

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017129.D
 Acq On : 02 Jul 2020 03:46
 Operator : JC/SP
 Sample : L3159-16 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 46BR-20200629

Quant Time: Jul 02 04:22:51 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

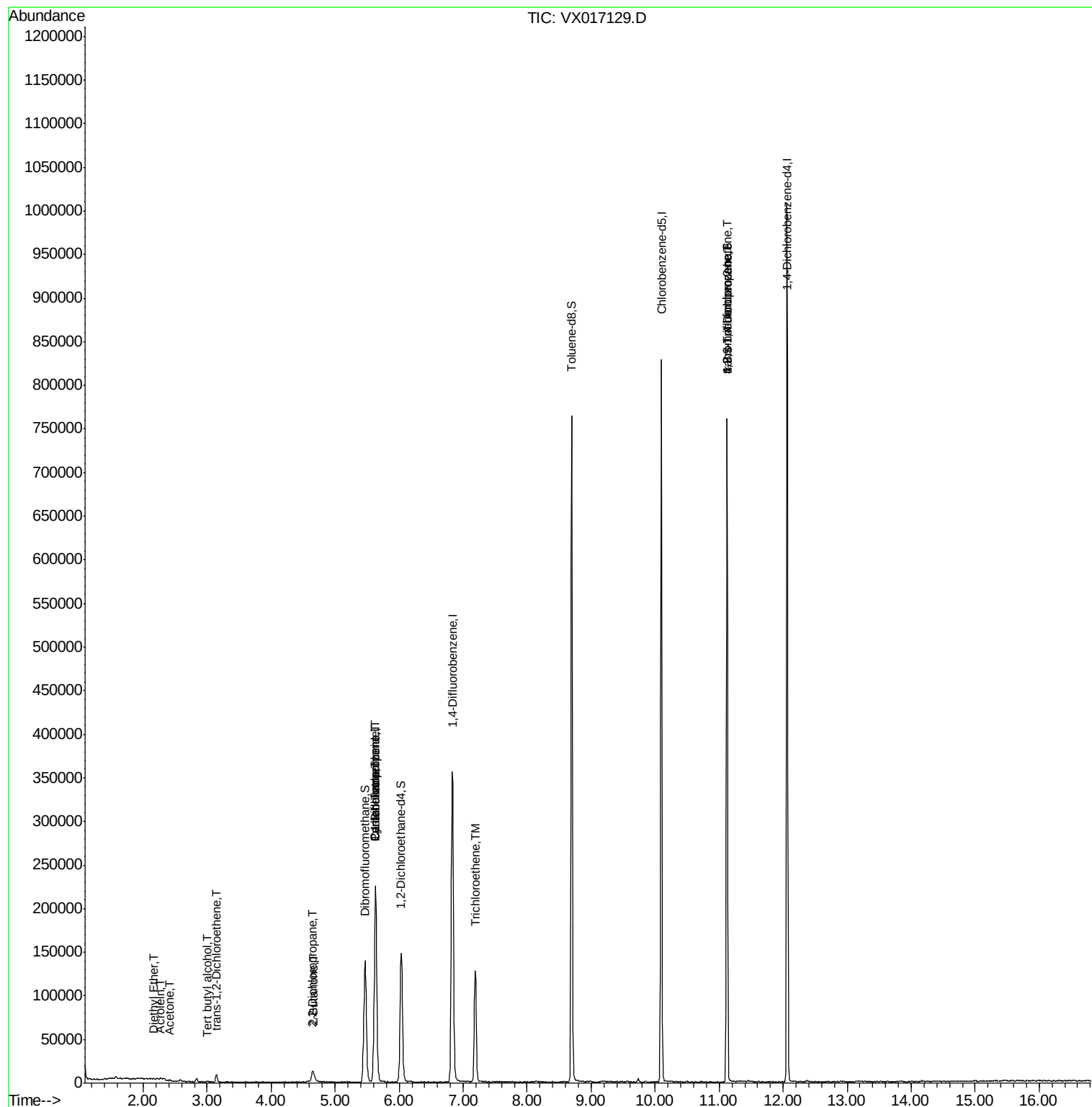
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	210739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	359546	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	376089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	200925	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	142493	54.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.70%	
35) Dibromofluoromethane	5.47	113	120221	52.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.72%	
50) Toluene-d8	8.70	98	441427	52.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	11.12	95	185973	56.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.14%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	260	0.592	ug/l	82
11) Tert butyl alcohol	3.01	59	409	0.825	ug/l #	92
13) Acrolein	2.26	56	202	0.682	ug/l #	25
16) Acetone	2.42	43	1668	1.716	ug/l	92
20) Methylene Chloride	2.83	84	1529	Below Cal	#	91
21) trans-1,2-Dichloroethene	3.14	96	3401	1.470	ug/l	85
25) 2-Butanone	4.65	43	945	0.584	ug/l #	49
26) 2,2-Dichloropropane	4.64	77	1037	0.288	ug/l #	53
31) Cyclohexane	5.62	56	4109	1.171	ug/l #	22
36) 1,1-Dichloropropene	5.64	75	15992	4.706	ug/l #	50
38) Carbon Tetrachloride	5.63	117	20518	5.482	ug/l #	19
44) Trichloroethene	7.19	130	50937	18.292	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	93866	23.757	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	93866	61.522	ug/l #	13
88) 1,4-Dichlorobenzene	12.09	146	552	Below Cal	#	25

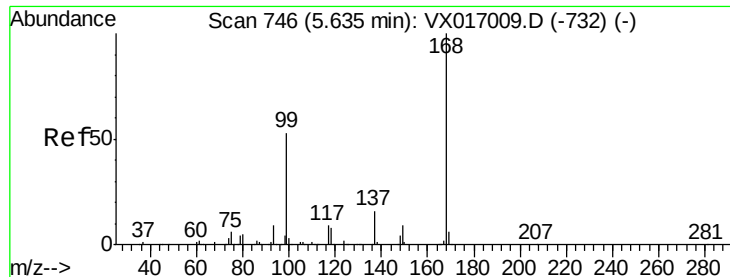
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 02 04:22:51 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: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017129.D

Acq: 02 Jul 2020 03:46

Instrument :

MSVOA_X

ClientSampleId :

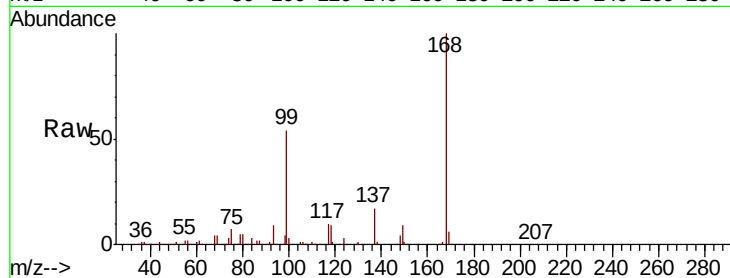
46BR-20200629

Tot Ion:168 Resp: 210739

Ion Ratio Lower Upper

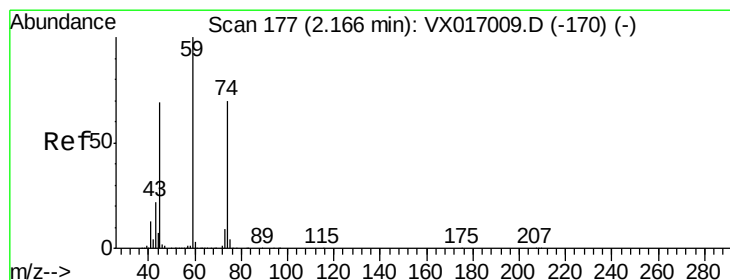
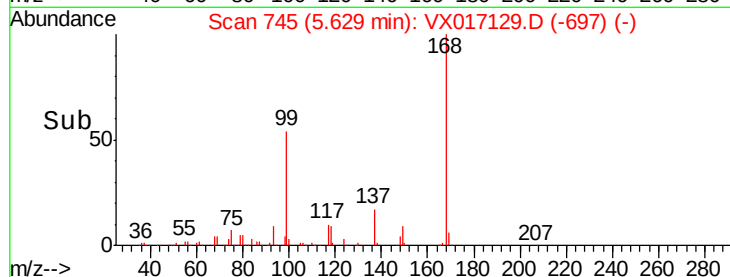
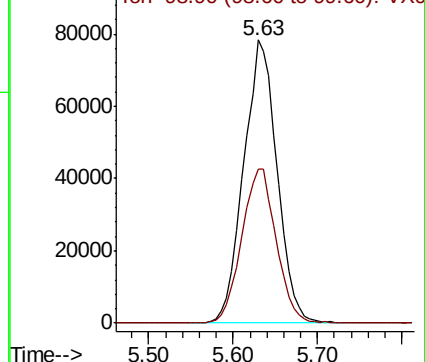
168 100

