

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\
 Data File : VX017027.D
 Acq On : 29 Jun 2020 23:05
 Operator : JC/SP
 Sample : L3147-03 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 12BR-20200626

Quant Time: Jun 30 05:34:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	247221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	428049	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	443471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	231598	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	159293	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
35) Dibromofluoromethane	5.47	113	137175	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	8.70	98	524207	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
62) 4-Bromofluorobenzene	11.12	95	222016	56.72	ug/l	0.00
Spiked Amount			Recovery	=	113.44%	

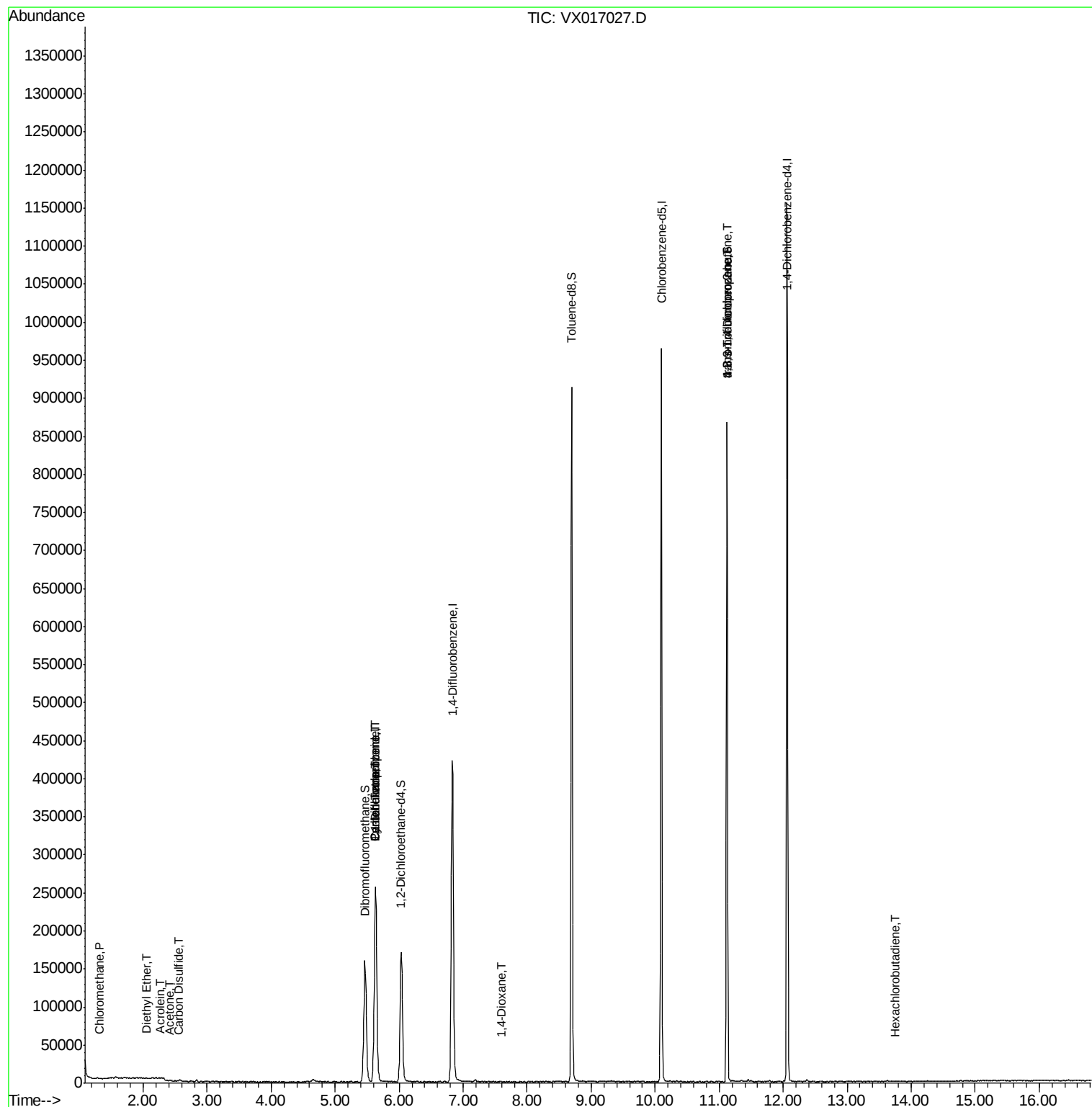
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	655	0.226	ug/l #	43
8) Diethyl Ether	2.04	74	33	0.390	ug/l	75
13) Acrolein	2.27	56	364	1.047	ug/l	90
16) Acetone	2.42	43	1205	1.057	ug/l	90
17) Carbon Disulfide	2.55	76	1326	0.217	ug/l #	88
20) Methylene Chloride	2.84	84	861	Below Cal	#	81
31) Cyclohexane	5.62	56	4843	1.177	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	17794	4.398	ug/l #	41
38) Carbon Tetrachloride	5.63	117	24258	5.444	ug/l #	18
44) Trichloroethene	7.19	130	679	Below Cal		97
49) 1,4-Dioxane	7.60	88	40	0.545	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	108736	23.876	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	108736	61.830	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	468	Below Cal		99
94) Hexachlorobutadiene	13.76	225	67	0.880	ug/l #	9

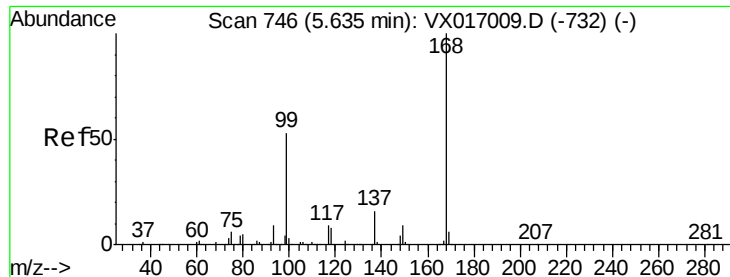
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017027.D

Acq: 29 Jun 2020 23:05

Instrument :

MSVOA_X

ClientSampleId :

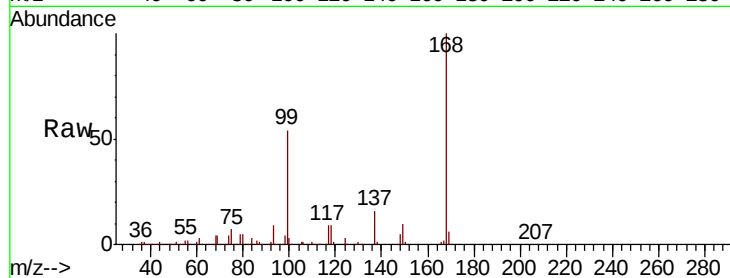
12BR-20200626

Tot Ion:168 Resp: 247221

Ion Ratio Lower Upper

168 100

99 53.9 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

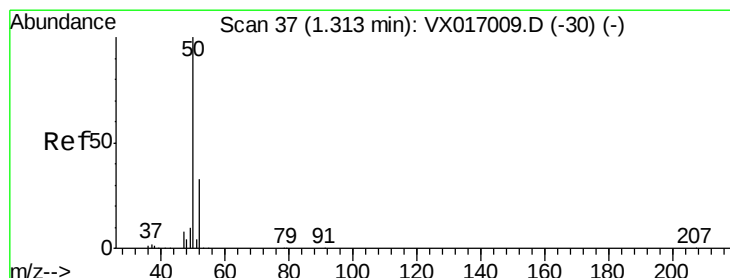
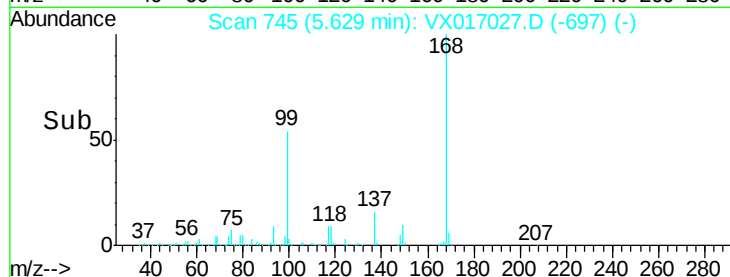
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.226 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017027.D

