

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\
 Data File : VX017026.D
 Acq On : 29 Jun 2020 22:42
 Operator : JC/SP
 Sample : L3147-01 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 02BR-20200626

Quant Time: Jun 30 05:33:58 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	232445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	395418	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	421012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	228497	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	148729	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
35) Dibromofluoromethane	5.46	113	126497	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
50) Toluene-d8	8.70	98	490281	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
62) 4-Bromofluorobenzene	11.12	95	219334	60.66	ug/l	0.00
Spiked Amount			Recovery	=	121.32%	

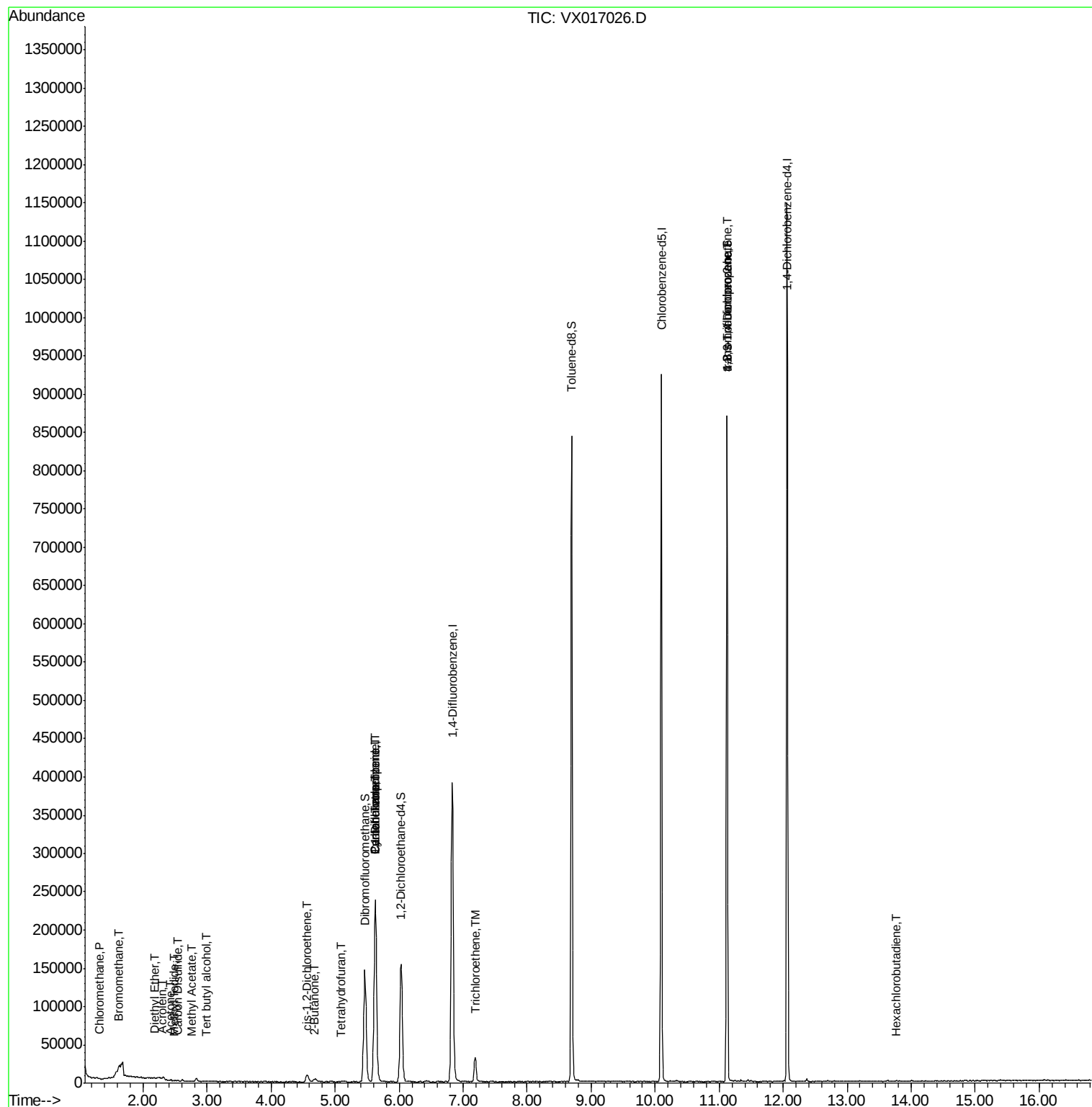
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	572	0.210	ug/l #	1
5) Bromomethane	1.62	94	947	0.710	ug/l #	74
8) Diethyl Ether	2.18	74	26	0.386	ug/l #	1
10) Methyl Iodide	2.49	142	1006	0.348	ug/l #	90
11) Tert butyl alcohol	2.99	59	125	0.229	ug/l #	73
13) Acrolein	2.29	56	241	0.737	ug/l #	46
16) Acetone	2.42	43	1024	0.955	ug/l #	79
17) Carbon Disulfide	2.55	76	1146	0.201	ug/l #	88
18) Methyl Acetate	2.75	43	773	0.276	ug/l #	97
20) Methylene Chloride	2.83	84	1673	Below Cal	#	83
25) 2-Butanone	4.67	43	505	0.283	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	6041	2.089	ug/l	86
29) Tetrahydrofuran	5.09	42	322	0.273	ug/l #	38
31) Cyclohexane	5.63	56	4885	1.263	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17538	4.693	ug/l #	51
38) Carbon Tetrachloride	5.63	117	22076	5.363	ug/l #	17
44) Trichloroethene	7.19	130	12919	3.979	ug/l	89
76) 1,2,3-Trichloropropane	11.12	75	108790	24.212	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	108790	62.700	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	433	Below Cal		80
94) Hexachlorobutadiene	13.77	225	111	0.905	ug/l #	17

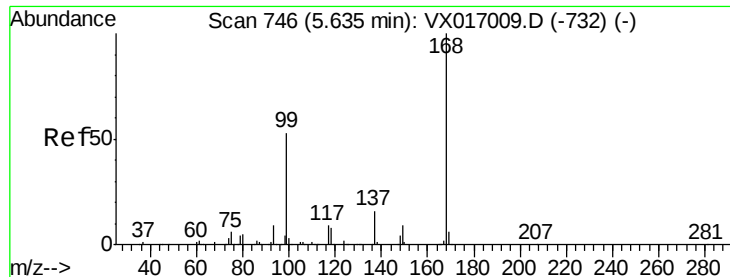
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
02BR-20200626

Quant Time: Jun 30 05:33:58 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: VX017026.D

Acq: 29 Jun 2020 22:42

Instrument :

MSVOA_X

ClientSampleId :

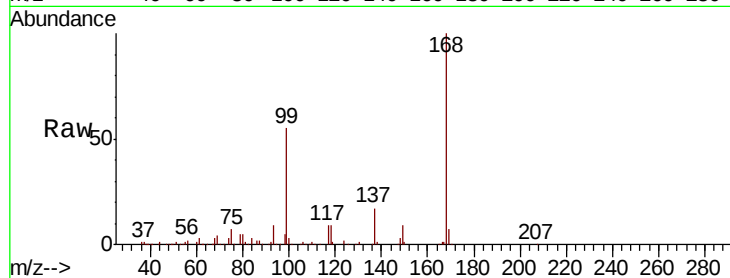
02BR-20200626

Tot Ion:168 Resp: 232445

Ion Ratio Lower Upper

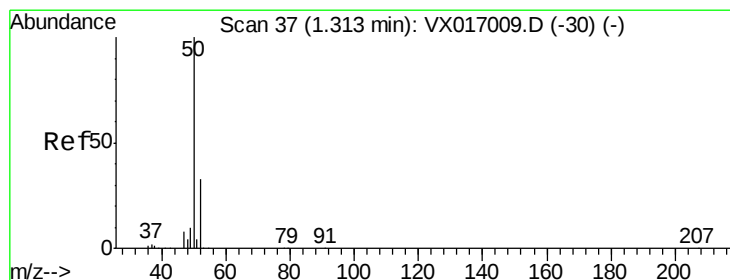
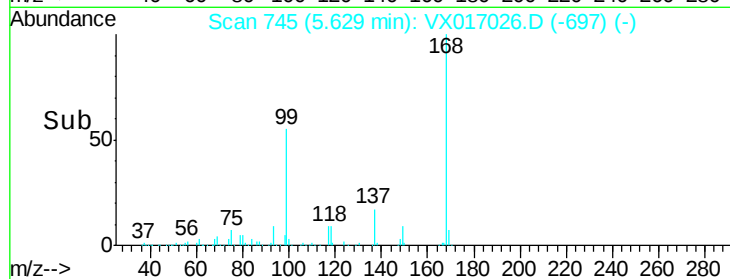
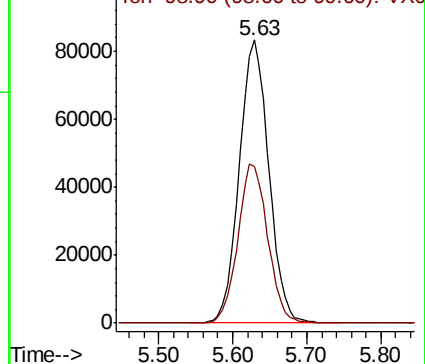
168 100

