

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017125.D
 Acq On : 02 Jul 2020 02:15
 Operator : JC/SP
 Sample : L3159-12 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 17BR-20200629

Quant Time: Jul 02 04:22:00 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

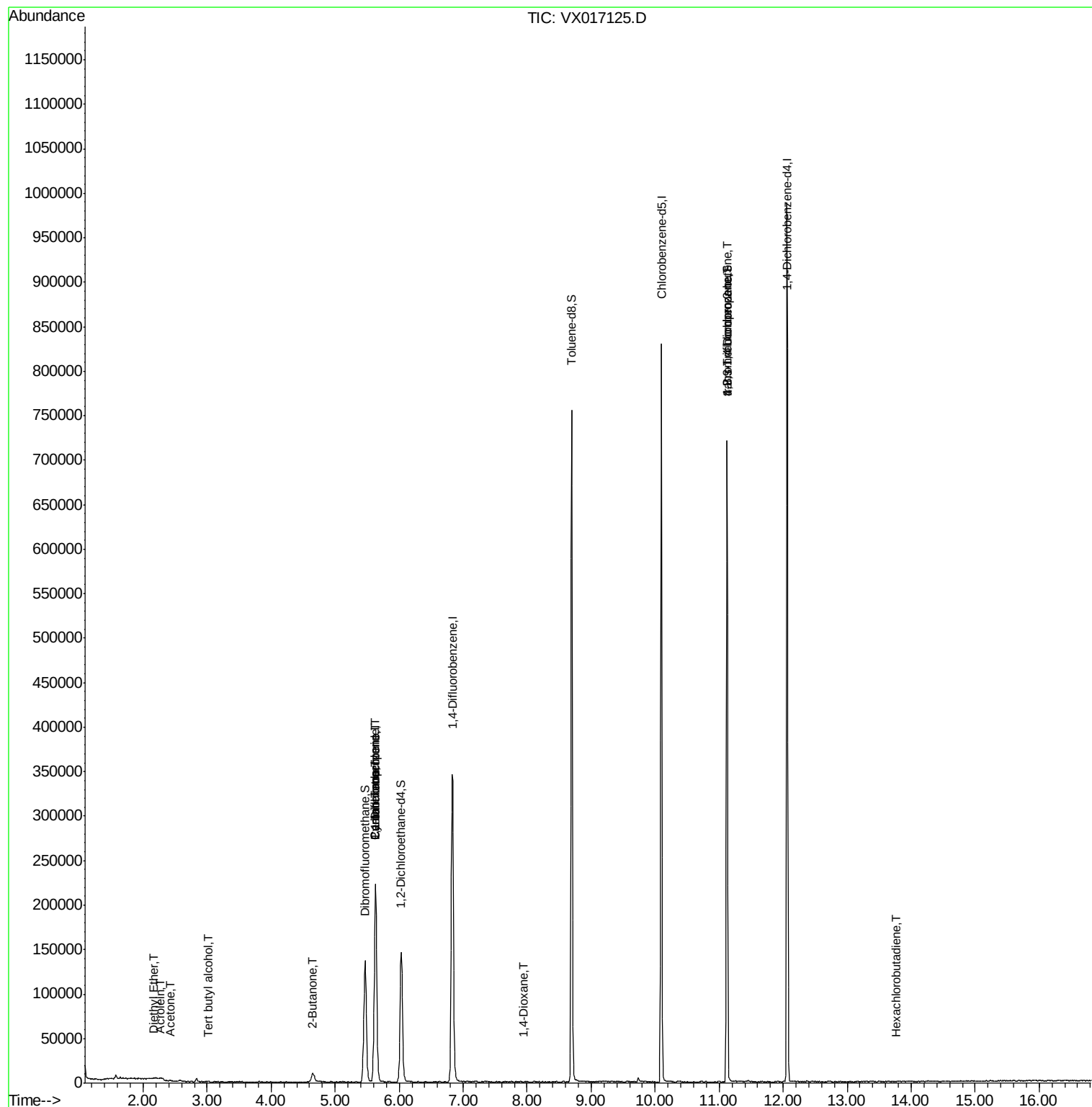
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	211245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	355132	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	375095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201223	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	141010	54.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.30%	
35) Dibromofluoromethane	5.47	113	118912	52.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.86%	
50) Toluene-d8	8.70	98	438829	52.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.66%	
62) 4-Bromofluorobenzene	11.12	95	182678	56.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.52%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	345	0.665	ug/l	84
11) Tert butyl alcohol	3.02	59	369	0.743	ug/l #	73
13) Acrolein	2.26	56	266	0.896	ug/l #	56
16) Acetone	2.42	43	1402	1.439	ug/l #	78
20) Methylene Chloride	2.83	84	1560	Below Cal		95
25) 2-Butanone	4.65	43	1198	0.738	ug/l #	49
31) Cyclohexane	5.63	56	4559	1.297	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15565	4.637	ug/l #	41
38) Carbon Tetrachloride	5.63	117	20247	5.477	ug/l #	16
44) Trichloroethene	7.20	130	196	Below Cal		44
49) 1,4-Dioxane	7.94	88	20	0.328	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	91150	23.035	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	91150	59.654	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	469	Below Cal	#	59
94) Hexachlorobutadiene	13.76	225	59	0.881	ug/l #	17

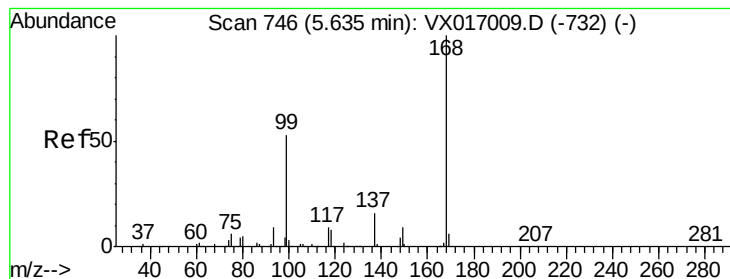
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 02 04:22:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
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: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017125.D

Acq: 02 Jul 2020 02:15

Instrument :

MSVOA_X

ClientSampleId :

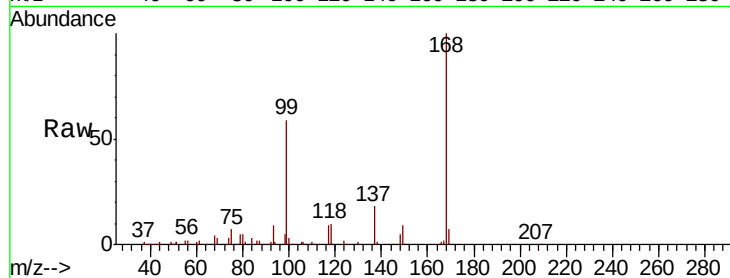
17BR-20200629

Tot Ion:168 Resp: 211245

Ion Ratio Lower Upper

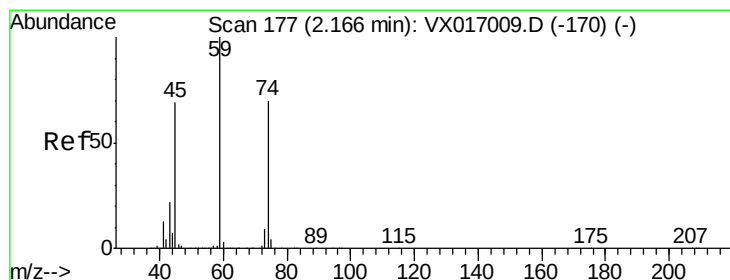
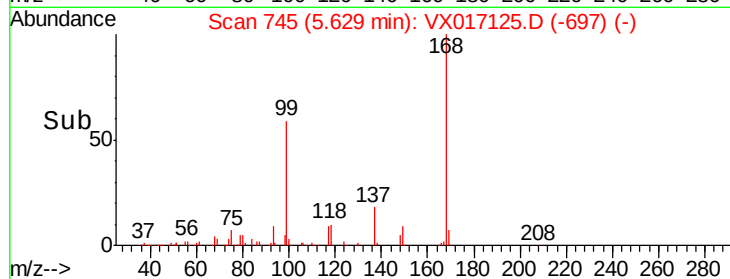
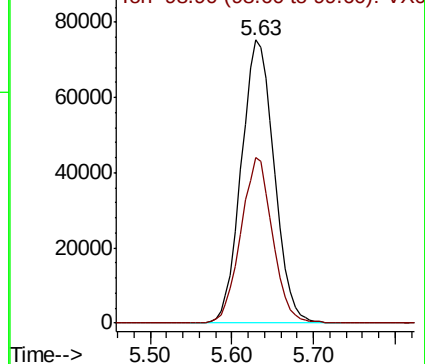
168 100

