

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019501.D
 Acq On : 20 Nov 2020 17:26
 Operator : JC/MD
 Sample : L4837-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Nov 21 03:48:05 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	273880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	447624	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	381019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	157675	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	168964	47.58	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.16%	
35) Dibromofluoromethane		5.46	113	133430	47.49	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.98%	
50) Toluene-d8		8.70	98	524885	48.07	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.14%	
62) 4-Bromofluorobenzene		11.12	95	168299	42.84	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	85.68%	

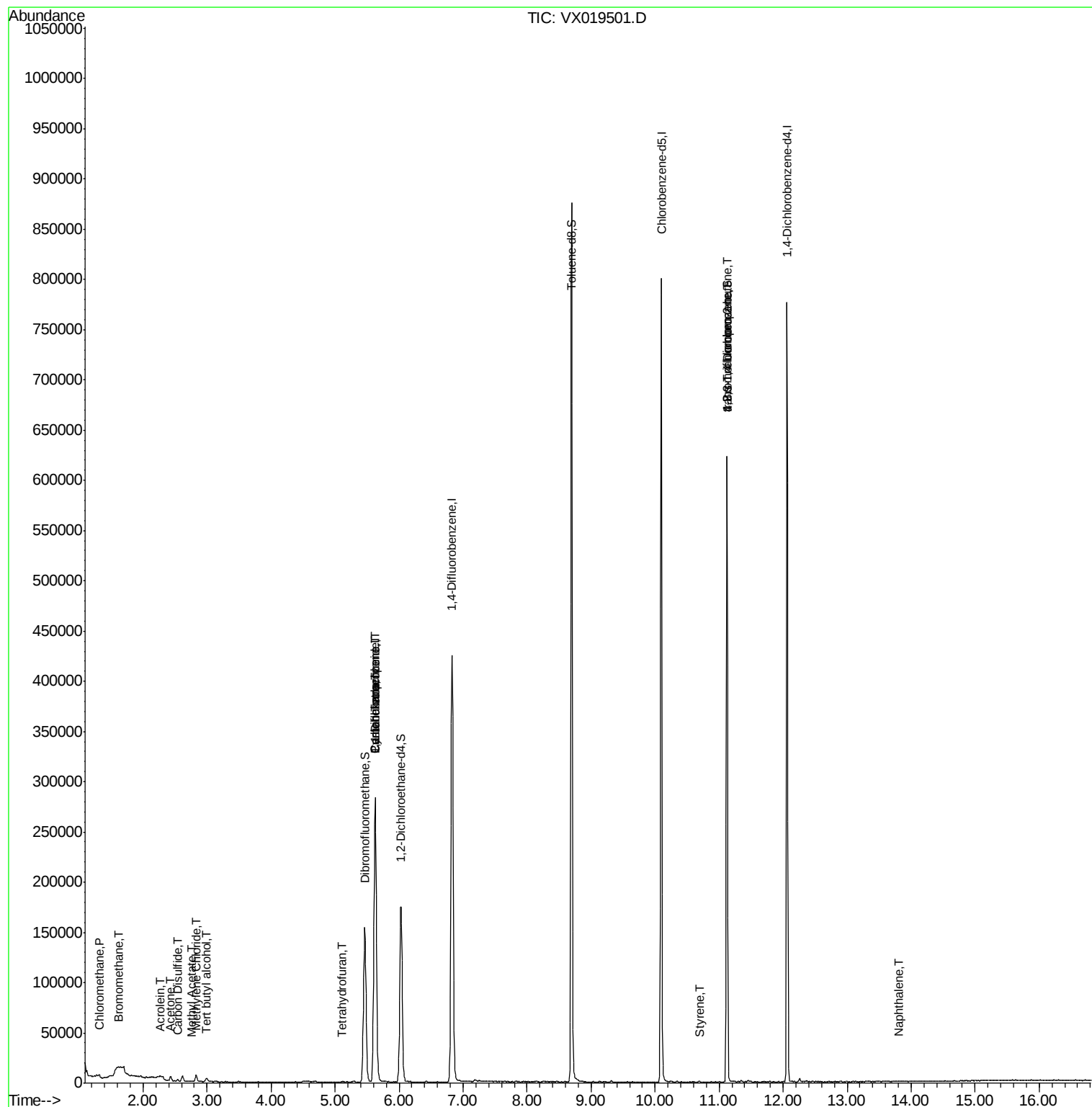
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1102	0.361	ug/l	96
5) Bromomethane	1.62	94	481	0.386	ug/l	100
6) Chloroethane	1.67	64	132	Below Cal	#	41
11) Tert butyl alcohol	2.99	59	2260	3.363	ug/l #	73
13) Acrolein	2.28	56	384	0.850	ug/l #	72
16) Acetone	2.43	43	4710	3.430	ug/l	93
17) Carbon Disulfide	2.54	76	1702	0.233	ug/l #	92
18) Methyl Acetate	2.76	43	295	0.721	ug/l #	47
20) Methylene Chloride	2.83	84	3179	0.926	ug/l	94
29) Tetrahydrofuran	5.10	42	323	0.245	ug/l #	53
31) Cyclohexane	5.63	56	5638	1.221	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	21375	5.094	ug/l #	49
38) Carbon Tetrachloride	5.63	117	27267	6.713	ug/l #	16
70) Styrene	10.70	104	215	1.669	ug/l #	82
76) 1,2,3-Trichloropropane	11.12	75	81822	23.779	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	81822	63.020	ug/l #	12
95) Naphthalene	13.82	128	492	2.219	ug/l #	76

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

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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: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019501.D

Acq: 20 Nov 2020 17:26

Instrument :

MSVOA_X

ClientSampleId :

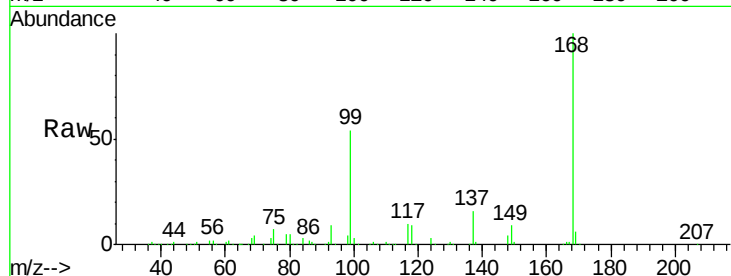
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 273880

Ion Ratio Lower Upper

168 100

99 54.5 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

100000

80000

60000

40000

20000

0

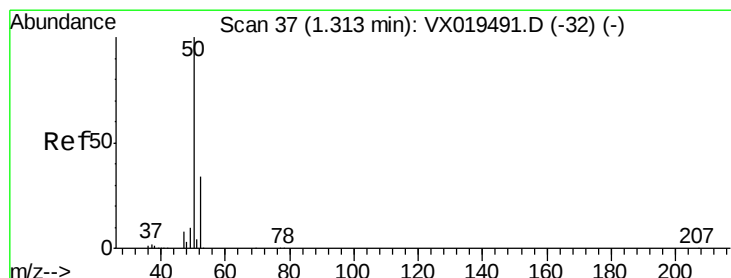
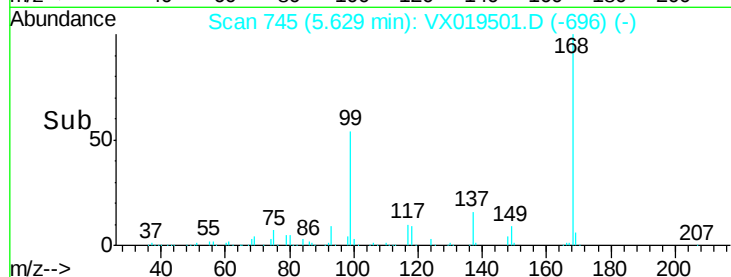
Time-->

5.50

5.60

5.70

5.80



#3

Chloromethane

Concen: 0.361 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019501.D

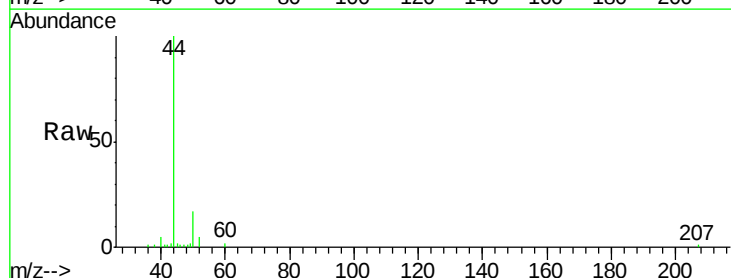
Acq: 20 Nov 2020 17:26

Tgt Ion: 50 Resp: 1102

Ion Ratio Lower Upper

50 100

52 31.4 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1200

1000

800

600

400

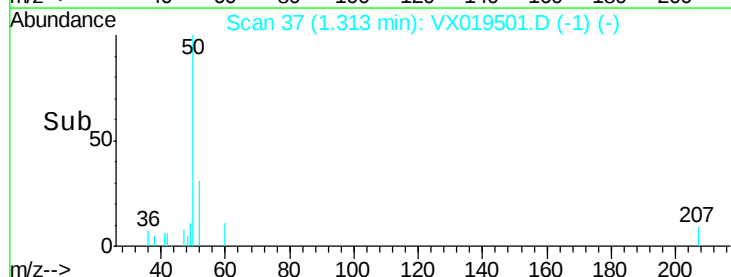
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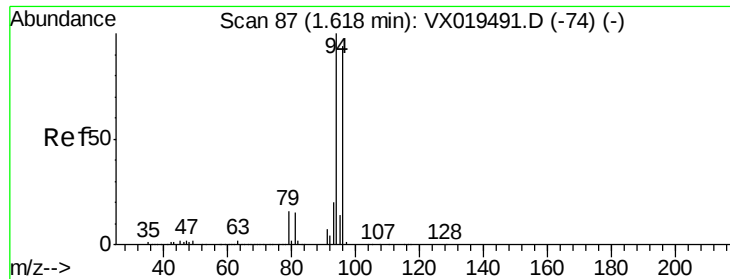
0

