

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\
 Data File : VX019552.D
 Acq On : 23 Nov 2020 15:52
 Operator : JC/MD
 Sample : L4798-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 48BR-20201118

Quant Time: Nov 24 00:32:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	315393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	513898	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	435498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	183610	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	189098	46.24	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.48%	
35) Dibromofluoromethane		5.46	113	152015	47.13	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.26%	
50) Toluene-d8		8.70	98	600605	47.91	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.82%	
62) 4-Bromofluorobenzene		11.12	95	201182	44.61	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.22%	

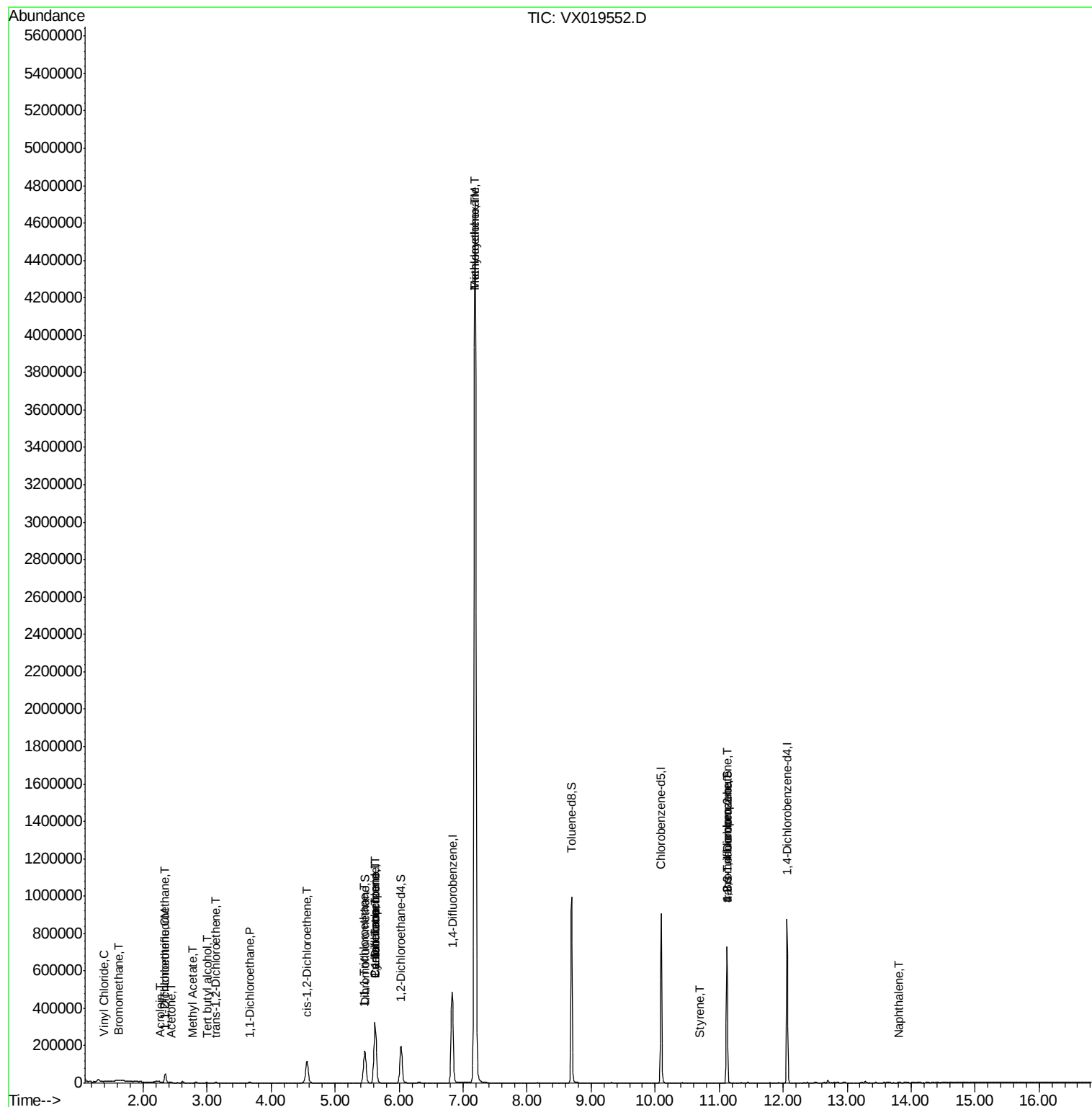
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	2661	0.702	ug/l #	67
5) Bromomethane	1.62	94	413	0.288	ug/l #	37
6) Chloroethane	1.70	64	467	Below Cal	#	63
9) 1,1,2-Trichlorotrifluoroet	2.35	101	3941	1.292	ug/l	99
11) Tert butyl alcohol	2.99	59	1245	1.609	ug/l #	73
12) 1,1-Dichloroethene	2.34	96	13471	4.302	ug/l	96
13) Acrolein	2.27	56	286	0.550	ug/l #	15
16) Acetone	2.43	43	1728	1.093	ug/l	90
18) Methyl Acetate	2.76	43	245	0.697	ug/l #	68
21) trans-1,2-Dichloroethene	3.14	96	1447	0.408	ug/l	98
24) 1,1-Dichloroethane	3.67	63	5476	0.882	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	78857	19.351	ug/l	91
31) Cyclohexane	5.62	56	6091	1.145	ug/l #	1
32) 1,1,1-Trichloroethane	5.45	97	1346	0.241	ug/l #	45
36) 1,1-Dichloropropene	5.62	75	23616	4.902	ug/l #	50
38) Carbon Tetrachloride	5.62	117	31092	6.667	ug/l #	16
39) Methylcyclohexane	7.19	83	21262	3.790	ug/l #	1
44) Trichloroethene	7.18	130	1868756	481.961	ug/l	98
70) Styrene	10.70	104	21	1.648	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	99001	24.707	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	99001	65.315	ug/l #	12
95) Naphthalene	13.82	128	399	2.206	ug/l #	23

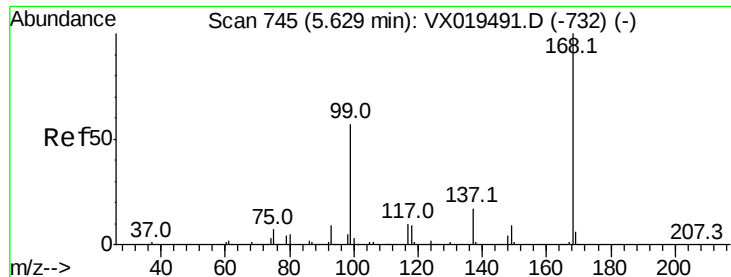
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112320\
Data File : VX019552.D
Acq On : 23 Nov 2020 15:52
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Quant Time: Nov 24 00:32:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019552.D

Acq: 23 Nov 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

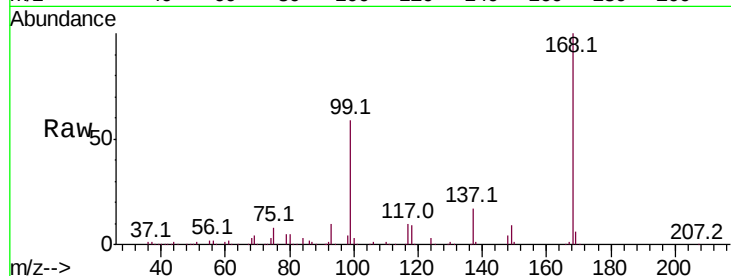
48BR-20201118

Tot Ion:168 Resp: 315393

Ion Ratio Lower Upper

168 100

99 58.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

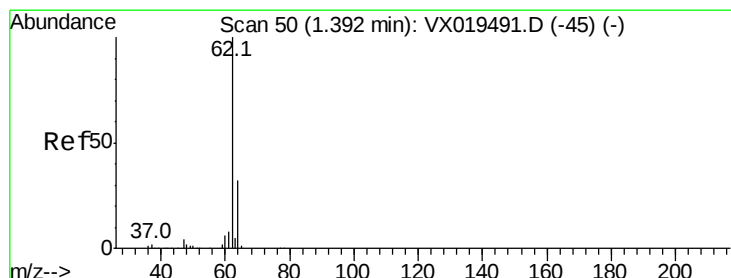
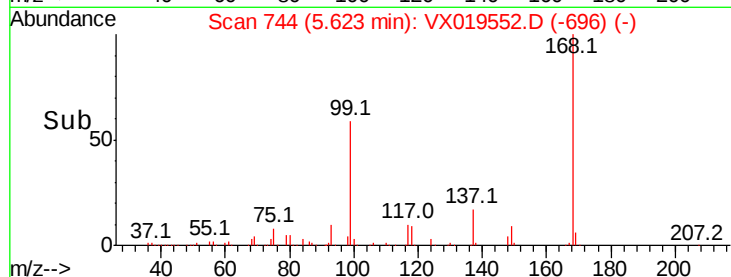
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 0.702 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019552.D

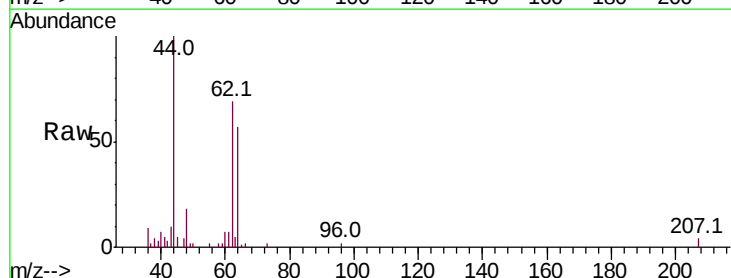
Acq: 23 Nov 2020 15:52

Tgt Ion: 62 Resp: 2661

Ion Ratio Lower Upper

62 100

64 49.9 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

3000

2500

2000

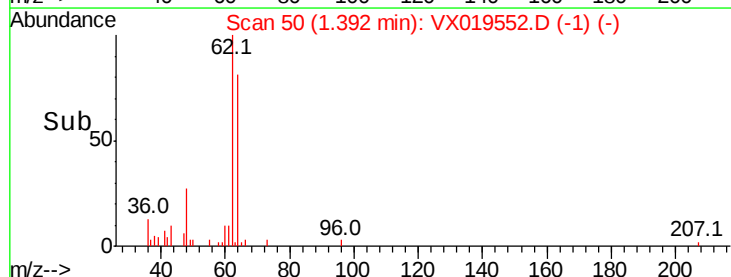
1500

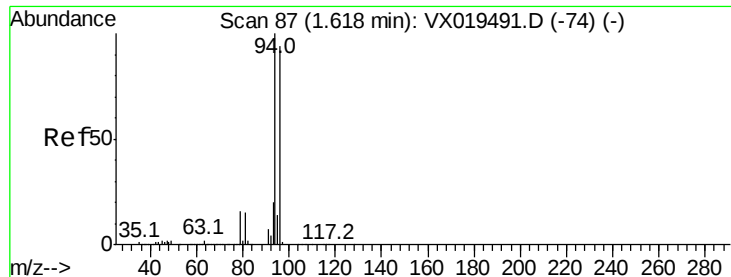
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.288 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019552.D