99 58.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.665 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017125.D

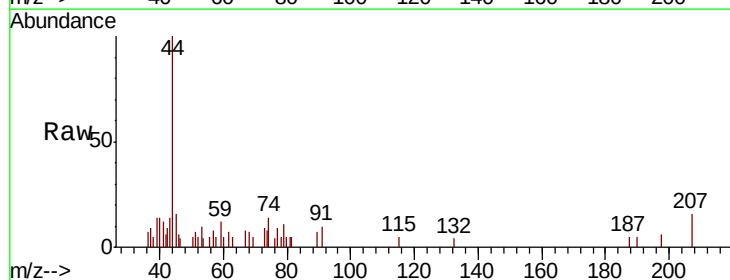
Acq: 02 Jul 2020 02:15

Tgt Ion: 74 Resp: 345

Ion Ratio Lower Upper

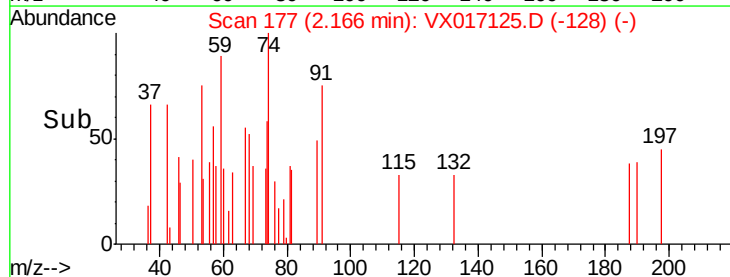
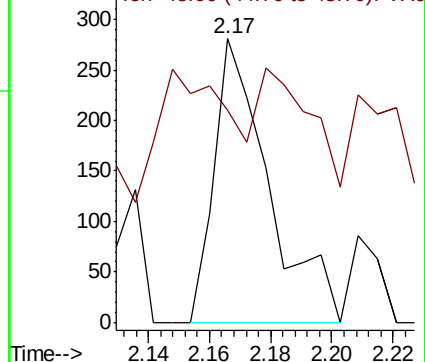
74 100

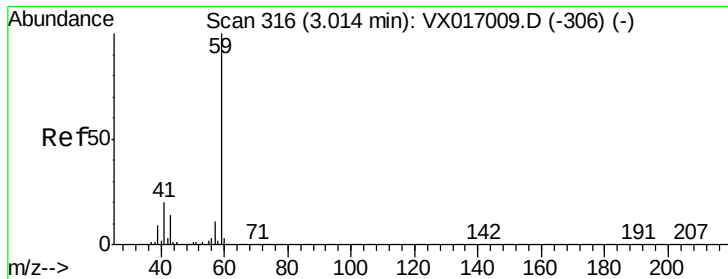
45 83.5 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



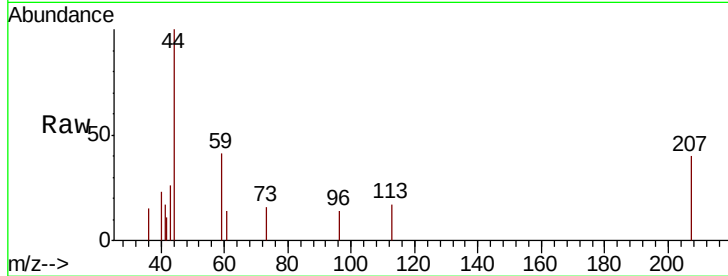


#11

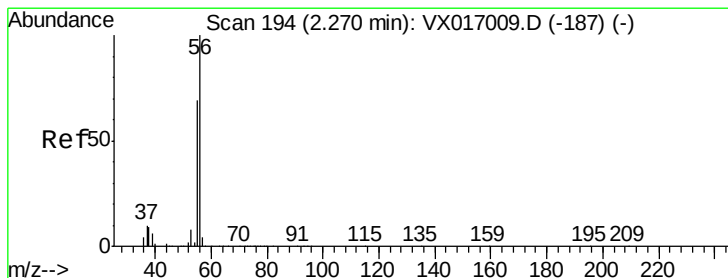
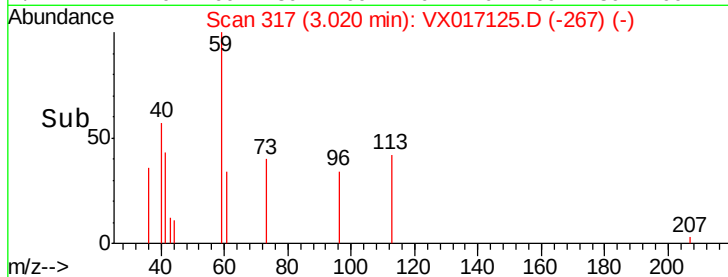
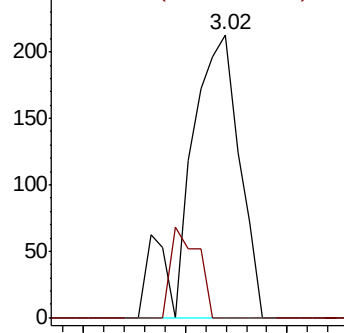
Tert butyl alcohol
Concen: 0.743 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017125.D
Acq: 02 Jul 2020 02:15

Instrument :
MSVOA_X
ClientSampleId :
17BR-20200629

Tot Ion: 59 Resp: 369
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



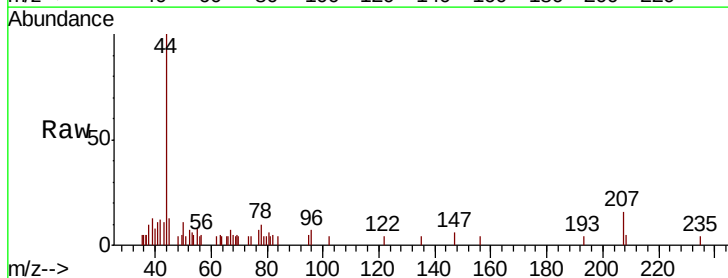
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



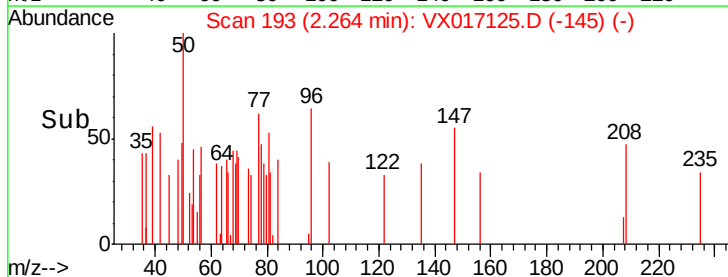
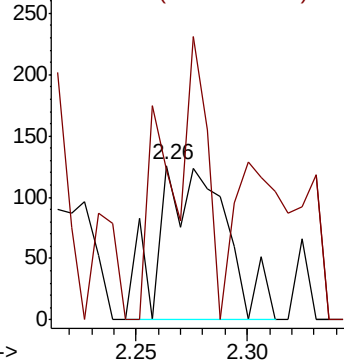
#13

