

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070620\
 Data File : VX017186.D
 Acq On : 06 Jul 2020 22:06
 Operator : JC/SP
 Sample : L3159-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 11BR-20200629

Quant Time: Jul 07 06:54:47 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

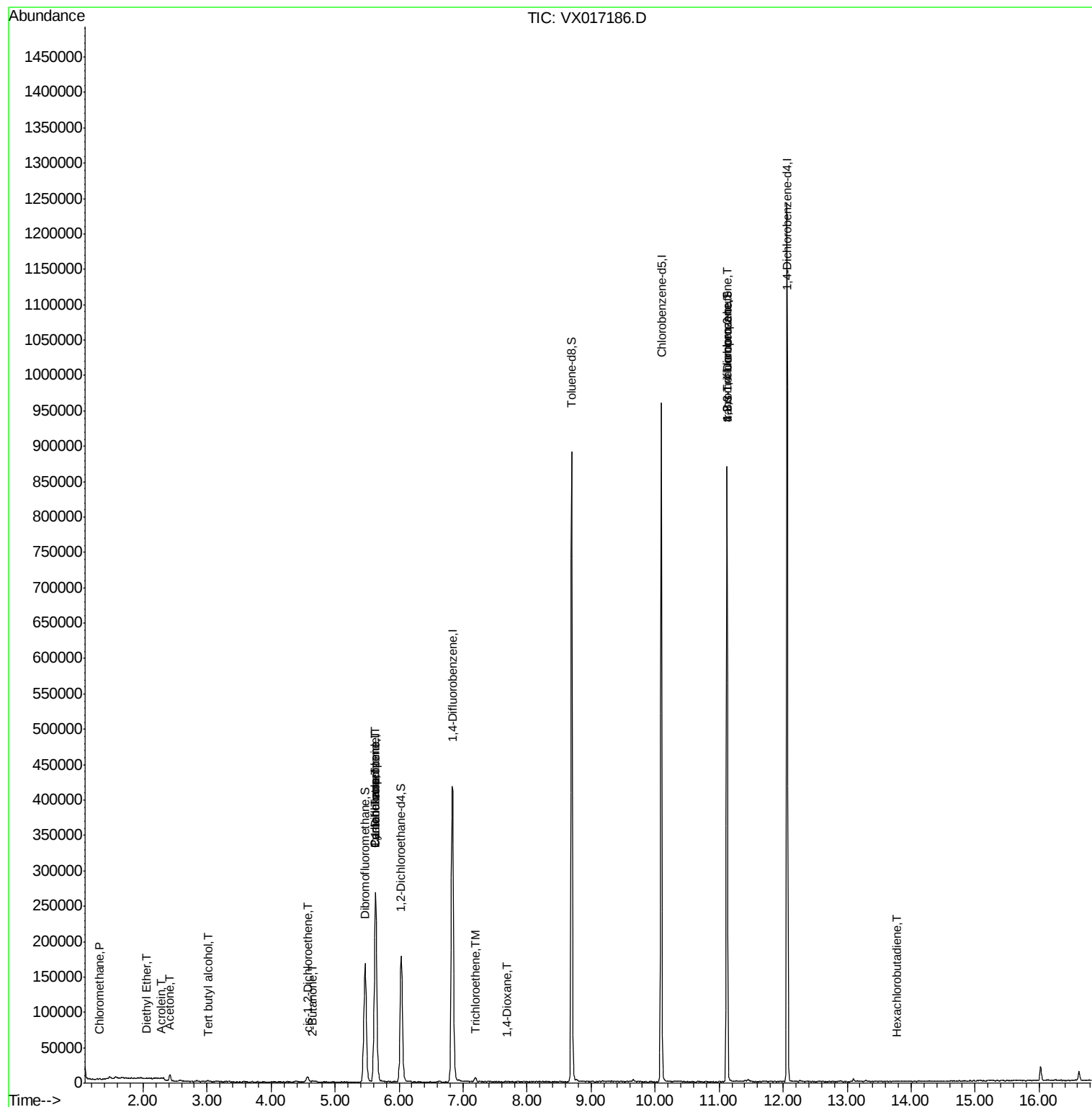
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	259263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	436302	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	445605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	249134	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	168802	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	5.47	113	144459	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
50) Toluene-d8	8.70	98	518950	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.12	95	219762	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	950	0.313	ug/l #	80
8) Diethyl Ether	2.05	74	111	0.444	ug/l	87
11) Tert butyl alcohol	3.01	59	1057	1.734	ug/l	100
13) Acrolein	2.28	56	344	0.944	ug/l #	49
16) Acetone	2.42	43	9913	8.291	ug/l	98
20) Methylene Chloride	2.84	84	517	Below Cal	#	87
25) 2-Butanone	4.64	43	1320	0.663	ug/l #	86
27) cis-1,2-Dichloroethene	4.57	96	4593	1.424	ug/l	83
31) Cyclohexane	5.63	56	5205	1.206	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18623	4.516	ug/l #	51
38) Carbon Tetrachloride	5.63	117	24702	5.439	ug/l #	18
44) Trichloroethene	7.19	130	2070	0.311	ug/l	97
49) 1,4-Dioxane	7.68	88	20	0.267	ug/l #	24
76) 1,2,3-Trichloropropane	11.12	75	110943	22.646	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	110943	58.644	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	581	Below Cal	#	1
94) Hexachlorobutadiene	13.77	225	19	0.854	ug/l #	17

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

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ClientSampled :
11BR-20200629

Quant Time: Jul 07 06:54:47 2020
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Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017186.D

Acq: 06 Jul 2020 22:06

Instrument :

MSVOA_X

ClientSampleId :

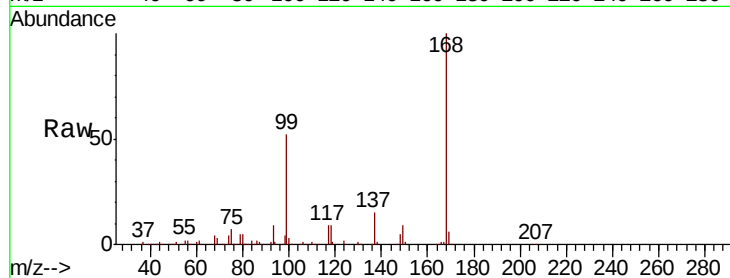
11BR-20200629

Tot Ion:168 Resp: 259263

Ion Ratio Lower Upper

168 100

99 52.0 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

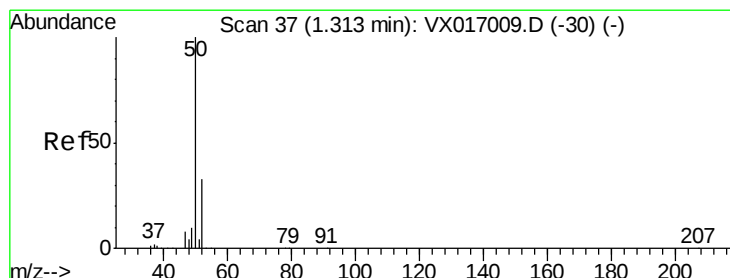
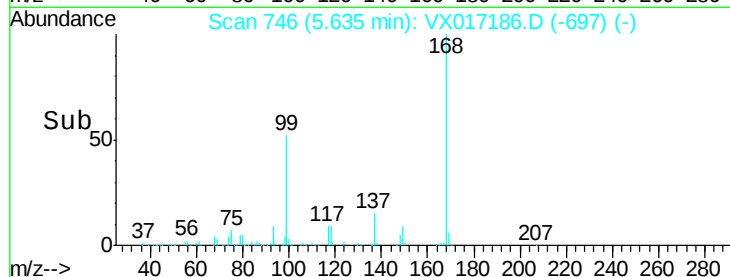
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#3

