

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070720\
 Data File : VX017201.D
 Acq On : 07 Jul 2020 14:21
 Operator : JC/SP
 Sample : L3159-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31S-20200629

Quant Time: Jul 08 01:52:57 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	5.64	168	256458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	431445	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	444534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	238321	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	165801	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
35) Dibromofluoromethane	5.46	113	144297	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
50) Toluene-d8	8.70	98	523525	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	11.12	95	214137	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	

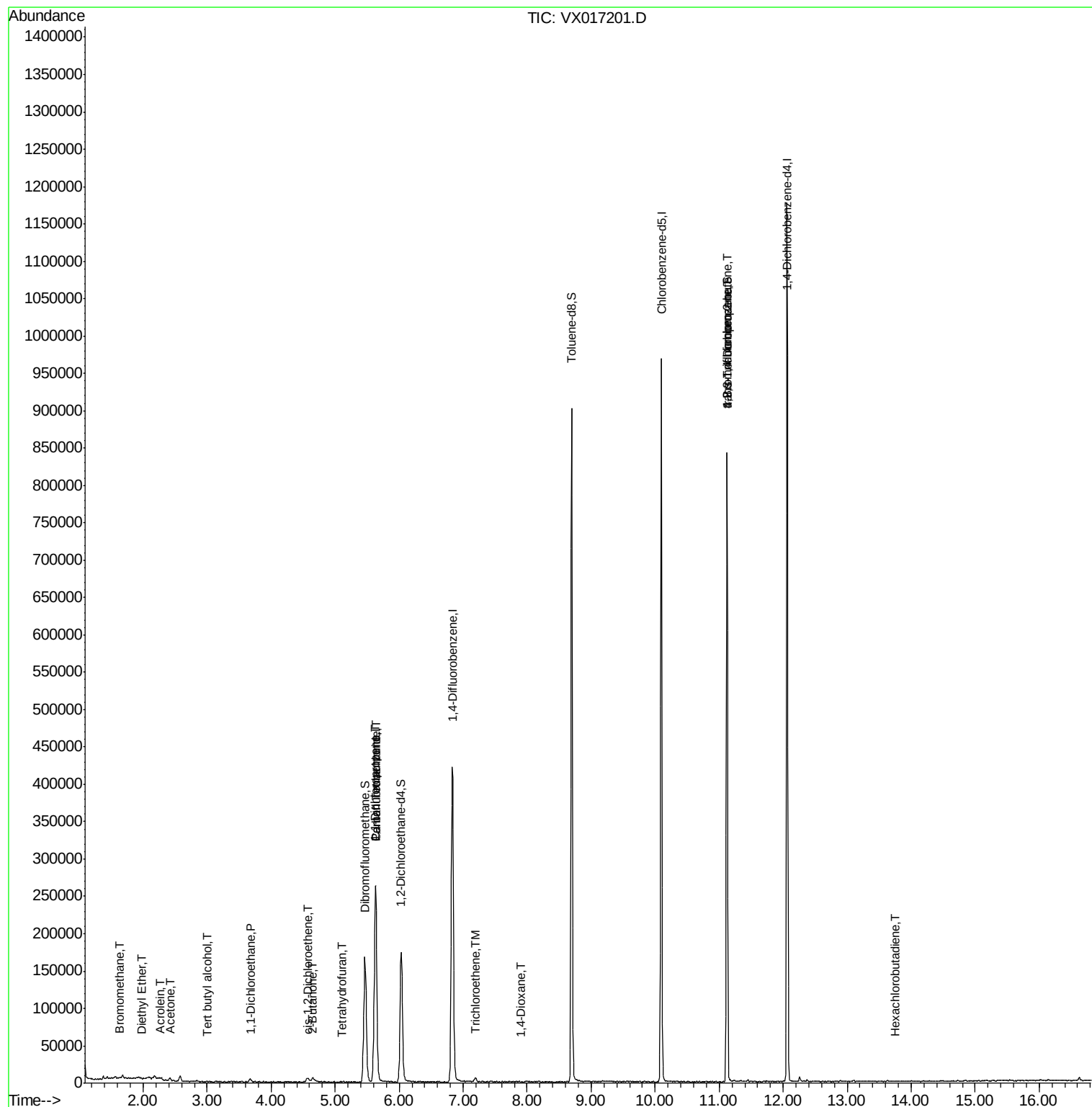
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	436	0.296	ug/l	98
8) Diethyl Ether	1.98	74	113	0.446	ug/l	70
11) Tert butyl alcohol	3.00	59	342	0.567	ug/l #	88
13) Acrolein	2.26	56	263	0.729	ug/l #	1
16) Acetone	2.42	43	3985	3.369	ug/l	99
20) Methylene Chloride	2.85	84	612	Below Cal	#	63
24) 1,1-Dichloroethane	3.67	63	4003	0.811	ug/l	93
25) 2-Butanone	4.65	43	655	0.332	ug/l #	59
27) cis-1,2-Dichloroethene	4.57	96	3177	0.996	ug/l	88
29) Tetrahydrofuran	5.09	42	273	0.210	ug/l #	41
36) 1,1-Dichloropropene	5.62	75	18443	4.523	ug/l #	51
38) Carbon Tetrachloride	5.64	117	25344	5.643	ug/l #	17
44) Trichloroethene	7.20	130	1926	0.275	ug/l	90
49) 1,4-Dioxane	7.91	88	19	0.257	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	107143	22.862	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	107143	59.205	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	323	Below Cal		73
94) Hexachlorobutadiene	13.76	225	80	0.886	ug/l #	17

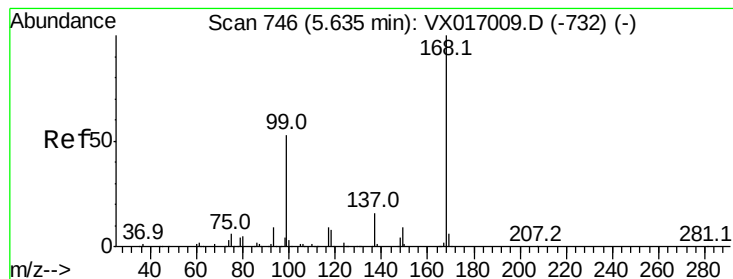
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070720\
Data File : VX017201.D
Acq On : 07 Jul 2020 14:21
Operator : JC/SP
Sample : L3159-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
31S-20200629

Quant Time: Jul 08 01:52:57 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: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017201.D

Acq: 07 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

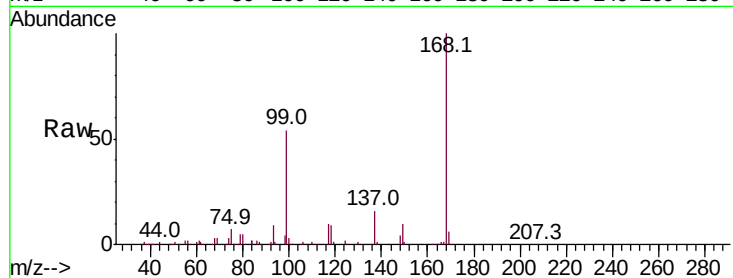
31S-20200629

Tot Ion:168 Resp: 256458

Ion Ratio Lower Upper

168 100

99 53.9 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

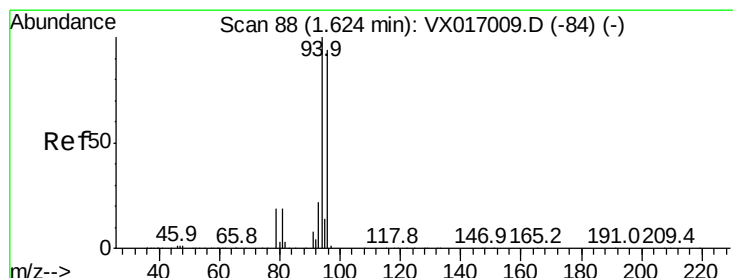
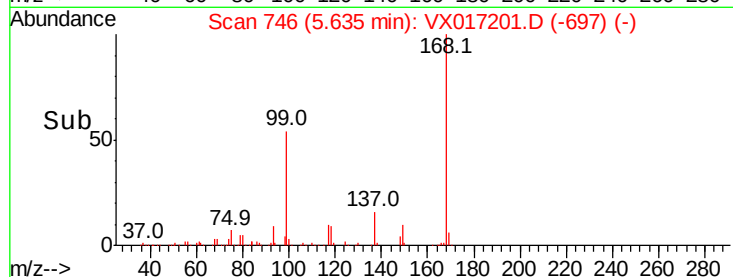
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.296 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017201.D