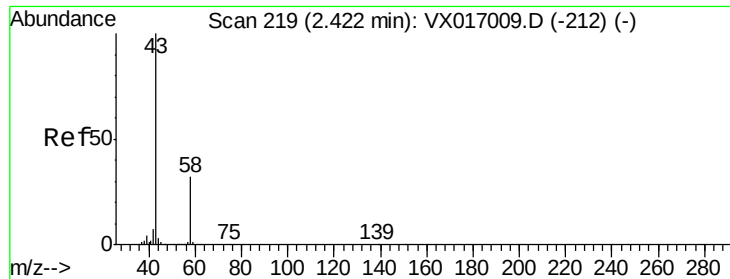
Acrolein
Concen: 0.896 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX017125.D
Acq: 02 Jul 2020 02:15

Tgt Ion: 56 Resp: 266
Ion Ratio Lower Upper
56 100
55 105.3 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: 1.439 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017125.D

Acq: 02 Jul 2020 02:15

Instrument :

MSVOA_X

ClientSampleId :

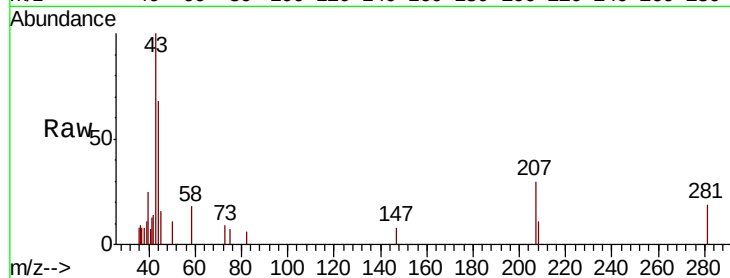
17BR-20200629

Tot Ion: 43 Resp: 1402

Ion Ratio Lower Upper

43 100

58 19.7 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

800

600

400

200

0

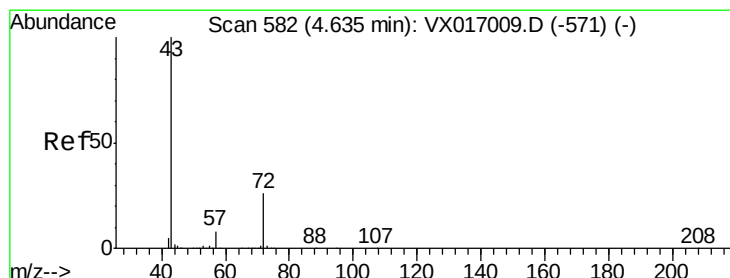
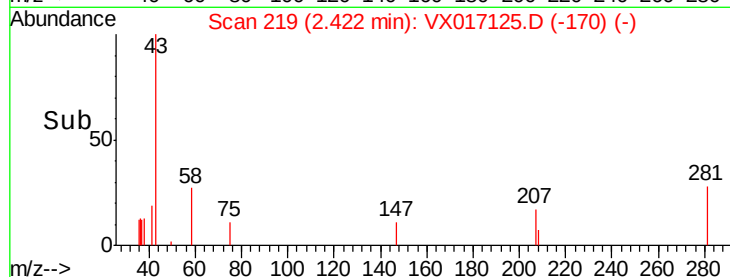
2.35

2.40

2.45

2.50

Time-->



#25

2-Butanone

Concen: 0.738 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017125.D

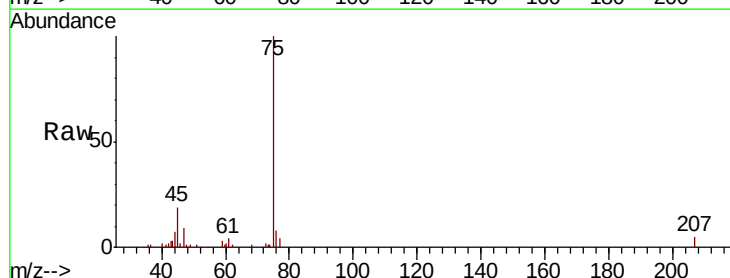
Acq: 02 Jul 2020 02:15

Tgt Ion: 43 Resp: 1198

Ion Ratio Lower Upper

43 100

72 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.65

300

200

100

0

4.55

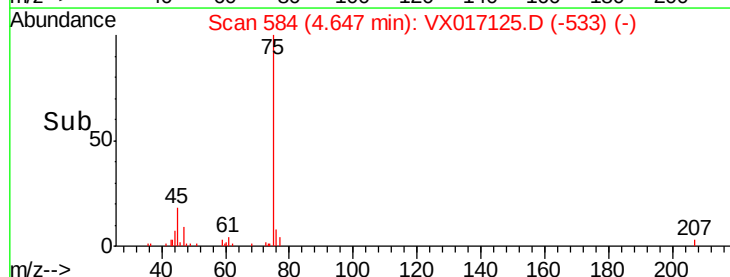
4.60

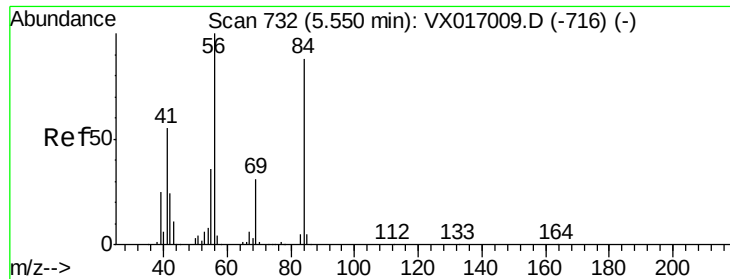
4.65

4.70

4.75

Time-->

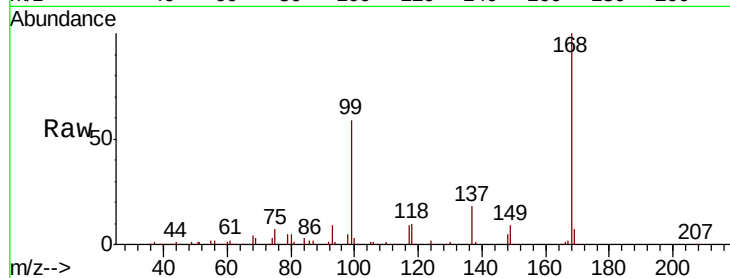




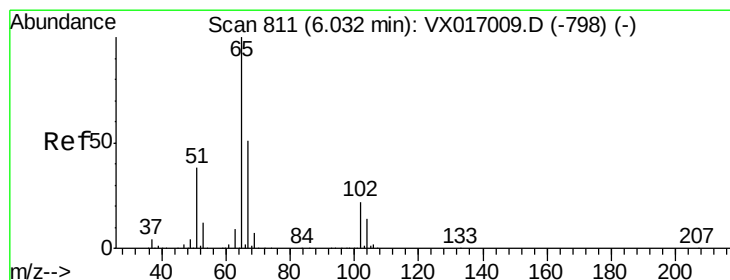
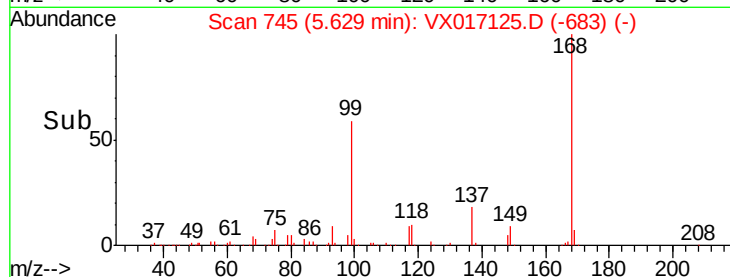
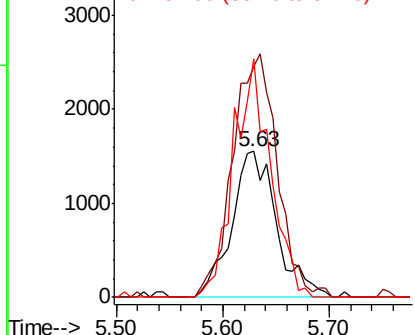
#31
Cyclohexane
Concen: 1.297 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017125.D
Acq: 02 Jul 2020 02:15

