

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\
 Data File : VX017025.D
 Acq On : 29 Jun 2020 22:20
 Operator : JC/SP
 Sample : L3112-03 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 61BR-20200624

Quant Time: Jun 30 05:33:44 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

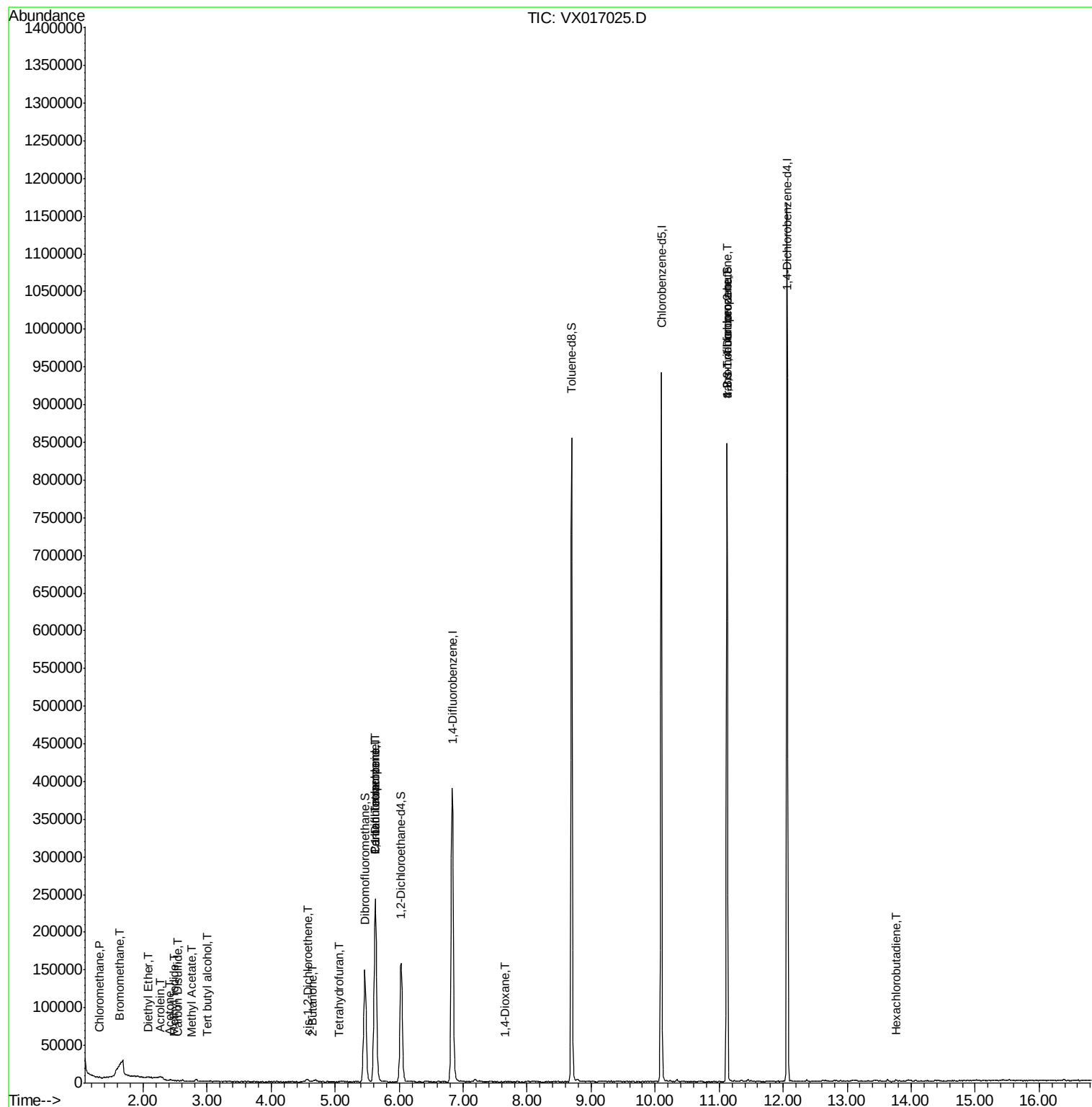
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	234531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	401524	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	433791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	231237	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	149839	51.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.64%	
35) Dibromofluoromethane	5.46	113	128212	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
50) Toluene-d8	8.70	98	494718	52.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.34%	
62) 4-Bromofluorobenzene	11.12	95	220857	60.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.30%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.31	50	818	0.298	ug/l	99
5) Bromomethane	1.62	94	552	0.410	ug/l	98
8) Diethyl Ether	2.08	74	86	0.433	ug/l	56
10) Methyl Iodide	2.49	142	1071	0.367	ug/l	92
11) Tert butyl alcohol	3.01	59	112	0.203	ug/l #	15
13) Acrolein	2.28	56	528	1.601	ug/l #	80
16) Acetone	2.42	43	1450	1.341	ug/l #	77
17) Carbon Disulfide	2.54	76	1199	0.208	ug/l #	74
18) Methyl Acetate	2.76	43	690	0.244	ug/l #	57
20) Methylene Chloride	2.82	84	1386	Below Cal	#	81
25) 2-Butanone	4.64	43	362	0.201	ug/l #	37
27) cis-1,2-Dichloroethene	4.57	96	2138	0.733	ug/l	98
29) Tetrahydrofuran	5.06	42	386	0.324	ug/l #	33
36) 1,1-Dichloropropene	5.63	75	17278	4.553	ug/l #	49
38) Carbon Tetrachloride	5.63	117	23275	5.568	ug/l #	17
44) Trichloroethene	7.20	130	794	Below Cal		82
49) 1,4-Dioxane	7.65	88	48	0.697	ug/l #	57
76) 1,2,3-Trichloropropane	11.12	75	110066	24.206	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	110066	62.684	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	442	Below Cal		80
94) Hexachlorobutadiene	13.77	225	92	0.894	ug/l #	17

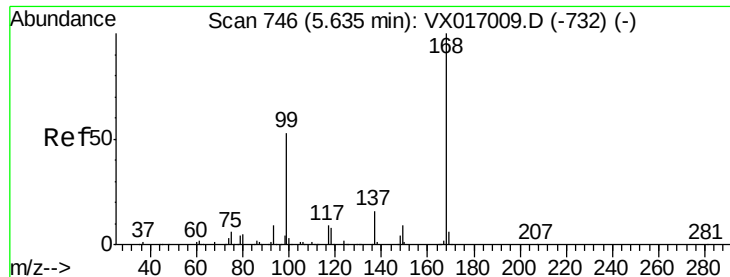
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX017025.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_X

ClientSampleId :

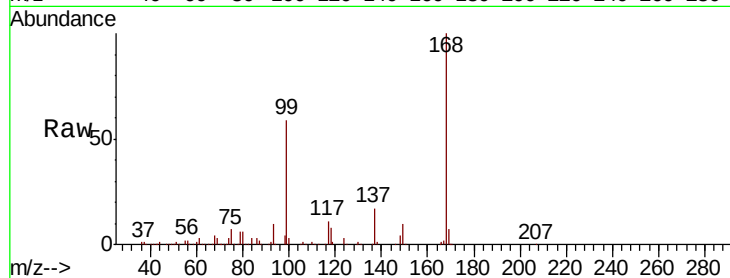
61BR-20200624

Tot Ion:168 Resp: 234531

Ion Ratio Lower Upper

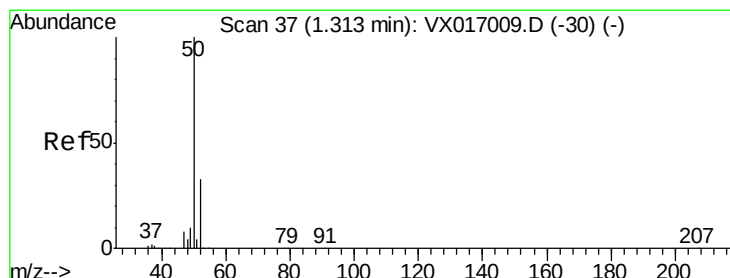
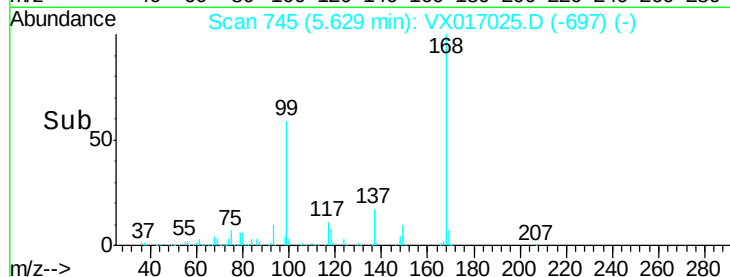
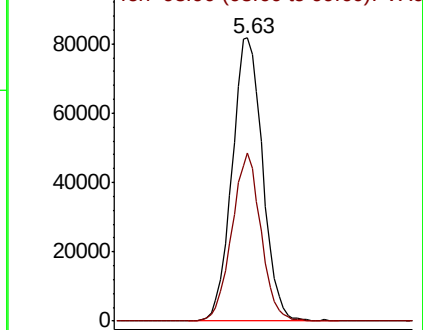
168 100

99 59.1 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.298 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017025.D