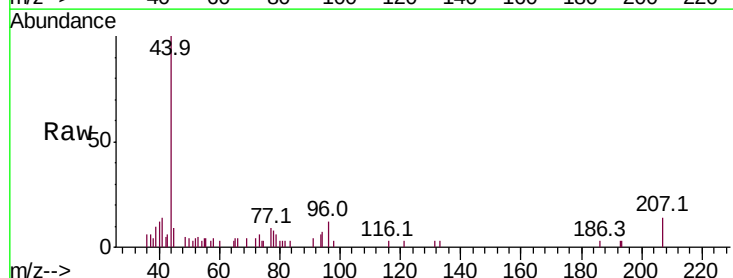
Acq: 07 Jul 2020 14:21

Tgt Ion: 94 Resp: 436

Ion Ratio Lower Upper

94 100

96 95.3 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

250

200

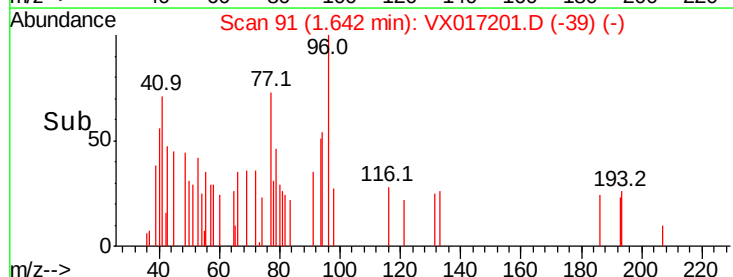
150

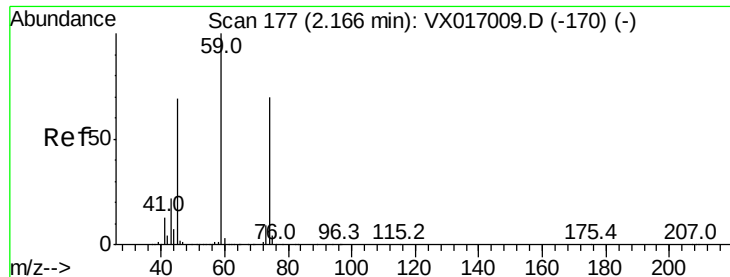
100

50

0

Time-->





#8

Diethyl Ether

Concen: 0.446 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.18 min

Lab File: VX017201.D

Acq: 07 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

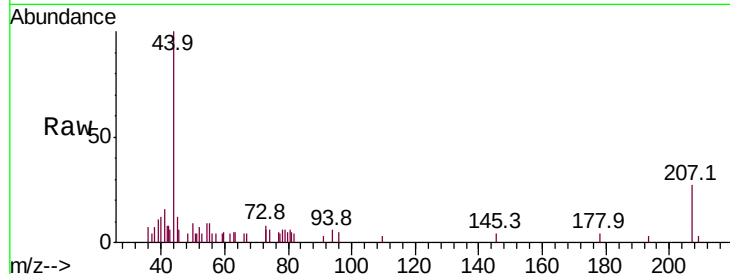
31S-20200629

Tot Ion: 74 Resp: 113

Ion Ratio Lower Upper

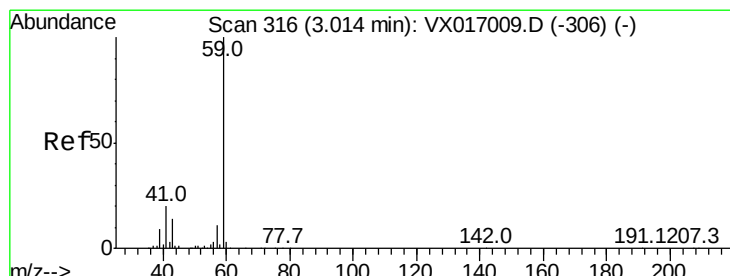
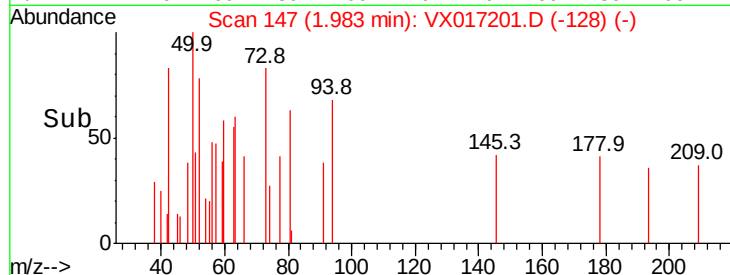
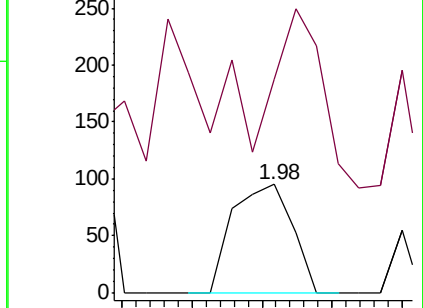
74 100

45 129.2 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: 0.567 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX017201.D

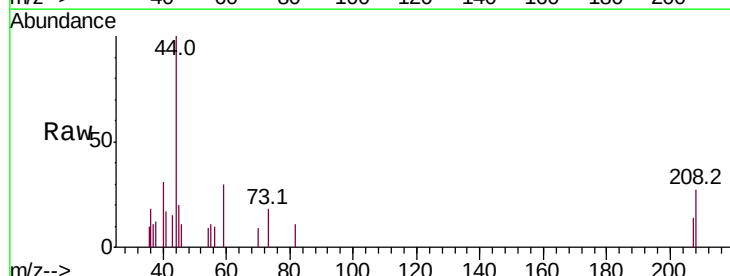
Acq: 07 Jul 2020 14:21

Tgt Ion: 59 Resp: 342

Ion Ratio Lower Upper

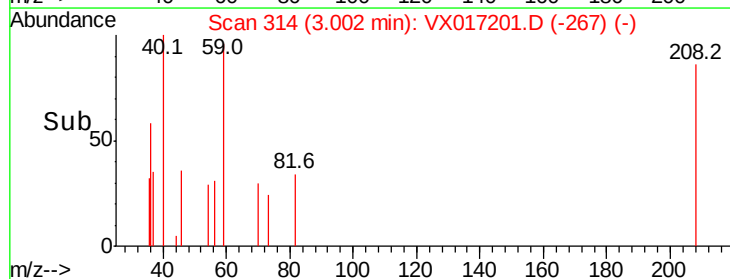
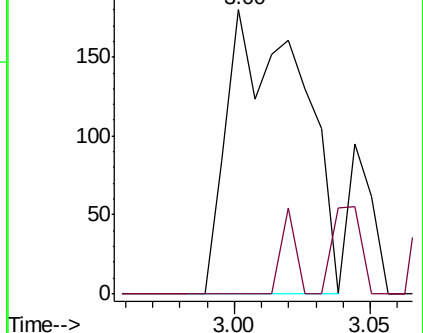
59 100

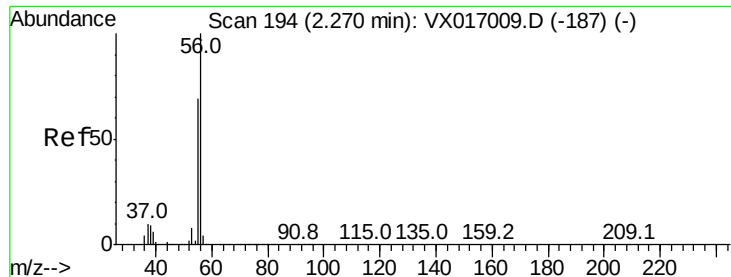
57 5.8 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

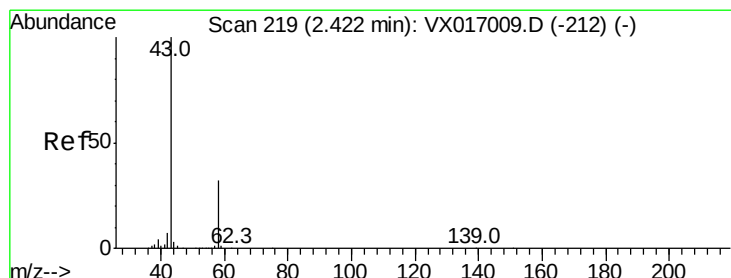
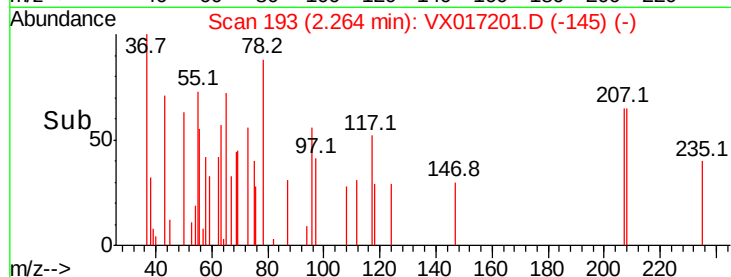
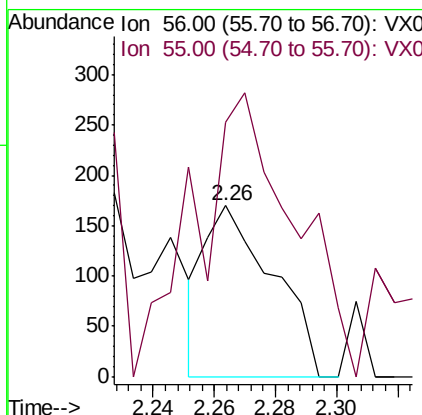
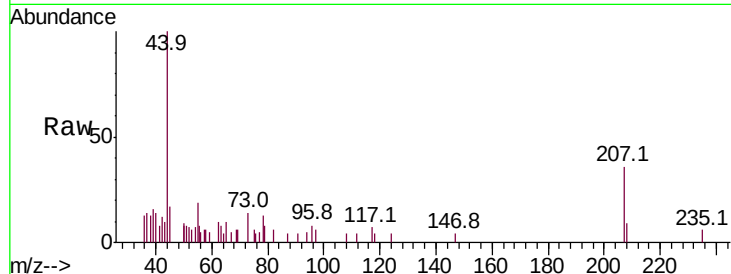




