

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112520\
 Data File : VX019661.D
 Acq On : 25 Nov 2020 17:05
 Operator : JC/MD
 Sample : L4835-27
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20201119

Quant Time: Nov 26 05:00:25 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	5.63	168	302666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	502707	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	445663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	181936	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	190781	48.62	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.24%	
35) Dibromofluoromethane		5.46	113	150926	47.83	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.66%	
50) Toluene-d8		8.70	98	597872	48.76	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.52%	
62) 4-Bromofluorobenzene		11.12	95	203223	46.06	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.12%	

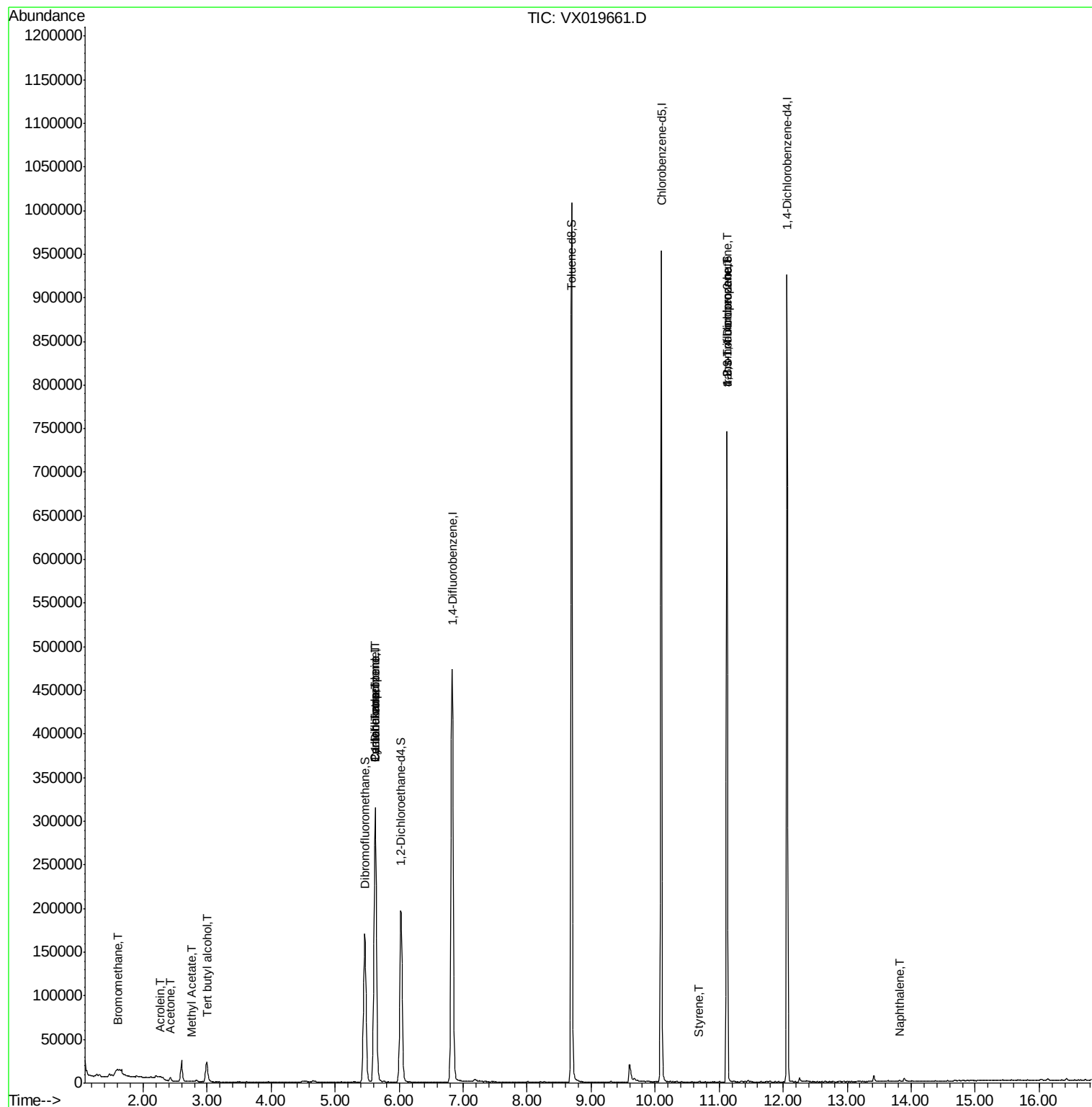
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	511	0.371	ug/l #	54
6) Chloroethane	1.69	64	974	Below Cal		94
11) Tert butyl alcohol	3.00	59	14340	19.308	ug/l #	77
13) Acrolein	2.28	56	107	0.214	ug/l #	69
16) Acetone	2.42	43	4002	2.637	ug/l	92
18) Methyl Acetate	2.76	43	692	0.818	ug/l #	88
31) Cyclohexane	5.62	56	5972	1.170	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22788	4.835	ug/l #	50
38) Carbon Tetrachloride	5.63	117	29879	6.550	ug/l #	16
70) Styrene	10.69	104	142	1.659	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	100408	25.289	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	100408	66.753	ug/l #	12
95) Naphthalene	13.82	128	939	2.245	ug/l #	88

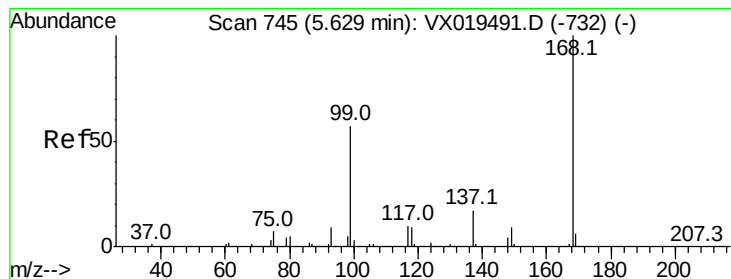
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019661.D

Acq: 25 Nov 2020 17:05

Instrument :

MSVOA_X

ClientSampleId :

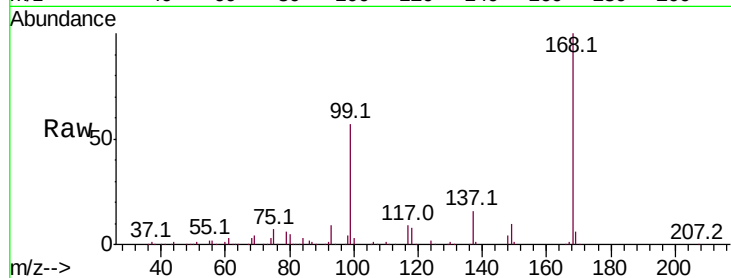
TB01-20201119

Tot Ion:168 Resp: 302666

Ion Ratio Lower Upper

168 100

99 57.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

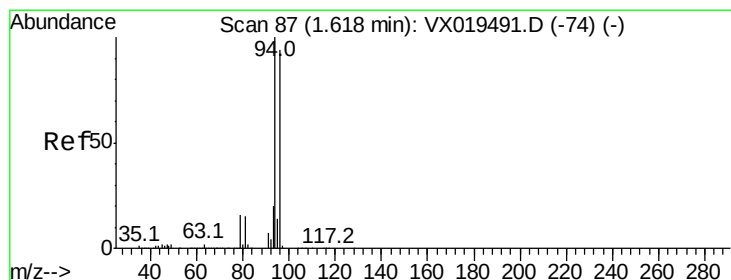
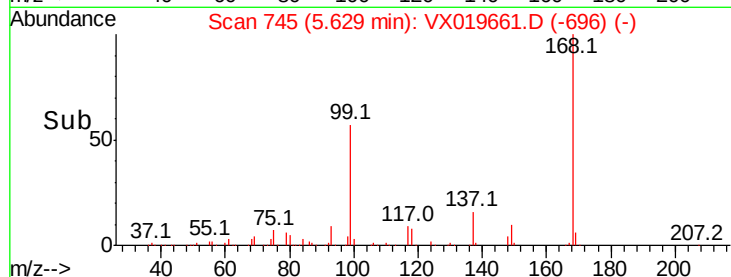
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.371 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VX019661.D