99 54.4 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: 0.592 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017129.D

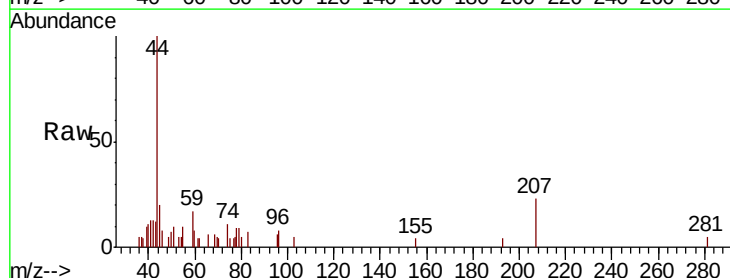
Acq: 02 Jul 2020 03:46

Tgt Ion: 74 Resp: 260

Ion Ratio Lower Upper

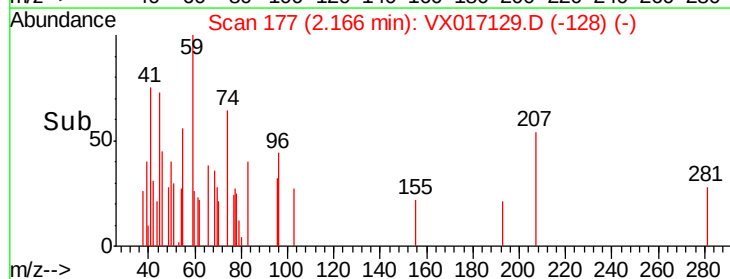
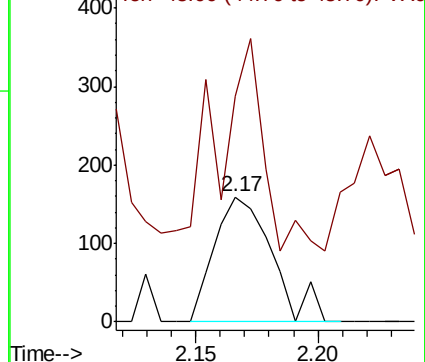
74 100

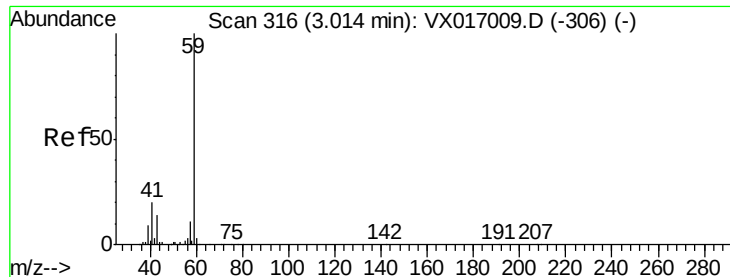
45 117.7 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#11

Tert butyl alcohol

Concen: 0.825 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017129.D

Acq: 02 Jul 2020 03:46

Instrument :

MSVOA_X

ClientSampleId :

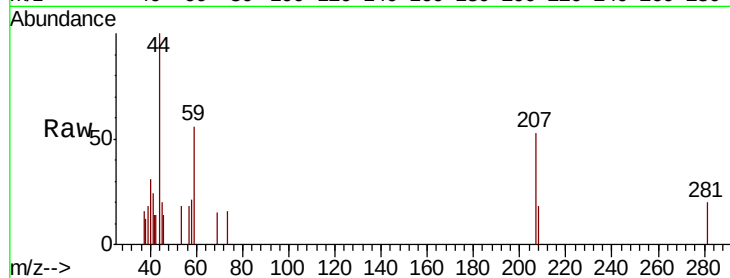
46BR-20200629

Tot Ion: 59 Resp: 409

Ion Ratio Lower Upper

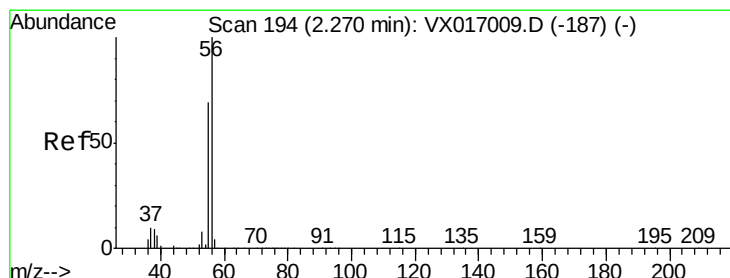
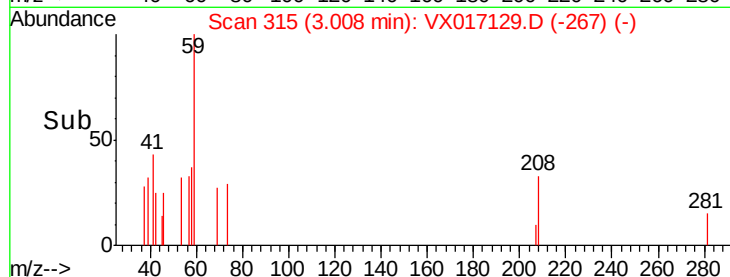
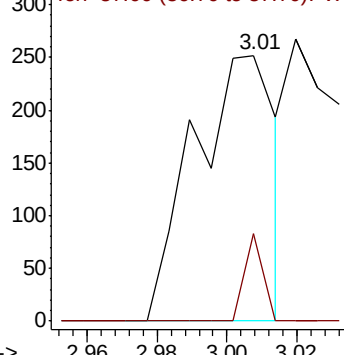
59 100

57 7.3 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: 0.682 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX017129.D

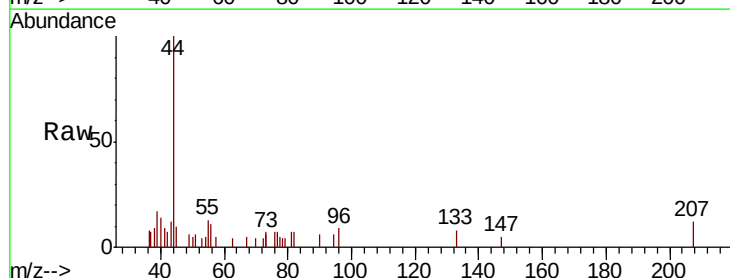
Acq: 02 Jul 2020 03:46

Tgt Ion: 56 Resp: 202

Ion Ratio Lower Upper

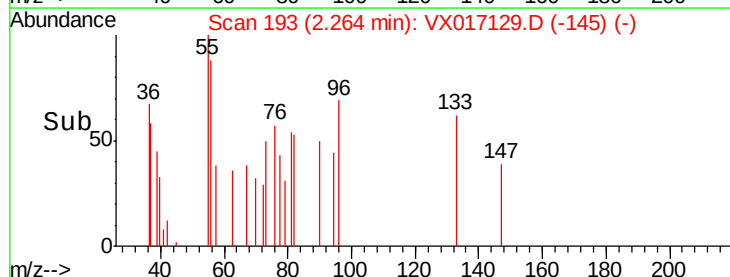
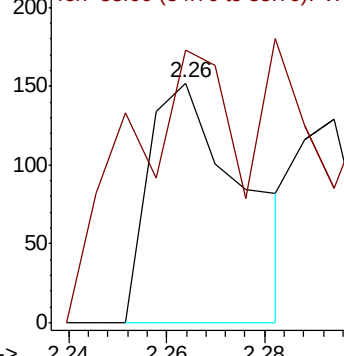
56 100

