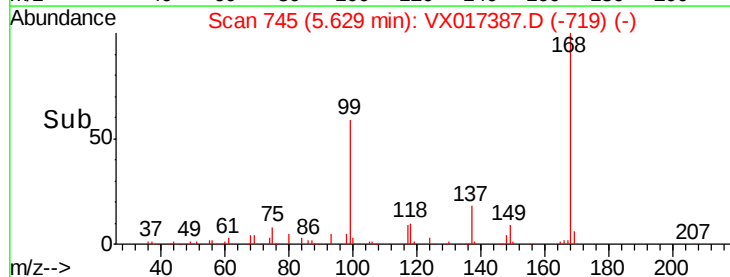
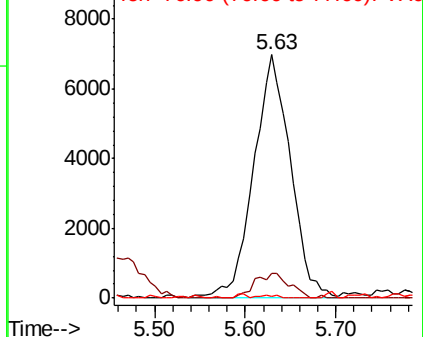
77 0.7 24.9 37.3#

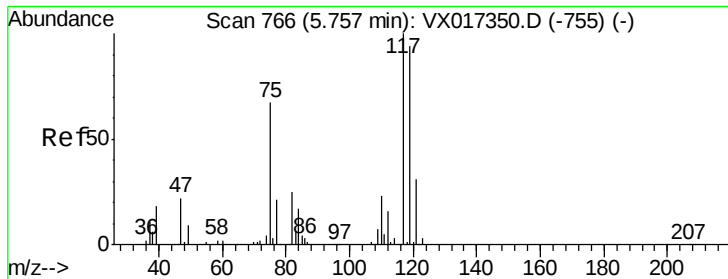


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.283 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017387.D

Acq: 16 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

IBLK

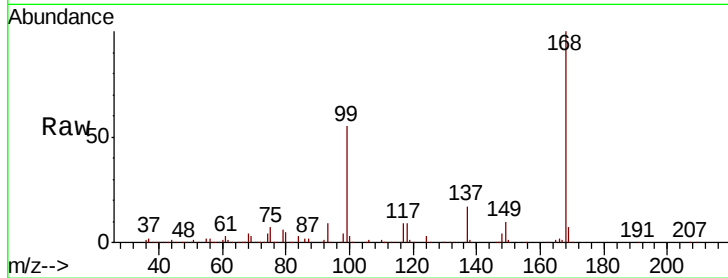
Tot Ion:117 Resp: 25410

Ion Ratio Lower Upper

117 100

119 6.5 74.7 112.1#

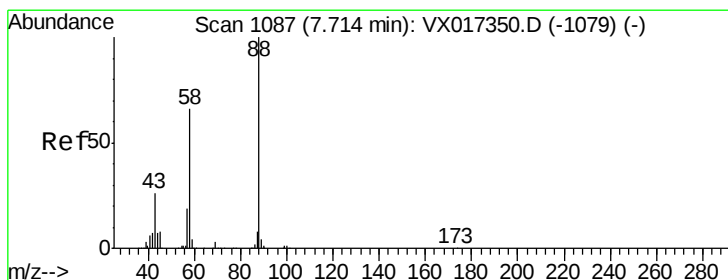
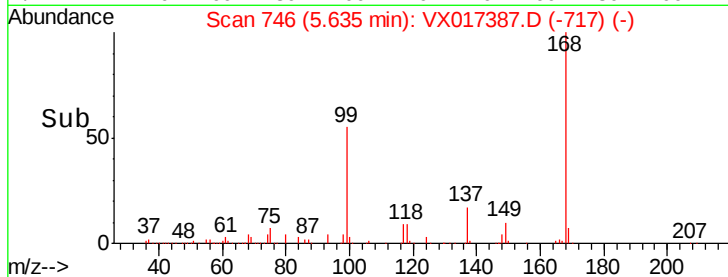
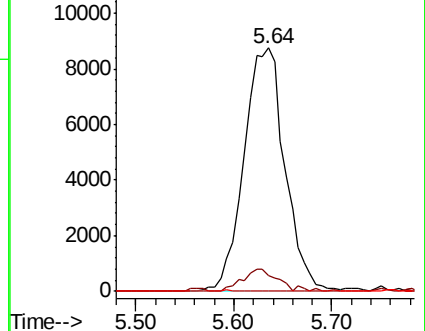
121 0.0 24.5 36.7#