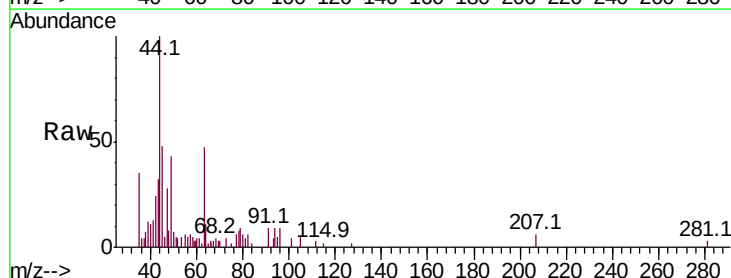
Acq: 25 Nov 2020 17:05

Tgt Ion: 94 Resp: 511

Ion Ratio Lower Upper

94 100

96 138.7 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

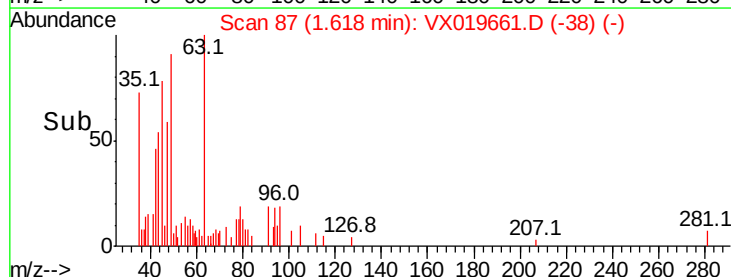
150

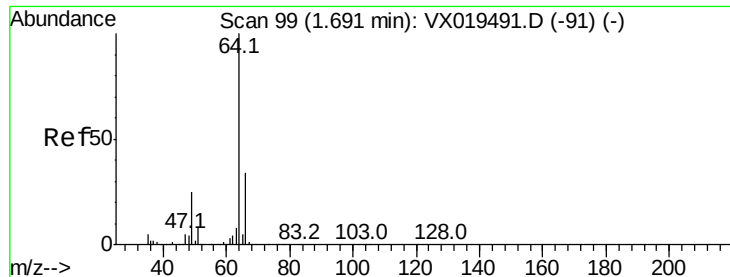
100

50

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX019661.D

Acq: 25 Nov 2020 17:05

Instrument :

MSVOA_X

ClientSampleId :

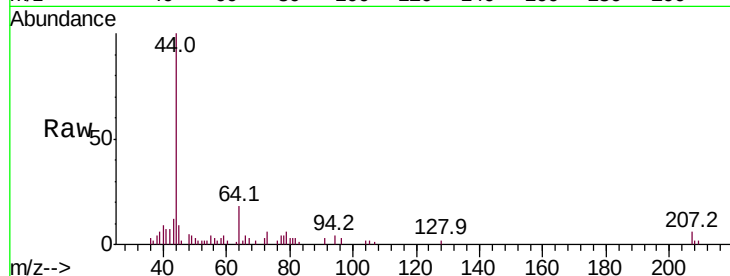
TB01-20201119

Tot Ion: 64 Resp: 974

Ion Ratio Lower Upper

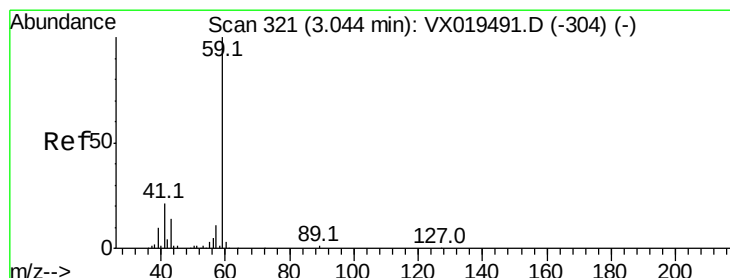
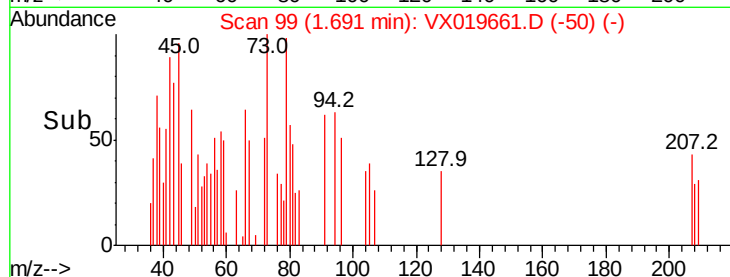
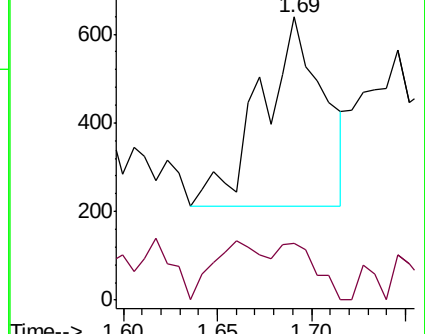
64 100

66 30.4 27.1 40.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 19.308 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.05 min

Lab File: VX019661.D

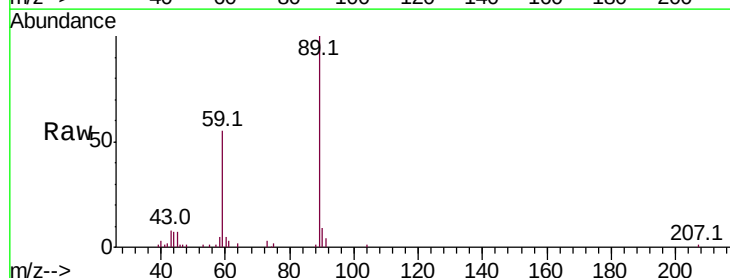
Acq: 25 Nov 2020 17:05

Tgt Ion: 59 Resp: 14340

Ion Ratio Lower Upper

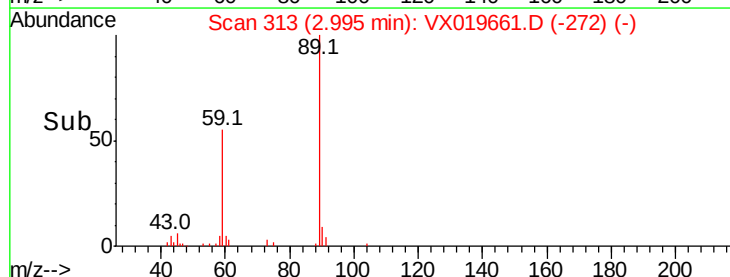
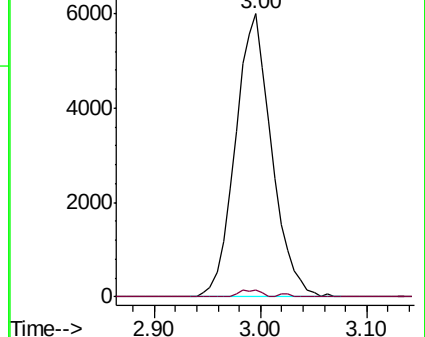
59 100