Time-->

1.30

1.35





#5

Bromomethane

Concen: 0.386 ug/l

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VX019501.D

Acq: 20 Nov 2020 17:26

Instrument :

MSVOA_X

ClientSampleId :

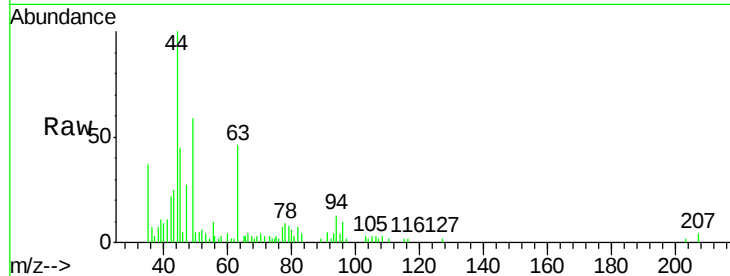
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 94 Resp: 481

Ion Ratio Lower Upper

94 100

96 94.1 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

300

200

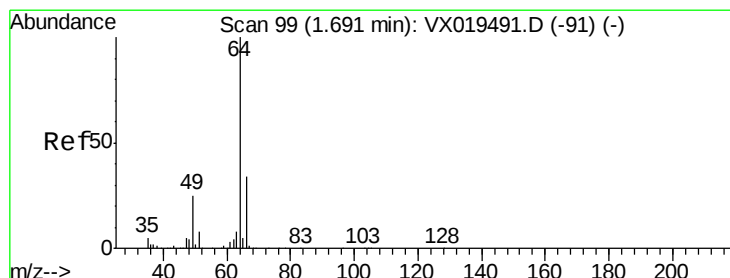
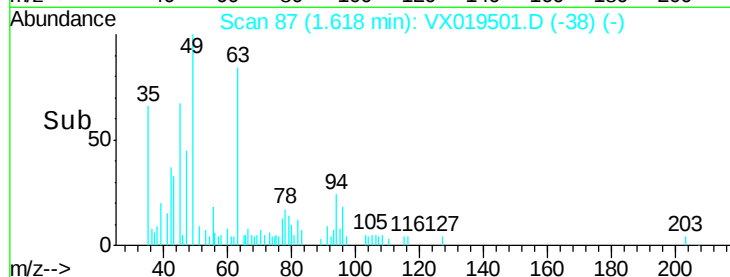
100

0

1.60

1.65

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 95

Delta R.T. -0.02 min

Lab File: VX019501.D

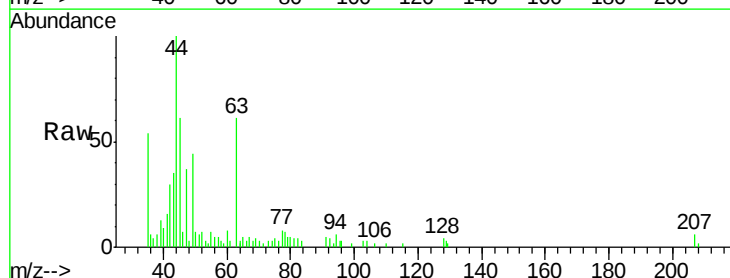
Acq: 20 Nov 2020 17:26

Tgt Ion: 64 Resp: 132

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.67

150

100

50

0

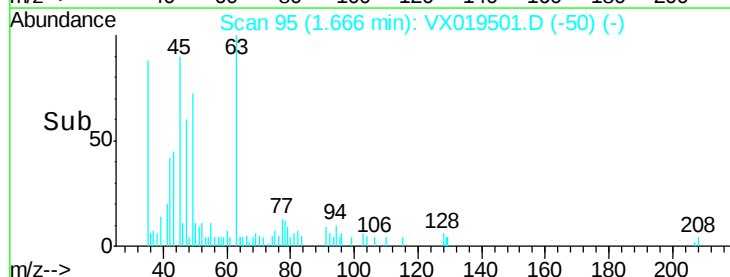
1.65

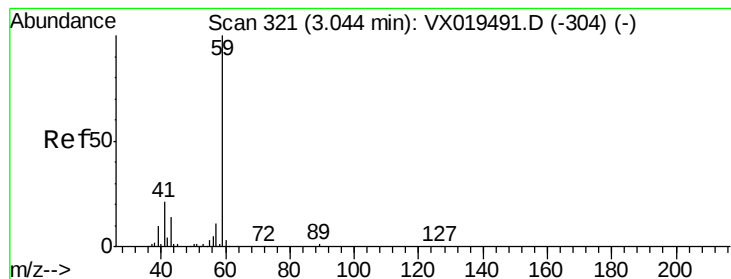
1.66

1.67

1.68

Time-->



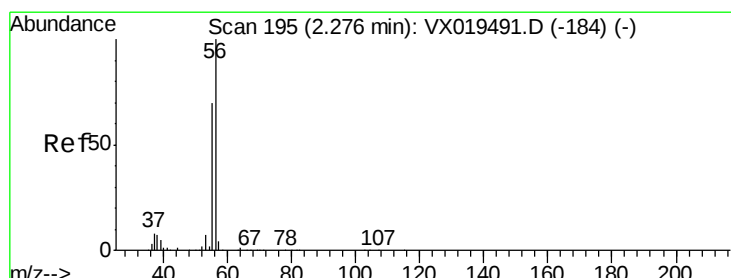
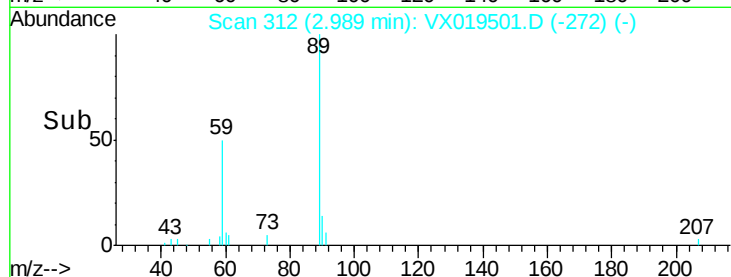
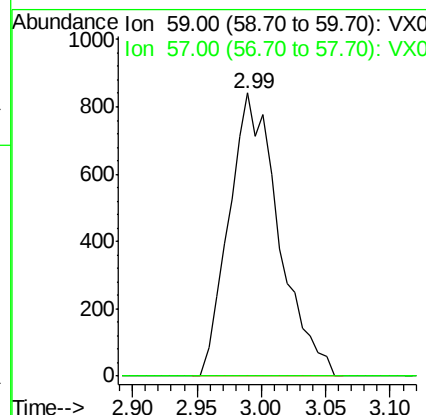
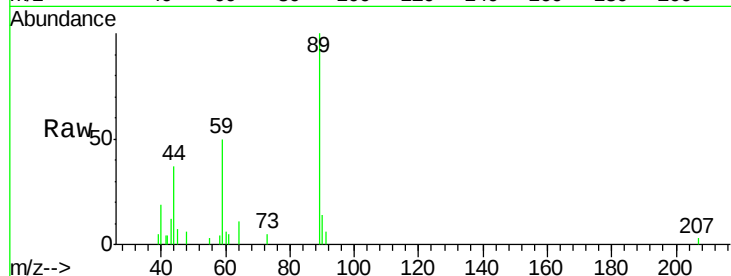


#11

Tert butyl alcohol
 Concen: 3.363 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.05 min
 Lab File: VX019501.D
 Acq: 20 Nov 2020 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