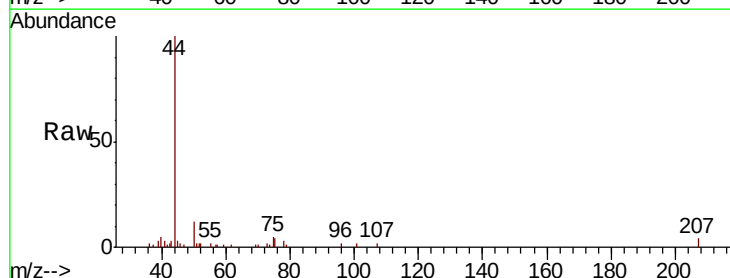
Acq: 29 Jun 2020 22:20

Tgt Ion: 50 Resp: 818

Ion Ratio Lower Upper

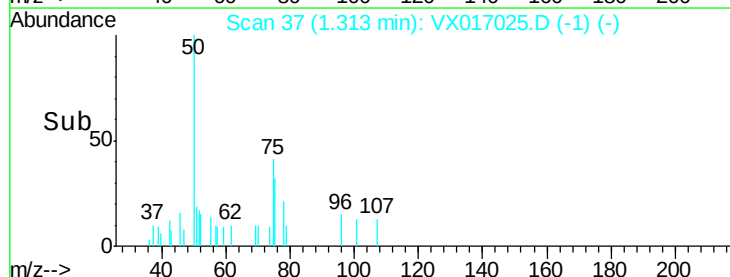
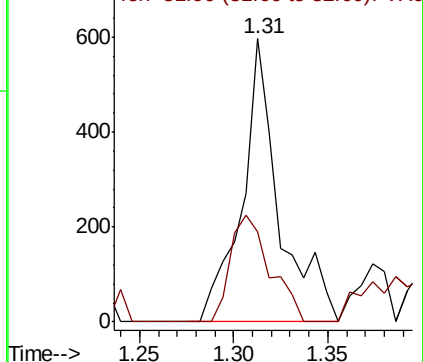
50 100

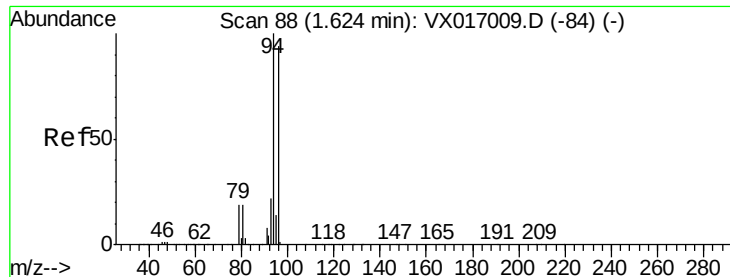
52 31.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.410 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017025.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_X

ClientSampleId :

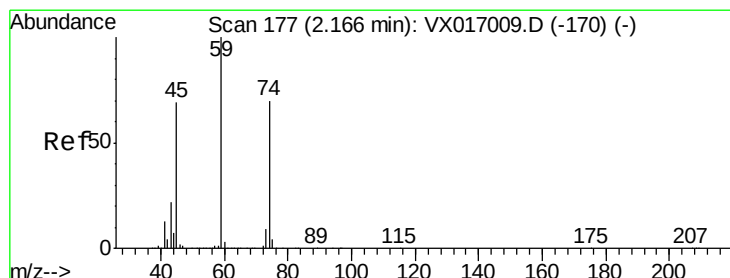
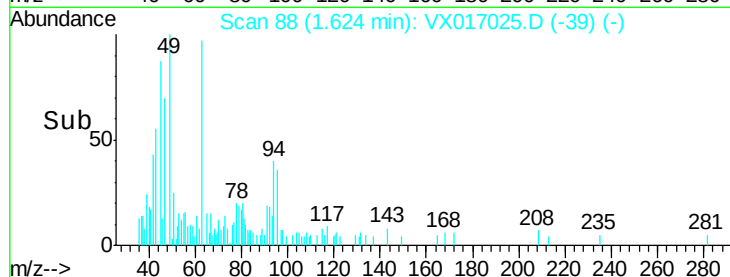
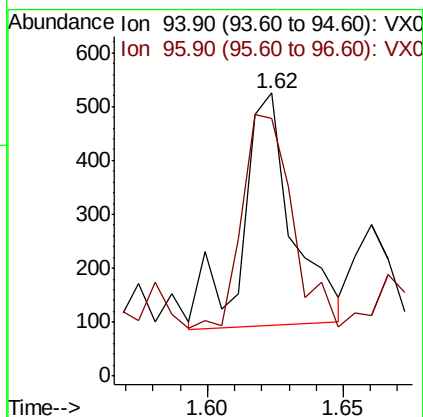
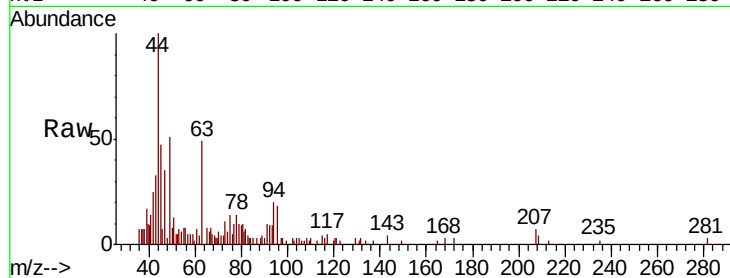
61BR-20200624

Tot Ion: 94 Resp: 552

Ion Ratio Lower Upper

94 100

96 91.8 75.0 112.4



#8

Diethyl Ether

Concen: 0.433 ug/l

RT: 2.08 min Scan# 163

Delta R.T. -0.09 min

Lab File: VX017025.D

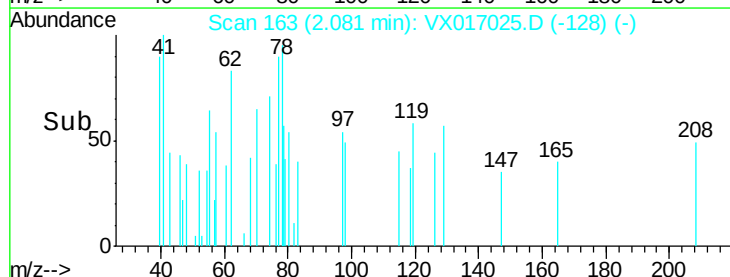
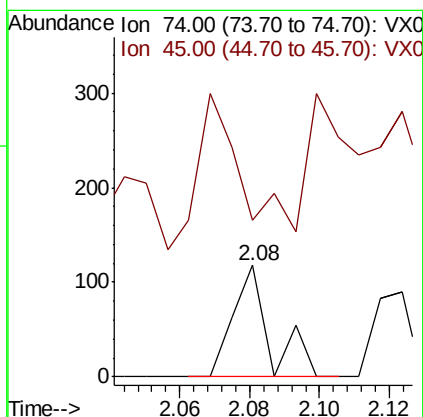
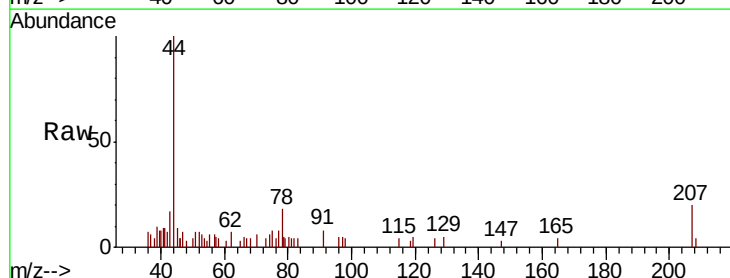
Acq: 29 Jun 2020 22:20

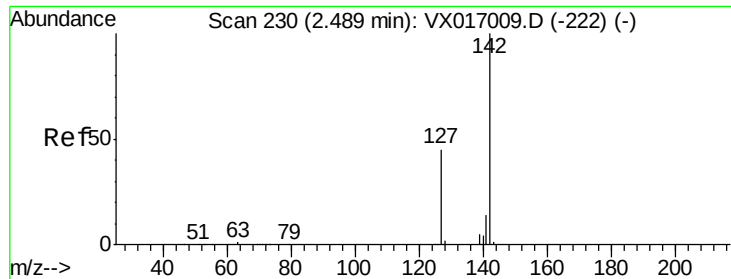
Tgt Ion: 74 Resp: 86

Ion Ratio Lower Upper

74 100

45 143.0 49.8 149.3

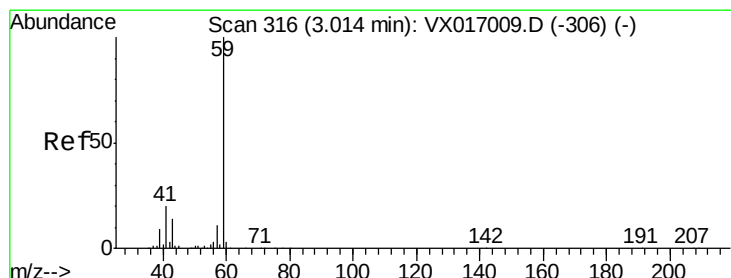
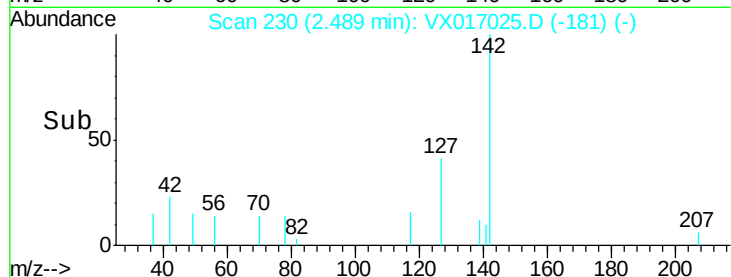
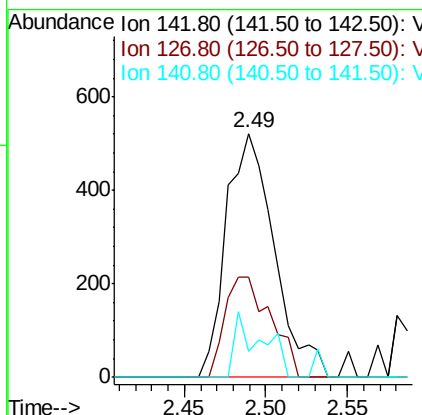
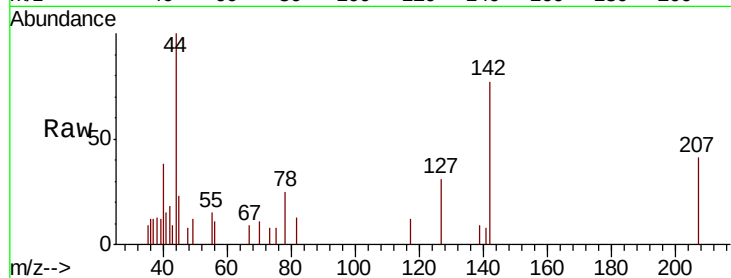