Chloromethane

Concen: 0.313 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017186.D

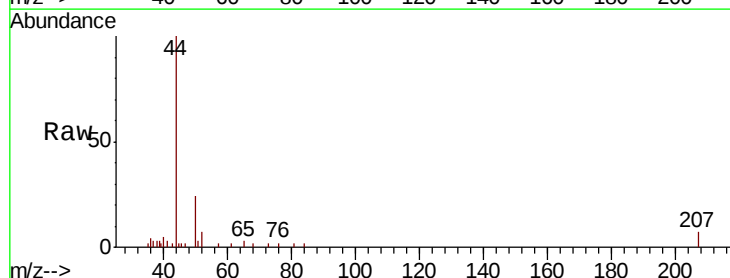
Acq: 06 Jul 2020 22:06

Tgt Ion: 50 Resp: 950

Ion Ratio Lower Upper

50 100

52 21.4 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

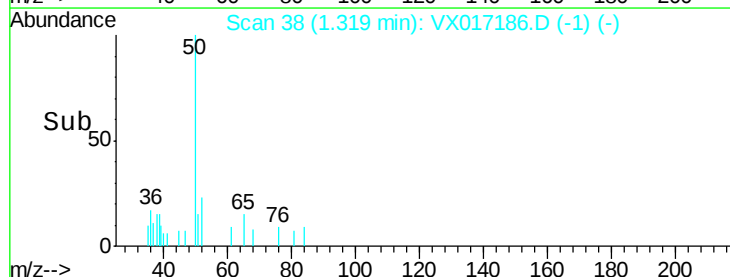
600

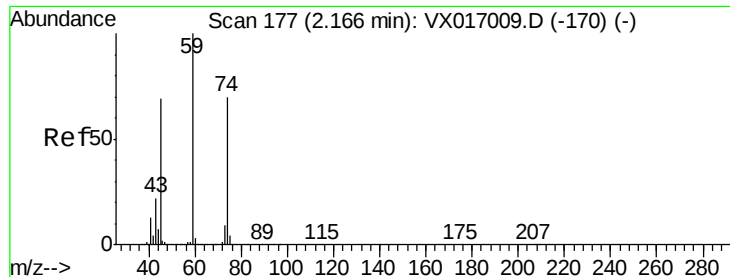
400

200

0

Time--> 1.30 1.35





#8

Diethyl Ether

Concen: 0.444 ug/l

RT: 2.05 min Scan# 158

Delta R.T. -0.12 min

Lab File: VX017186.D

Acq: 06 Jul 2020 22:06

Instrument :

MSVOA_X

ClientSampleId :

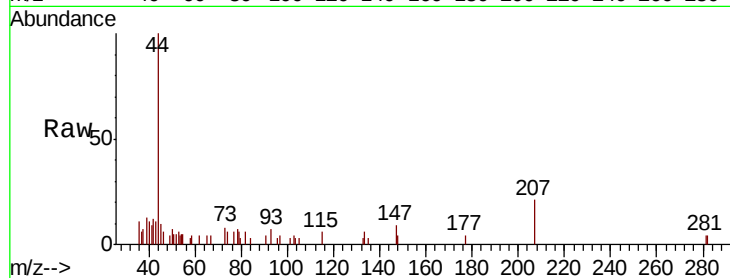
11BR-20200629

Tot Ion: 74 Resp: 111

Ion Ratio Lower Upper

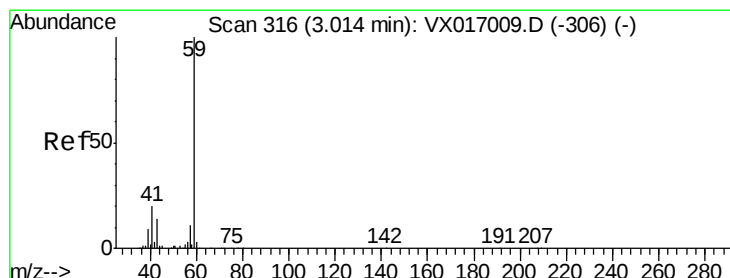
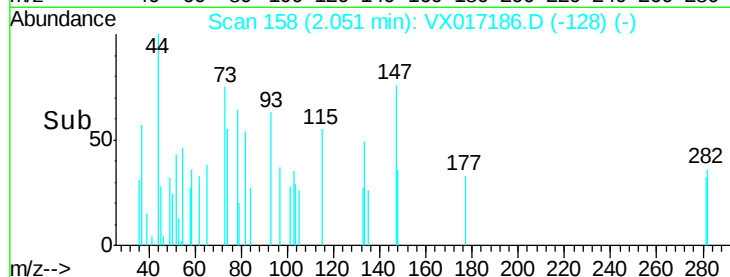
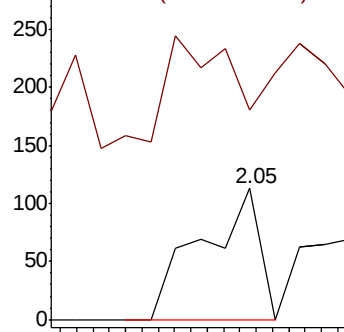
74 100

45 86.5 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 1.734 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017186.D

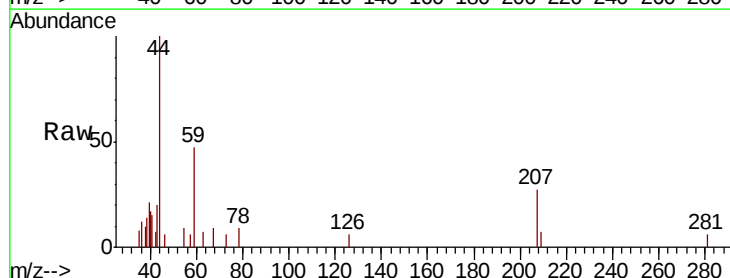
Acq: 06 Jul 2020 22:06

Tgt Ion: 59 Resp: 1057

Ion Ratio Lower Upper

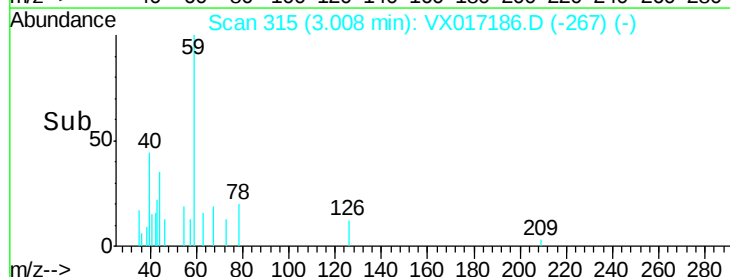
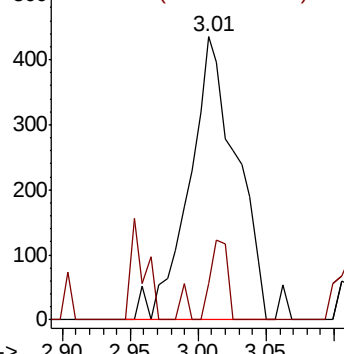
59 100

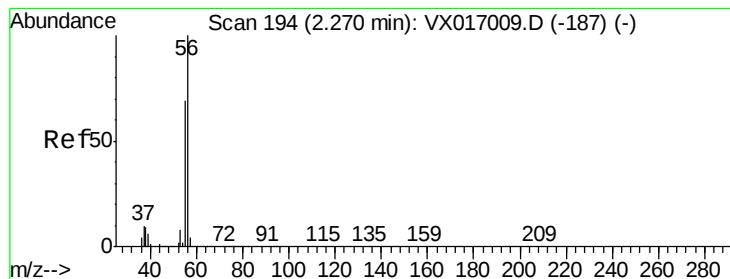
57 10.2 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.944 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX017186.D

Acq: 06 Jul 2020 22:06

Instrument :

MSVOA_X

ClientSampleId :

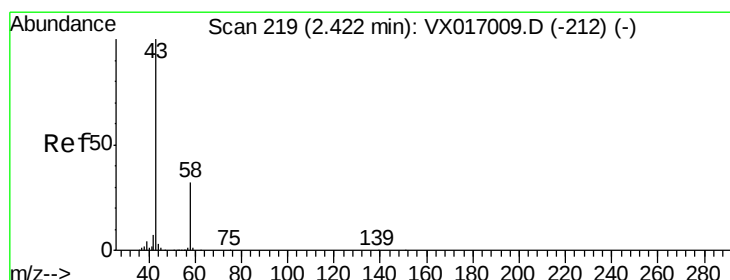
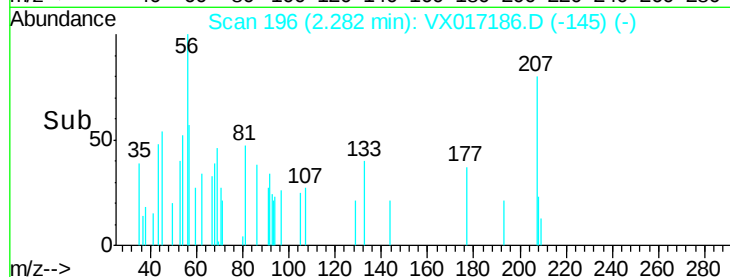
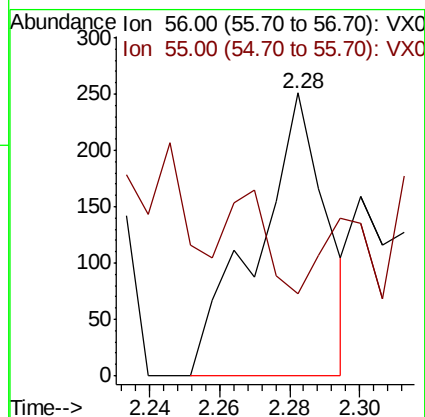
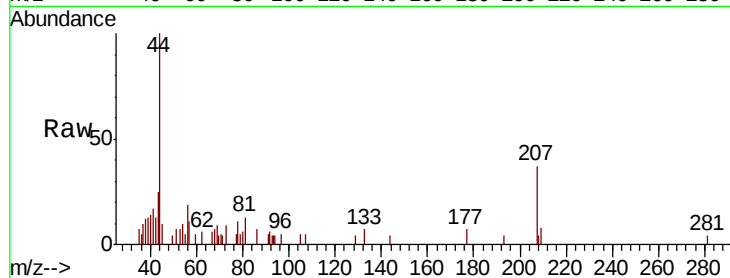
11BR-20200629

