

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017126.D
 Acq On : 02 Jul 2020 02:38
 Operator : JC/SP
 Sample : L3159-13 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 47BR-20200629

Quant Time: Jul 02 04:22:12 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	207561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	352563	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	357981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	187447	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	138707	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
35) Dibromofluoromethane	5.47	113	117334	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
50) Toluene-d8	8.70	98	425763	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
62) 4-Bromofluorobenzene	11.12	95	176700	54.81	ug/l	0.00
Spiked Amount			Recovery	=	109.62%	

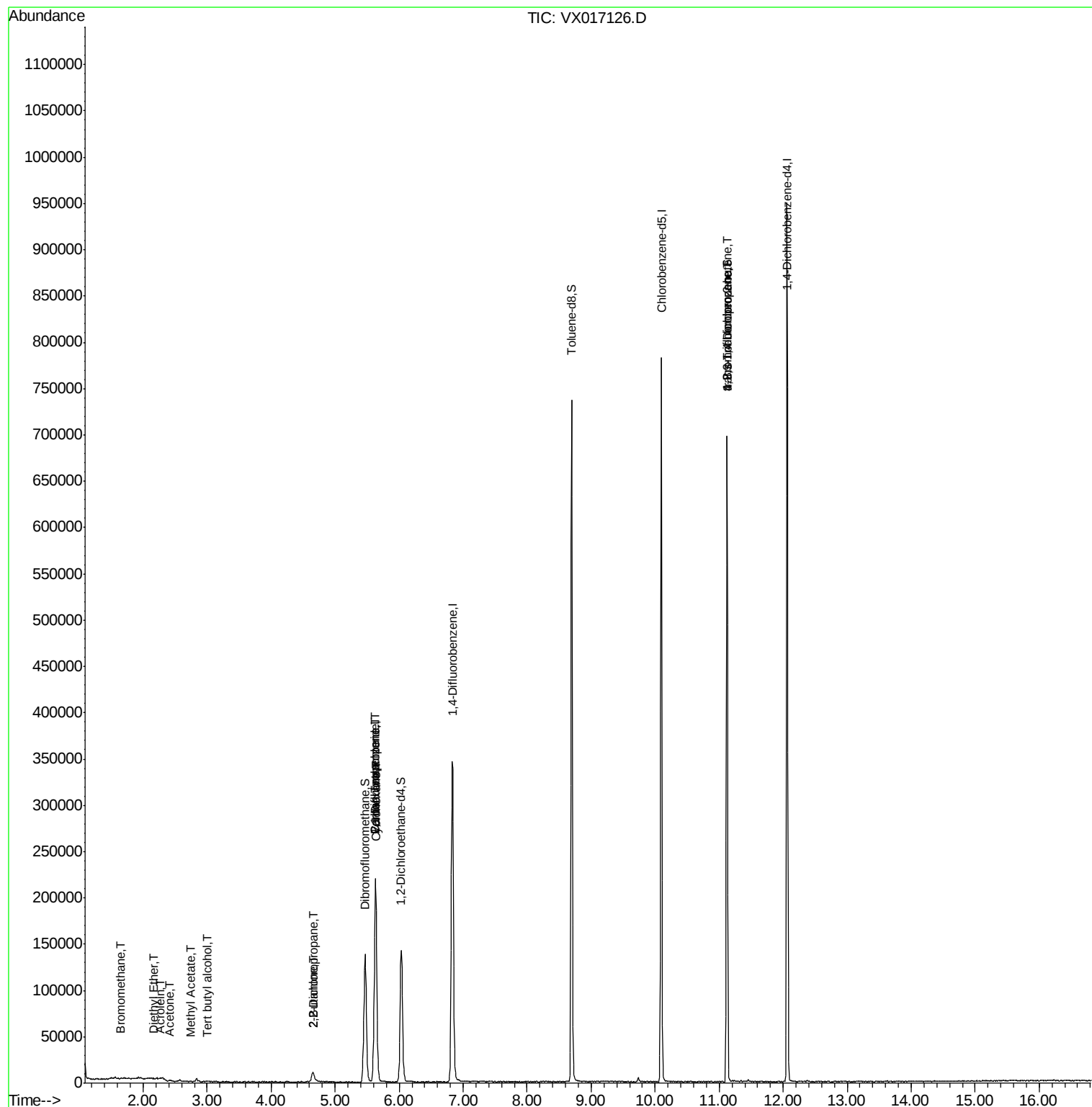
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	274	0.230	ug/l #	3
8) Diethyl Ether	2.16	74	392	0.712	ug/l	74
11) Tert butyl alcohol	3.01	59	455	0.932	ug/l #	73
13) Acrolein	2.27	56	215	0.737	ug/l #	15
16) Acetone	2.42	43	1546	1.615	ug/l #	80
18) Methyl Acetate	2.74	43	504	0.202	ug/l #	51
20) Methylene Chloride	2.84	84	1612	Below Cal	#	76
25) 2-Butanone	4.65	43	716	0.449	ug/l #	49
26) 2,2-Dichloropropane	4.65	77	1118	0.315	ug/l #	53
31) Cyclohexane	5.64	56	3856	1.116	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	15418	4.627	ug/l #	50
38) Carbon Tetrachloride	5.63	117	20132	5.485	ug/l #	18
44) Trichloroethene	7.18	130	53	Below Cal		69
76) 1,2,3-Trichloropropane	11.12	75	87387	23.708	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	87387	61.394	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	264	Below Cal		74

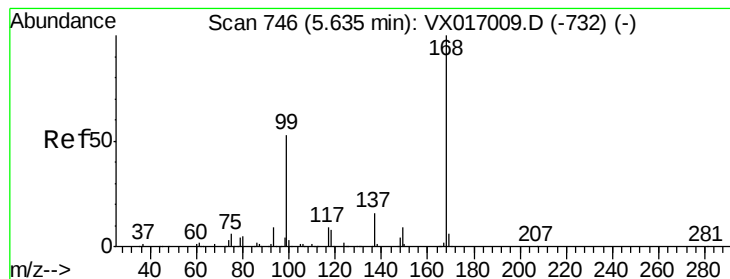
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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47BR-20200629

Quant Time: Jul 02 04:22:12 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: VX017126.D

Acq: 02 Jul 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

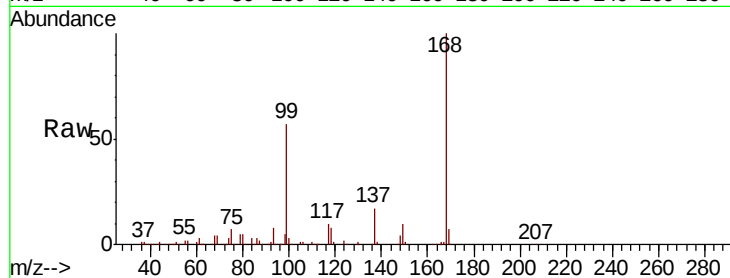
47BR-20200629

Tot Ion:168 Resp: 207561

Ion Ratio Lower Upper

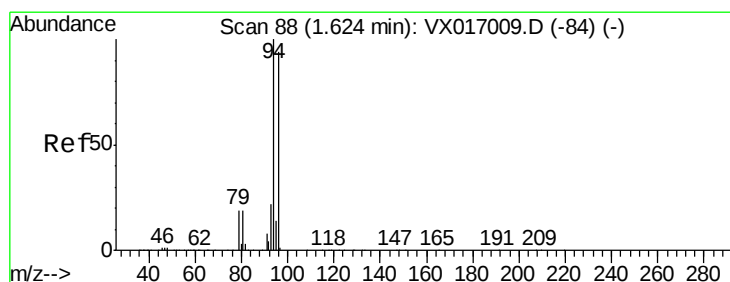
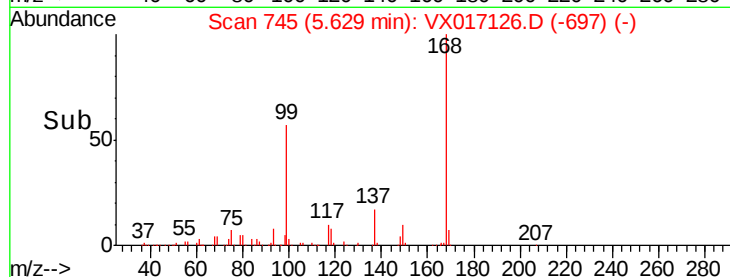
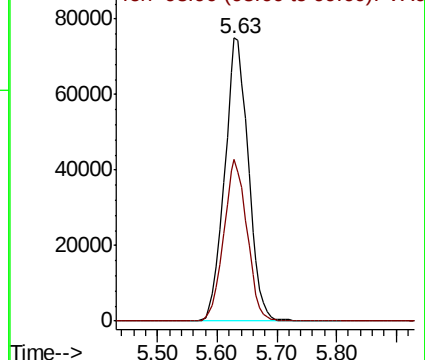
168 100

