

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070720\
 Data File : VX017205.D
 Acq On : 07 Jul 2020 15:52
 Operator : JC/SP
 Sample : L3159-22
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40BR-20200629

Quant Time: Jul 08 01:53:38 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

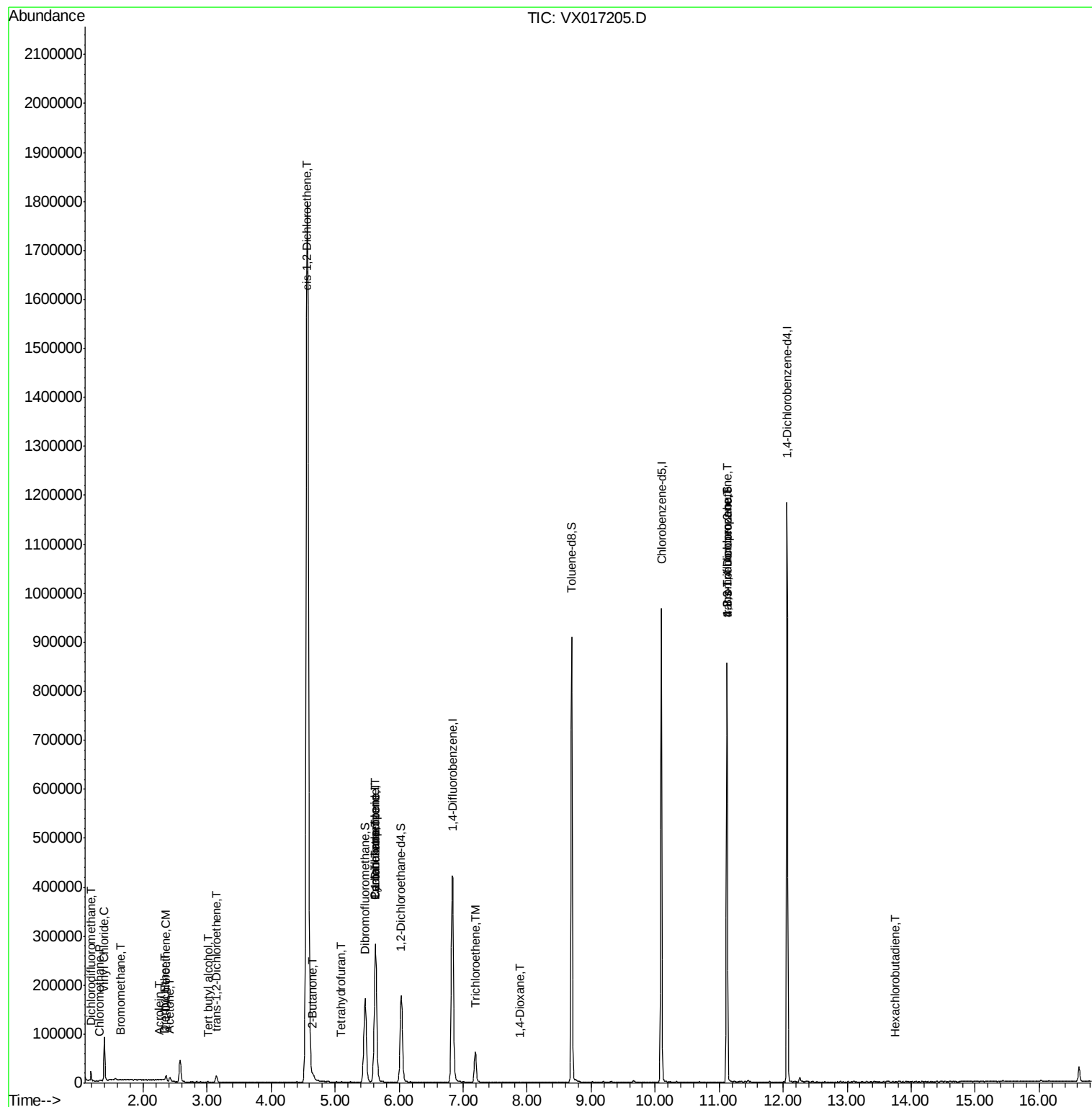
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	267148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	431908	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	444762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	237956	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	168921	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
35) Dibromofluoromethane	5.47	113	146947	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
50) Toluene-d8	8.70	98	526225	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	11.12	95	213176	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.18	85	9608	3.718	ug/l	98
3) Chloromethane	1.31	50	710	0.227	ug/l	100
4) Vinyl Chloride	1.39	62	54362	18.729	ug/l	93
5) Bromomethane	1.64	94	316	0.206	ug/l #	29
8) Diethyl Ether	2.34	74	135	0.458	ug/l	84
11) Tert butyl alcohol	3.01	59	981	1.561	ug/l #	65
12) 1,1-Dichloroethene	2.36	96	3338	1.263	ug/l	92
13) Acrolein	2.26	56	187	0.498	ug/l #	1
16) Acetone	2.42	43	8307	6.743	ug/l	92
20) Methylene Chloride	2.84	84	376	Below Cal	#	77
21) trans-1,2-Dichloroethene	3.15	96	5413	1.845	ug/l #	88
25) 2-Butanone	4.65	43	3152	1.535	ug/l #	80
27) cis-1,2-Dichloroethene	4.57	96	1174206	353.314	ug/l	89
29) Tetrahydrofuran	5.09	42	279	0.206	ug/l #	45
31) Cyclohexane	5.62	56	5130	1.154	ug/l #	4
36) 1,1-Dichloropropene	5.63	75	19676	4.820	ug/l #	51
38) Carbon Tetrachloride	5.63	117	25670	5.709	ug/l #	19
44) Trichloroethene	7.19	130	24701	7.198	ug/l	96
49) 1,4-Dioxane	7.89	88	22	0.297	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	106531	22.767	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	106531	58.957	ug/l #	13
88) 1,4-Dichlorobenzene	12.09	146	520	Below Cal	#	25
94) Hexachlorobutadiene	13.76	225	28	0.859	ug/l #	17

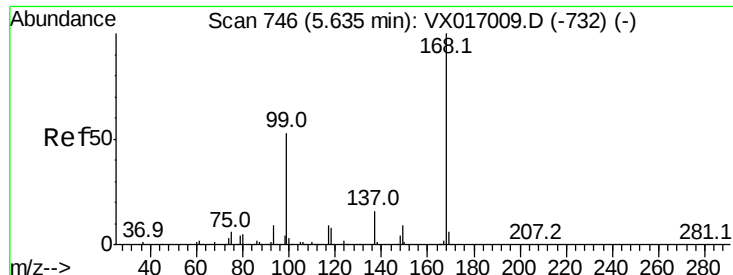
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070720\
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40BR-20200629

Quant Time: Jul 08 01:53:38 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: VX017205.D

Acq: 07 Jul 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

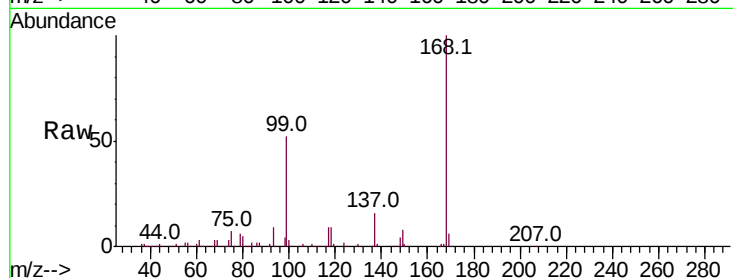
40BR-20200629

Tot Ion:168 Resp: 267148

Ion Ratio Lower Upper

168 100

99 52.1 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

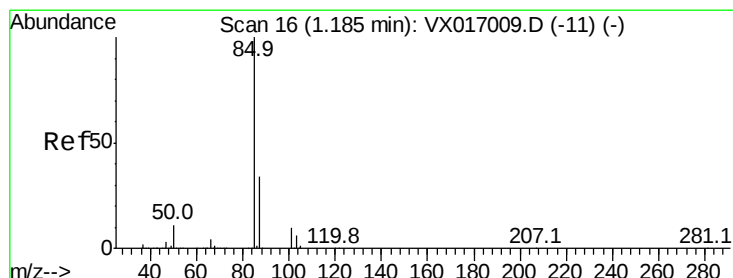
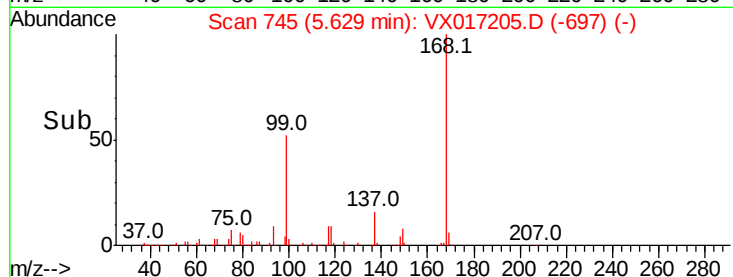
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 3.718 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017205.D

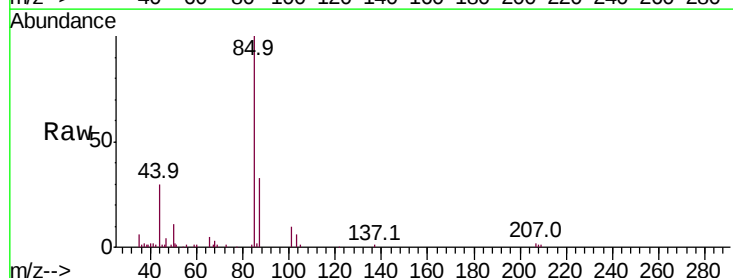
Acq: 07 Jul 2020 15:52

Tgt Ion: 85 Resp: 9608

Ion Ratio Lower Upper

85 100

87 32.5 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

12000

10000

8000

6000

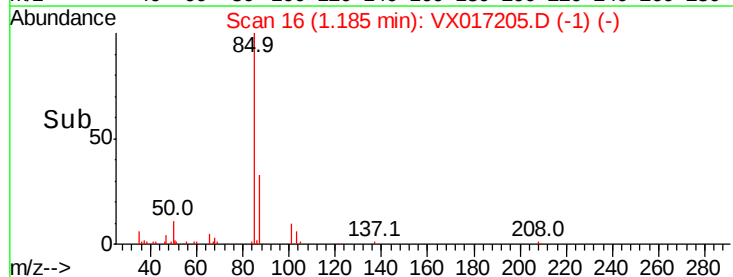
4000

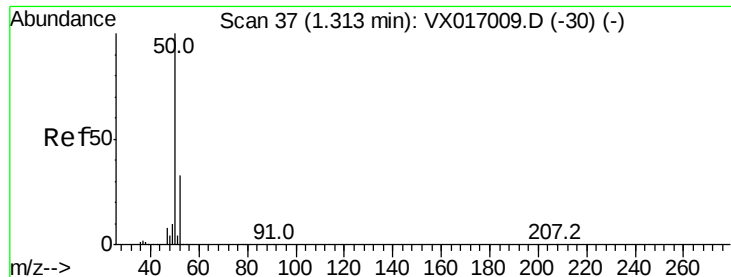
2000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 0.227 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017205.D