#10
Methvl Iodide
Concen: 0.367 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.00 min
Lab File: VX017025.D
Acq: 29 Jun 2020 22:20

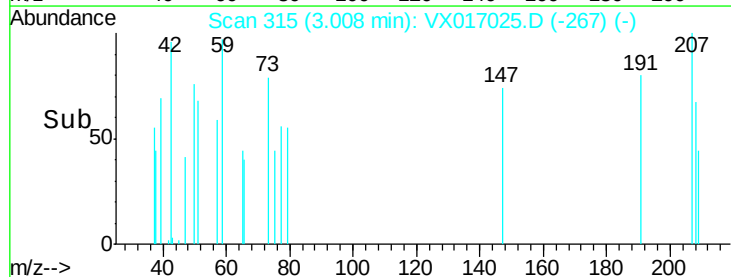
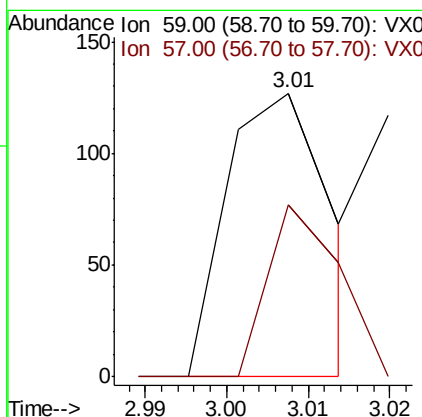
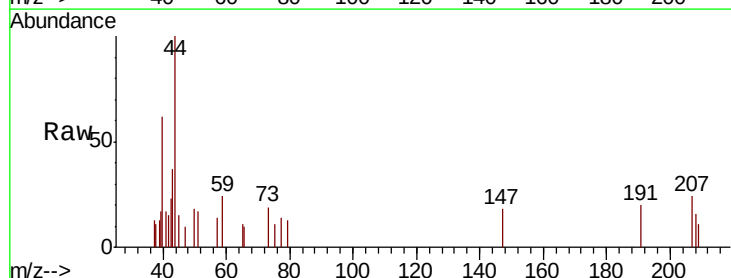
Instrument :
MSVOA_X
ClientSampleId :
61BR-20200624

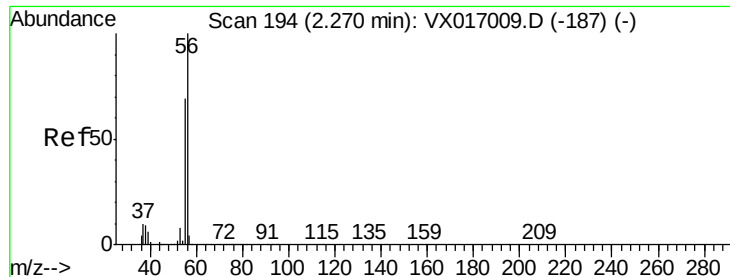
Tot Ion:142 Resp: 1071
Ion Ratio Lower Upper
142 100
127 38.9 36.6 54.8
141 14.8 11.6 17.4



#11
Tert butyl alcohol
Concen: 0.203 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017025.D
Acq: 29 Jun 2020 22:20

Tgt Ion: 59 Resp: 112
Ion Ratio Lower Upper
59 100
57 42.0 8.2 12.2#





#13

Acrolein

Concen: 1.601 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX017025.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_X

ClientSampled :

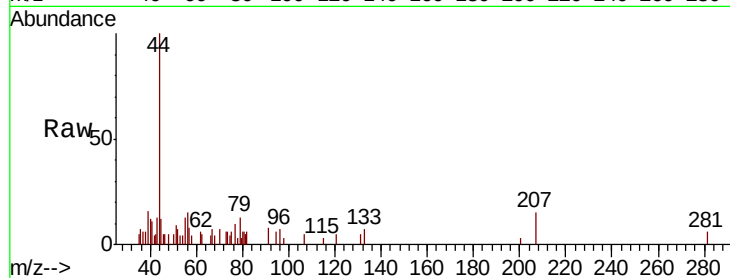
61BR-20200624

Tot Ion: 56 Resp: 528

Ion Ratio Lower Upper

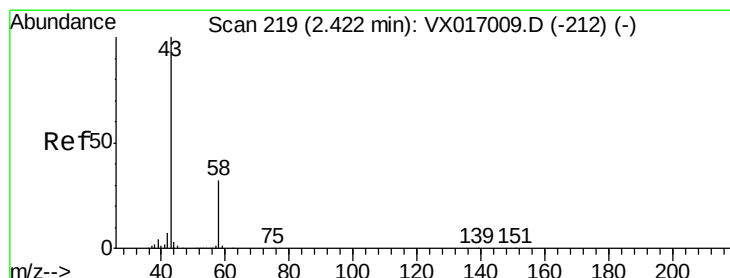
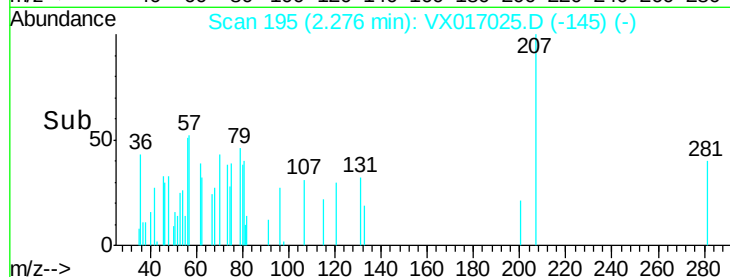
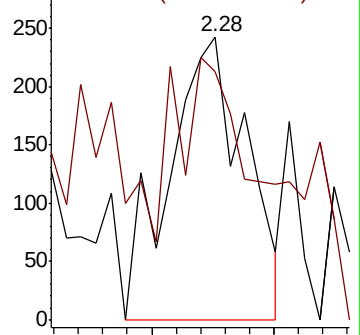
56 100

55 53.6 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: 1.341 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017025.D

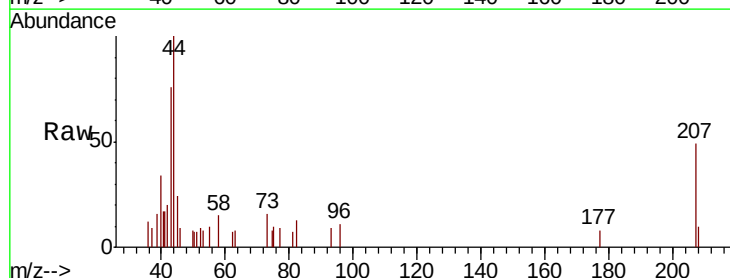
Acq: 29 Jun 2020 22:20

Tgt Ion: 43 Resp: 1450

Ion Ratio Lower Upper

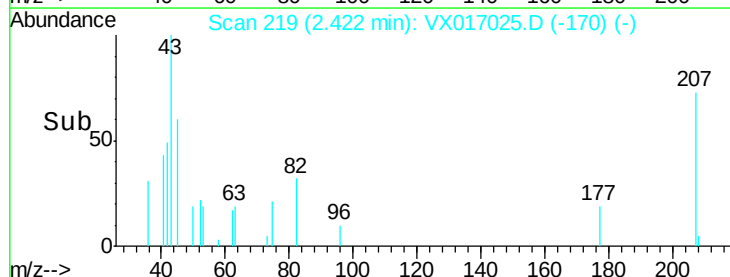
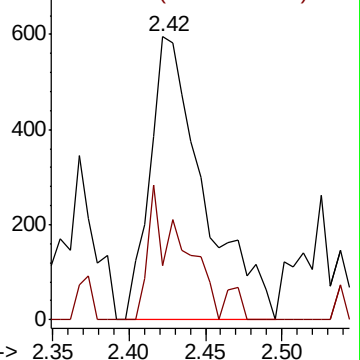
43 100

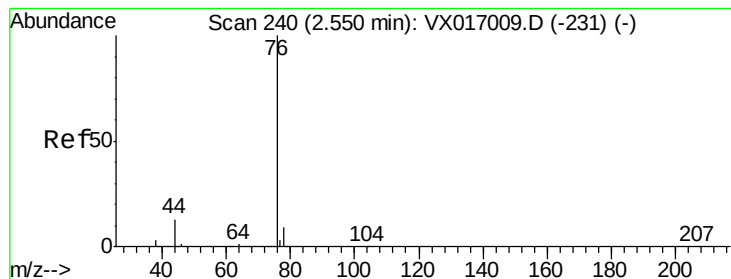
58 19.3 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.208 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX017025.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_X

ClientSampleId :