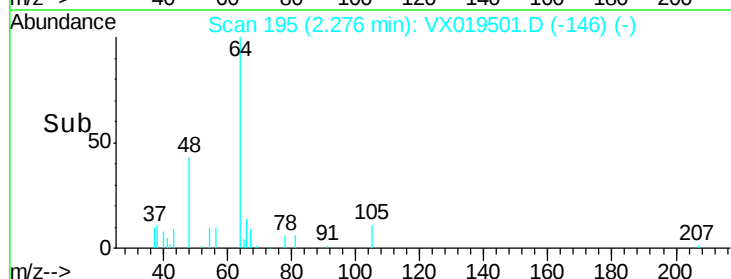
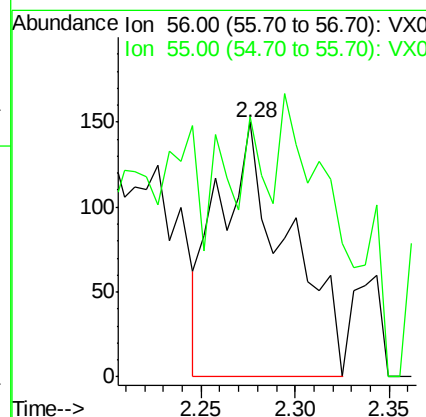
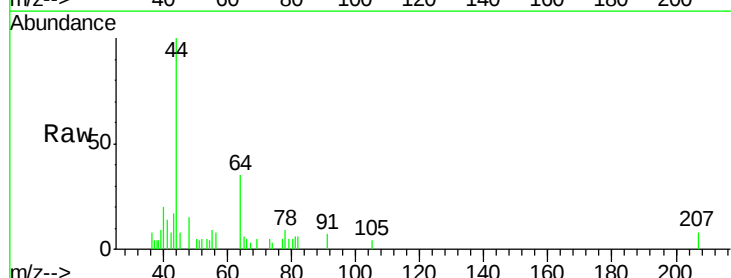
Tot Ion: 59 Resp: 2260
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

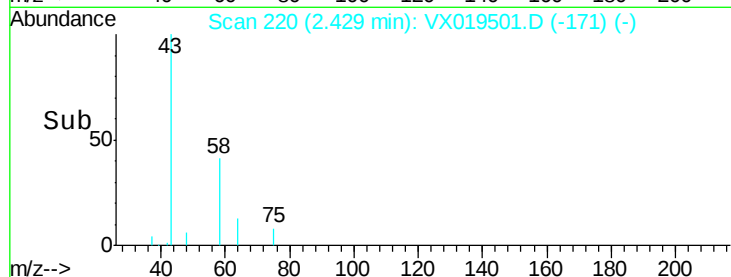
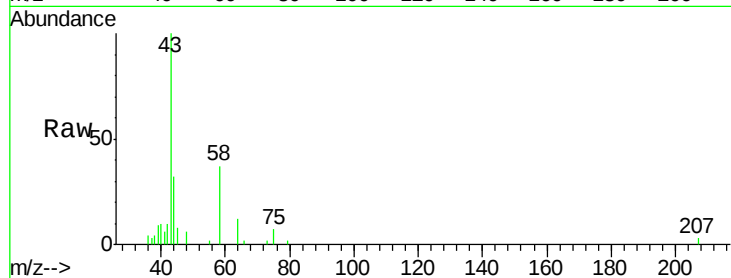
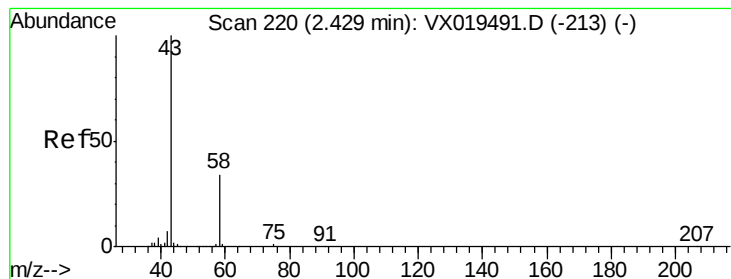


#13

Acrolein
 Concen: 0.850 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.00 min
 Lab File: VX019501.D
 Acq: 20 Nov 2020 17:26

Tgt Ion: 56 Resp: 384
 Ion Ratio Lower Upper
 56 100
 55 92.4 55.5 83.3#





#16

Acetone

Concen: 3.430 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX019501.D

Acq: 20 Nov 2020 17:26

Instrument :

MSVOA_X

ClientSampleId :

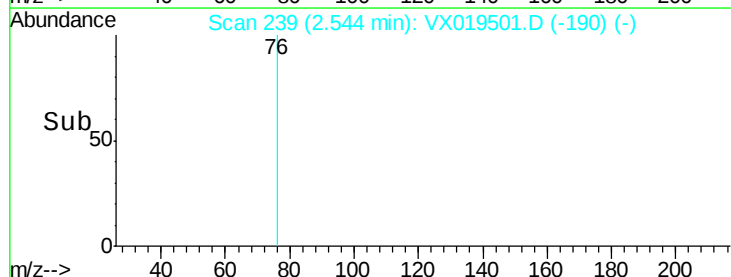
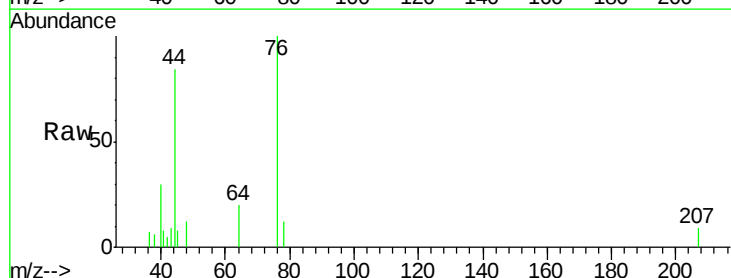
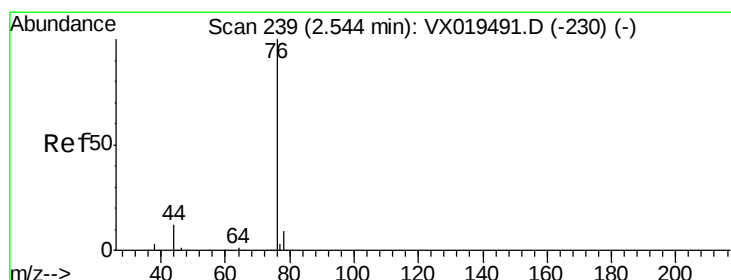
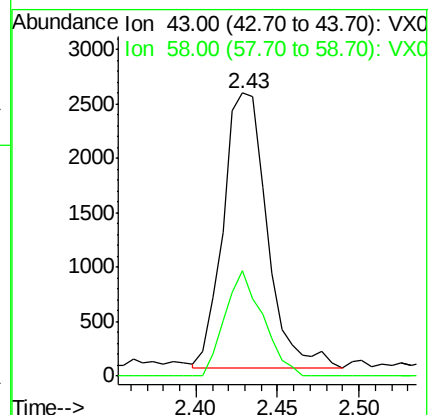
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 4710