Acq: 07 Jul 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

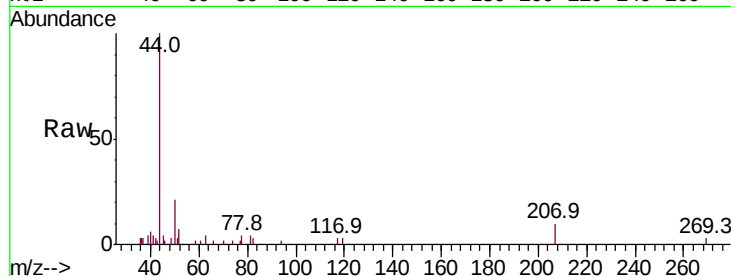
40BR-20200629

Tot Ion: 50 Resp: 710

Ion Ratio Lower Upper

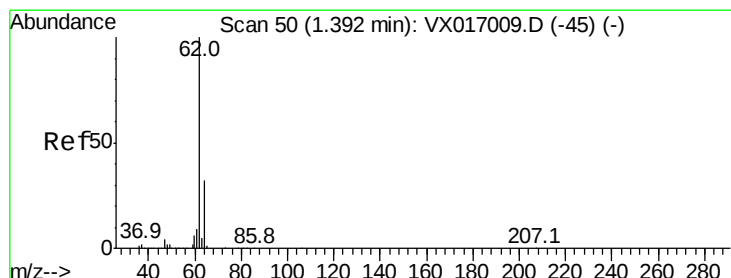
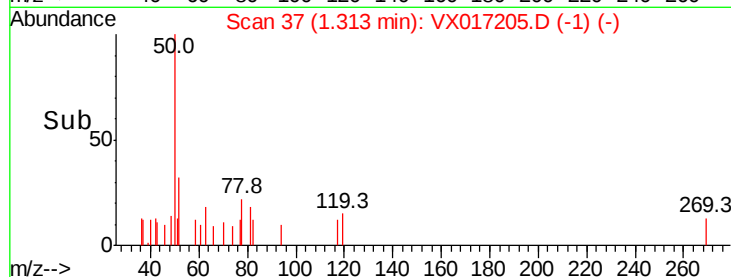
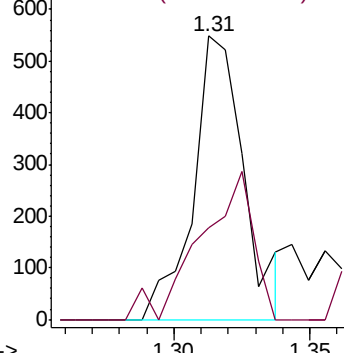
50 100

52 32.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.729 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017205.D

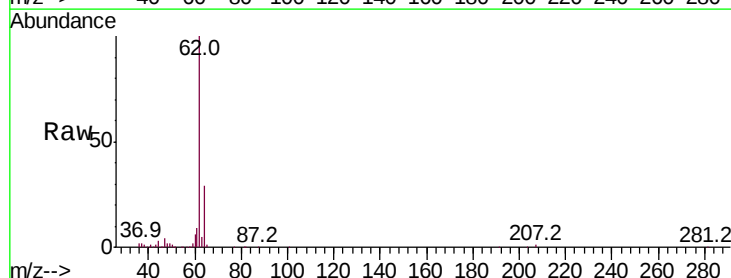
Acq: 07 Jul 2020 15:52

Tgt Ion: 62 Resp: 54362

Ion Ratio Lower Upper

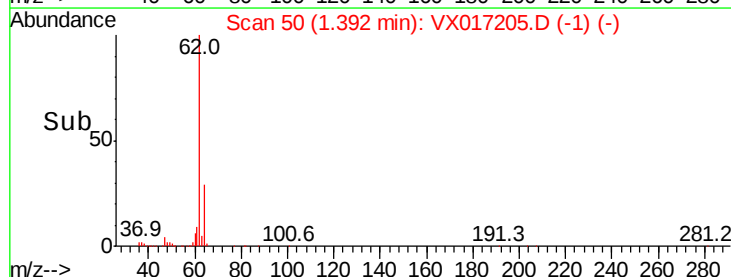
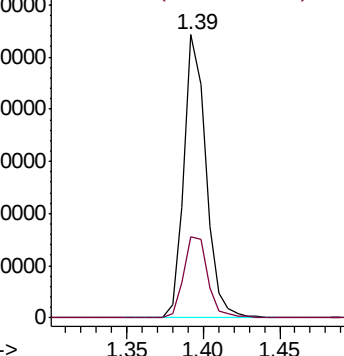
62 100

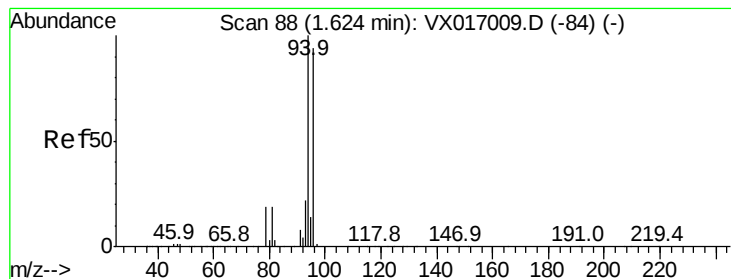
64 28.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.206 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017205.D

Acq: 07 Jul 2020 15:52

Instrument :

MSVOA_X

ClientSampled :

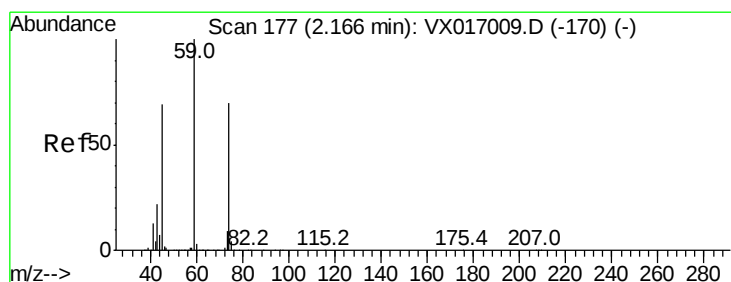
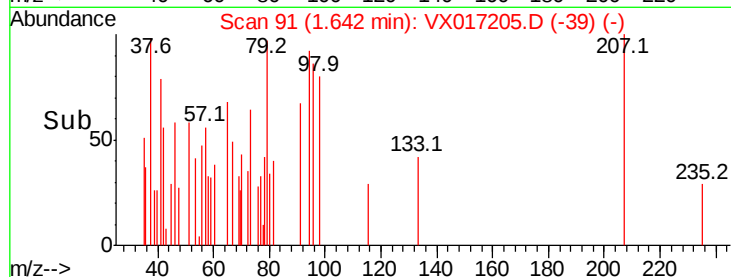
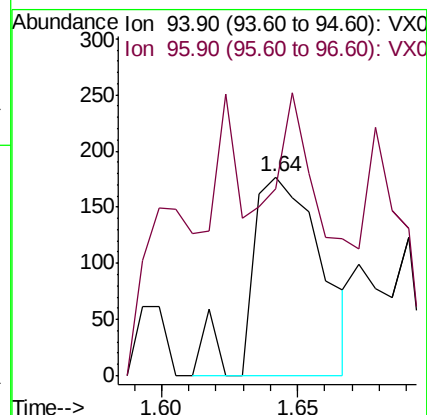
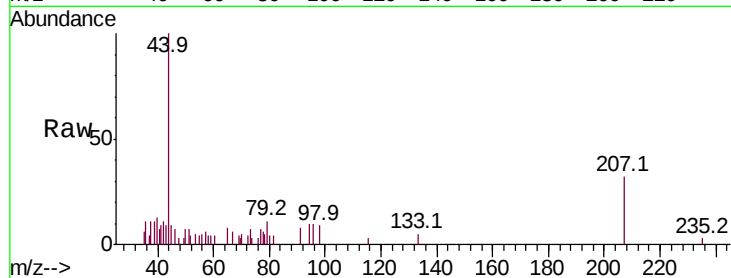
40BR-20200629

Tot Ion: 94 Resp: 316

Ion Ratio Lower Upper

94 100

96 24.9 75.0 112.4#



#8

Diethyl Ether

Concen: 0.458 ug/l

RT: 2.34 min Scan# 205

Delta R.T. 0.17 min

Lab File: VX017205.D

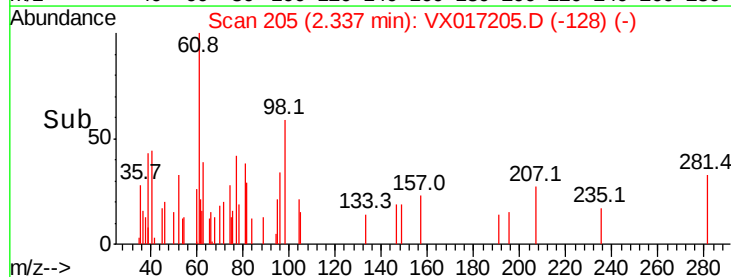
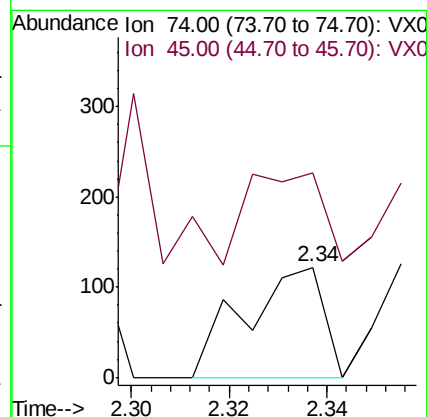
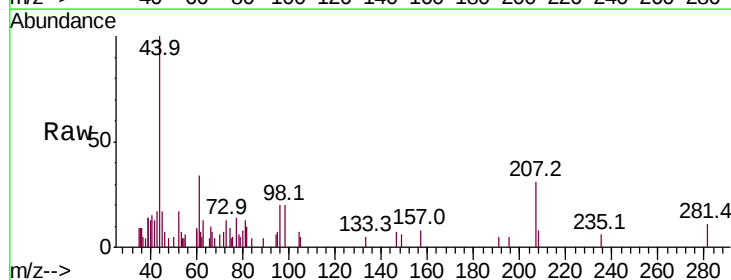
Acq: 07 Jul 2020 15:52