Tot Ion: 56 Resp: 344

Ion Ratio Lower Upper

56 100

55 27.6 55.7 83.5#



#16

Acetone

Concen: 8.291 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017186.D

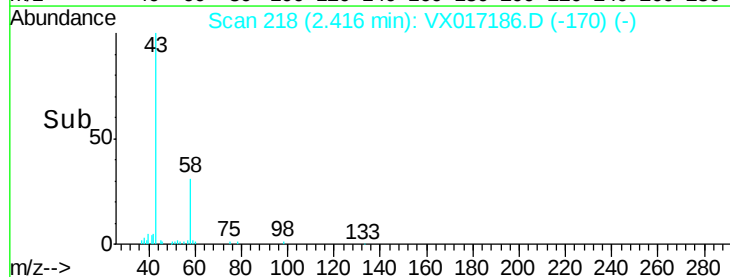
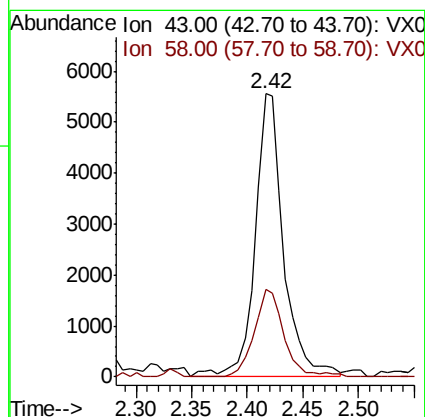
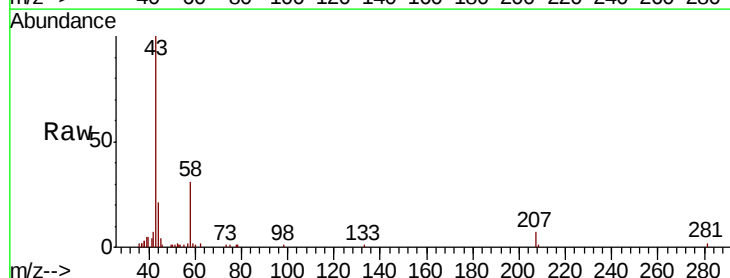
Acq: 06 Jul 2020 22:06

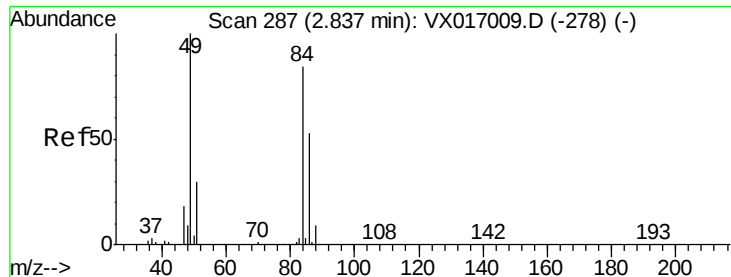
Tgt Ion: 43 Resp: 9913

Ion Ratio Lower Upper

43 100

58 30.9 25.7 38.5

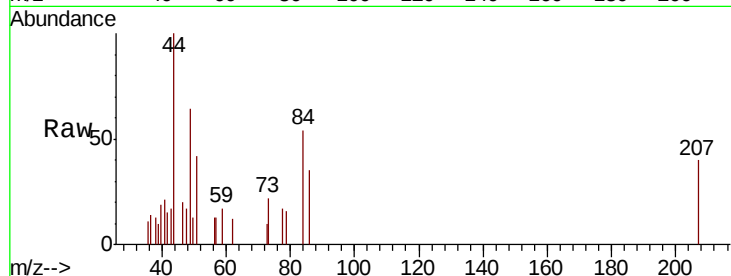




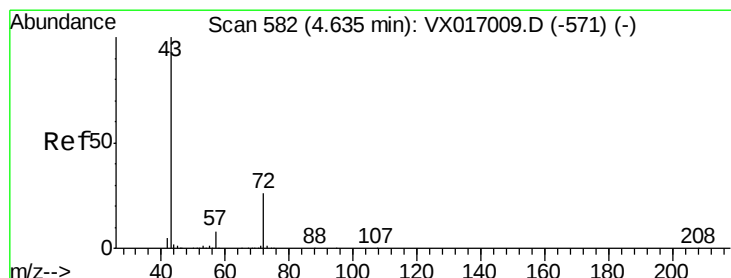
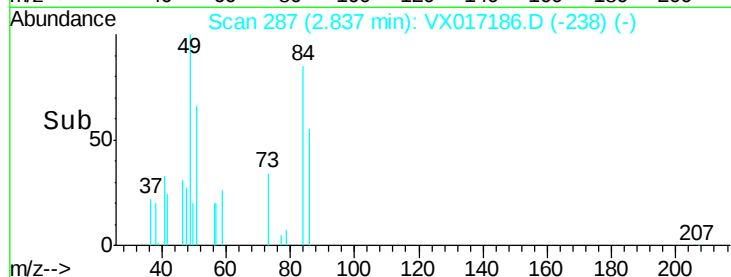
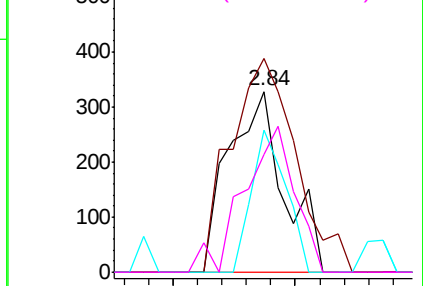
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017186.D
Acq: 06 Jul 2020 22:06

Instrument :
MSVOA_X
ClientSampleId :
11BR-20200629

Tot Ion: 84 Resp: 517
Ion Ratio Lower Upper
84 100
49 118.3 94.7 142.1
51 78.4 28.6 42.8#
86 65.2 50.5 75.7

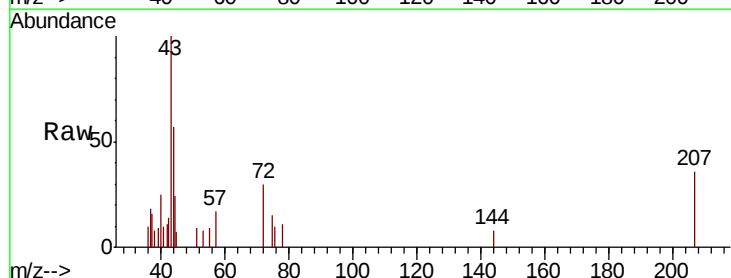


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

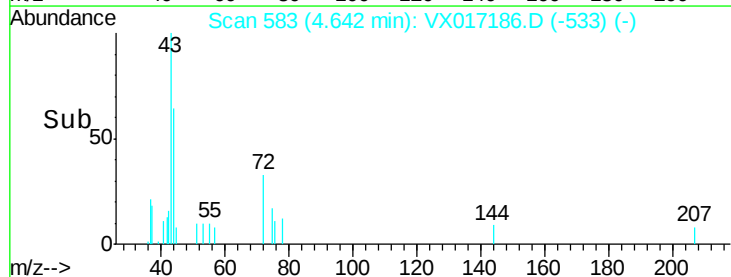
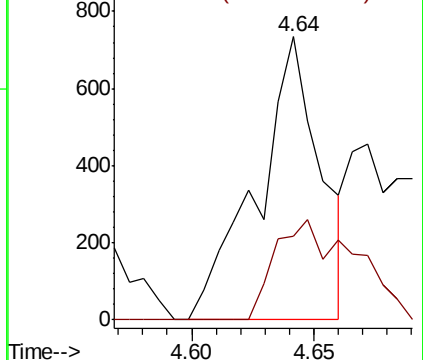