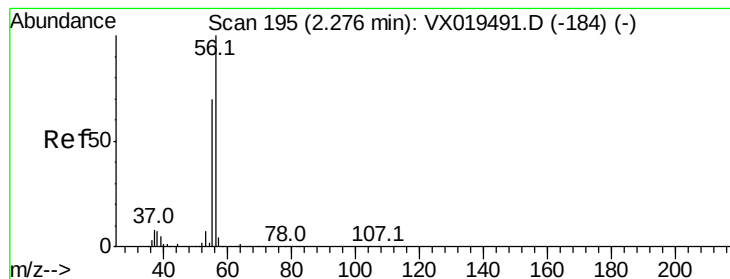
57 1.4 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.214 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX019661.D

Acq: 25 Nov 2020 17:05

Instrument :

MSVOA_X

ClientSampleId :

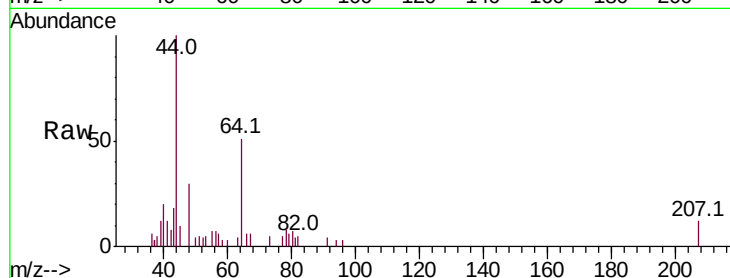
TB01-20201119

Tot Ion: 56 Resp: 107

Ion Ratio Lower Upper

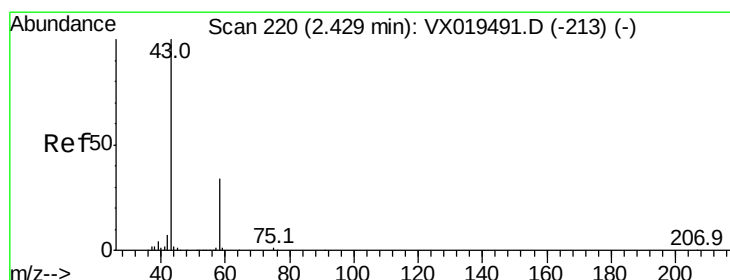
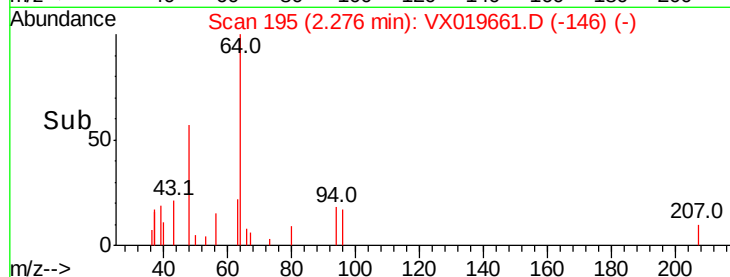
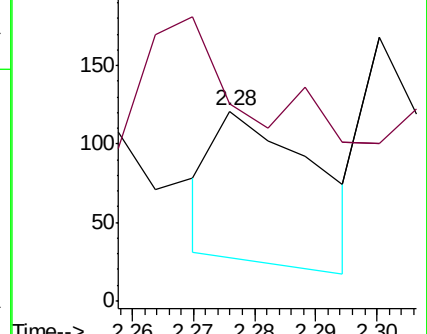
56 100

55 94.4 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: 2.637 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019661.D

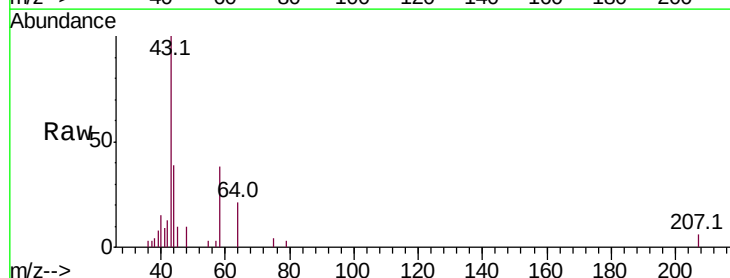
Acq: 25 Nov 2020 17:05

Tgt Ion: 43 Resp: 4002

Ion Ratio Lower Upper

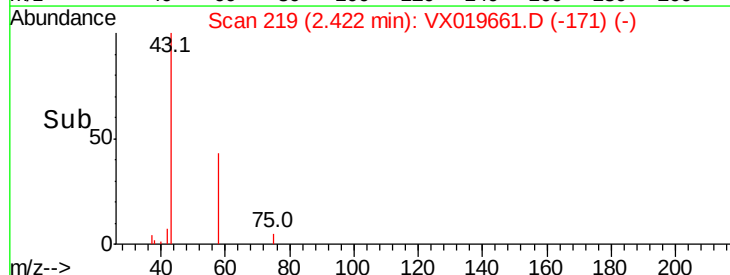
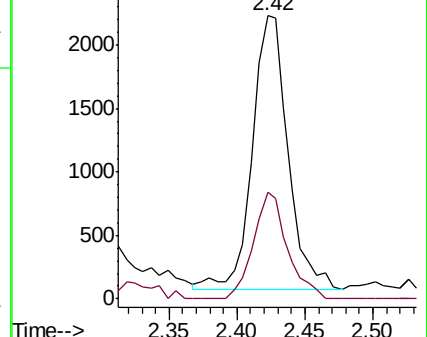
43 100

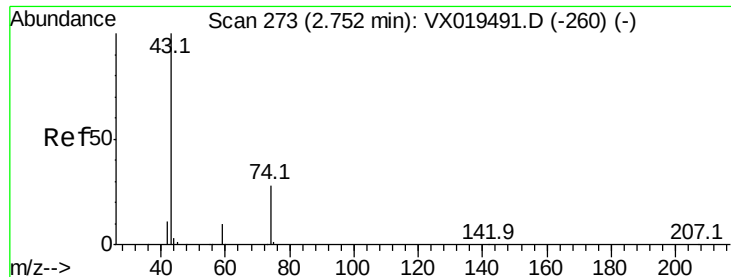
58 39.0 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

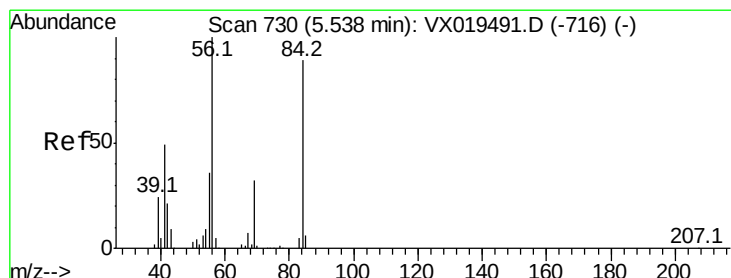
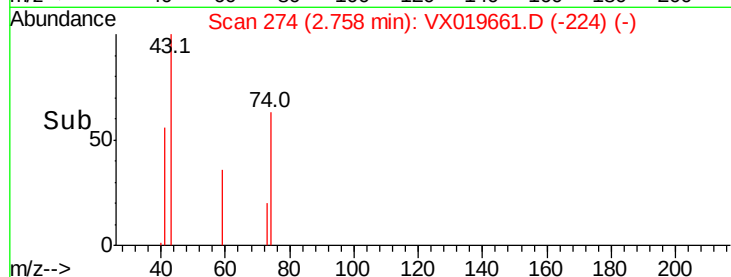
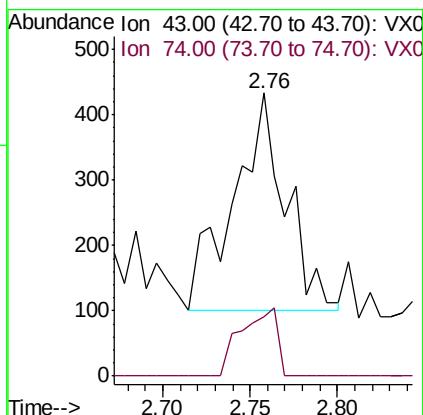
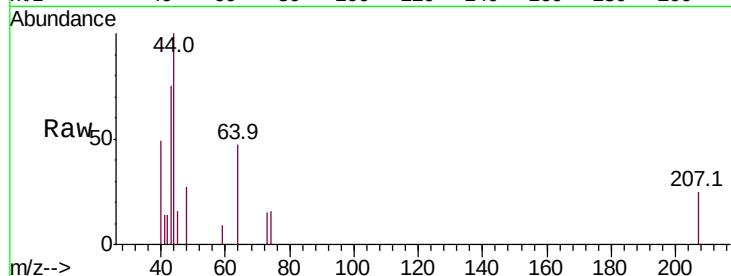