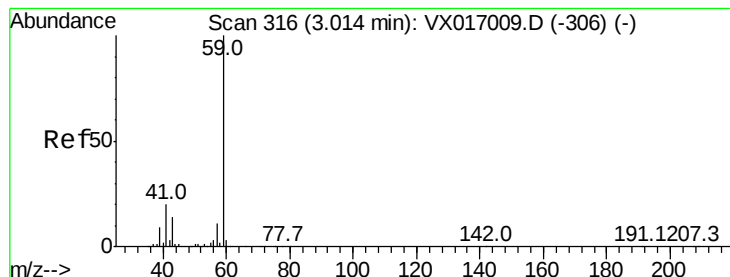
Tgt Ion: 74 Resp: 135

Ion Ratio Lower Upper

74 100

45 83.7 49.8 149.3



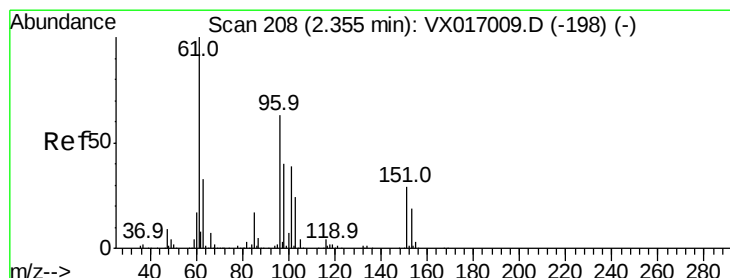
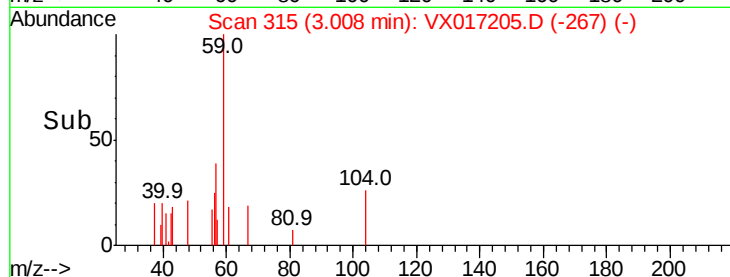
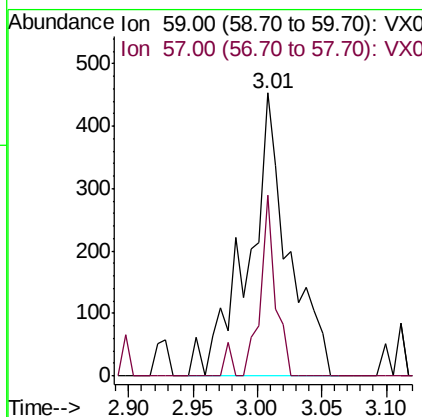
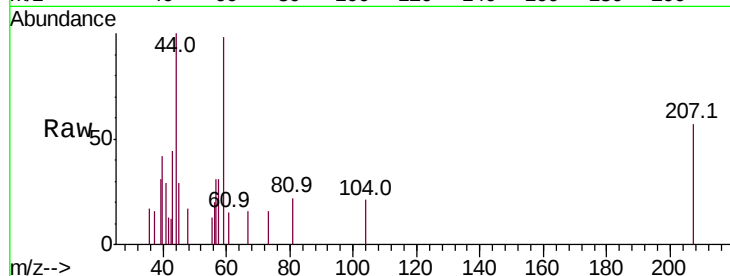


#11

Tert butyl alcohol
 Concen: 1.561 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX017205.D
 Acq: 07 Jul 2020 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 40BR-20200629

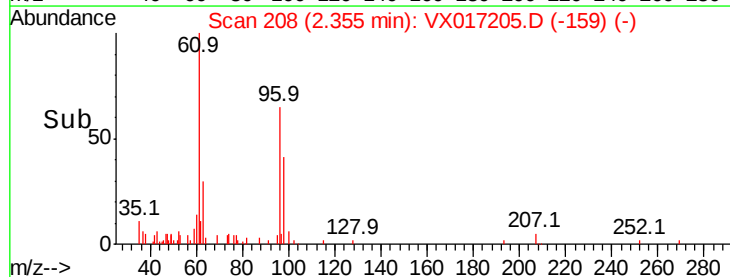
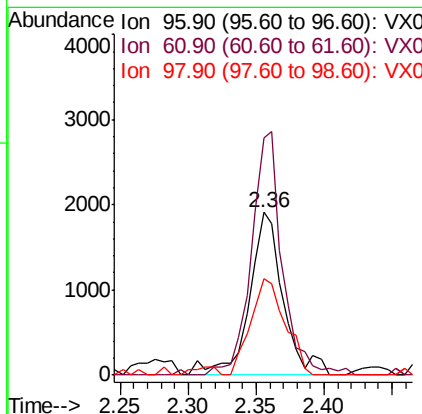
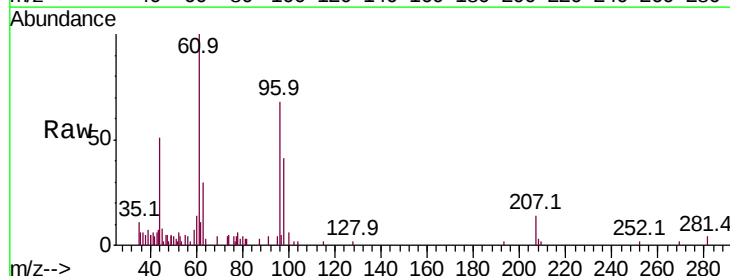
Tot Ion: 59 Resp: 981
 Ion Ratio Lower Upper
 59 100
 57 23.1 8.2 12.2#

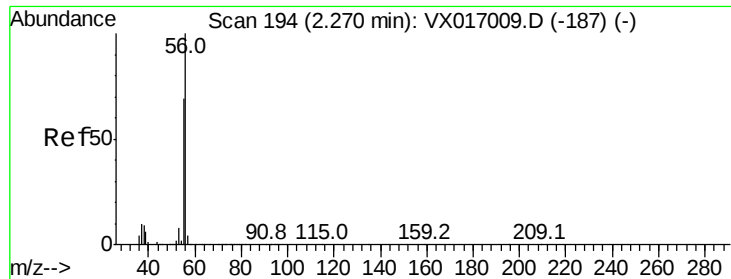


#12

1,1-Dichloroethene
 Concen: 1.263 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX017205.D
 Acq: 07 Jul 2020 15:52

Tgt Ion: 96 Resp: 3338
 Ion Ratio Lower Upper
 96 100
 61 146.1 126.3 189.5
 98 59.4 51.0 76.6

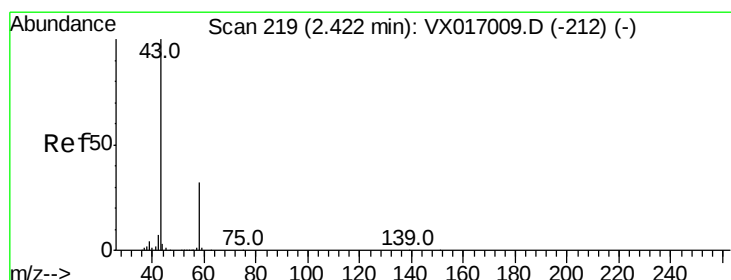
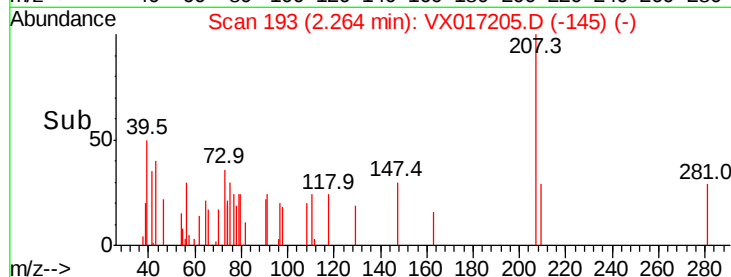
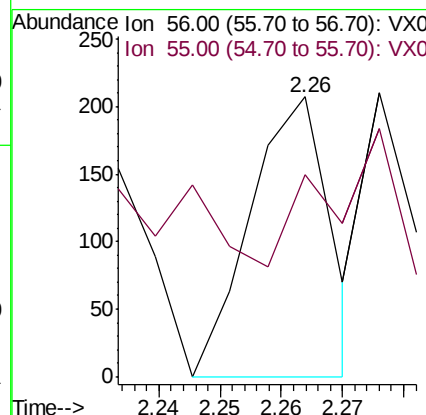
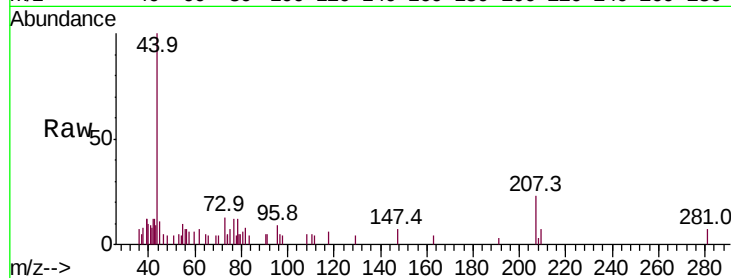




#13
Acrolein
Concen: 0.498 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX017205.D
Acq: 07 Jul 2020 15:52

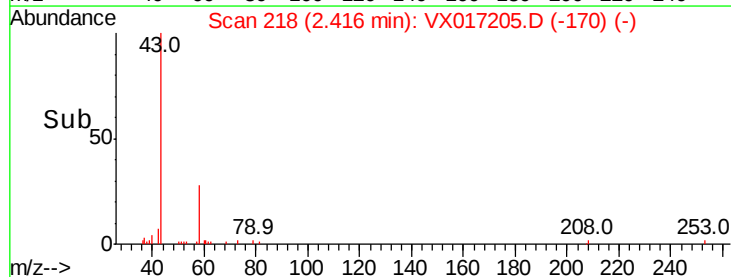
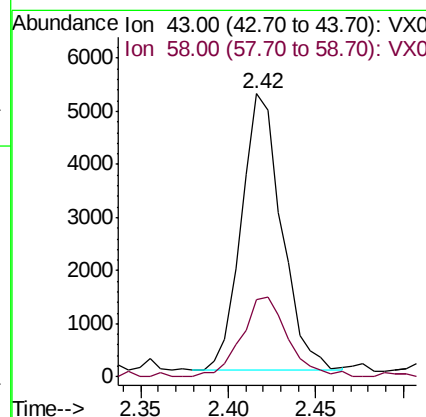
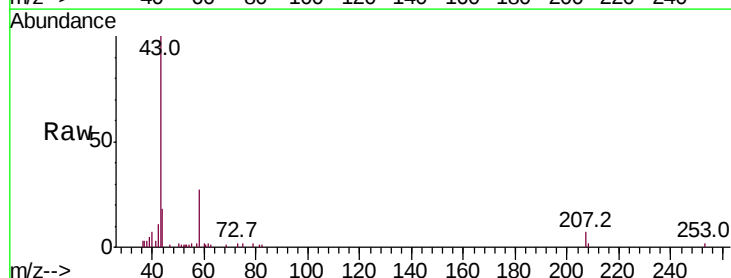
Instrument :
MSVOA_X
ClientSampleId :
40BR-20200629