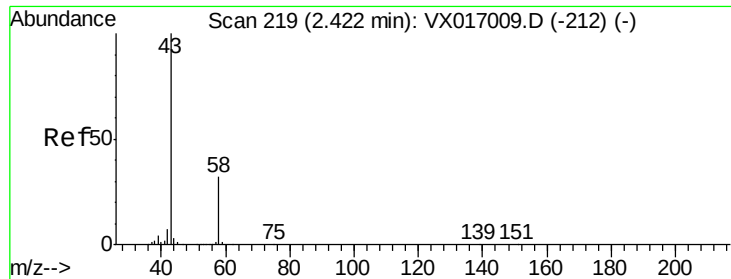
55 130.7 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.716 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017129.D

Acq: 02 Jul 2020 03:46

Instrument :

MSVOA_X

ClientSampleId :

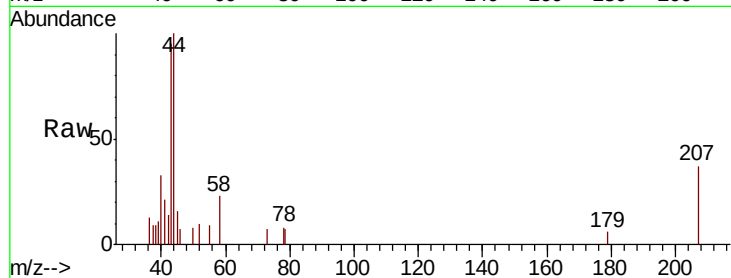
46BR-20200629

Tot Ion: 43 Resp: 1668

Ion Ratio Lower Upper

43 100

58 27.6 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

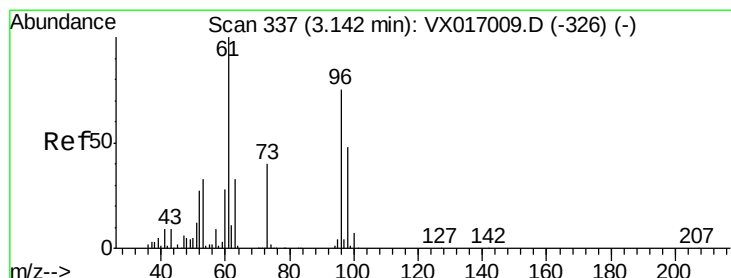
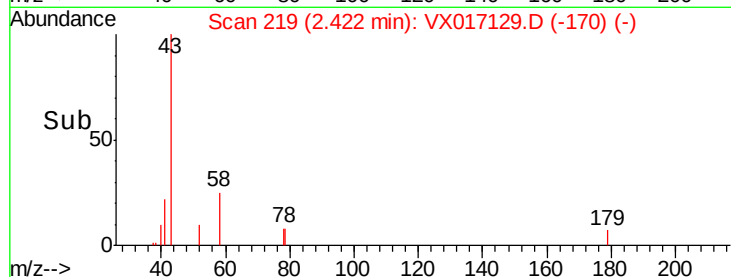
400

200

0

2.40 2.45

Time-->



#21

trans-1,2-Dichloroethene

Concen: 1.470 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017129.D

Acq: 02 Jul 2020 03:46

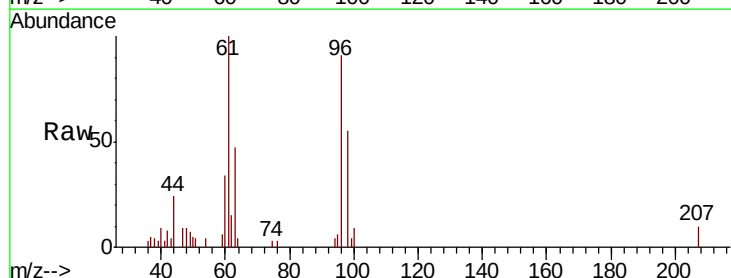
Tgt Ion: 96 Resp: 3401

Ion Ratio Lower Upper

96 100

61 109.8 107.0 160.6

98 60.3 51.6 77.4



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

3000

2500

2000

1500

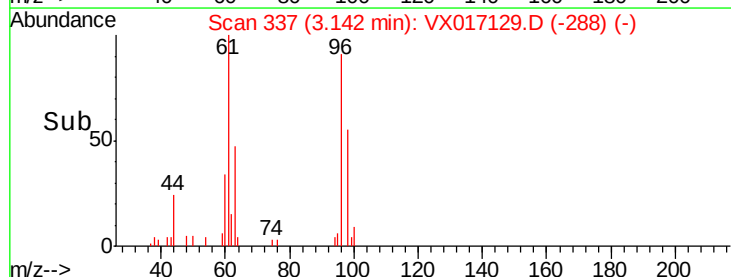
1000

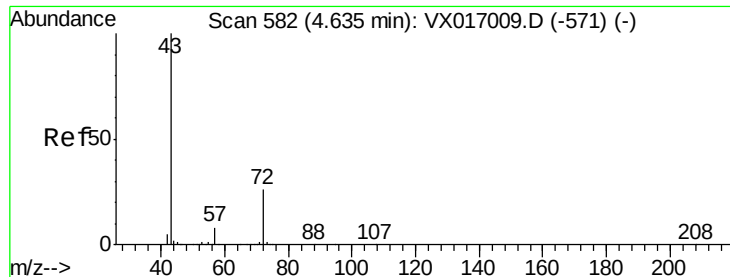
500

0

3.05 3.10 3.15 3.20

Time-->





#25

2-Butanone

Concen: 0.584 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017129.D

Acq: 02 Jul 2020 03:46

Instrument :

MSVOA_X

ClientSampleId :

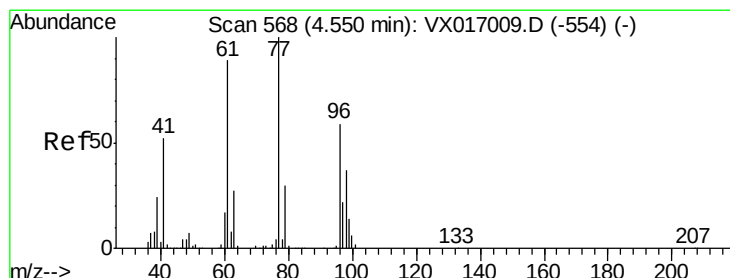
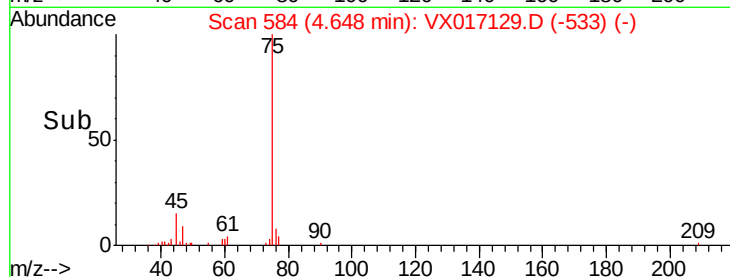
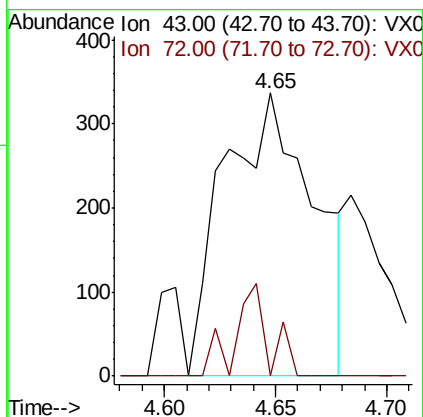
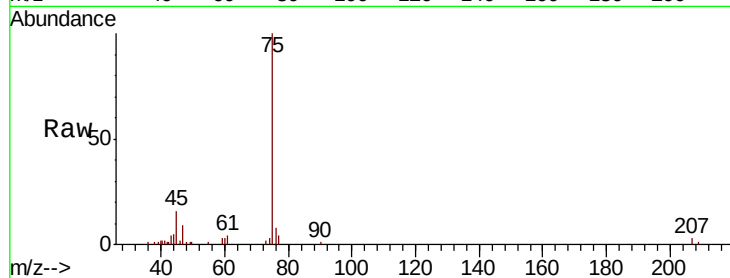
46BR-20200629