#18
Methvl Acetate
Concen: 0.818 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX019661.D
Acq: 25 Nov 2020 17:05

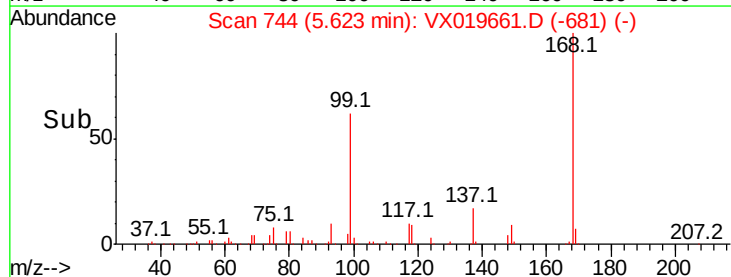
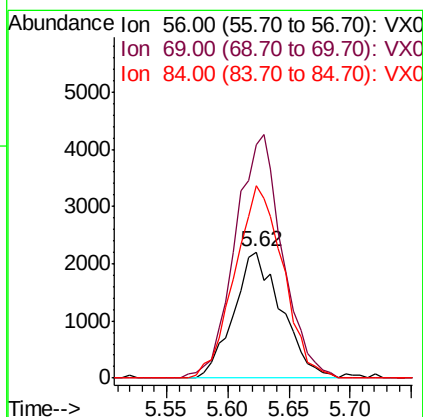
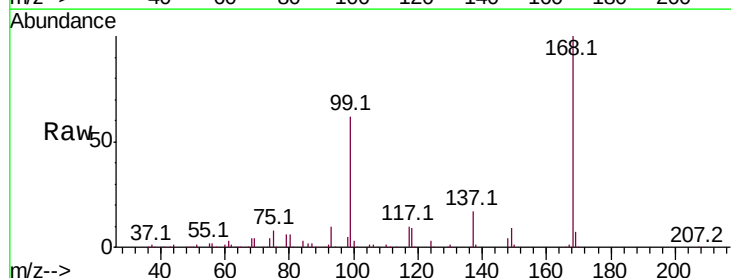
Instrument :
MSVOA_X
ClientSampleId :
TB01-20201119

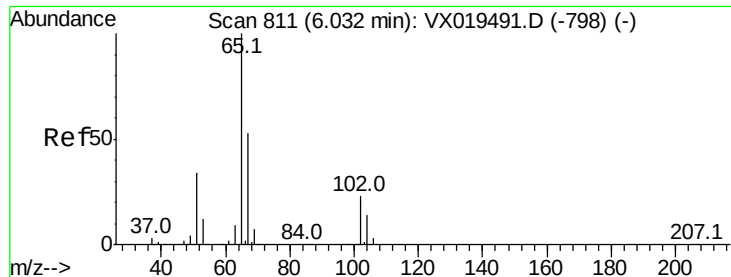
Tot Ion: 43 Resp: 692
Ion Ratio Lower Upper
43 100
74 21.7 22.2 33.4#



#31
Cyclohexane
Concen: 1.170 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.09 min
Lab File: VX019661.D
Acq: 25 Nov 2020 17:05

Tgt Ion: 56 Resp: 5972
Ion Ratio Lower Upper
56 100
69 184.9 25.5 38.3#
84 152.3 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 48.615 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019661.D

Acq: 25 Nov 2020 17:05

Instrument :

MSVOA_X

ClientSampleId :

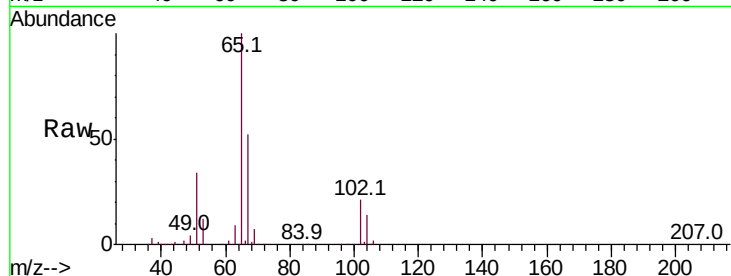
TB01-20201119

Tot Ion: 65 Resp: 190781

Ion Ratio Lower Upper

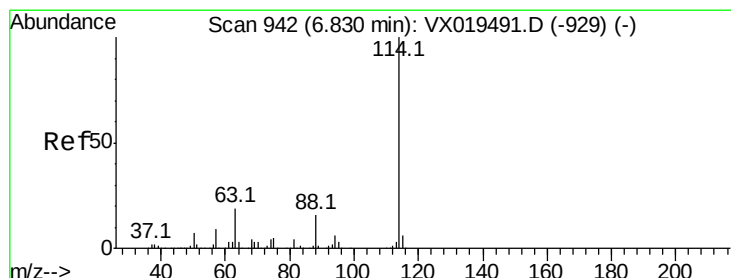
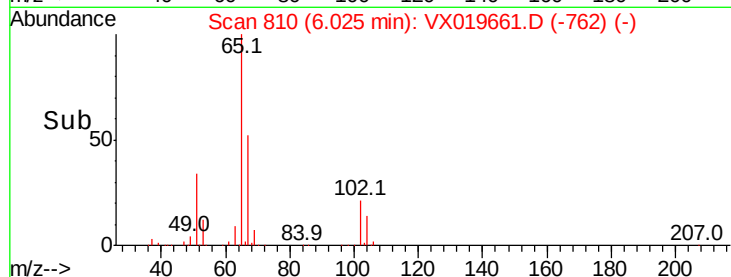
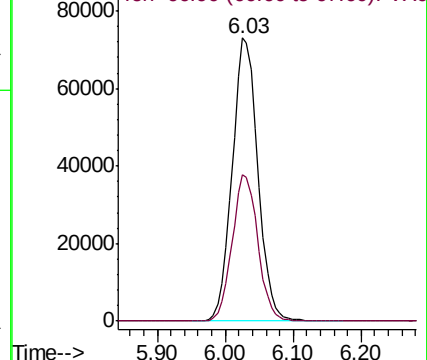
65 100

67 51.9 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: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX019661.D