99 57.2 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.230 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX017126.D

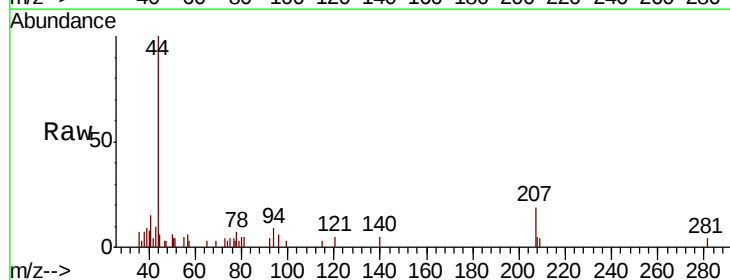
Acq: 02 Jul 2020 02:38

Tgt Ion: 94 Resp: 274

Ion Ratio Lower Upper

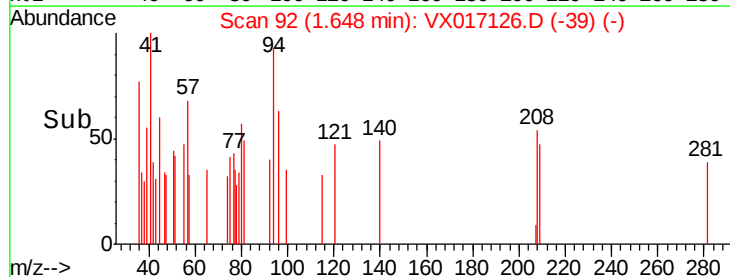
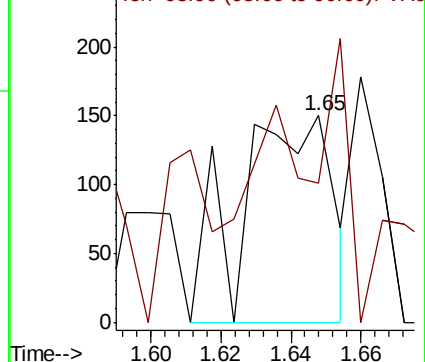
94 100

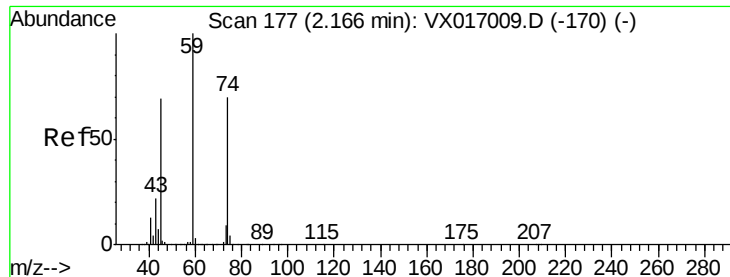
96 0.0 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.712 ug/l

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017126.D

Acq: 02 Jul 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

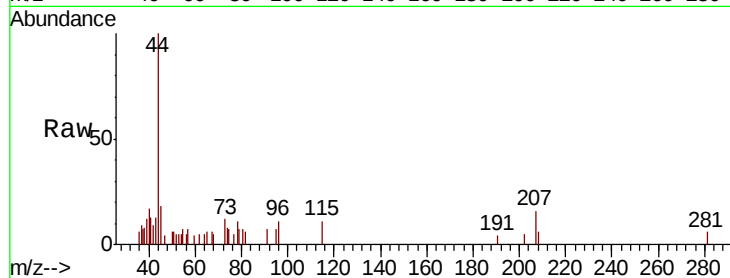
47BR-20200629

Tot Ion: 74 Resp: 392

Ion Ratio Lower Upper

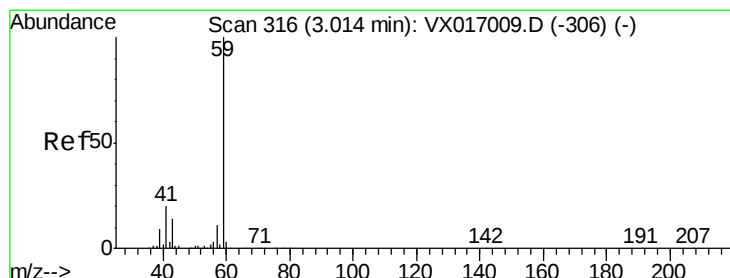
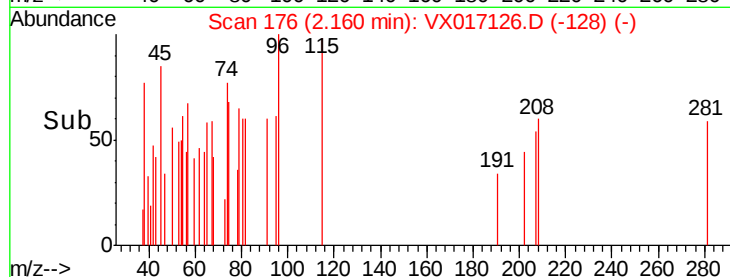
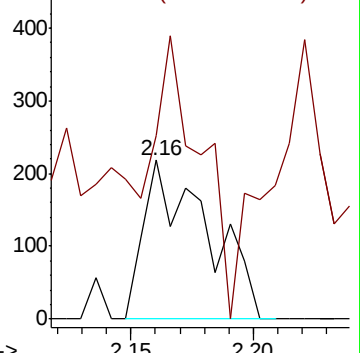
74 100

45 125.8 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: 0.932 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017126.D

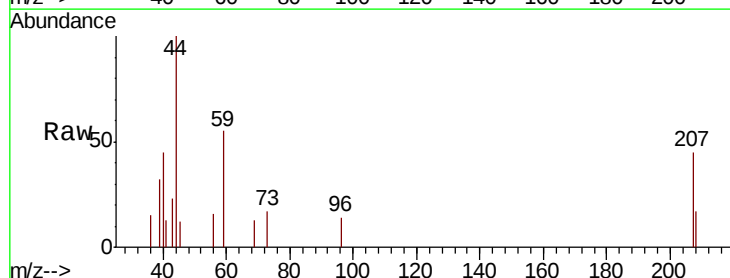
Acq: 02 Jul 2020 02:38

Tgt Ion: 59 Resp: 455

Ion Ratio Lower Upper

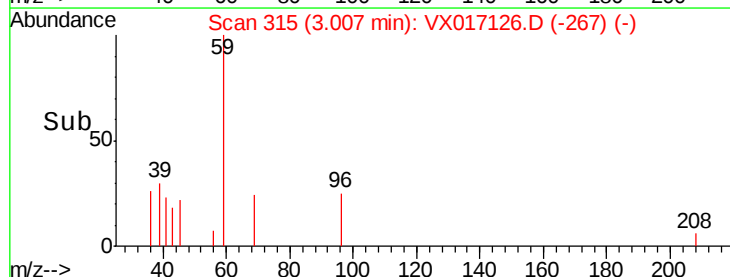
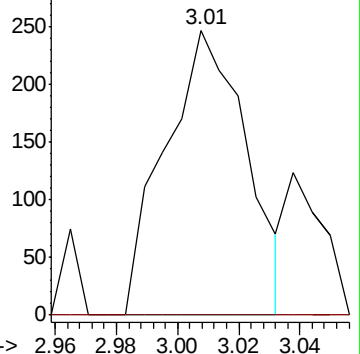
59 100