Tot Ion: 43 Resp: 945

Ion Ratio Lower Upper

43 100

72 0.0 20.8 31.2#



#26

2,2-Dichloropropane

Concen: 0.288 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.09 min

Lab File: VX017129.D

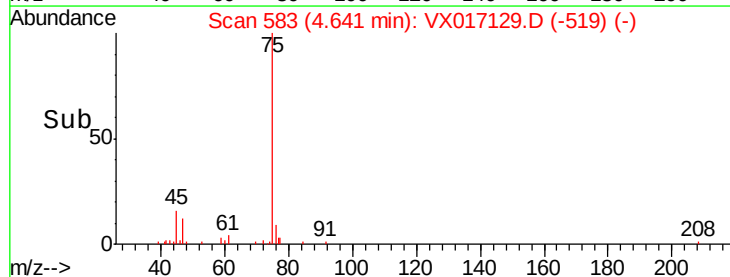
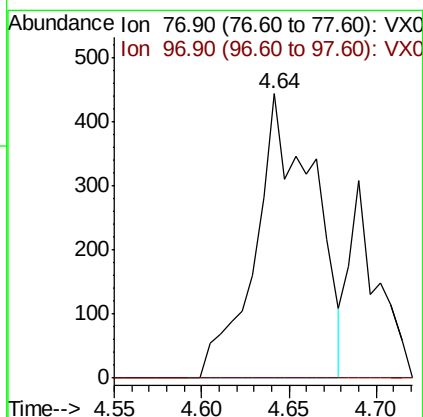
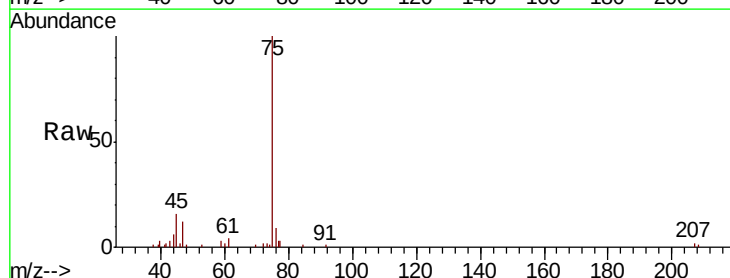
Acq: 02 Jul 2020 03:46

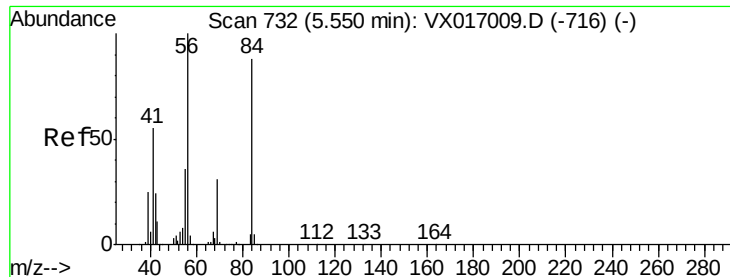
Tgt Ion: 77 Resp: 1037

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#

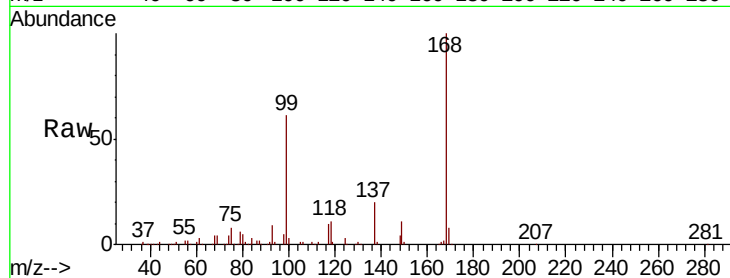




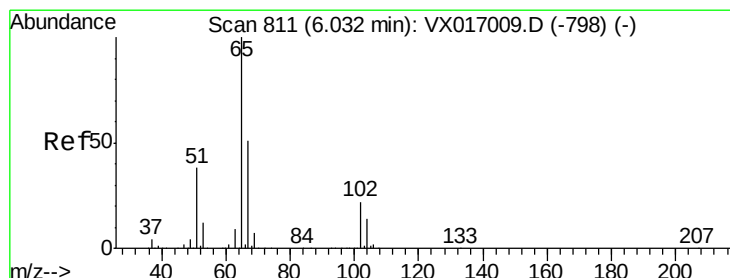
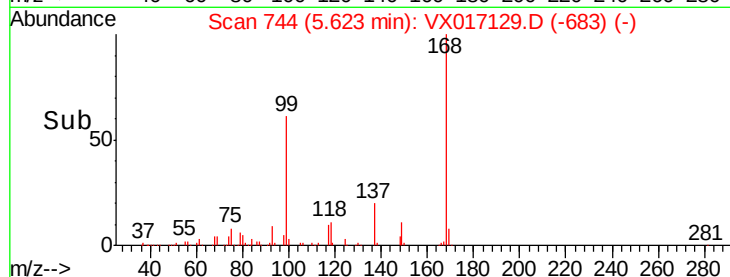
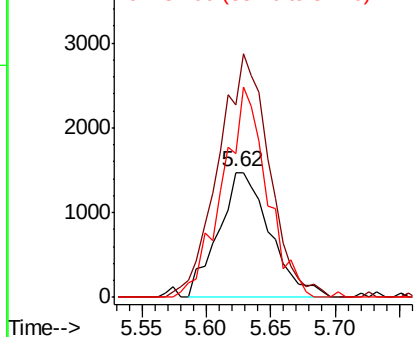
#31
Cyclohexane
Concen: 1.171 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017129.D
Acq: 02 Jul 2020 03:46

Instrument :
MSVOA_X
ClientSampleId :
46BR-20200629

Tot Ion: 56 Resp: 4109
Ion Ratio Lower Upper
56 100
69 153.8 25.0 37.4#
84 110.8 69.1 103.7#

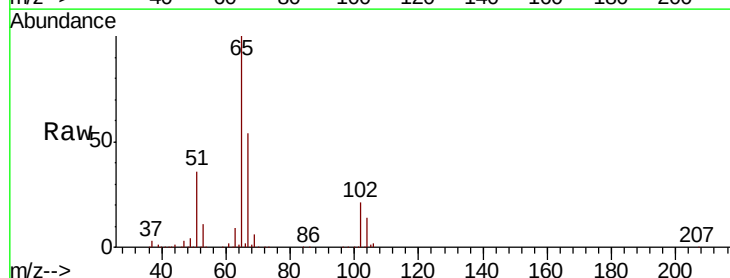


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

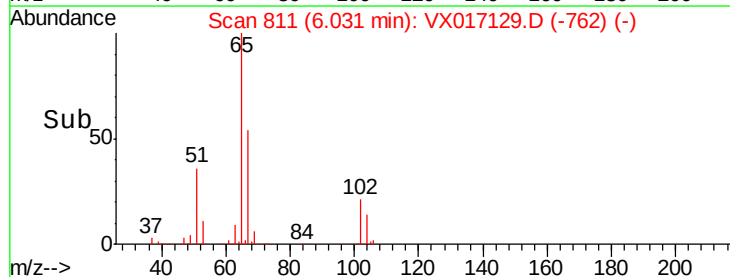
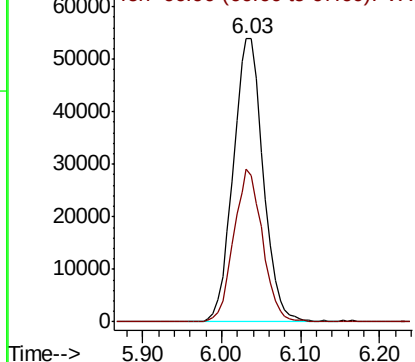