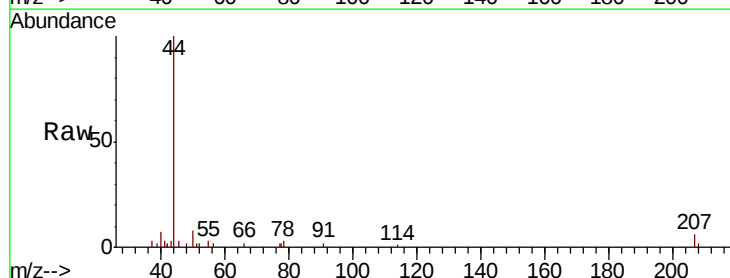
Acq: 29 Jun 2020 23:05

Tgt Ion: 50 Resp: 655

Ion Ratio Lower Upper

50 100

52 0.3 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

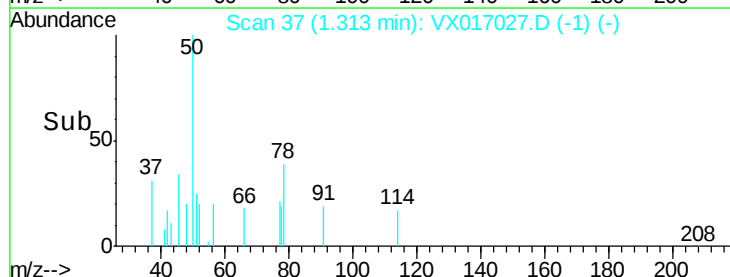
300

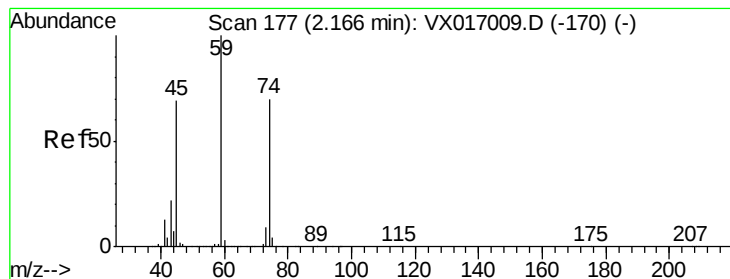
200

100

0

Time-->





#8

Diethyl Ether

Concen: 0.390 ug/l

RT: 2.04 min Scan# 157

Delta R.T. -0.12 min

Lab File: VX017027.D

Acq: 29 Jun 2020 23:05

Instrument :

MSVOA_X

ClientSampleId :

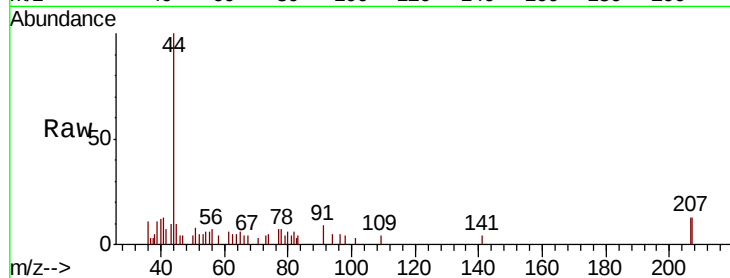
12BR-20200626

Tot Ion: 74 Resp: 33

Ion Ratio Lower Upper

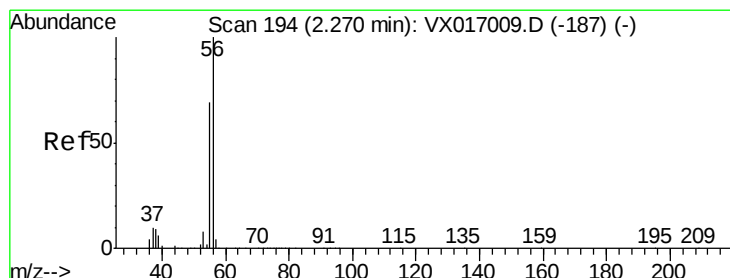
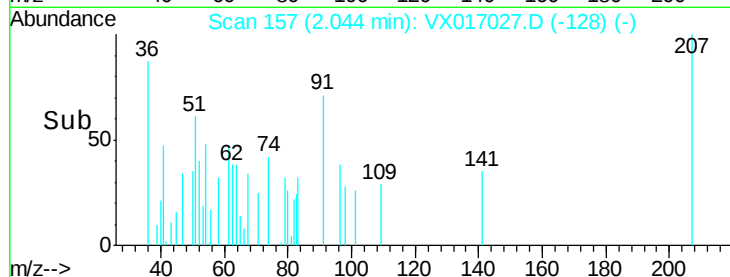
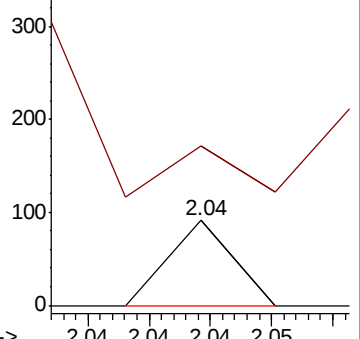
74 100

45 124.2 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#13

Acrolein

Concen: 1.047 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017027.D

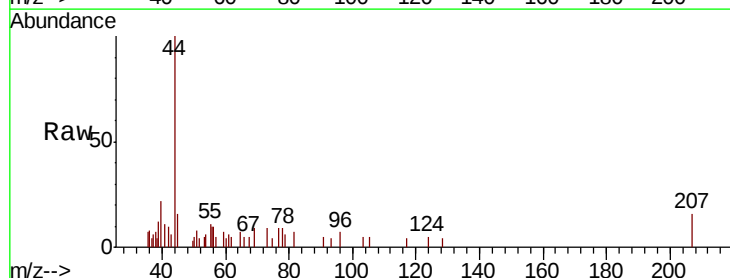
Acq: 29 Jun 2020 23:05

Tgt Ion: 56 Resp: 364

Ion Ratio Lower Upper

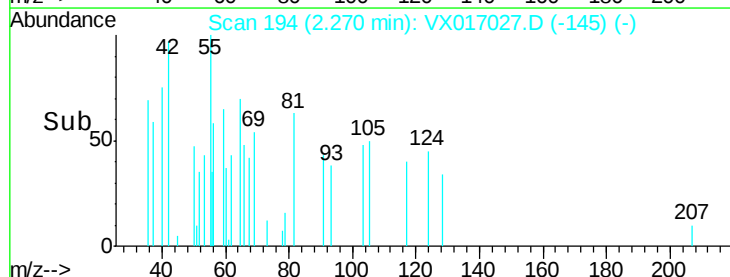
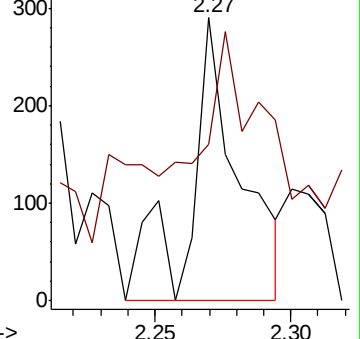
56 100