#13
Acrolein
Concen: 0.729 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX017201.D
Acq: 07 Jul 2020 14:21

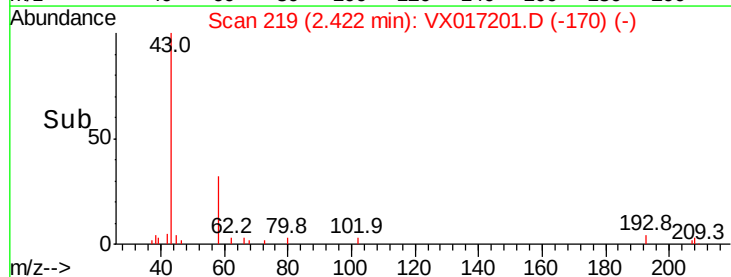
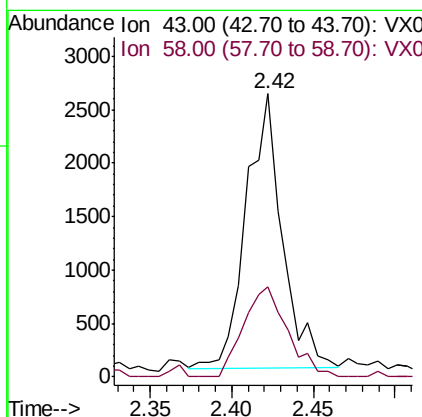
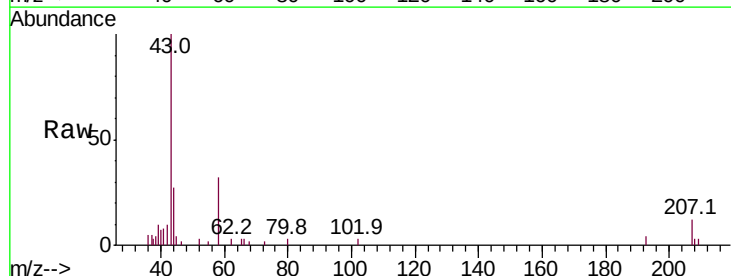
Instrument :
MSVOA_X
ClientSampleId :
31S-20200629

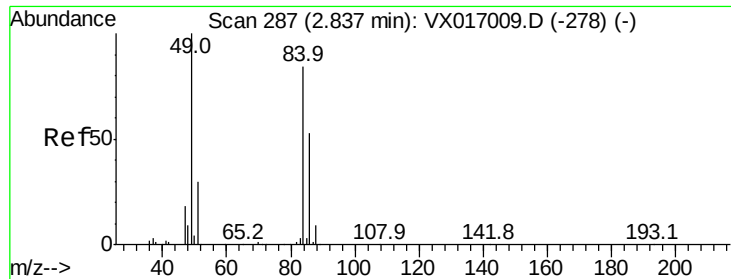
Tot Ion: 56 Resp: 263
Ion Ratio Lower Upper
56 100
55 230.8 55.7 83.5#



#16
Acetone
Concen: 3.369 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017201.D
Acq: 07 Jul 2020 14:21

Tgt Ion: 43 Resp: 3985
Ion Ratio Lower Upper
43 100
58 32.9 25.7 38.5



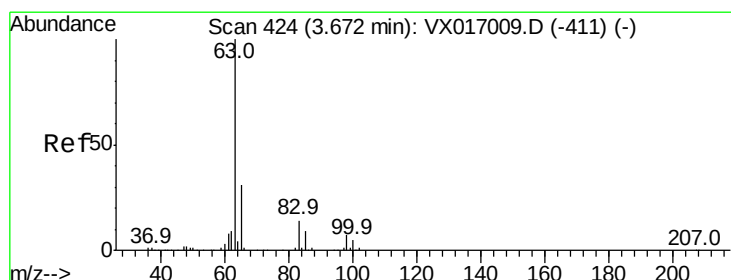
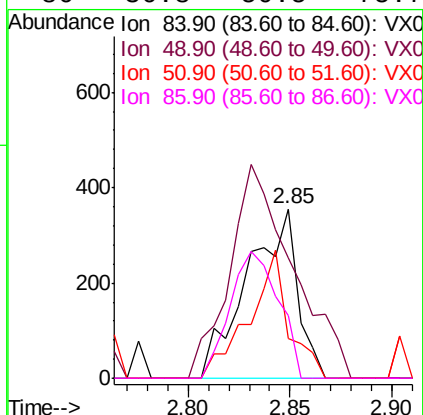
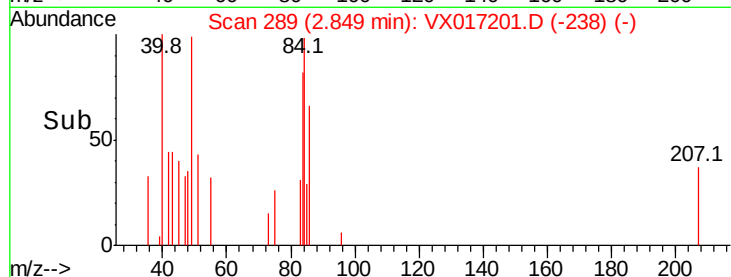
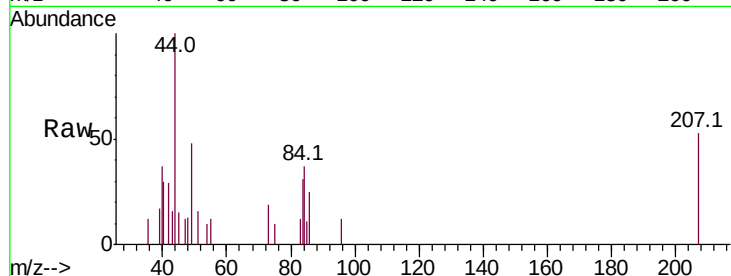


#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 289
Delta R.T. 0.01 min
Lab File: VX017201.D
Acq: 07 Jul 2020 14:21

Instrument :
MSVOA_X
ClientSampleId :
31S-20200629

Tot Ion: 84 Resp: 612

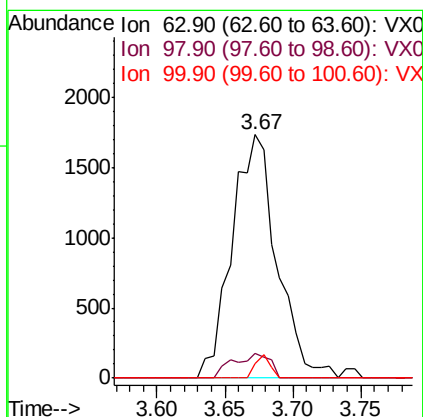
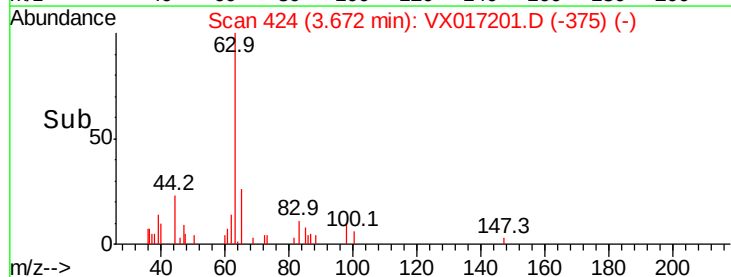
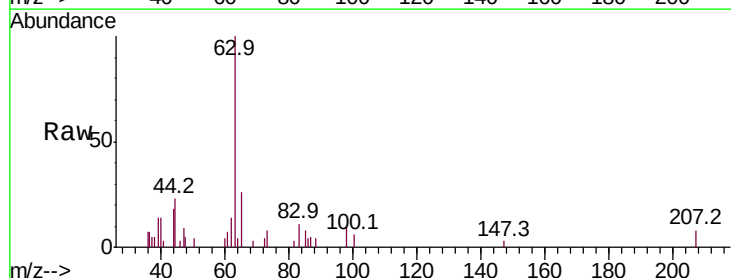
Ion	Ratio	Lower	Upper
84	100		
49	71.1	94.7	142.1#
51	23.9	28.6	42.8#
86	36.8	50.5	75.7#