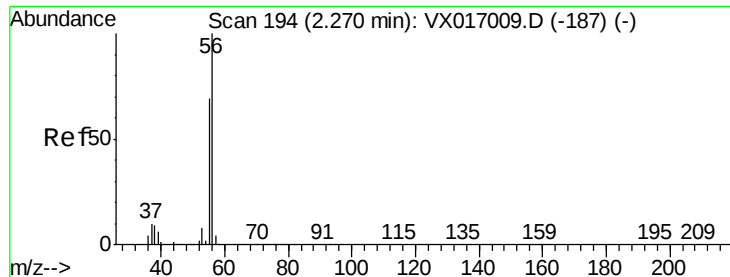
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.737 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017126.D

Acq: 02 Jul 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

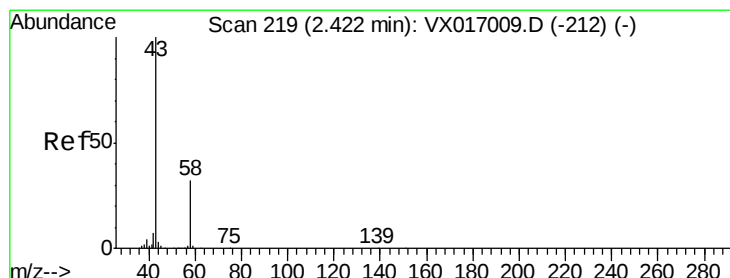
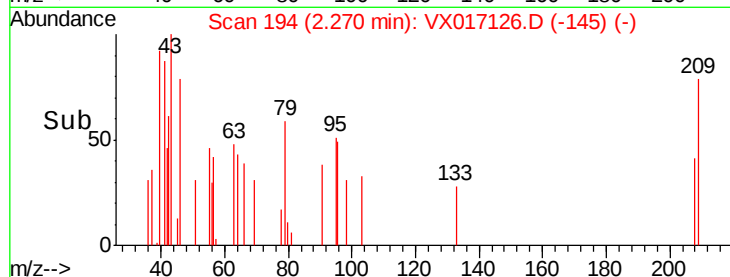
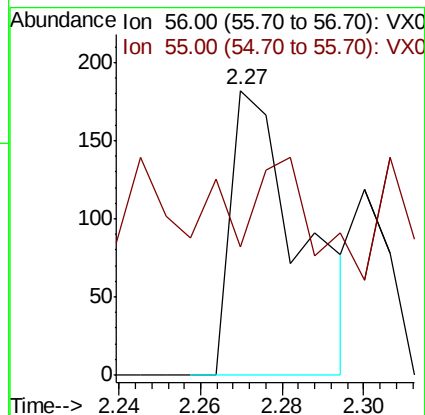
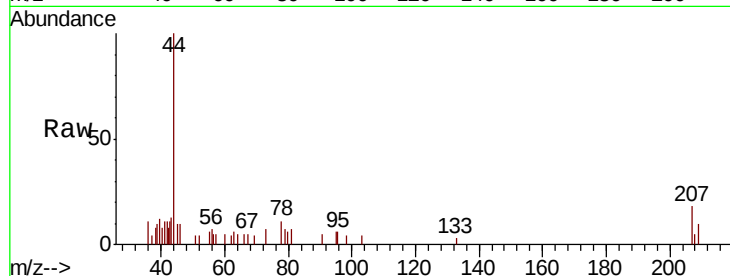
47BR-20200629

Tot Ion: 56 Resp: 215

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#16

Acetone

Concen: 1.615 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017126.D

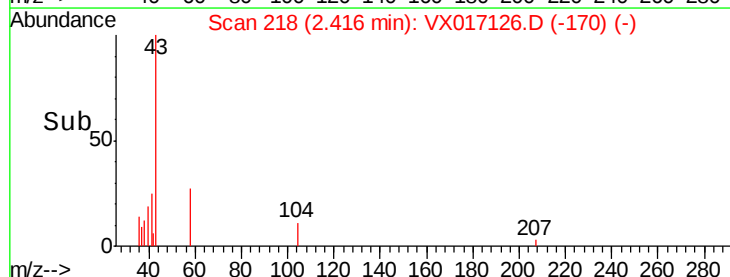
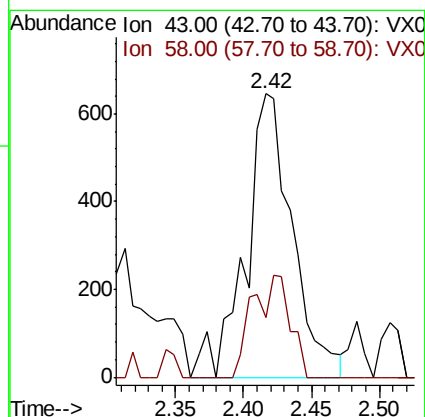
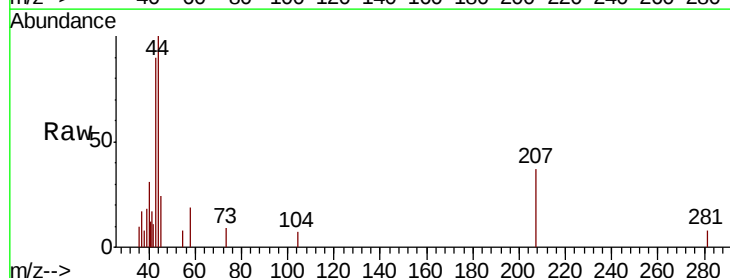
Acq: 02 Jul 2020 02:38