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: 0.690 ug/l

RT: 7.81 min Scan# 1103

Delta R.T. 0.10 min

Lab File: VX017387.D

Acq: 16 Jul 2020 13:26

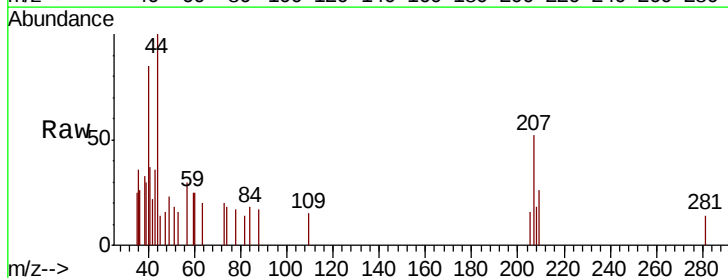
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 708.7 25.6 38.4#

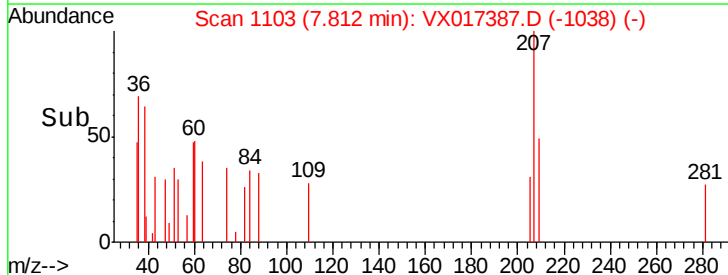
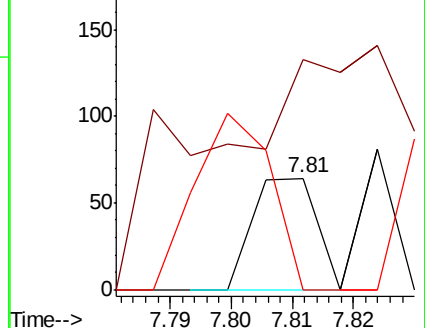
58 110.9 53.9 80.9#