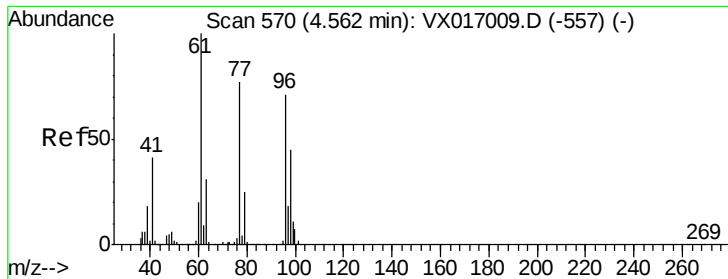
#25
2-Butanone
Concen: 0.663 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017186.D
Acq: 06 Jul 2020 22:06

Tgt Ion: 43 Resp: 1320
Ion Ratio Lower Upper
43 100
72 18.9 20.8 31.2#



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



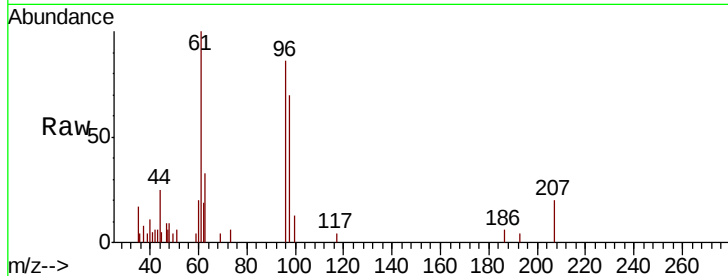


#27

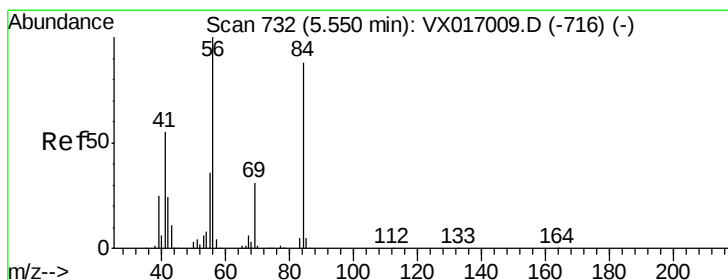
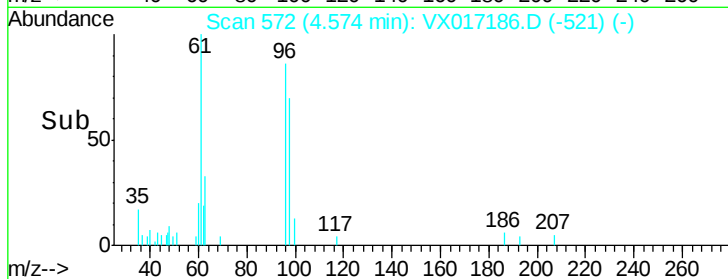
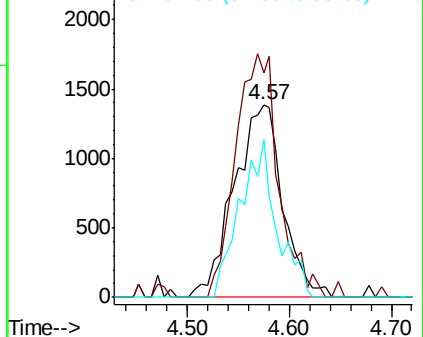
cis-1,2-Dichloroethene
Concen: 1.424 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX017186.D
Acq: 06 Jul 2020 22:06

Instrument :
MSVOA_X
ClientSampleId :
11BR-20200629

Tot Ion	Ratio	Lower	Upper
96	100		
61	112.2	0.0	282.8
98	62.1	0.0	127.6



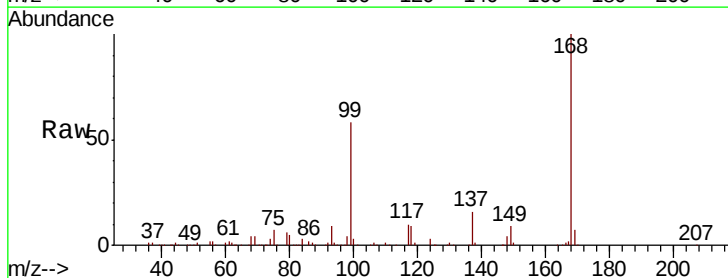
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



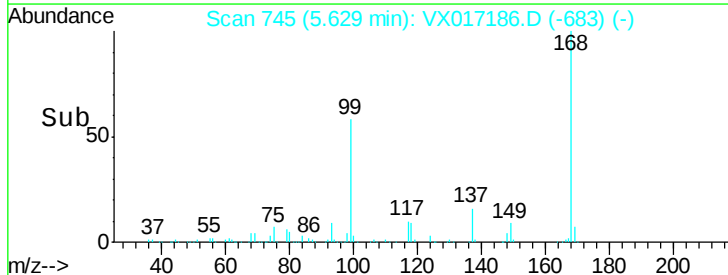
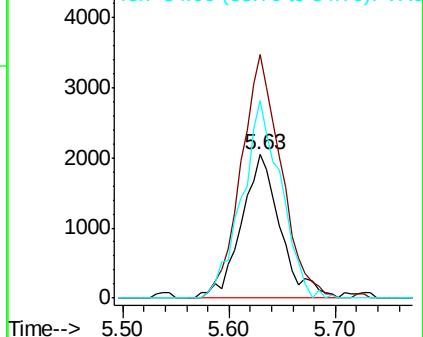
#31

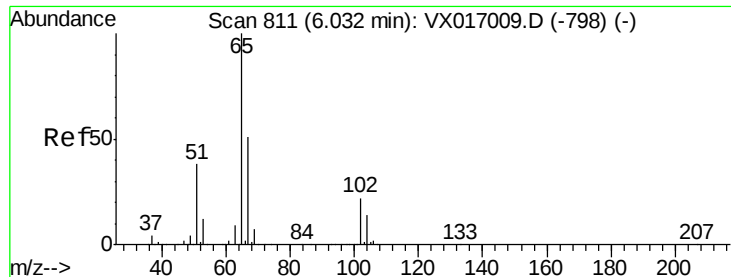
Cyclohexane
Concen: 1.206 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017186.D
Acq: 06 Jul 2020 22:06

Tgt Ion	Ratio	Lower	Upper
56	100		
69	162.3	25.0	37.4#
84	131.9	69.1	103.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.813 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017186.D

Acq: 06 Jul 2020 22:06

Instrument :

MSVOA_X

ClientSampleId :

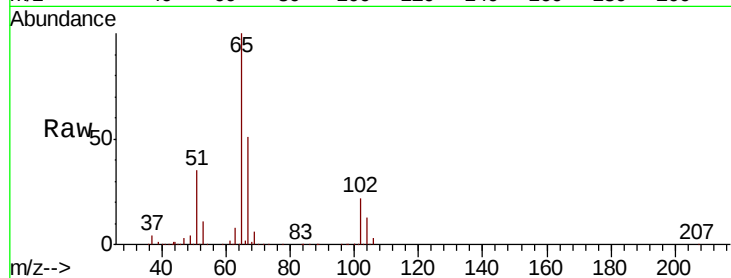
11BR-20200629

Tot Ion: 65 Resp: 168802

Ion Ratio Lower Upper

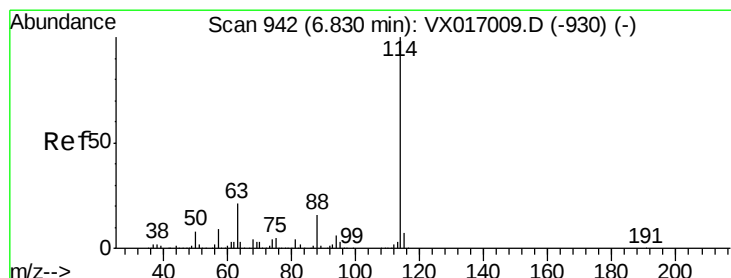
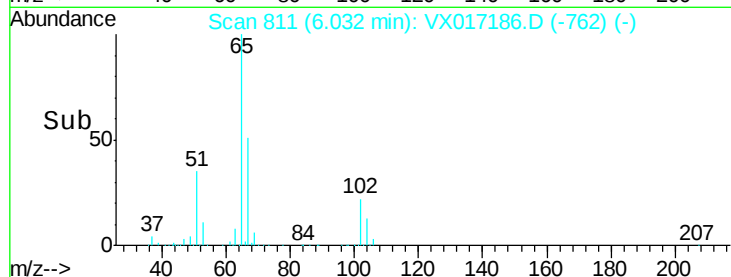
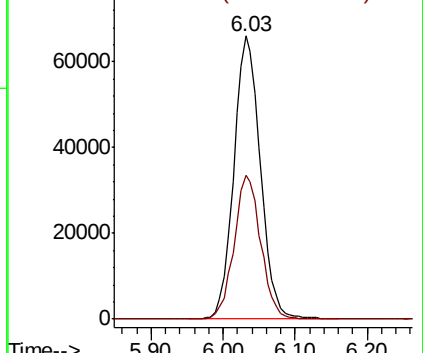
65 100