99 55.2 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017026.D

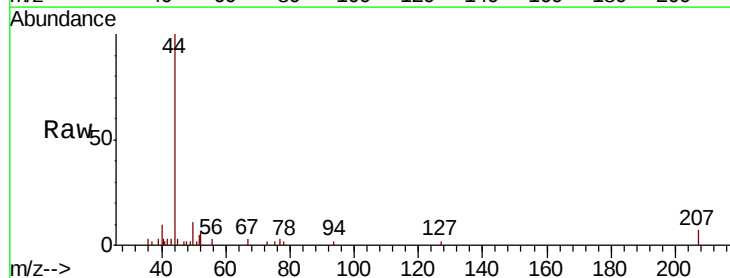
Acq: 29 Jun 2020 22:42

Tgt Ion: 50 Resp: 572

Ion Ratio Lower Upper

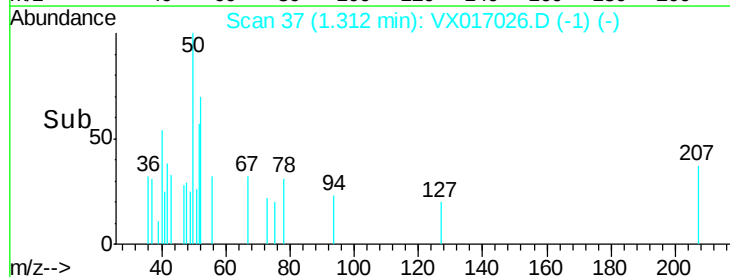
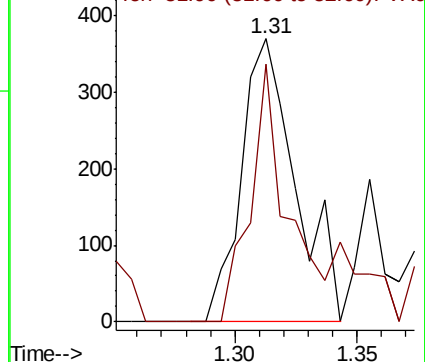
50 100

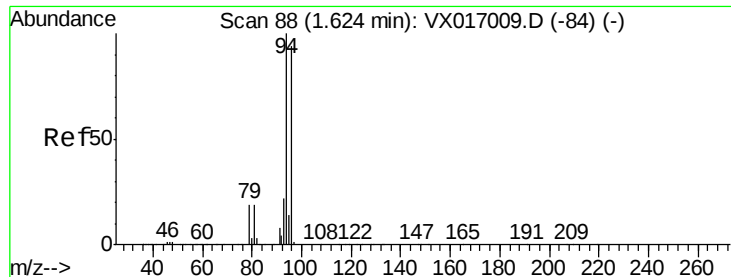
52 91.3 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.710 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

Instrument :

MSVOA_X

ClientSampleId :

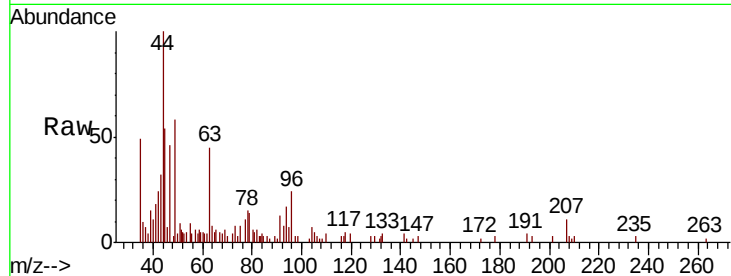
02BR-20200626

Tot Ion: 94 Resp: 947

Ion Ratio Lower Upper

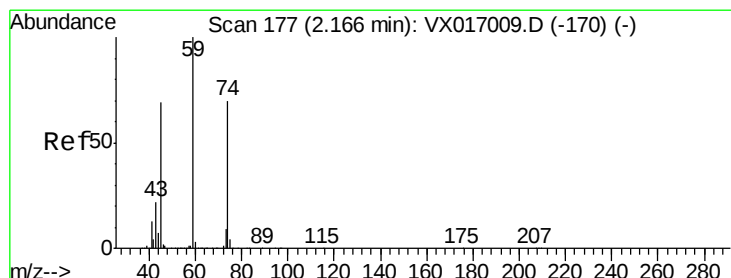
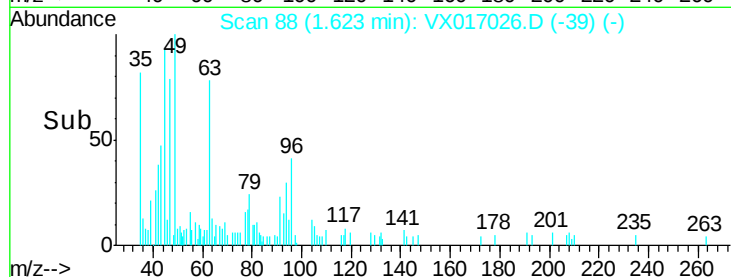
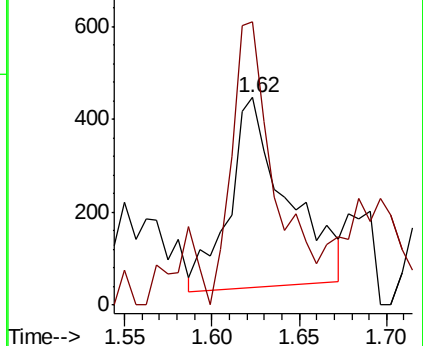
94 100

96 118.8 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: 0.386 ug/l

RT: 2.18 min Scan# 180

Delta R.T. 0.02 min

Lab File: VX017026.D

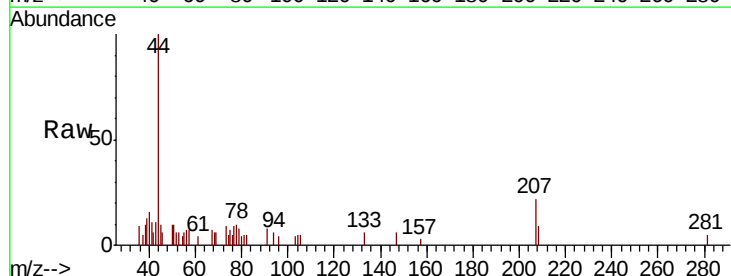
Acq: 29 Jun 2020 22:42

Tgt Ion: 74 Resp: 26

Ion Ratio Lower Upper

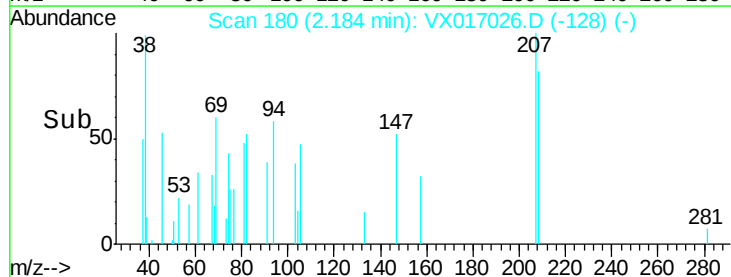
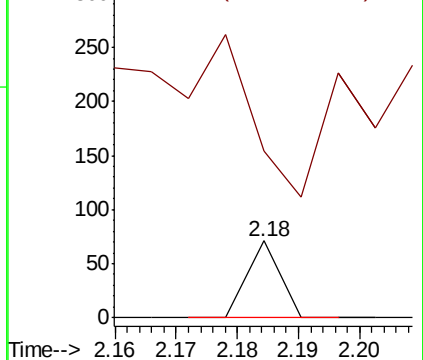
74 100

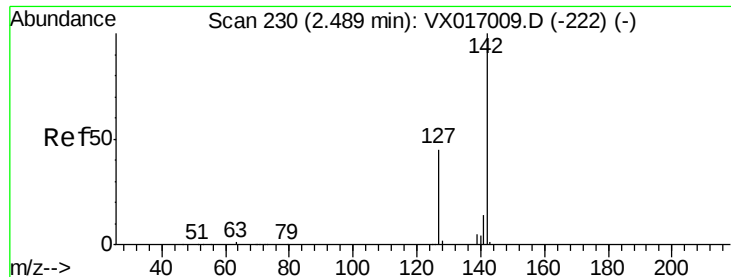
45 896.2 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

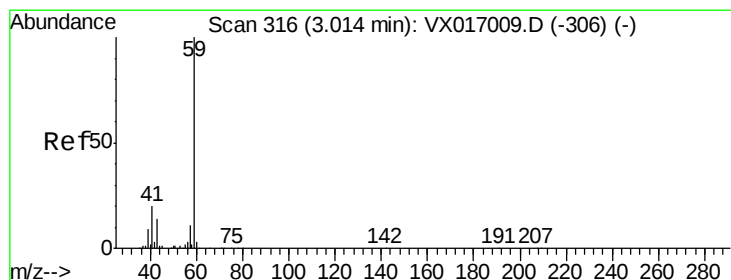
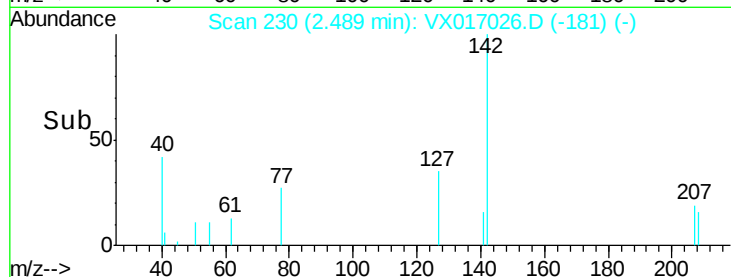
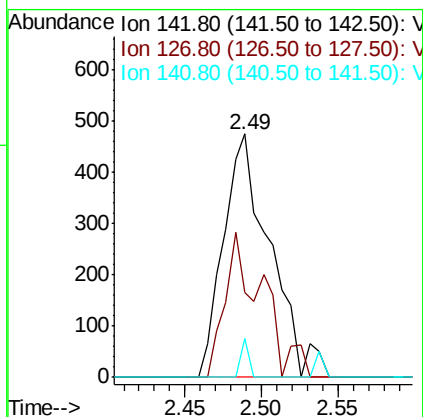
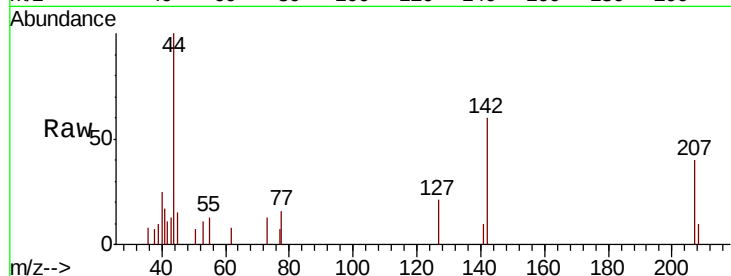