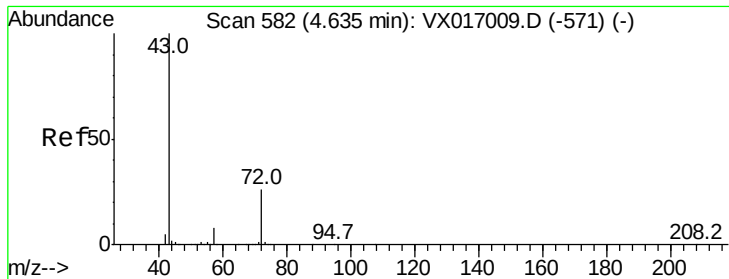


#24
1,1-Dichloroethane
Concen: 0.811 ug/l
RT: 3.67 min Scan# 424
Delta R.T. -0.00 min
Lab File: VX017201.D
Acq: 07 Jul 2020 14:21

Tgt Ion: 63 Resp: 4003

Ion	Ratio	Lower	Upper
63	100		
98	10.3	3.6	10.8
100	5.9	2.4	7.1





#25

2-Butanone

Concen: 0.332 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017201.D

Acq: 07 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

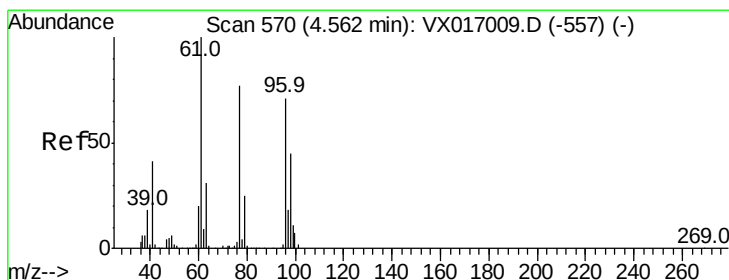
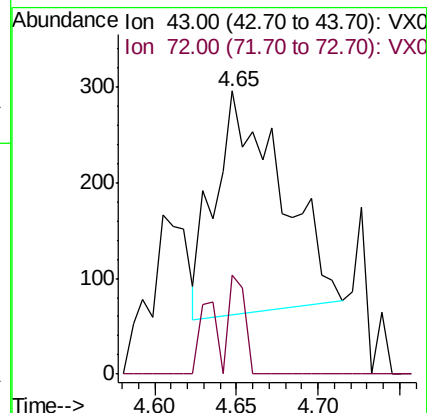
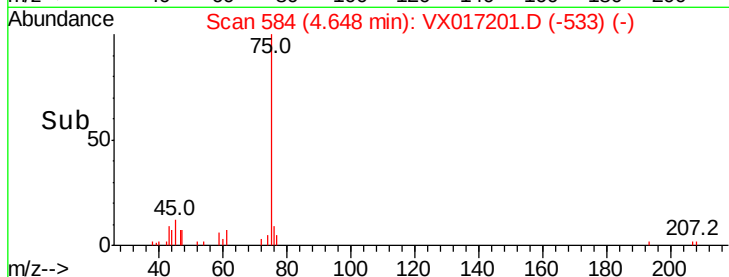
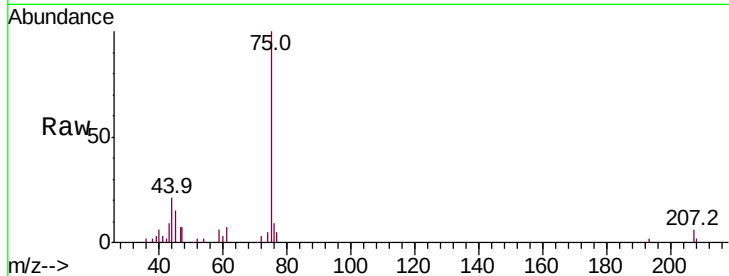
31S-20200629

Tot Ion: 43 Resp: 655

Ion Ratio Lower Upper

43 100

72 47.0 20.8 31.2#



#27

cis-1,2-Dichloroethene

Concen: 0.996 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX017201.D

Acq: 07 Jul 2020 14:21

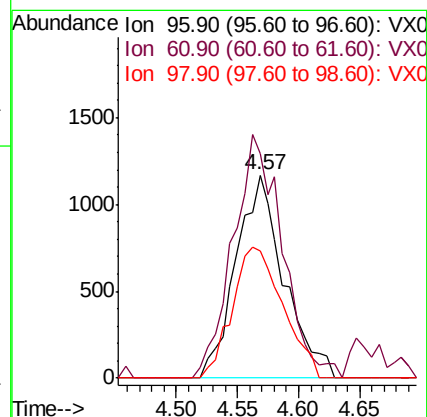
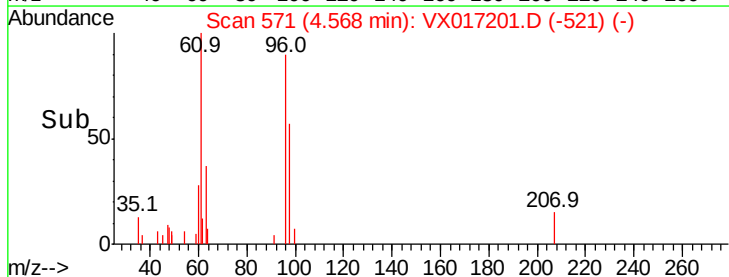
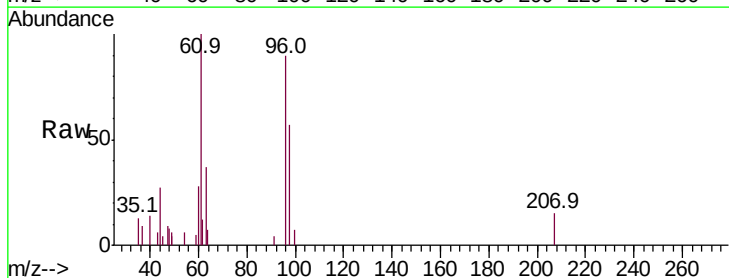
Tgt Ion: 96 Resp: 3177

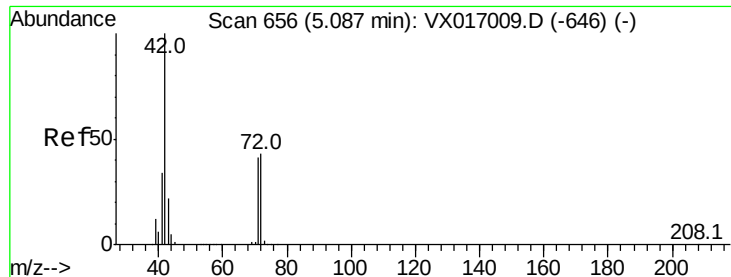
Ion Ratio Lower Upper

96 100

61 123.7 0.0 282.8

98 68.2 0.0 127.6





#29

Tetrahydrofuran

Concen: 0.210 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX017201.D

Acq: 07 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

31S-20200629

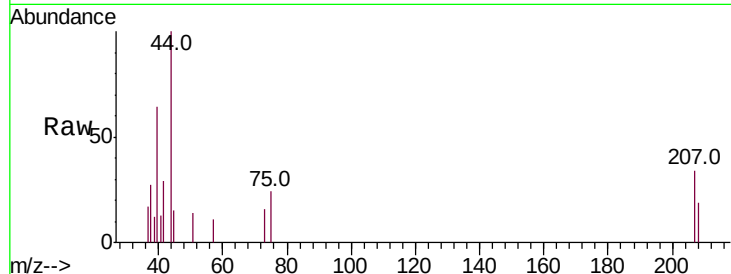
Tot Ion: 42 Resp: 273

Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

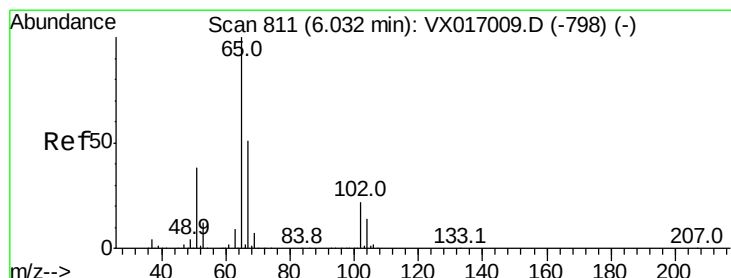
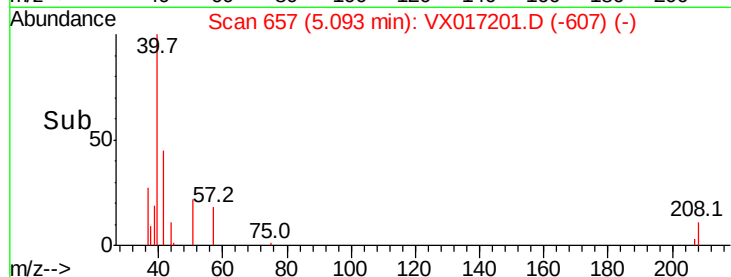
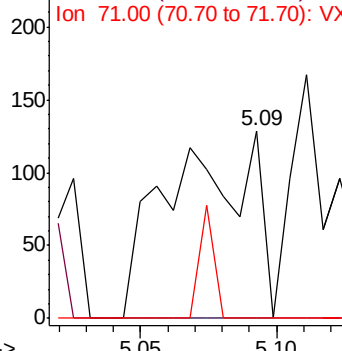
71 10.6 33.1 49.7#