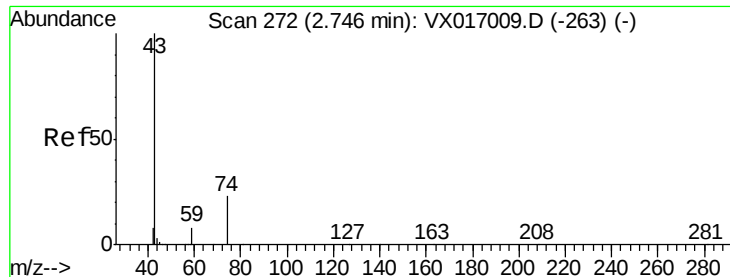
Tgt Ion: 43 Resp: 1546

Ion Ratio Lower Upper

43 100

58 20.9 25.7 38.5#

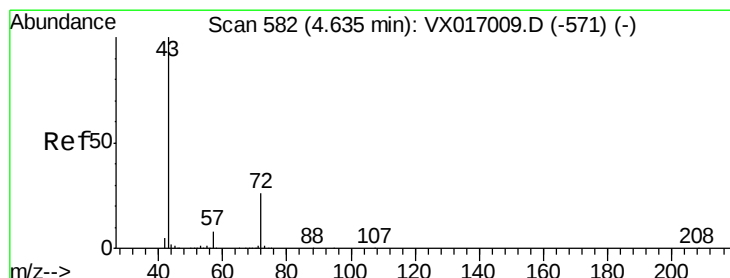
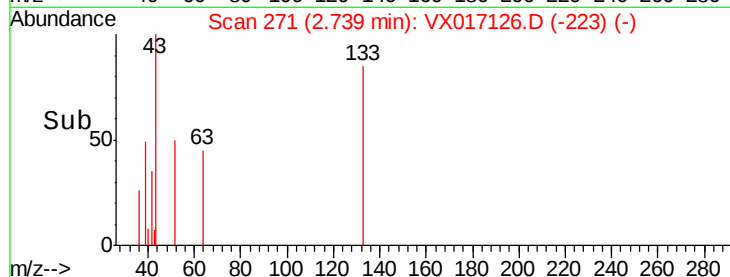
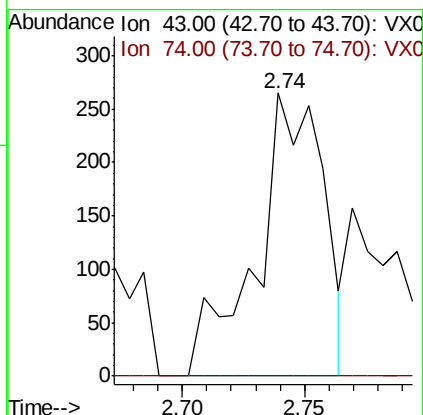
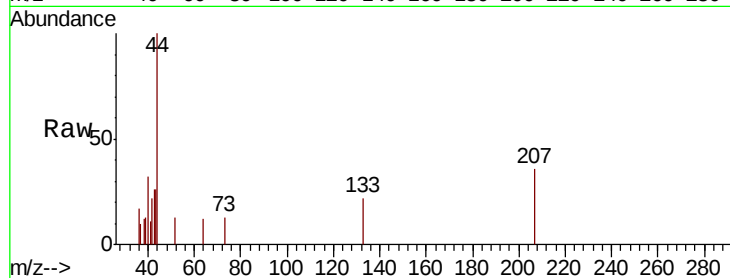




#18
Methyl Acetate
Concen: 0.202 ug/l
RT: 2.74 min Scan# 271
Delta R.T. -0.01 min
Lab File: VX017126.D
Acq: 02 Jul 2020 02:38

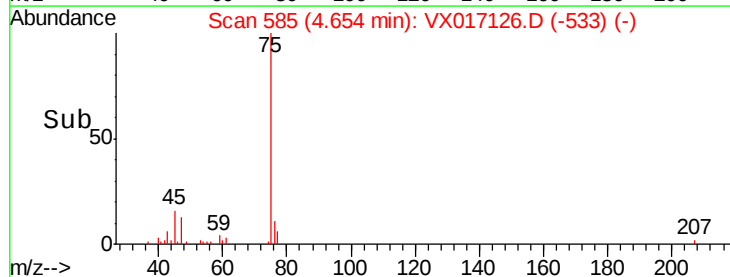
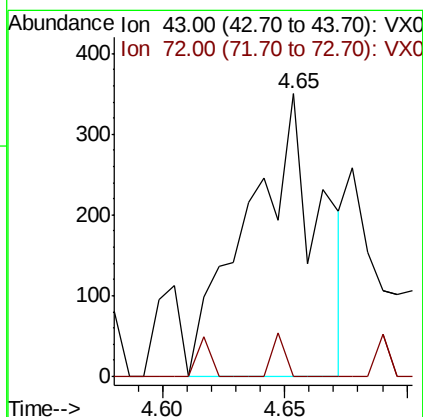
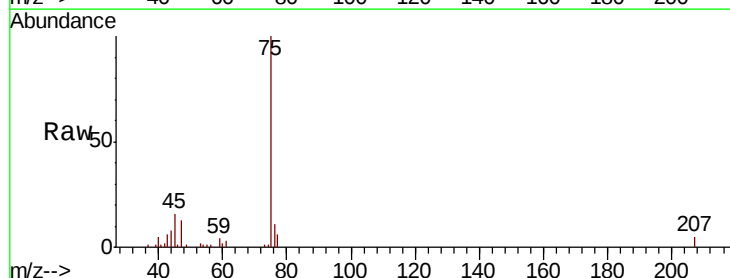
Instrument :
MSVOA_X
ClientSampled :
47BR-20200629

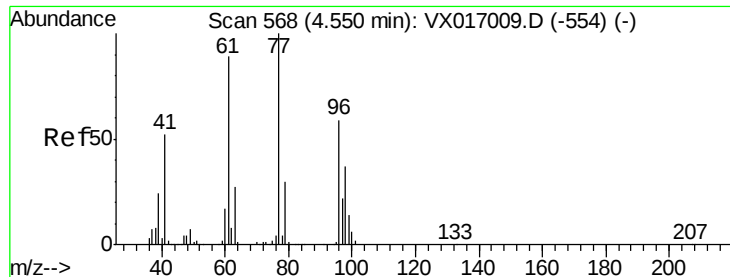
Tot Ion: 43 Resp: 504
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#25
2-Butanone
Concen: 0.449 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX017126.D
Acq: 02 Jul 2020 02:38

Tgt Ion: 43 Resp: 716
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#





#26

2,2-Dichloropropane

Concen: 0.315 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.10 min

Lab File: VX017126.D

Acq: 02 Jul 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

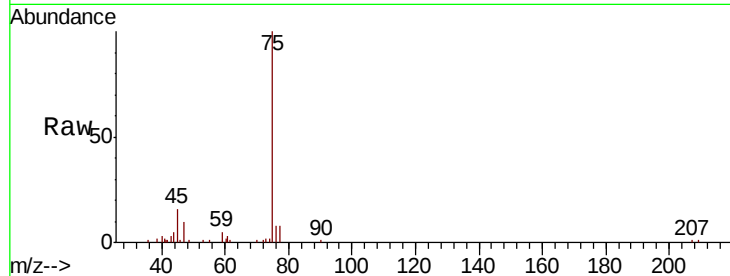
47BR-20200629

Tot Ion: 77 Resp: 1118

Ion Ratio Lower Upper

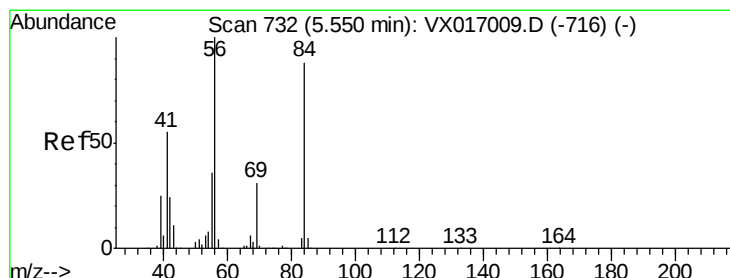
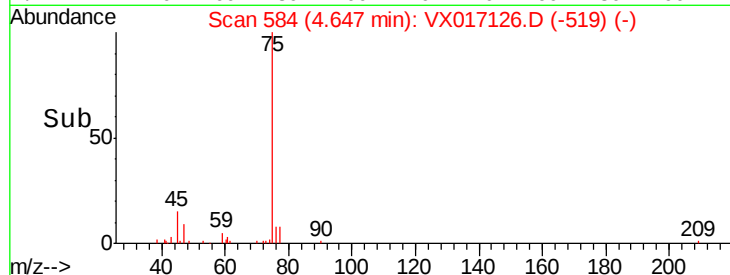
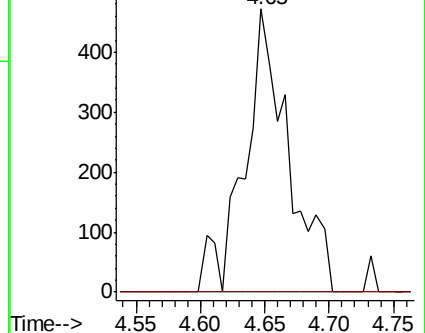
77 100