Acq: 25 Nov 2020 17:05

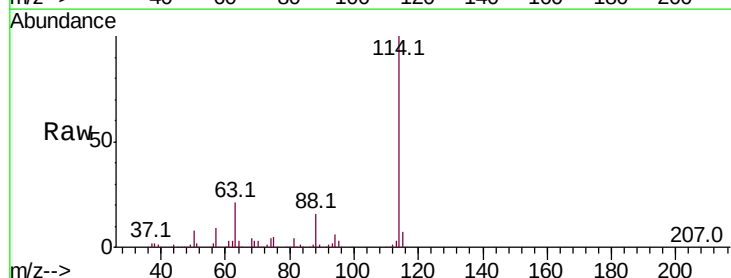
Tgt Ion: 114 Resp: 502707

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.8

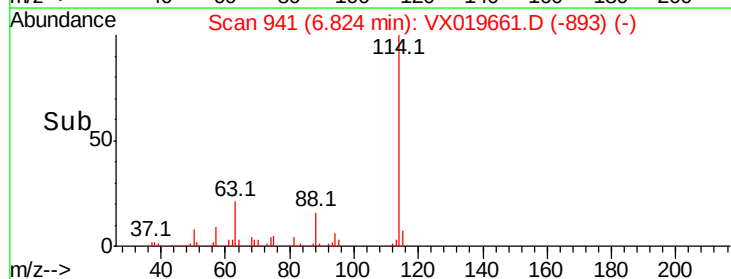
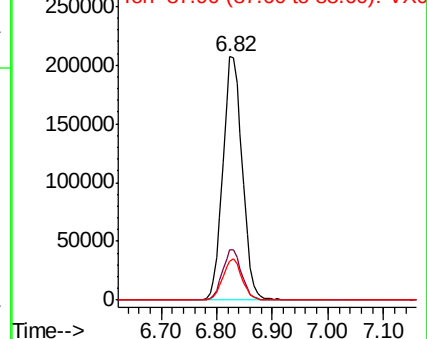
88 15.9 0.0 31.6

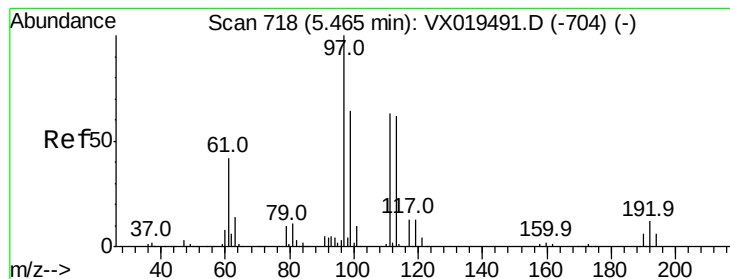


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.830 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019661.D

Acq: 25 Nov 2020 17:05

Instrument :

MSVOA_X

ClientSampleId :

TB01-20201119

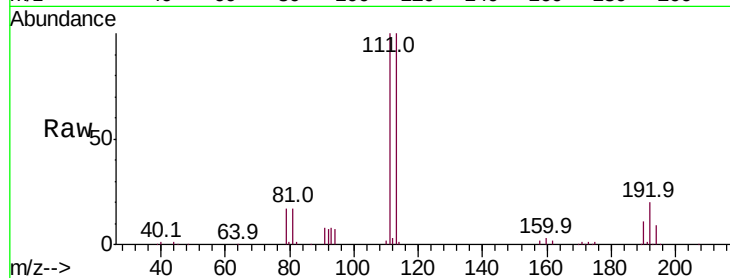
Tot Ion:113 Resp: 150926

Ion Ratio Lower Upper

113 100

111 101.5 81.5 122.3

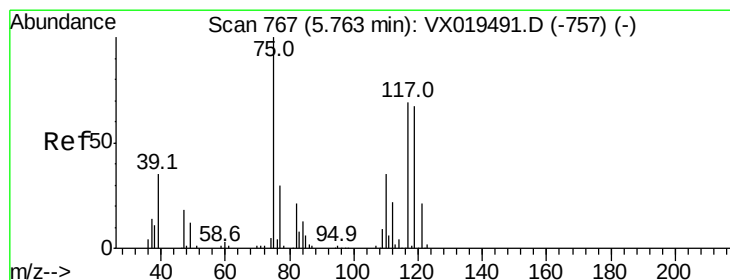
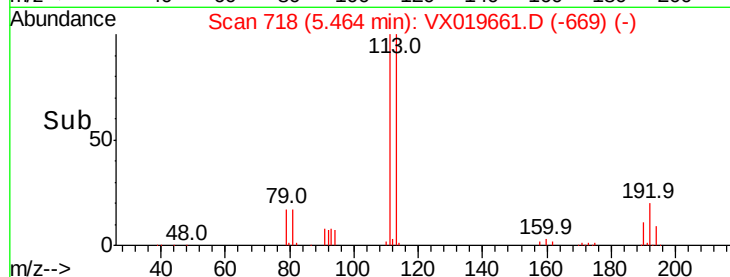
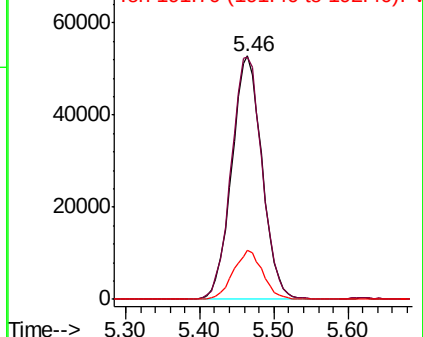
192 19.7 16.2 24.2



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: 4.835 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019661.D

Acq: 25 Nov 2020 17:05

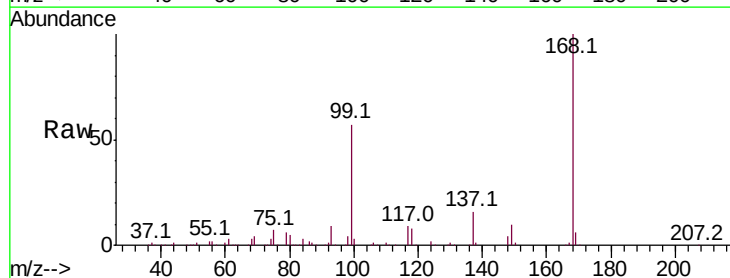
Tgt Ion: 75 Resp: 22788

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.3#

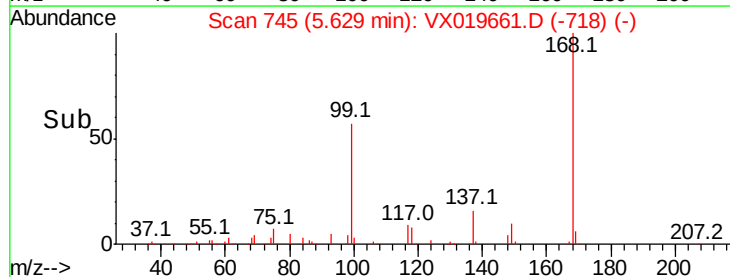
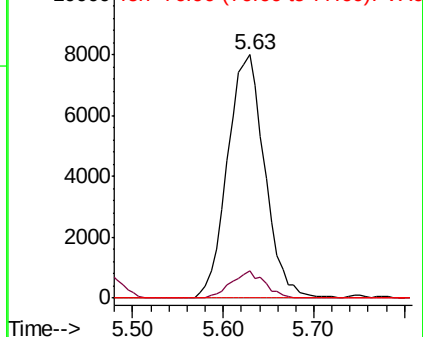
77 0.0 24.2 36.4#