Instrument :
MSVOA_X
ClientSampleId :
17BR-20200629

Tot Ion: 56 Resp: 4559
Ion Ratio Lower Upper
56 100
69 158.0 25.0 37.4#
84 163.9 69.1 103.7#

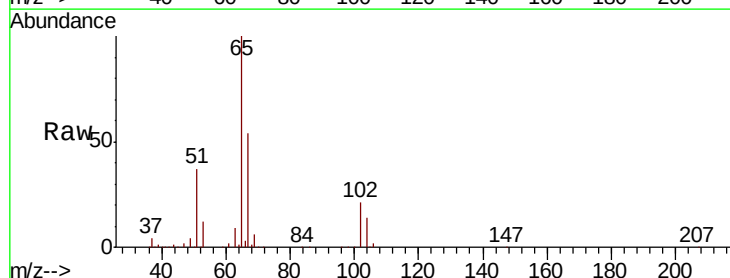


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

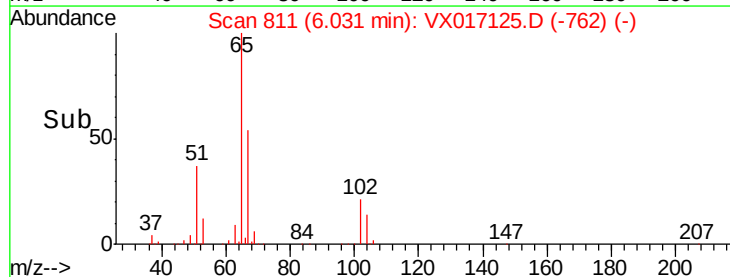
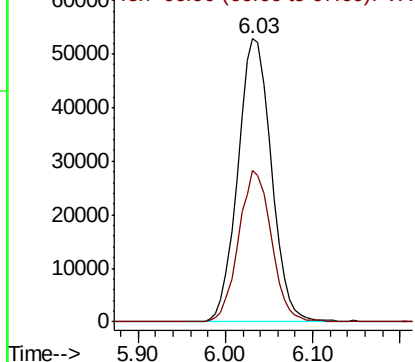


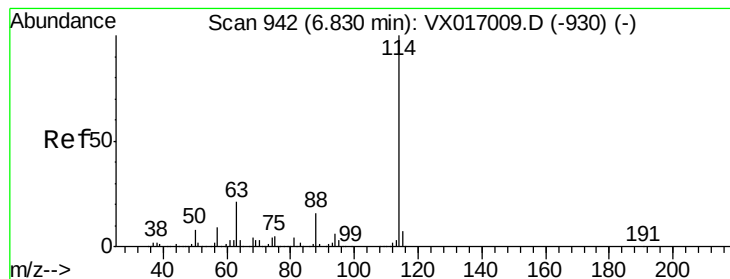
#33
1,2-Dichloroethane-d4
Concen: 54.147 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017125.D
Acq: 02 Jul 2020 02:15

Tgt Ion: 65 Resp: 141010
Ion Ratio Lower Upper
65 100
67 52.3 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: VX017125.D

Acq: 02 Jul 2020 02:15

Instrument :

MSVOA_X

ClientSampleId :

17BR-20200629

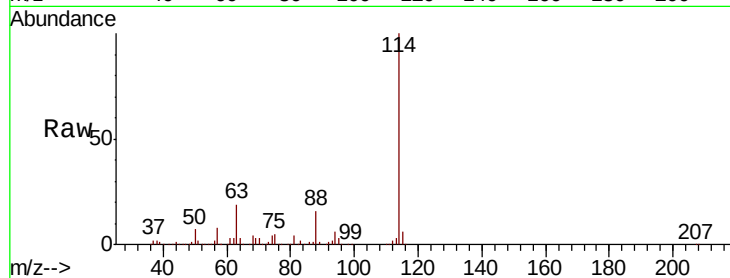
Tot Ion:114 Resp: 355132

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.4

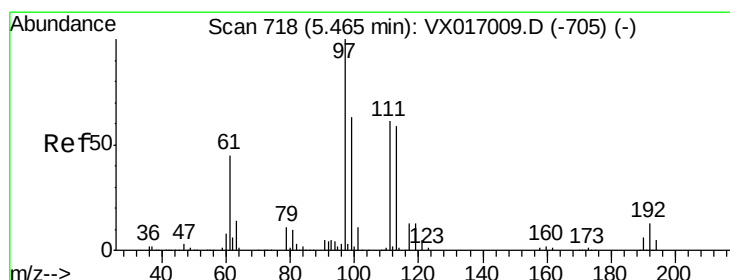
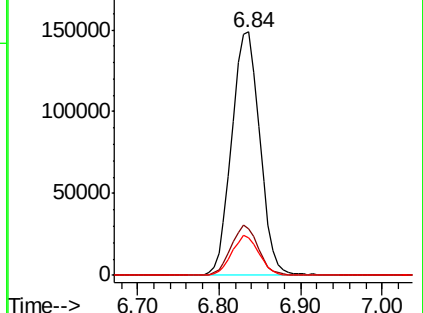
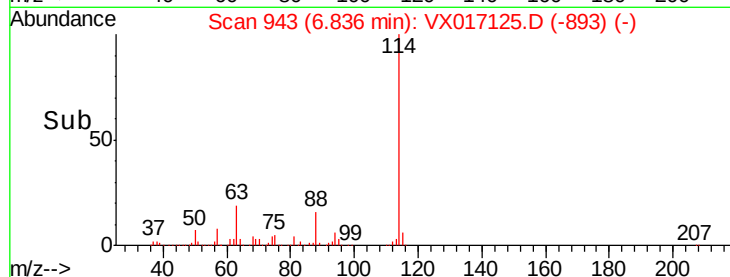
88 15.6 0.0 32.4



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: 52.933 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017125.D