Ion Ratio Lower Upper

43 100

58 38.4 27.4 41.2



#17

Carbon Disulfide

Concen: 0.233 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VX019501.D

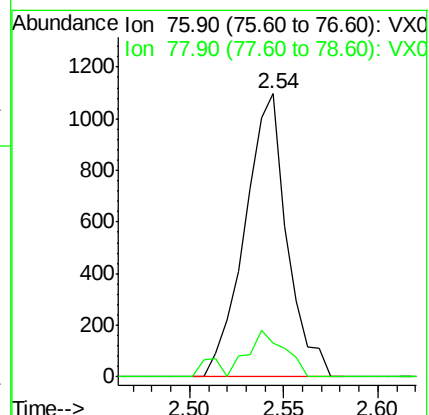
Acq: 20 Nov 2020 17:26

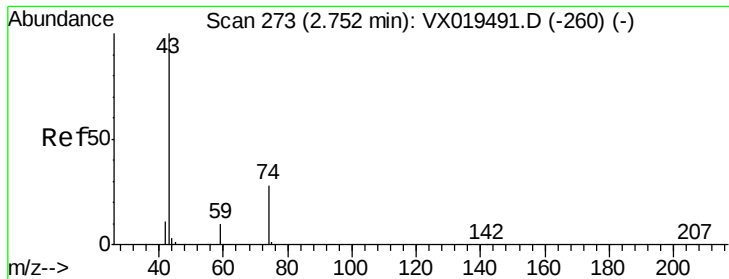
Tgt Ion: 76 Resp: 1702

Ion Ratio Lower Upper

76 100

78 12.0 7.2 10.8#

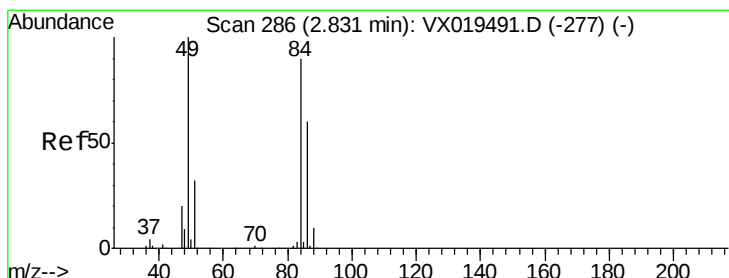
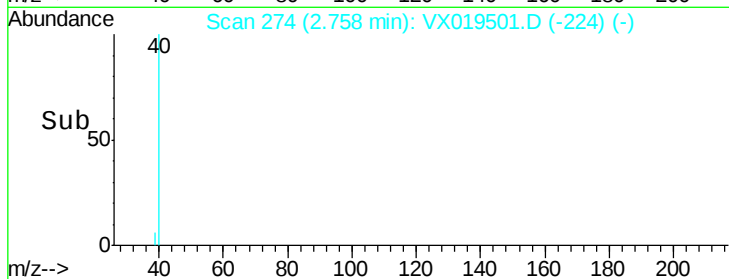
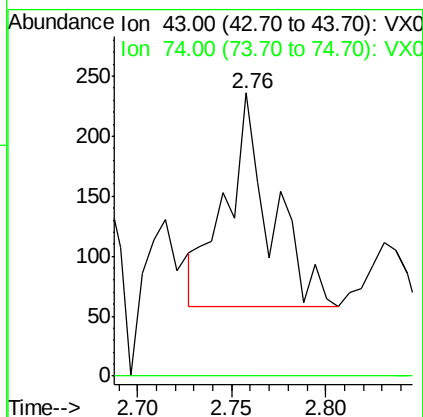
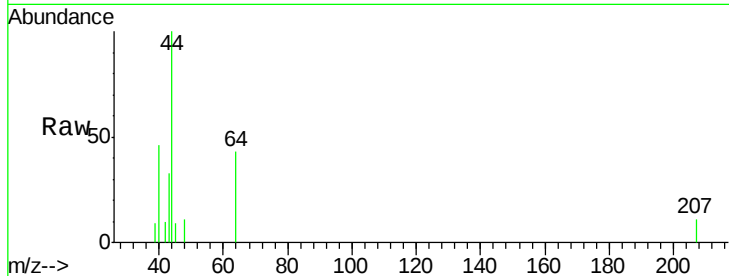




#18
Methyl Acetate
Concen: 0.721 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX019501.D
Acq: 20 Nov 2020 17:26

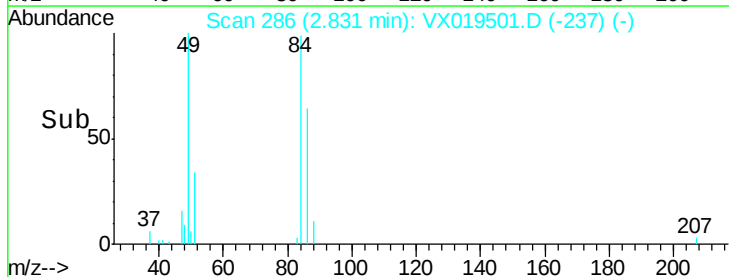
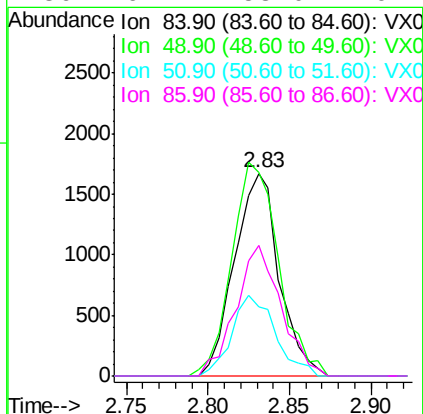
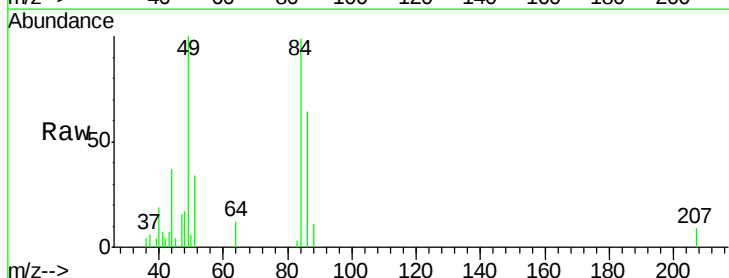
Instrument :
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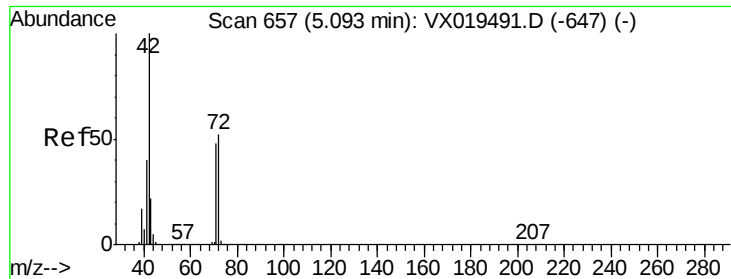
Tot Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#



#20
Methylene Chloride
Concen: 0.926 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019501.D
Acq: 20 Nov 2020 17:26

Tgt Ion: 84 Resp: 3179
Ion Ratio Lower Upper
84 100
49 100.7 88.5 132.7
51 34.1 28.0 42.0
86 64.2 53.0 79.4

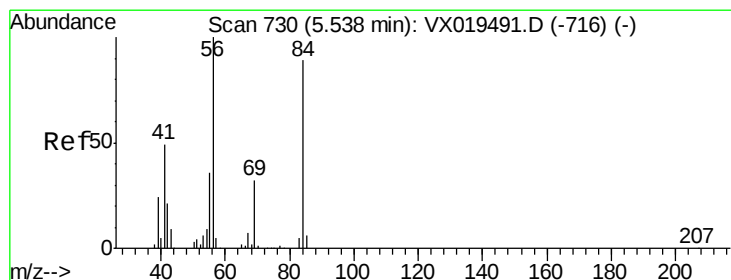
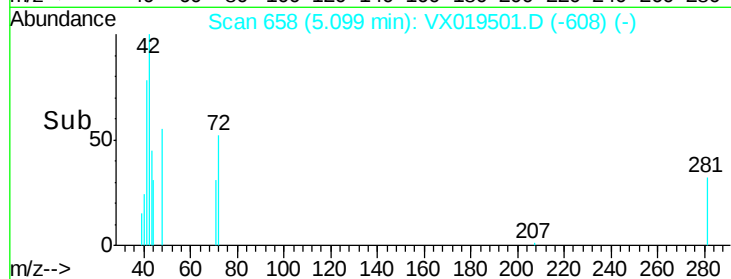
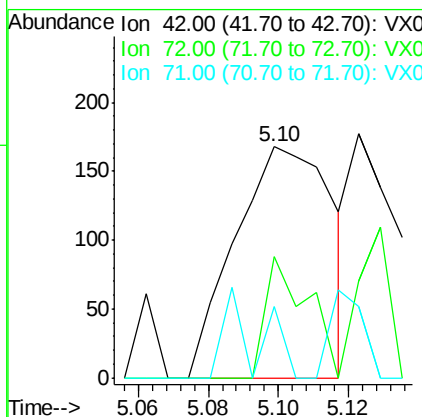
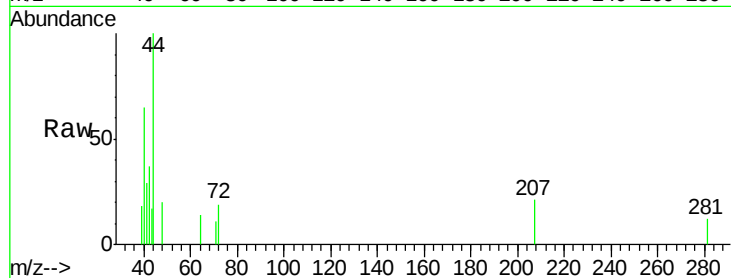




#29
Tetrahydrofuran
Concen: 0.245 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX019501.D
Acq: 20 Nov 2020 17:26