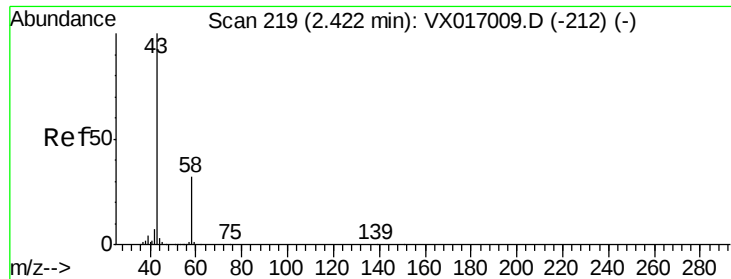
55 61.8 55.7 83.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.057 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017027.D

Acq: 29 Jun 2020 23:05

Instrument :

MSVOA_X

ClientSampleId :

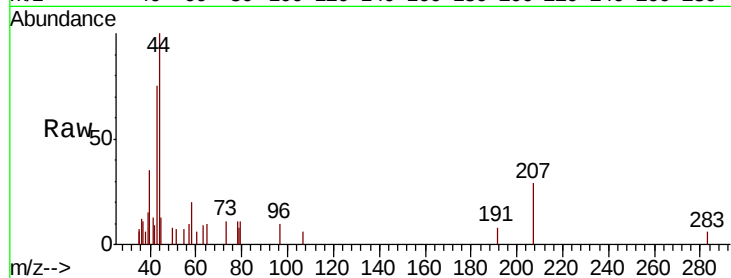
12BR-20200626

Tot Ion: 43 Resp: 1205

Ion Ratio Lower Upper

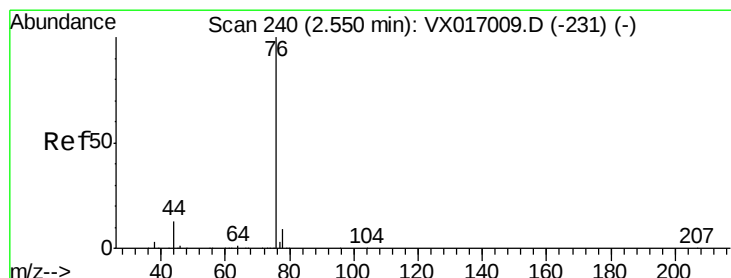
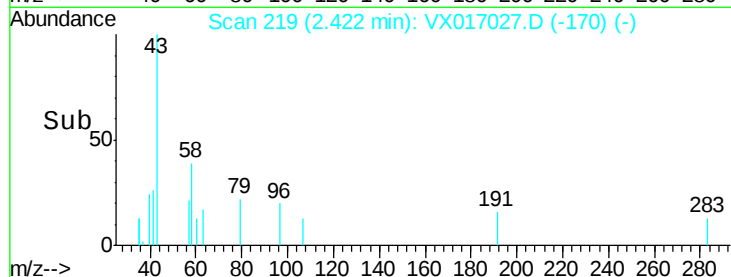
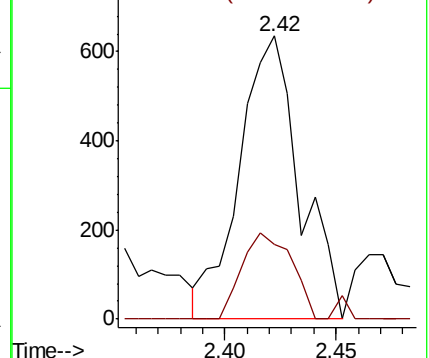
43 100

58 26.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.217 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017027.D

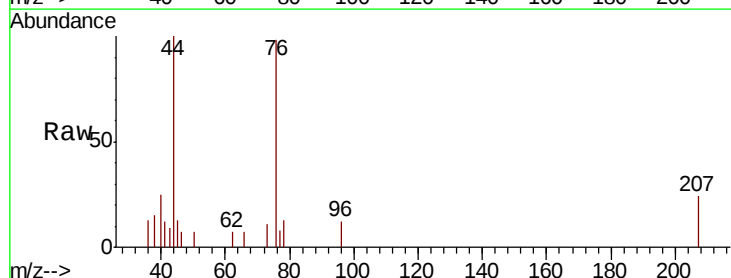
Acq: 29 Jun 2020 23:05

Tgt Ion: 76 Resp: 1326

Ion Ratio Lower Upper

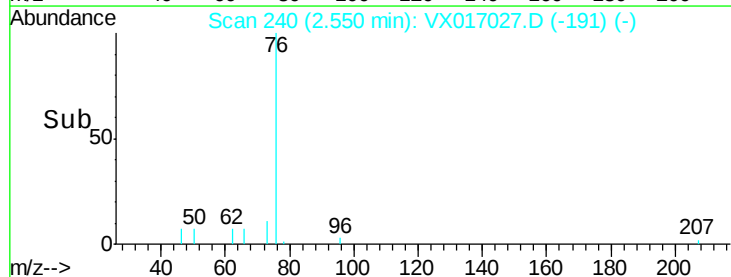
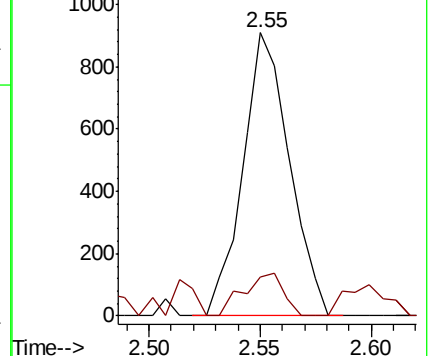
76 100

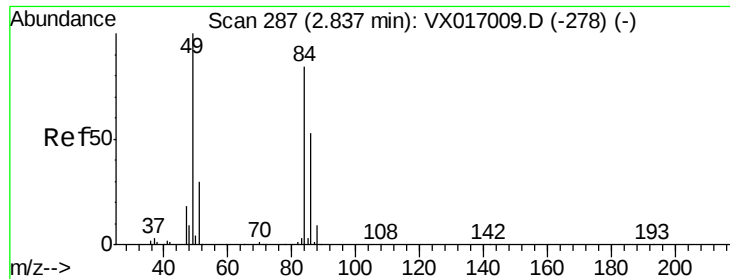
78 4.8 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



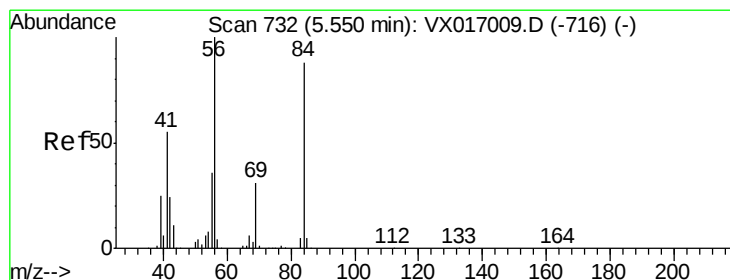
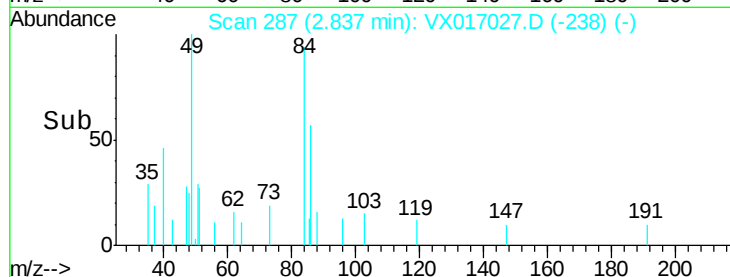
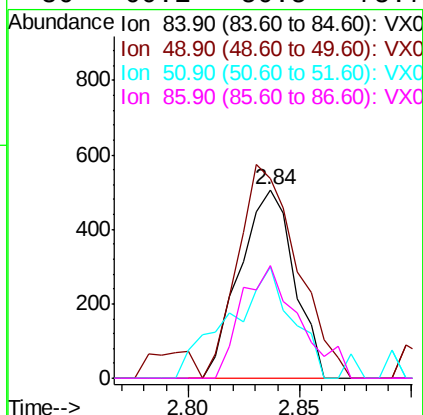
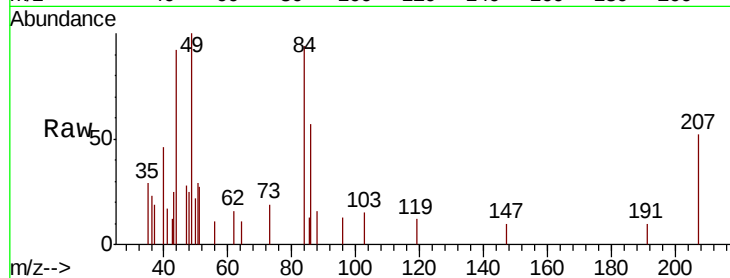