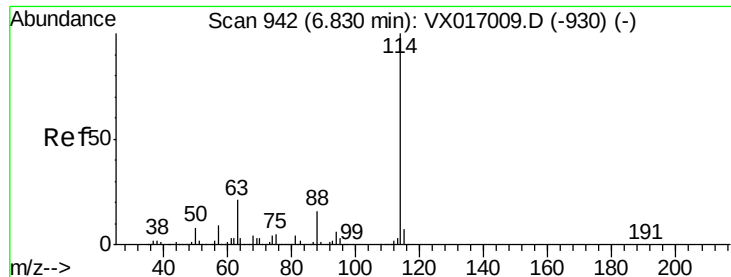
#33
1,2-Dichloroethane-d4
Concen: 54.847 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017129.D
Acq: 02 Jul 2020 03:46

Tgt Ion: 65 Resp: 142493
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017129.D

Acq: 02 Jul 2020 03:46

Instrument :

MSVOA_X

ClientSampleId :

46BR-20200629

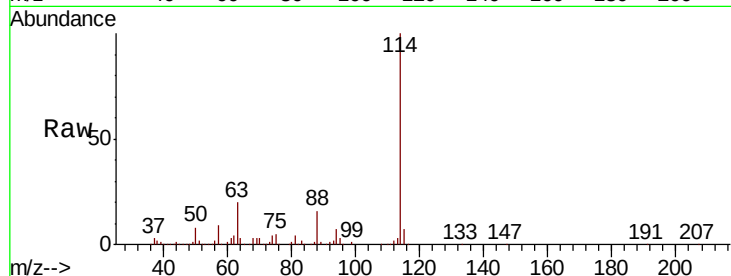
Tot Ion:114 Resp: 359546

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

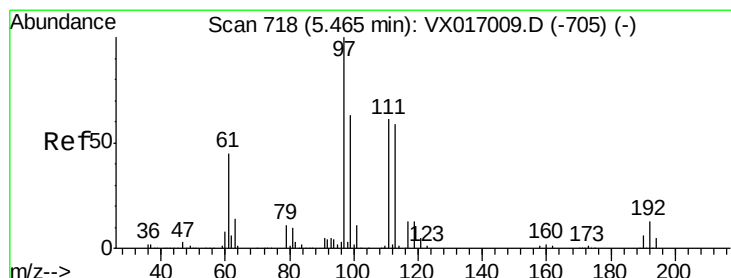
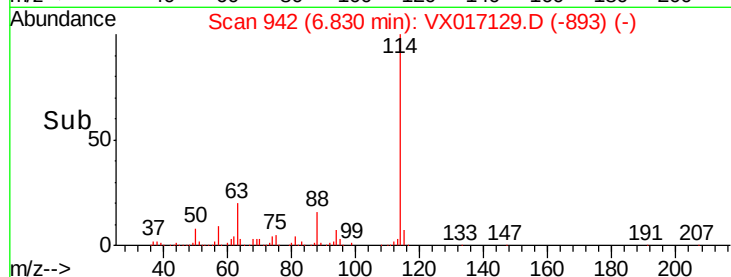
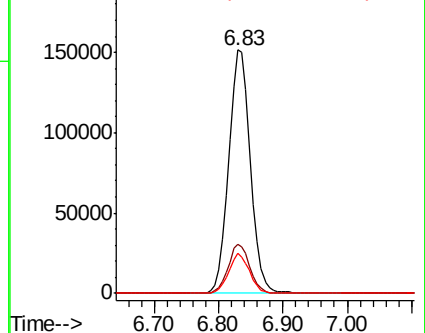
88 16.4 0.0 32.4



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: 52.859 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017129.D

Acq: 02 Jul 2020 03:46

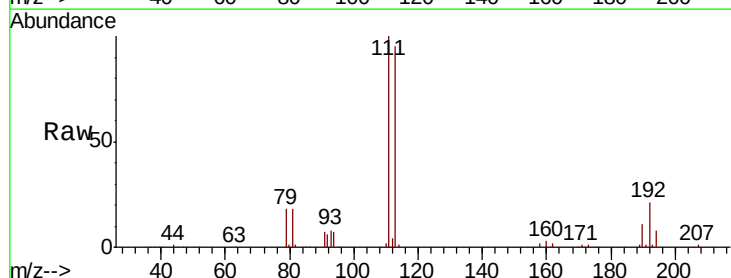
Tgt Ion:113 Resp: 120221

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

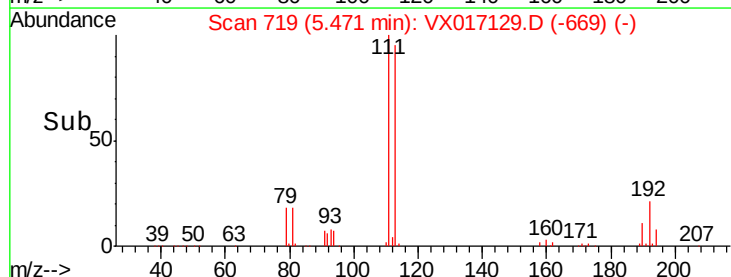
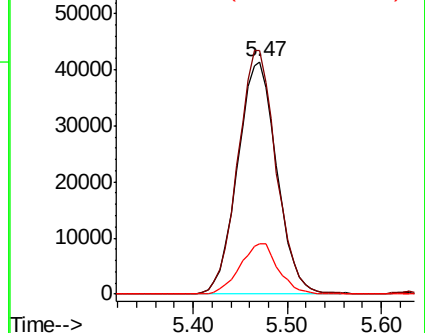
192 21.1 16.7 25.1