Acq: 23 Nov 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

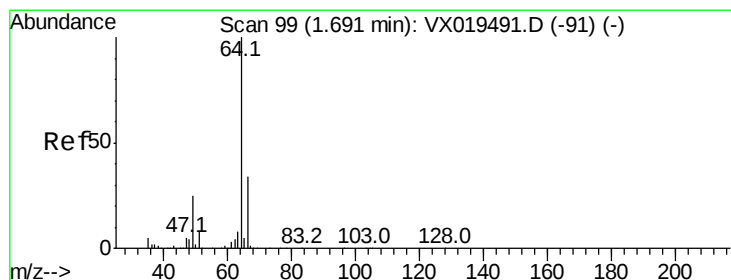
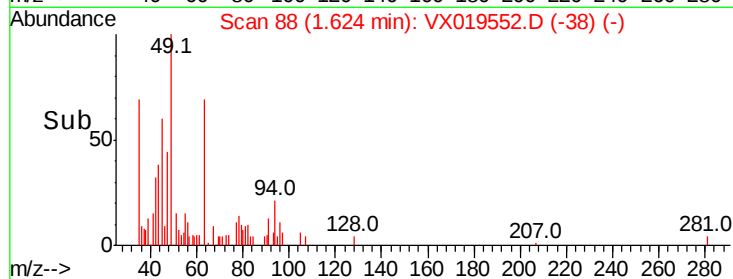
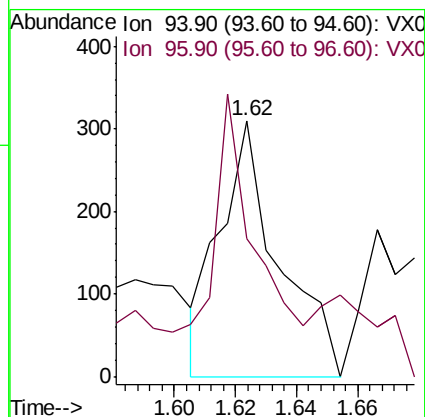
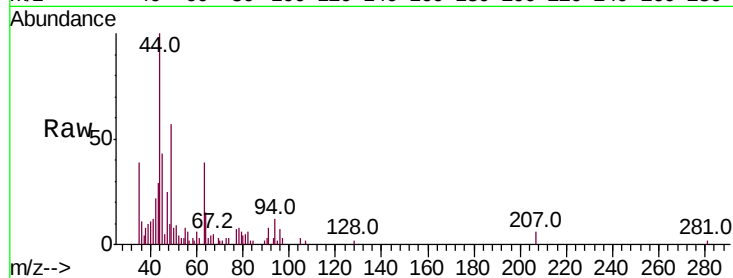
48BR-20201118

Tot Ion: 94 Resp: 413

Ion Ratio Lower Upper

94 100

96 33.5 75.6 113.4#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX019552.D

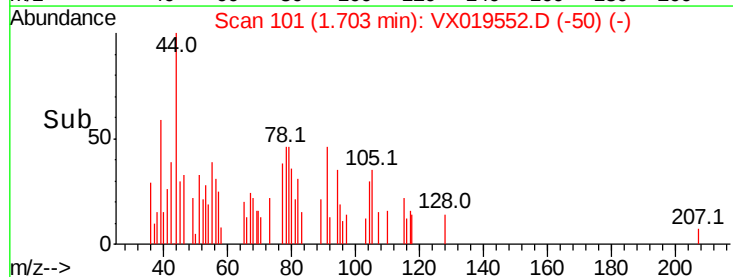
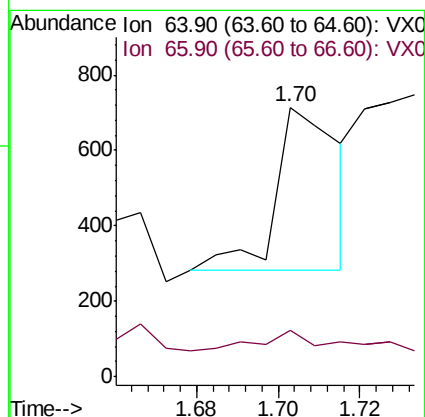
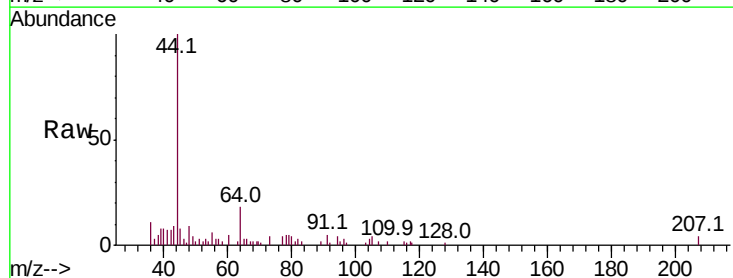
Acq: 23 Nov 2020 15:52

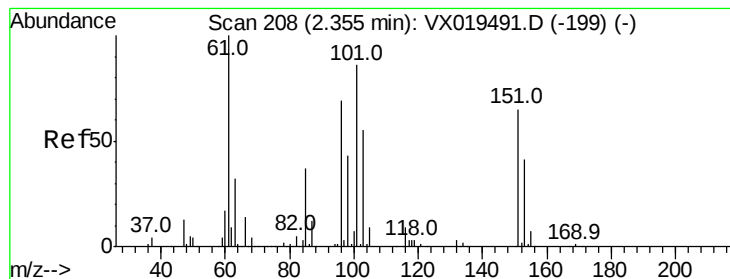
Tgt Ion: 64 Resp: 467

Ion Ratio Lower Upper

64 100

66 12.7 27.1 40.7#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.292 ug/l

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX019552.D

Acq: 23 Nov 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

48BR-20201118

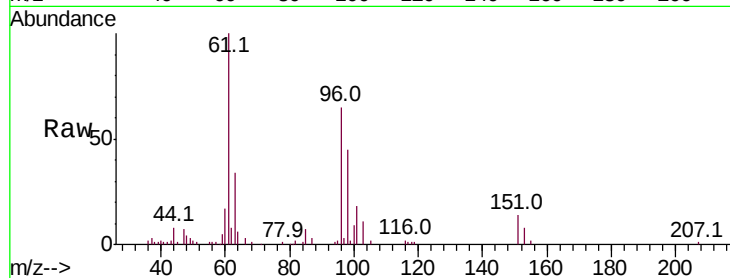
Tot Ion:101 Resp: 3941

Ion Ratio Lower Upper

101 100

85 41.9 33.9 50.9

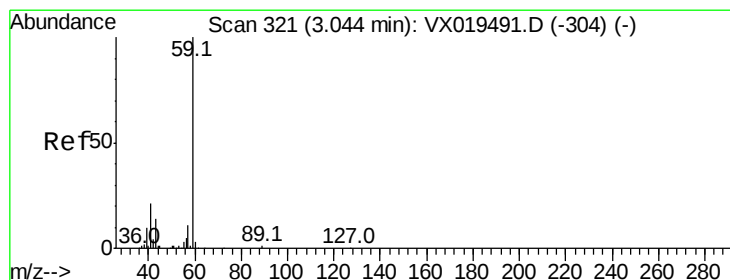
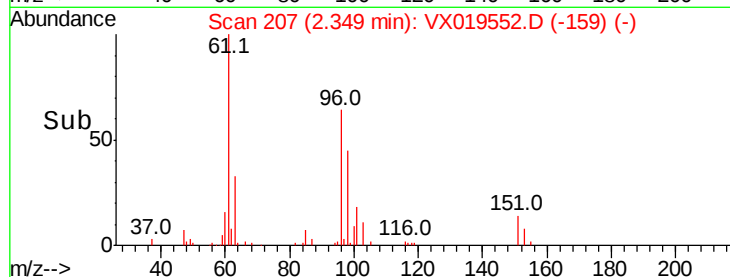
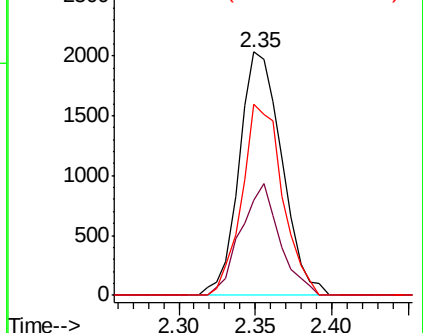
151 74.6 60.9 91.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 1.609 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.05 min

Lab File: VX019552.D

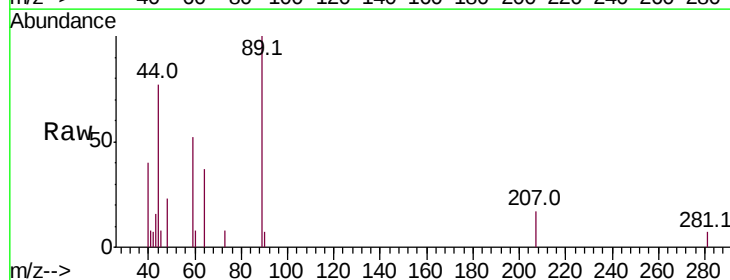
Acq: 23 Nov 2020 15:52

Tgt Ion: 59 Resp: 1245

Ion Ratio Lower Upper

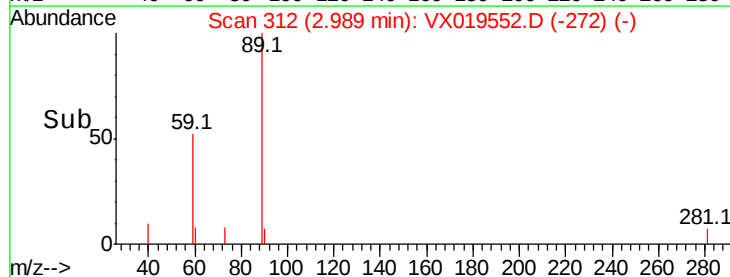
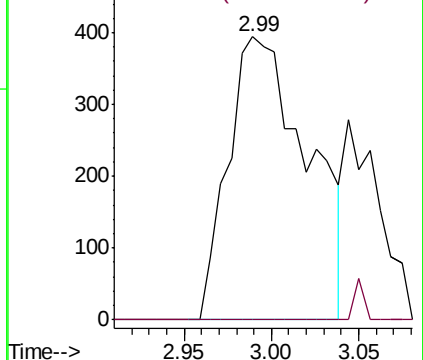
59 100