67 51.0 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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017186.D

Acq: 06 Jul 2020 22:06

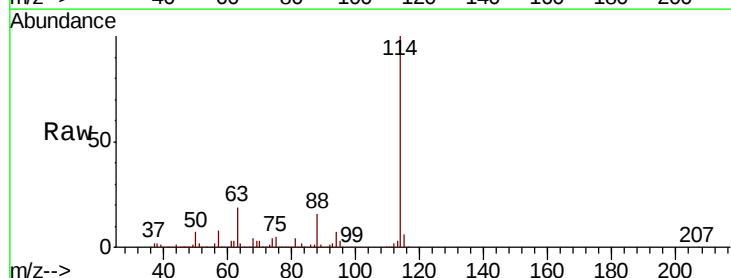
Tgt Ion: 114 Resp: 436302

Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.4

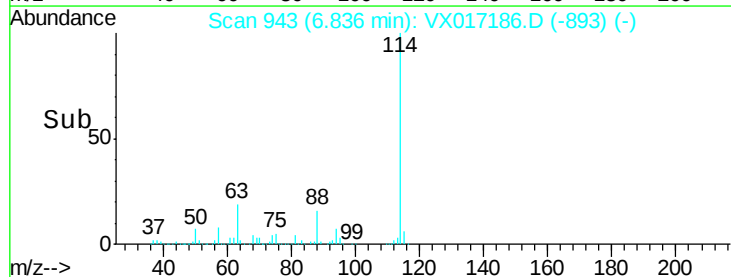
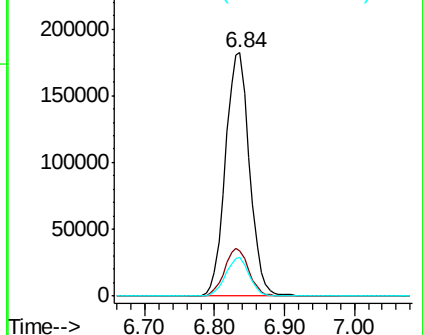
88 15.8 0.0 32.4

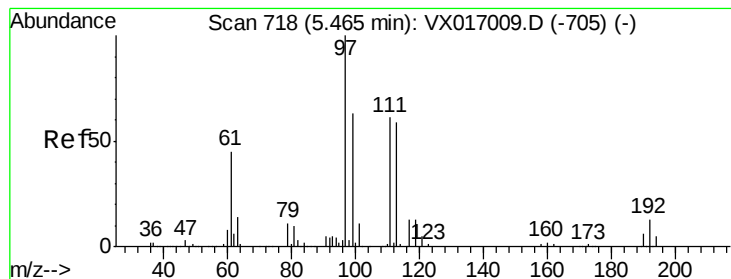


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.342 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017186.D

Acq: 06 Jul 2020 22:06

Instrument :

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11BR-20200629

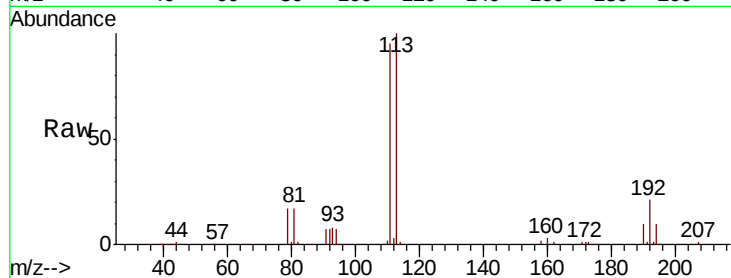
Tot Ion:113 Resp: 144459

Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

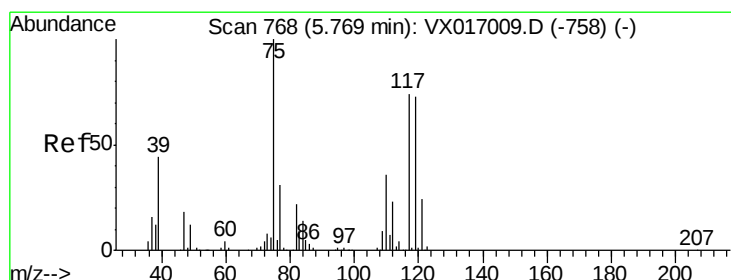
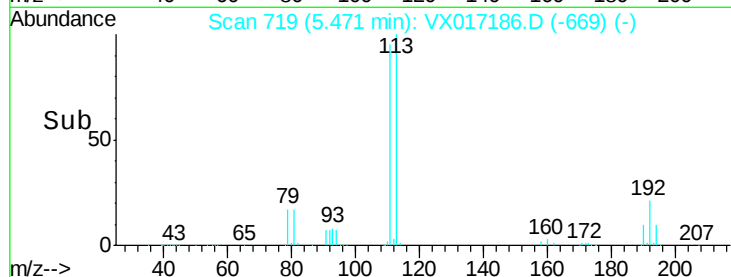
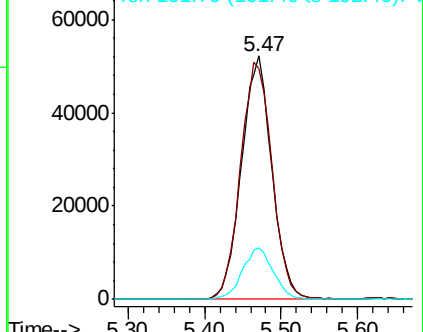
192 21.2 16.7 25.1



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: 4.516 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017186.D

Acq: 06 Jul 2020 22:06

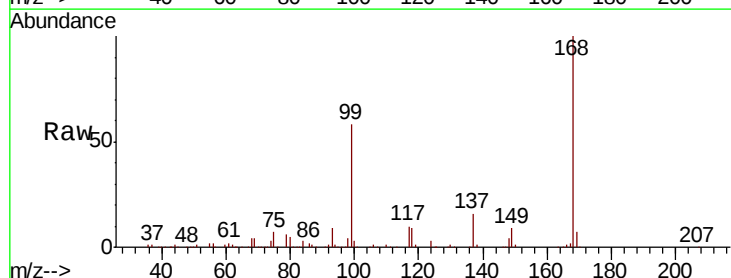
Tgt Ion: 75 Resp: 18623

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.1#

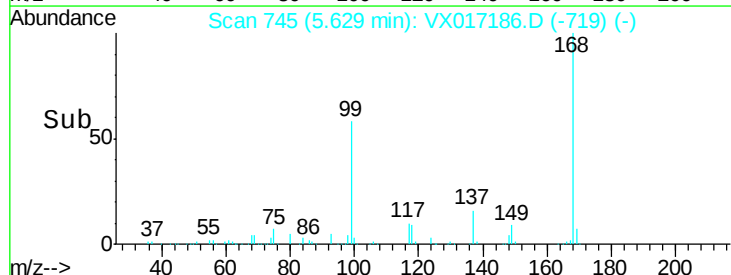
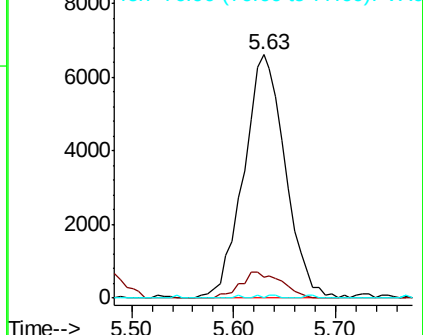
77 0.0 24.6 37.0#

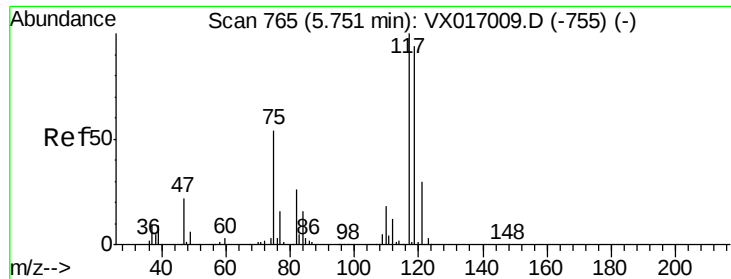


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.439 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017186.D