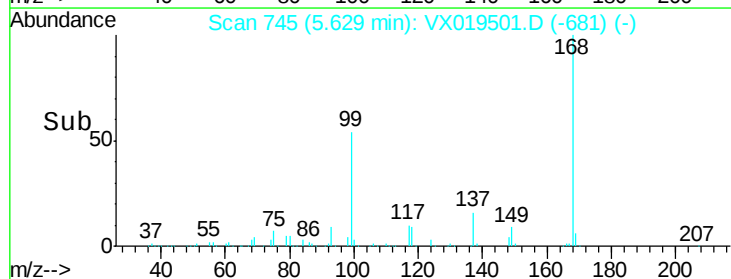
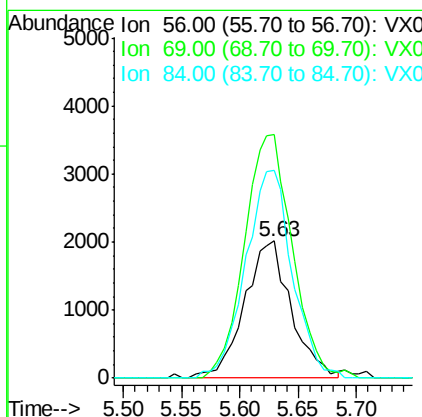
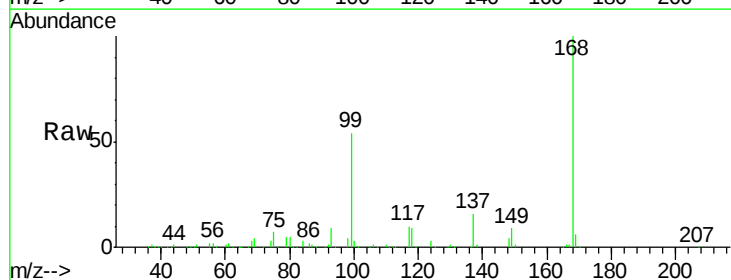
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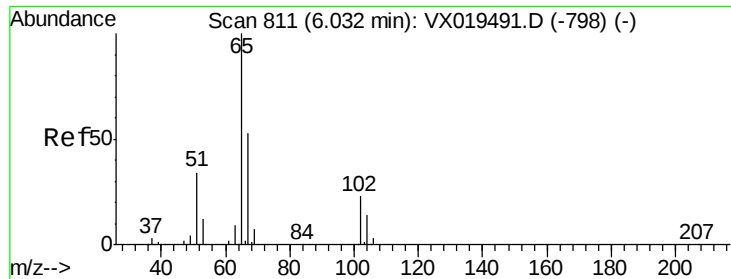
Tot Ion: 42 Resp: 323
Ion Ratio Lower Upper
42 100
72 22.9 42.6 63.8#
71 13.3 39.0 58.6#



#31
Cyclohexane
Concen: 1.221 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019501.D
Acq: 20 Nov 2020 17:26

Tgt Ion: 56 Resp: 5638
Ion Ratio Lower Upper
56 100
69 177.9 25.5 38.3#
84 151.9 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 47.581 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019501.D

Acq: 20 Nov 2020 17:26

Instrument :

MSVOA_X

ClientSampleId :

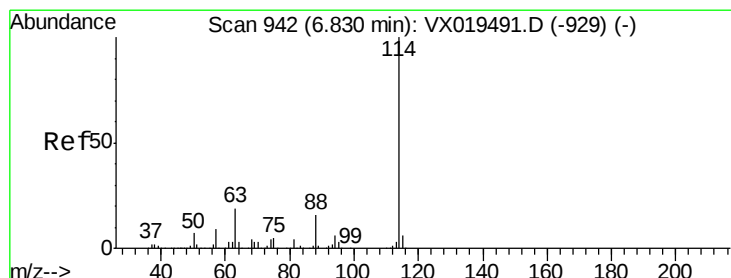
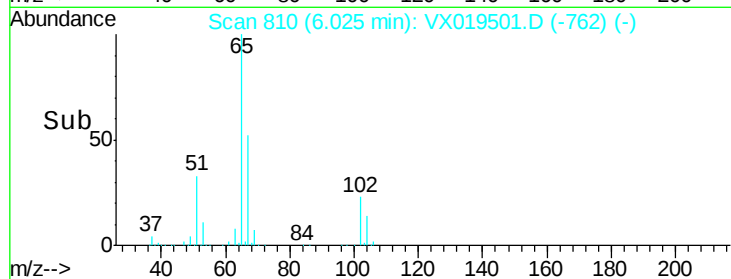
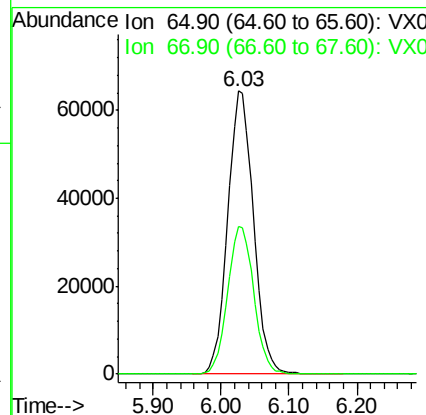
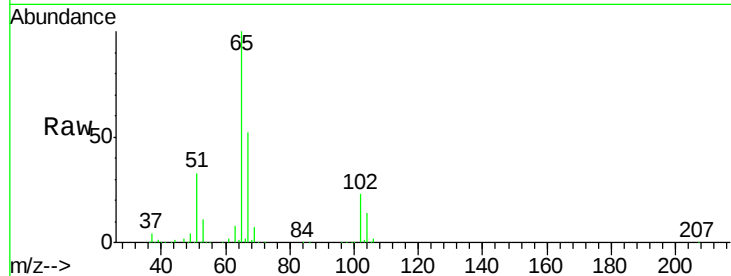
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 65 Resp: 168964

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX019501.D

Acq: 20 Nov 2020 17:26

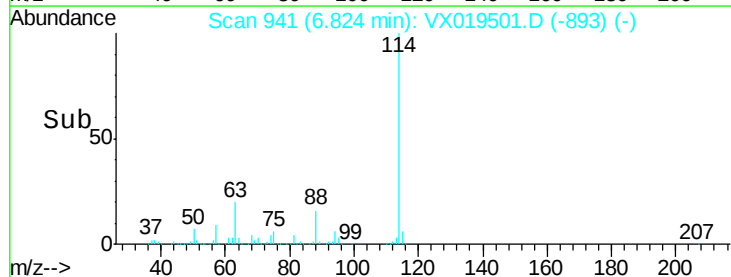
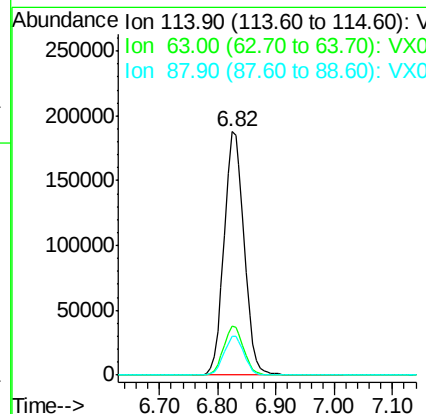
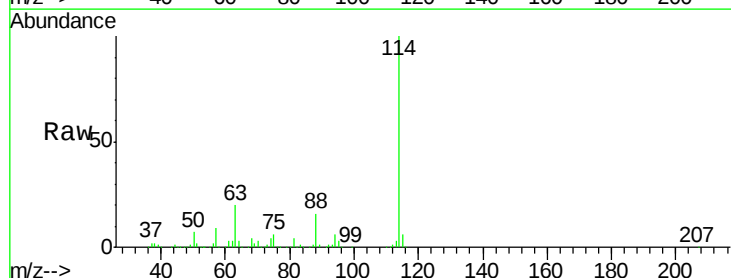
Tgt Ion: 114 Resp: 447624

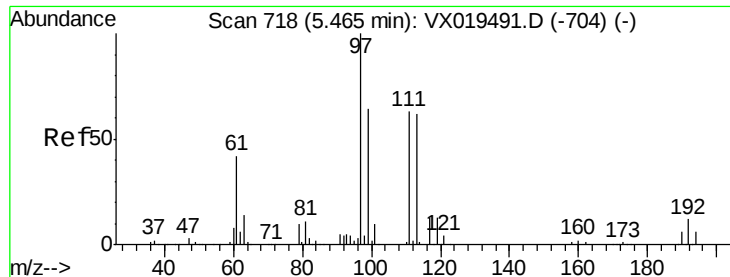
Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.8

88 15.8 0.0 31.6

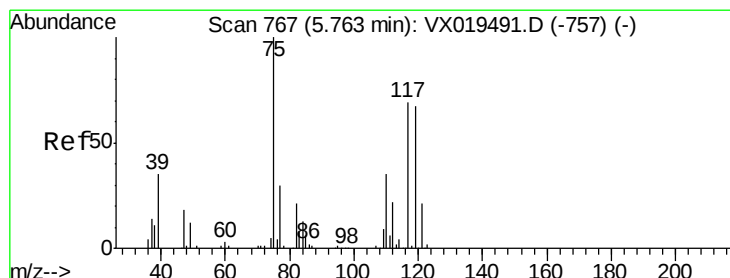
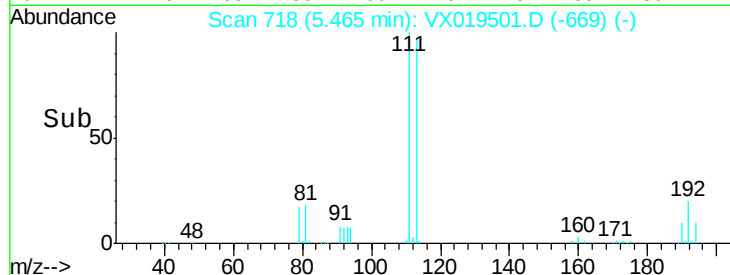
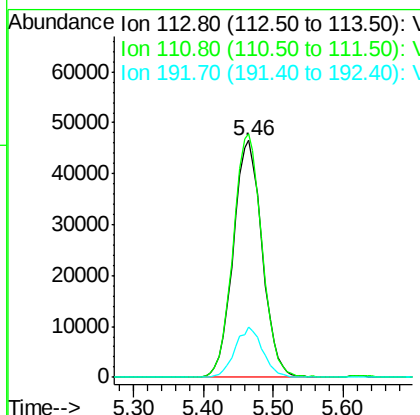
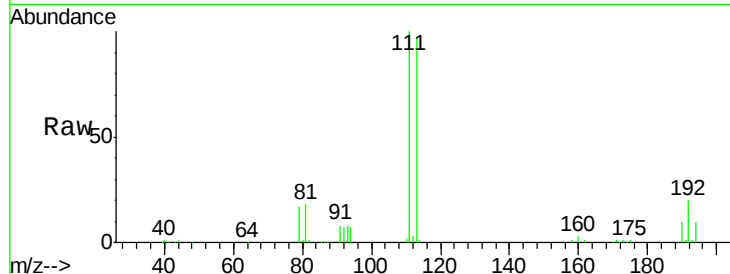