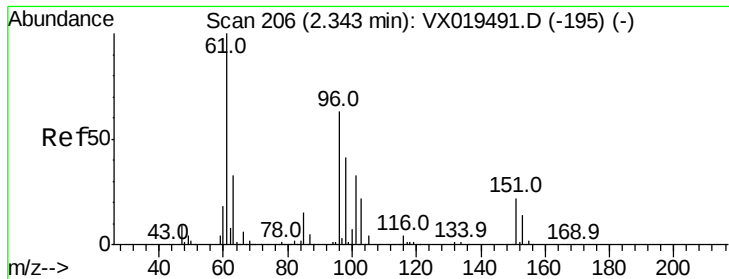
57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

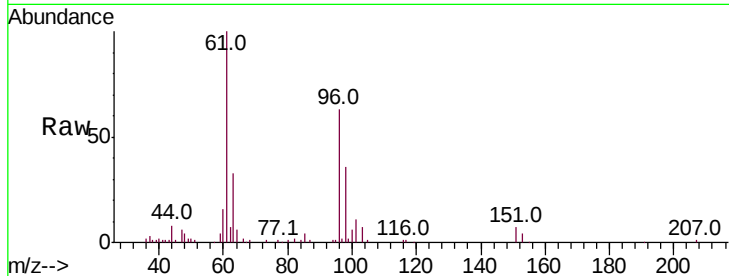




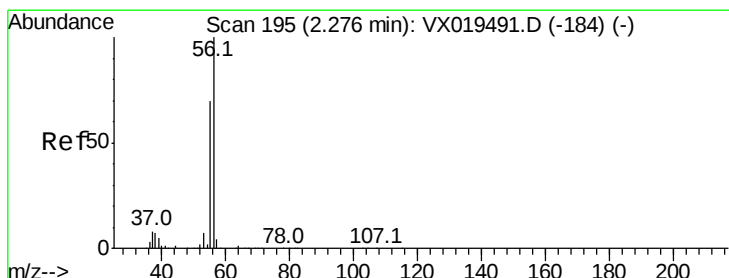
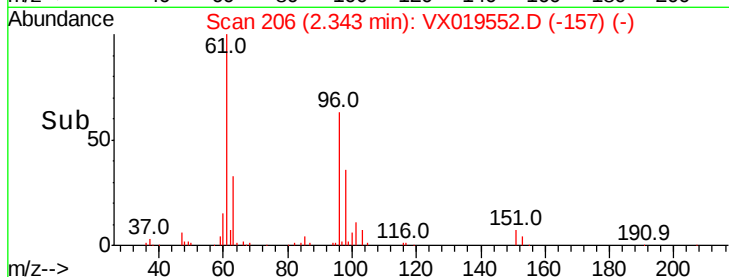
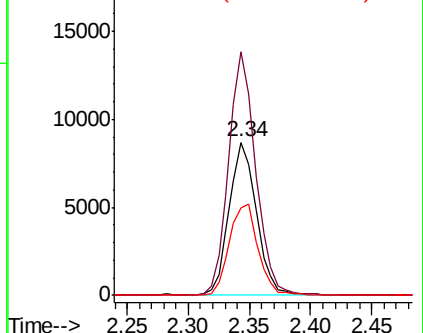
#12
 1,1-Dichloroethene
 Concen: 4.302 ug/l
 RT: 2.34 min Scan# 206
 Delta R.T. -0.00 min
 Lab File: VX019552.D
 Acq: 23 Nov 2020 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 48BR-20201118

Tot Ion: 96 Resp: 13471
 Ion Ratio Lower Upper
 96 100
 61 159.0 126.0 189.0
 98 57.2 52.0 78.0

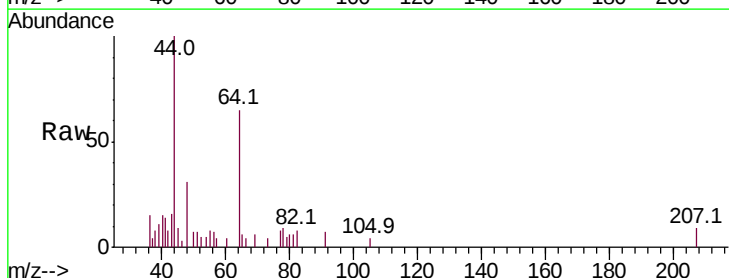


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

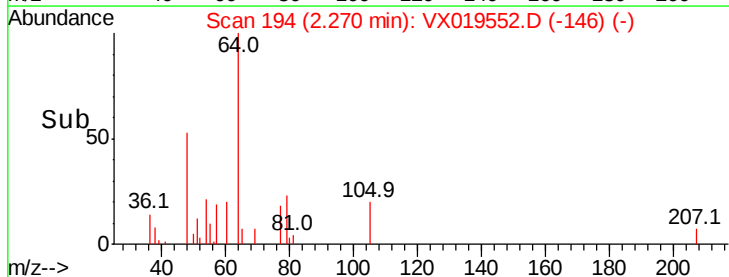
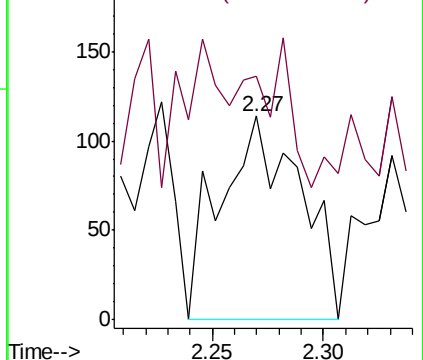


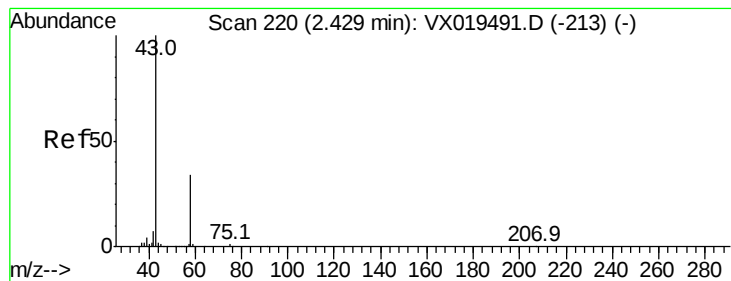
#13
 Acrolein
 Concen: 0.550 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.01 min
 Lab File: VX019552.D
 Acq: 23 Nov 2020 15:52

Tgt Ion: 56 Resp: 286
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.5 83.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.093 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019552.D

Acq: 23 Nov 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

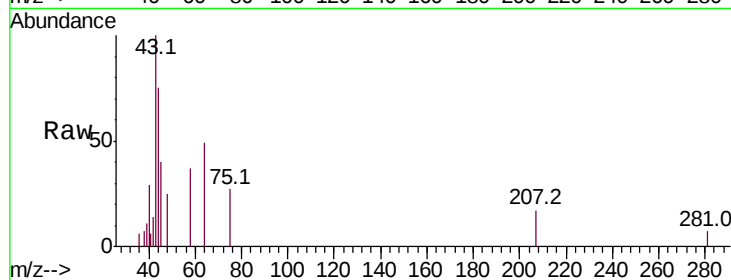
48BR-20201118

Tot Ion: 43 Resp: 1728

Ion Ratio Lower Upper

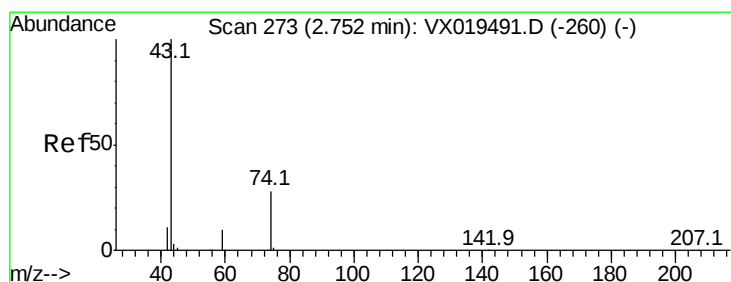
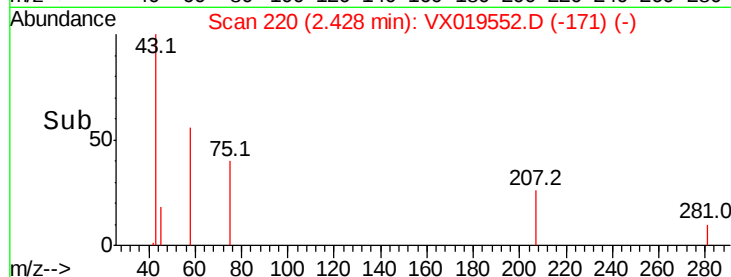
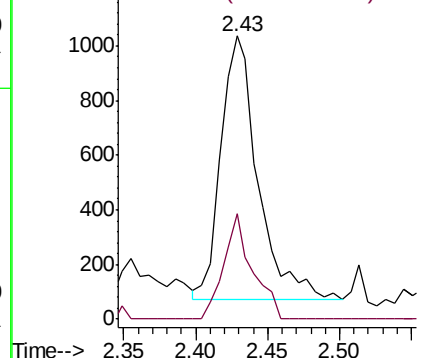
43 100

58 39.9 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.697 ug/l

RT: 2.76 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX019552.D

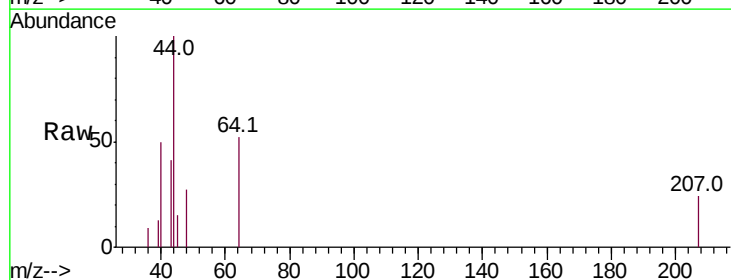
Acq: 23 Nov 2020 15:52

Tgt Ion: 43 Resp: 245

Ion Ratio Lower Upper

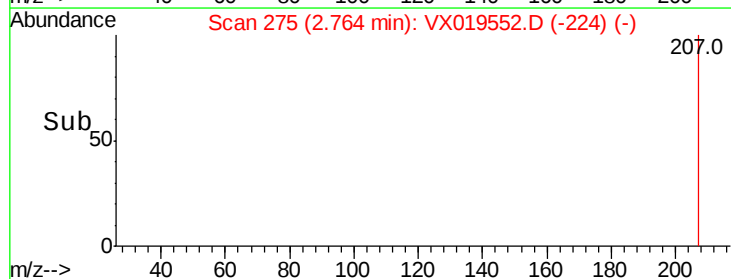
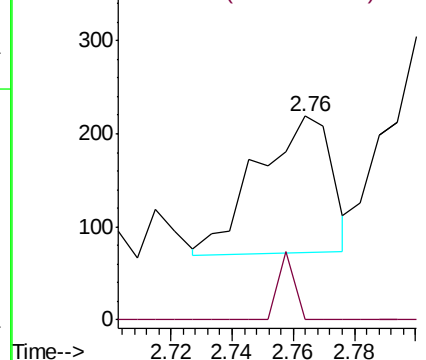
43 100