#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017027.D
Acq: 29 Jun 2020 23:05

Instrument :
MSVOA_X
ClientSampleId :
12BR-20200626

Tot Ion: 84 Resp: 861

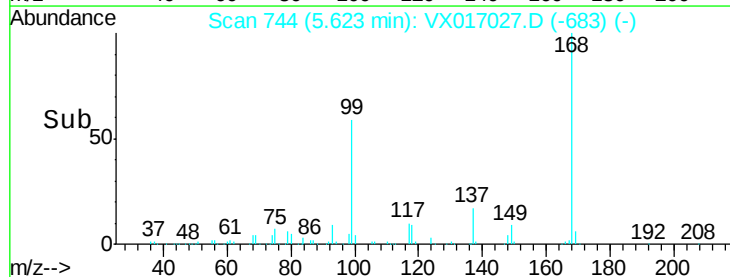
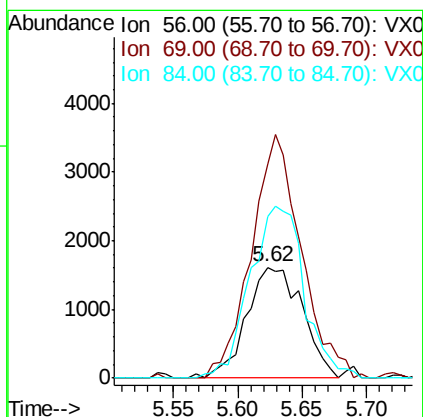
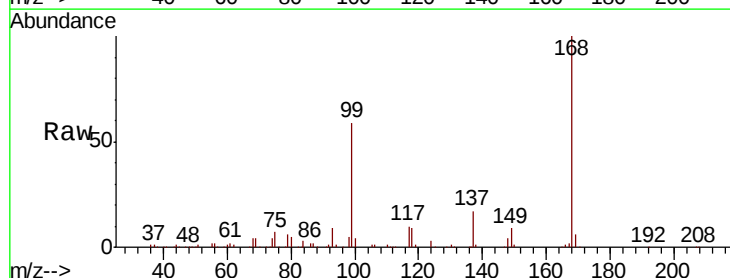
Ion	Ratio	Lower	Upper
84	100		
49	95.5	94.7	142.1
51	59.3	28.6	42.8#
86	60.1	50.5	75.7

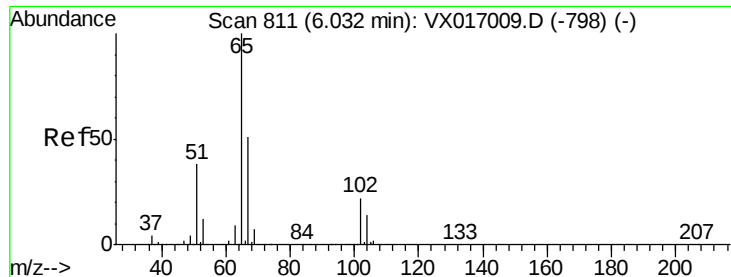


#31
Cyclohexane
Concen: 1.177 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017027.D
Acq: 29 Jun 2020 23:05

Tgt Ion: 56 Resp: 4843

Ion	Ratio	Lower	Upper
56	100		
69	193.5	25.0	37.4#
84	145.8	69.1	103.7#





#33

1,2-Dichloroethane-d4

Concen: 52.266 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017027.D

Acq: 29 Jun 2020 23:05

Instrument :

MSVOA_X

ClientSampleId :

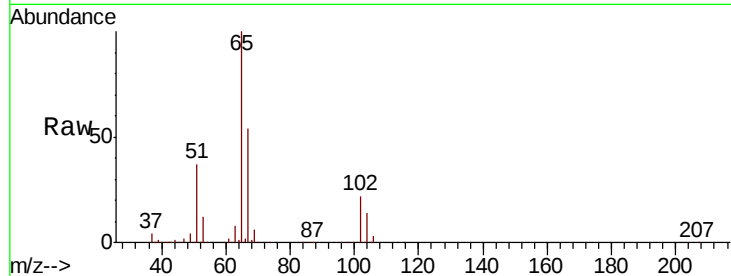
12BR-20200626

Tot Ion: 65 Resp: 159293

Ion Ratio Lower Upper

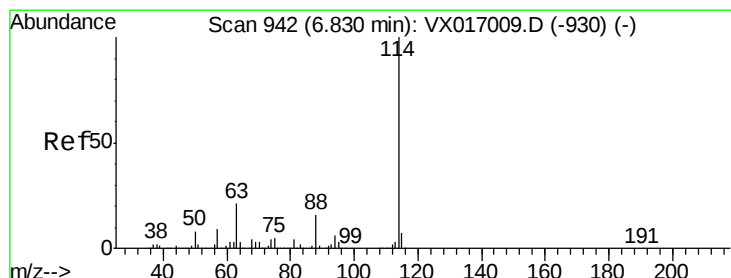
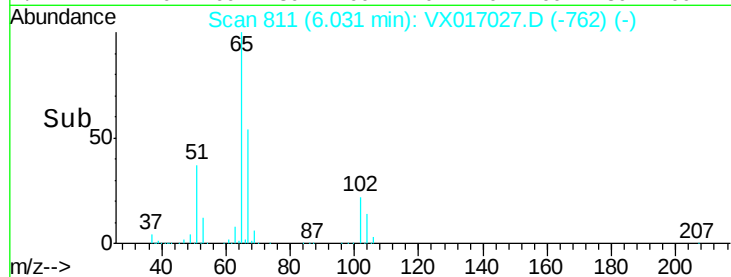
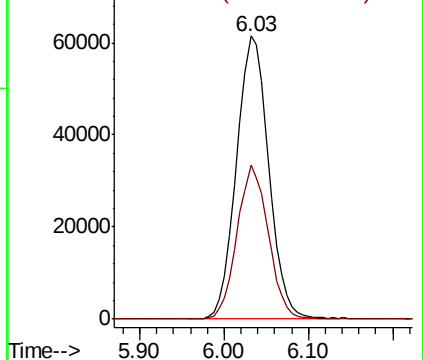
65 100