#35
Dibromofluoromethane
Concen: 47.488 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX019501.D
Acq: 20 Nov 2020 17:26

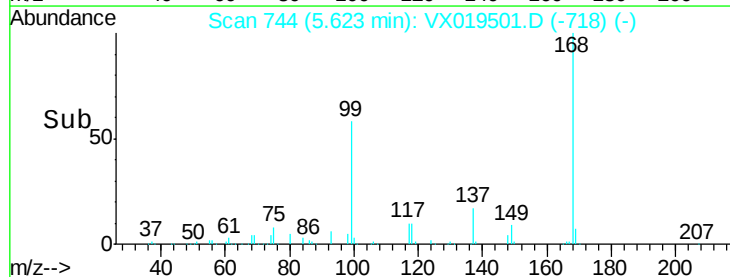
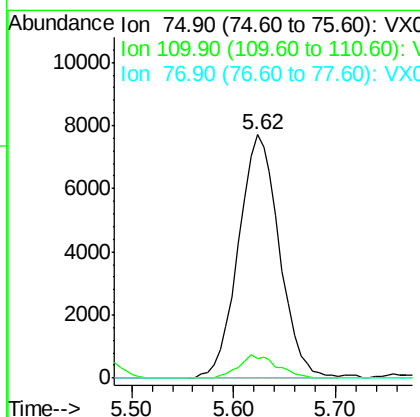
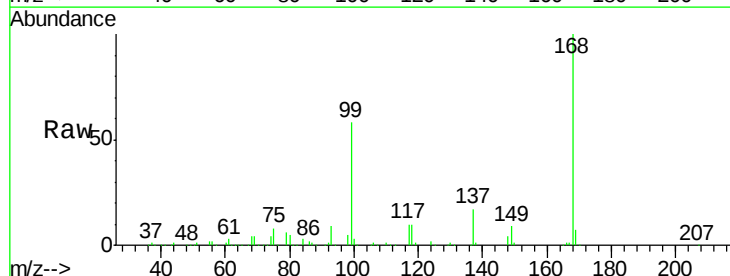
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

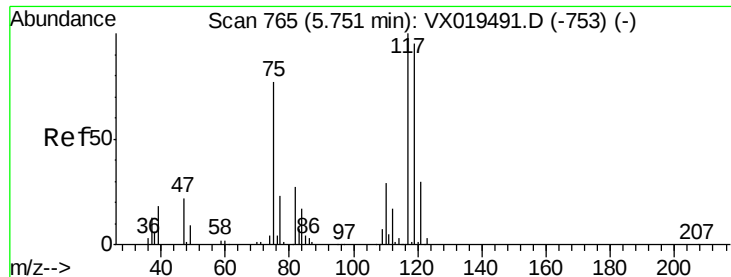
Tot Ion:113 Resp: 133430
Ion Ratio Lower Upper
113 100
111 102.6 81.5 122.3
192 20.2 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.094 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.14 min
Lab File: VX019501.D
Acq: 20 Nov 2020 17:26

Tgt Ion: 75 Resp: 21375
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.3#
77 0.0 24.2 36.4#

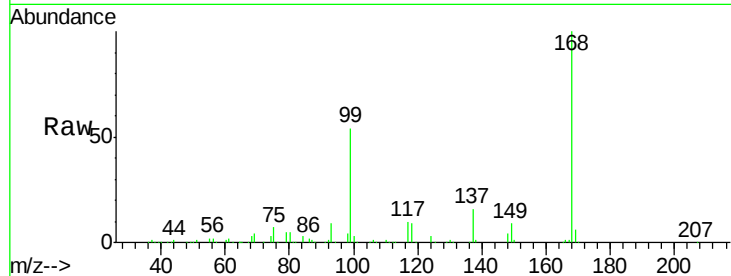




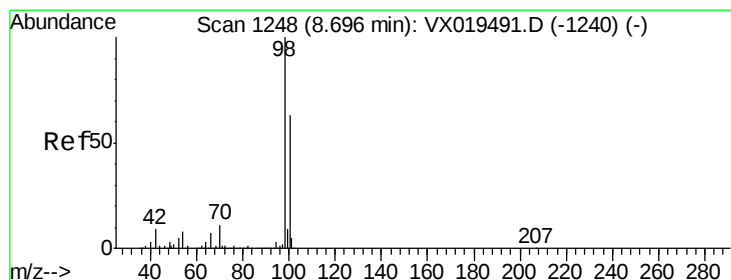
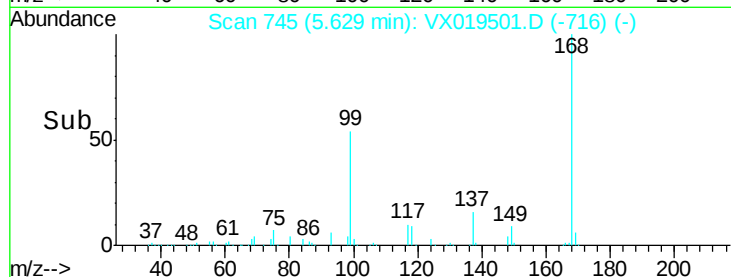
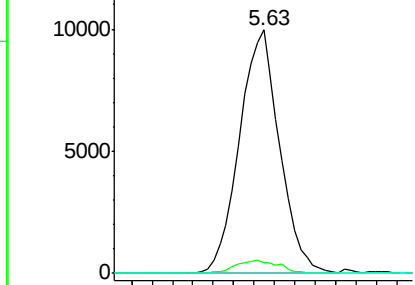
#38
Carbon Tetrachloride
Concen: 6.713 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019501.D
Acq: 20 Nov 2020 17:26

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 27267
Ion Ratio Lower Upper
117 100
119 4.6 75.9 113.9#
121 0.0 24.0 36.0#

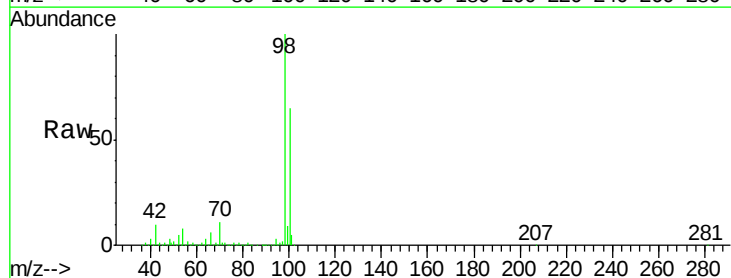


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

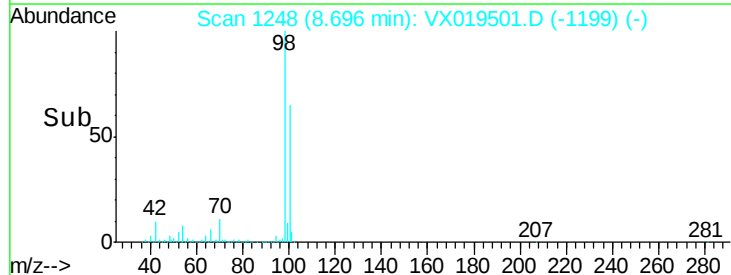
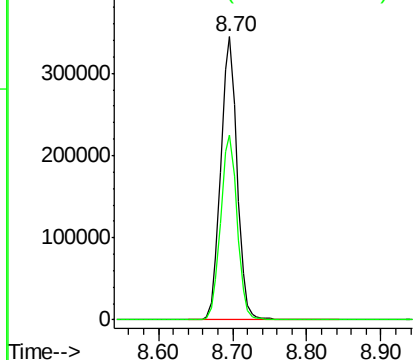