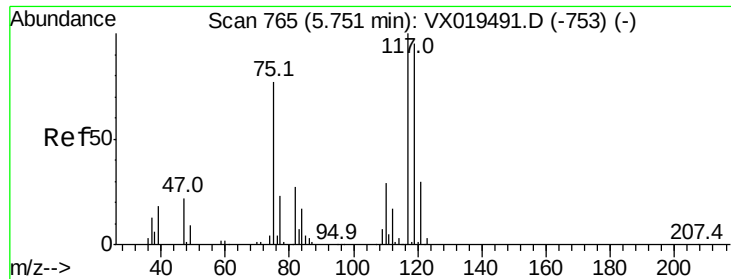


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

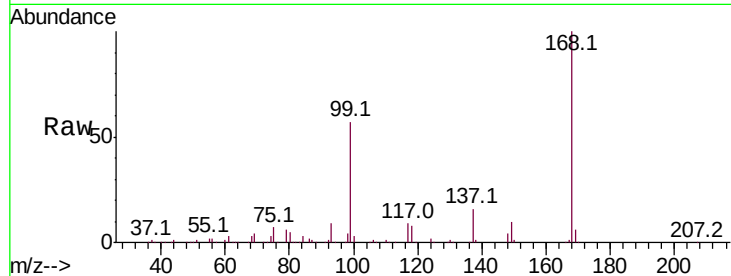




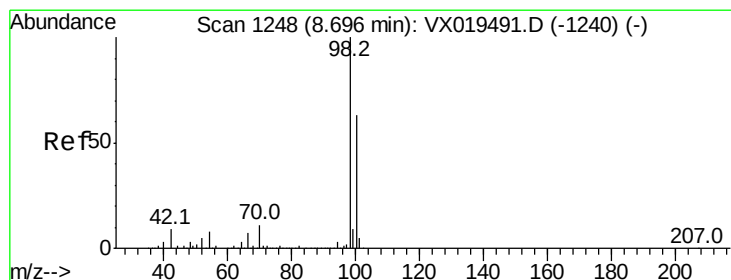
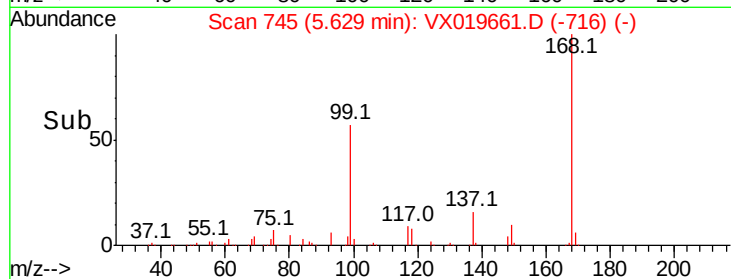
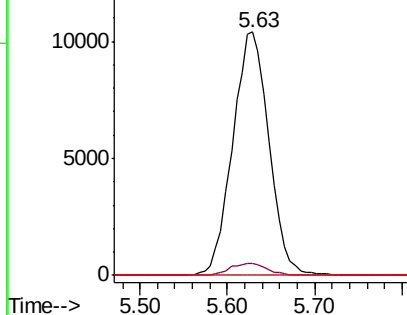
#38
Carbon Tetrachloride
Concen: 6.550 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019661.D
Acq: 25 Nov 2020 17:05

Instrument :
MSVOA_X
ClientSampleId :
TB01-20201119

Tot Ion:117 Resp: 29879
Ion Ratio Lower Upper
117 100
119 5.1 75.9 113.9#
121 0.0 24.0 36.0#

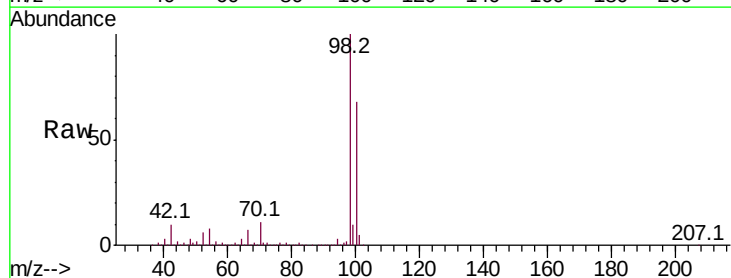


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

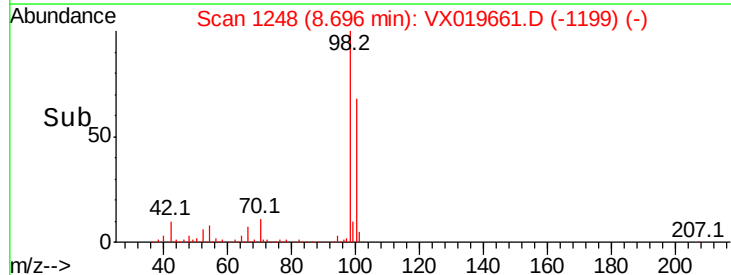
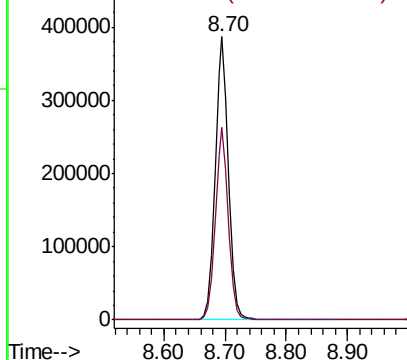


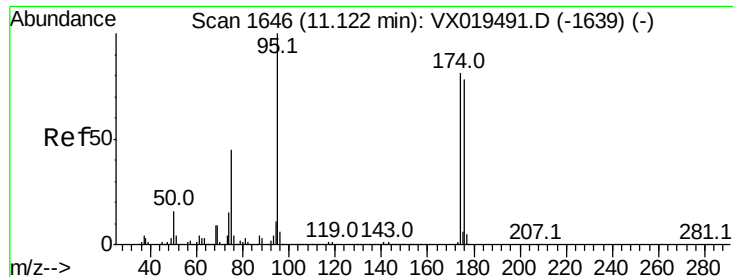
#50
Toluene-d8
Concen: 48.758 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019661.D
Acq: 25 Nov 2020 17:05

Tgt Ion: 98 Resp: 597872
Ion Ratio Lower Upper
98 100
100 66.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

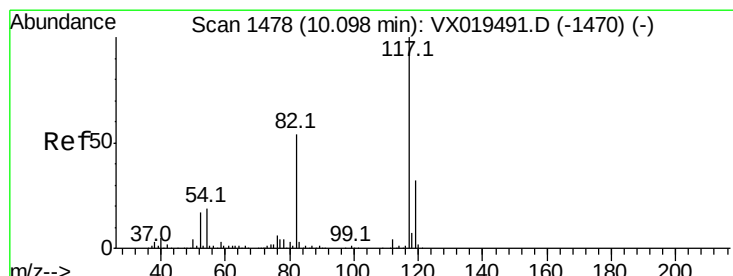
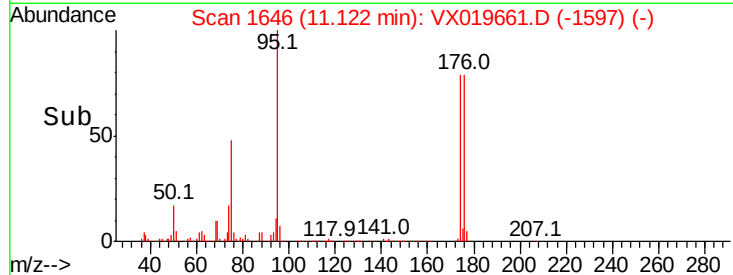
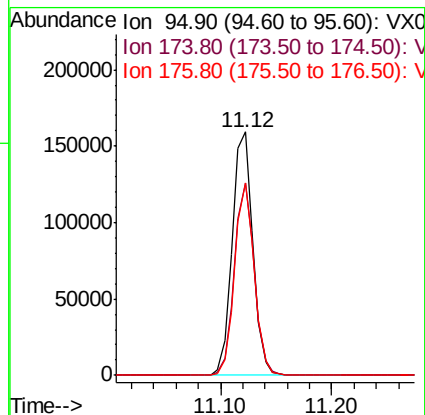
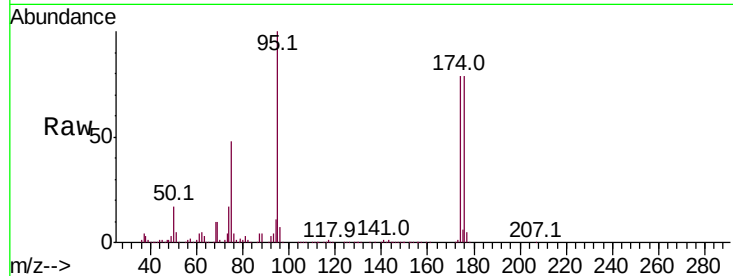