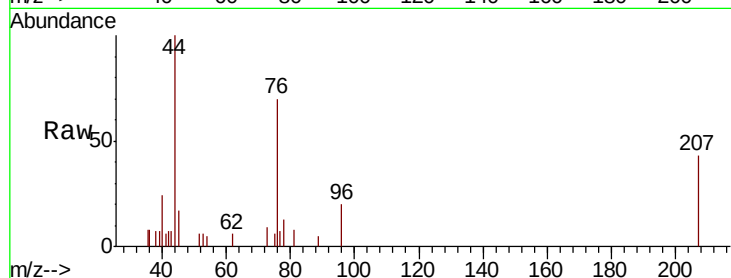
61BR-20200624

Tot Ion: 76 Resp: 1199

Ion Ratio Lower Upper

76 100

78 18.5 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.54

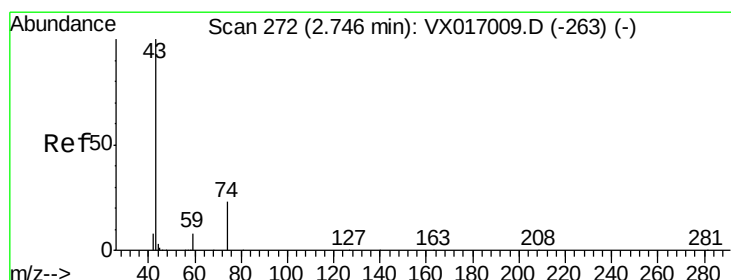
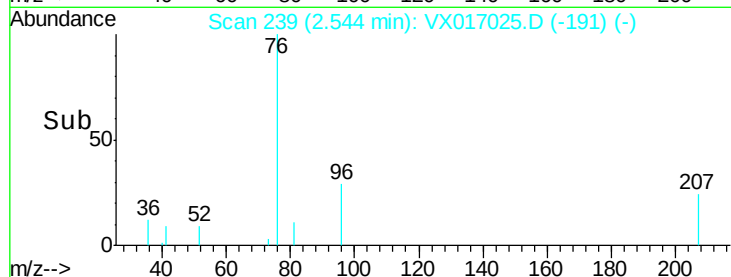
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 0.244 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX017025.D

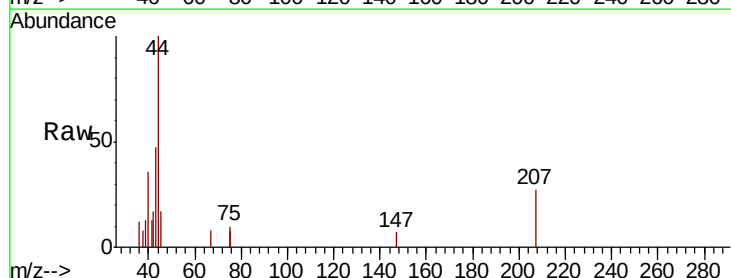
Acq: 29 Jun 2020 22:20

Tgt Ion: 43 Resp: 690

Ion Ratio Lower Upper

43 100

74 2.9 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

400

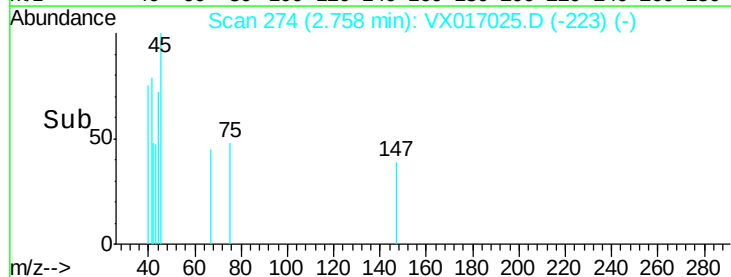
300

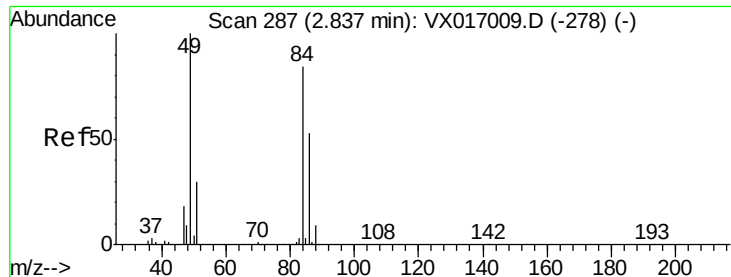
200

100

0

Time-->

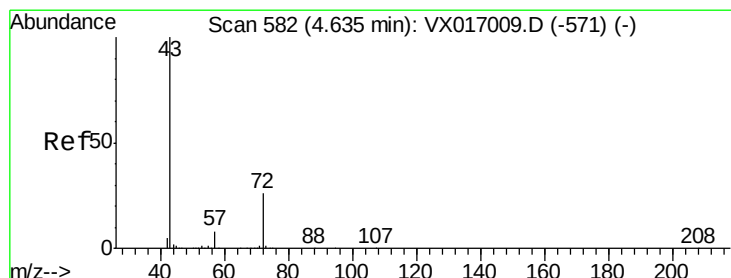
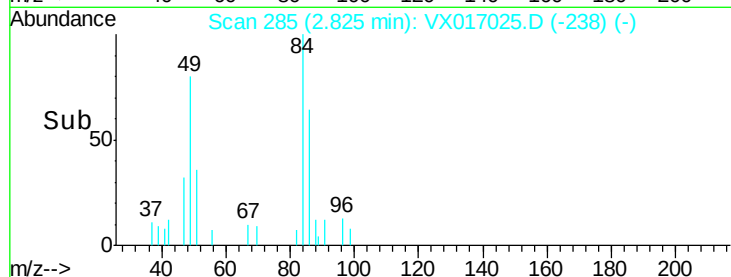
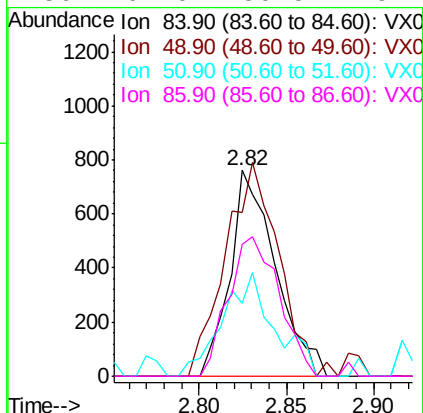
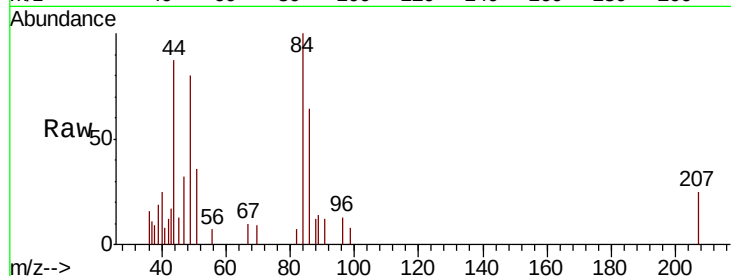




#20
Methylene Chloride
Concen: Below Cal
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX017025.D
Acq: 29 Jun 2020 22:20

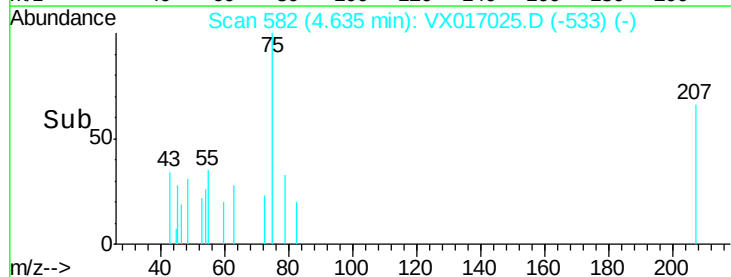
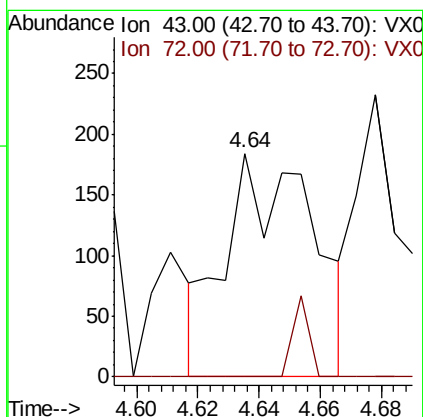
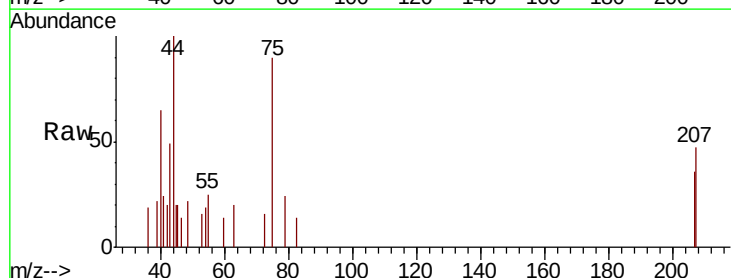
Instrument :
MSVOA_X
ClientSampleId :
61BR-20200624

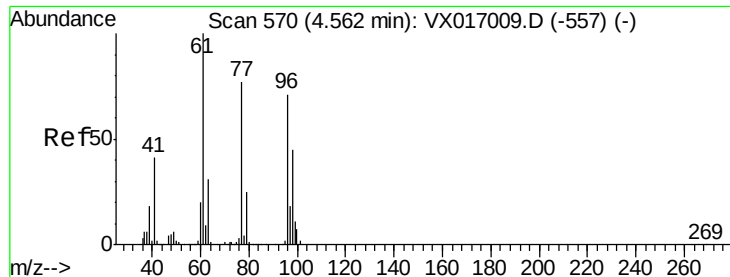
Tot Ion: 84 Resp: 1386
Ion Ratio Lower Upper
84 100
49 79.8 94.7 142.1#
51 35.7 28.6 42.8
86 64.0 50.5 75.7



#25
2-Butanone
Concen: 0.201 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX017025.D
Acq: 29 Jun 2020 22:20