#10
Methvl Iodide
Concen: 0.348 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.00 min
Lab File: VX017026.D
Acq: 29 Jun 2020 22:42

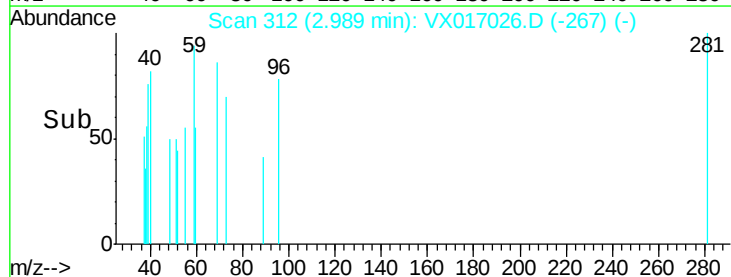
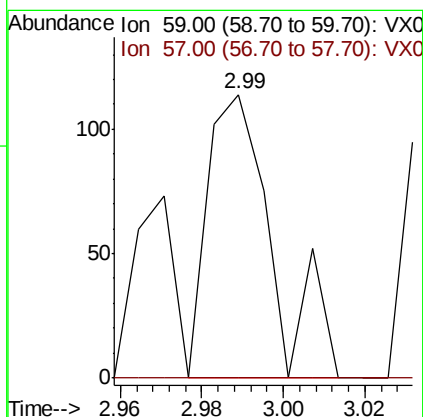
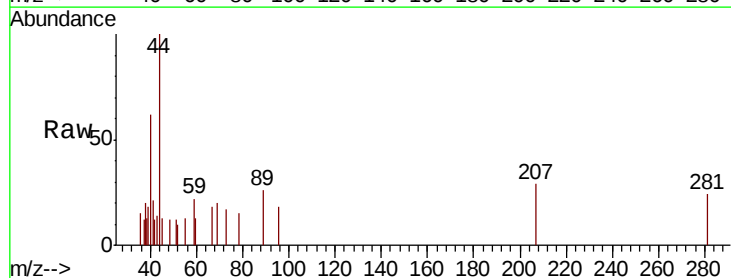
Instrument :
MSVOA_X
ClientSampleId :
02BR-20200626

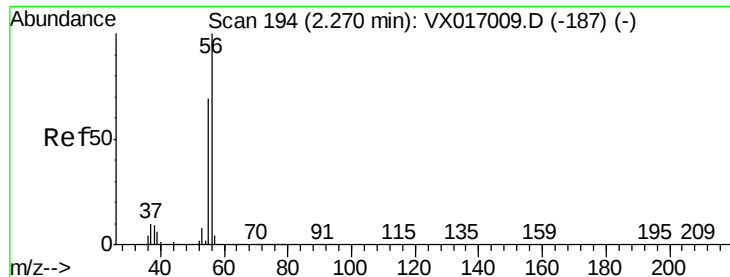
Tot Ion:142 Resp: 1006
Ion Ratio Lower Upper
142 100
127 48.2 36.6 54.8
141 2.8 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.229 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX017026.D
Acq: 29 Jun 2020 22:42

Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.737 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.02 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

Instrument :

MSVOA_X

ClientSampleId :

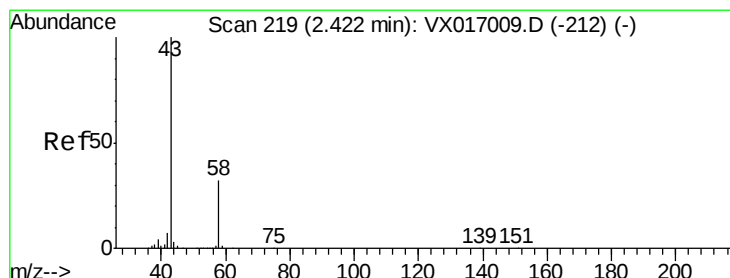
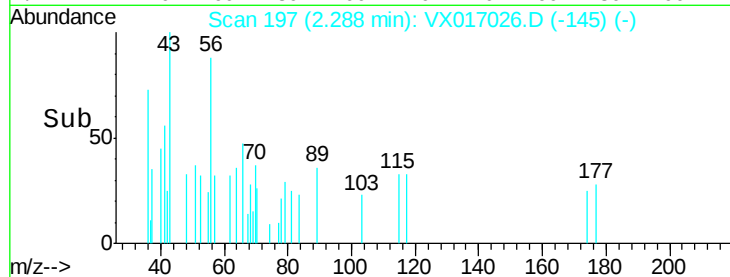
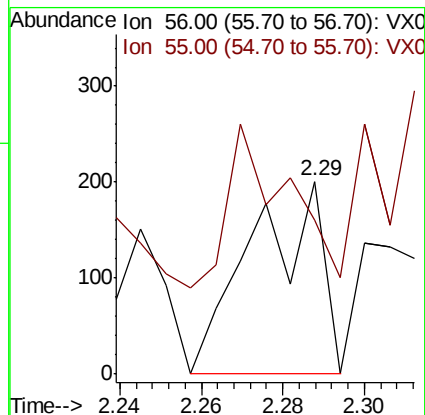
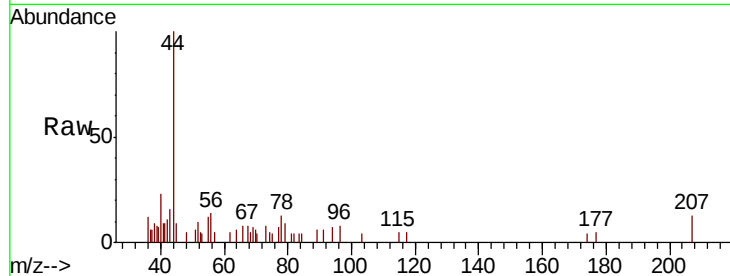
02BR-20200626

Tot Ion: 56 Resp: 241

Ion Ratio Lower Upper

56 100

55 113.7 55.7 83.5#



#16

Acetone

Concen: 0.955 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017026.D

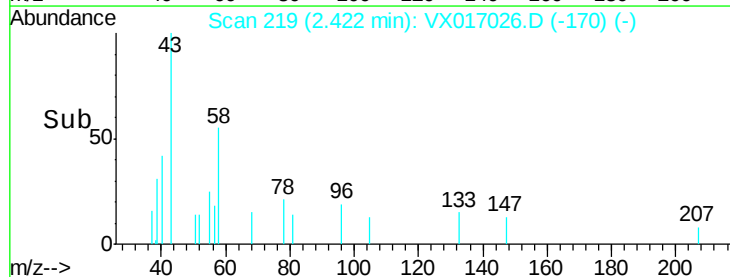
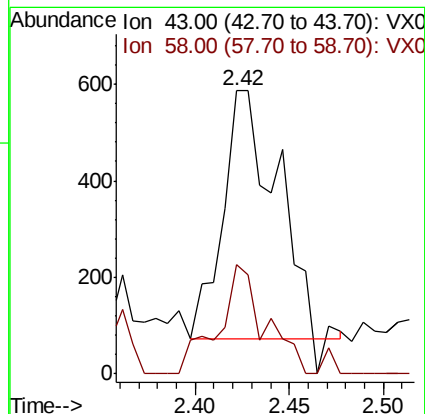
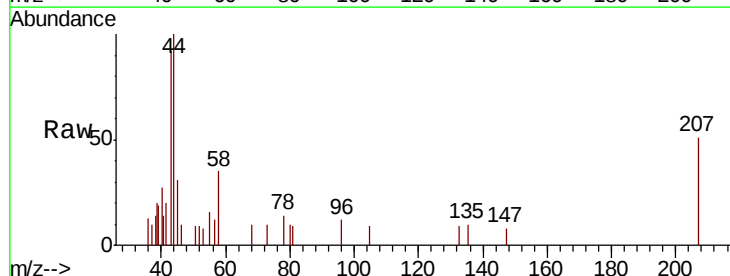
Acq: 29 Jun 2020 22:42

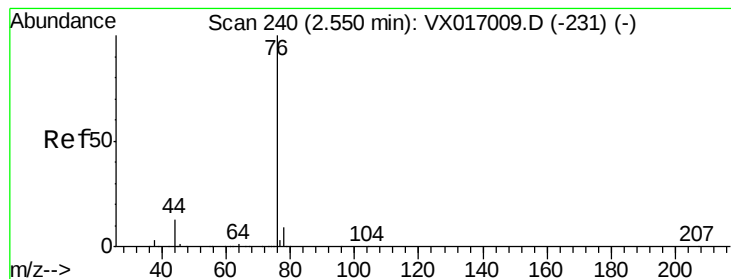
Tgt Ion: 43 Resp: 1024

Ion Ratio Lower Upper

43 100

58 44.0 25.7 38.5#





#17

Carbon Disulfide

Concen: 0.201 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

Instrument :

MSVOA_X

ClientSampleId :