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



#33

1,2-Dichloroethane-d4

Concen: 52.442 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017201.D

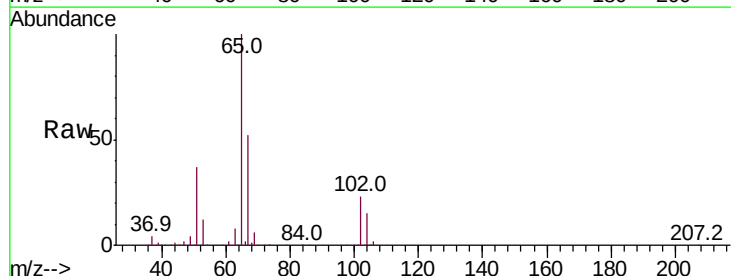
Acq: 07 Jul 2020 14:21

Tgt Ion: 65 Resp: 165801

Ion Ratio Lower Upper

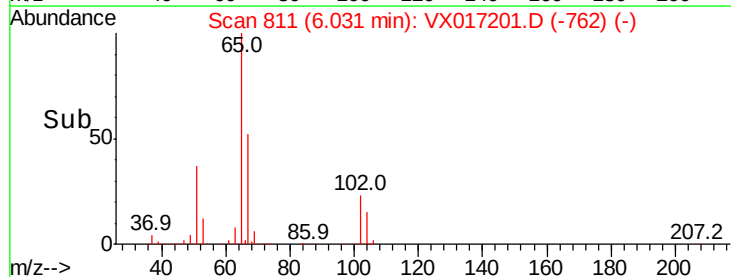
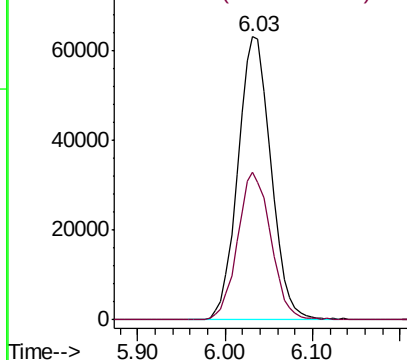
65 100

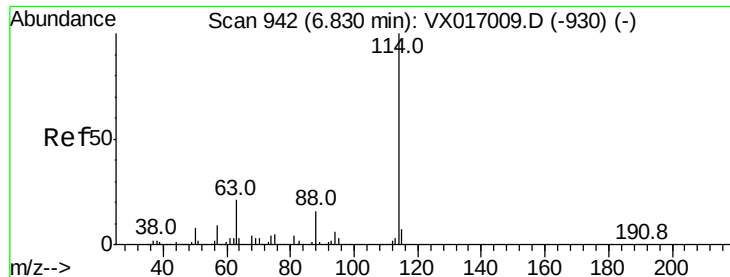
67 52.5 0.0 103.8



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: VX017201.D

Acq: 07 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

31S-20200629

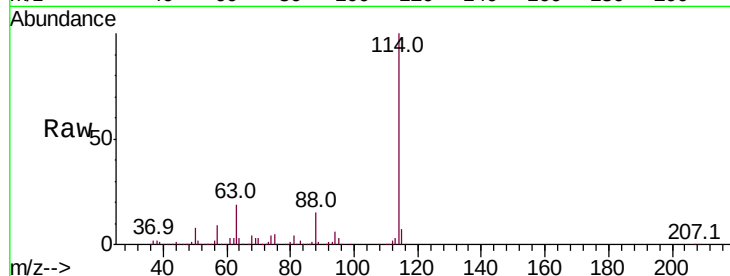
Tot Ion:114 Resp: 431445

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

88 15.3 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

250000

200000

150000

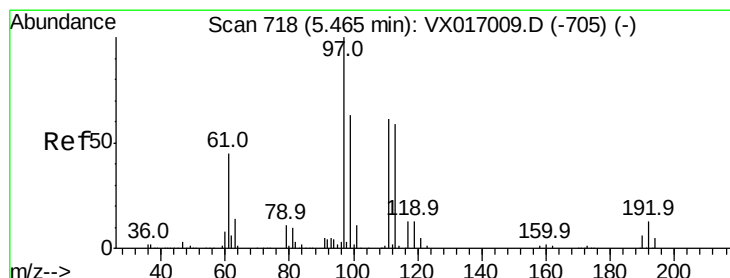
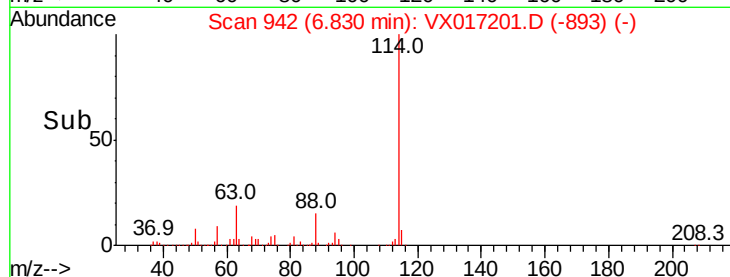
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 52.872 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017201.D

Acq: 07 Jul 2020 14:21

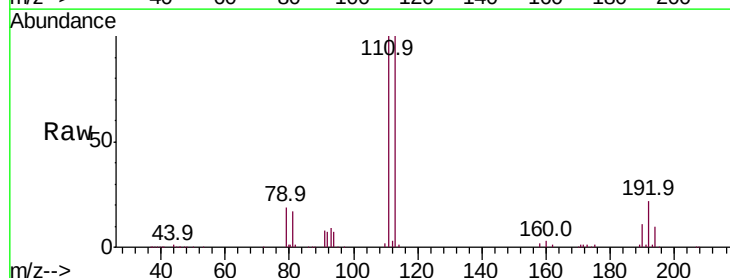
Tgt Ion:113 Resp: 144297

Ion Ratio Lower Upper

113 100

111 100.3 81.9 122.9

192 22.1 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

60000

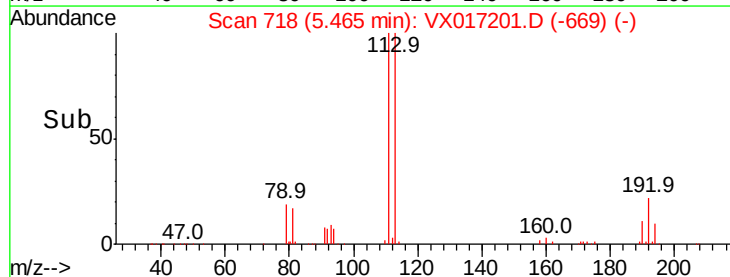
40000

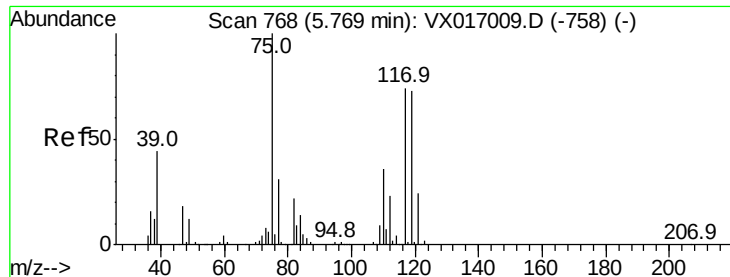
20000

0

5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 4.523 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX017201.D

Acq: 07 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

31S-20200629

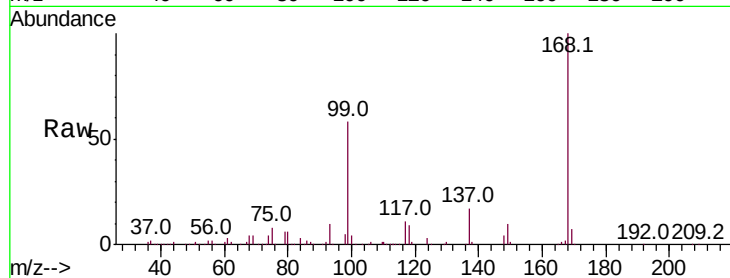
Tot Ion: 75 Resp: 18443

Ion Ratio Lower Upper

75 100

110 11.4 18.1 54.1#

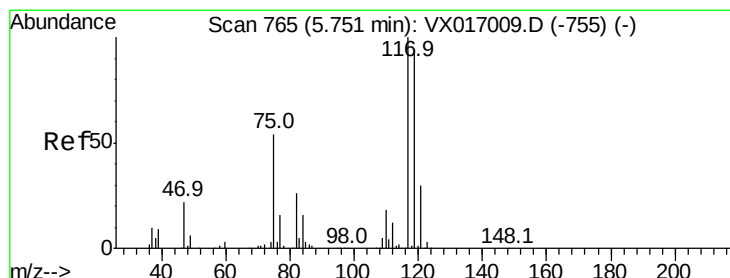
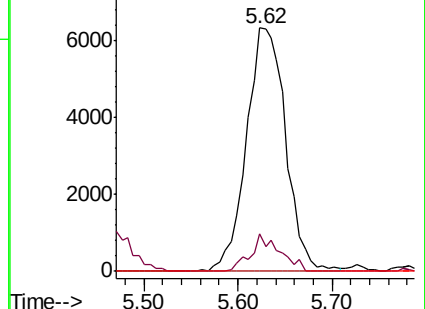
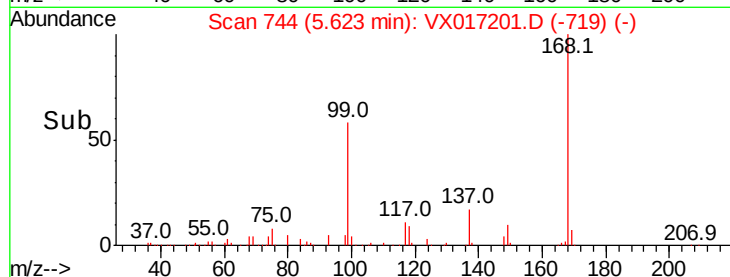
77 0.0 24.6 37.0#