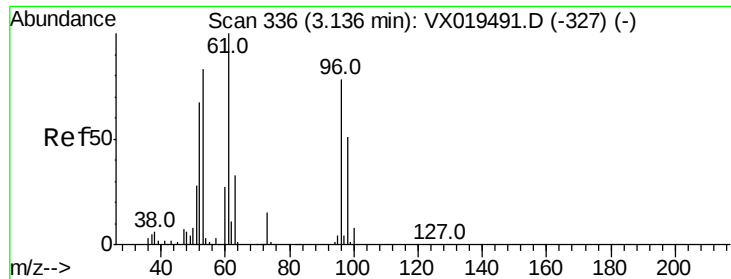
74 11.0 22.2 33.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.408 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX019552.D

Acq: 23 Nov 2020 15:52

Instrument :

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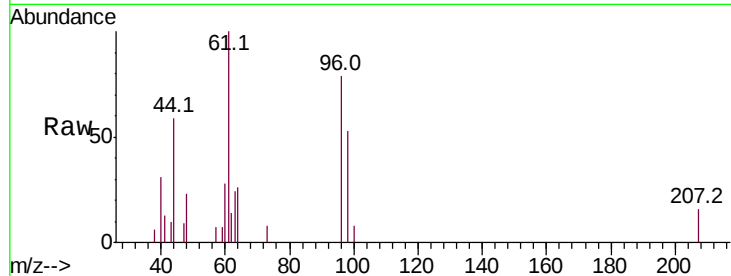
Tot Ion: 96 Resp: 1447

Ion Ratio Lower Upper

96 100

61 126.3 102.9 154.3

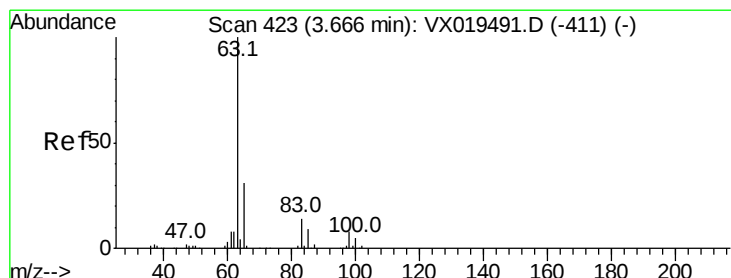
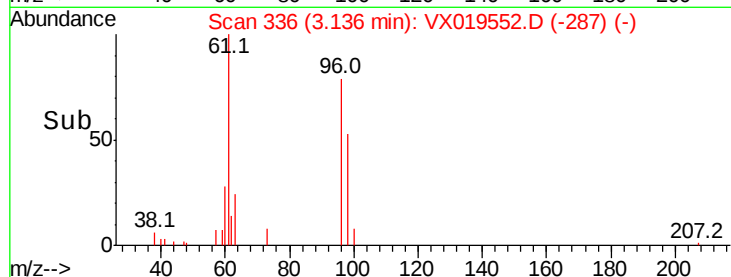
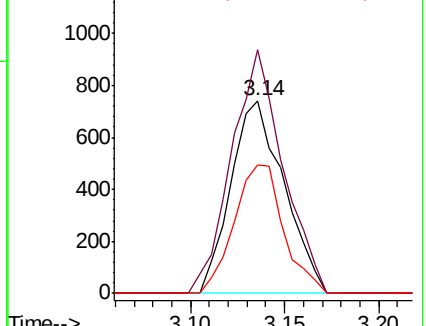
98 66.6 52.1 78.1



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



#24

1,1-Dichloroethane

Concen: 0.882 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019552.D

Acq: 23 Nov 2020 15:52

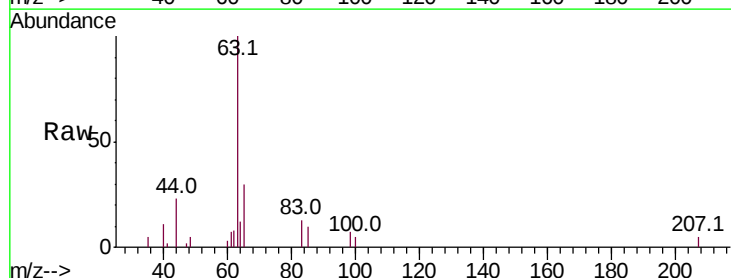
Tgt Ion: 63 Resp: 5476

Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.7

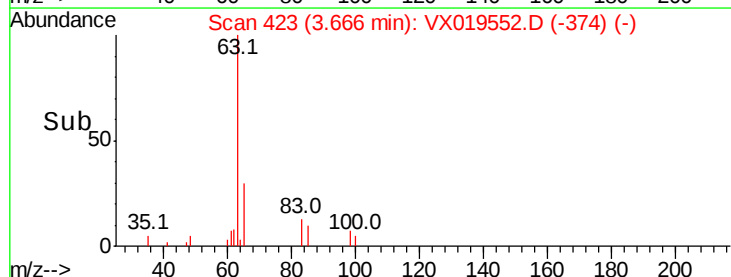
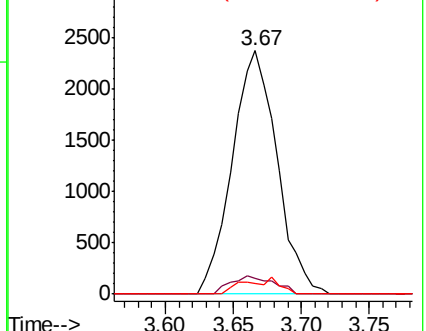
100 4.5 2.4 7.1

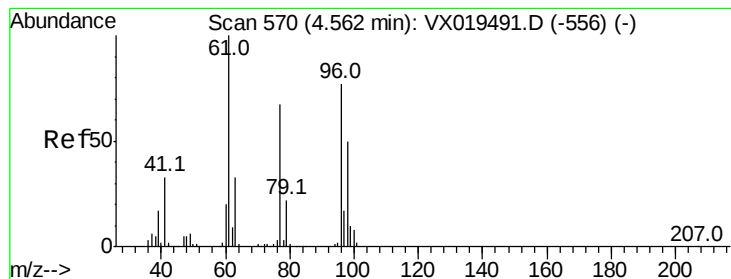


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 19.351 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX019552.D

Acq: 23 Nov 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

48BR-20201118

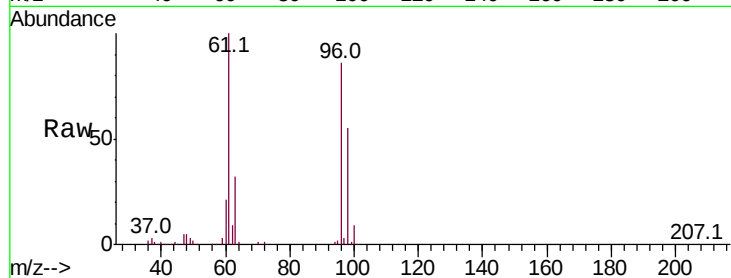
Tot Ion: 96 Resp: 78857

Ion Ratio Lower Upper

96 100

61 124.3 0.0 279.2

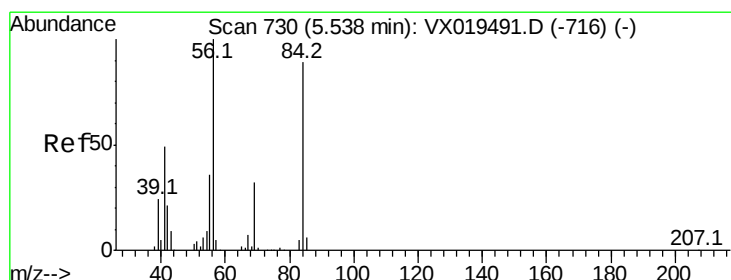
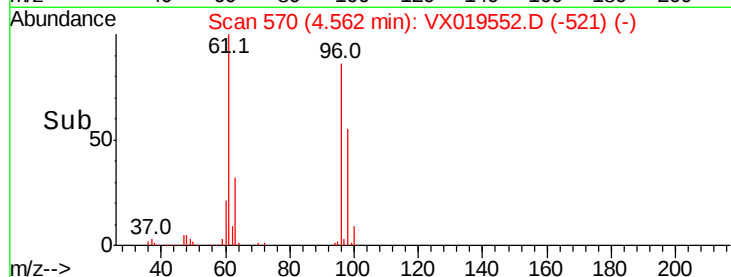
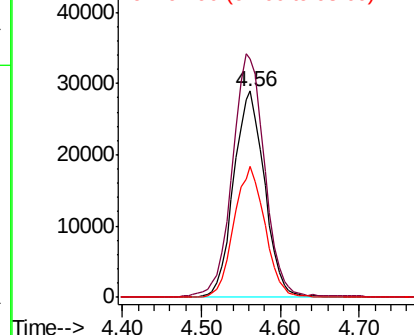
98 63.7 0.0 129.8



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



#31

Cyclohexane

Concen: 1.145 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019552.D

Acq: 23 Nov 2020 15:52

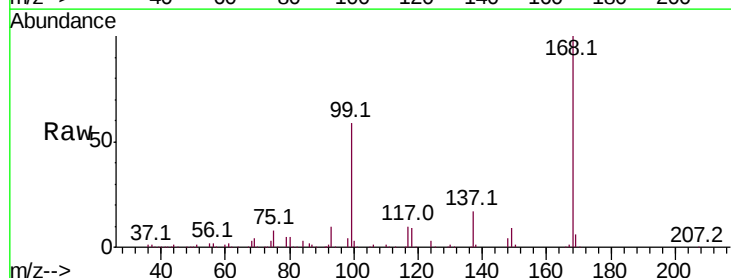
Tgt Ion: 56 Resp: 6091

Ion Ratio Lower Upper

56 100

69 172.6 25.5 38.3#

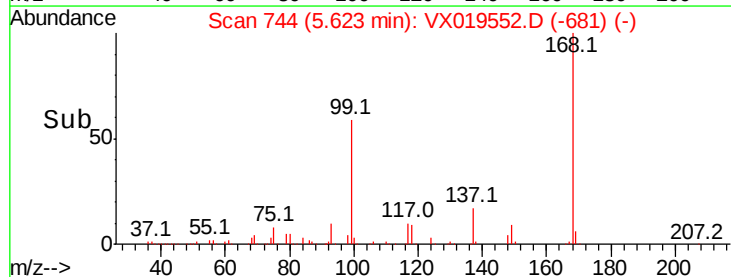
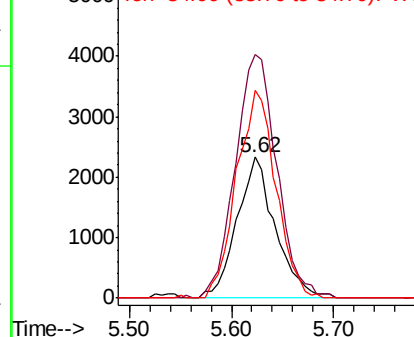
84 147.0 71.1 106.7#