Acq: 02 Jul 2020 02:15

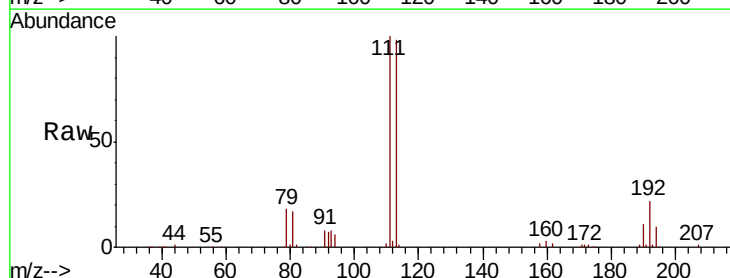
Tgt Ion:113 Resp: 118912

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

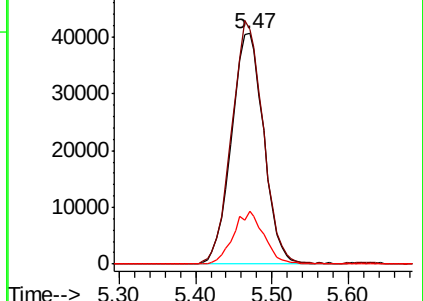
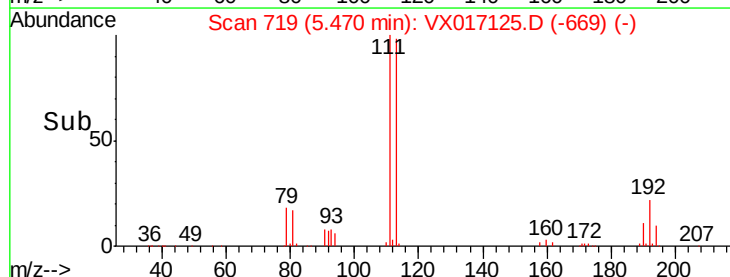
192 21.5 16.7 25.1

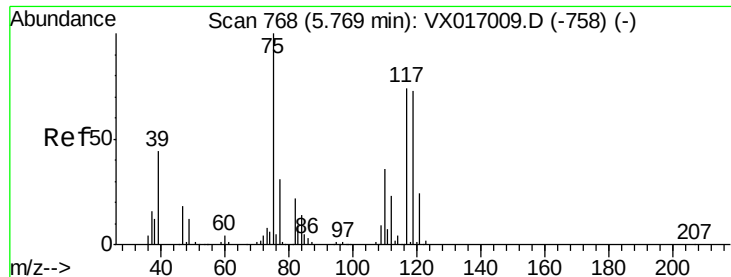


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

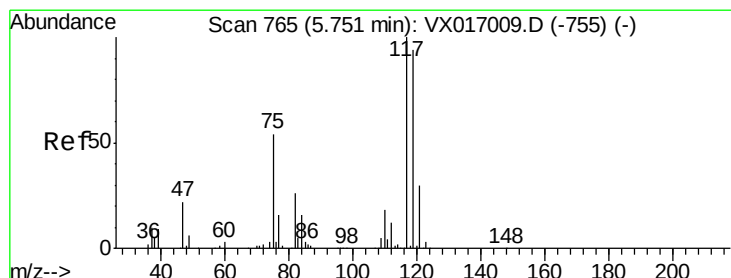
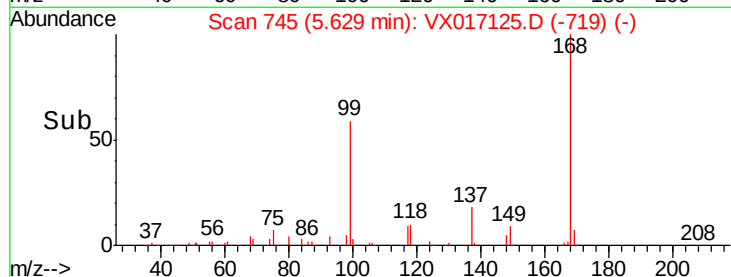
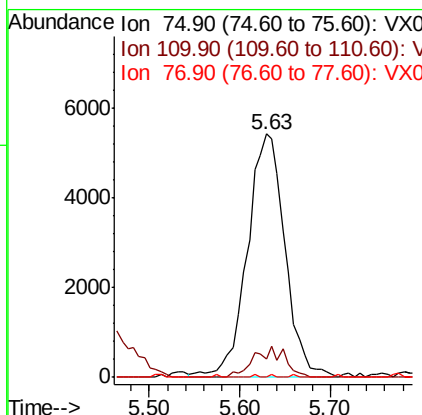
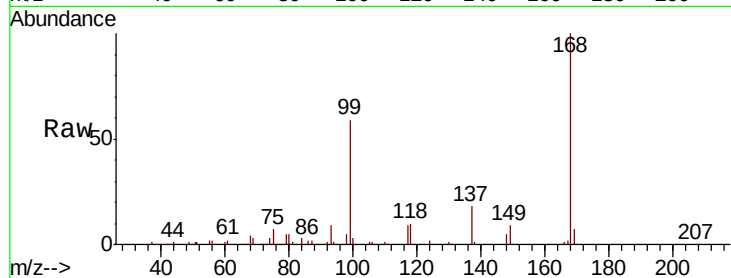




#36
 1,1-Dichloropropene
 Concen: 4.637 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017125.D
 Acq: 02 Jul 2020 02:15

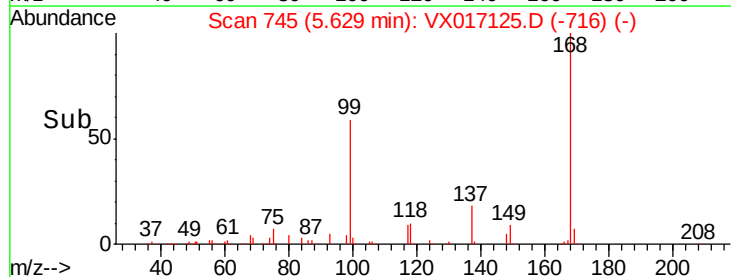
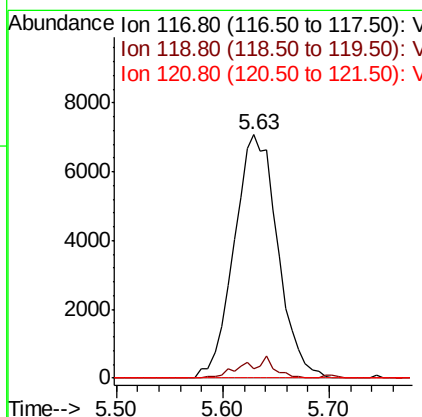
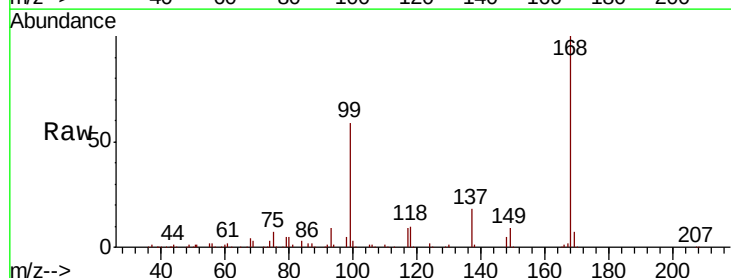
Instrument :
 MSVOA_X
 ClientSampleId :
 17BR-20200629

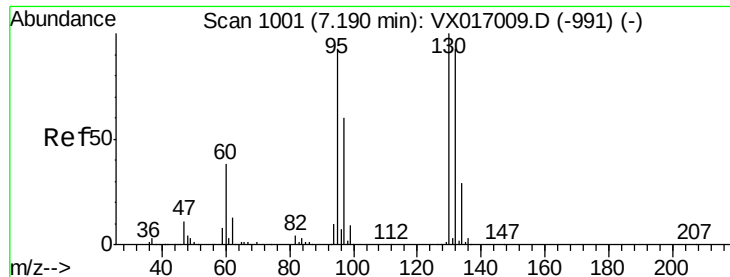
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.1#
77	0.1	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.477 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017125.D
 Acq: 02 Jul 2020 02:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	75.4	113.0#
121	0.0	23.8	35.6#





#44

Trichloroethene

Concen: Below Cal

RT: 7.20 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VX017125.D

Acq: 02 Jul 2020 02:15

Instrument :

MSVOA_X

ClientSampleId :