67 52.8 0.0 103.8



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017027.D

Acq: 29 Jun 2020 23:05

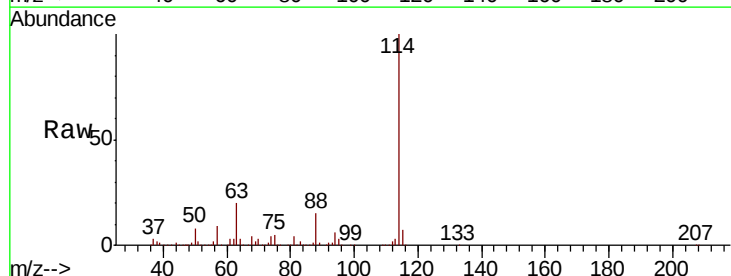
Tgt Ion: 114 Resp: 428049

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

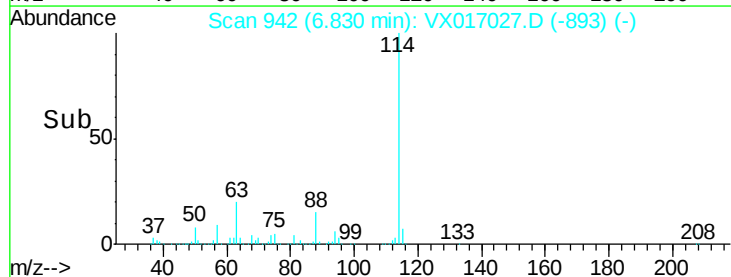
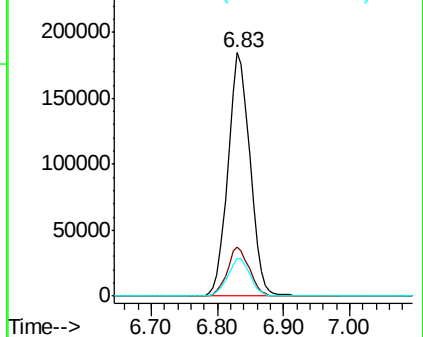
88 15.3 0.0 32.4

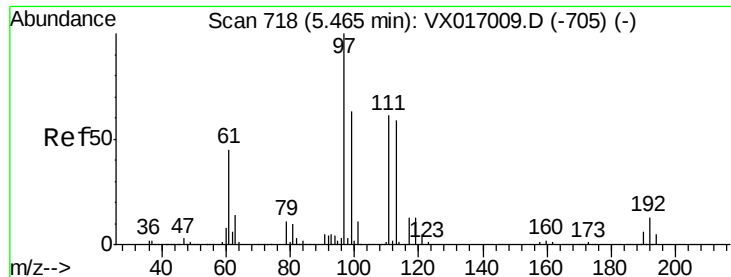


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.661 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017027.D

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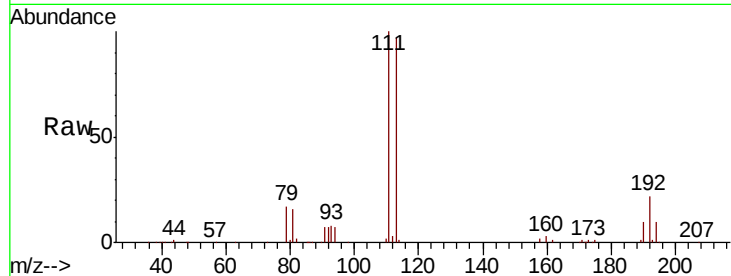
Tot Ion:113 Resp: 137175

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

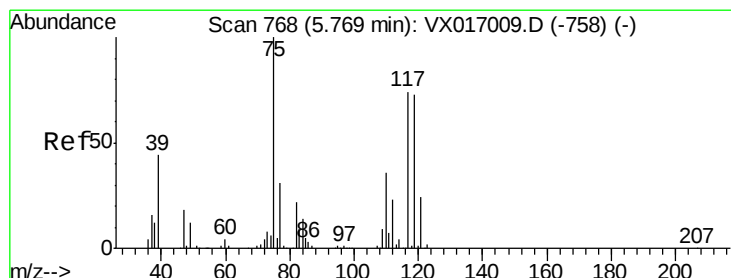
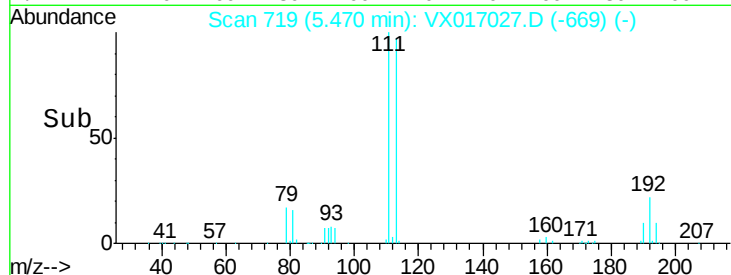
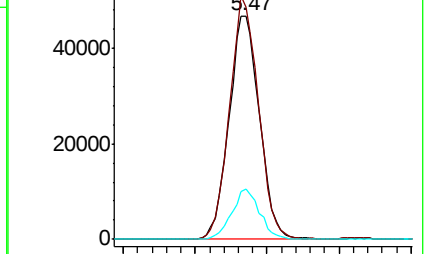
192 20.8 16.7 25.1



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: 4.398 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017027.D

Acq: 29 Jun 2020 23:05

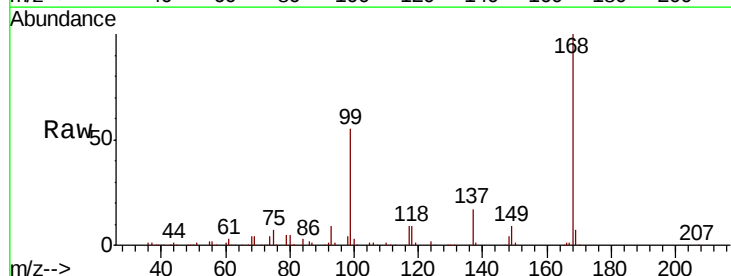
Tgt Ion: 75 Resp: 17794

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

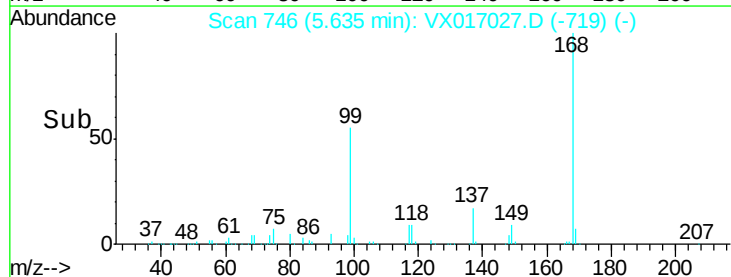
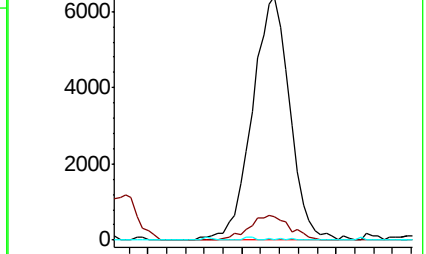
77 0.3 24.6 37.0#

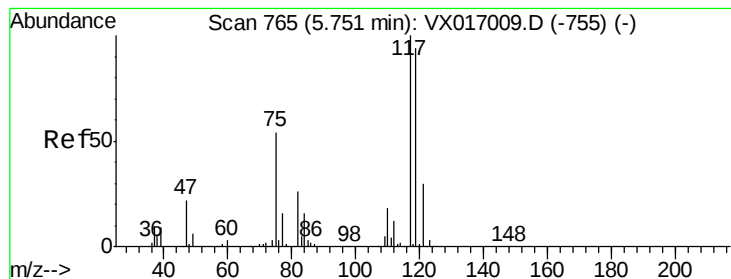


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.444 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017027.D

Acq: 29 Jun 2020 23:05

Instrument :

MSVOA_X

ClientSampleId :