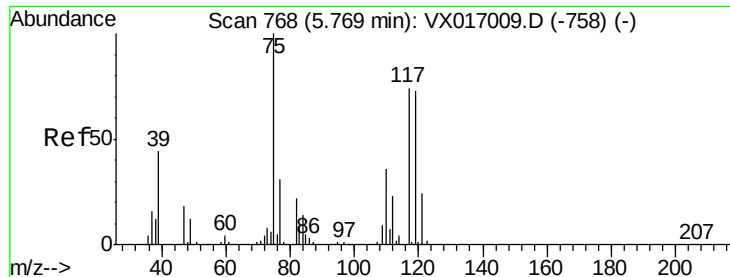


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

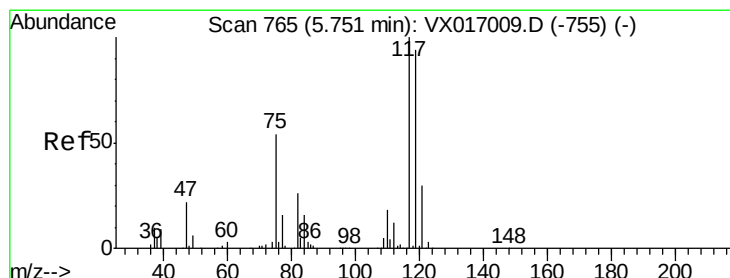
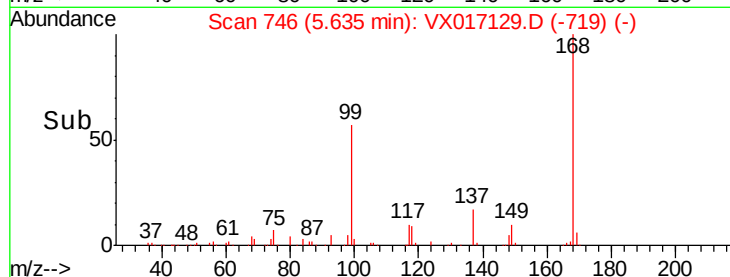
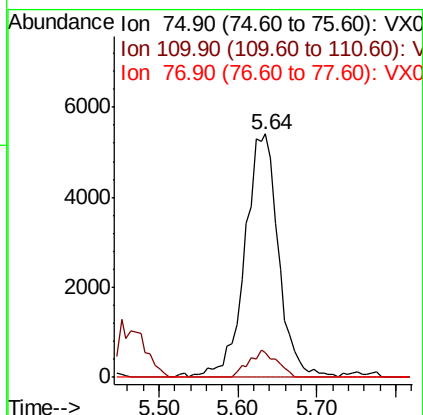
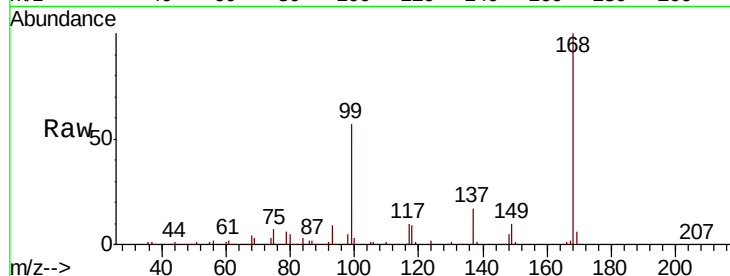




#36
 1,1-Dichloropropene
 Concen: 4.706 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017129.D
 Acq: 02 Jul 2020 03:46

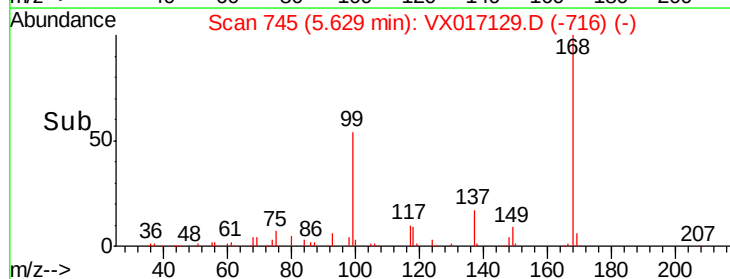
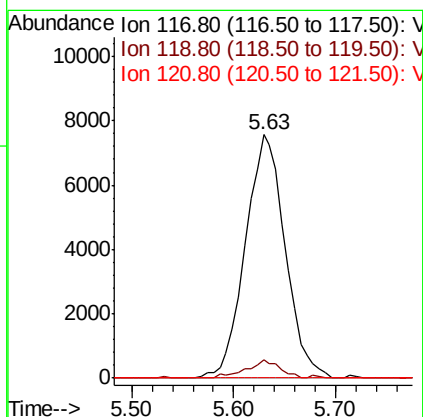
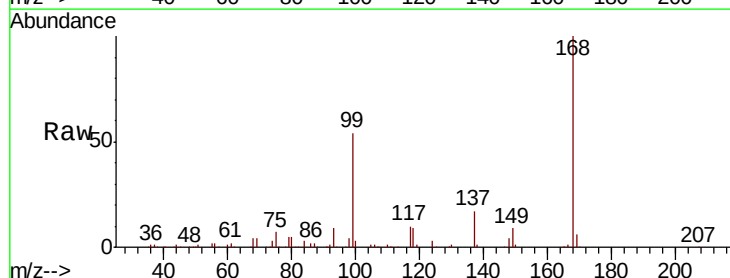
Instrument :
 MSVOA_X
 ClientSampleId :
 46BR-20200629

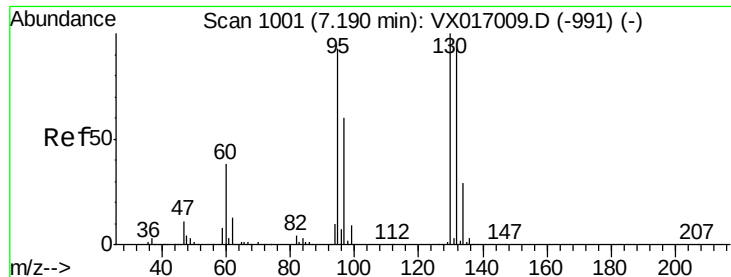
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.1#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.482 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017129.D
 Acq: 02 Jul 2020 03:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.7	75.4	113.0#
121	0.0	23.8	35.6#





#44

Trichloroethene

Concen: 18.292 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017129.D

Acq: 02 Jul 2020 03:46

Instrument :

MSVOA_X

ClientSampleId :

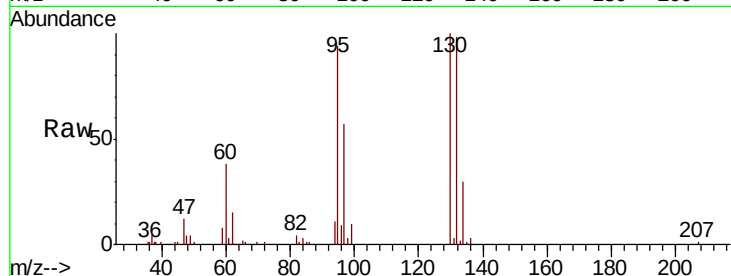
46BR-20200629

Tot Ion:130 Resp: 50937

Ion Ratio Lower Upper

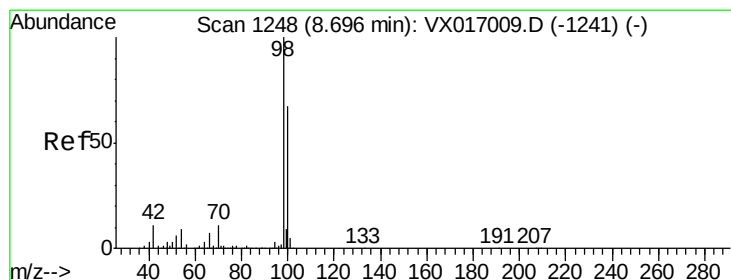
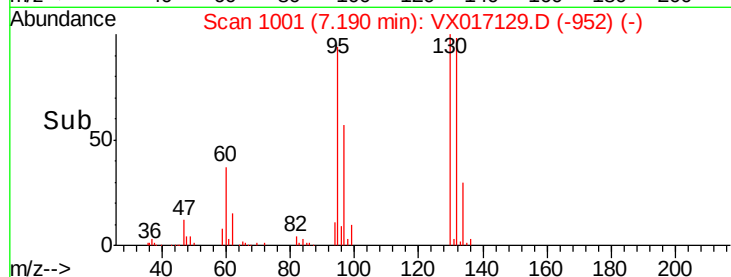
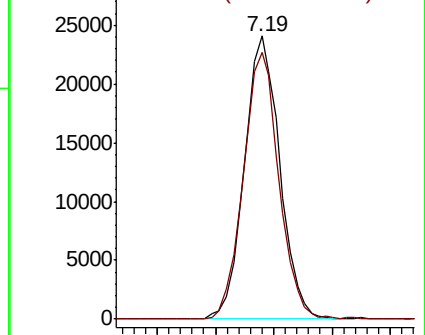
130 100

95 94.3 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: 52.487 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017129.D