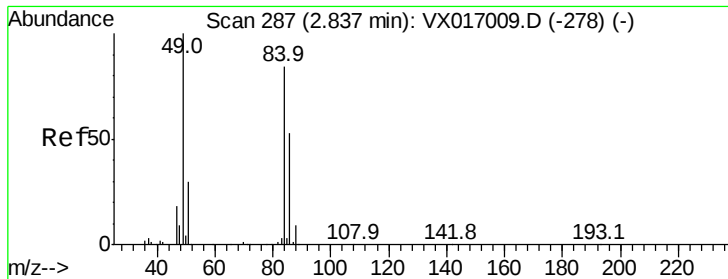
Tot Ion: 56 Resp: 187
Ion Ratio Lower Upper
56 100
55 216.6 55.7 83.5#



#16
Acetone
Concen: 6.743 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017205.D
Acq: 07 Jul 2020 15:52

Tgt Ion: 43 Resp: 8307
Ion Ratio Lower Upper
43 100
58 27.9 25.7 38.5



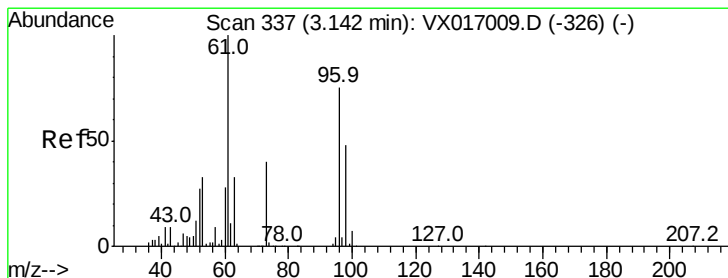
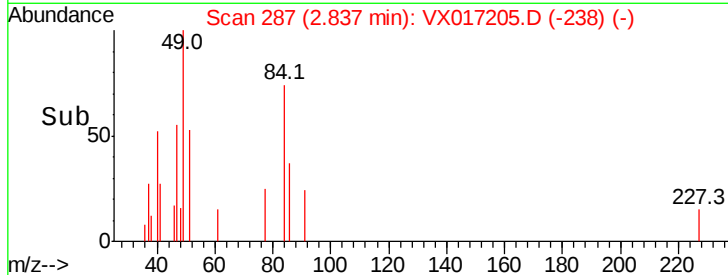
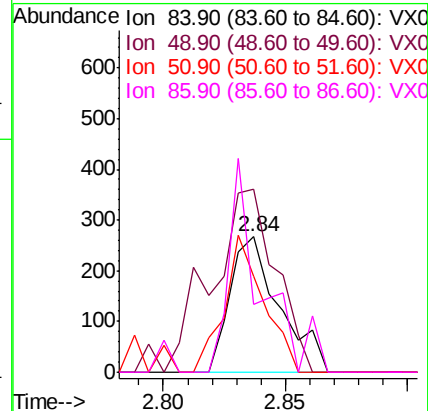
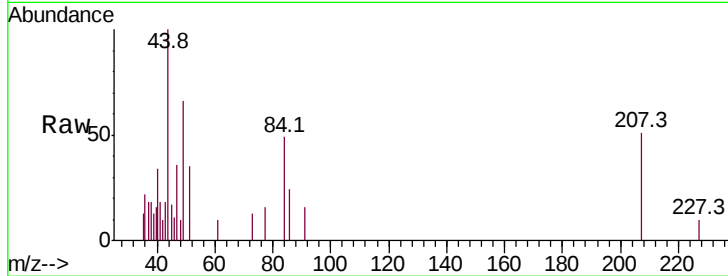


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX017205.D
 Acq: 07 Jul 2020 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 40BR-20200629

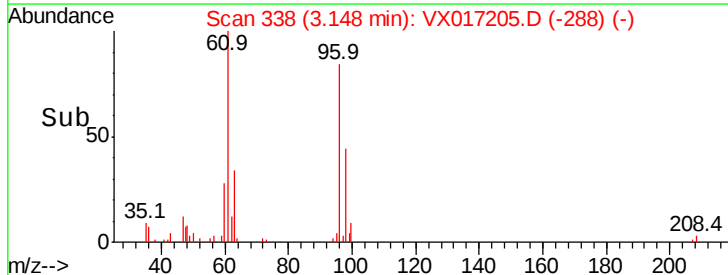
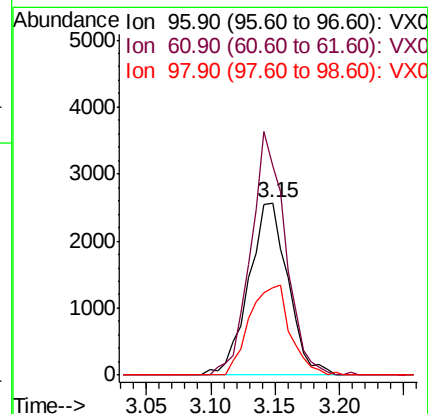
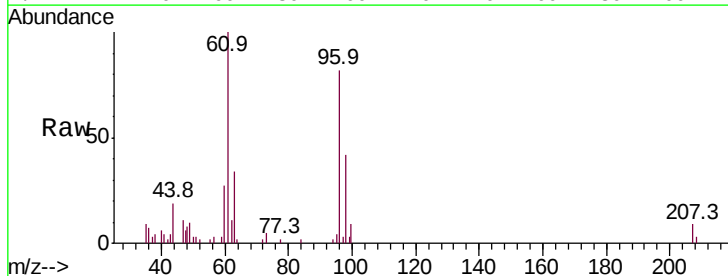
Tot Ion: 84 Resp: 376
 Ion Ratio Lower Upper
 84 100
 49 135.2 94.7 142.1
 51 71.2 28.6 42.8#
 86 50.2 50.5 75.7#

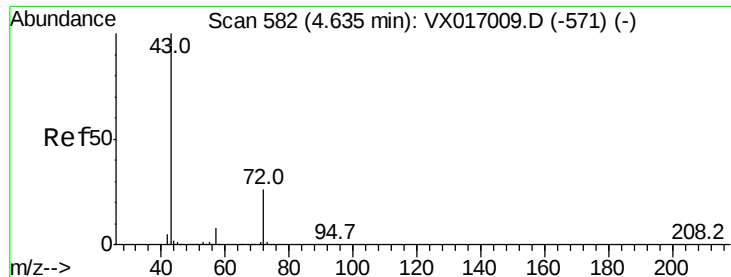


#21

trans-1,2-Dichloroethene
 Concen: 1.845 ug/l
 RT: 3.15 min Scan# 338
 Delta R.T. 0.01 min
 Lab File: VX017205.D
 Acq: 07 Jul 2020 15:52

Tgt Ion: 96 Resp: 5413
 Ion Ratio Lower Upper
 96 100
 61 121.7 107.0 160.6
 98 51.0 51.6 77.4#





#25

2-Butanone

Concen: 1.535 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX017205.D

Acq: 07 Jul 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

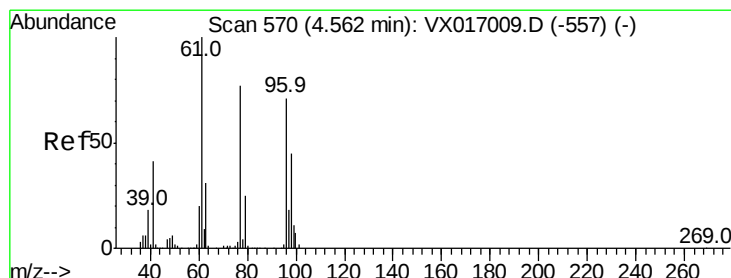
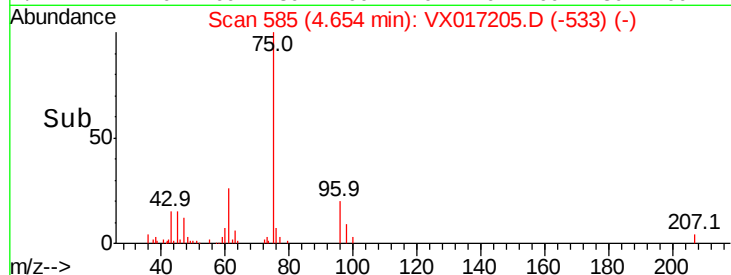
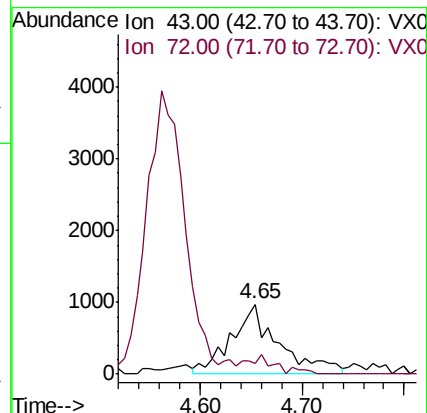
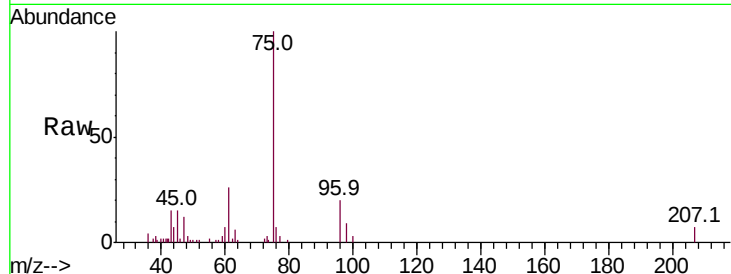
40BR-20200629

Tot Ion: 43 Resp: 3152

Ion Ratio Lower Upper

43 100

72 15.7 20.8 31.2#



#27

cis-1,2-Dichloroethene

Concen: 353.314 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX017205.D

Acq: 07 Jul 2020 15:52

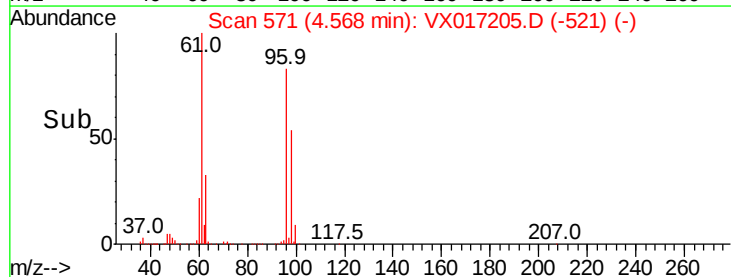
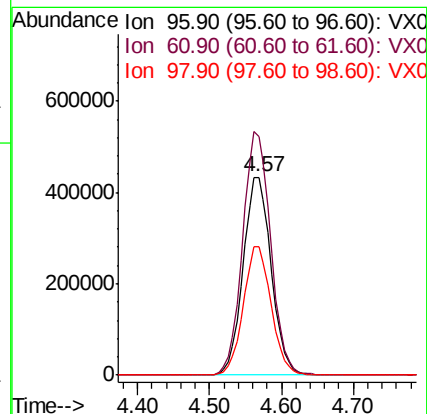
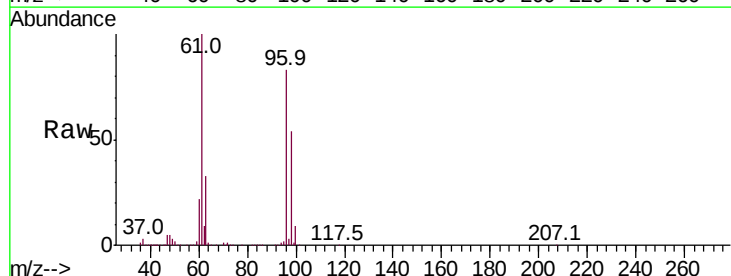
Tgt Ion: 96 Resp: 1174206