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: 5.643 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017201.D

Acq: 07 Jul 2020 14:21

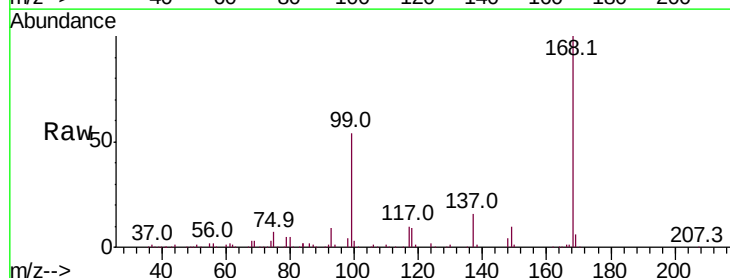
Tgt Ion: 117 Resp: 25344

Ion Ratio Lower Upper

117 100

119 6.0 75.4 113.0#

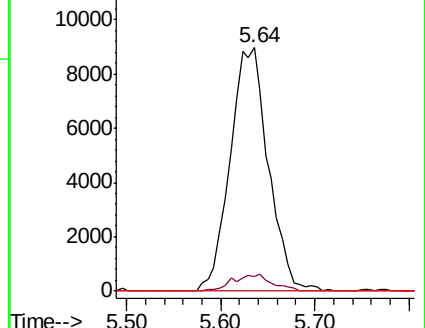
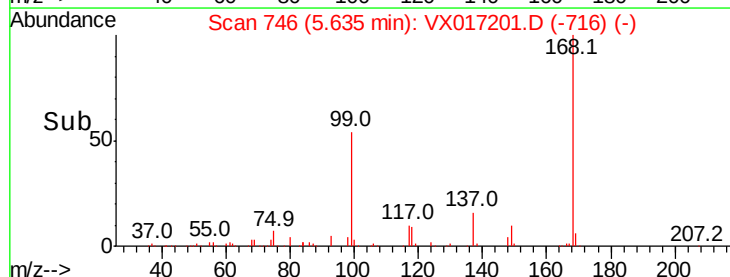
121 0.0 23.8 35.6#

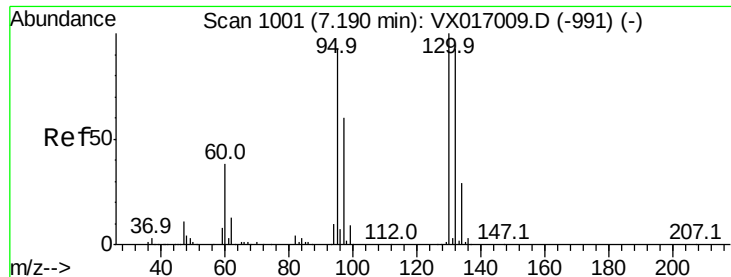


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.275 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX017201.D

Acq: 07 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

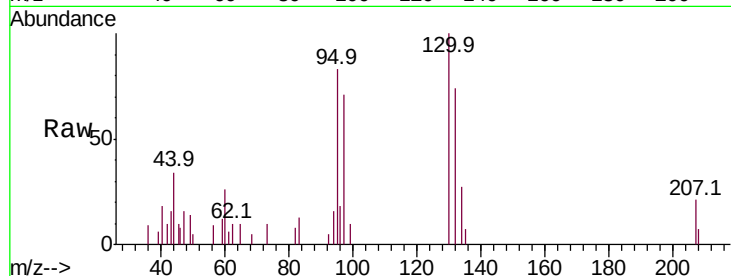
31S-20200629

Tot Ion:130 Resp: 1926

Ion Ratio Lower Upper

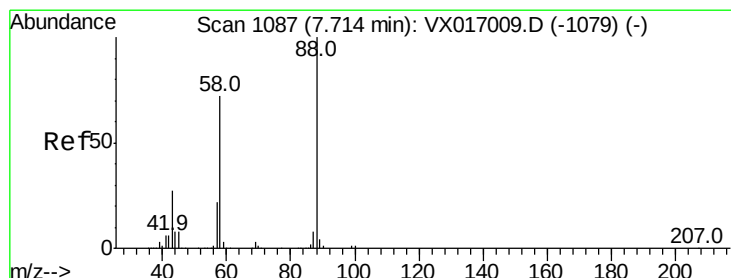
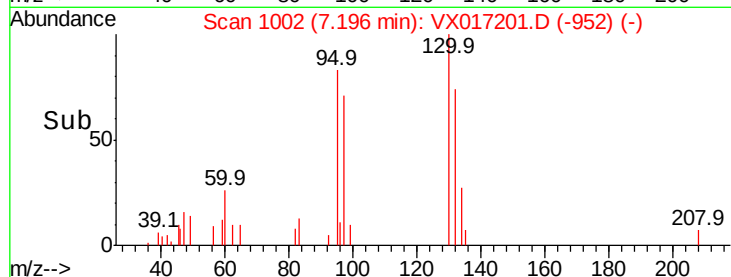
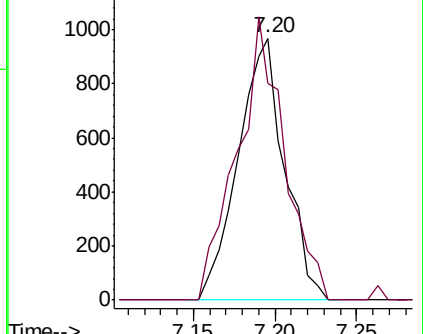
130 100

95 82.8 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.257 ug/l

RT: 7.91 min Scan# 1119

Delta R.T. 0.20 min

Lab File: VX017201.D

Acq: 07 Jul 2020 14:21

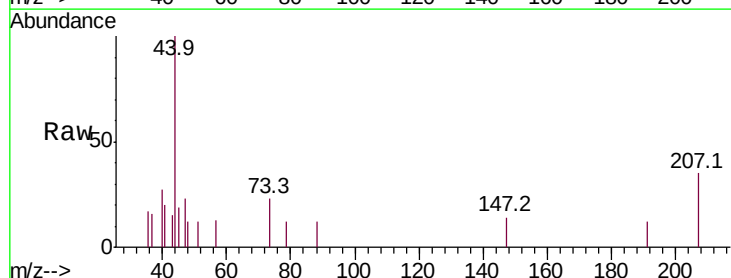
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 542.1 25.8 38.8#

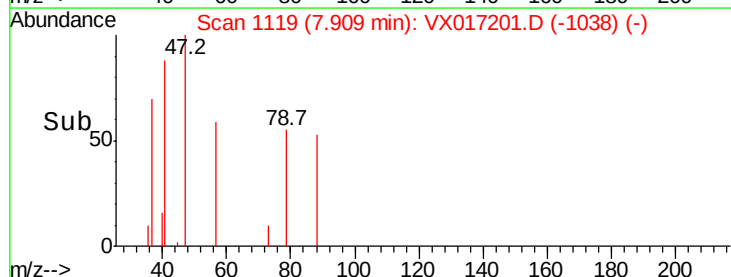
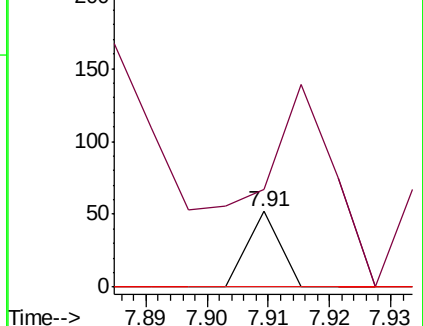
58 0.0 54.8 82.2#