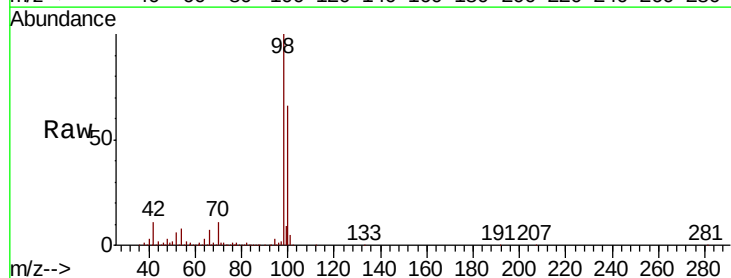
Acq: 02 Jul 2020 03:46

Tgt Ion: 98 Resp: 441427

Ion Ratio Lower Upper

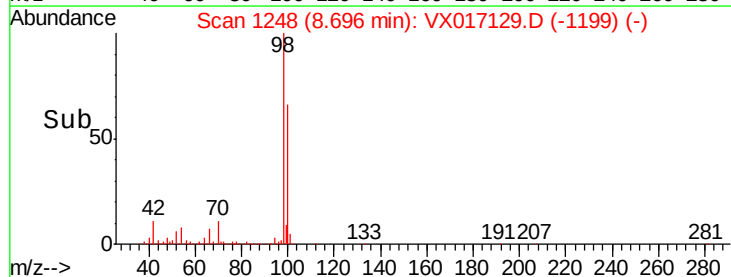
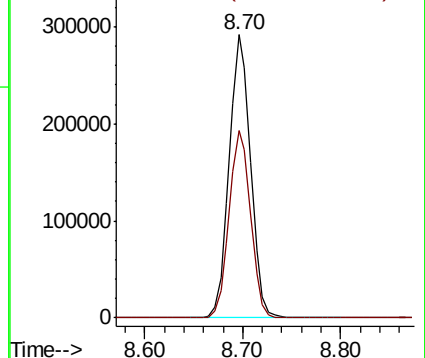
98 100

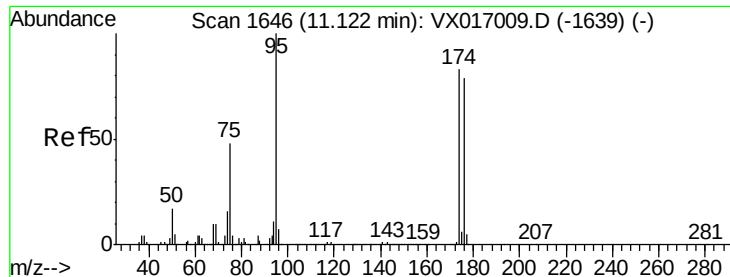
100 66.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

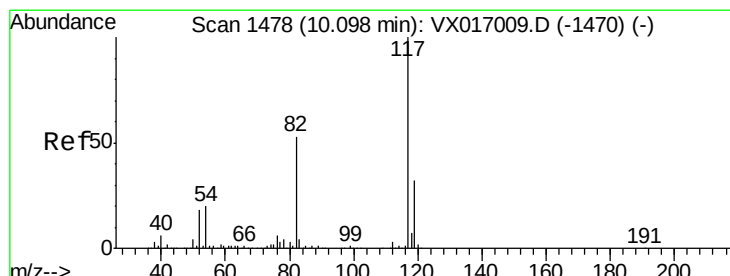
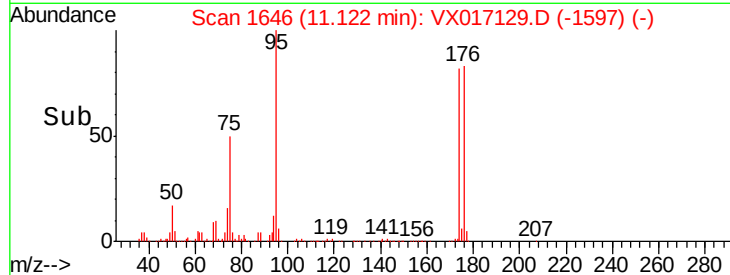
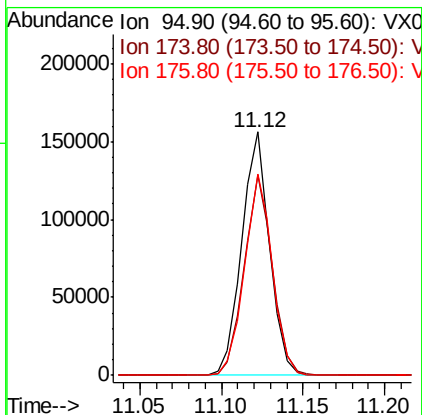
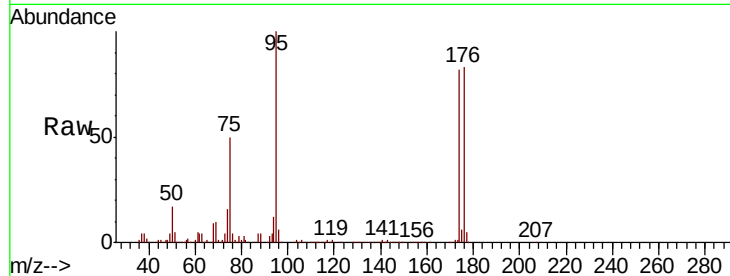




#62
4-Bromofluorobenzene
Concen: 56.567 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017129.D
Acq: 02 Jul 2020 03:46

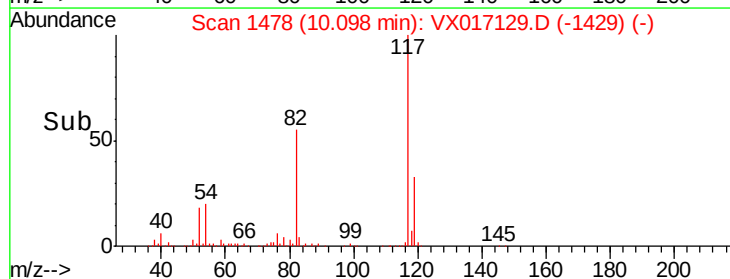
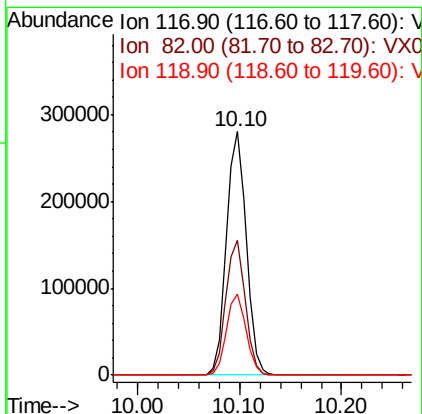
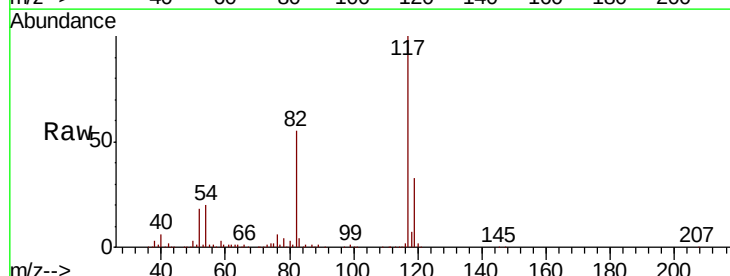
Instrument :
MSVOA_X
ClientSampleId :
46BR-20200629

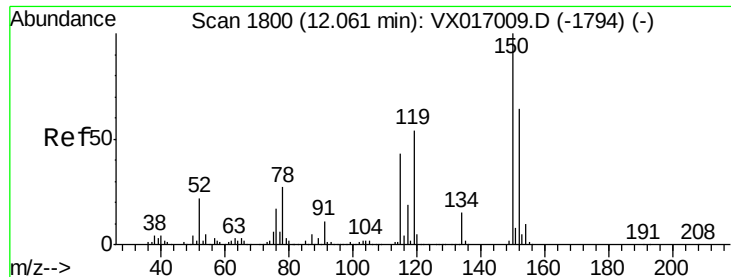
Tot Ion: 95 Resp: 185973
Ion Ratio Lower Upper
95 100
174 83.4 0.0 164.0
176 82.6 0.0 157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017129.D
Acq: 02 Jul 2020 03:46