12BR-20200626

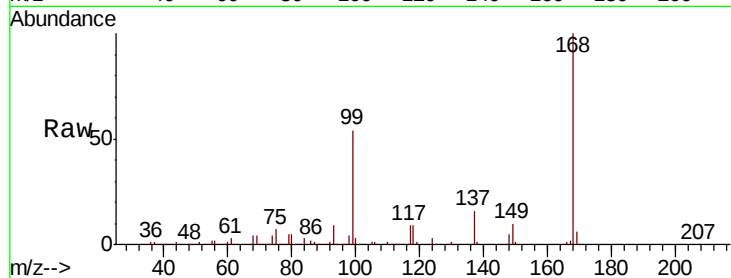
Tot Ion:117 Resp: 24258

Ion Ratio Lower Upper

117 100

119 6.5 75.4 113.0#

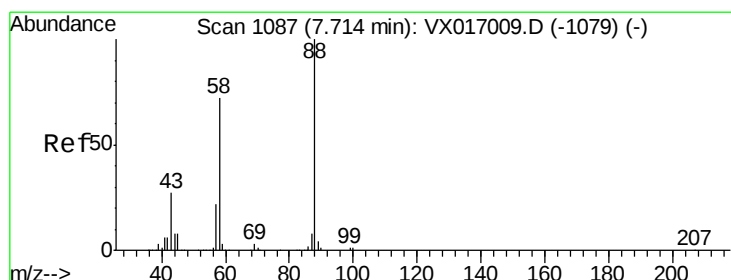
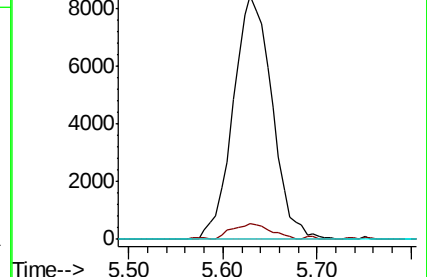
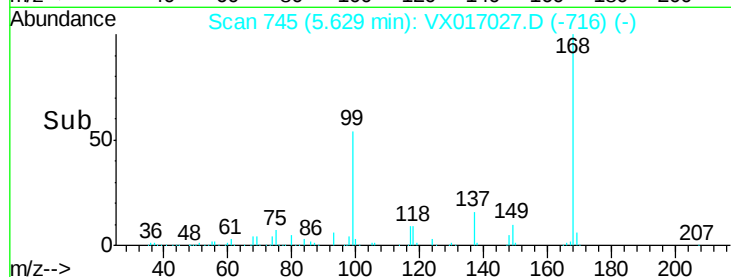
121 0.0 23.8 35.6#



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: 0.545 ug/l

RT: 7.60 min Scan# 1068

Delta R.T. -0.12 min

Lab File: VX017027.D

Acq: 29 Jun 2020 23:05

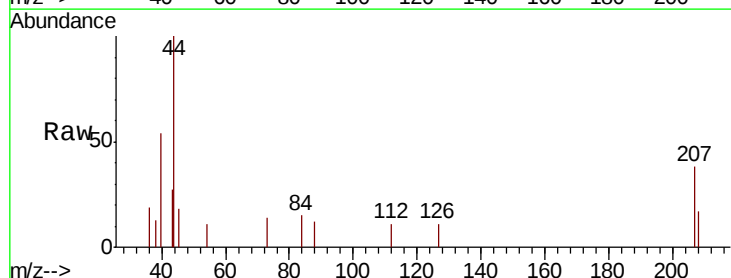
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 527.5 25.8 38.8#

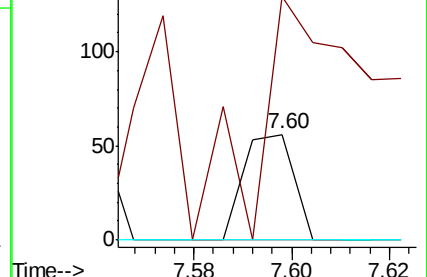
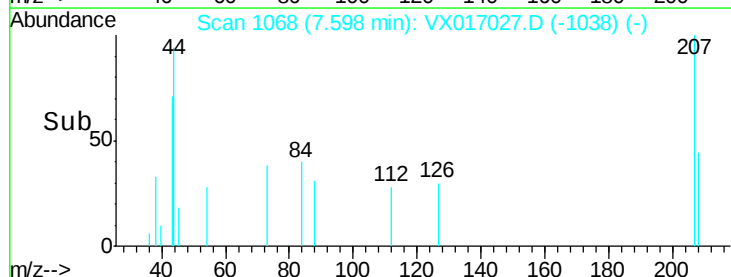
58 0.0 54.8 82.2#

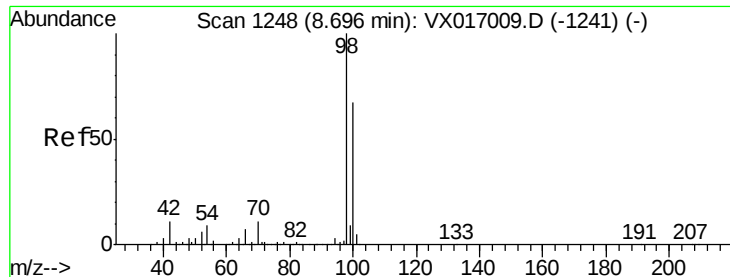


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.355 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017027.D

Acq: 29 Jun 2020 23:05

Instrument :

MSVOA_X

ClientSampleId :

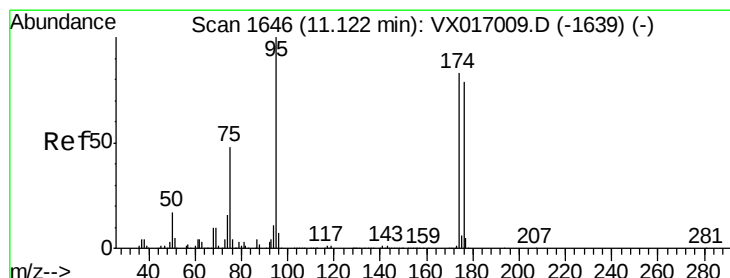
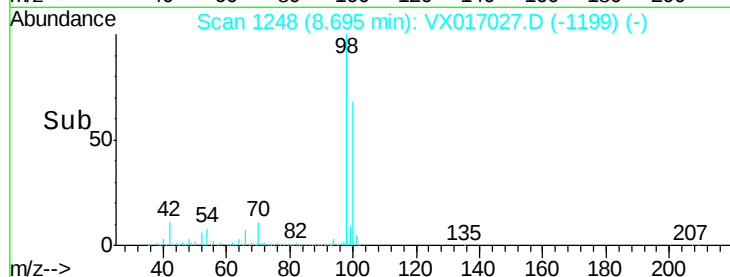
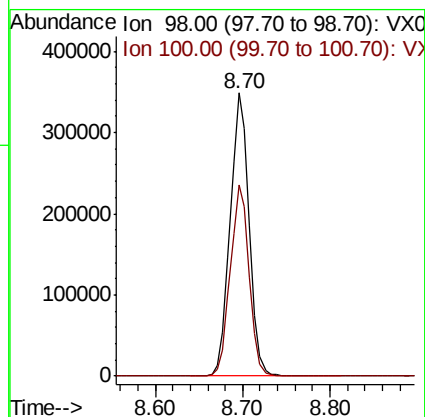
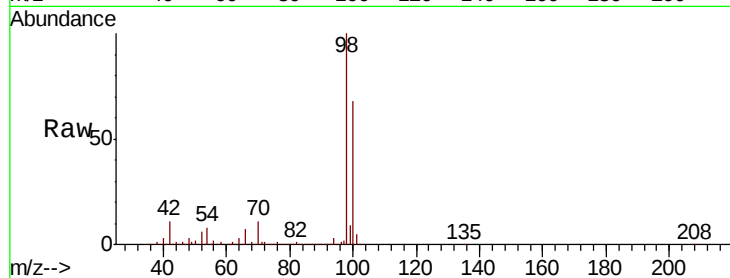
12BR-20200626

Tot Ion: 98 Resp: 524207

Ion Ratio Lower Upper

98 100

100 67.3 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 56.723 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017027.D