Acq: 06 Jul 2020 22:06

Instrument :

MSVOA_X

ClientSampleId :

11BR-20200629

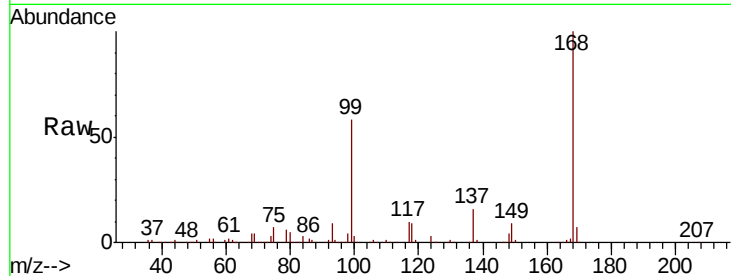
Tot Ion:117 Resp: 24702

Ion Ratio Lower Upper

117 100

119 6.4 75.4 113.0#

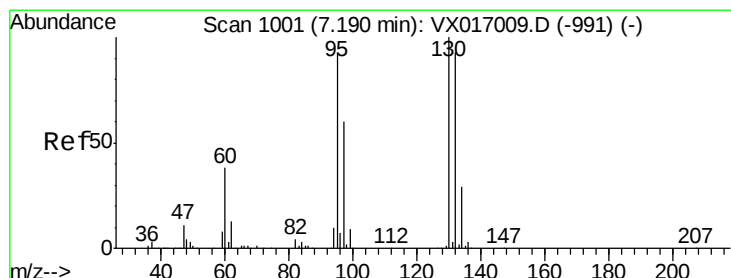
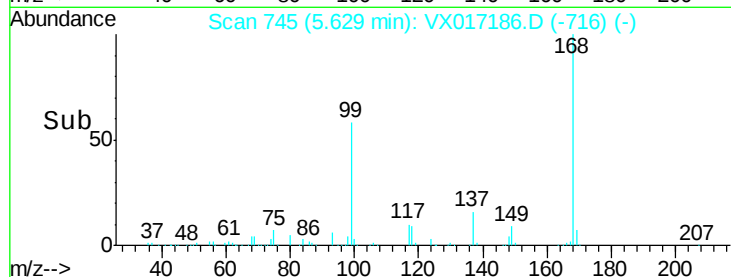
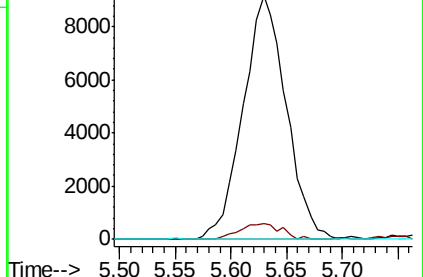
121 0.0 23.8 35.6#



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



#44

Trichloroethene

Concen: 0.311 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017186.D

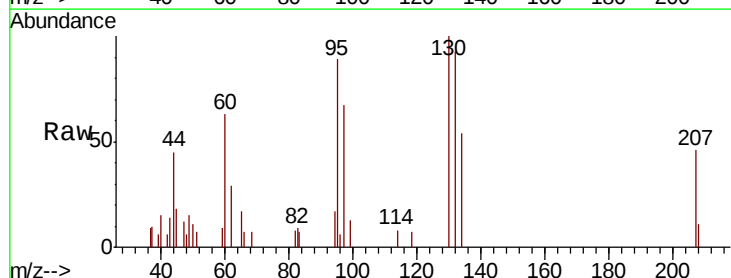
Acq: 06 Jul 2020 22:06

Tgt Ion:130 Resp: 2070

Ion Ratio Lower Upper

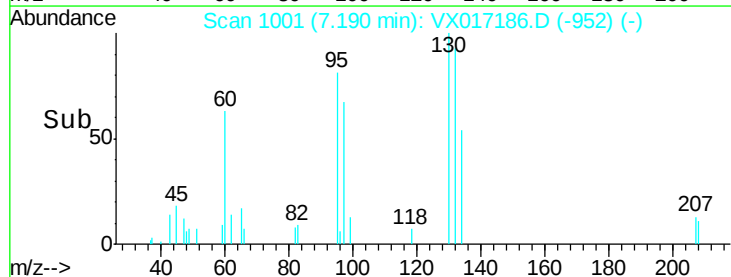
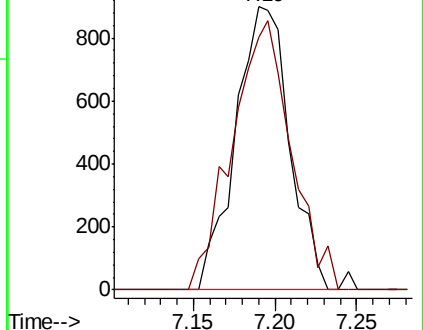
130 100

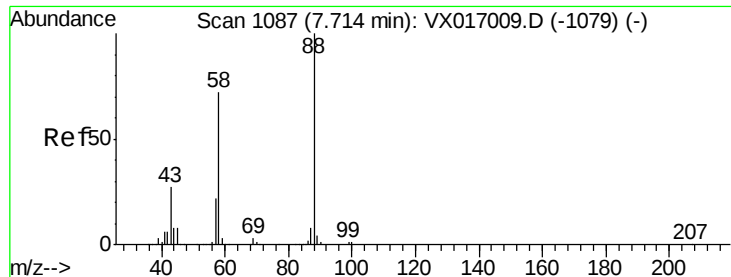
95 89.3 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

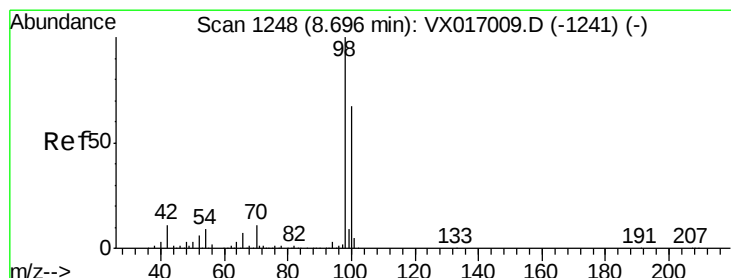
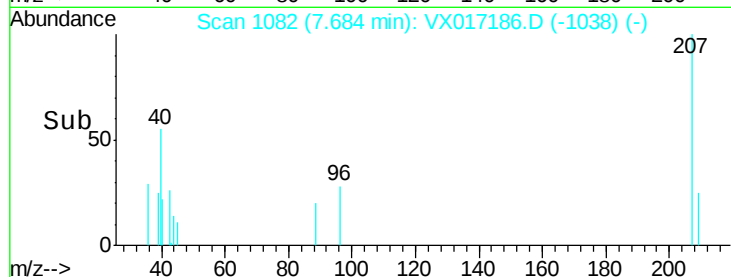
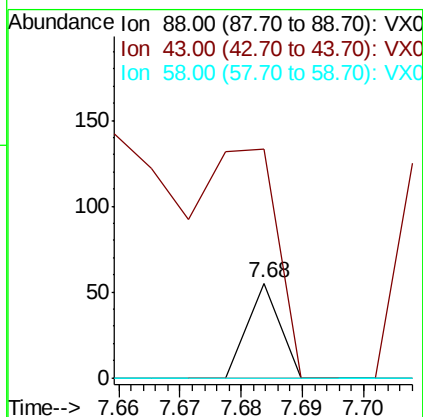
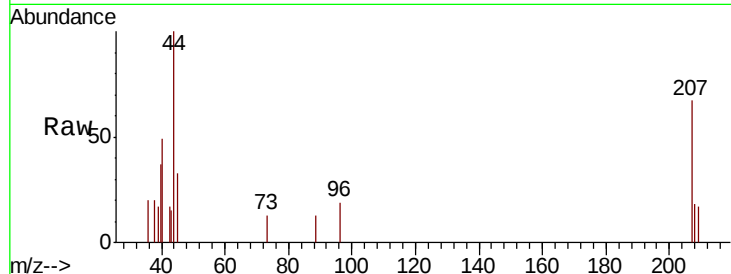




#49
1,4-Dioxane
Concen: 0.267 ug/l
RT: 7.68 min Scan# 1082
Delta R.T. -0.03 min
Lab File: VX017186.D
Acq: 06 Jul 2020 22:06