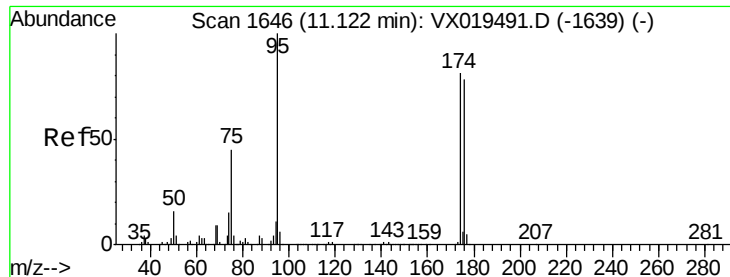
#50
Toluene-d8
Concen: 48.074 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019501.D
Acq: 20 Nov 2020 17:26

Tgt Ion: 98 Resp: 524885
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6



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

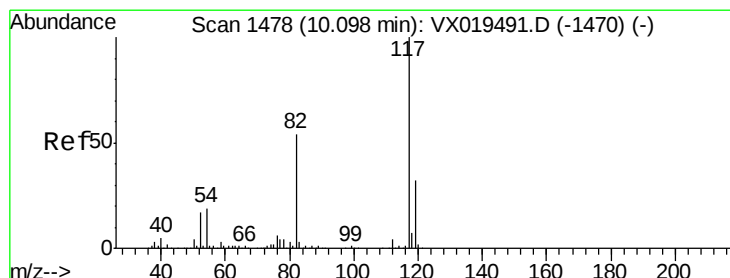
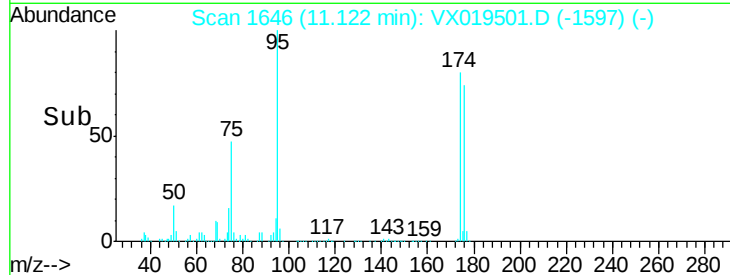
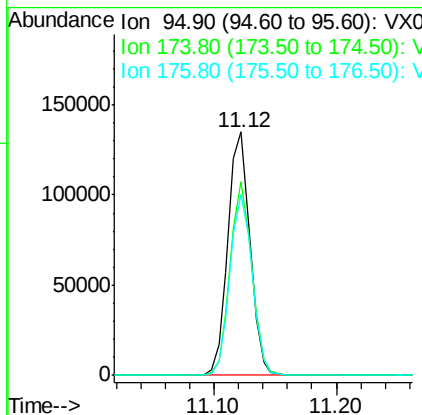
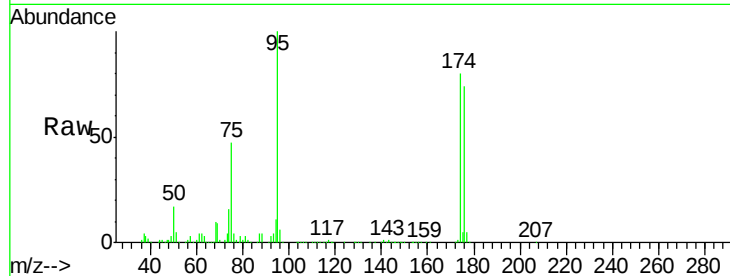




#62
 4-Bromofluorobenzene
 Concen: 42.843 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX019501.D
 Acq: 20 Nov 2020 17:26

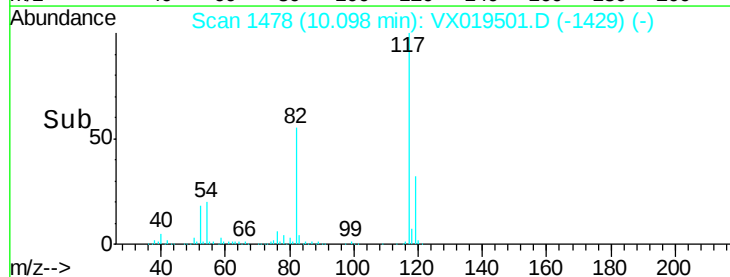
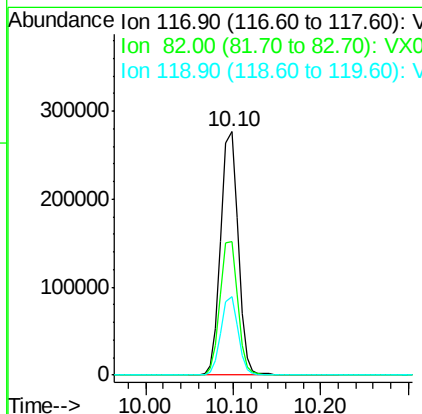
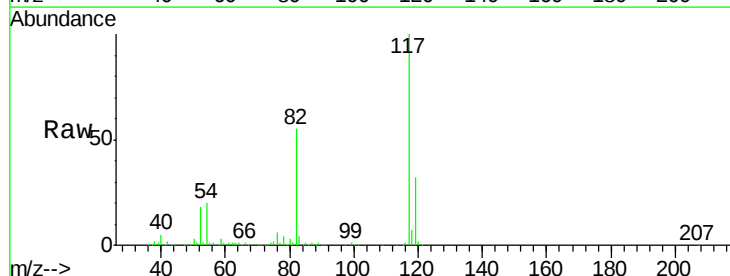
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

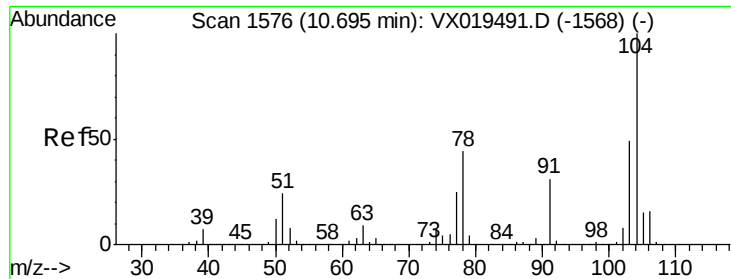
Tot Ion: 95 Resp: 168299
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 156.2
 176 74.4 0.0 151.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1478
 Delta R.T. 0.00 min
 Lab File: VX019501.D
 Acq: 20 Nov 2020 17:26

Tgt Ion: 117 Resp: 381019
 Ion Ratio Lower Upper
 117 100
 82 54.9 43.0 64.4
 119 32.2 25.6 38.4

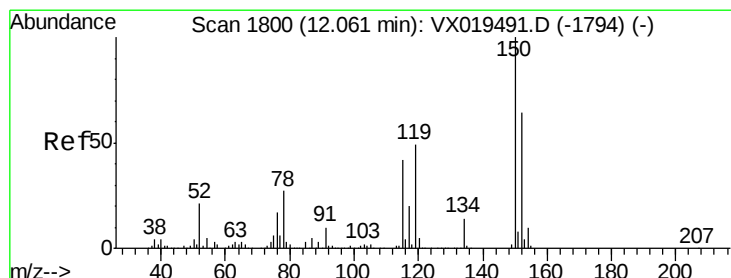
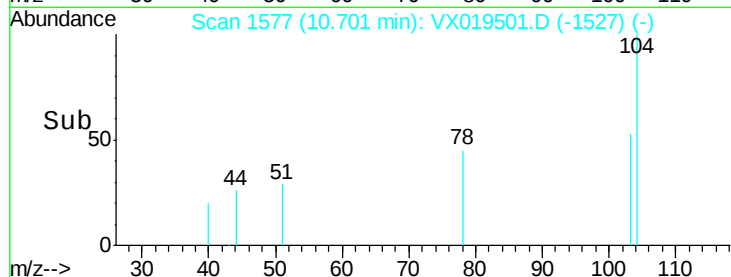
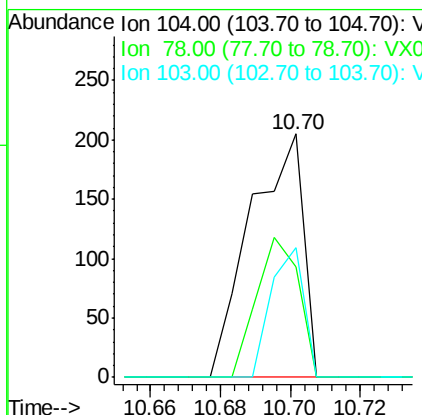
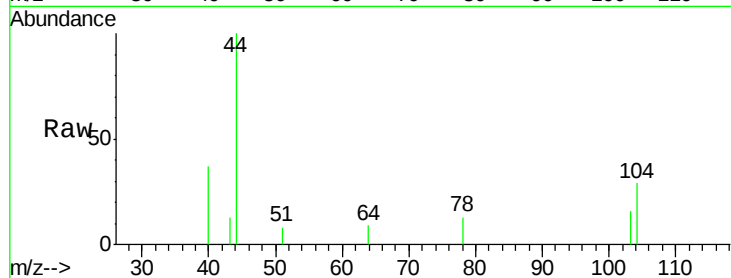