Tgt Ion: 43 Resp: 362
Ion Ratio Lower Upper
43 100
72 57.9 20.8 31.2#



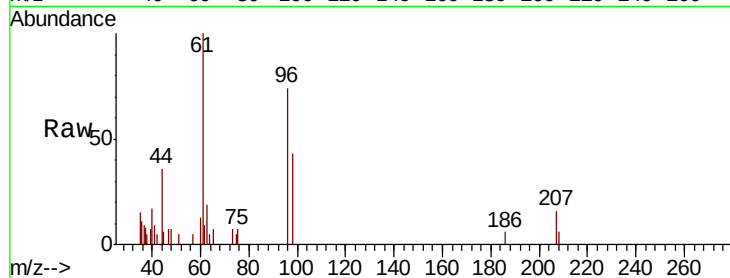


#27

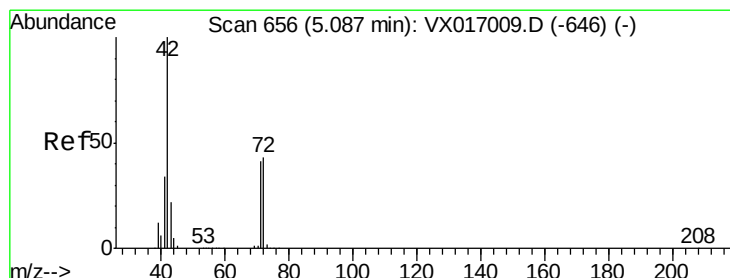
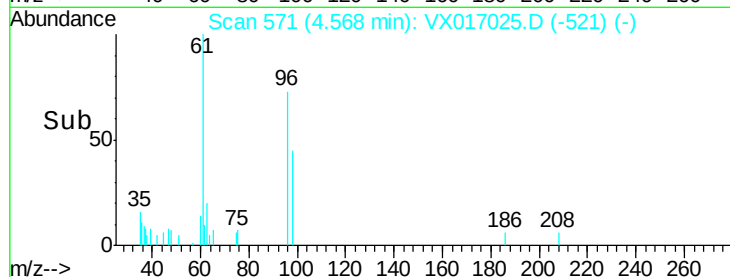
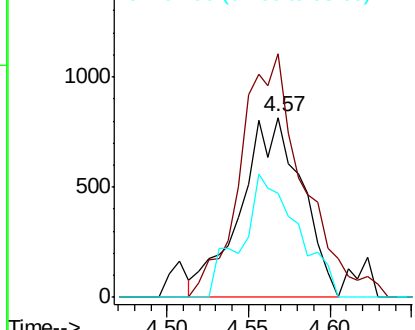
cis-1,2-Dichloroethene
 Concen: 0.733 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX017025.D
 Acq: 29 Jun 2020 22:20

Instrument :
 MSVOA_X
 ClientSampleId :
 61BR-20200624

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	282.8
98	63.0	0.0	127.6



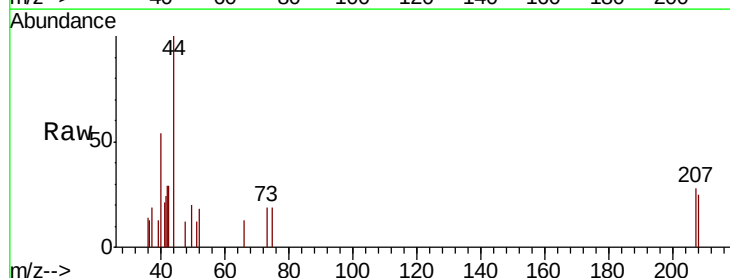
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



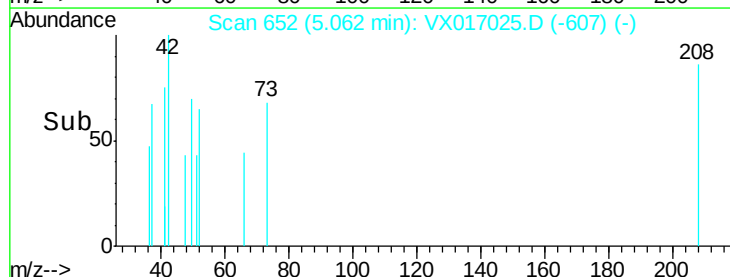
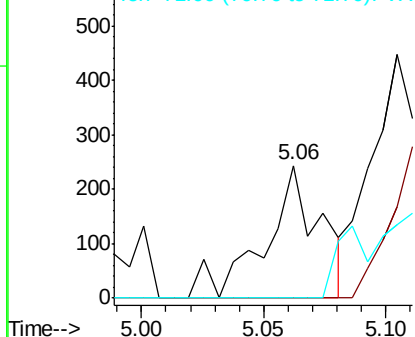
#29

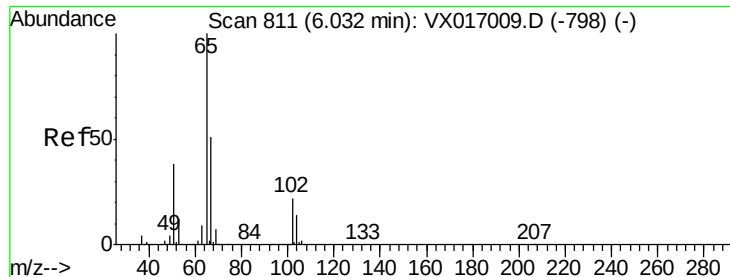
Tetrahydrofuran
 Concen: 0.324 ug/l
 RT: 5.06 min Scan# 652
 Delta R.T. -0.02 min
 Lab File: VX017025.D
 Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.3	52.9#
71	0.0	33.1	49.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0

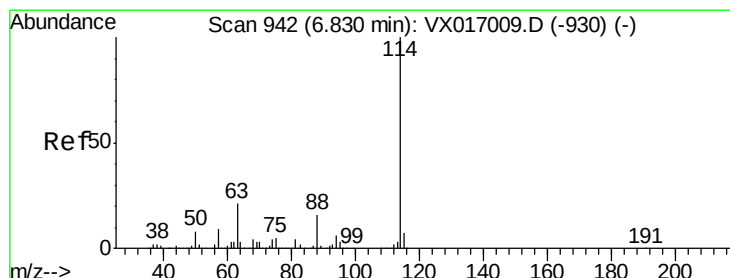
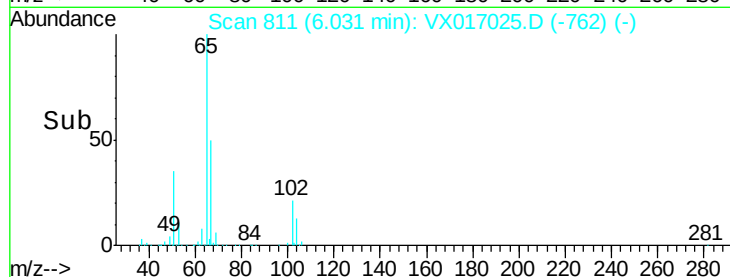
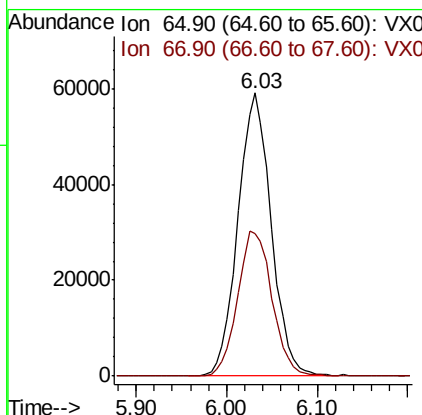
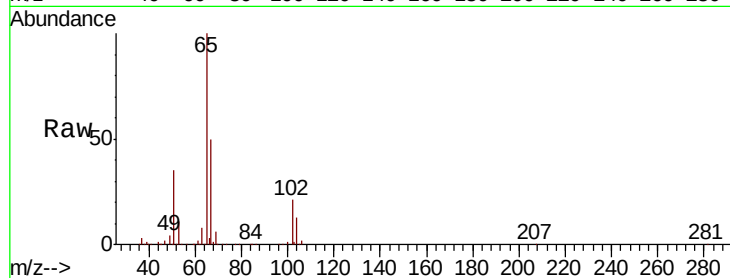




#33
 1,2-Dichloroethane-d4
 Concen: 51.824 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017025.D
 Acq: 29 Jun 2020 22:20

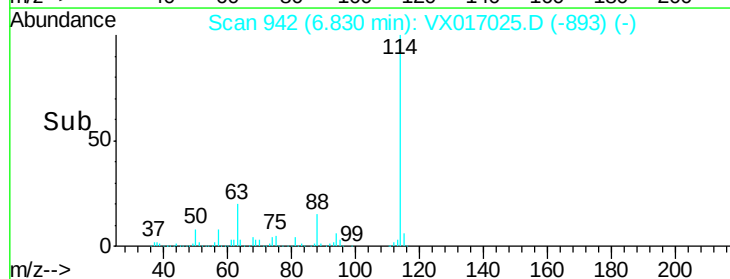
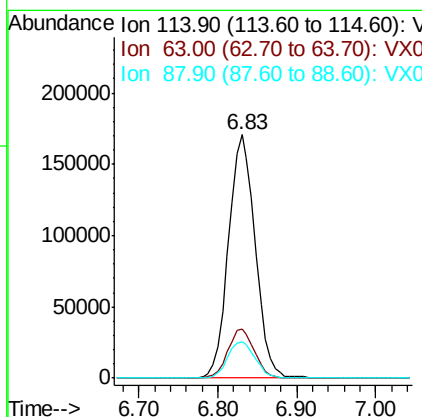
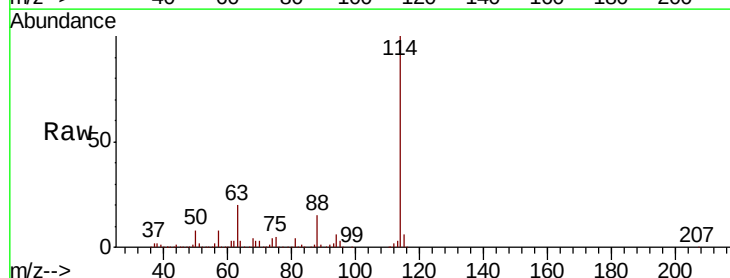
Instrument :
 MSVOA_X
 ClientSampleId :
 61BR-20200624