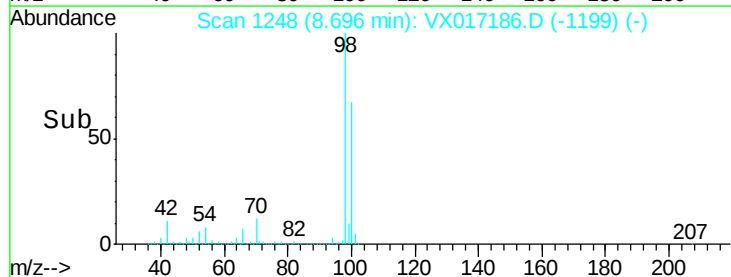
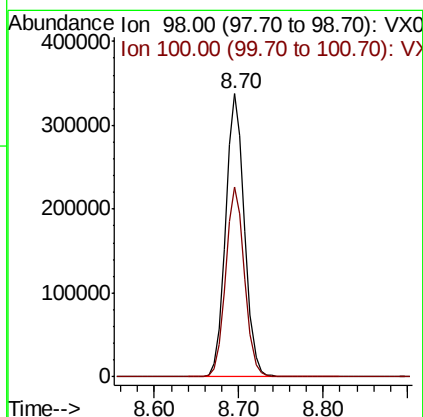
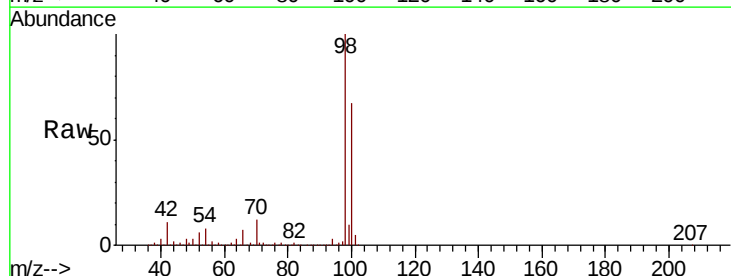
Instrument :
MSVOA_X
ClientSampleId :
11BR-20200629

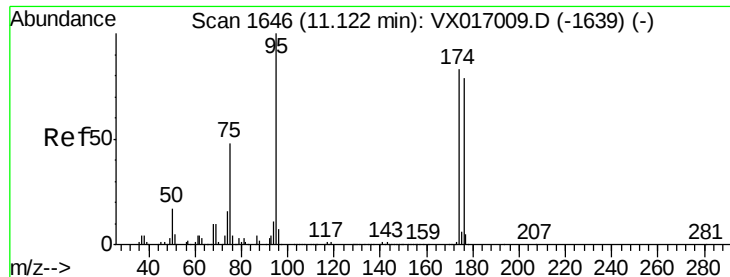
Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.8#
58 0.0 54.8 82.2#



#50
Toluene-d8
Concen: 50.850 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017186.D
Acq: 06 Jul 2020 22:06

Tgt Ion: 98 Resp: 518950
Ion Ratio Lower Upper
98 100
100 66.9 53.8 80.6





#62

4-Bromofluorobenzene

Concen: 55.085 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017186.D

Acq: 06 Jul 2020 22:06

Instrument :

MSVOA_X

ClientSampleId :

11BR-20200629

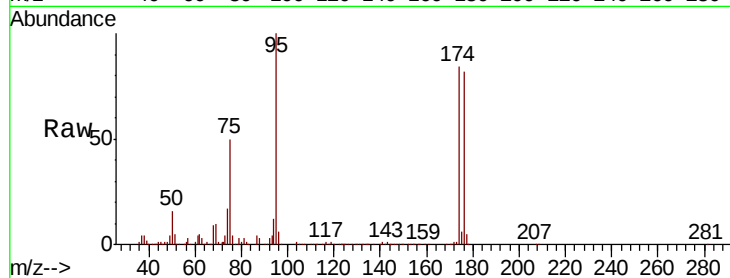
Tot Ion: 95 Resp: 219762

Ion Ratio Lower Upper

95 100

174 84.7 0.0 164.0

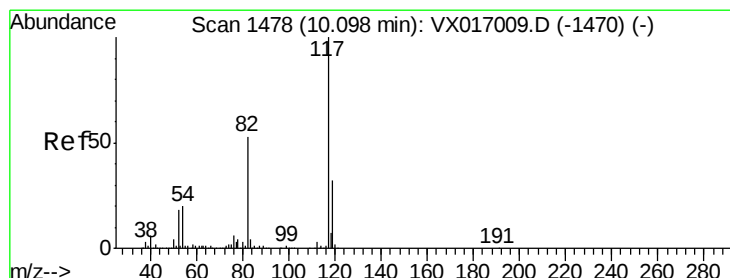
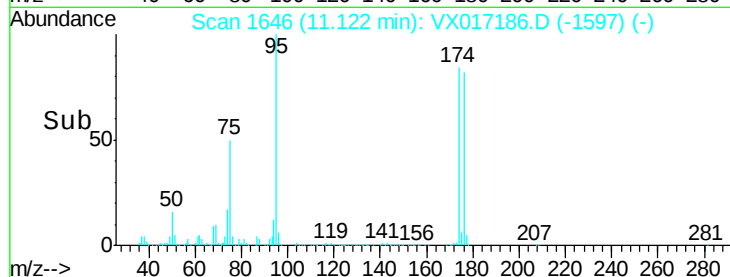
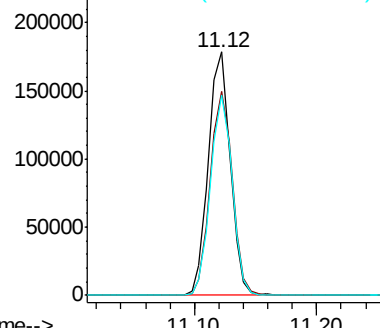
176 81.4 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017186.D

Acq: 06 Jul 2020 22:06

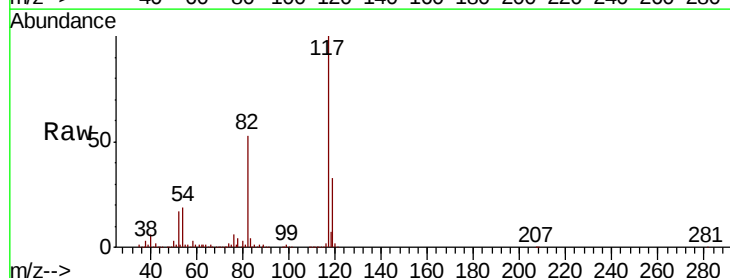
Tgt Ion: 117 Resp: 445605

Ion Ratio Lower Upper

117 100

82 52.5 42.6 63.8

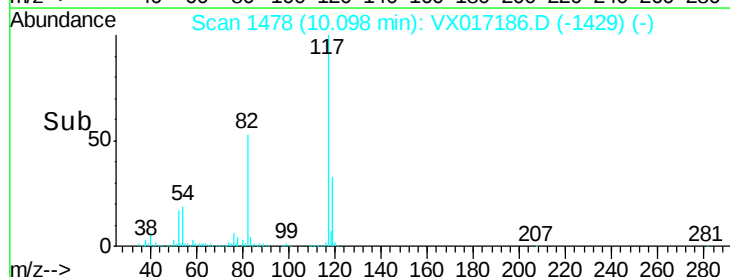
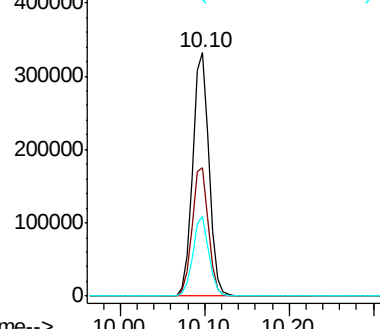
119 32.7 25.4 38.2

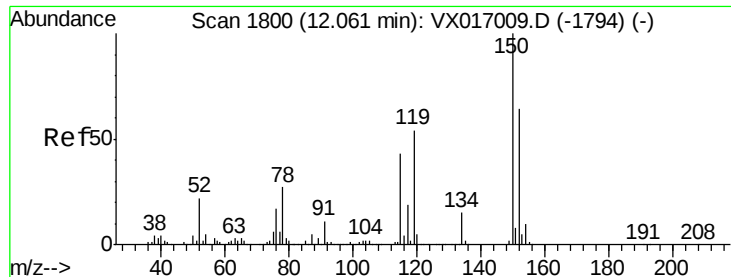


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017186.D

Acq: 06 Jul 2020 22:06

Instrument :

MSVOA_X

ClientSampleId :