#70
Stvrene
Concen: 1.669 ug/l
RT: 10.70 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VX019501.D
Acq: 20 Nov 2020 17:26

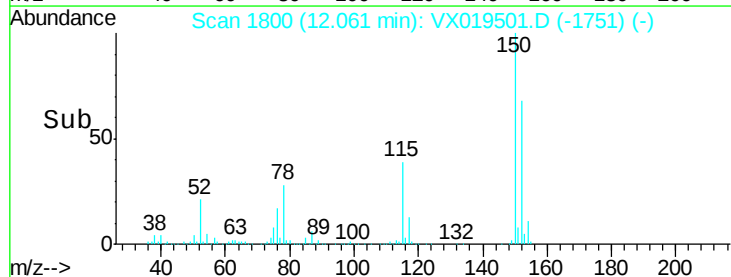
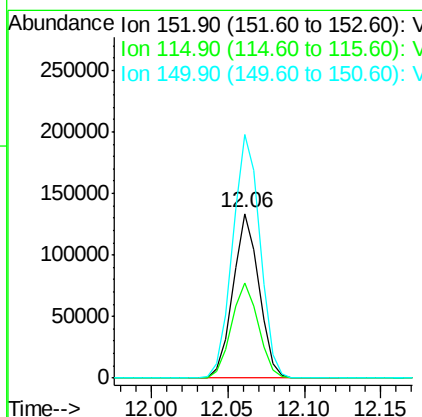
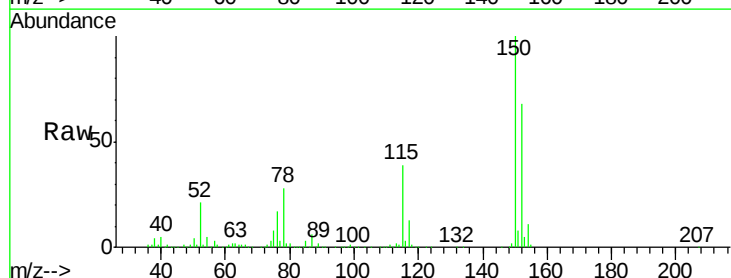
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

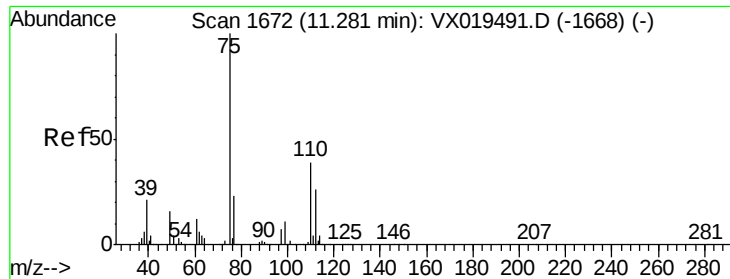
Tot Ion:104 Resp: 215
Ion Ratio Lower Upper
104 100
78 45.6 39.5 59.3
103 33.0 43.6 65.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019501.D
Acq: 20 Nov 2020 17:26

Tgt Ion:152 Resp: 157675
Ion Ratio Lower Upper
152 100
115 59.8 41.8 125.4
150 155.4 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 23.779 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019501.D

Acq: 20 Nov 2020 17:26

Instrument :

MSVOA_X

ClientSampleId :

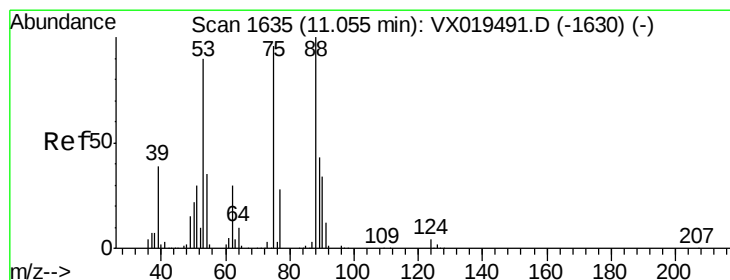
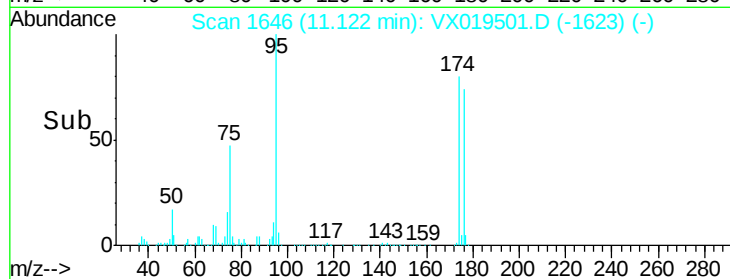
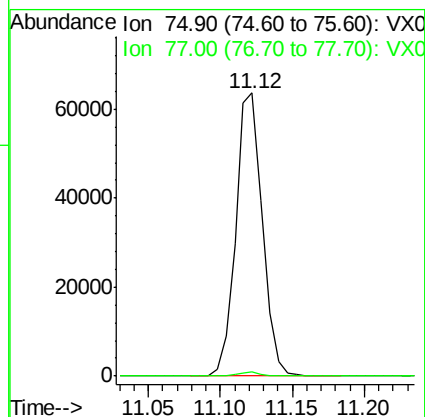
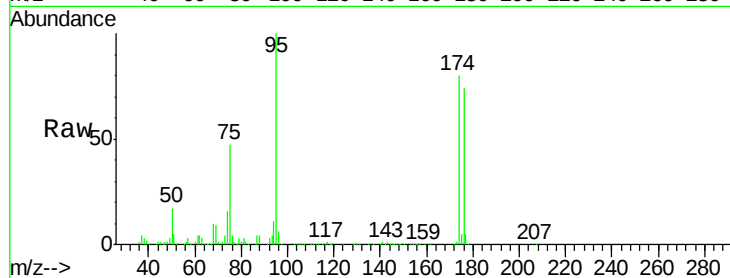
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 81822

Ion Ratio Lower Upper

75 100

77 1.2 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.020 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019501.D

Acq: 20 Nov 2020 17:26

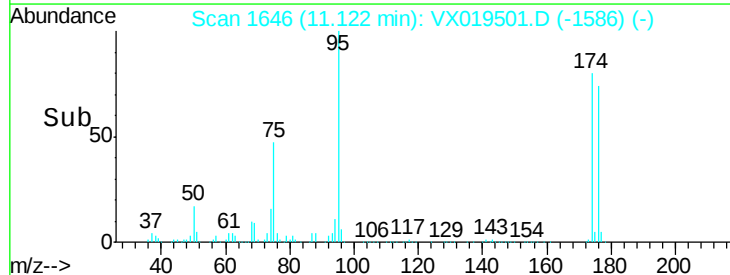
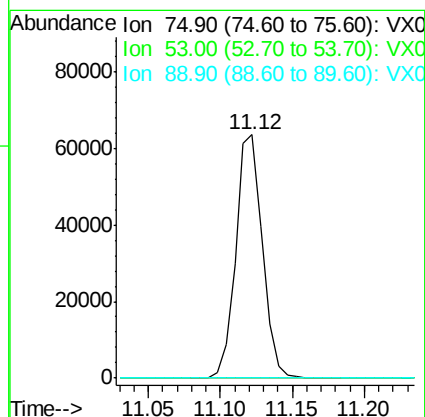
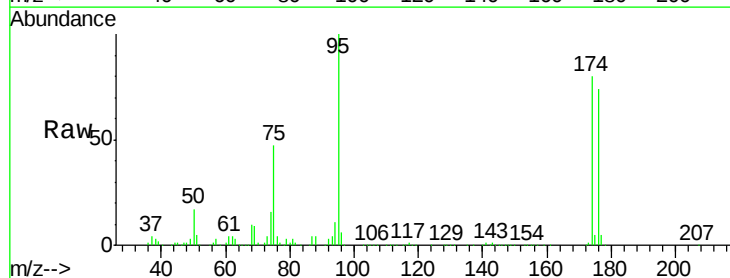
Tgt Ion: 75 Resp: 81822

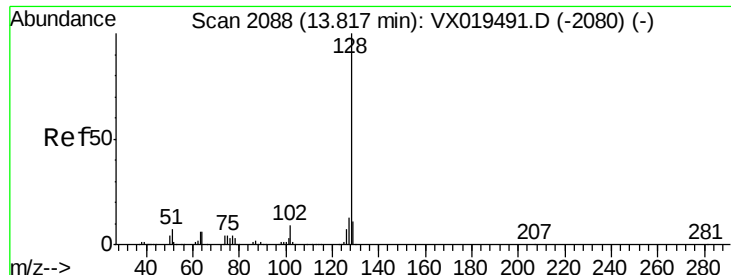
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#





#95

Naphthalene

Concen: 2.219 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019501.D

Acq: 20 Nov 2020 17:26

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

Tot Ion:128 Resp: 492

Ion Ratio Lower Upper

128 100

127 20.7 10.3 15.5#

129 0.0 8.7 13.1#