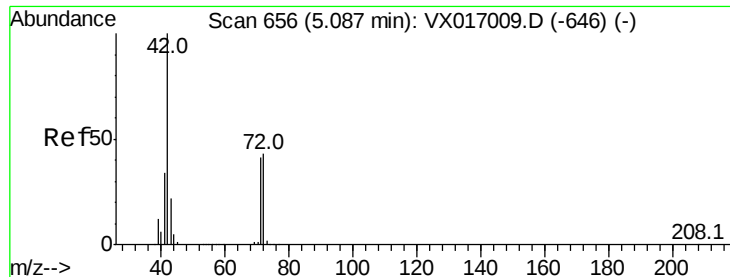
Ion Ratio Lower Upper

96 100

61 123.0 0.0 282.8

98 64.4 0.0 127.6





#29

Tetrahydrofuran

Concen: 0.206 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX017205.D

Acq: 07 Jul 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

40BR-20200629

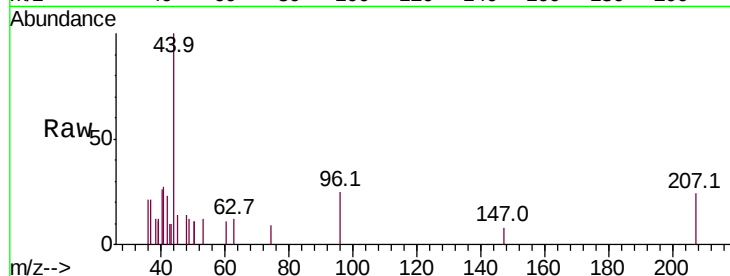
Tot Ion: 42 Resp: 279

Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

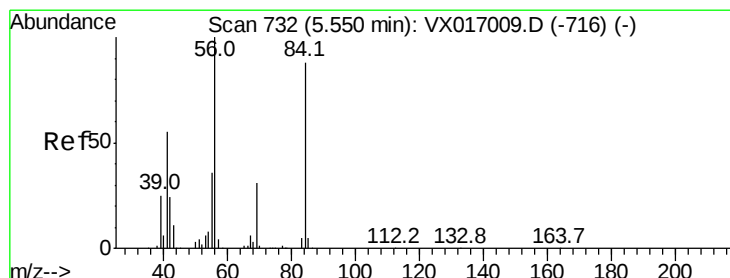
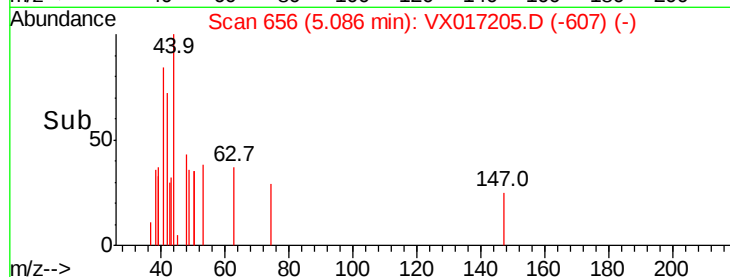
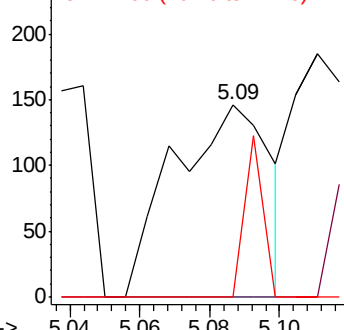
71 16.1 33.1 49.7#



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



#31

Cyclohexane

Concen: 1.154 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX017205.D

Acq: 07 Jul 2020 15:52

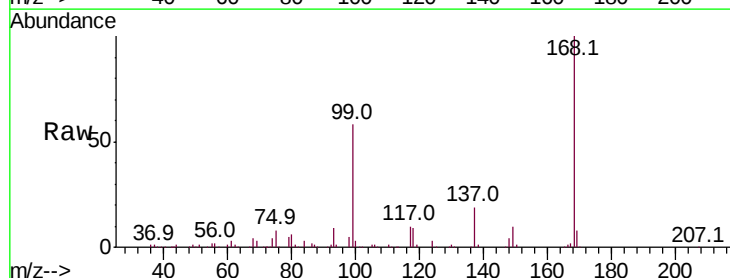
Tgt Ion: 56 Resp: 5130

Ion Ratio Lower Upper

56 100

69 130.3 25.0 37.4#

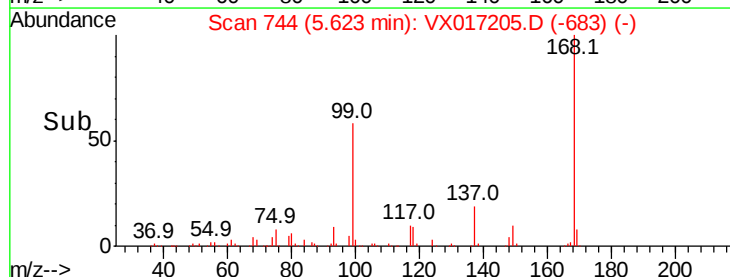
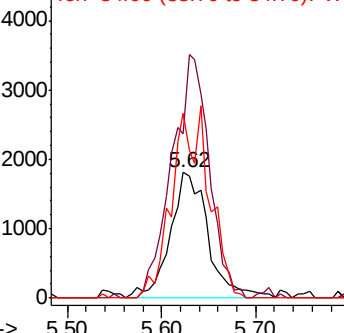
84 146.5 69.1 103.7#

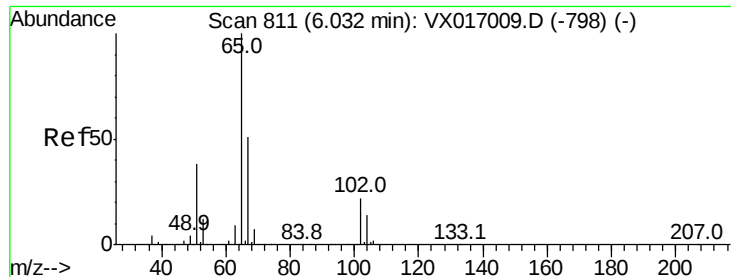


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.291 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017205.D

Acq: 07 Jul 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

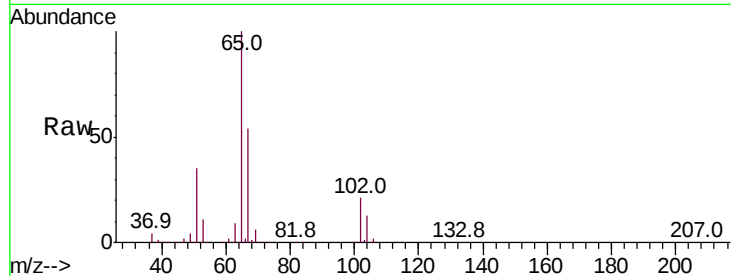
40BR-20200629

Tot Ion: 65 Resp: 168921

Ion Ratio Lower Upper

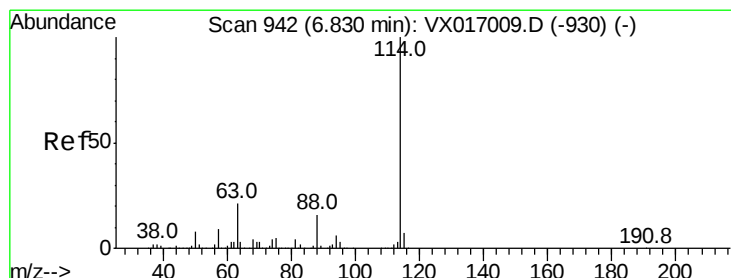
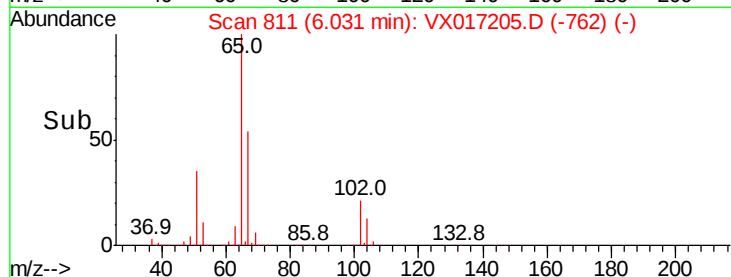
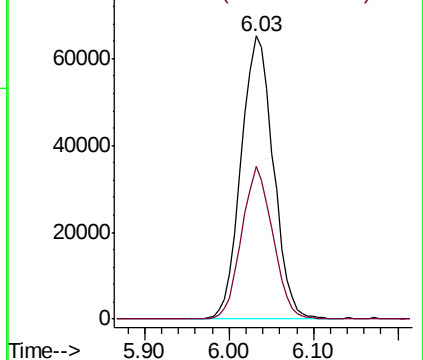
65 100

67 52.2 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: VX017205.D

Acq: 07 Jul 2020 15:52

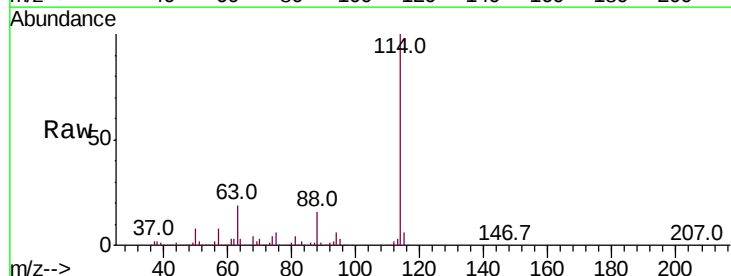
Tgt Ion: 114 Resp: 431908

Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.4

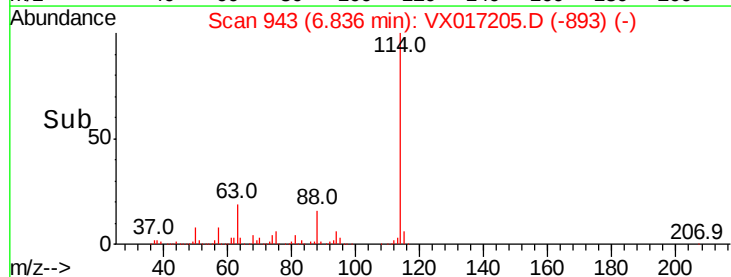
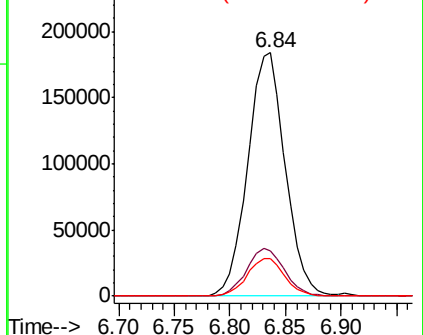
88 15.7 0.0 32.4