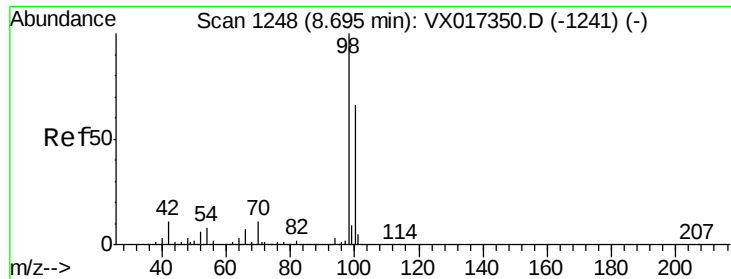


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

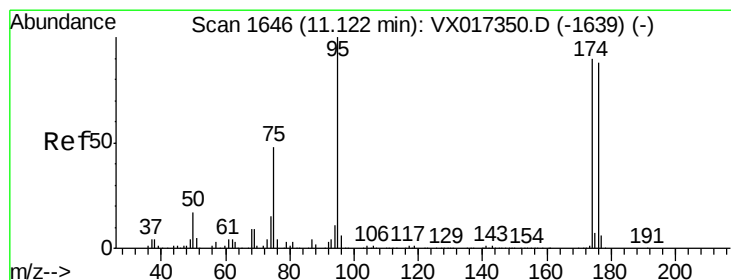
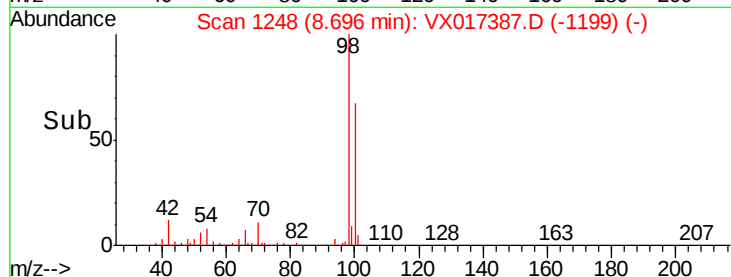
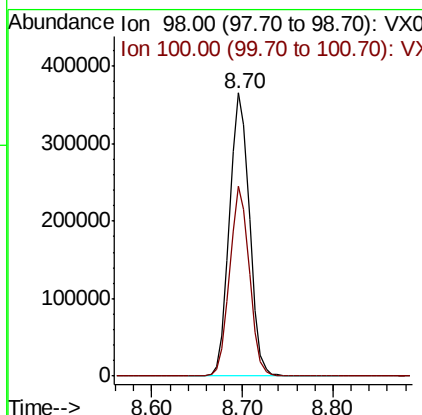
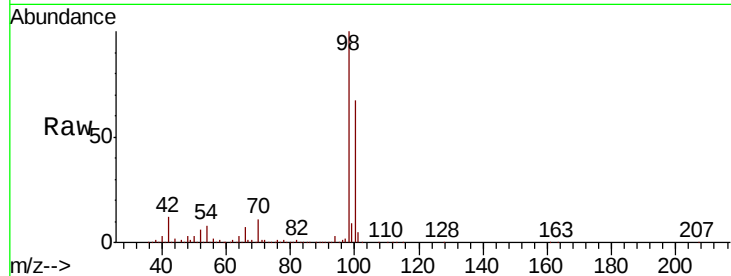




#50
Toluene-d8
Concen: 51.623 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017387.D
Acq: 16 Jul 2020 13:26

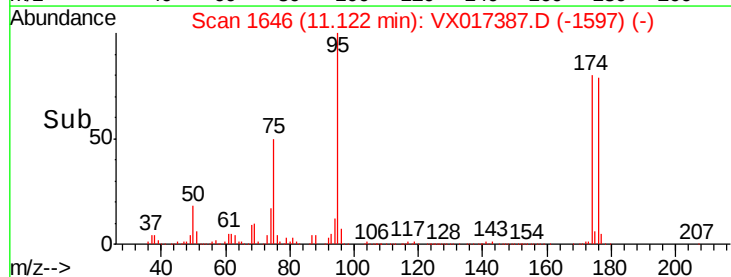
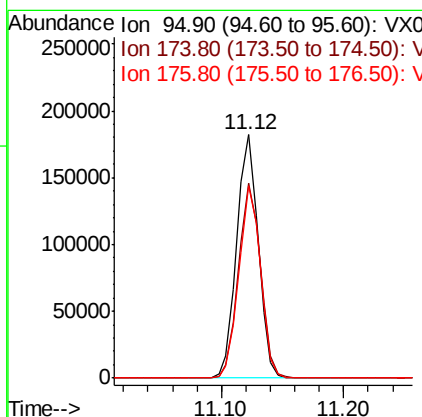
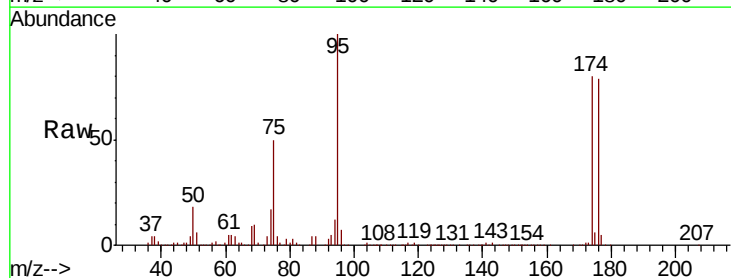
Instrument :
MSVOA_X
ClientSampleId :
IBLK