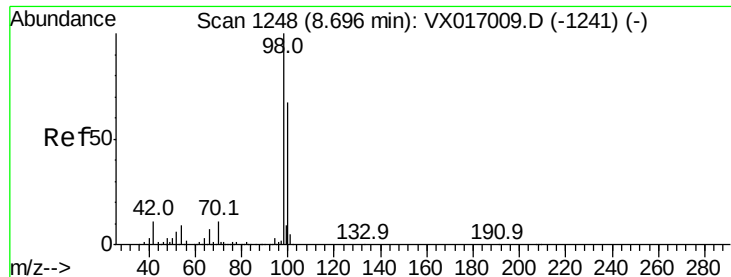


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.875 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017201.D

Acq: 07 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

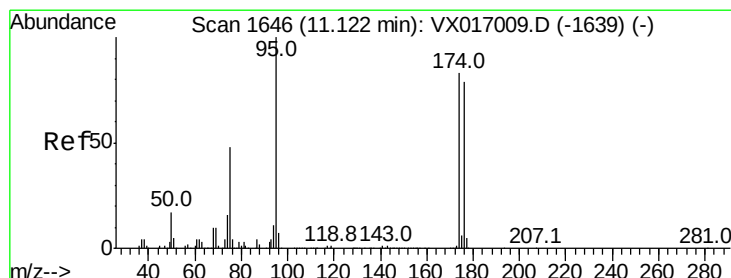
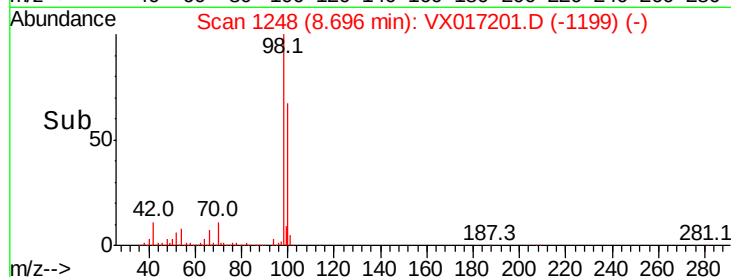
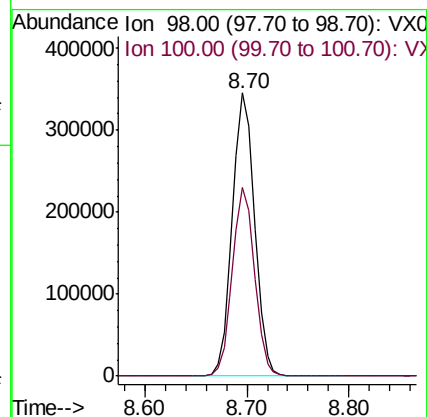
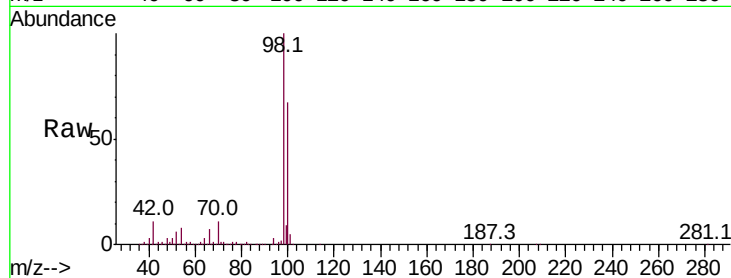
31S-20200629

Tot Ion: 98 Resp: 523525

Ion Ratio Lower Upper

98 100

100 66.4 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 54.279 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017201.D

Acq: 07 Jul 2020 14:21

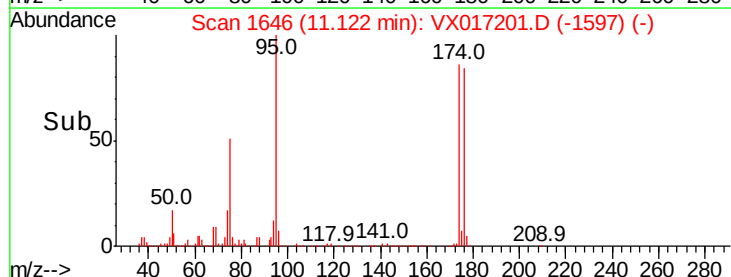
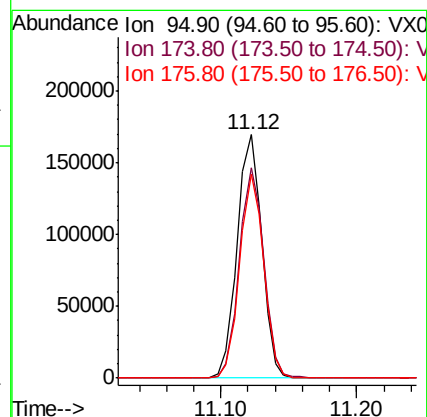
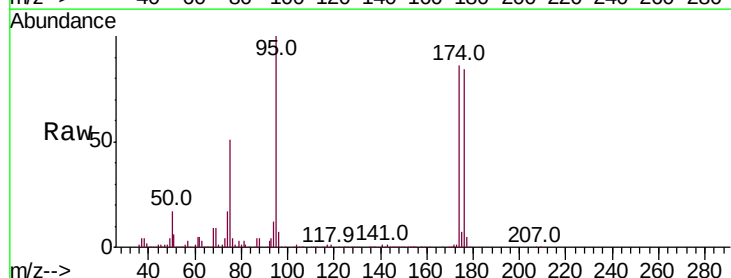
Tgt Ion: 95 Resp: 214137

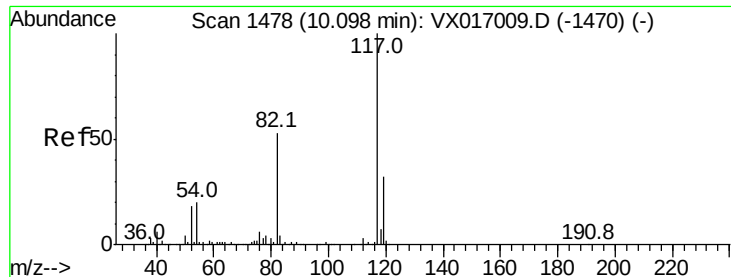
Ion Ratio Lower Upper

95 100

174 86.1 0.0 164.0

176 81.9 0.0 157.6

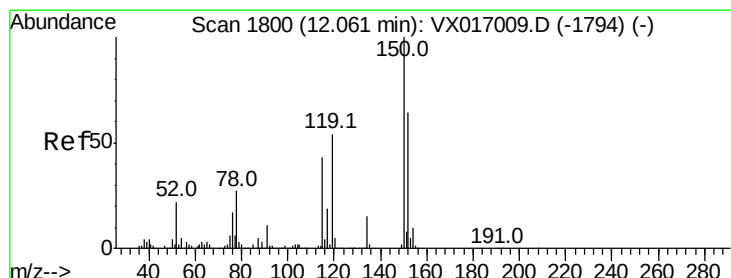
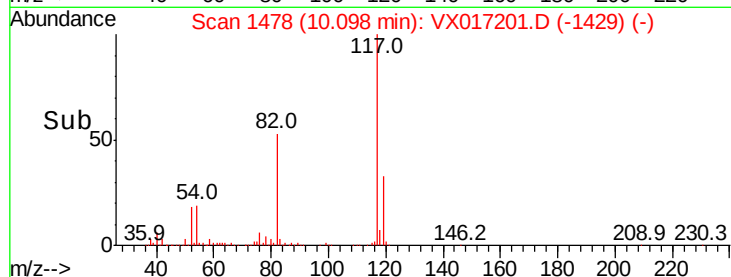
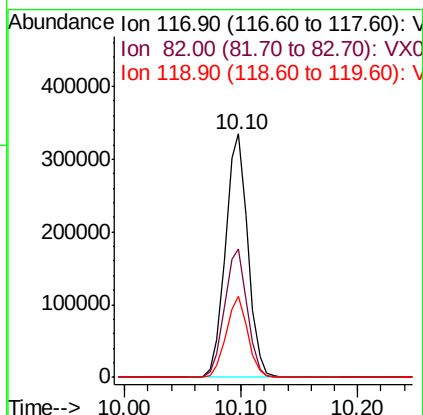
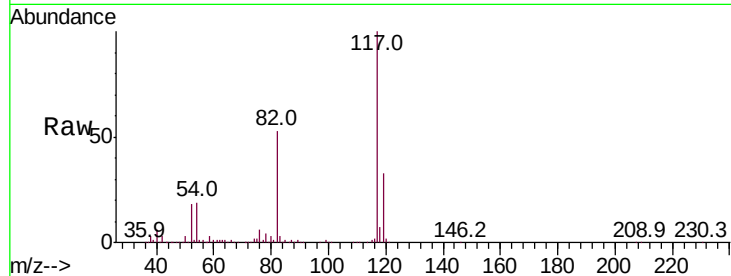




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017201.D
Acq: 07 Jul 2020 14:21