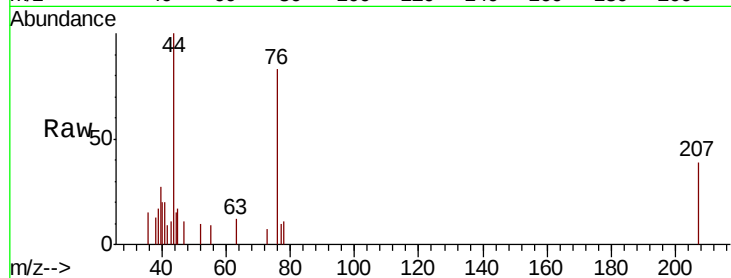
02BR-20200626

Tot Ion: 76 Resp: 1146

Ion Ratio Lower Upper

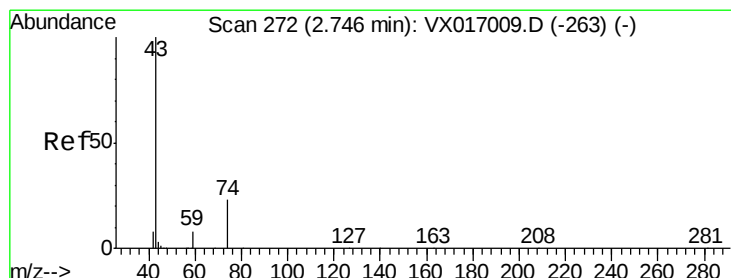
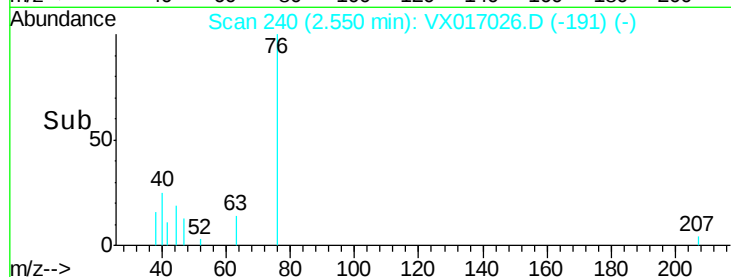
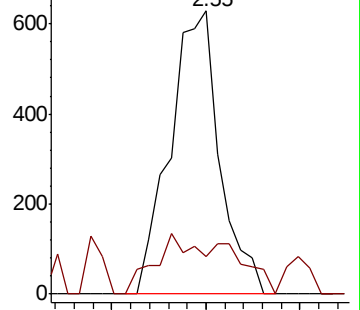
76 100

78 13.2 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.276 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017026.D

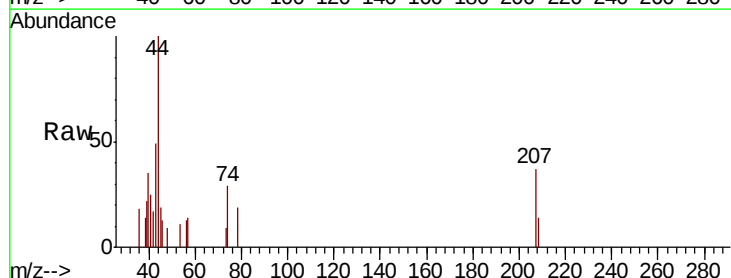
Acq: 29 Jun 2020 22:42

Tgt Ion: 43 Resp: 773

Ion Ratio Lower Upper

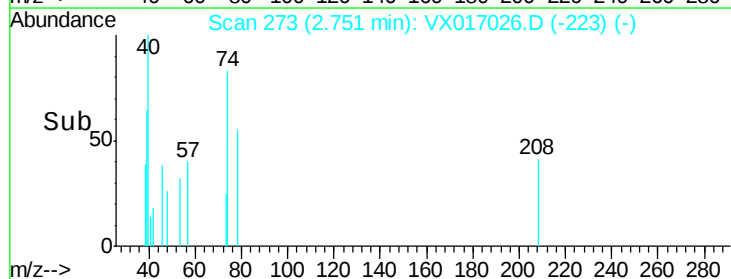
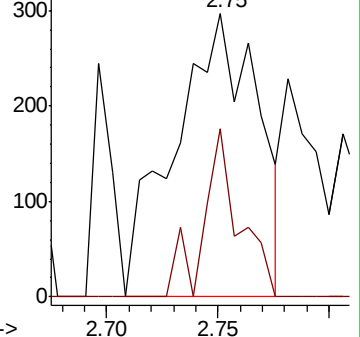
43 100

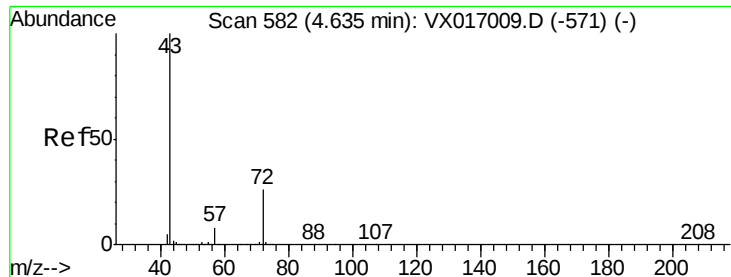
74 25.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.283 ug/l

RT: 4.67 min Scan# 587

Delta R.T. 0.03 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

Instrument :

MSVOA_X

ClientSampleId :

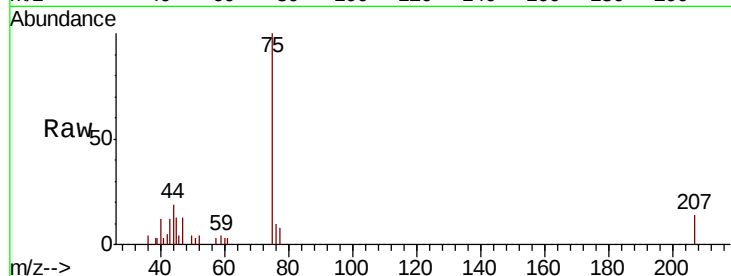
02BR-20200626

Tot Ion: 43 Resp: 505

Ion Ratio Lower Upper

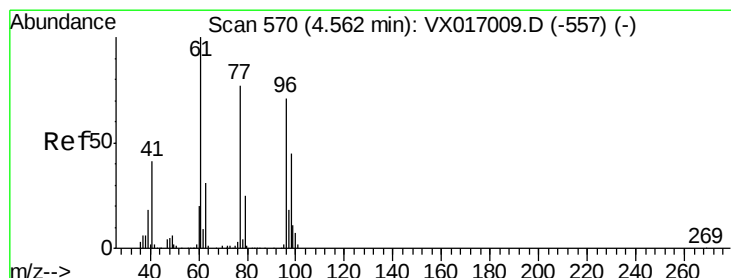
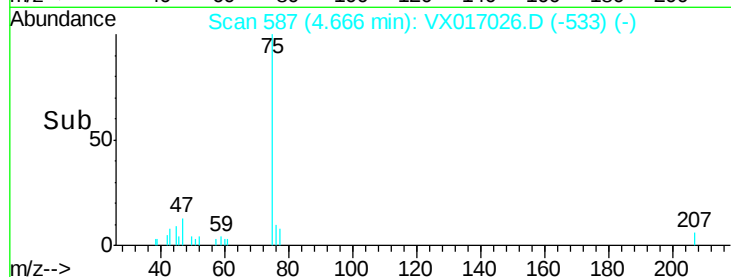
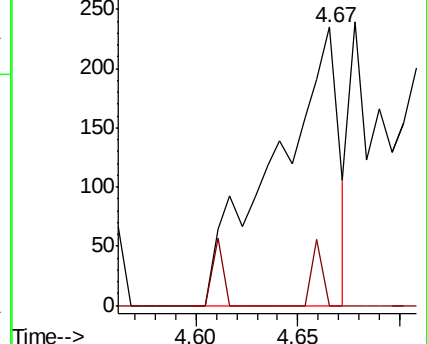
43 100

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



#27

cis-1,2-Dichloroethene

Concen: 2.089 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

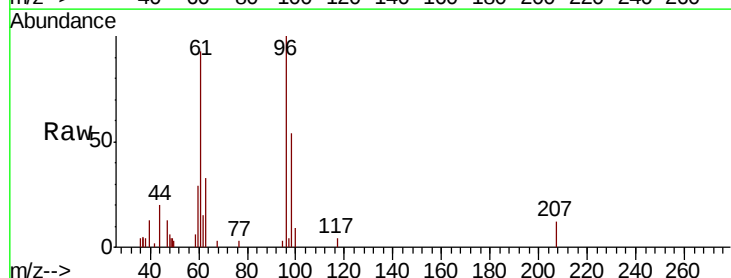
Tgt Ion: 96 Resp: 6041

Ion Ratio Lower Upper

96 100

61 117.1 0.0 282.8

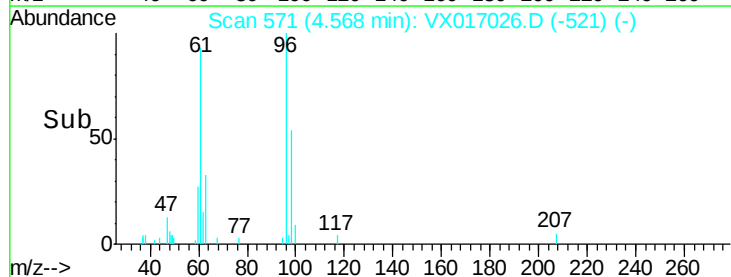
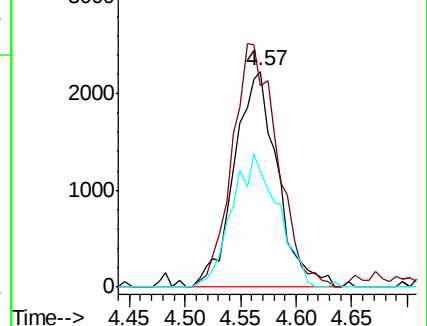
98 65.8 0.0 127.6

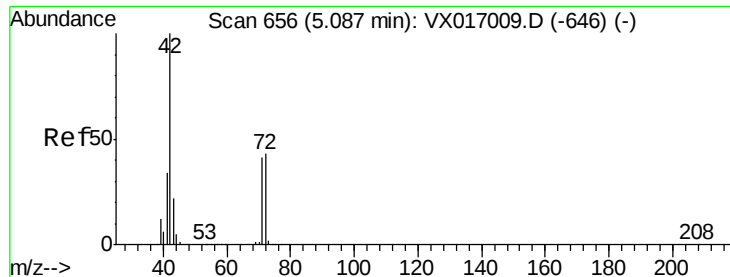


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 0.273 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