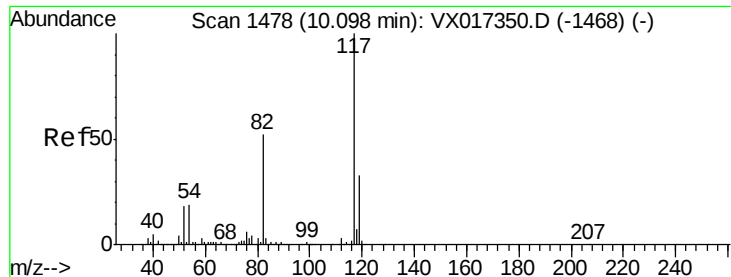
Tot Ion: 98 Resp: 560190
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 51.211 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX017387.D
Acq: 16 Jul 2020 13:26

Tgt Ion: 95 Resp: 220739
Ion Ratio Lower Upper
95 100
174 82.0 0.0 175.8
176 79.3 0.0 164.6

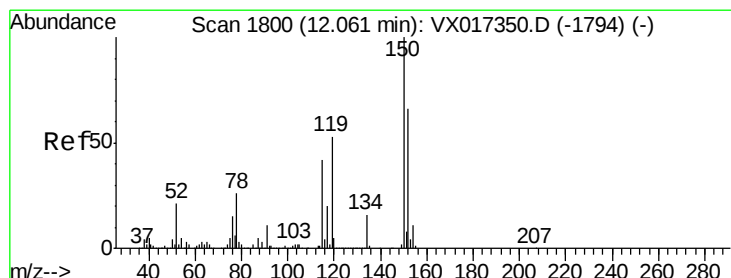
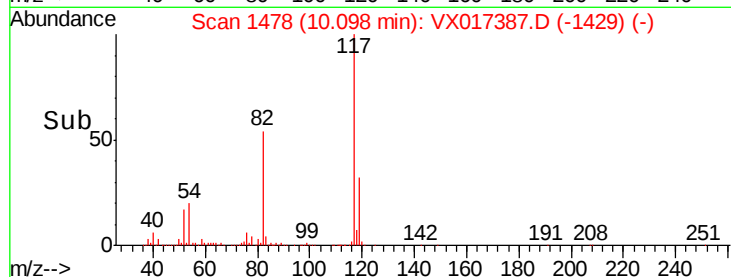
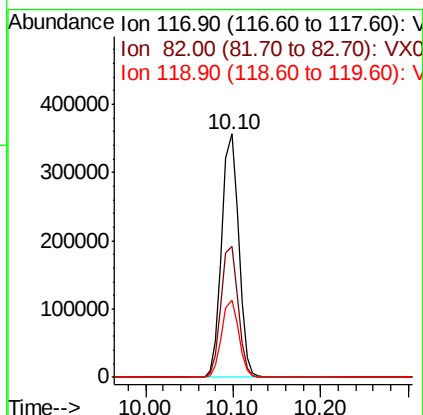
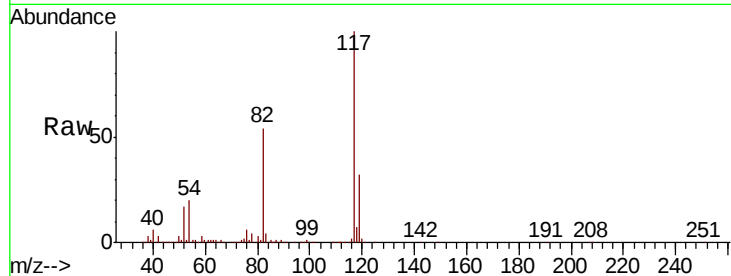




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017387.D
Acq: 16 Jul 2020 13:26