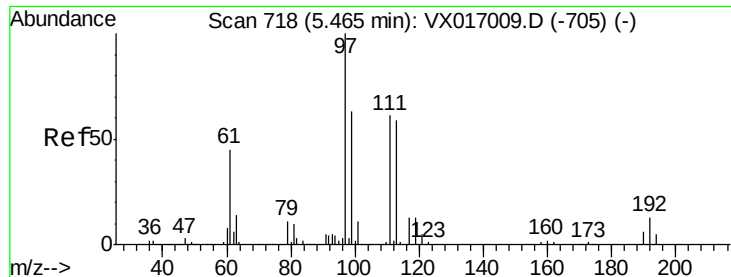
Tot Ion: 65 Resp: 149839
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017025.D
 Acq: 29 Jun 2020 22:20

Tgt Ion: 114 Resp: 401524
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.4
 88 15.0 0.0 32.4

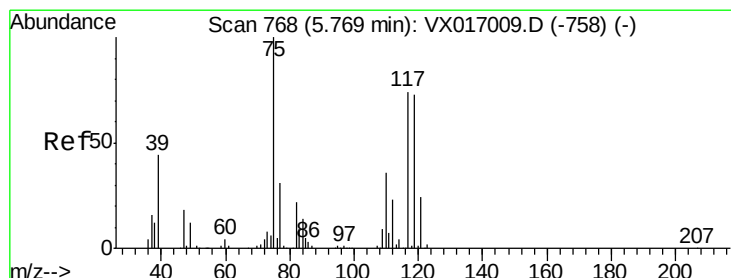
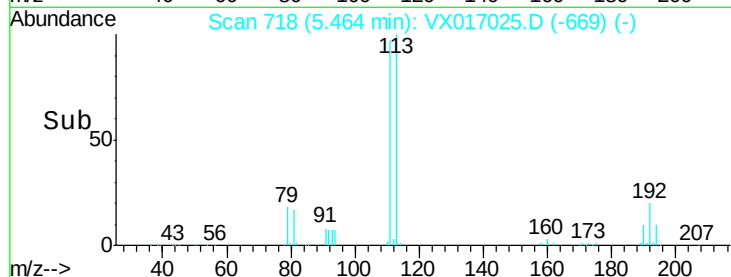
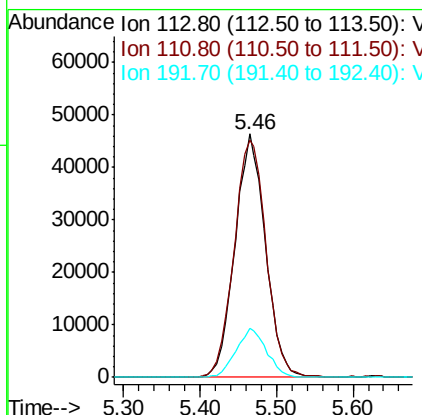
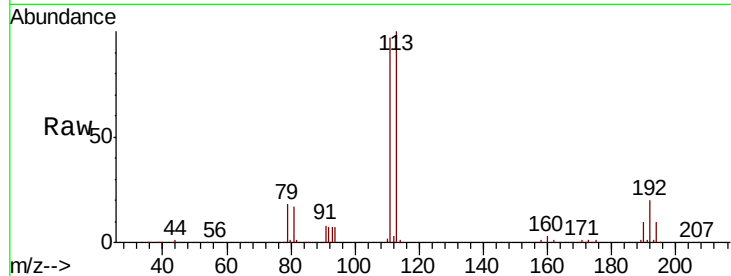




#35
 Dibromofluoromethane
 Concen: 50.479 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX017025.D
 Acq: 29 Jun 2020 22:20

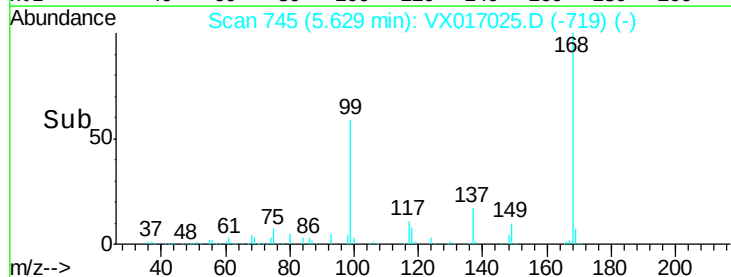
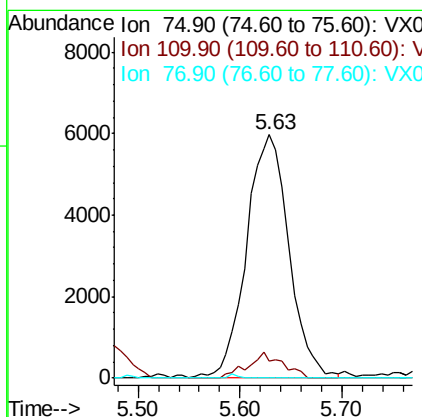
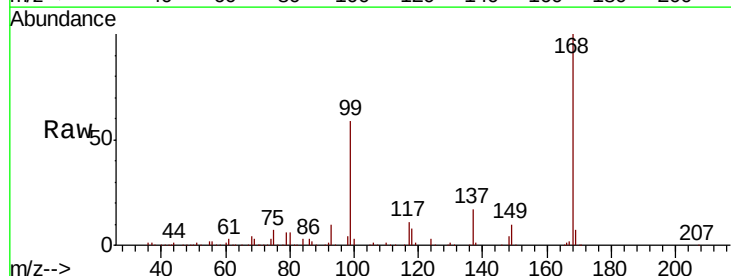
Instrument :
 MSVOA_X
 ClientSampleId :
 61BR-20200624

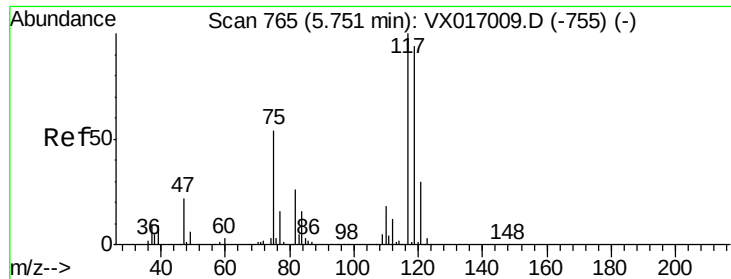
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	20.1	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.553 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017025.D
 Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.1#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.568 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017025.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_X

ClientSampleId :

61BR-20200624

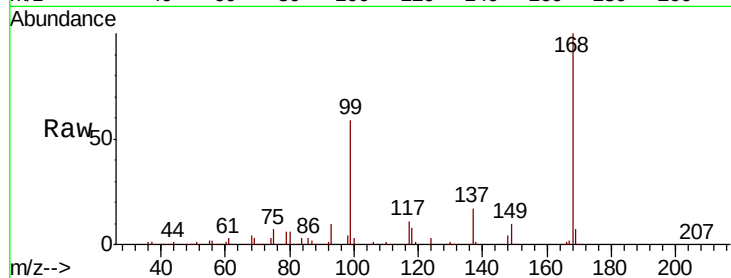
Tot Ion:117 Resp: 23275

Ion Ratio Lower Upper

117 100

119 5.4 75.4 113.0#

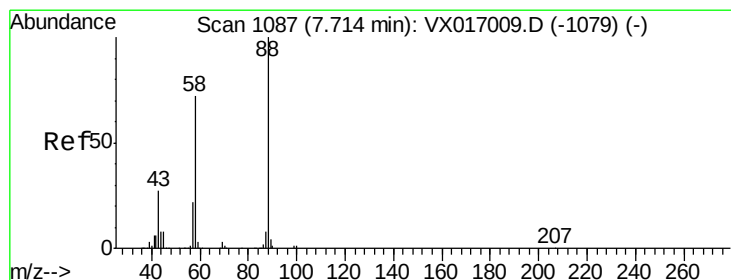
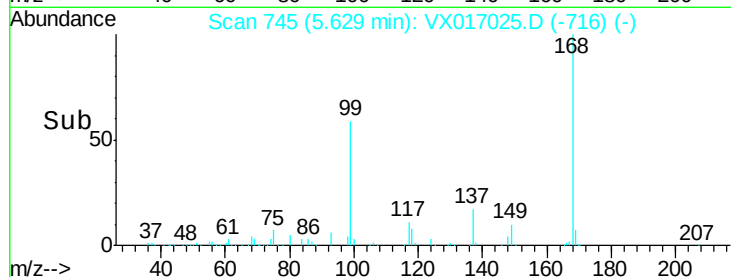
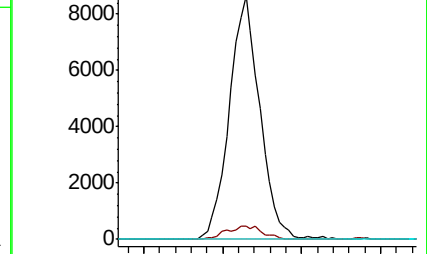
121 0.0 23.8 35.6#



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



#49

1,4-Dioxane

Concen: 0.697 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.06 min

Lab File: VX017025.D

Acq: 29 Jun 2020 22:20

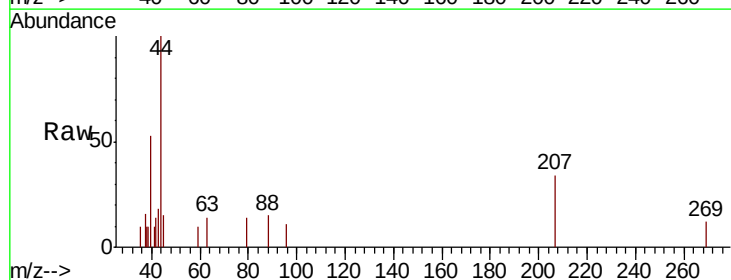
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.8#