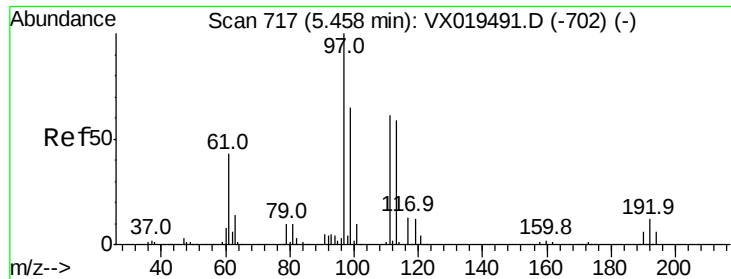


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#32

1,1,1-Trichloroethane

Concen: 0.241 ug/l

RT: 5.45 min Scan# 716

Delta R.T. -0.01 min

Lab File: VX019552.D

Acq: 23 Nov 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

48BR-20201118

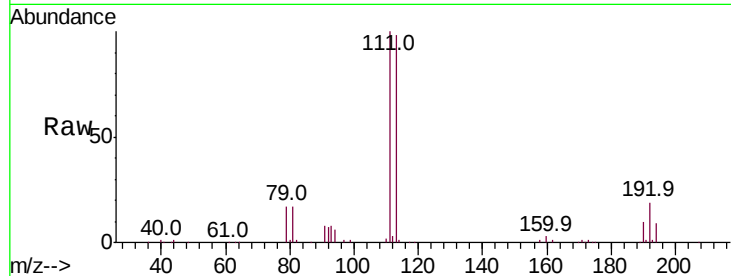
Tot Ion: 97 Resp: 1346

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

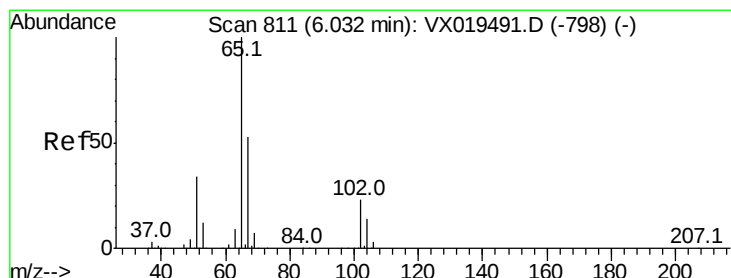
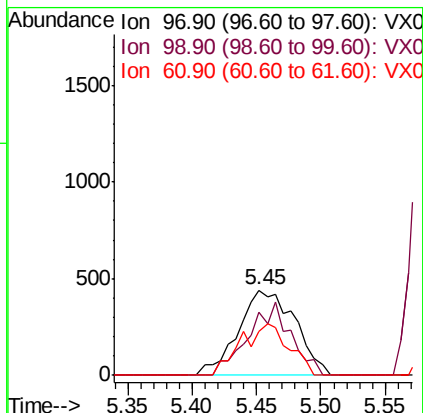
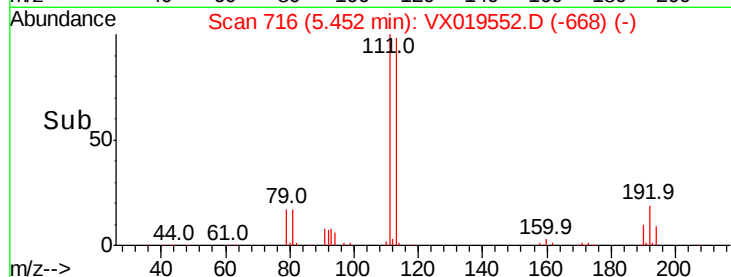
61 51.3 34.2 51.2#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.242 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019552.D

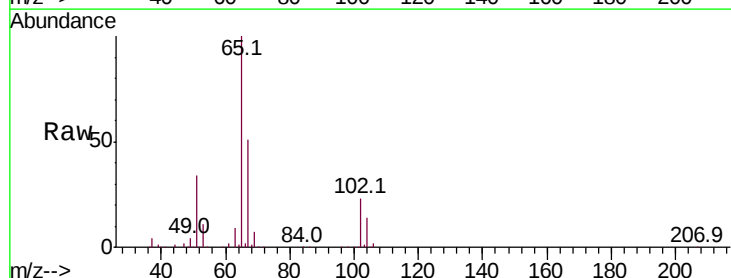
Acq: 23 Nov 2020 15:52

Tgt Ion: 65 Resp: 189098

Ion Ratio Lower Upper

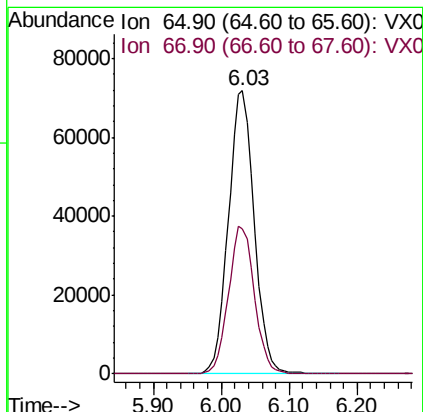
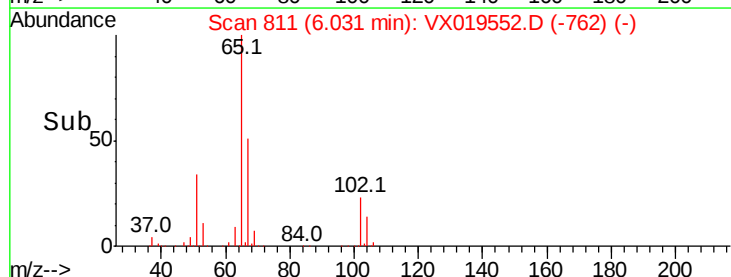
65 100

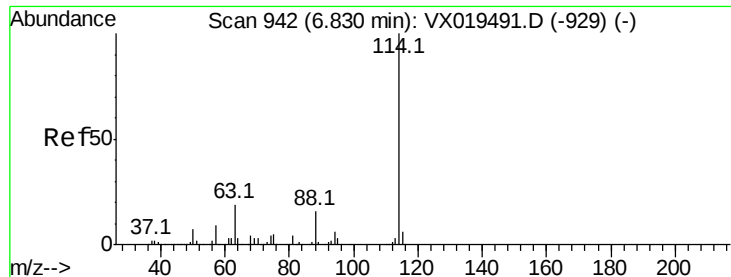
67 52.4 0.0 105.0



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: VX019552.D

Acq: 23 Nov 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

48BR-20201118

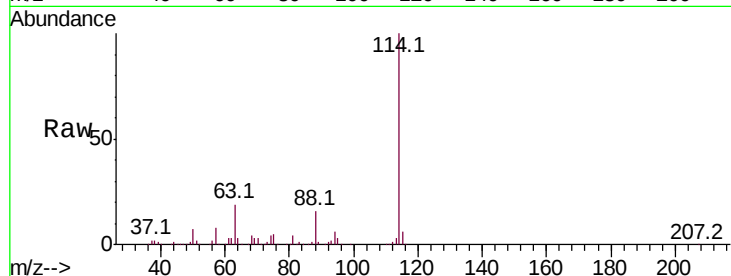
Tot Ion:114 Resp: 513898

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

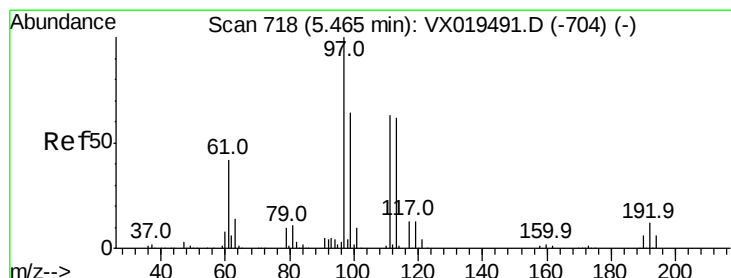
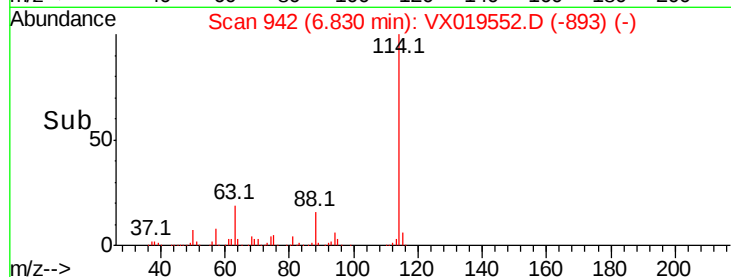
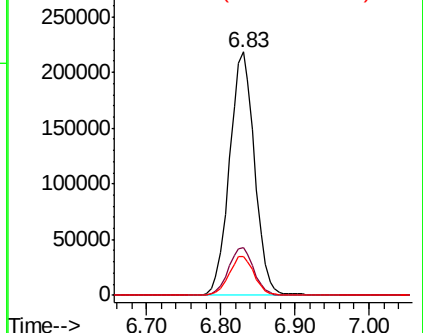
88 15.9 0.0 31.6



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: 47.126 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019552.D

Acq: 23 Nov 2020 15:52

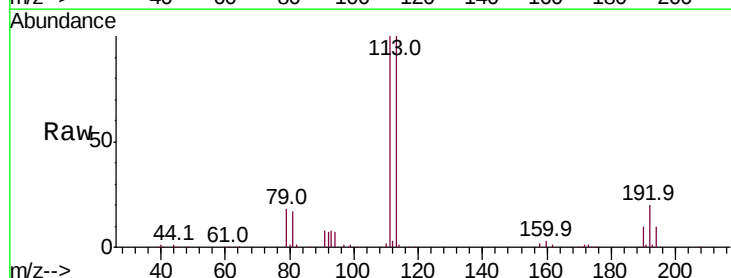
Tgt Ion:113 Resp: 152015

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

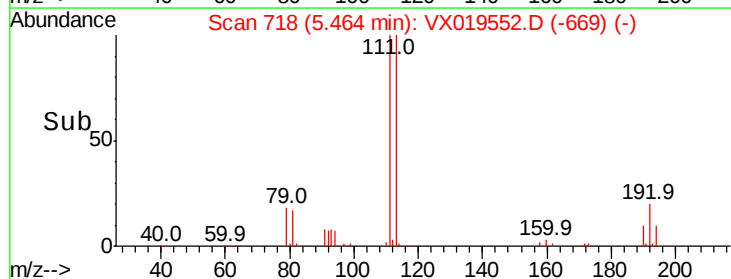
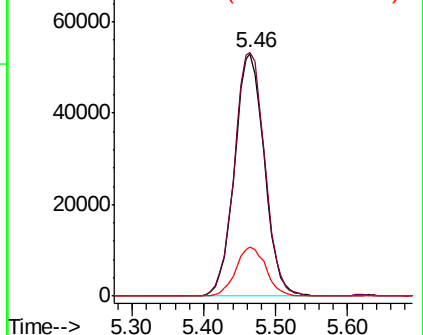
192 20.4 16.2 24.2