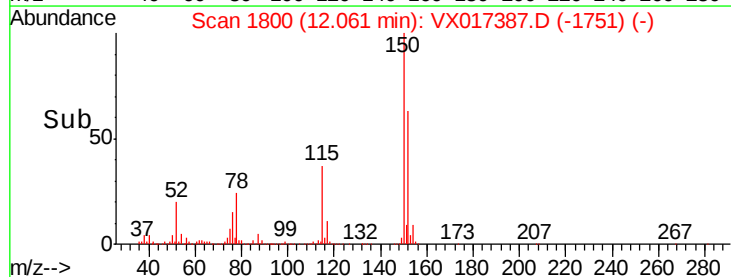
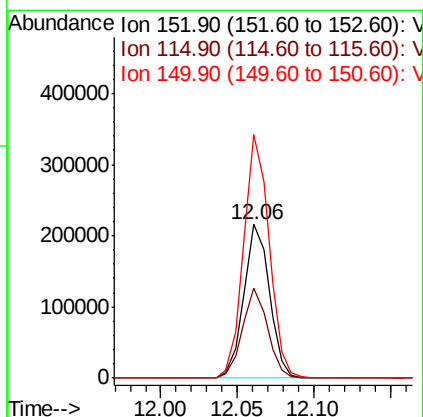
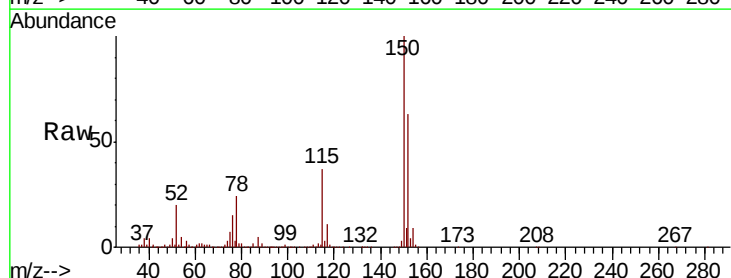
Instrument :
MSVOA_X
ClientSampleId :
IBLK

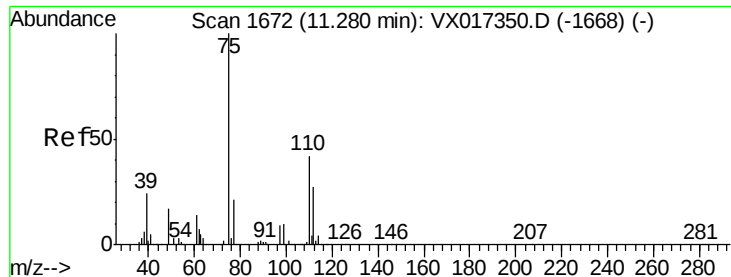
Tot Ion:117 Resp: 478314
Ion Ratio Lower Upper
117 100
82 53.9 42.0 63.0
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017387.D
Acq: 16 Jul 2020 13:26

Tgt Ion:152 Resp: 252022
Ion Ratio Lower Upper
152 100
115 57.4 39.9 119.7
150 157.5 0.0 343.4