Acq: 29 Jun 2020 23:05

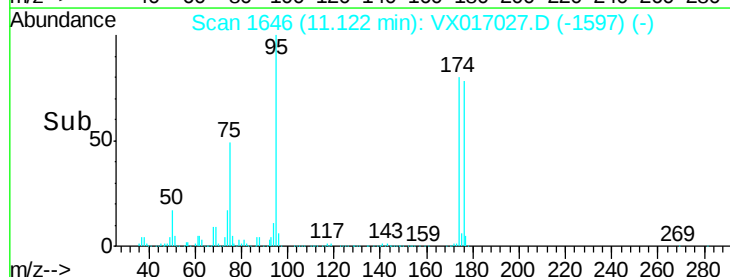
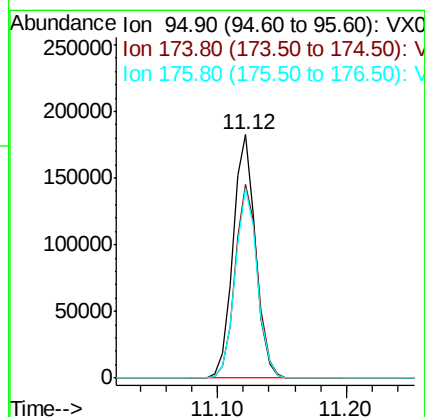
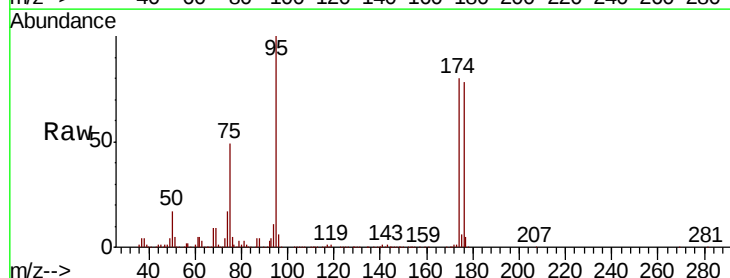
Tgt Ion: 95 Resp: 222016

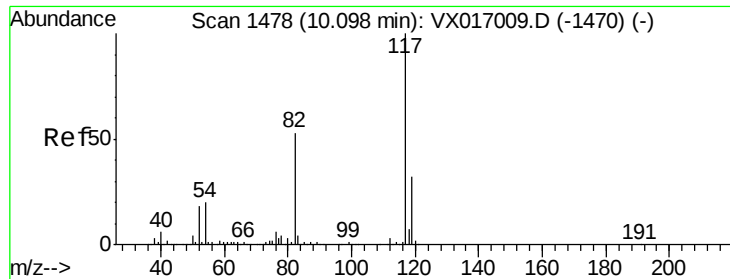
Ion Ratio Lower Upper

95 100

174 80.3 0.0 164.0

176 77.3 0.0 157.6

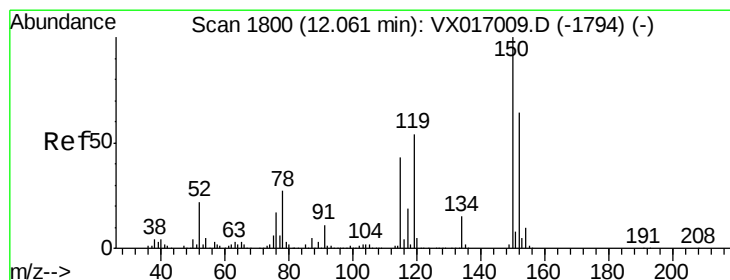
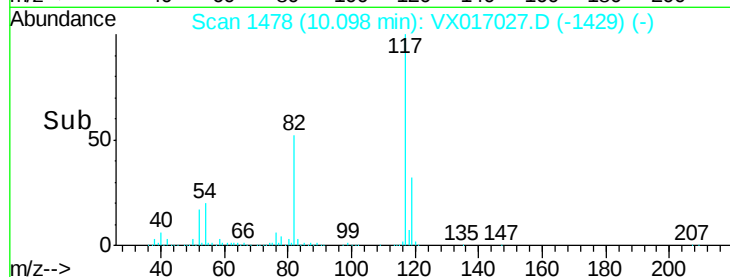
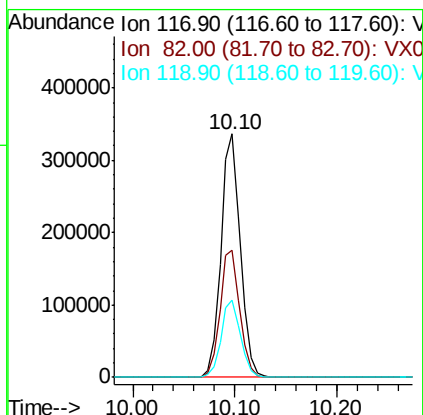
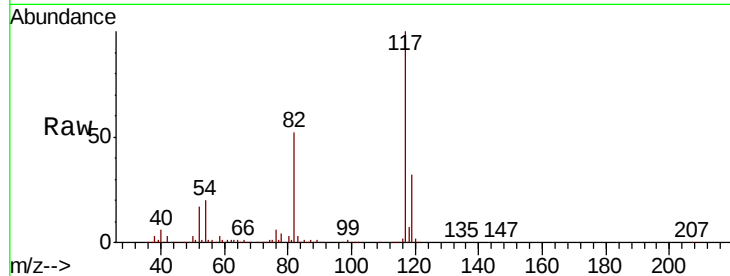




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017027.D
Acq: 29 Jun 2020 23:05

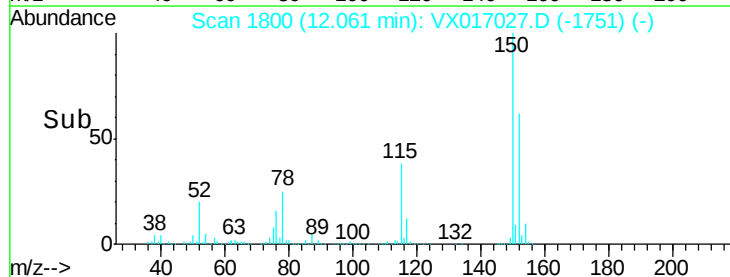
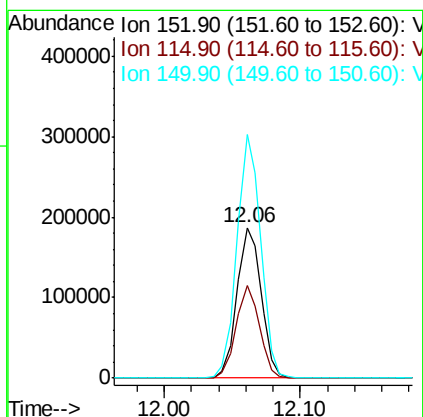
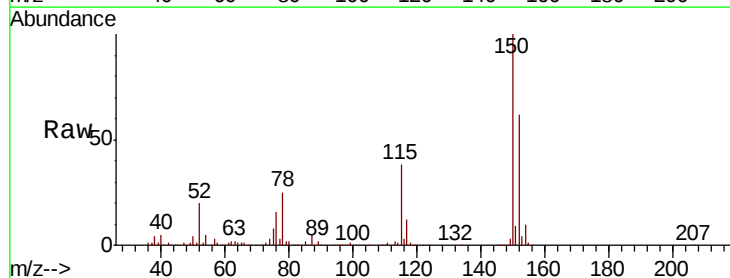
Instrument :
MSVOA_X
ClientSampleId :
12BR-20200626

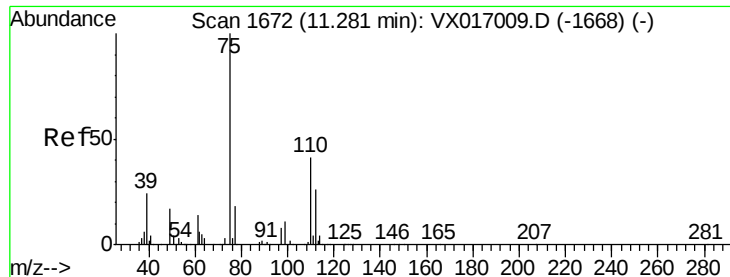
Tot Ion:117 Resp: 443471
Ion Ratio Lower Upper
117 100
82 52.2 42.6 63.8
119 31.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017027.D
Acq: 29 Jun 2020 23:05