Instrument :

MSVOA_X

ClientSampleId :

02BR-20200626

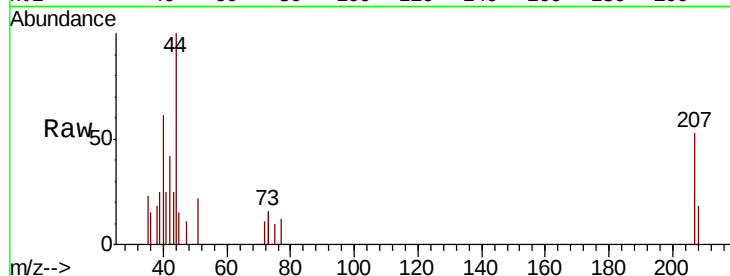
Tot Ion: 42 Resp: 322

Ion Ratio Lower Upper

42 100

72 6.8 35.3 52.9#

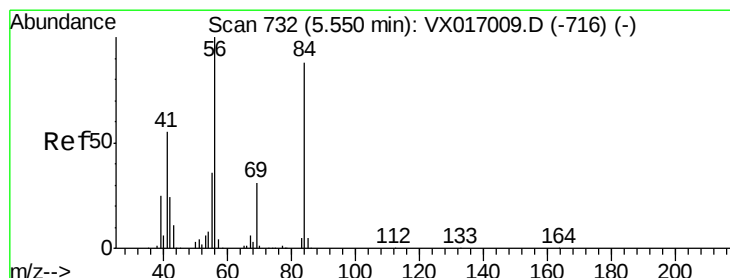
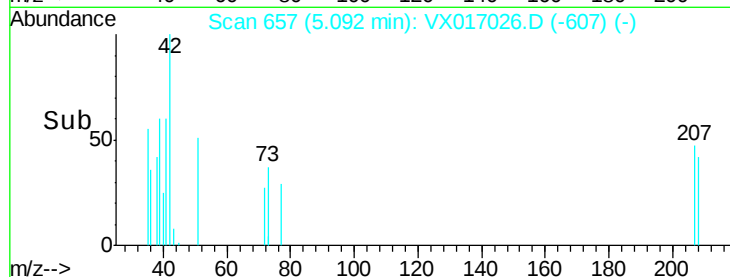
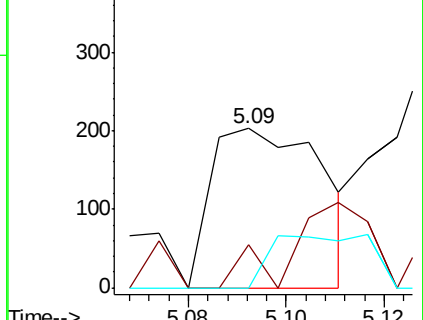
71 0.0 33.1 49.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.263 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

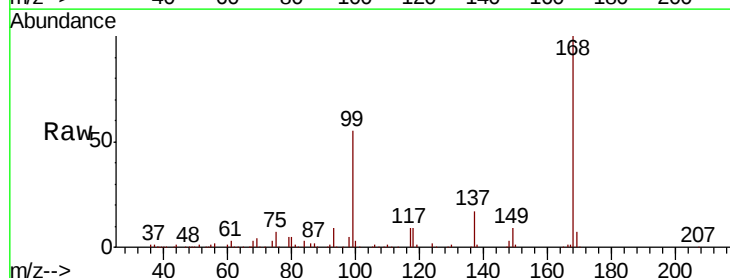
Tgt Ion: 56 Resp: 4885

Ion Ratio Lower Upper

56 100

69 178.8 25.0 37.4#

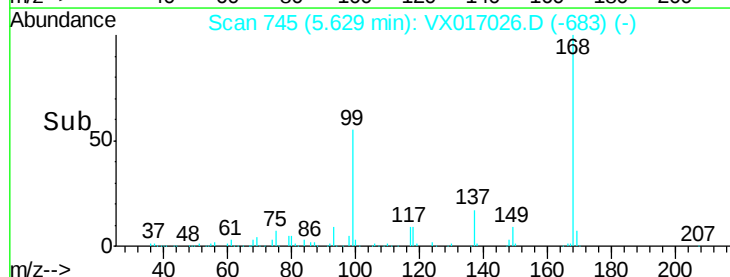
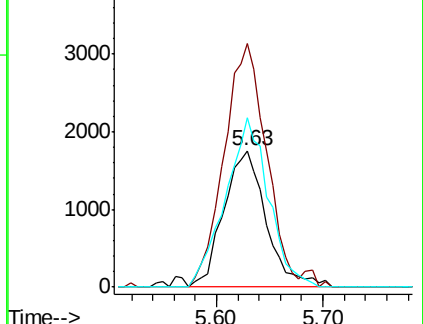
84 124.0 69.1 103.7#

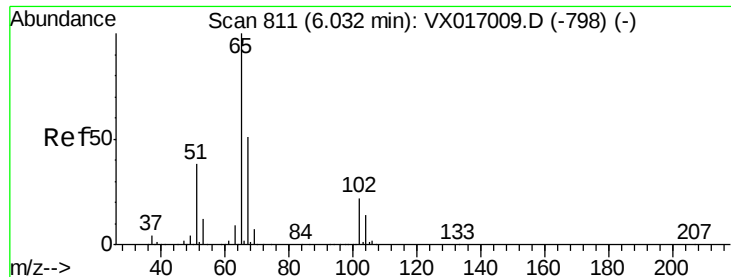


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.902 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

Instrument :

MSVOA_X

ClientSampleId :

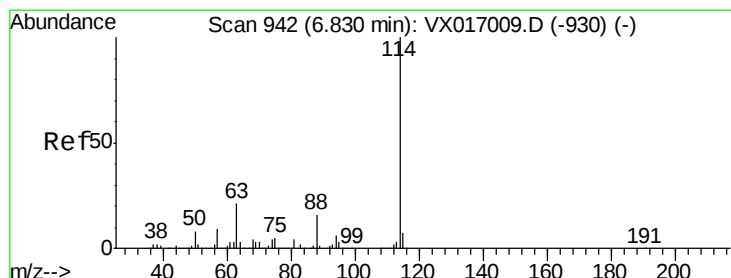
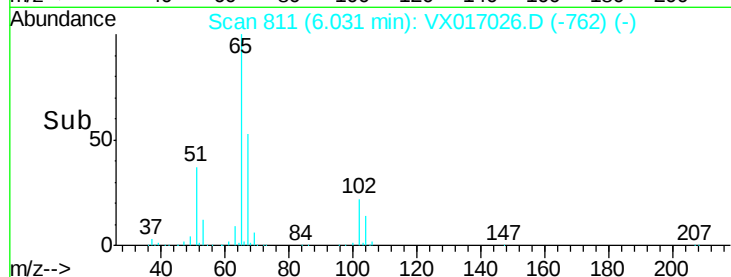
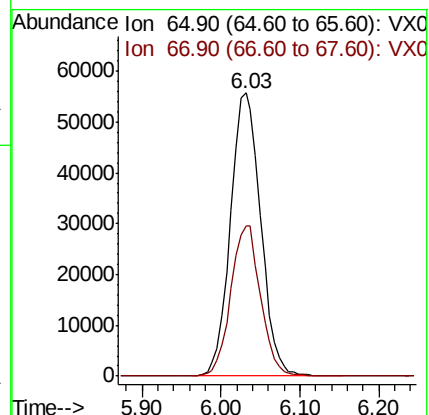
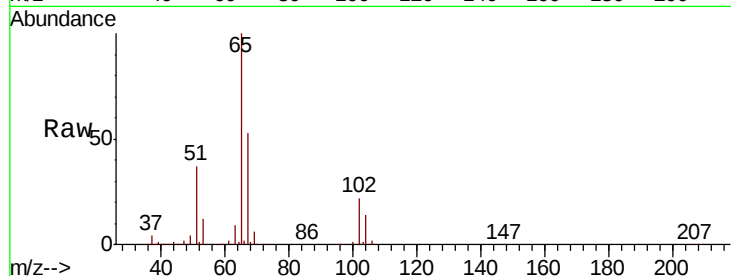
02BR-20200626

Tot Ion: 65 Resp: 148729

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

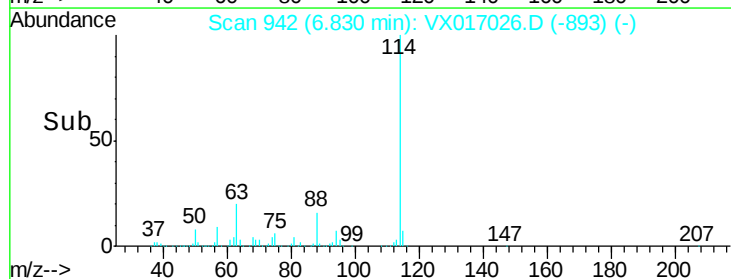
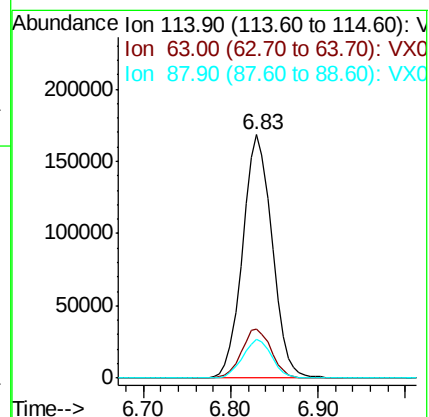
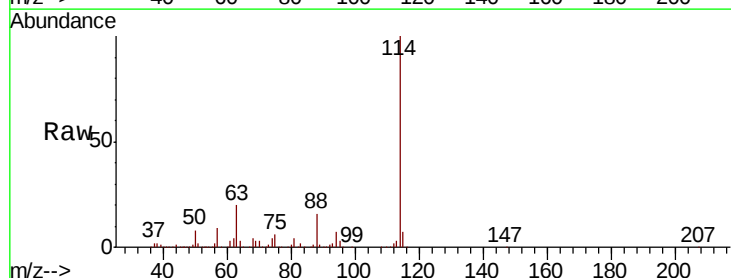
Tgt Ion: 114 Resp: 395418