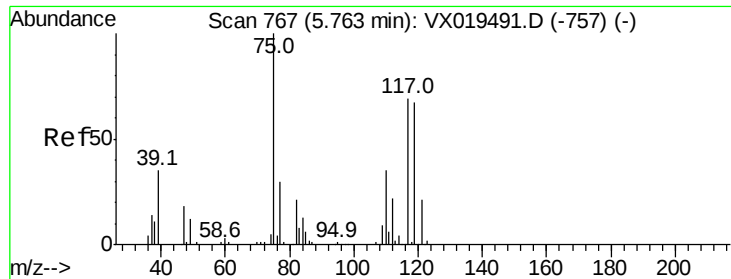


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

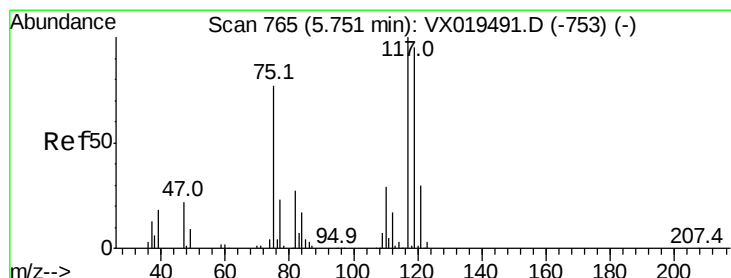
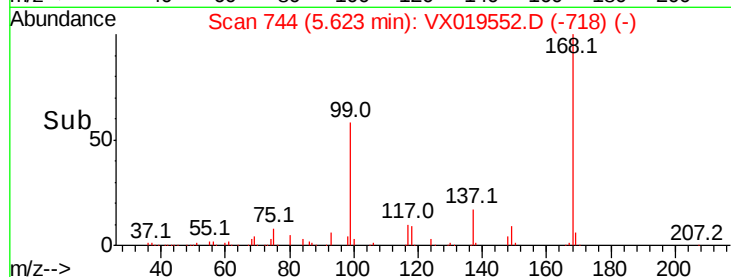
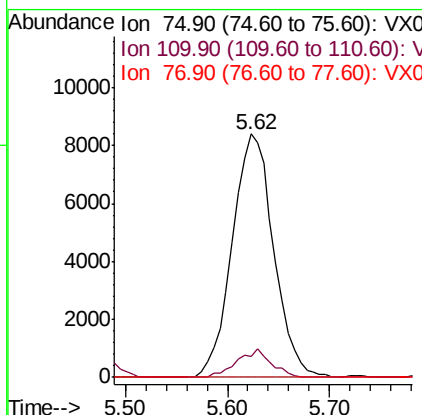
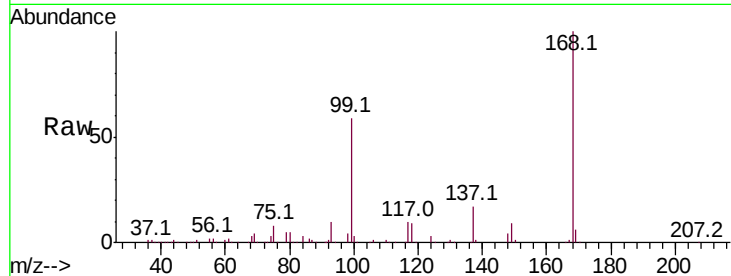




#36
 1,1-Dichloropropene
 Concen: 4.902 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019552.D
 Acq: 23 Nov 2020 15:52

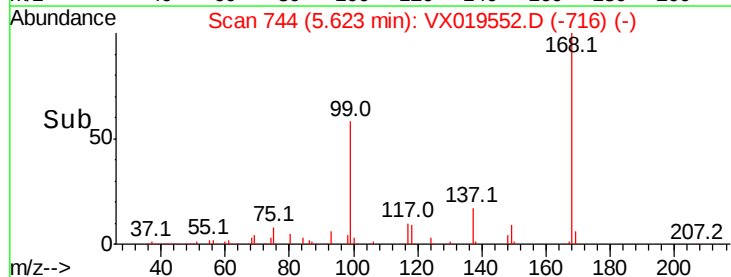
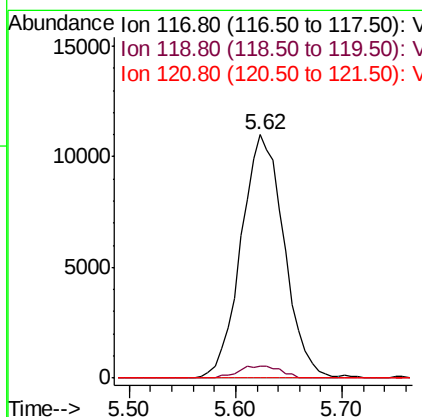
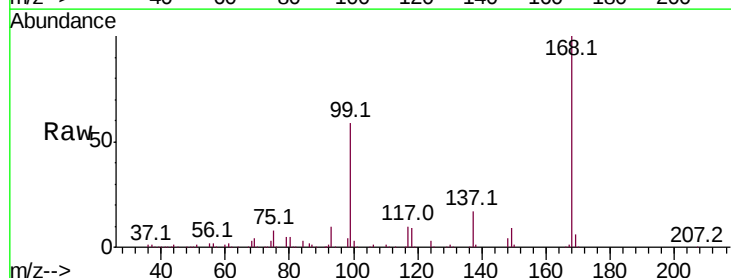
Instrument :
 MSVOA_X
 ClientSampleId :
 48BR-20201118

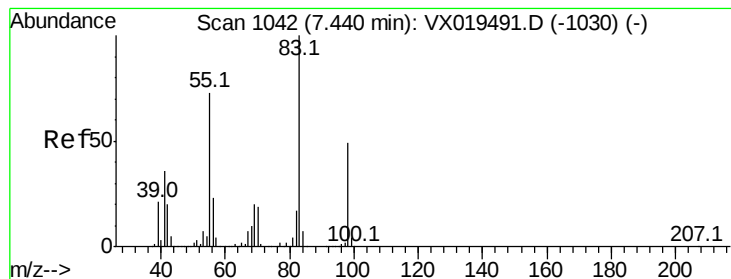
Tot Ion: 75 Resp: 23616
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.1 54.3#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.667 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX019552.D
 Acq: 23 Nov 2020 15:52

Tgt Ion: 117 Resp: 31092
 Ion Ratio Lower Upper
 117 100
 119 4.7 75.9 113.9#
 121 0.0 24.0 36.0#





#39

Methvlcvclohexane

Concen: 3.790 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.25 min

Lab File: VX019552.D

Acq: 23 Nov 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

48BR-20201118

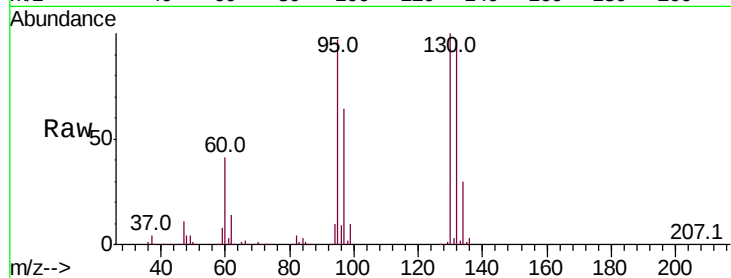
Tot Ion: 83 Resp: 21262

Ion Ratio Lower Upper

83 100

55 0.0 58.3 87.5#

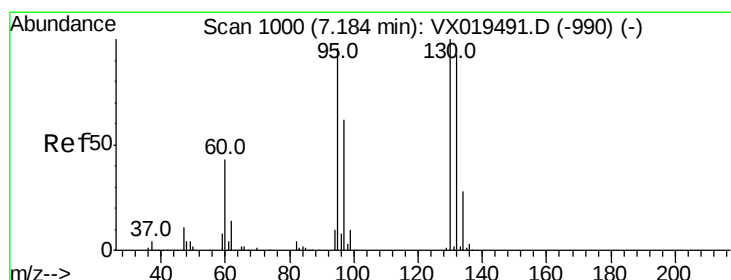
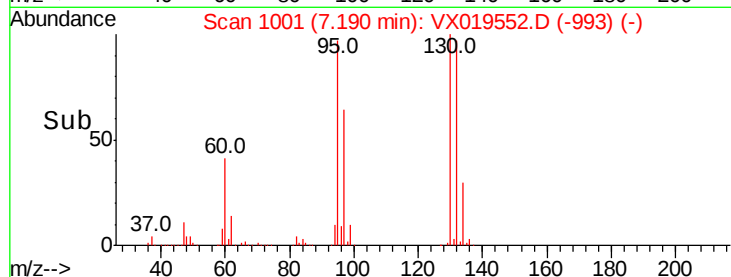
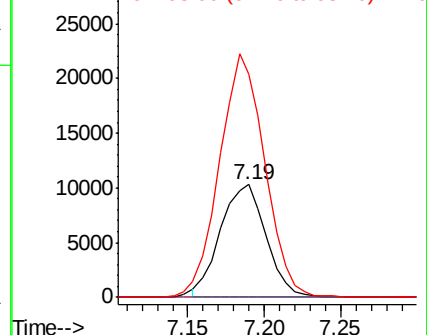
98 198.0 38.9 58.3#



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#44

Trichloroethene

Concen: 481.961 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019552.D

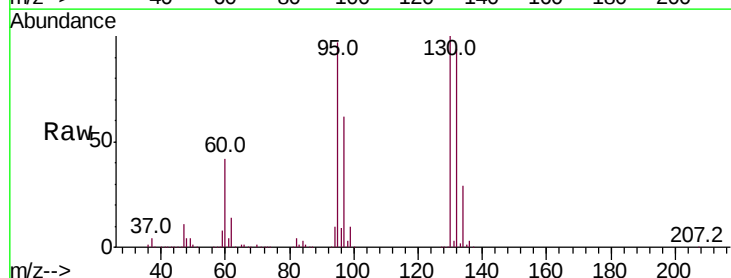
Acq: 23 Nov 2020 15:52

Tgt Ion:130 Resp: 1868756

Ion Ratio Lower Upper

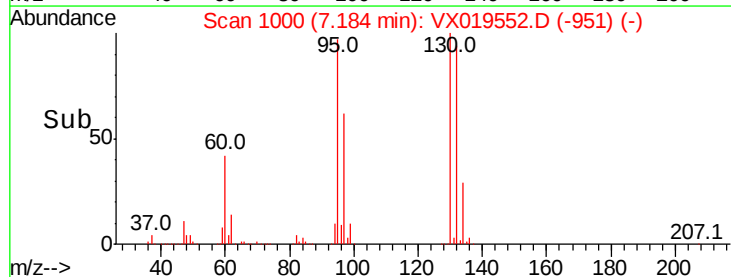
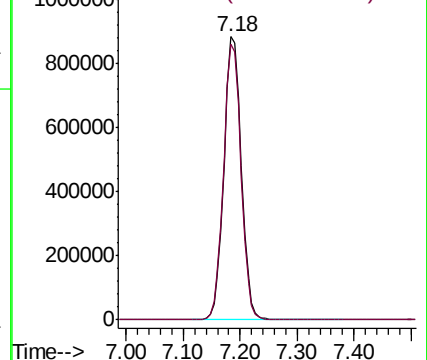
130 100