97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#31

Cyclohexane

Concen: 1.116 ug/l

RT: 5.64 min Scan# 747

Delta R.T. 0.09 min

Lab File: VX017126.D

Acq: 02 Jul 2020 02:38

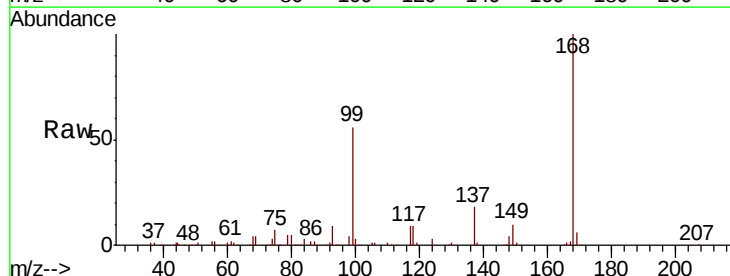
Tgt Ion: 56 Resp: 3856

Ion Ratio Lower Upper

56 100

69 164.3 25.0 37.4#

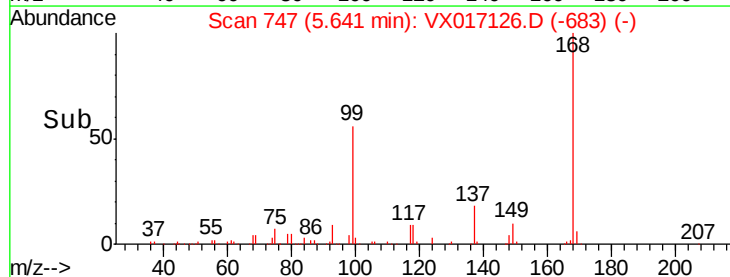
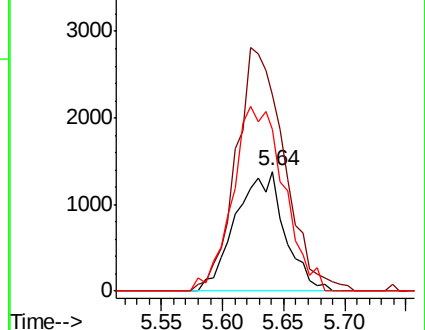
84 135.7 69.1 103.7#

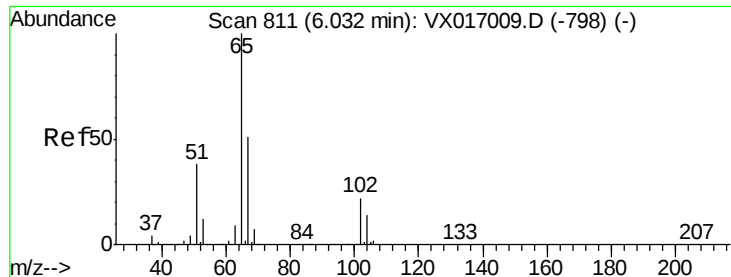


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.208 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017126.D

Acq: 02 Jul 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

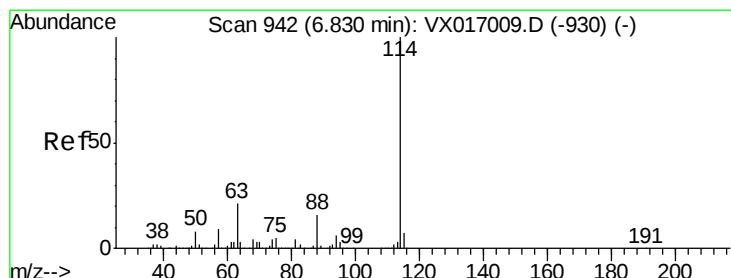
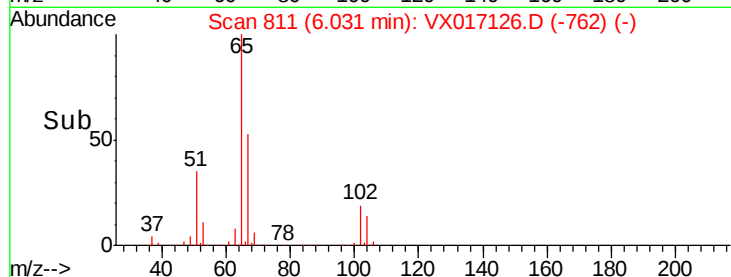
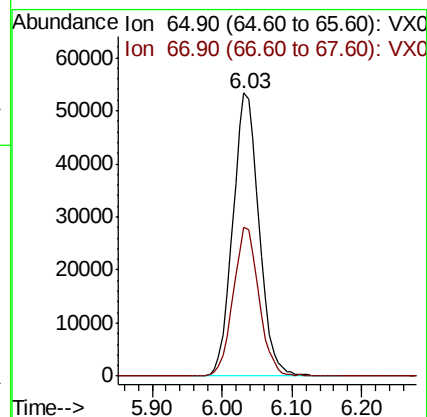
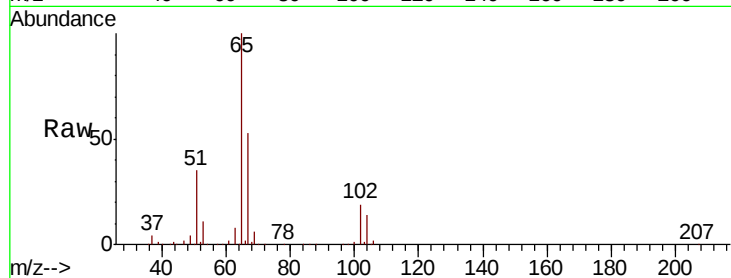
47BR-20200629

Tot Ion: 65 Resp: 138707

Ion Ratio Lower Upper

65 100

67 51.8 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: VX017126.D

Acq: 02 Jul 2020 02:38

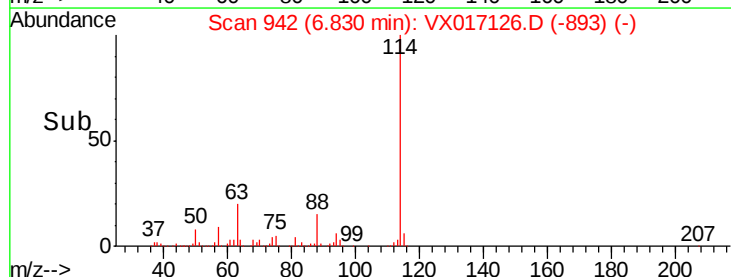
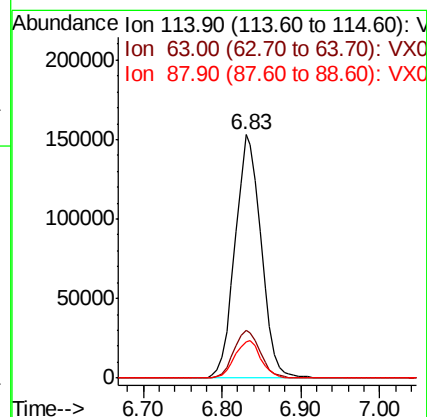
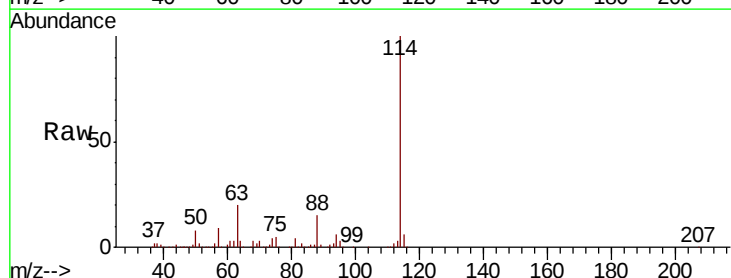
Tgt Ion: 114 Resp: 352563

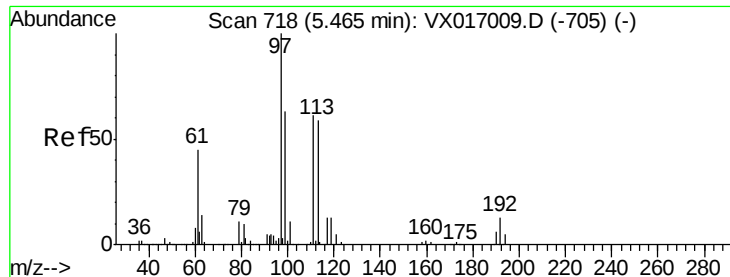
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