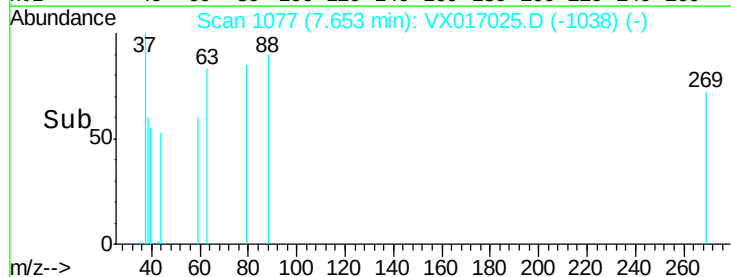
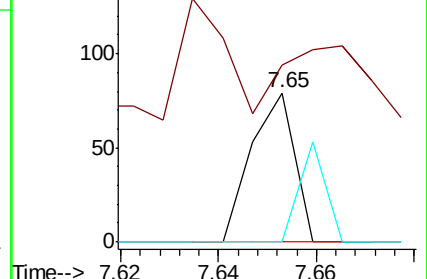
58 39.6 54.8 82.2#

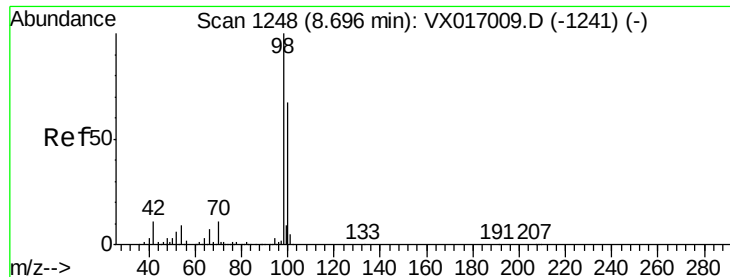


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.674 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017025.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_X

ClientSampleId :

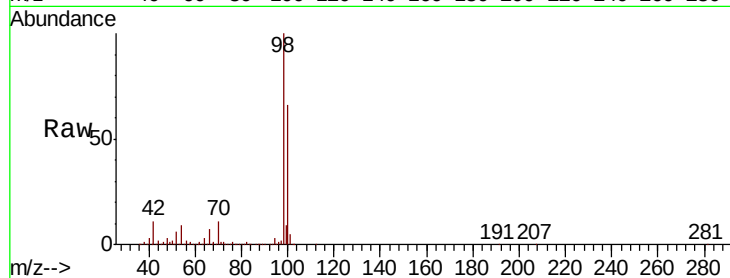
61BR-20200624

Tot Ion: 98 Resp: 494718

Ion Ratio Lower Upper

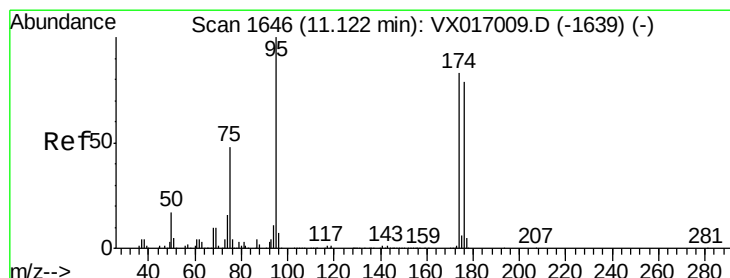
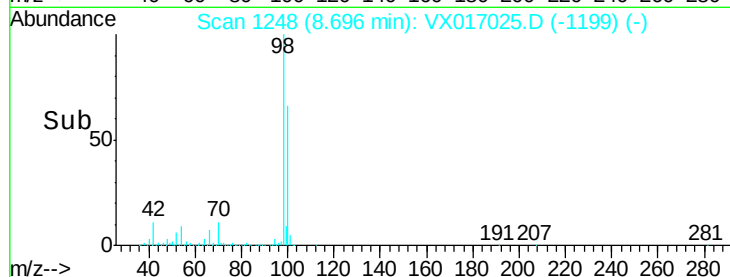
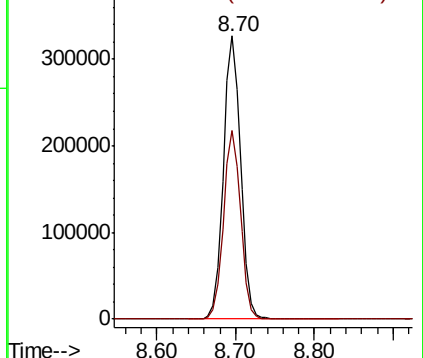
98 100

100 66.0 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 60.155 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017025.D

Acq: 29 Jun 2020 22:20

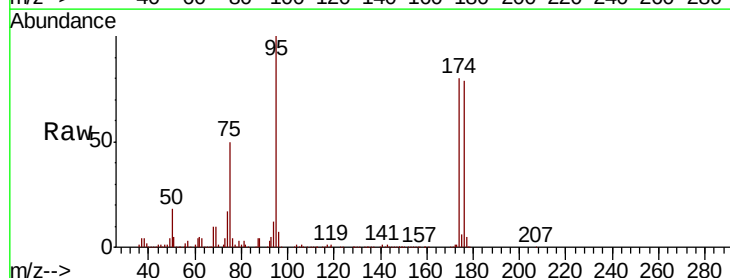
Tgt Ion: 95 Resp: 220857

Ion Ratio Lower Upper

95 100

174 80.5 0.0 164.0

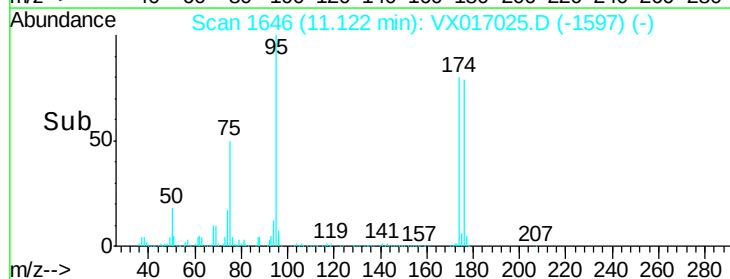
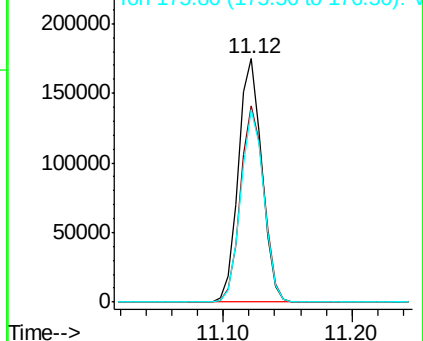
176 77.8 0.0 157.6

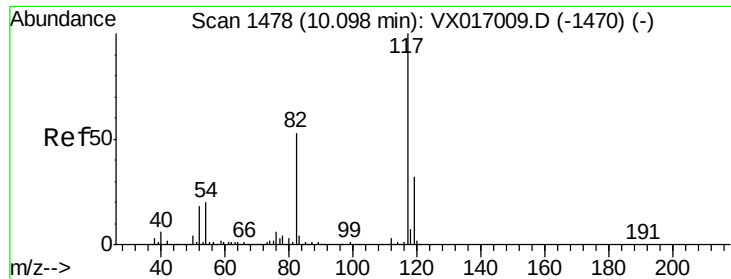


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

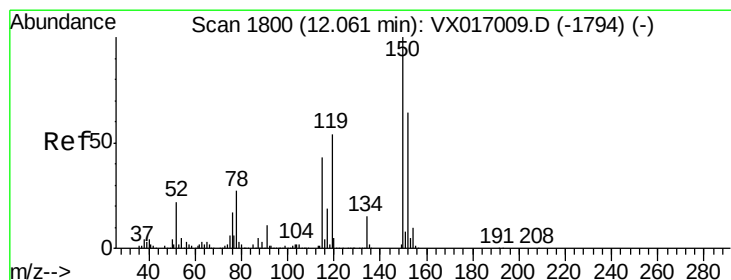
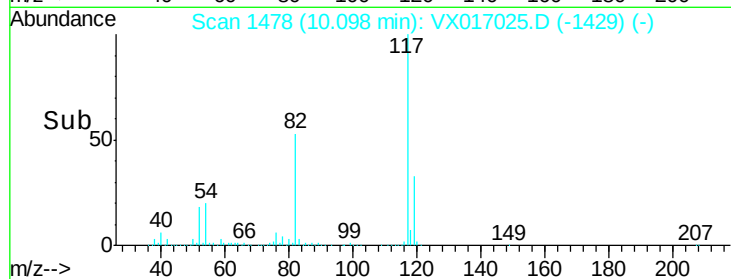
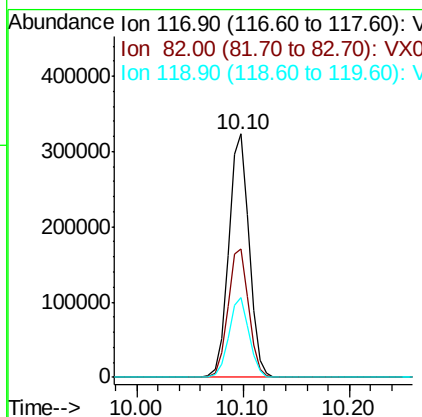
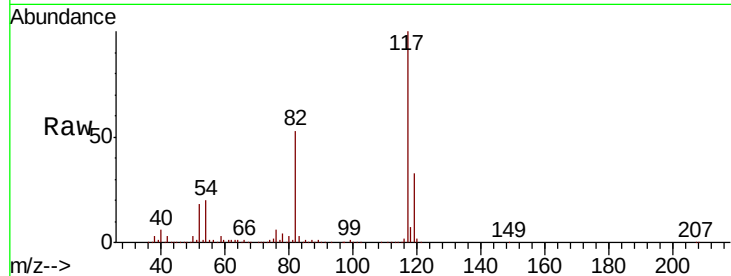