#62
4-Bromofluorobenzene
Concen: 46.065 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019661.D
Acq: 25 Nov 2020 17:05

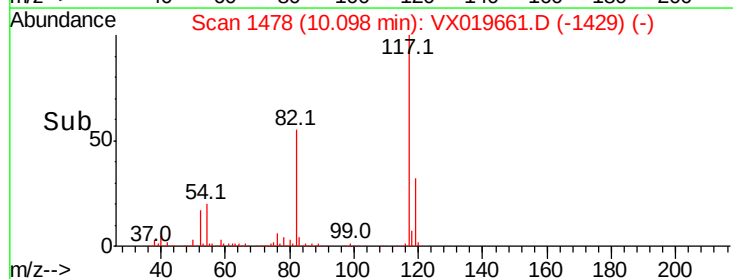
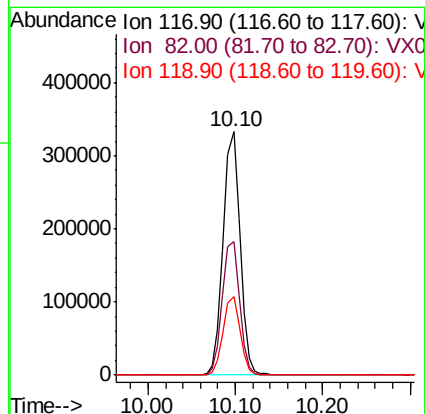
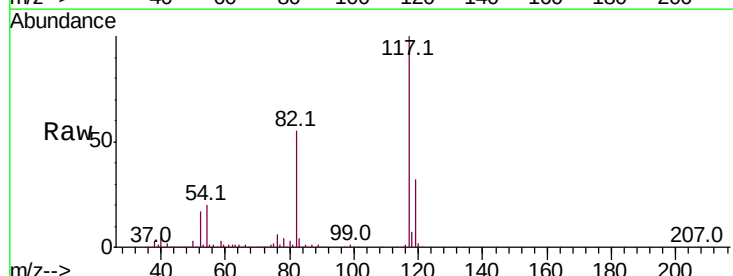
Instrument :
MSVOA_X
ClientSampleId :
TB01-20201119

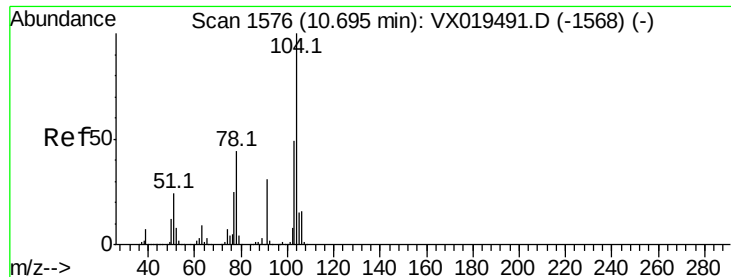
Tot Ion: 95 Resp: 203223
Ion Ratio Lower Upper
95 100
174 76.5 0.0 156.2
176 75.4 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019661.D
Acq: 25 Nov 2020 17:05

Tgt Ion: 117 Resp: 445663
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 32.3 25.6 38.4

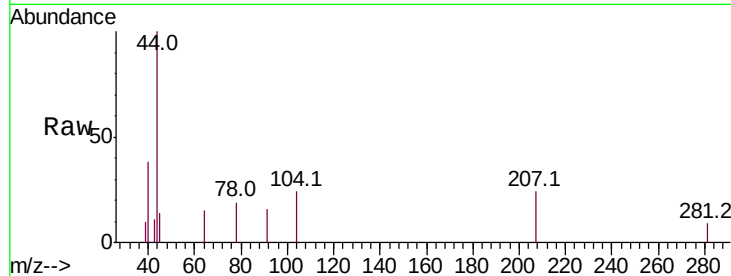




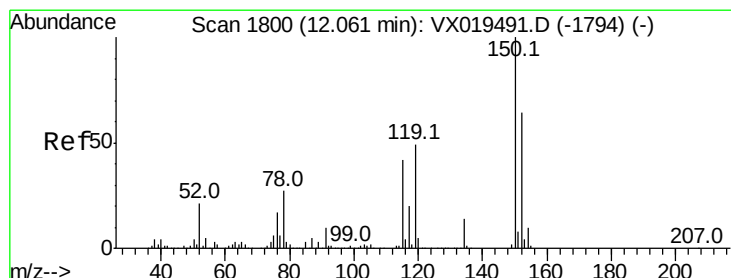
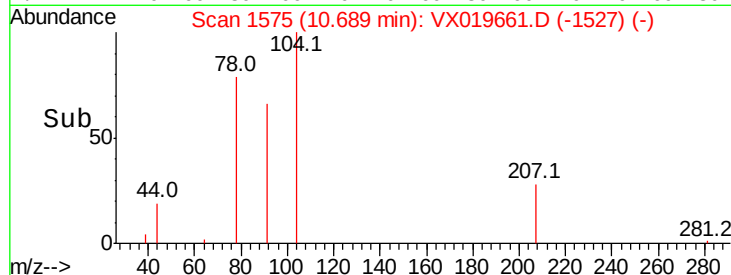
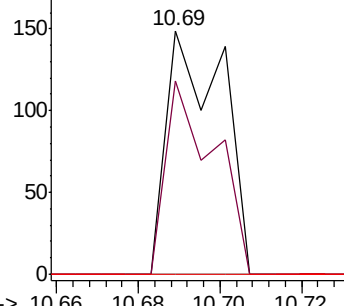
#70
Stvrene
Concen: 1.659 ug/l
RT: 10.69 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VX019661.D
Acq: 25 Nov 2020 17:05

Instrument :
MSVOA_X
ClientSampleId :
TB01-20201119

Tot Ion:104 Resp: 142
Ion Ratio Lower Upper
104 100
78 69.7 39.5 59.3#
103 0.0 43.6 65.4#

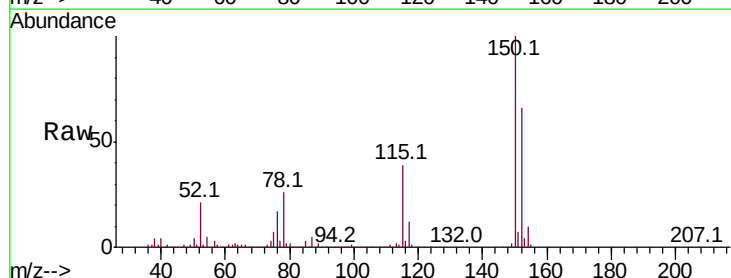


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

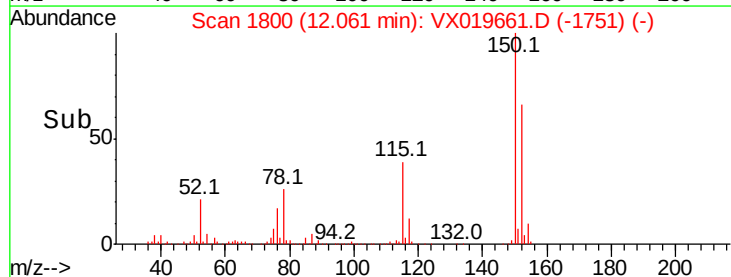
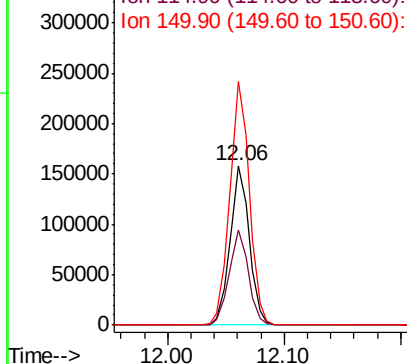