11BR-20200629

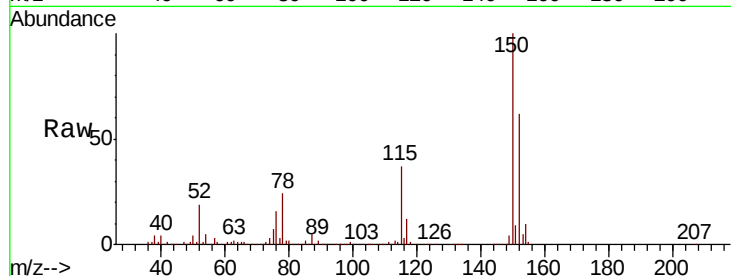
Tot Ion:152 Resp: 249134

Ion Ratio Lower Upper

152 100

115 57.0 40.9 122.7

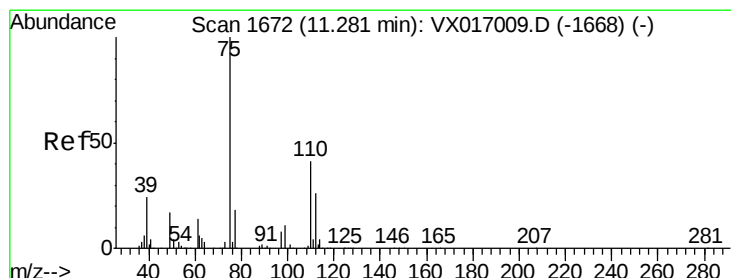
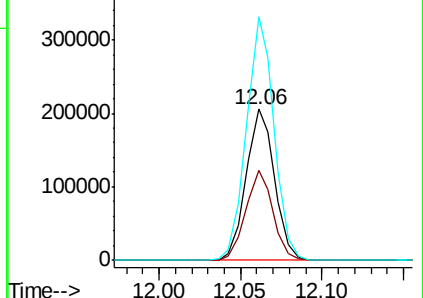
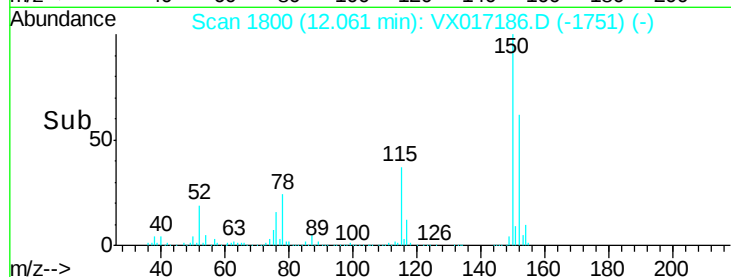
150 157.2 0.0 351.6



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: 22.646 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017186.D

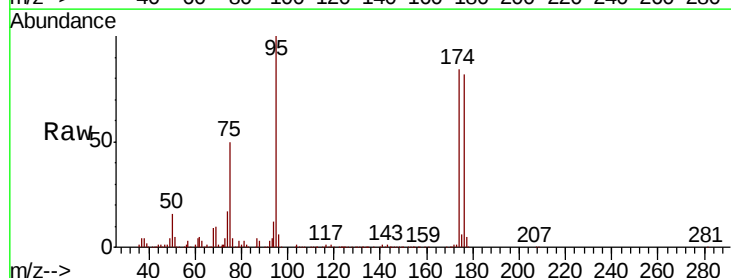
Acq: 06 Jul 2020 22:06

Tgt Ion: 75 Resp: 110943

Ion Ratio Lower Upper

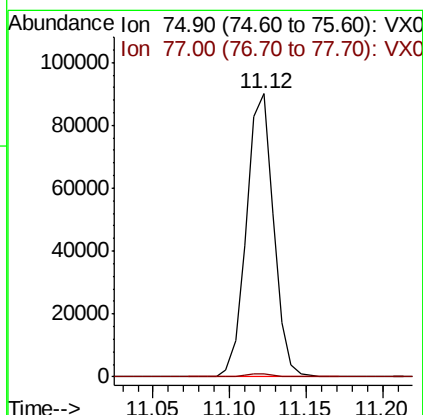
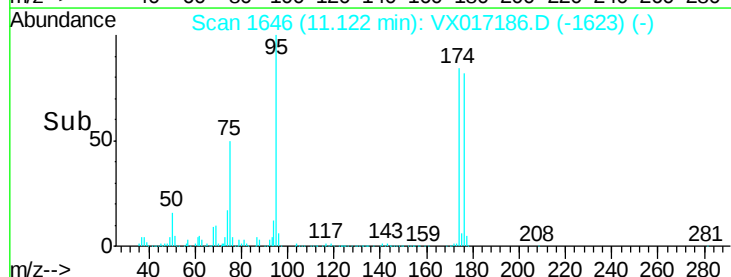
75 100

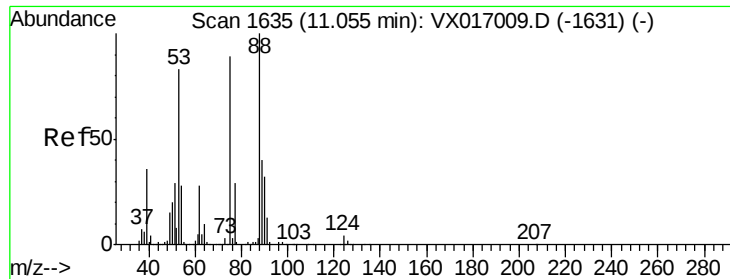
77 1.3 20.2 60.6#



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: 58.644 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017186.D

Acq: 06 Jul 2020 22:06

Instrument :

MSVOA_X

ClientSampleId :

11BR-20200629

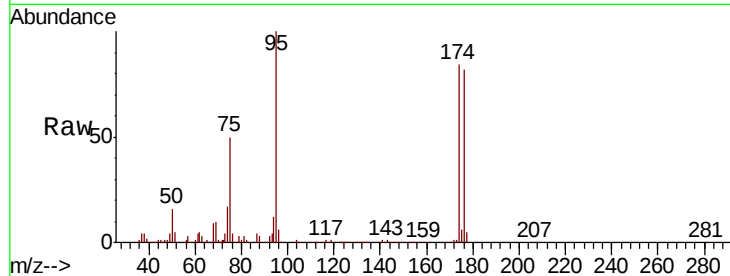
Tot Ion: 75 Resp: 110943

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

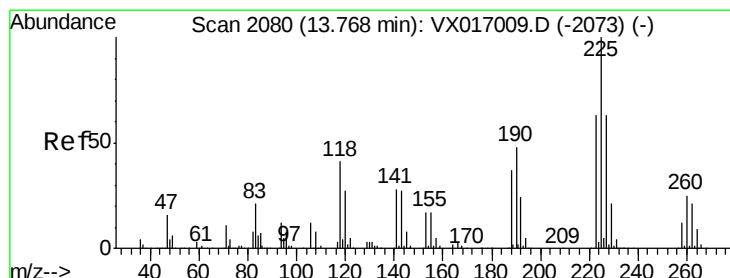
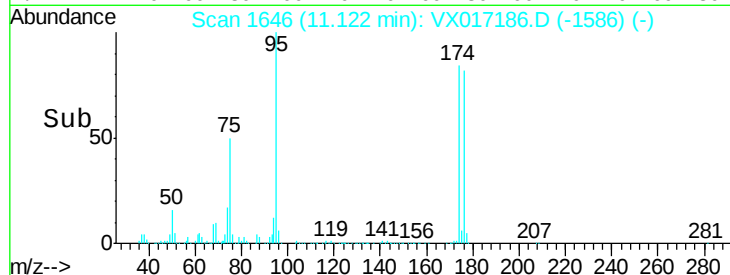
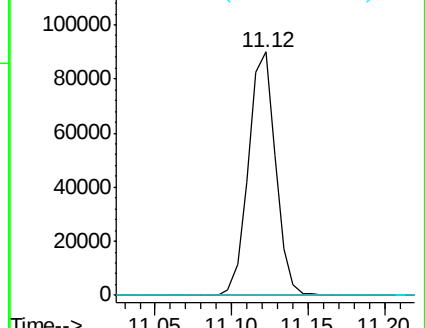
89 0.1 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#94

Hexachlorobutadiene

Concen: 0.854 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017186.D

Acq: 06 Jul 2020 22:06

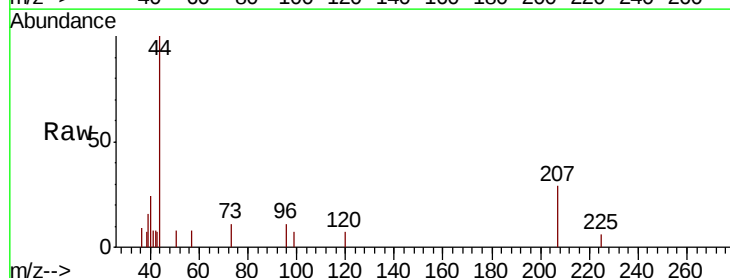
Tgt Ion: 225 Resp: 19

Ion Ratio Lower Upper

225 100

223 0.0 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