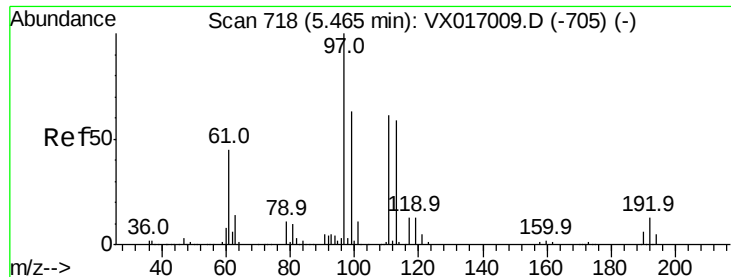


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

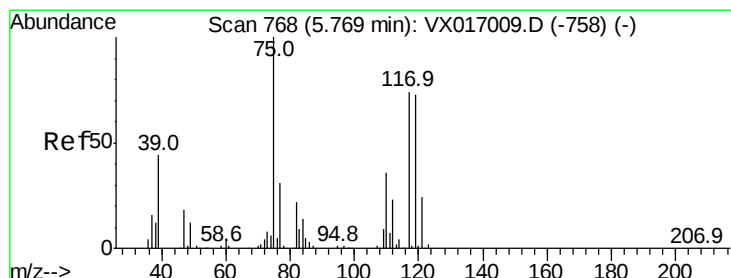
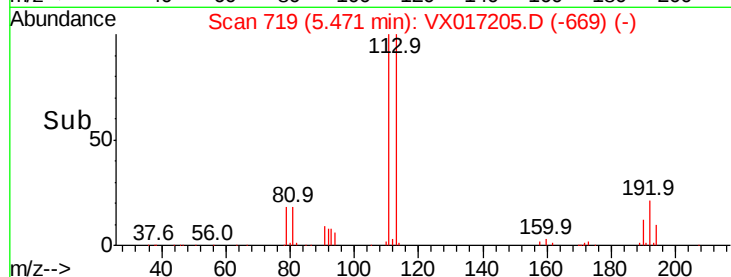
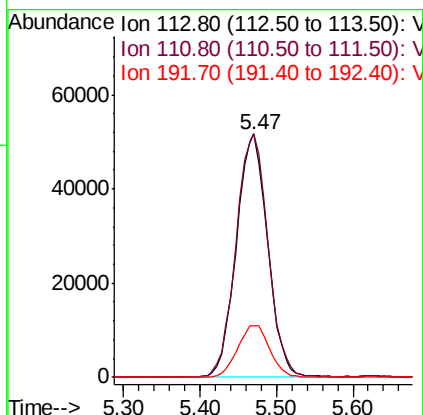
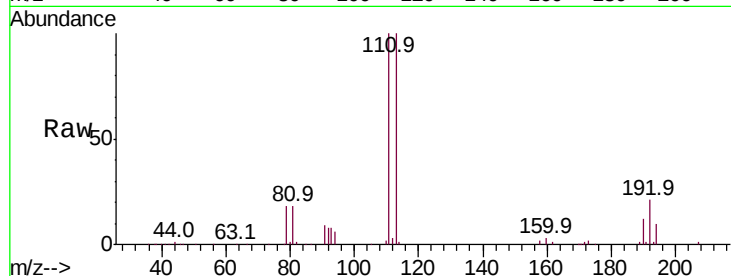




#35
 Dibromofluoromethane
 Concen: 53.785 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017205.D
 Acq: 07 Jul 2020 15:52

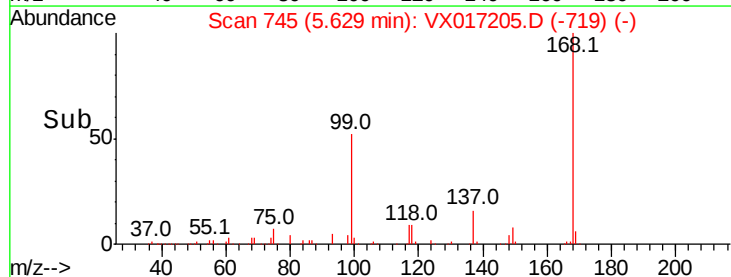
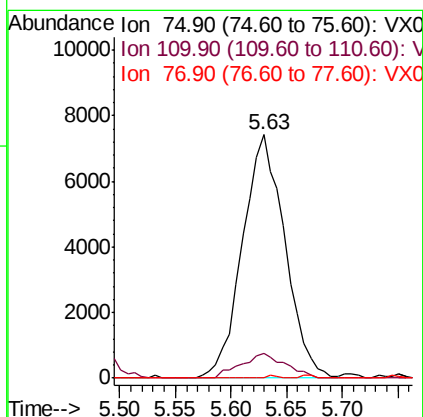
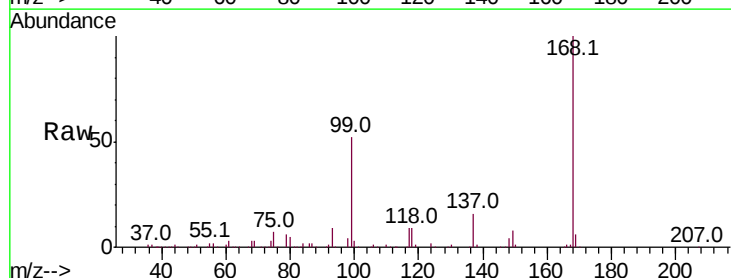
Instrument :
 MSVOA_X
 ClientSampleId :
 40BR-20200629

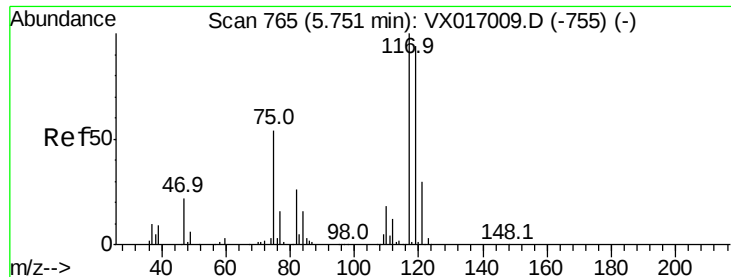
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	21.9	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.820 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017205.D
 Acq: 07 Jul 2020 15:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.1	54.1#
77	0.2	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.709 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017205.D

Acq: 07 Jul 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

40BR-20200629

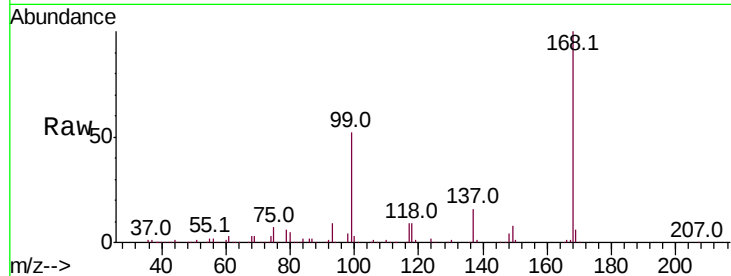
Tot Ion:117 Resp: 25670

Ion Ratio Lower Upper

117 100

119 7.7 75.4 113.0#

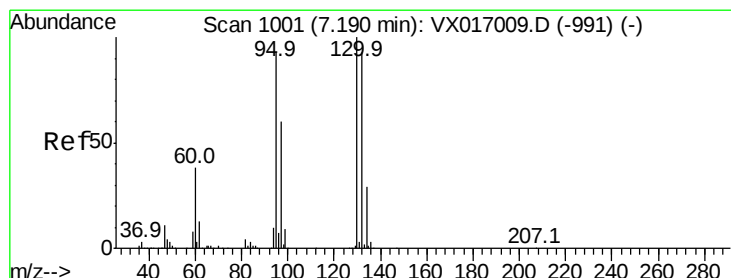
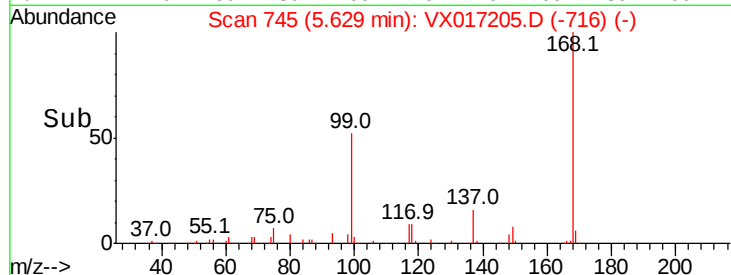
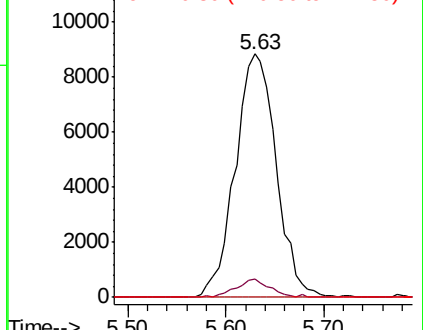
121 0.0 23.8 35.6#



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: 7.198 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017205.D