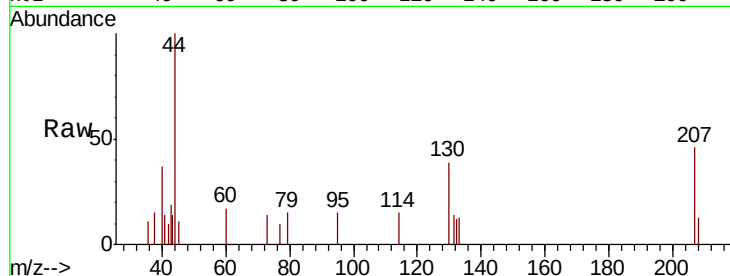
17BR-20200629

Tot Ion:130 Resp: 196

Ion Ratio Lower Upper

130 100

95 38.5 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

200

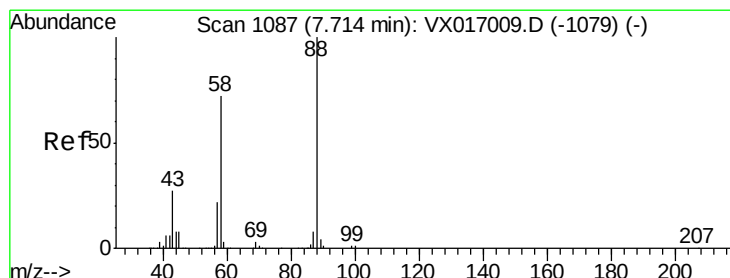
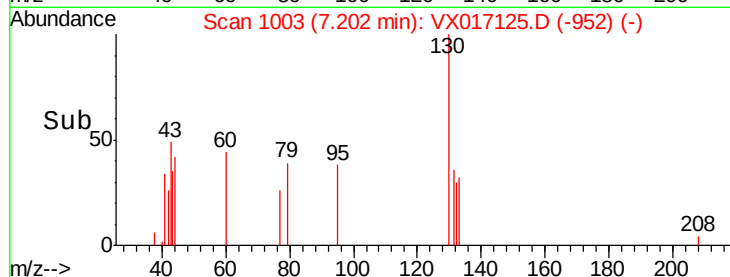
150

100

50

0

Time-->



#49

1,4-Dioxane

Concen: 0.328 ug/l

RT: 7.94 min Scan# 1124

Delta R.T. 0.23 min

Lab File: VX017125.D

Acq: 02 Jul 2020 02:15

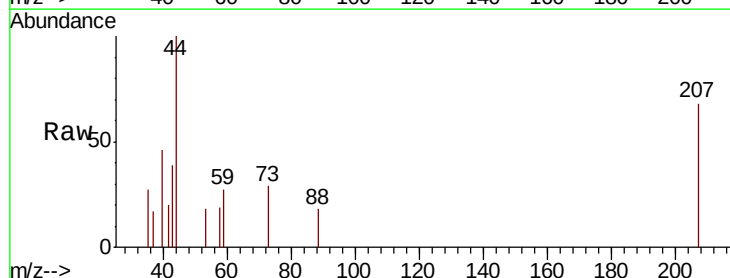
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 970.0 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

200

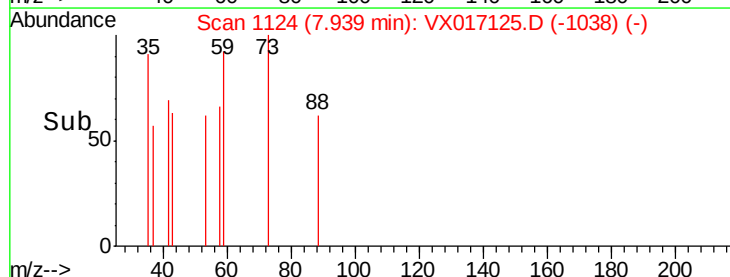
150

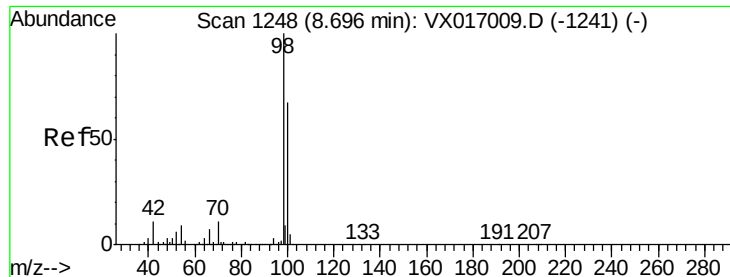
100

50

0

Time-->





#50

Toluene-d8

Concen: 52.827 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017125.D

Acq: 02 Jul 2020 02:15

Instrument :

MSVOA_X

ClientSampleId :

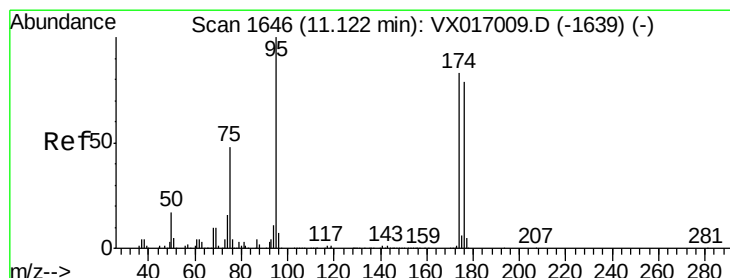
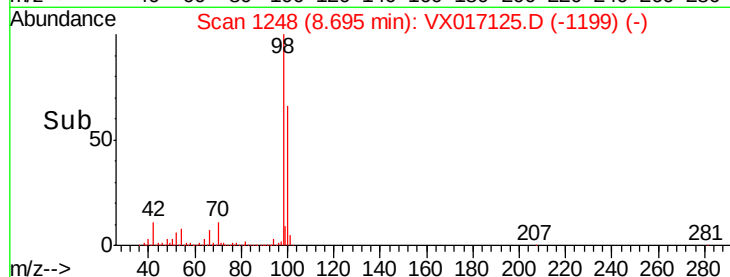
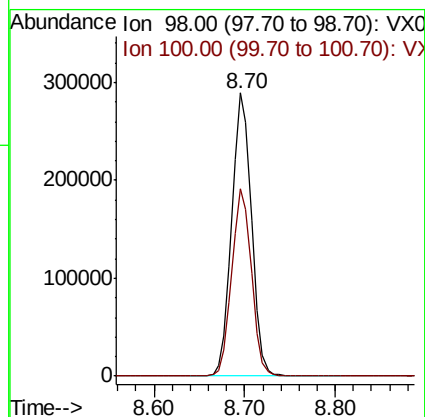
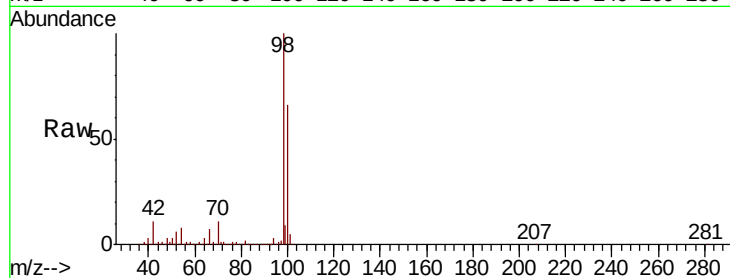
17BR-20200629

Tot Ion: 98 Resp: 438829

Ion Ratio Lower Upper

98 100

100 65.9 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 56.256 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017125.D