88 14.6 0.0 32.4

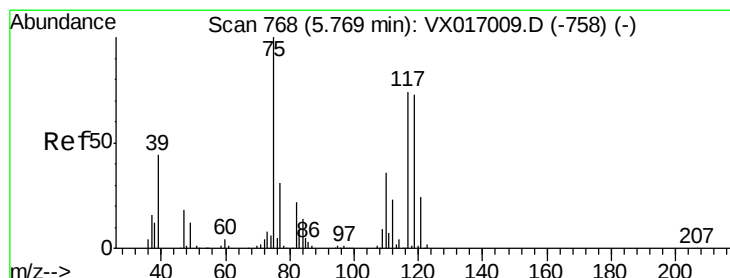
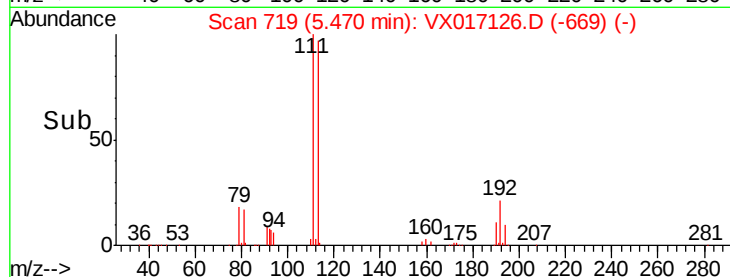
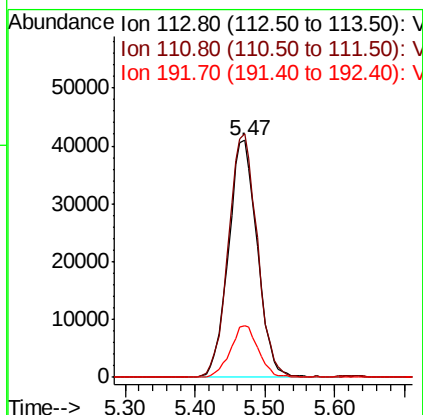
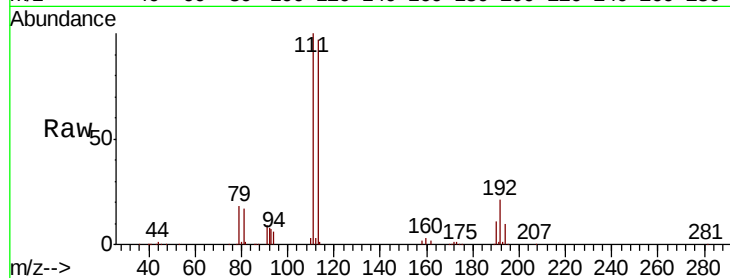




#35
 Dibromofluoromethane
 Concen: 52.611 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017126.D
 Acq: 02 Jul 2020 02:38

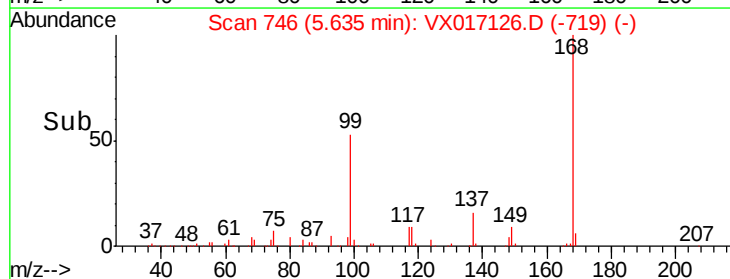
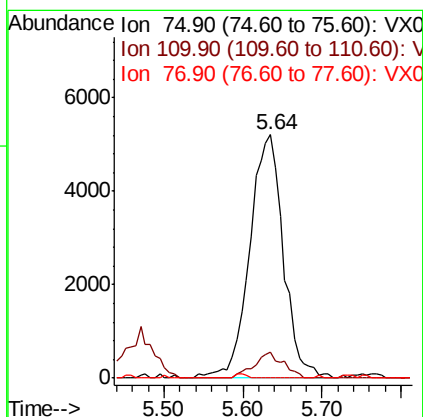
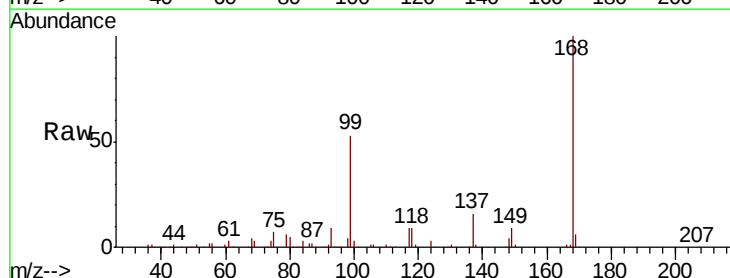
Instrument :
 MSVOA_X
 ClientSampleId :
 47BR-20200629

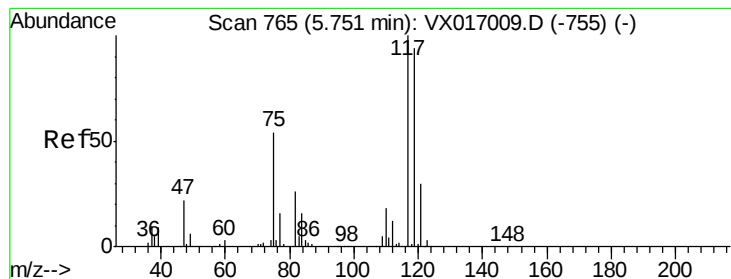
Tot Ion:113 Resp: 117334
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.9 122.9
 192 21.1 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.627 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017126.D
 Acq: 02 Jul 2020 02:38

Tgt Ion: 75 Resp: 15418
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.1 54.1#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.485 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017126.D

Acq: 02 Jul 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

47BR-20200629

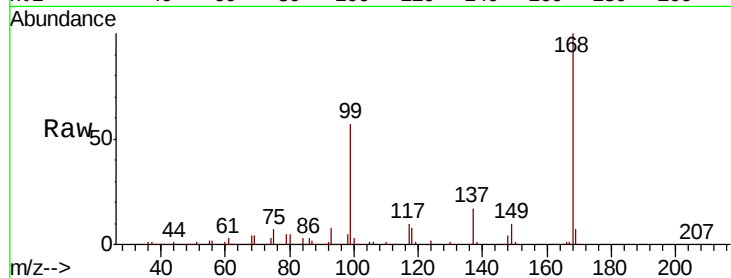
Tot Ion:117 Resp: 20132

Ion Ratio Lower Upper

117 100

119 7.0 75.4 113.0#

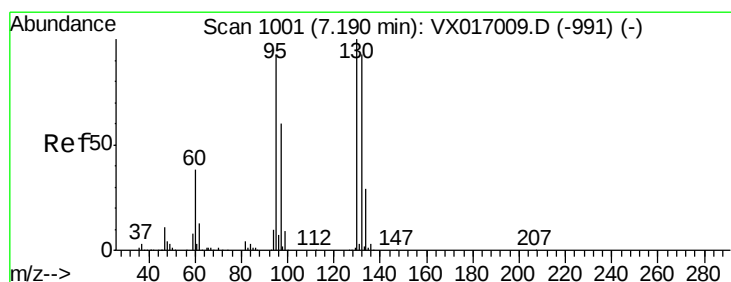
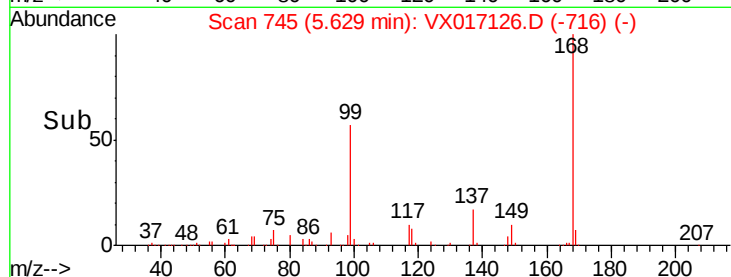
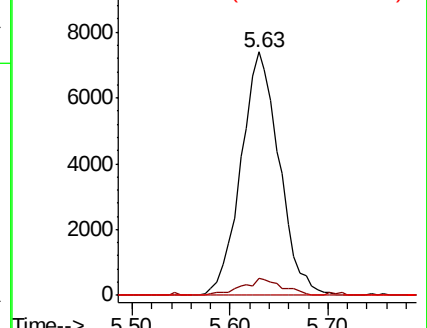
121 0.0 23.8 35.6#