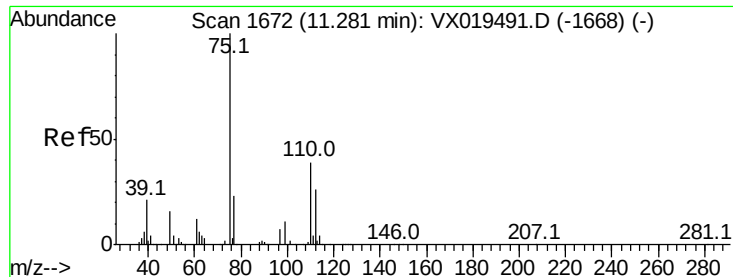
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019661.D
Acq: 25 Nov 2020 17:05

Tgt Ion:152 Resp: 181936
Ion Ratio Lower Upper
152 100
115 60.1 41.8 125.4
150 155.8 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: 25.289 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019661.D

Acq: 25 Nov 2020 17:05

Instrument :

MSVOA_X

ClientSampleId :

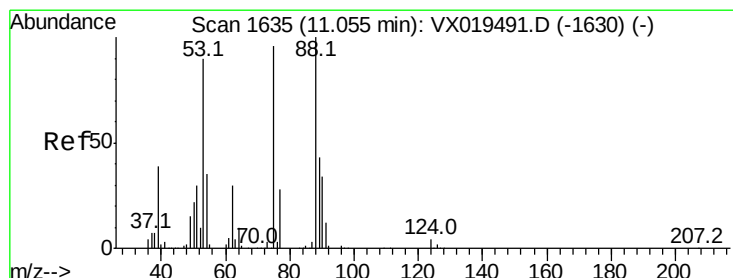
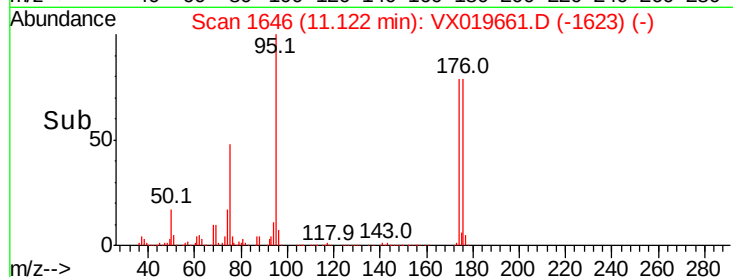
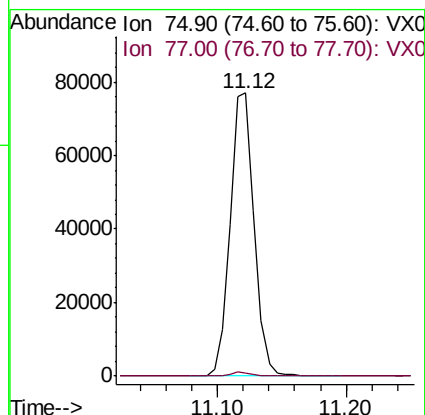
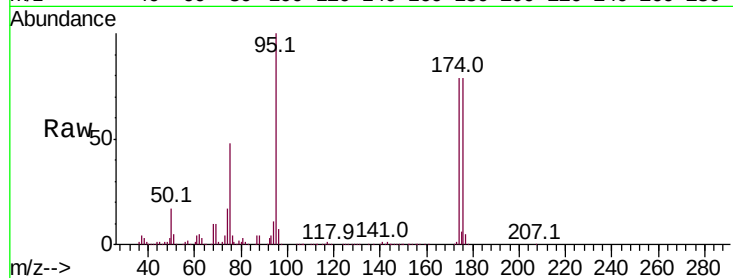
TB01-20201119

Tot Ion: 75 Resp: 100408

Ion Ratio Lower Upper

75 100

77 1.3 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.753 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019661.D

Acq: 25 Nov 2020 17:05

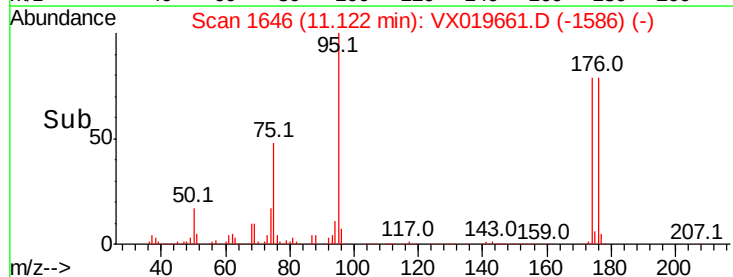
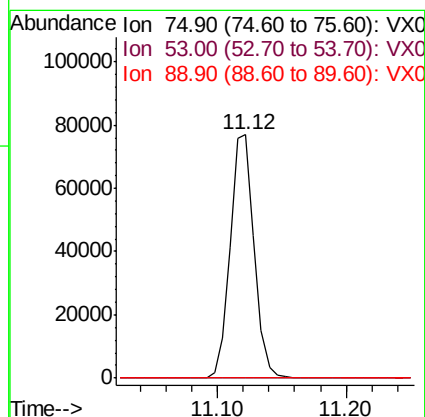
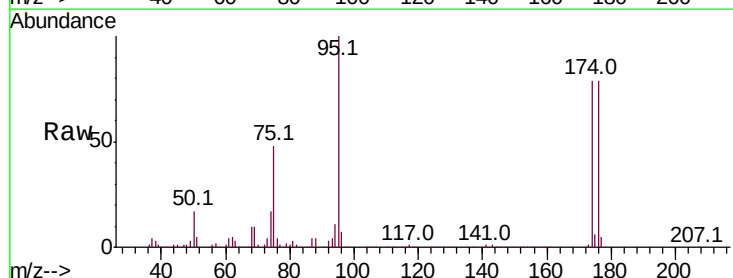
Tgt Ion: 75 Resp: 100408

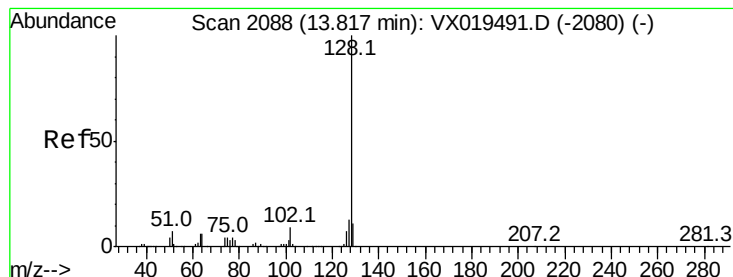
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#





#95

Naphthalene

Concen: 2.245 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019661.D

Acq: 25 Nov 2020 17:05

Instrument :

MSVOA_X

ClientSampleId :

TB01-20201119

Tot Ion:128 Resp: 939

Ion Ratio Lower Upper

128 100

127 5.4 10.3 15.5#

129 9.2 8.7 13.1