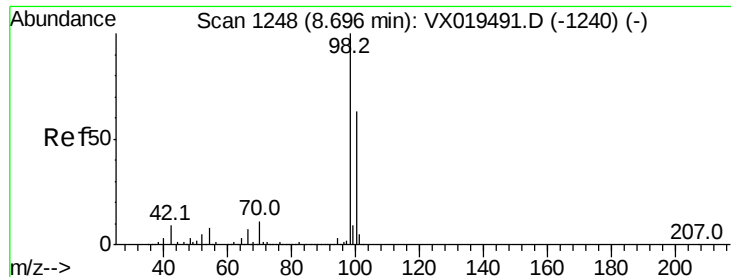
95 97.4 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

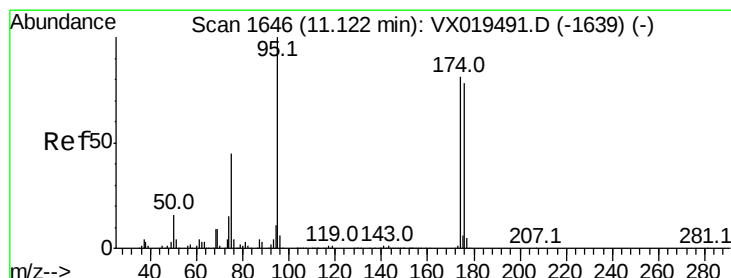
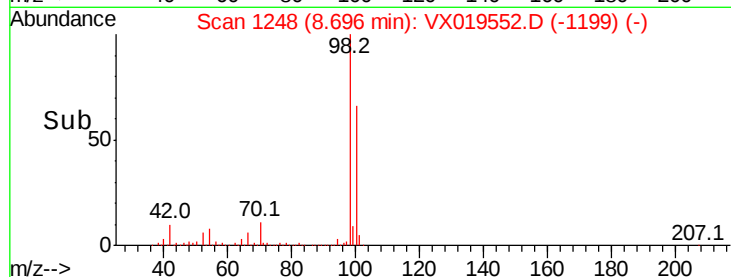
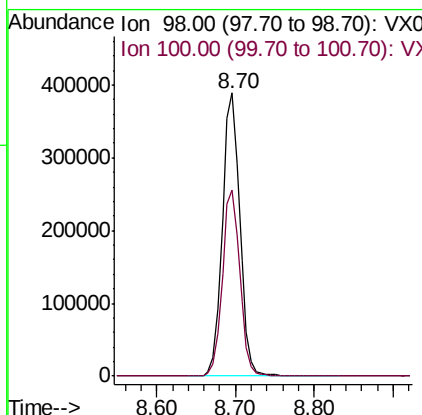
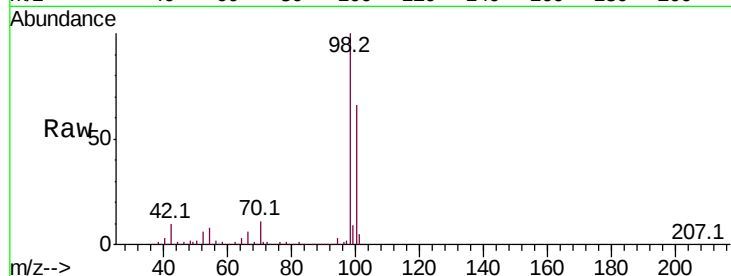




#50
Toluene-d8
Concen: 47.915 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019552.D
Acq: 23 Nov 2020 15:52

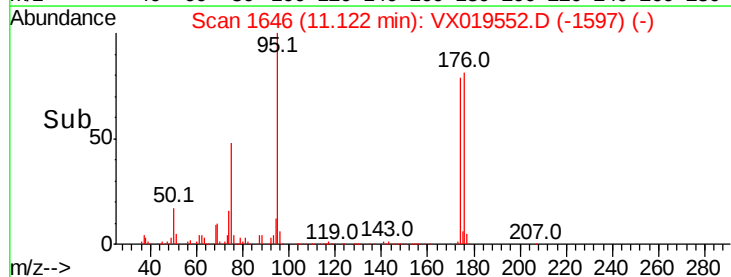
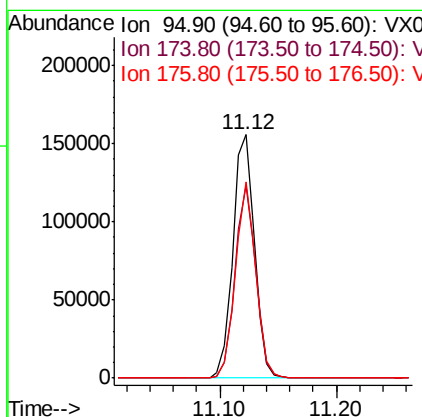
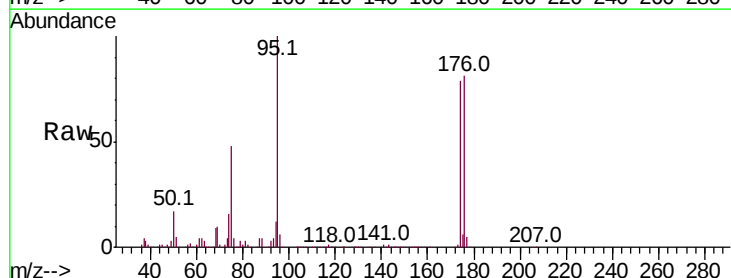
Instrument :
MSVOA_X
ClientSampleId :
48BR-20201118

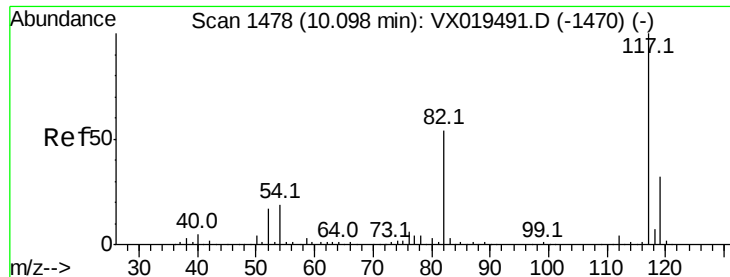
Tot Ion: 98 Resp: 600605
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 44.609 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019552.D
Acq: 23 Nov 2020 15:52

Tgt Ion: 95 Resp: 201182
Ion Ratio Lower Upper
95 100
174 76.3 0.0 156.2
176 75.8 0.0 151.4

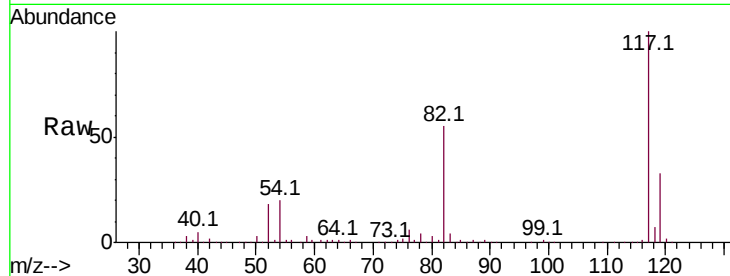




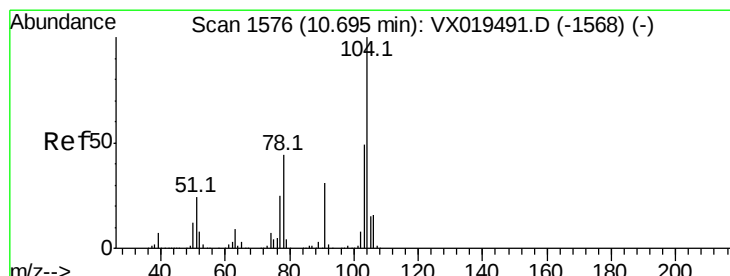
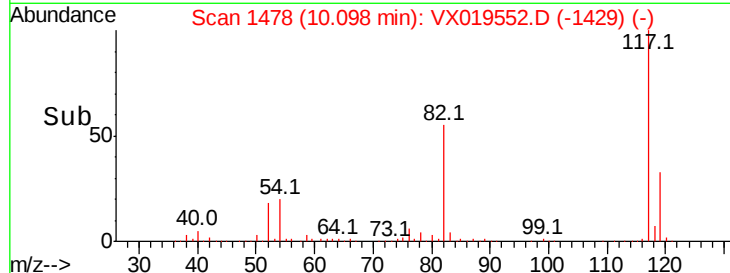
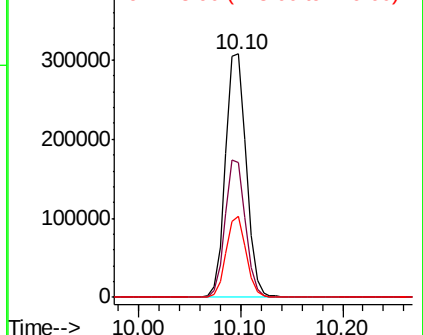
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019552.D
Acq: 23 Nov 2020 15:52

Instrument :
MSVOA_X
ClientSampleId :
48BR-20201118

Tot Ion:117 Resp: 435498
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 33.0 25.6 38.4