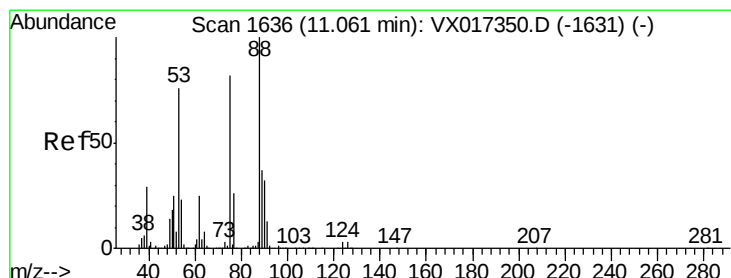
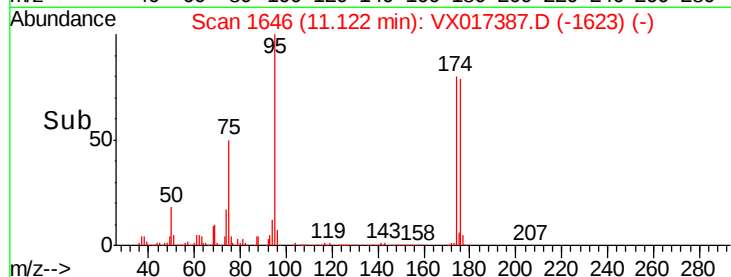
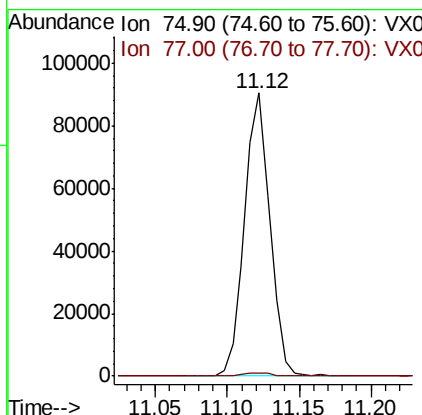
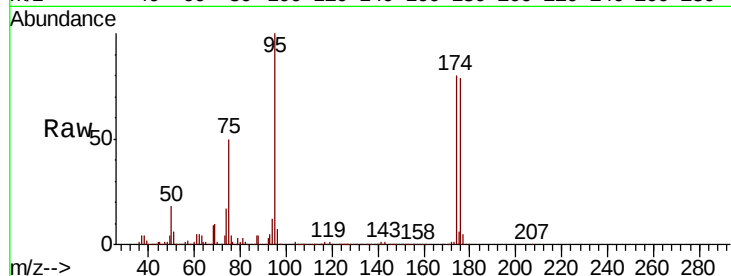




#76
 1,2,3-Trichloropropane
 Concen: 23.699 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017387.D
 Acq: 16 Jul 2020 13:26

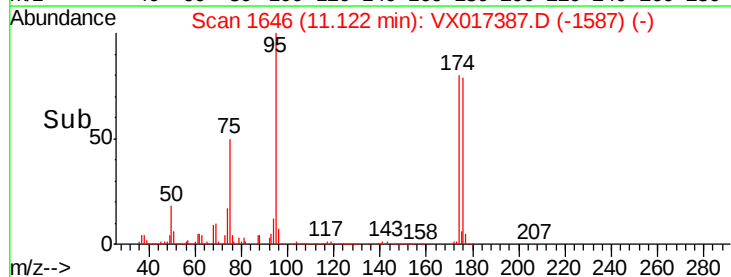
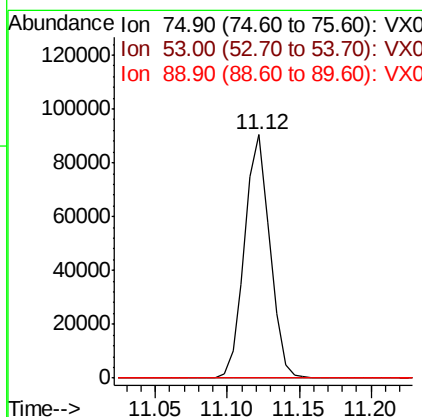
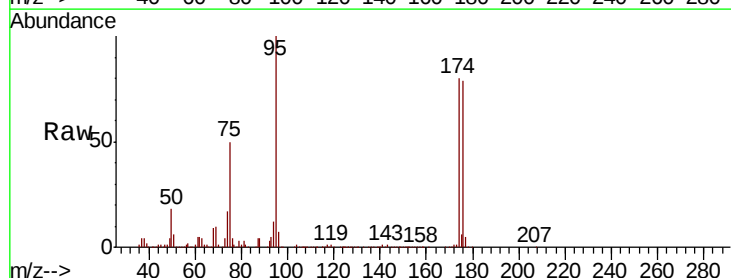
Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

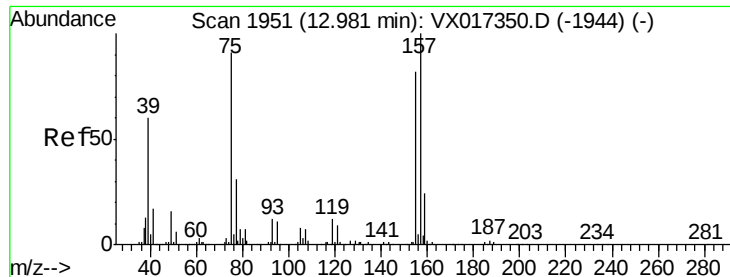
Tot Ion: 75 Resp: 110366
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.3 60.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.120 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017387.D
 Acq: 16 Jul 2020 13:26