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: Below Cal

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX017126.D

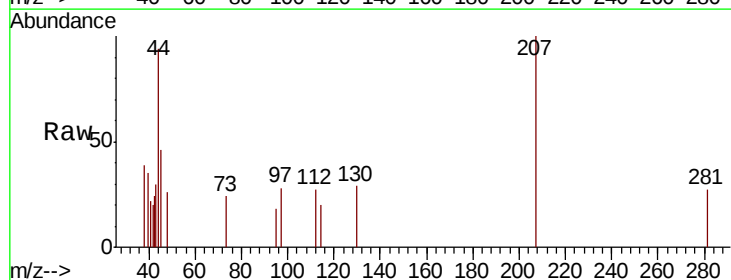
Acq: 02 Jul 2020 02:38

Tgt Ion:130 Resp: 53

Ion Ratio Lower Upper

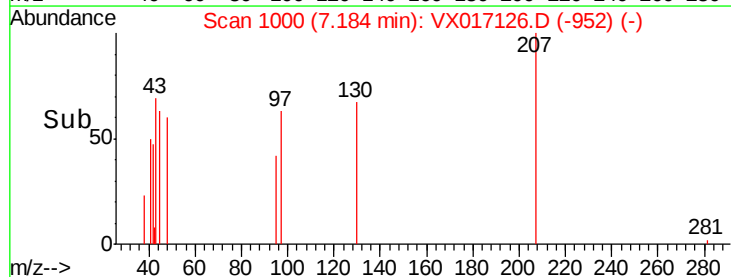
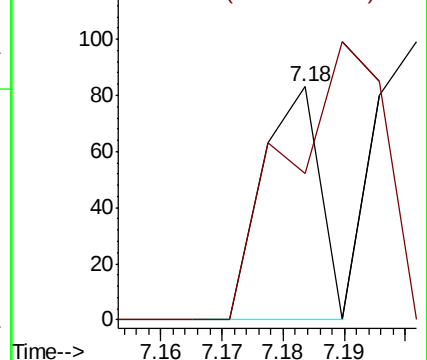
130 100

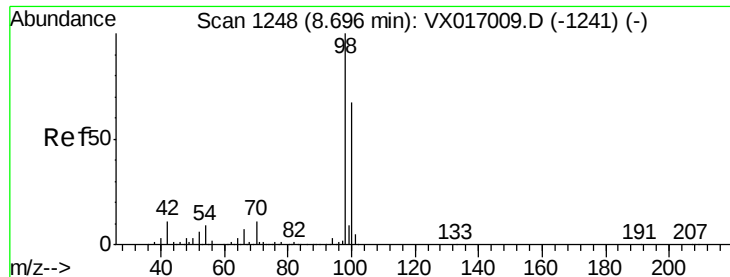
95 62.7 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.627 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017126.D

Acq: 02 Jul 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

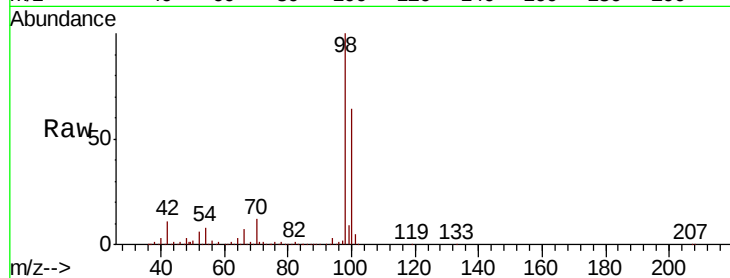
47BR-20200629

Tot Ion: 98 Resp: 425763

Ion Ratio Lower Upper

98 100

100 65.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

300000

250000

200000

150000

100000

50000

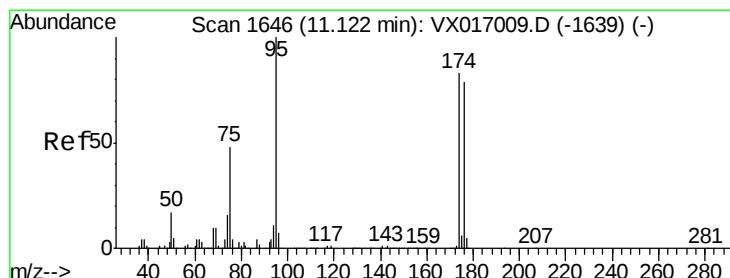
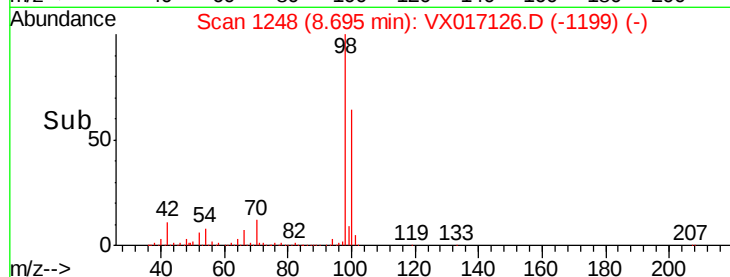
0

8.60

8.70

8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 54.811 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017126.D