Tgt Ion:152 Resp: 231598
Ion Ratio Lower Upper
152 100
115 59.3 40.9 122.7
150 158.5 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 23.876 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017027.D

Acq: 29 Jun 2020 23:05

Instrument :

MSVOA_X

ClientSampleId :

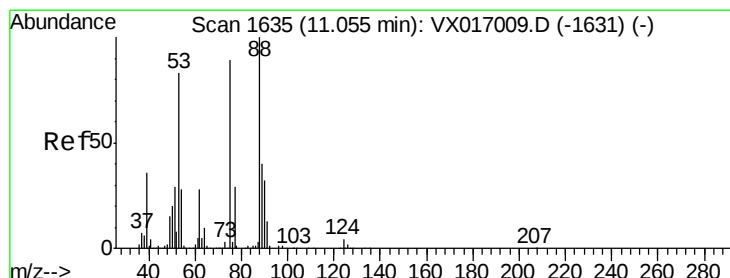
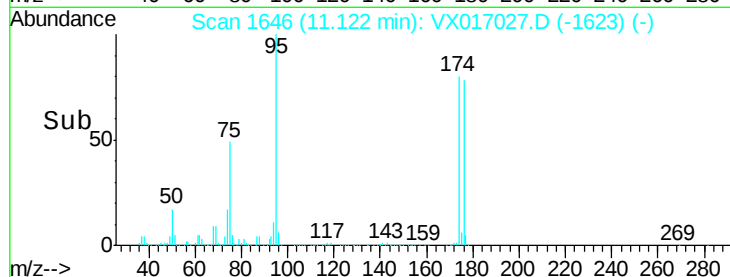
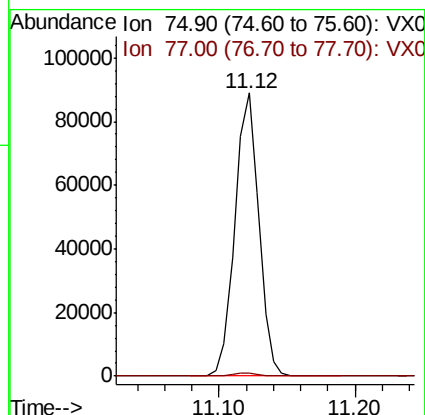
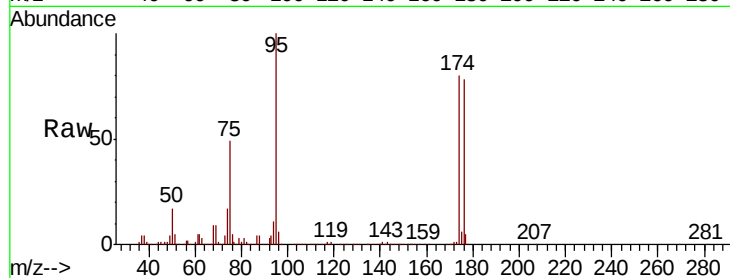
12BR-20200626

Tot Ion: 75 Resp: 108736

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.830 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017027.D

Acq: 29 Jun 2020 23:05

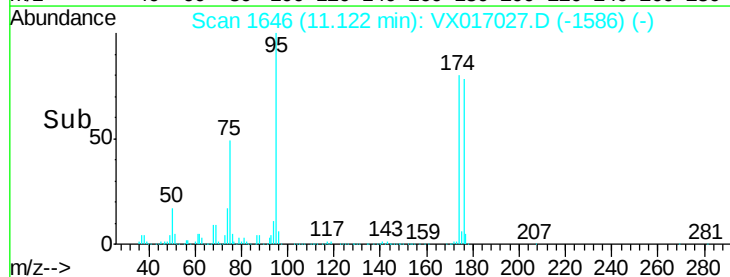
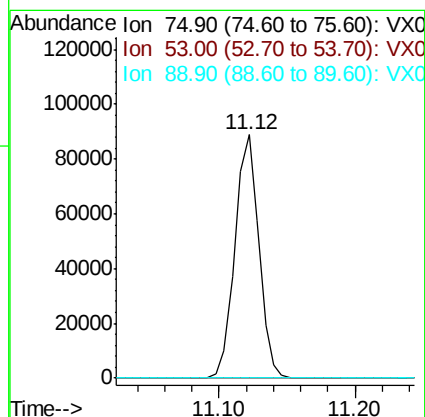
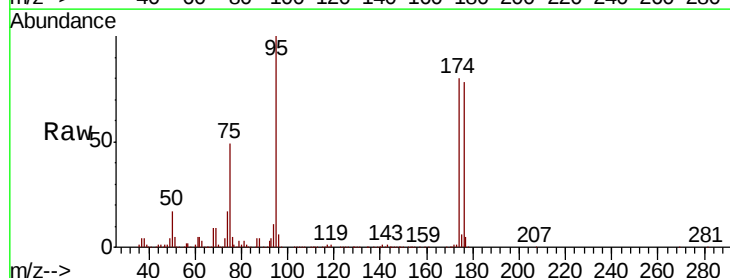
Tgt Ion: 75 Resp: 108736

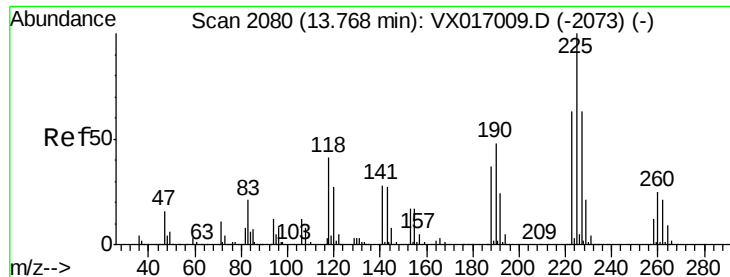
Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.880 ug/l

RT: 13.76 min Scan# 2078

Delta R.T. -0.01 min

Lab File: VX017027.D

Acq: 29 Jun 2020 23:05

Instrument :

MSVOA_X

ClientSampleId :

12BR-20200626

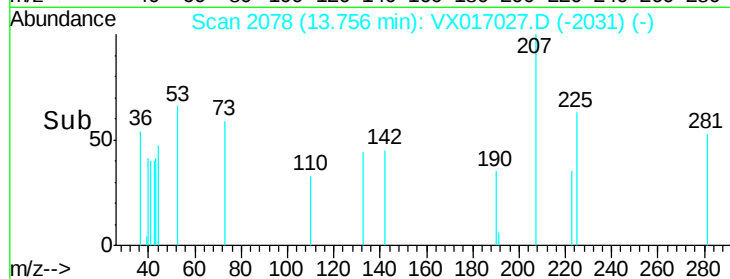
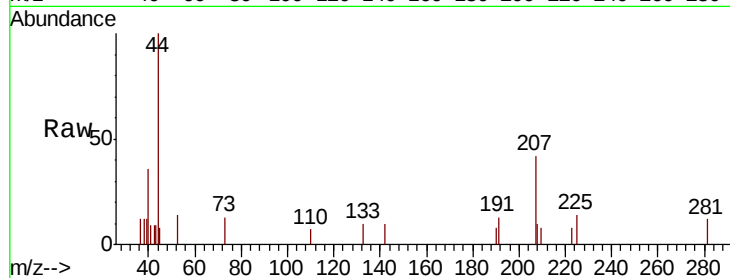
Tot Ion:225 Resp: 67

Ion Ratio Lower Upper

225 100

223 143.3 32.5 97.5#

227 0.0 33.1 99.2#



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