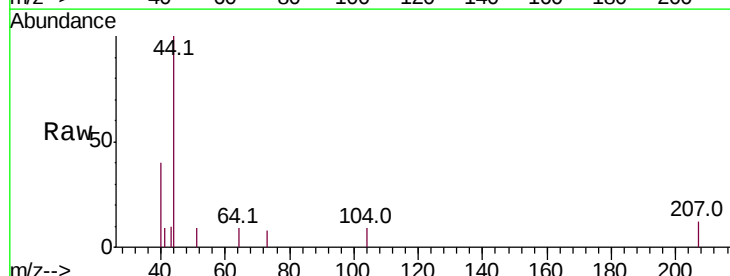


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

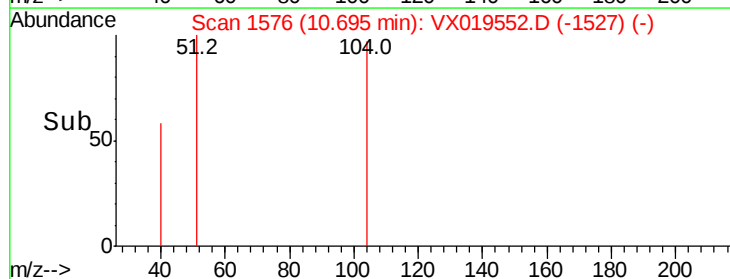
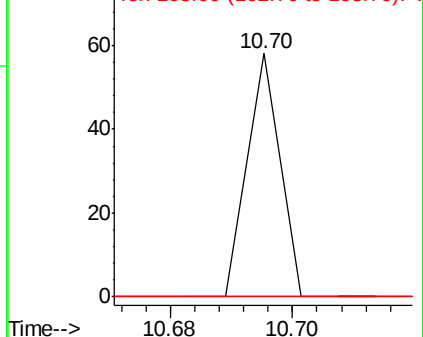


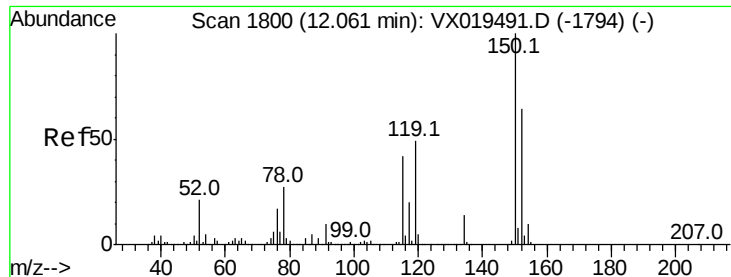
#70
Styrene
Concen: 1.648 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019552.D
Acq: 23 Nov 2020 15:52

Tgt Ion:104 Resp: 21
Ion Ratio Lower Upper
104 100
78 0.0 39.5 59.3#
103 0.0 43.6 65.4#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019552.D

Acq: 23 Nov 2020 15:52

Instrument :

MSVOA_X

ClientSampleId :

48BR-20201118

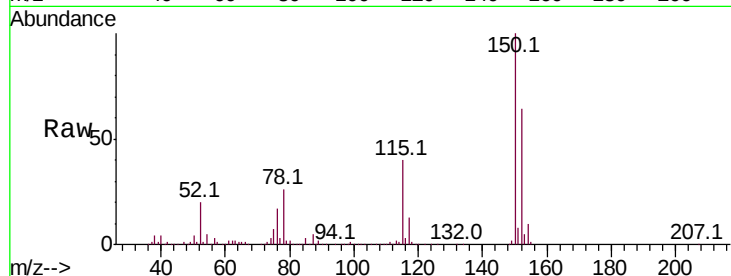
Tot Ion:152 Resp: 183610

Ion Ratio Lower Upper

152 100

115 60.4 41.8 125.4

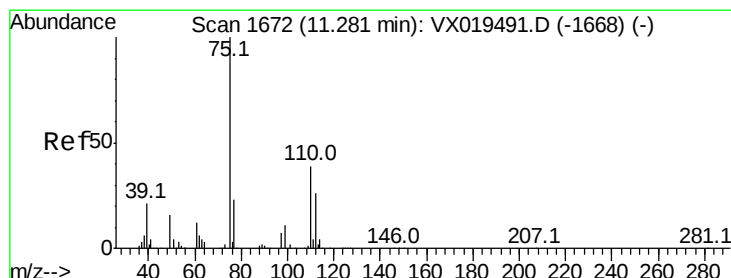
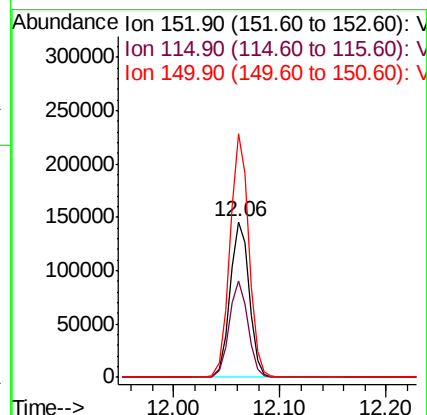
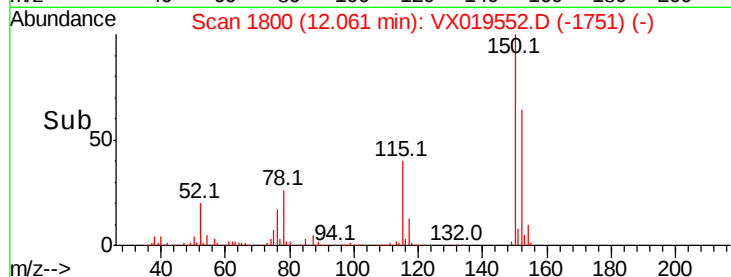
150 153.9 0.0 348.2



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: 24.707 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019552.D

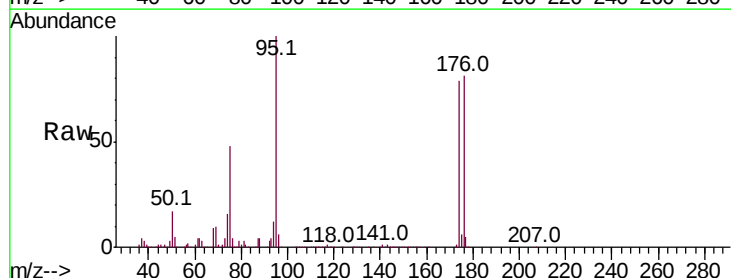
Acq: 23 Nov 2020 15:52

Tgt Ion: 75 Resp: 99001

Ion Ratio Lower Upper

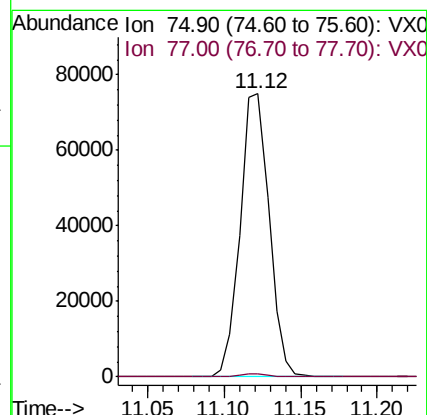
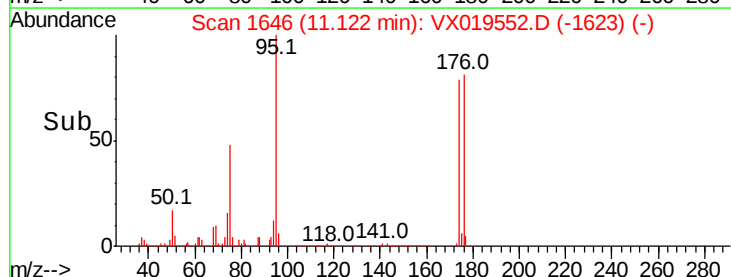
75 100

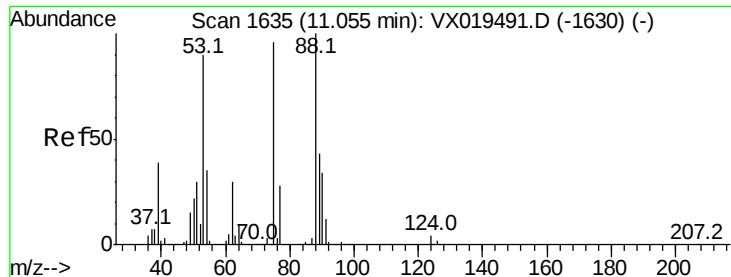
77 1.0 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

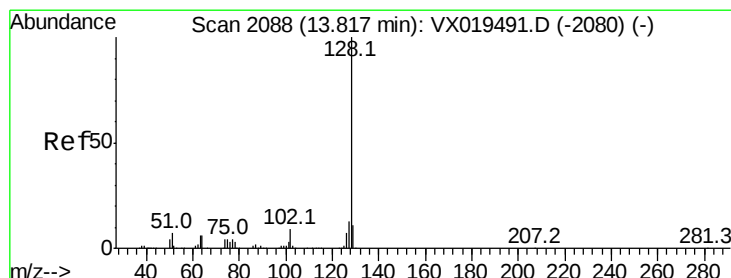
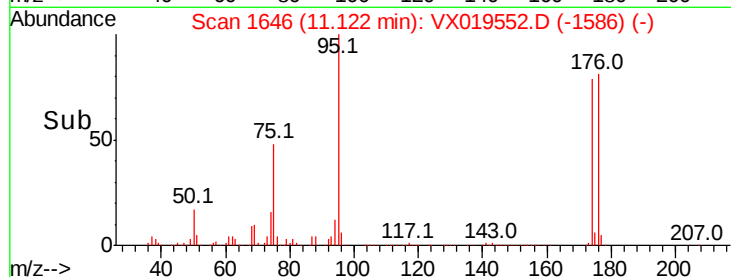
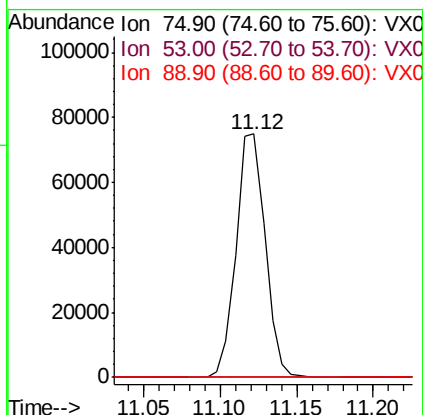
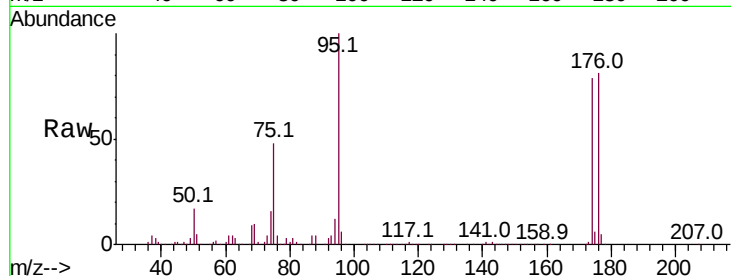




#81
trans-1,4-Dichloro-2-butene
Concen: 65.315 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019552.D
Acq: 23 Nov 2020 15:52

Instrument :
MSVOA_X
ClientSampleId :
48BR-20201118

Tot Ion: 75 Resp: 99001
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.3 55.9#



#95
Naphthalene
Concen: 2.206 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019552.D
Acq: 23 Nov 2020 15:52

Tgt Ion: 128 Resp: 399
Ion Ratio Lower Upper
128 100
127 46.4 10.3 15.5#
129 37.1 8.7 13.1#