Acq: 02 Jul 2020 02:38

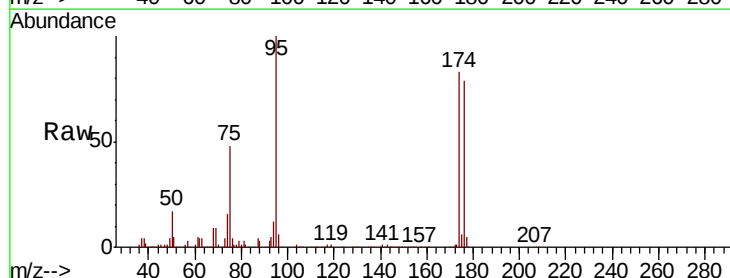
Tgt Ion: 95 Resp: 176700

Ion Ratio Lower Upper

95 100

174 83.9 0.0 164.0

176 79.9 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

200000

150000

100000

50000

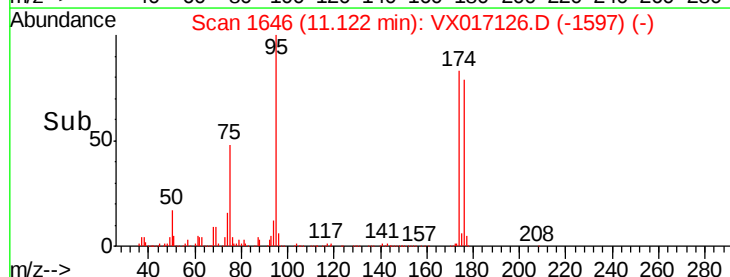
0

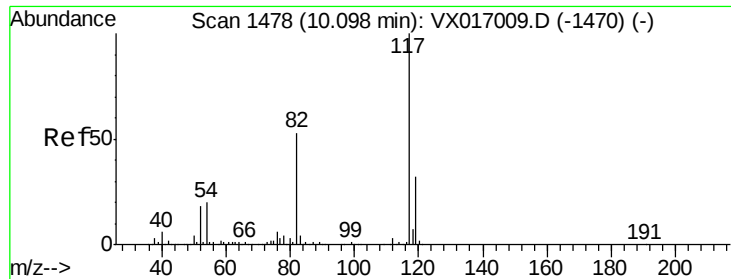
11.10

11.12

11.20

Time-->

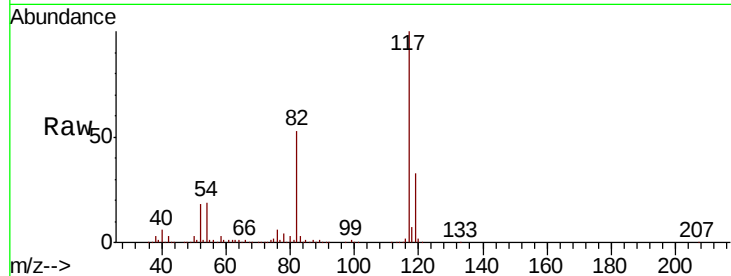




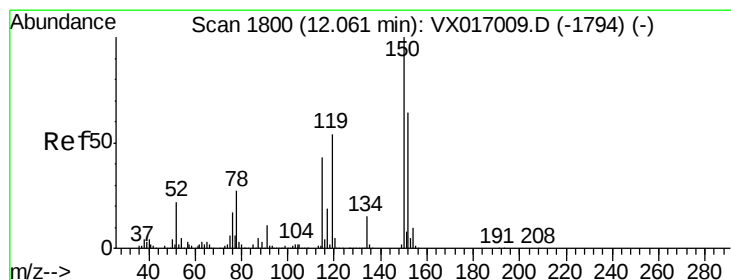
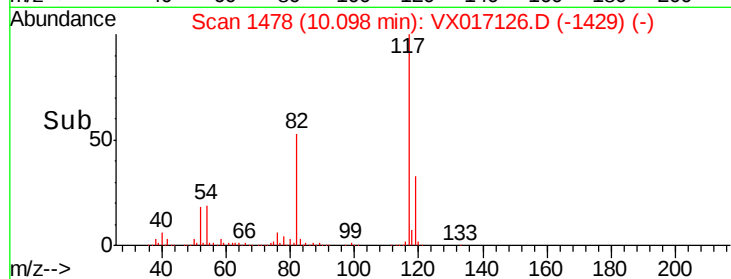
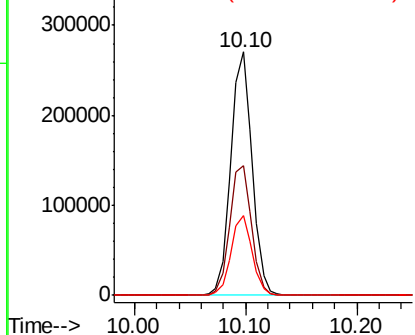
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017126.D
Acq: 02 Jul 2020 02:38

Instrument :
MSVOA_X
ClientSampleId :
47BR-20200629

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.6	63.8
119	32.5	25.4	38.2

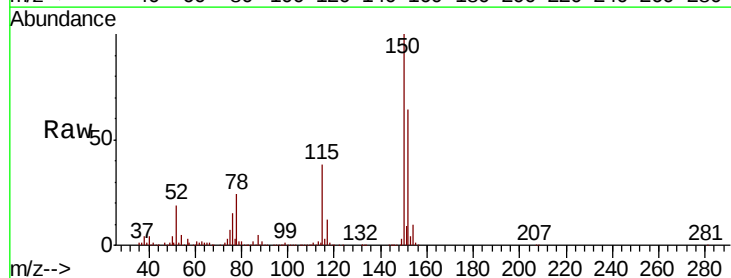


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

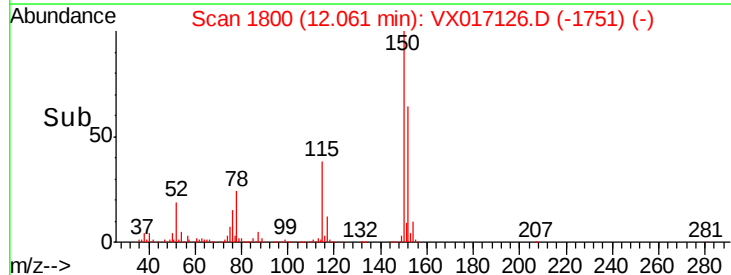
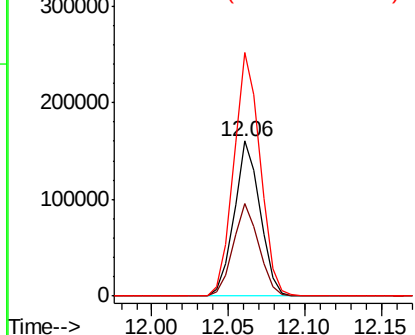


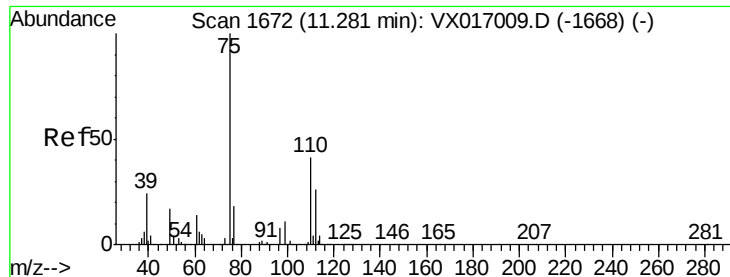
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017126.D
Acq: 02 Jul 2020 02:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	40.9	122.7
150	160.2	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: 23.708 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017126.D

Acq: 02 Jul 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

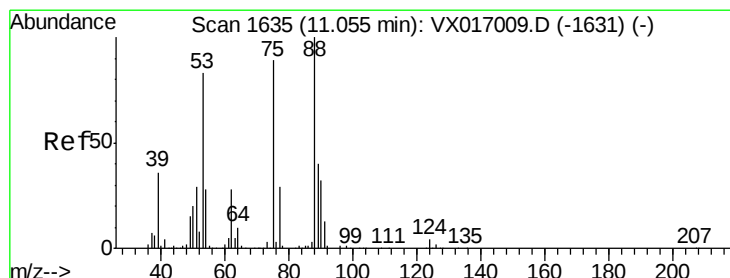
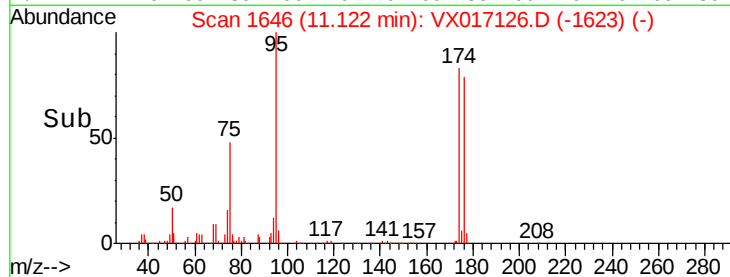
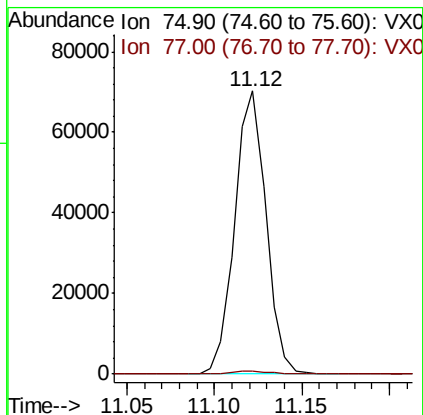
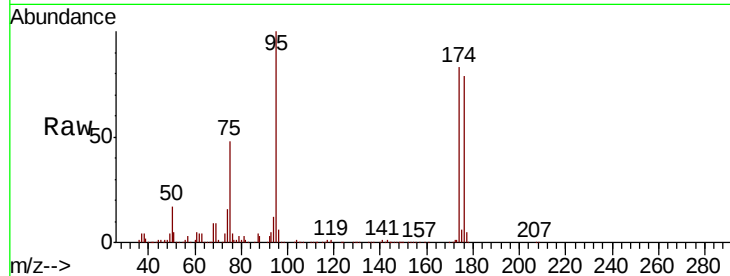
47BR-20200629

Tot Ion: 75 Resp: 87387

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.394 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017126.D

Acq: 02 Jul 2020 02:38

Tgt Ion: 75 Resp: 87387

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 37.0 55.4#