Acq: 02 Jul 2020 02:15

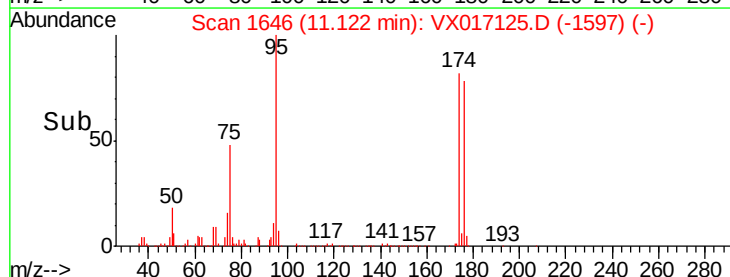
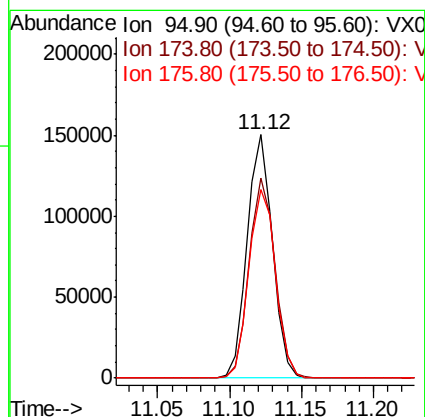
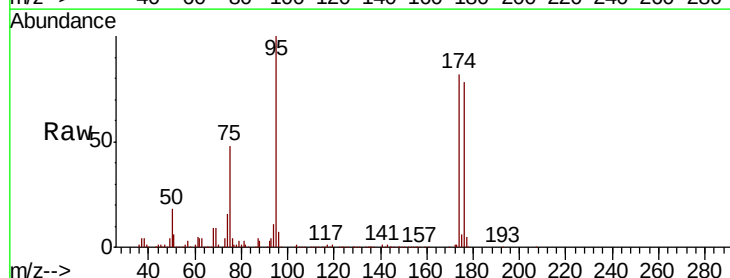
Tgt Ion: 95 Resp: 182678

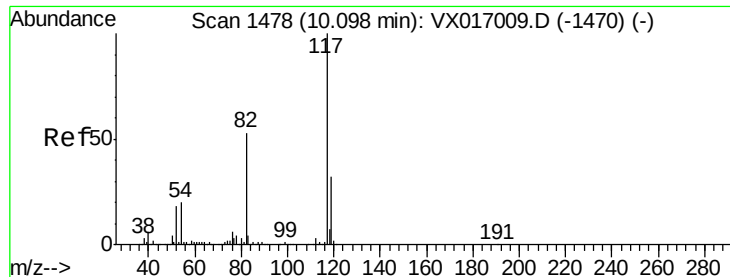
Ion Ratio Lower Upper

95 100

174 84.7 0.0 164.0

176 81.4 0.0 157.6

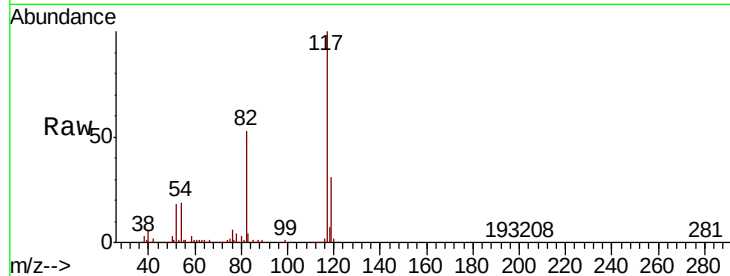




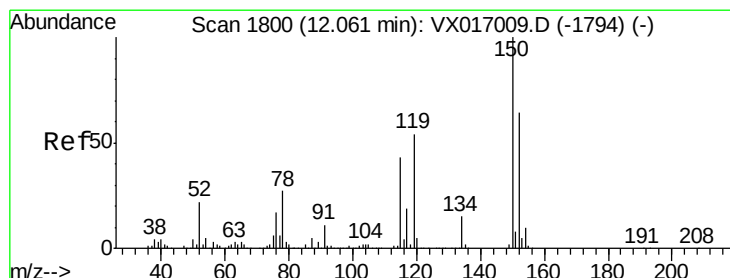
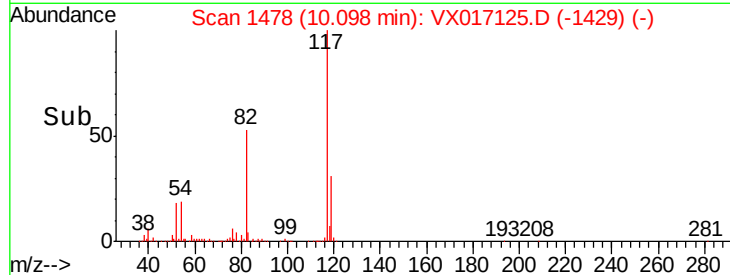
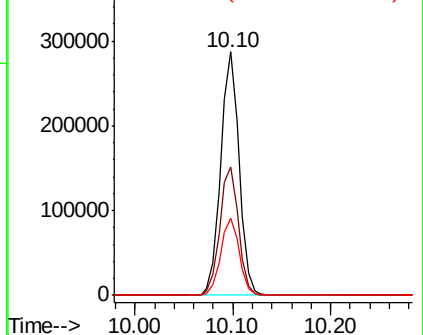
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017125.D
Acq: 02 Jul 2020 02:15

Instrument :
MSVOA_X
ClientSampleId :
17BR-20200629

Tot Ion:117 Resp: 375095
Ion Ratio Lower Upper
117 100
82 52.7 42.6 63.8
119 31.5 25.4 38.2

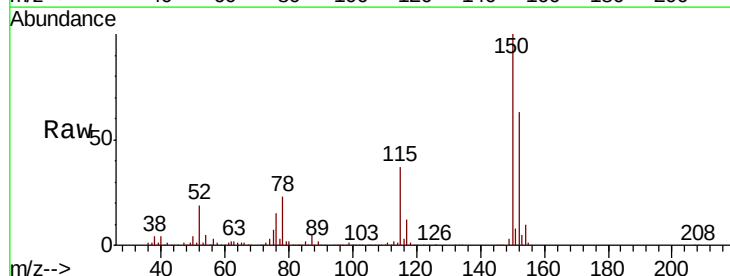


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

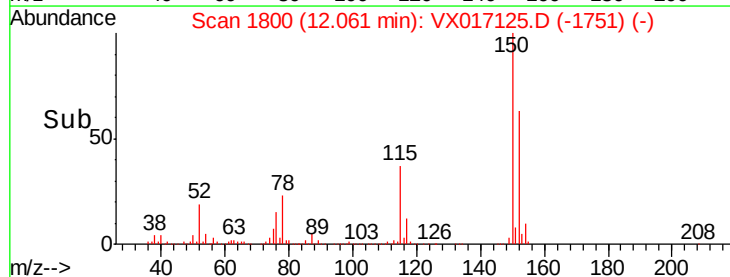
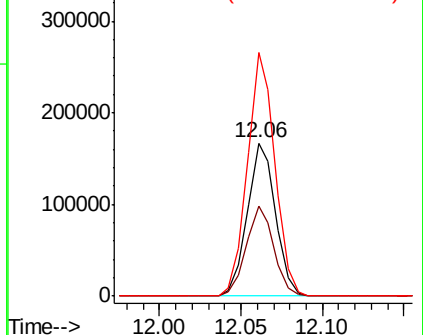