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017025.D
Acq: 29 Jun 2020 22:20

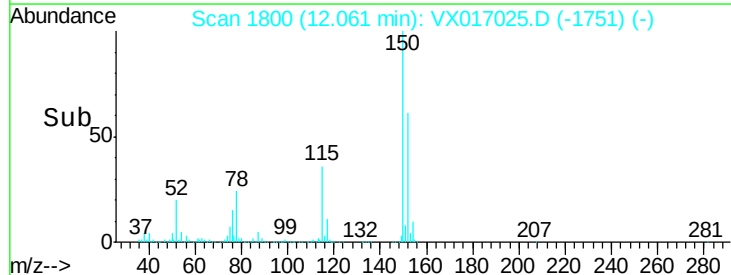
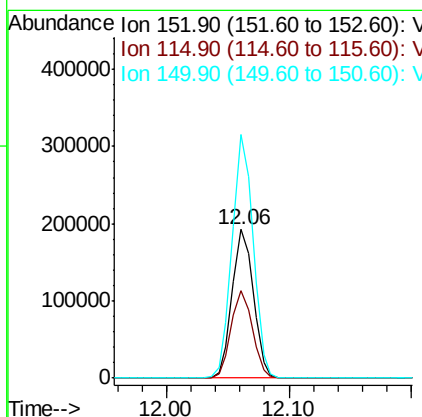
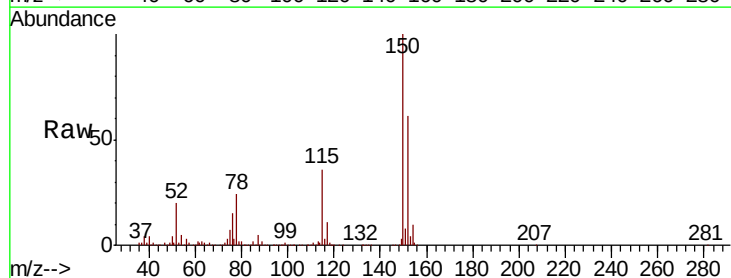
Instrument :
MSVOA_X
ClientSampleId :
61BR-20200624

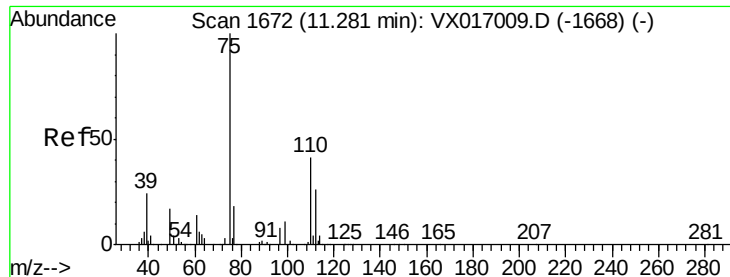
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.6	63.8
119	32.9	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017025.D
Acq: 29 Jun 2020 22:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	40.9	122.7
150	161.5	0.0	351.6





#76

1,2,3-Trichloropropane

Concen: 24.206 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017025.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_X

ClientSampleId :

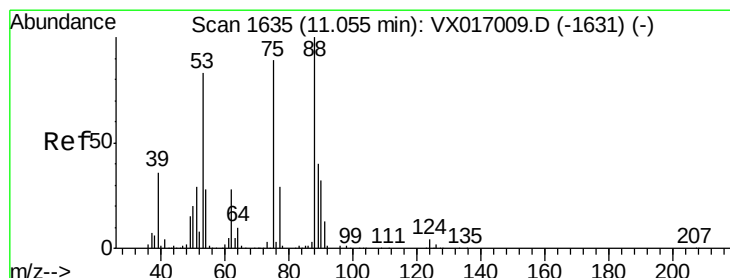
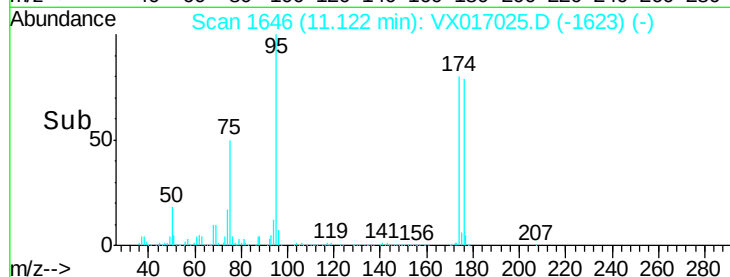
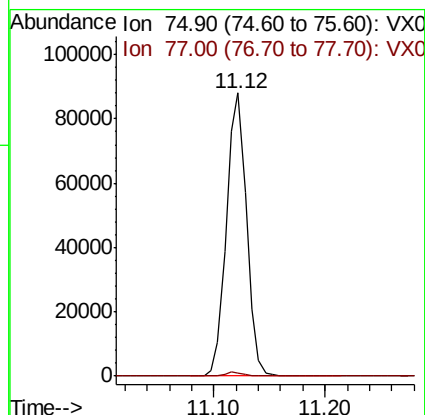
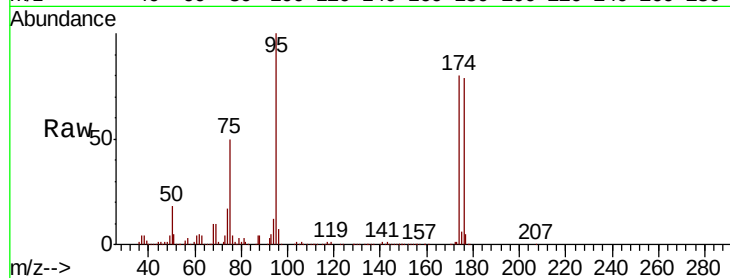
61BR-20200624

Tot Ion: 75 Resp: 110066

Ion Ratio Lower Upper

75 100

77 1.5 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.684 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017025.D

Acq: 29 Jun 2020 22:20

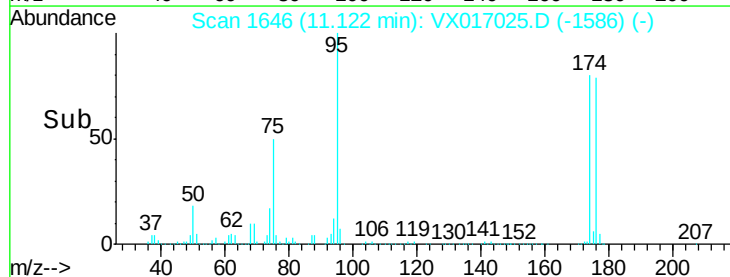
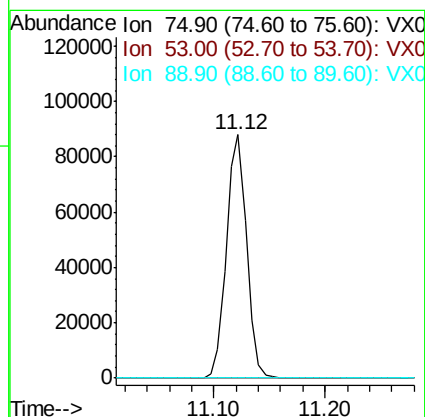
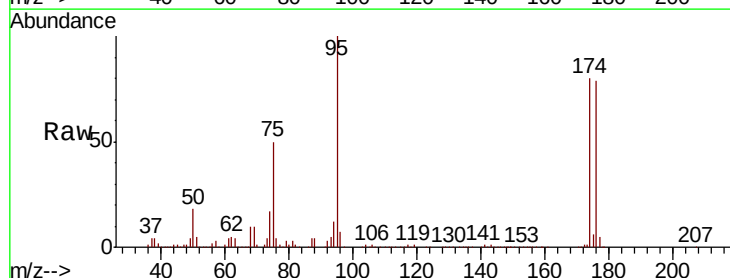
Tgt Ion: 75 Resp: 110066

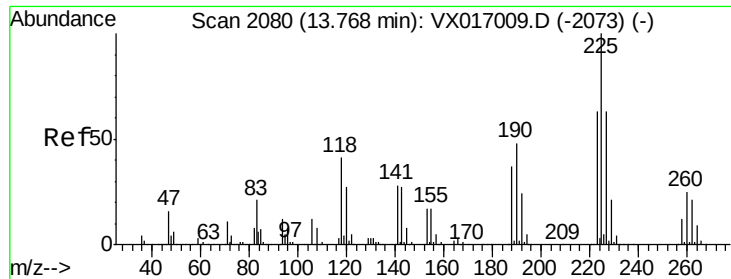
Ion Ratio Lower Upper

75 100

53 0.0 72.4 108.6#

89 0.1 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.894 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017025.D

Acq: 29 Jun 2020 22:20

Instrument :

MSVOA_X

ClientSampleId :

61BR-20200624

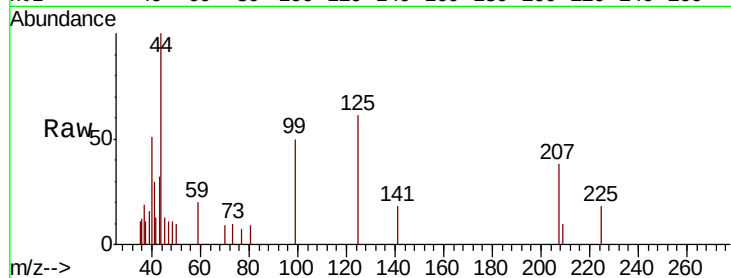
Tot Ion:225 Resp: 92

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