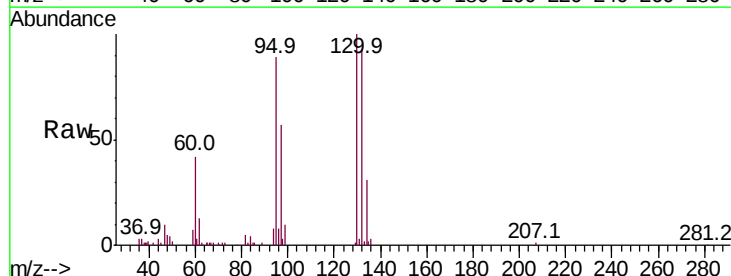
Acq: 07 Jul 2020 15:52

Tgt Ion:130 Resp: 24701

Ion Ratio Lower Upper

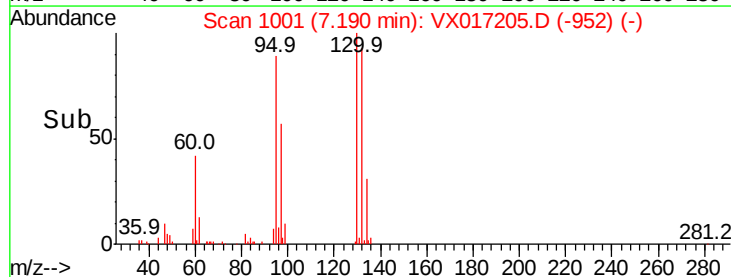
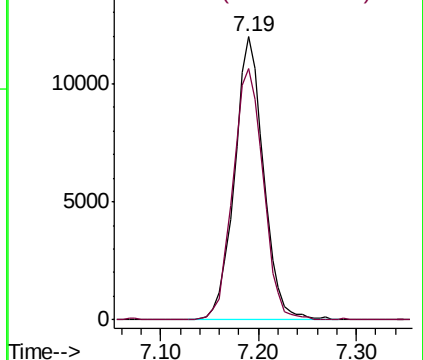
130 100

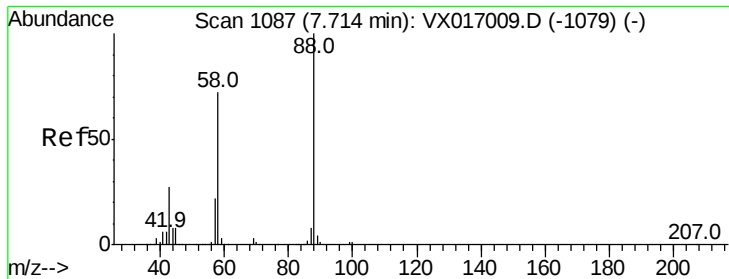
95 89.0 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 0.297 ug/l

RT: 7.89 min Scan# 1116

Delta R.T. 0.18 min

Lab File: VX017205.D

Acq: 07 Jul 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

40BR-20200629

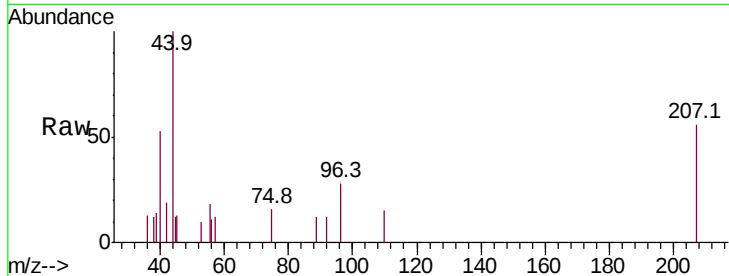
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 381.8 25.8 38.8#

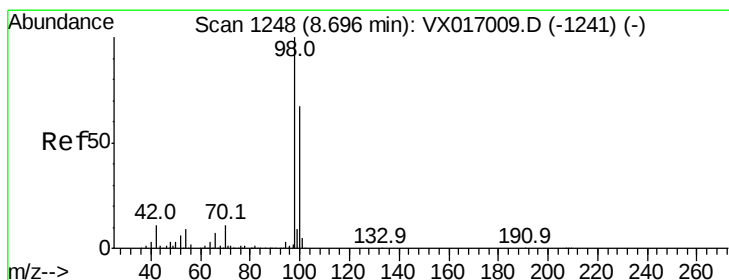
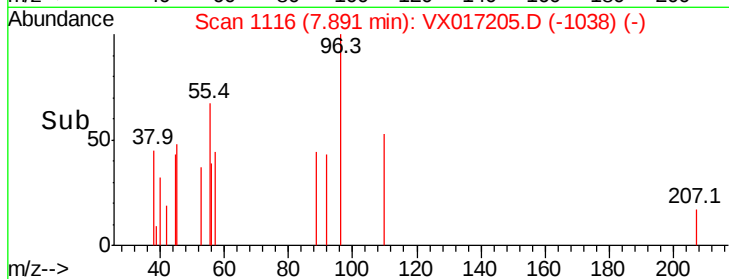
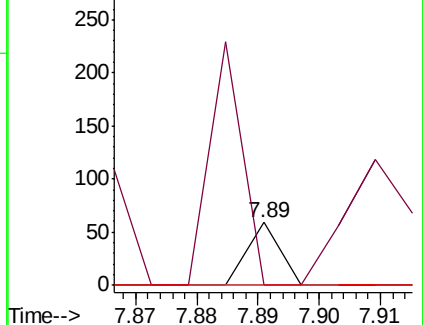
58 0.0 54.8 82.2#



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



#50

Toluene-d8

Concen: 52.087 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017205.D

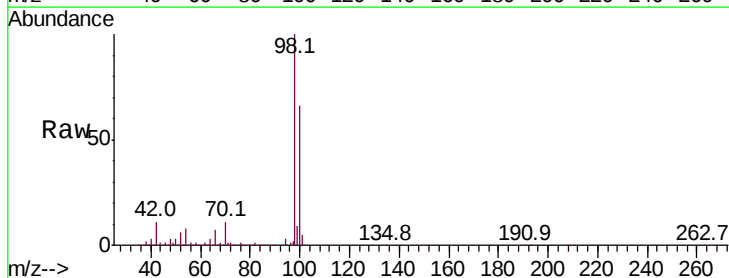
Acq: 07 Jul 2020 15:52

Tgt Ion: 98 Resp: 526225

Ion Ratio Lower Upper

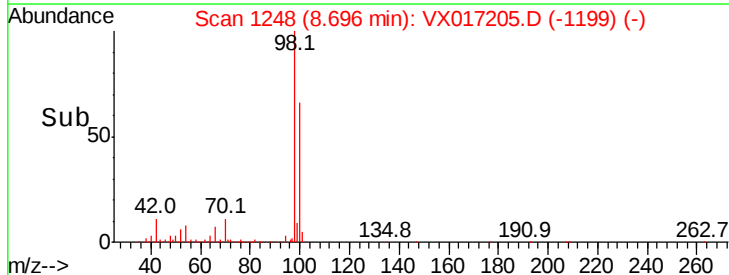
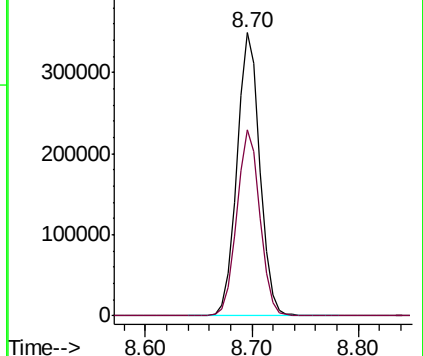
98 100

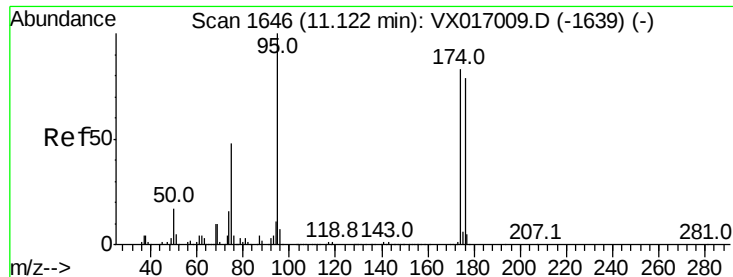
100 66.3 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

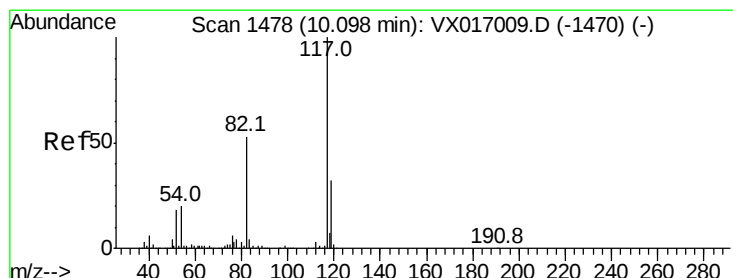
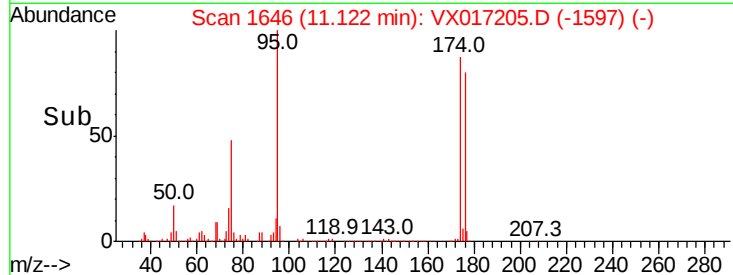
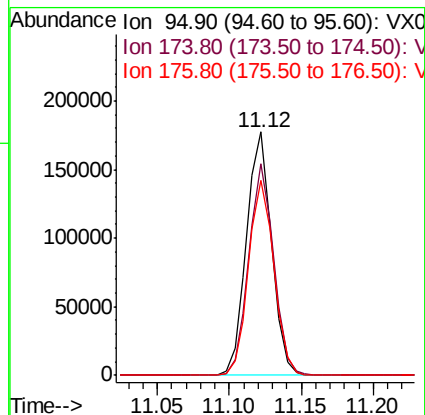
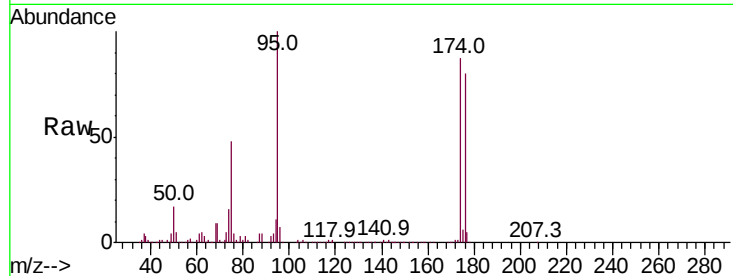




#62
4-Bromofluorobenzene
Concen: 53.978 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017205.D
Acq: 07 Jul 2020 15:52