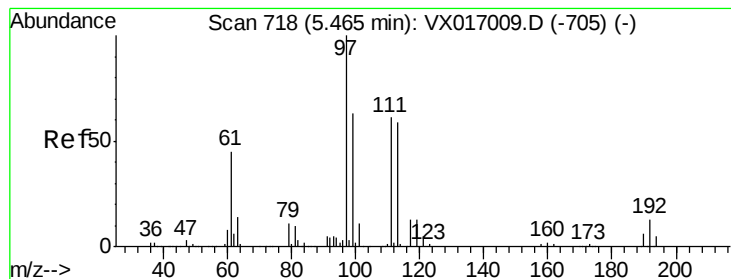
Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.4

88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.573 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

Instrument :

MSVOA_X

ClientSampleId :

02BR-20200626

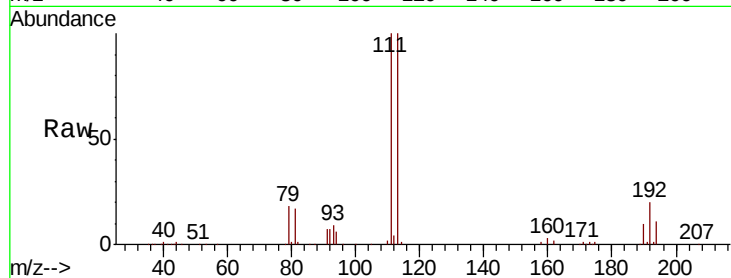
Tot Ion:113 Resp: 126497

Ion Ratio Lower Upper

113 100

111 104.1 81.9 122.9

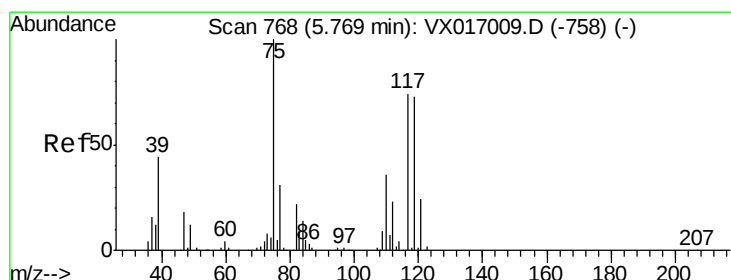
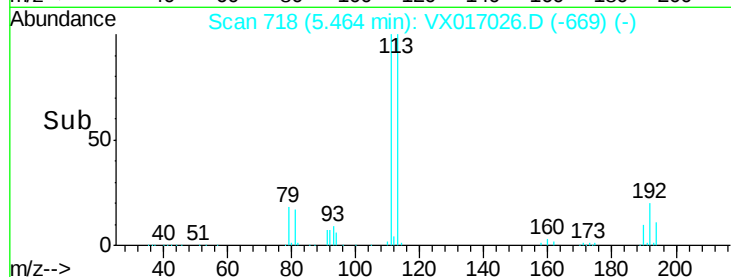
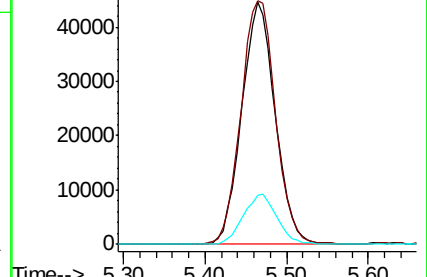
192 20.9 16.7 25.1



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: 4.693 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

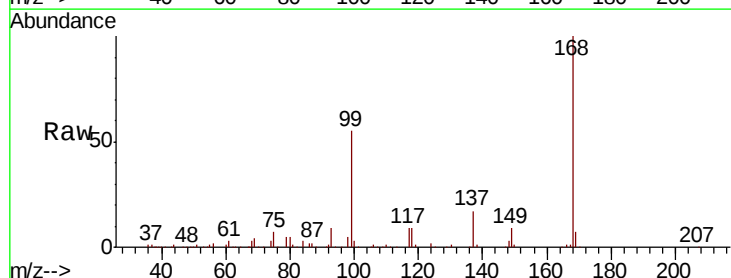
Tgt Ion: 75 Resp: 17538

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

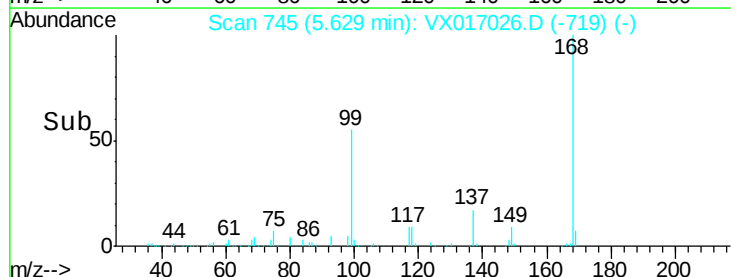
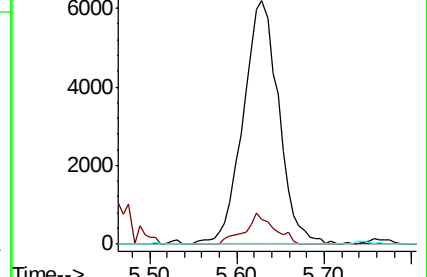
77 0.0 24.6 37.0#

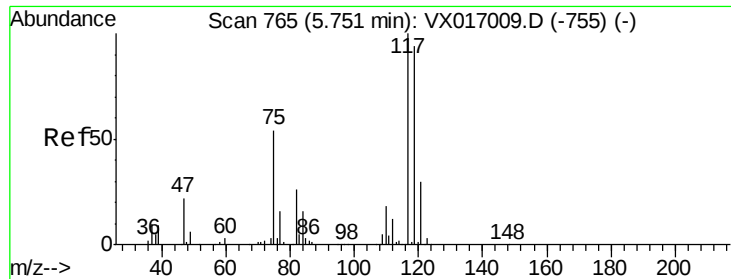


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

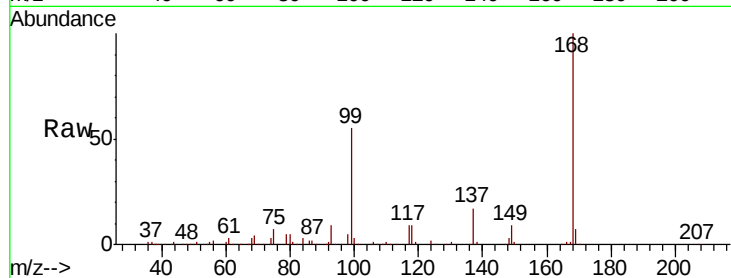




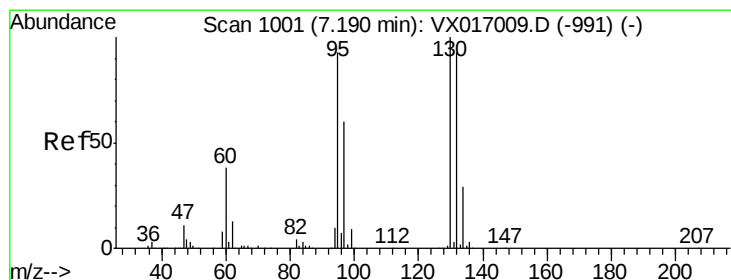
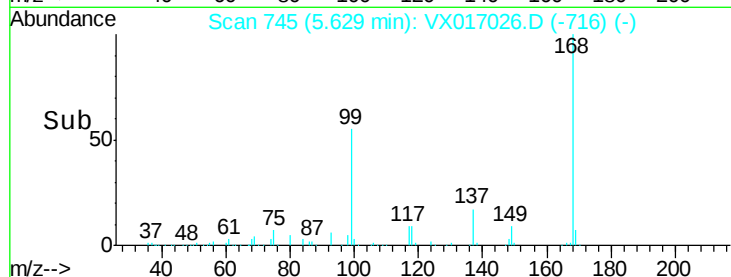
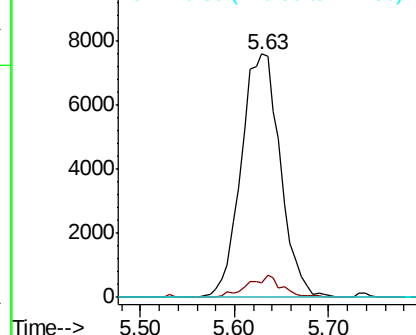
#38
Carbon Tetrachloride
Concen: 5.363 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX017026.D
Acq: 29 Jun 2020 22:42

Instrument :
MSVOA_X
ClientSampleId :
02BR-20200626

Tot Ion:117 Resp: 22076
Ion Ratio Lower Upper
117 100
119 5.7 75.4 113.0#
121 0.0 23.8 35.6#