Tgt Ion: 75 Resp: 110366
 Ion Ratio Lower Upper
 75 100
 53 0.6 76.5 114.7#
 89 0.0 38.1 57.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.267 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017387.D

Acq: 16 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampled :

IBLK

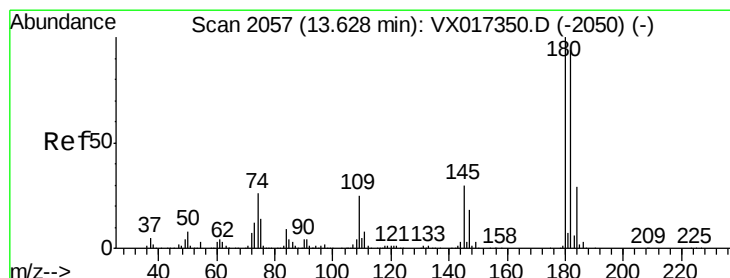
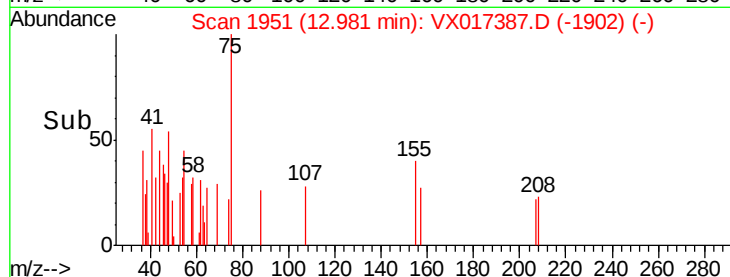
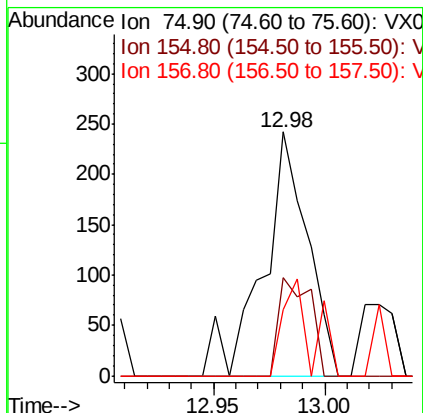
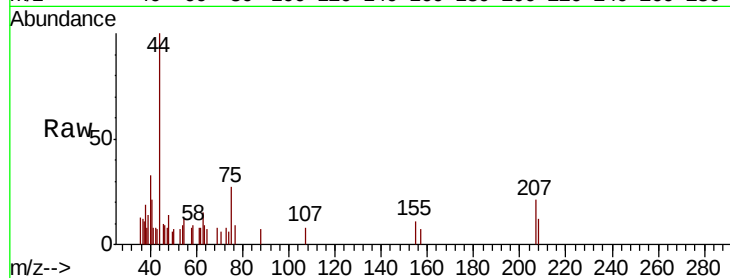
Tot Ion: 75 Resp: 338