Tgt Ion: 117 Resp: 376089
Ion Ratio Lower Upper
117 100
82 55.3 42.6 63.8
119 33.2 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: VX017129.D

Acq: 02 Jul 2020 03:46

Instrument :

MSVOA_X

ClientSampleId :

46BR-20200629

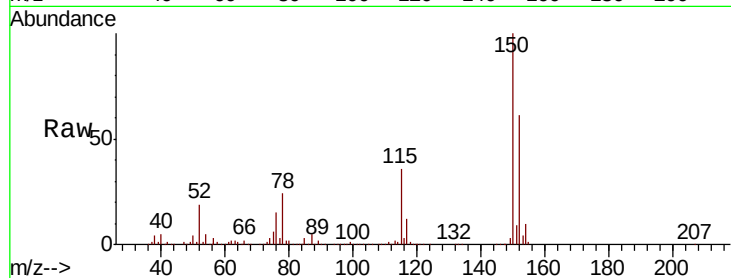
Tot Ion:152 Resp: 200925

Ion Ratio Lower Upper

152 100

115 58.3 40.9 122.7

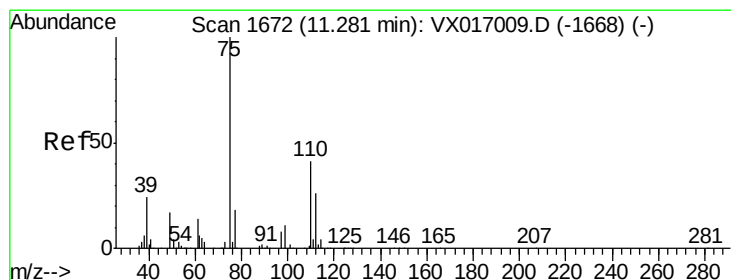
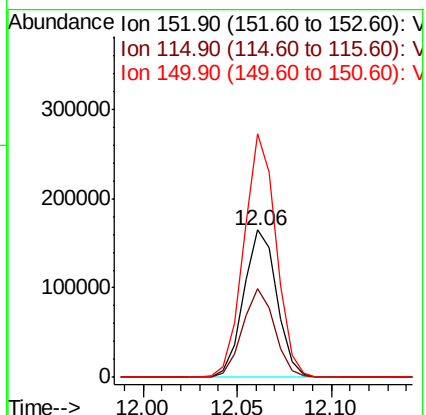
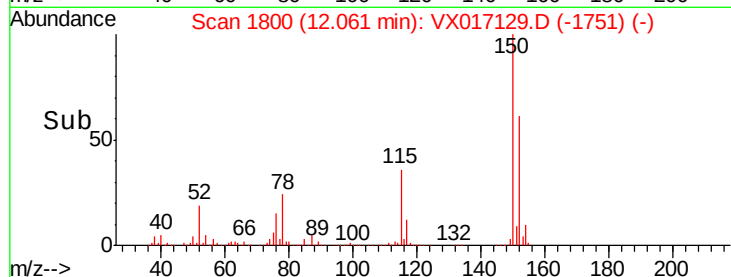
150 160.5 0.0 351.6



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: 23.757 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017129.D

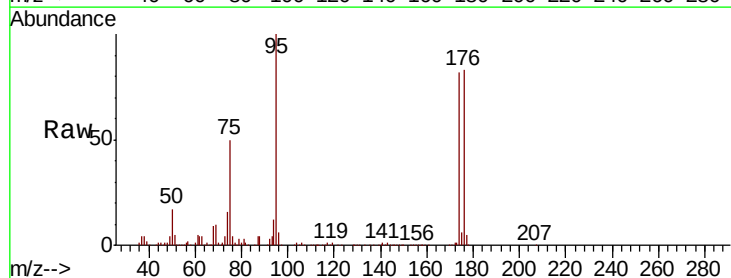
Acq: 02 Jul 2020 03:46

Tgt Ion: 75 Resp: 93866

Ion Ratio Lower Upper

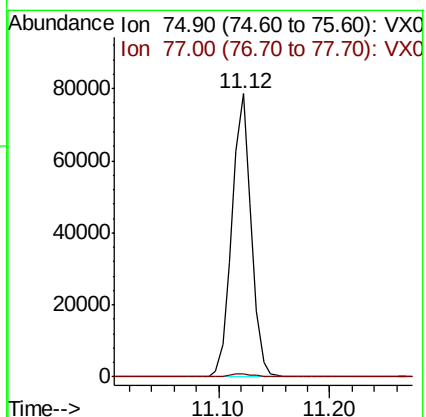
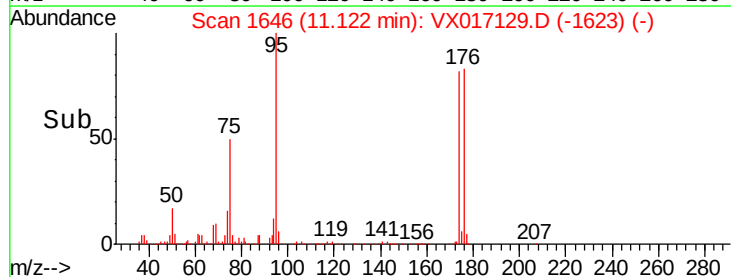
75 100

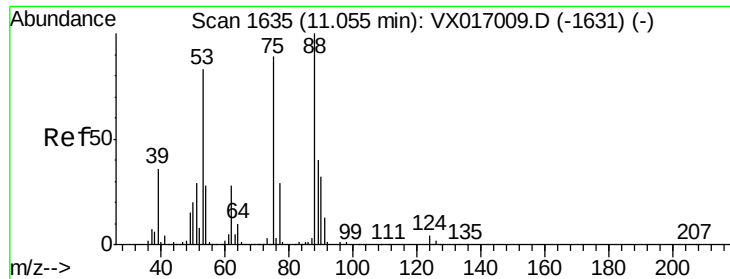
77 1.3 20.2 60.6#



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: 61.522 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017129.D

Acq: 02 Jul 2020 03:46

Instrument :

MSVOA_X

ClientSampleId :

46BR-20200629

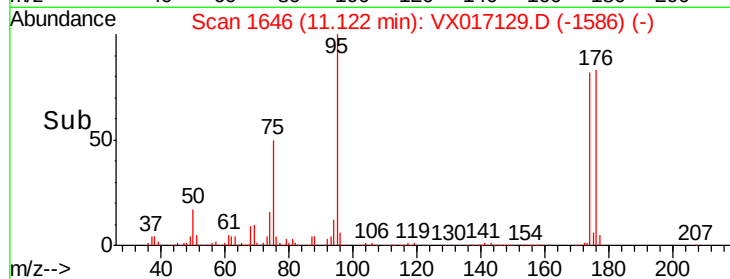
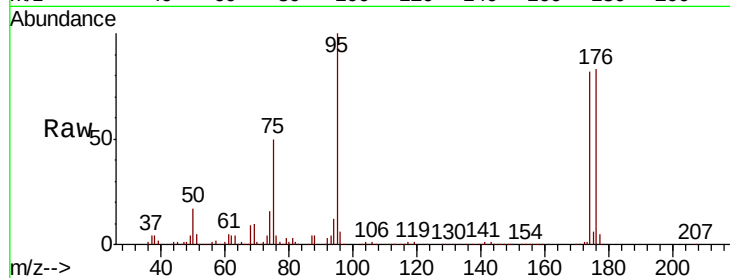
Tot Ion: 75 Resp: 93866

Ion Ratio Lower Upper

75 100

53 0.3 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