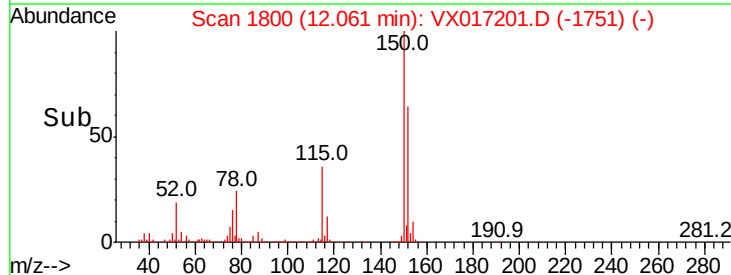
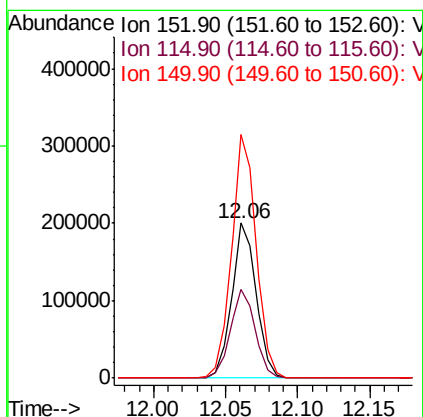
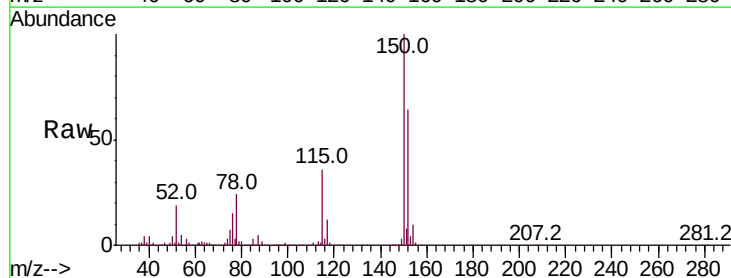
Instrument :
MSVOA_X
ClientSampleId :
31S-20200629

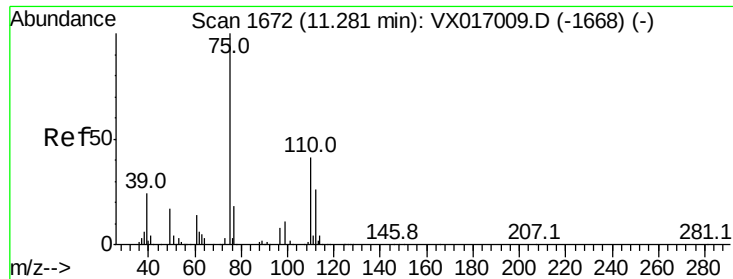
Tot Ion:117 Resp: 444534
Ion Ratio Lower Upper
117 100
82 52.8 42.6 63.8
119 33.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017201.D
Acq: 07 Jul 2020 14:21

Tgt Ion:152 Resp: 238321
Ion Ratio Lower Upper
152 100
115 58.0 40.9 122.7
150 158.1 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 22.862 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017201.D

Acq: 07 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

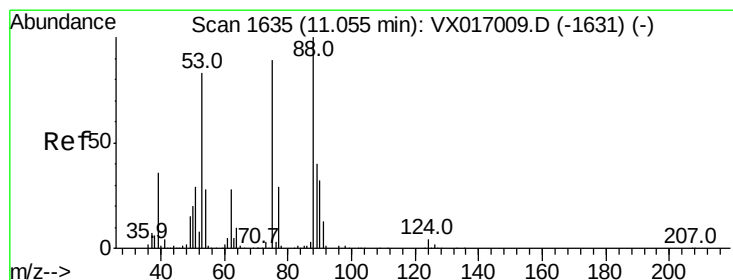
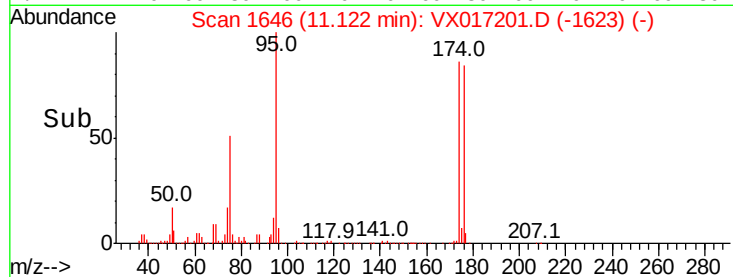
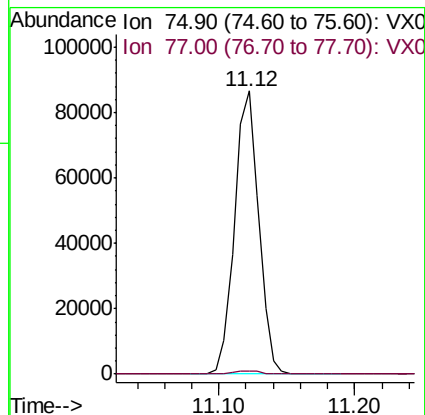
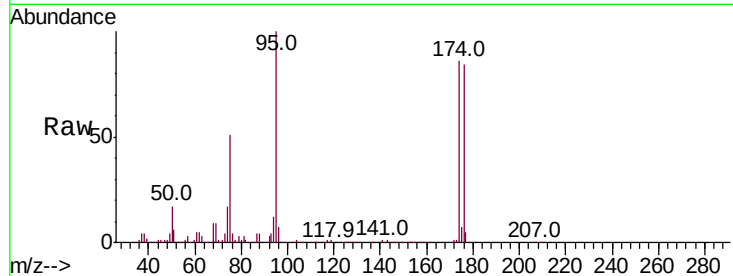
31S-20200629

Tot Ion: 75 Resp: 107143

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.205 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017201.D

Acq: 07 Jul 2020 14:21

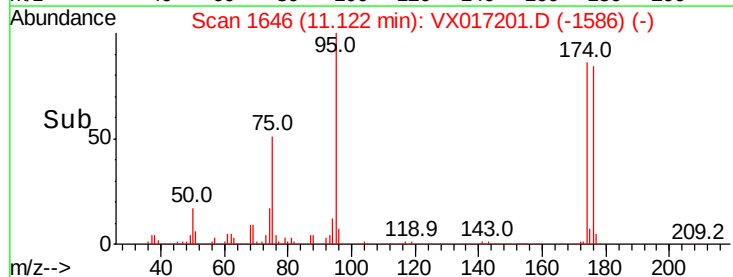
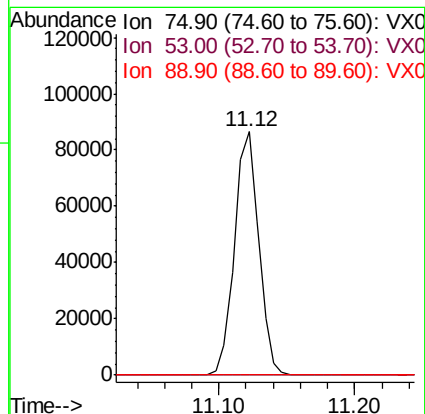
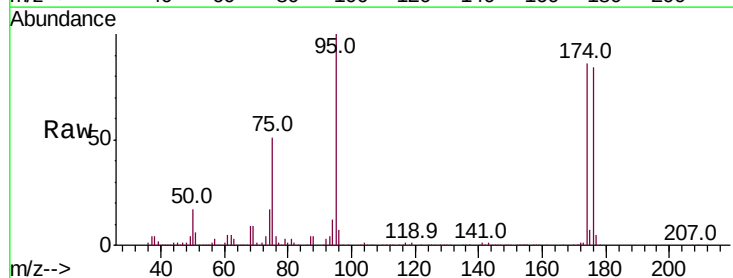
Tgt Ion: 75 Resp: 107143

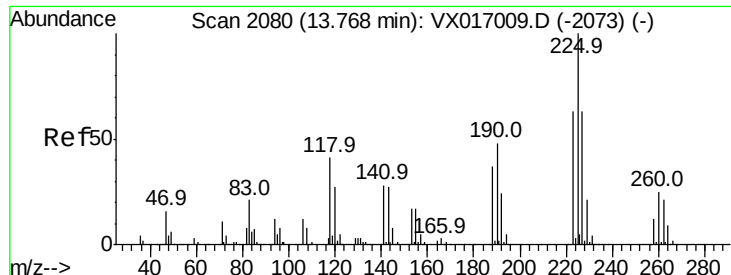
Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.1 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.886 ug/l

RT: 13.76 min Scan# 2078

Delta R.T. -0.01 min

Lab File: VX017201.D

Acq: 07 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

31S-20200629

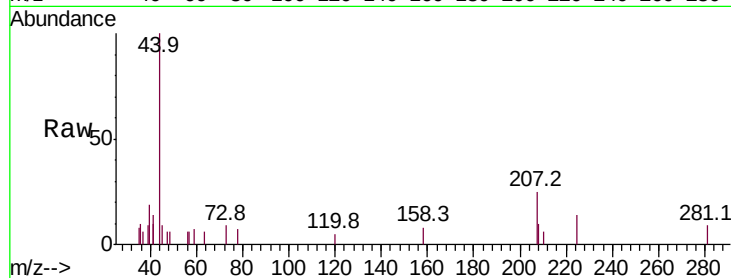
Tot Ion:225 Resp: 80

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