Ion Ratio Lower Upper

75 100

155 28.1 46.5 139.3#

157 25.7 58.0 173.9#



#93

1,2,4-Trichlorobenzene

Concen: 0.226 ug/l

RT: 13.63 min Scan# 2058

Delta R.T. 0.01 min

Lab File: VX017387.D

Acq: 16 Jul 2020 13:26

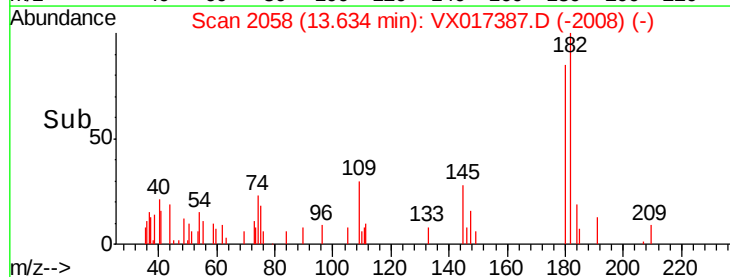
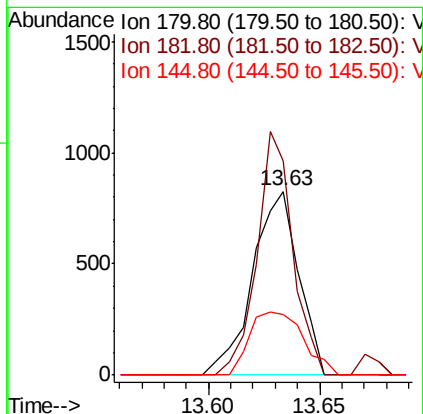
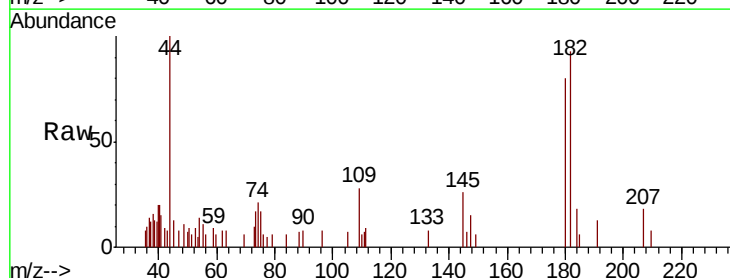
Tgt Ion: 180 Resp: 1189

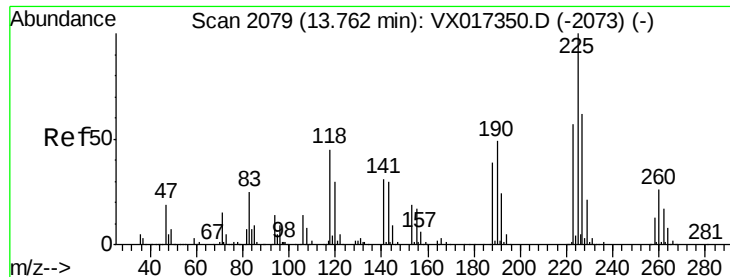
Ion Ratio Lower Upper

180 100

182 102.6 48.4 145.0

145 40.3 15.3 45.8





#94

Hexachlorobutadiene

Concen: 0.324 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX017387.D

Acq: 16 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

IBLK

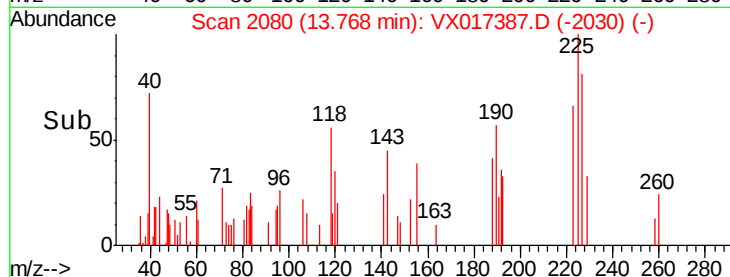
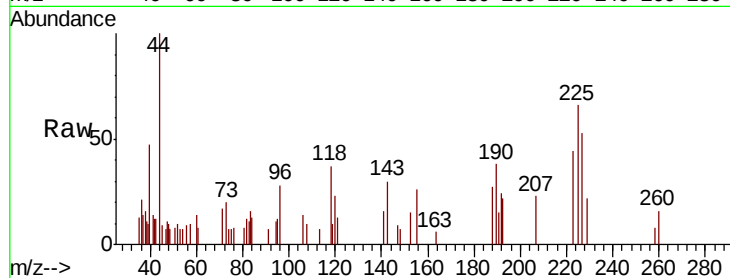
Tot Ion:225 Resp: 694

Ion Ratio Lower Upper

225 100

223 74.9 31.3 93.8

227 82.4 31.6 95.0



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