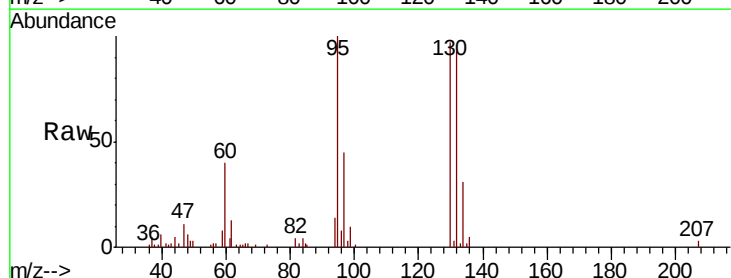


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

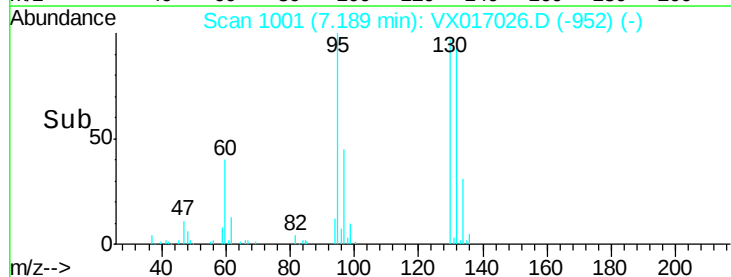
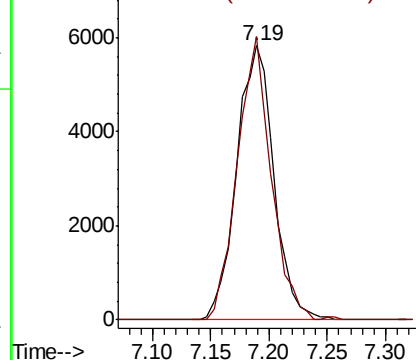


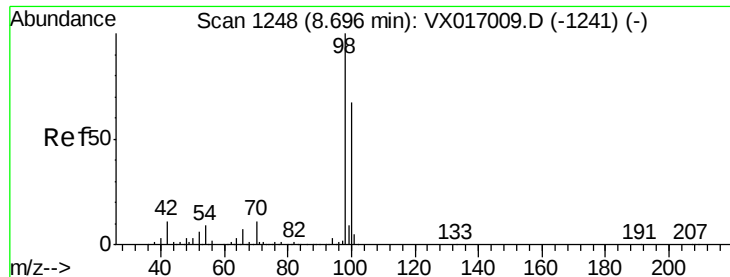
#44
Trichloroethene
Concen: 3.979 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VX017026.D
Acq: 29 Jun 2020 22:42

Tgt Ion:130 Resp: 12919
Ion Ratio Lower Upper
130 100
95 103.4 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: 53.007 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

Instrument :

MSVOA_X

ClientSampleId :

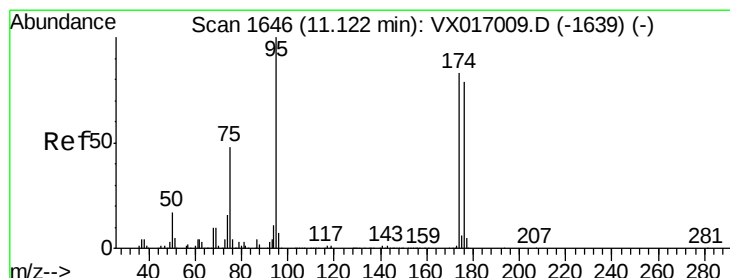
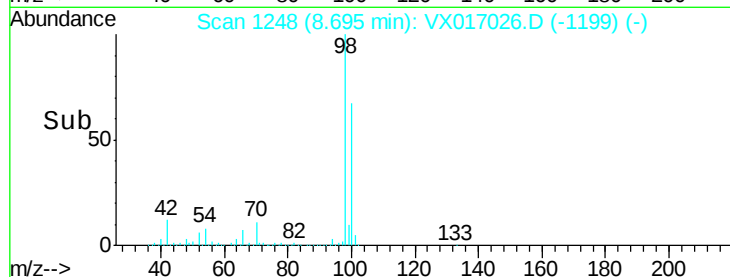
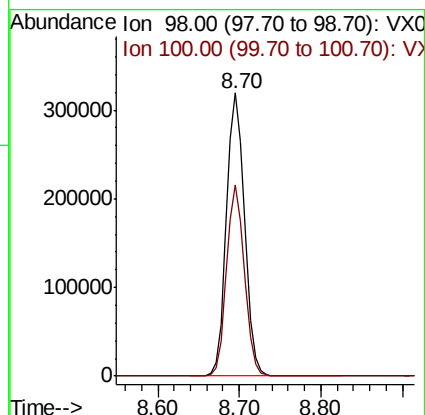
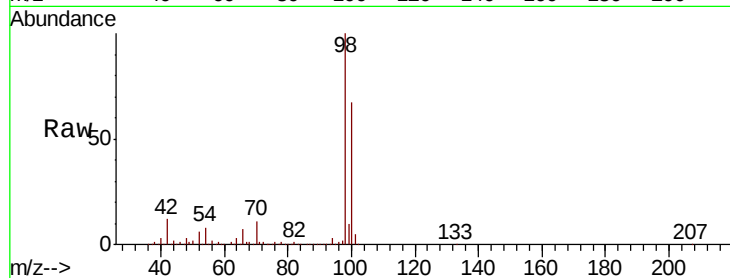
02BR-20200626

Tot Ion: 98 Resp: 490281

Ion Ratio Lower Upper

98 100

100 66.3 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 60.662 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

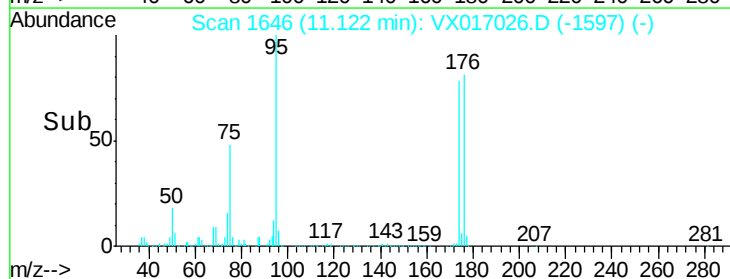
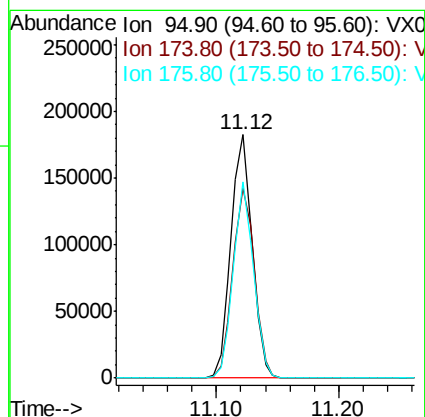
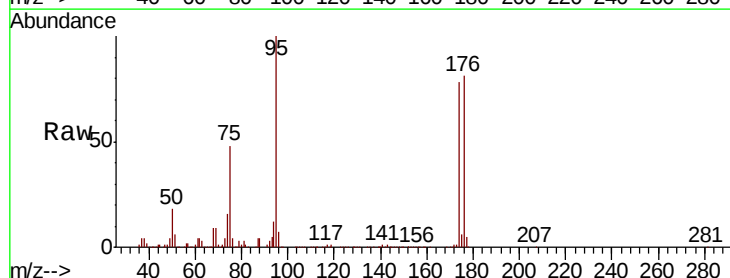
Tgt Ion: 95 Resp: 219334

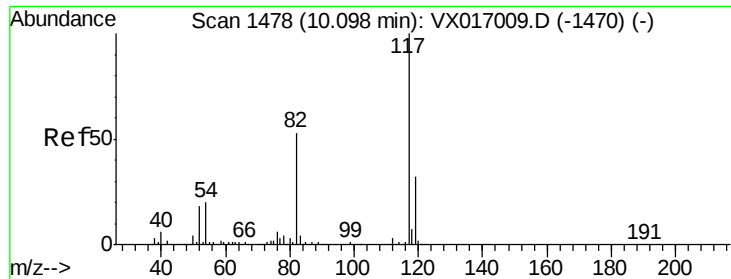
Ion Ratio Lower Upper

95 100

174 79.4 0.0 164.0

176 76.7 0.0 157.6

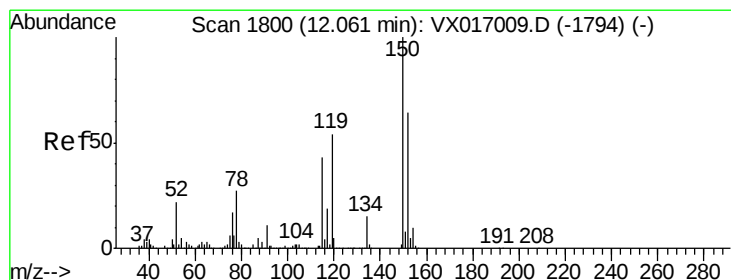
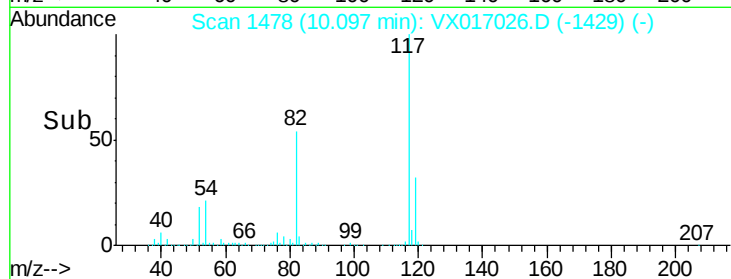
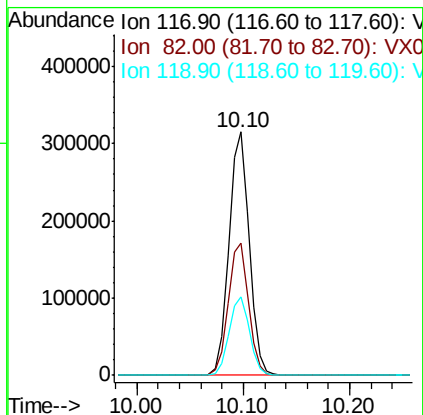
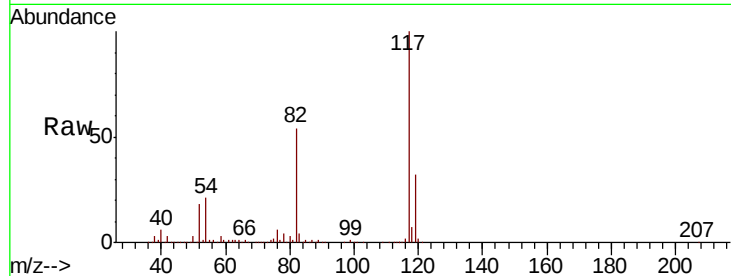