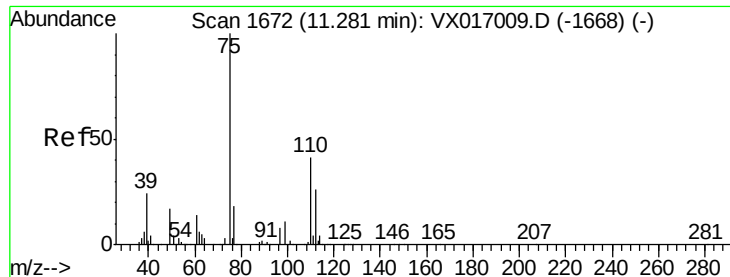
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017125.D
Acq: 02 Jul 2020 02:15

Tgt Ion:152 Resp: 201223
Ion Ratio Lower Upper
152 100
115 57.4 40.9 122.7
150 155.6 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: 23.035 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017125.D

Acq: 02 Jul 2020 02:15

Instrument :

MSVOA_X

ClientSampleId :

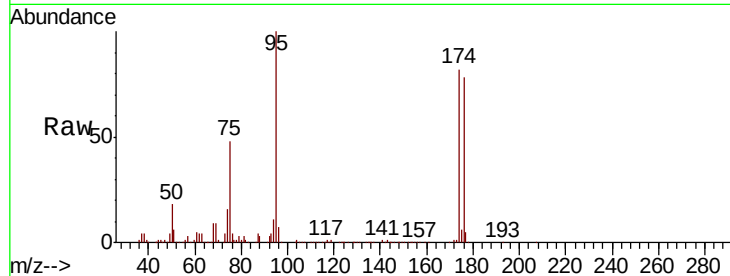
17BR-20200629

Tot Ion: 75 Resp: 91150

Ion Ratio Lower Upper

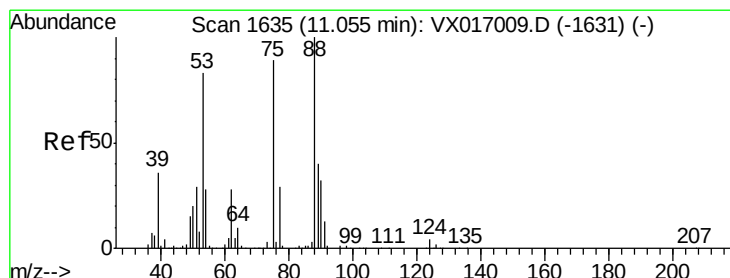
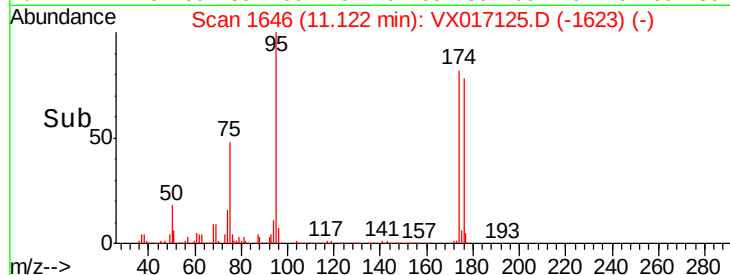
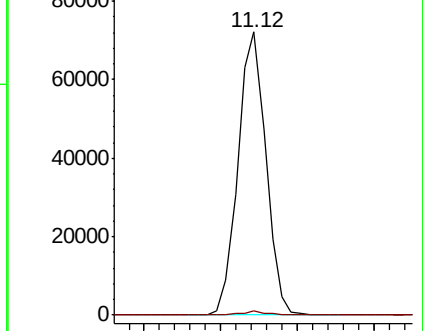
75 100

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: 59.654 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017125.D

Acq: 02 Jul 2020 02:15

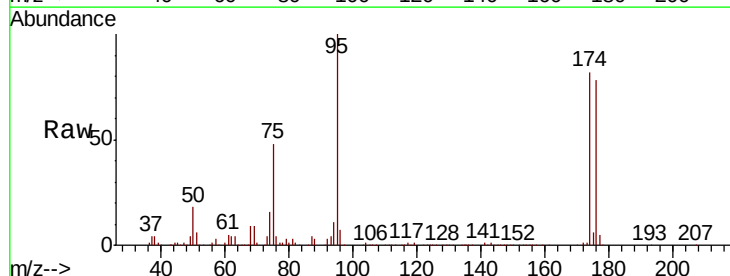
Tgt Ion: 75 Resp: 91150

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

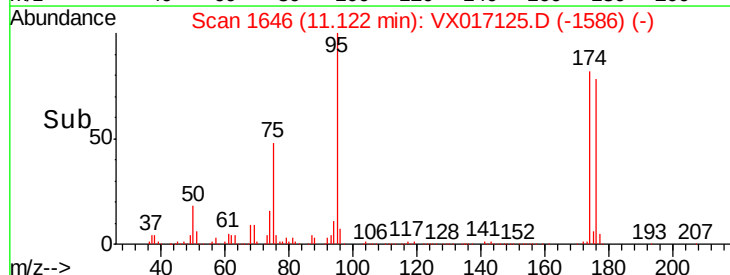
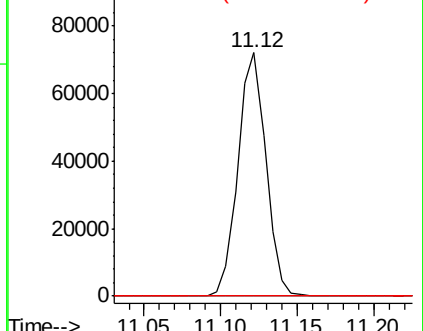
89 0.0 37.0 55.4#

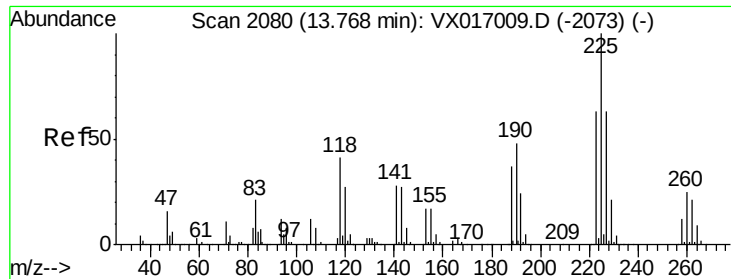


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.881 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017125.D

Acq: 02 Jul 2020 02:15

Instrument :

MSVOA_X

ClientSampleId :

17BR-20200629

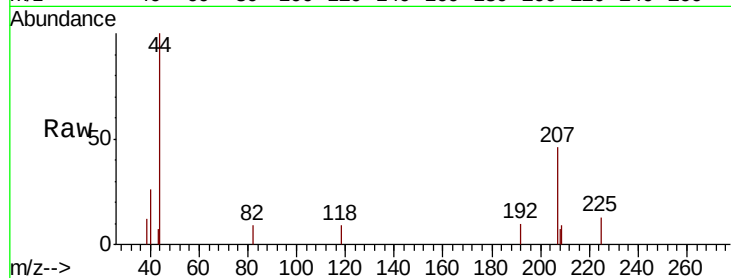
Tot Ion:225 Resp: 59

Ion Ratio Lower Upper

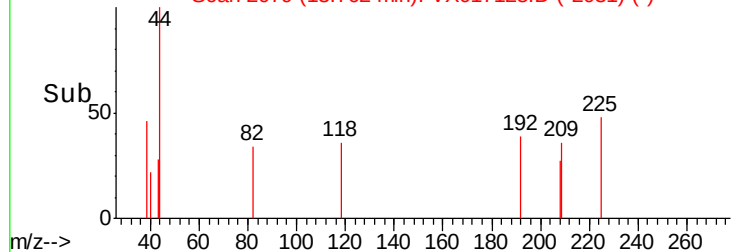
225 100

223 0.0 32.5 97.5#

227 0.0 33.1 99.2#



Scan 2079 (13.762 min): VX017125.D (-2031) (-)



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