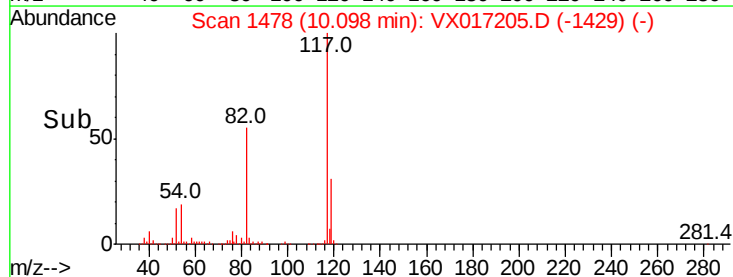
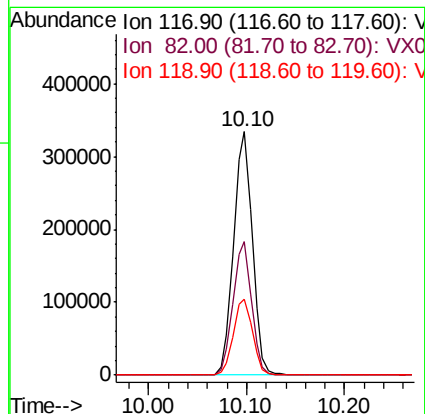
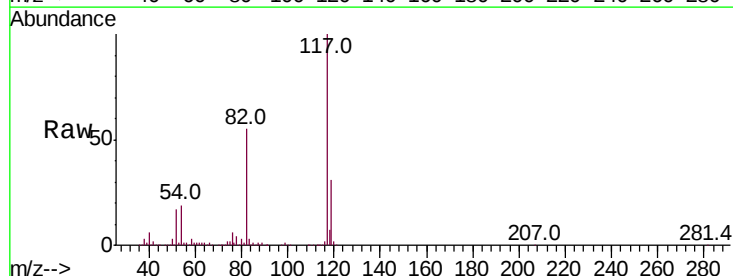
Instrument :
MSVOA_X
ClientSampleId :
40BR-20200629

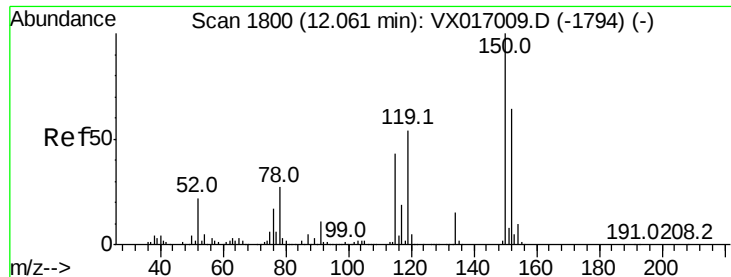
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	164.0
176	80.9	0.0	157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017205.D
Acq: 07 Jul 2020 15:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.6	63.8
119	31.4	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: VX017205.D

Acq: 07 Jul 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

40BR-20200629

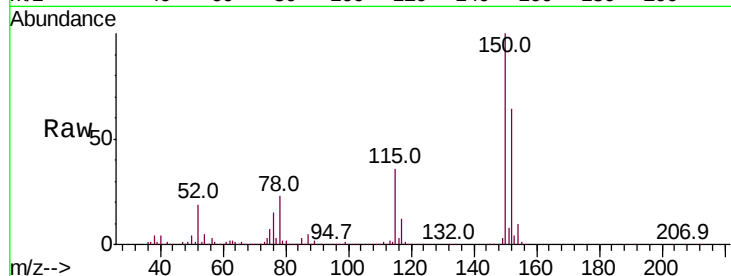
Tot Ion:152 Resp: 237956

Ion Ratio Lower Upper

152 100

115 58.4 40.9 122.7

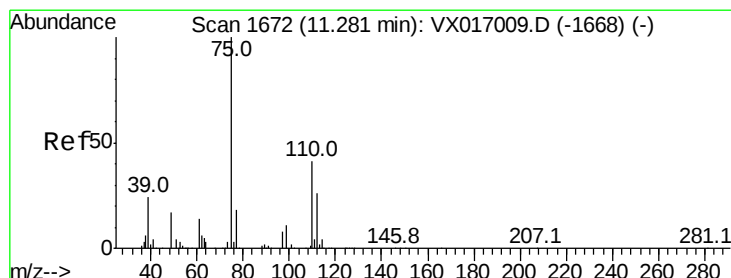
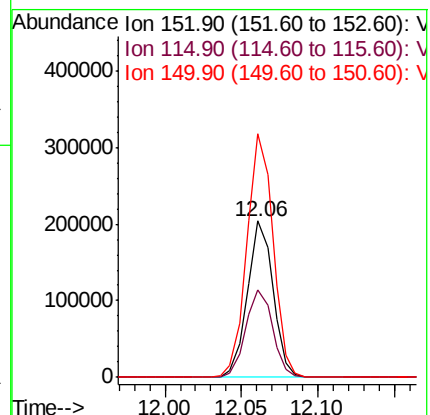
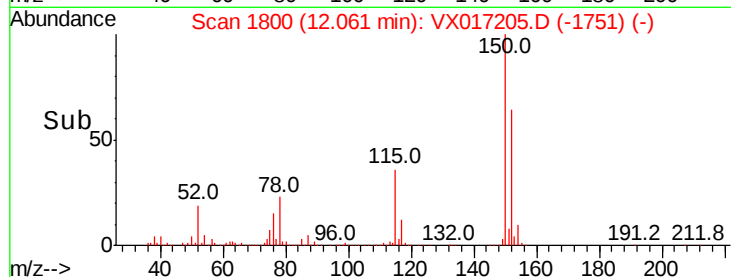
150 158.5 0.0 351.6



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: 22.767 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017205.D

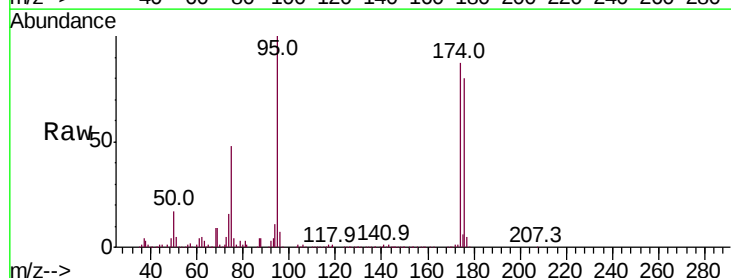
Acq: 07 Jul 2020 15:52

Tgt Ion: 75 Resp: 106531

Ion Ratio Lower Upper

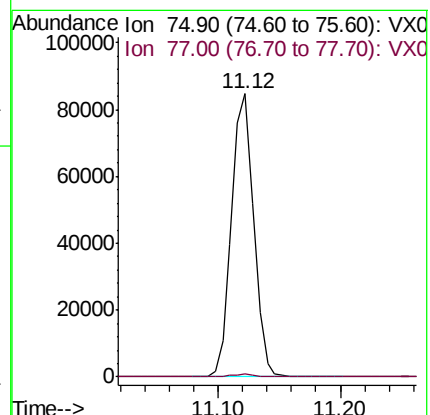
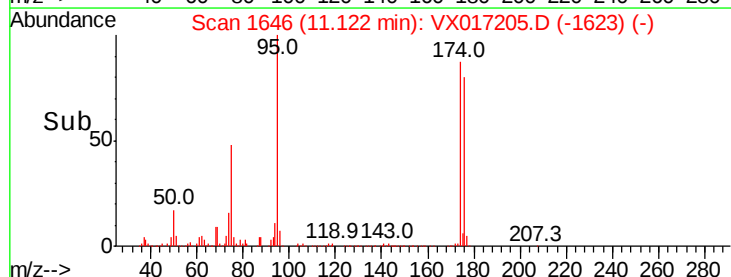
75 100

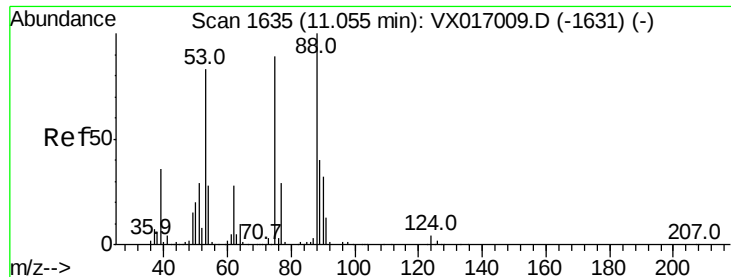
77 1.2 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

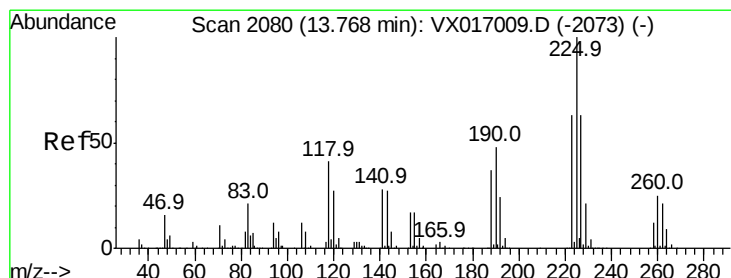
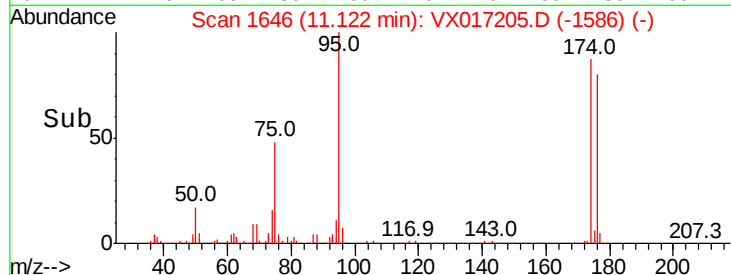
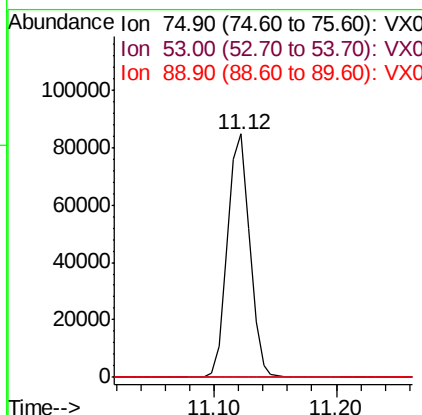
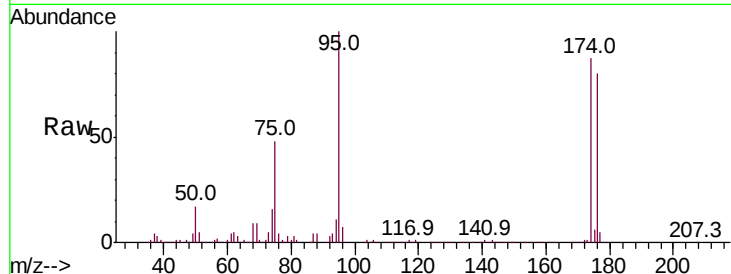




#81
trans-1,4-Dichloro-2-butene
Concen: 58.957 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX017205.D
Acq: 07 Jul 2020 15:52

Instrument :
MSVOA_X
ClientSampleId :
40BR-20200629

Tot Ion: 75 Resp: 106531
Ion Ratio Lower Upper
75 100
53 0.3 72.4 108.6#
89 0.1 37.0 55.4#



#94
Hexachlorobutadiene
Concen: 0.859 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX017205.D
Acq: 07 Jul 2020 15:52

Tgt Ion: 225 Resp: 28
Ion Ratio Lower Upper
225 100
223 0.0 32.5 97.5#
227 0.0 33.1 99.2#