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017026.D
Acq: 29 Jun 2020 22:42

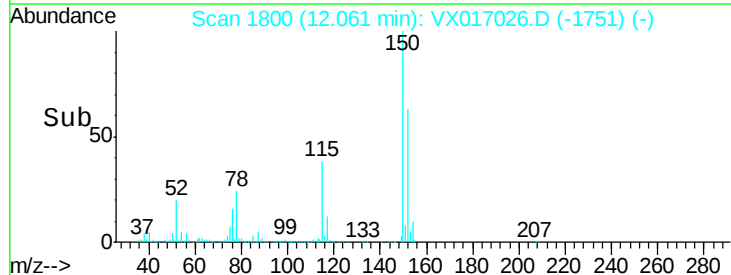
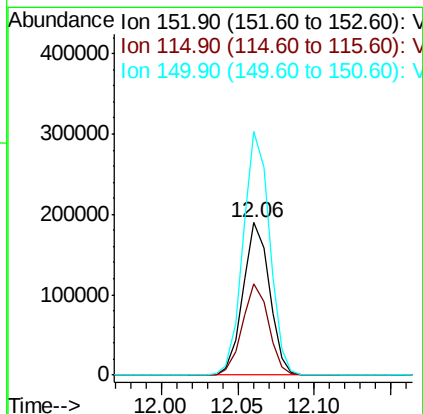
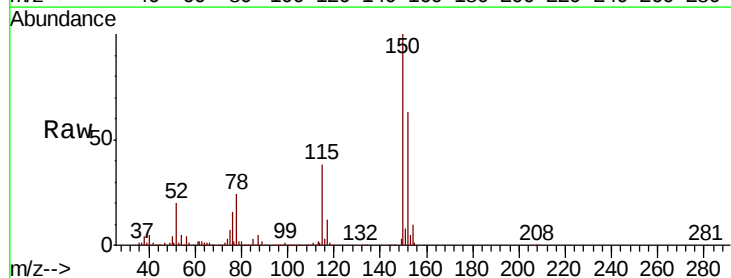
Instrument :
MSVOA_X
ClientSampleId :
02BR-20200626

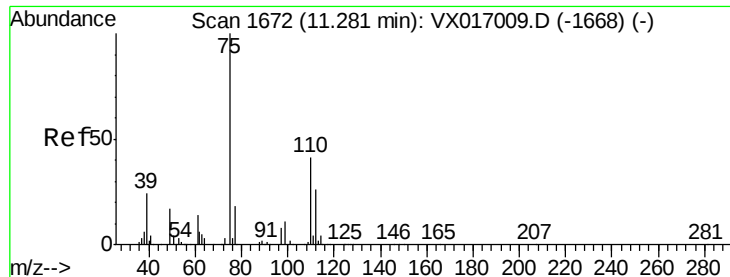
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.6	63.8
119	32.0	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017026.D
Acq: 29 Jun 2020 22:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	40.9	122.7
150	159.2	0.0	351.6





#76

1,2,3-Trichloropropane

Concen: 24.212 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

Instrument :

MSVOA_X

ClientSampleId :

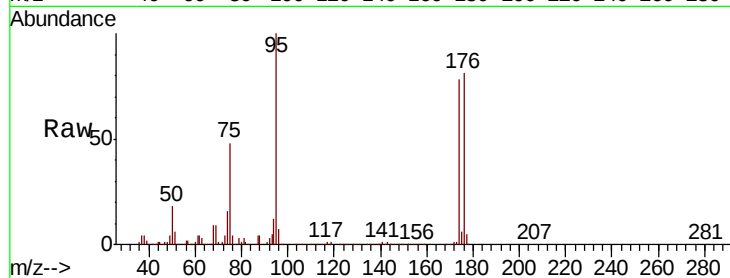
02BR-20200626

Tot Ion: 75 Resp: 108790

Ion Ratio Lower Upper

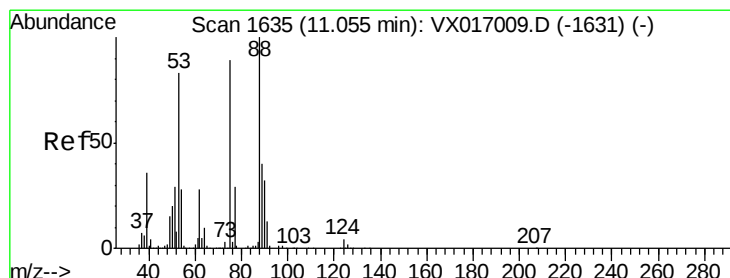
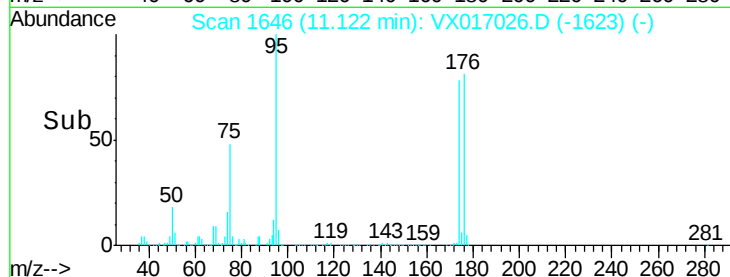
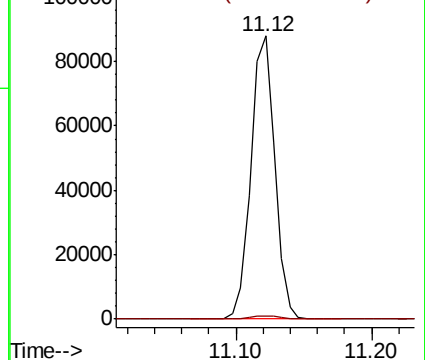
75 100

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: 62.700 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

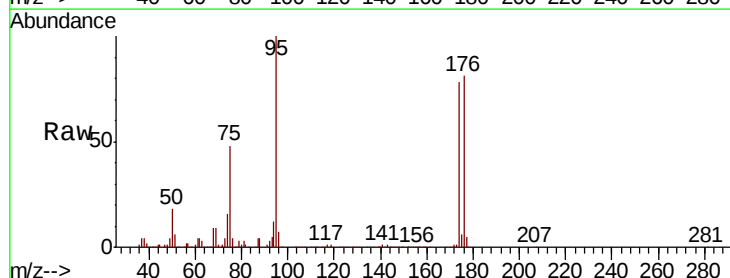
Tgt Ion: 75 Resp: 108790

Ion Ratio Lower Upper

75 100

53 0.1 72.4 108.6#

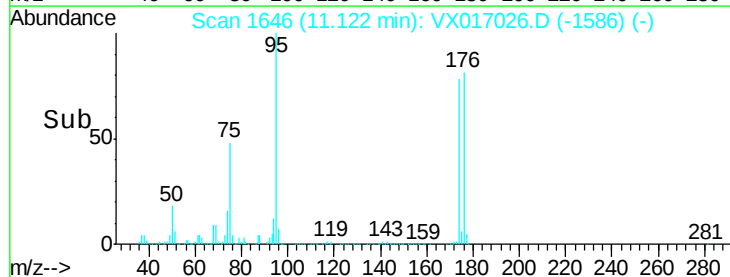
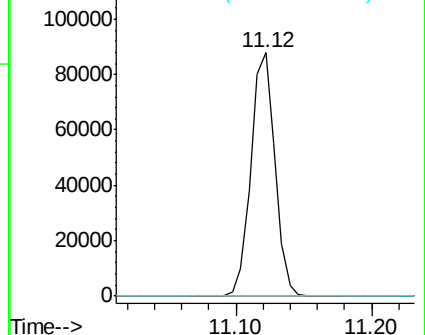
89 0.1 37.0 55.4#

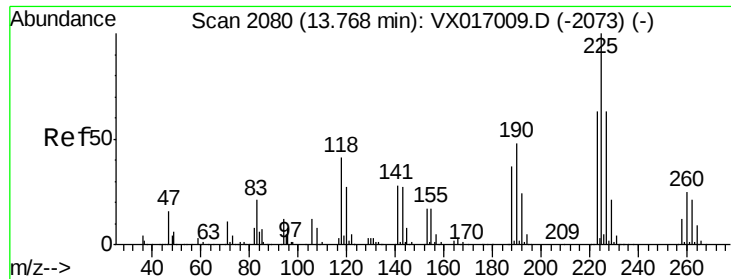


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.905 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017026.D

Acq: 29 Jun 2020 22:42

Instrument :

MSVOA_X

ClientSampleId :

02BR-20200626

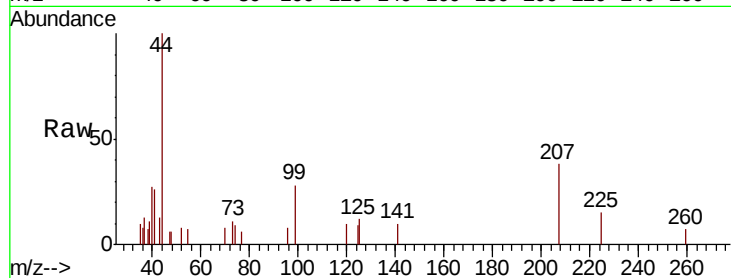
Tot Ion:225 Resp: 111

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.5#

227 0.0 33.1 99.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

