

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018497.D
 Acq On : 18 Sep 2020 17:03
 Operator : JC/SP
 Sample : L4087-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Sep 19 01:57:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	579302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	932132	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	853761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	439395	50.00	ug/l	0.00

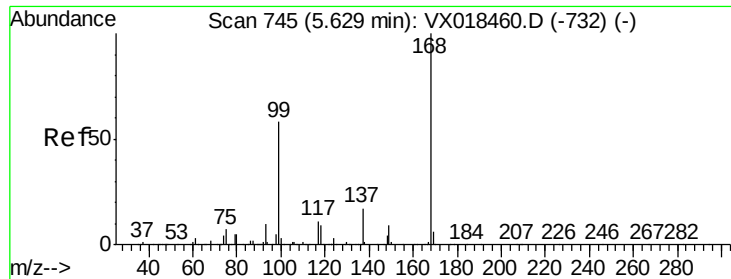
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	387496	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
35) Dibromofluoromethane	5.46	113	303854	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
50) Toluene-d8	8.70	98	1115707	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
62) 4-Bromofluorobenzene	11.12	95	424340	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	

Target Compounds

						Qvalue
10) Methyl Iodide	2.51	142	455	4.974	ug/l #	54
11) Tert butyl alcohol	3.02	59	530	0.372	ug/l #	72
13) Acrolein	2.28	56	425	0.471	ug/l	92
15) Acrylonitrile	3.13	53	1000	0.294	ug/l #	62
16) Acetone	2.42	43	5506	1.757	ug/l #	80
20) Methylene Chloride	2.84	84	2476	0.358	ug/l #	71
25) 2-Butanone	4.64	43	989	0.203	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	43162	4.771	ug/l #	52
38) Carbon Tetrachloride	5.64	117	58883	5.877	ug/l #	18
49) 1,4-Dioxane	7.80	88	297	2.303	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	215781	23.369	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	215781	59.883	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX018497.D

Acq: 18 Sep 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

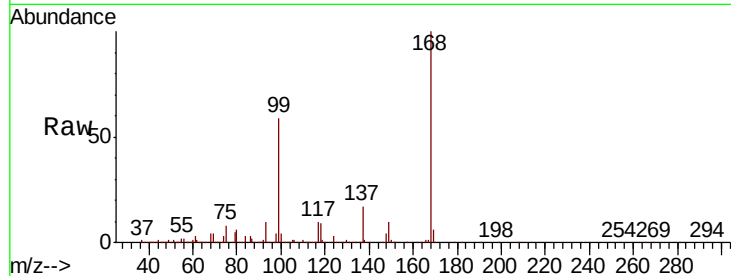
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 579302

Ion Ratio Lower Upper

168 100

99 59.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

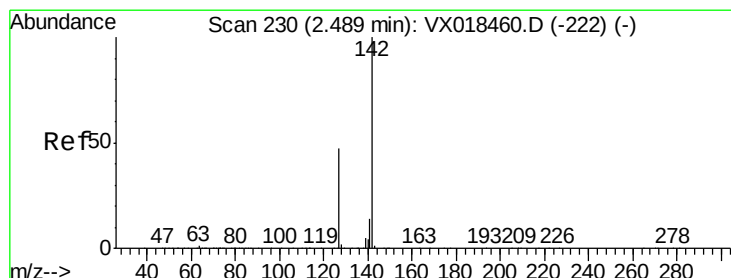
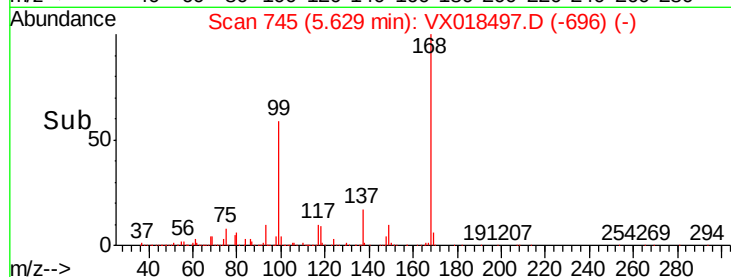
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 4.974 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX018497.D

Acq: 18 Sep 2020 17:03

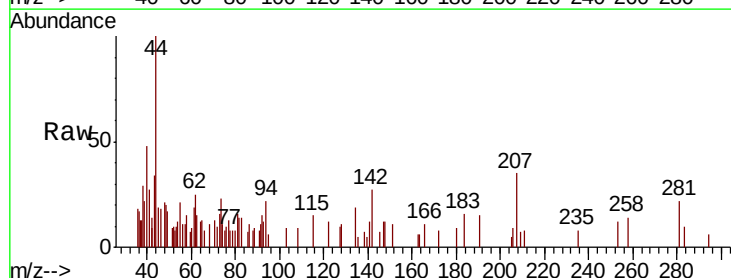
Tgt Ion:142 Resp: 455

Ion Ratio Lower Upper

142 100

127 28.8 36.0 54.0#

141 60.9 11.9 17.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.51

400

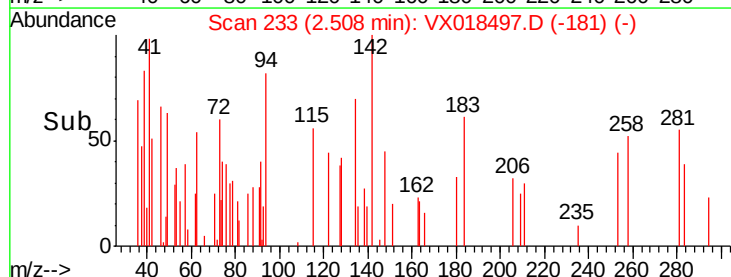
300

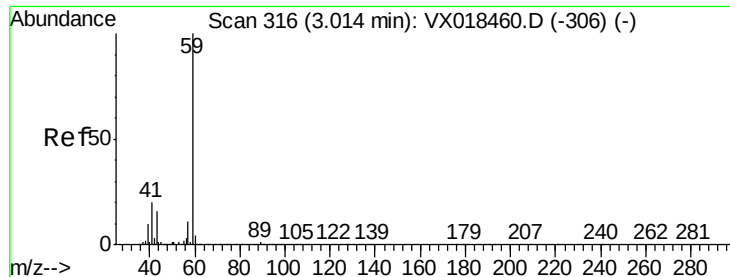
200

100

0

Time-->



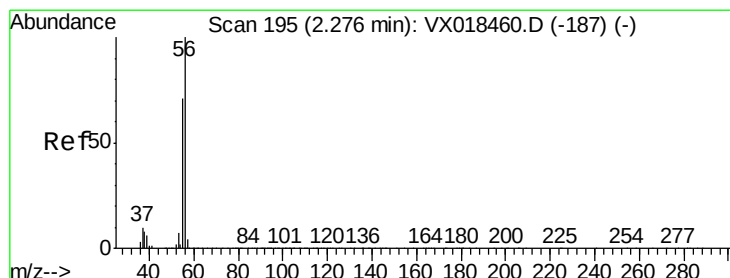
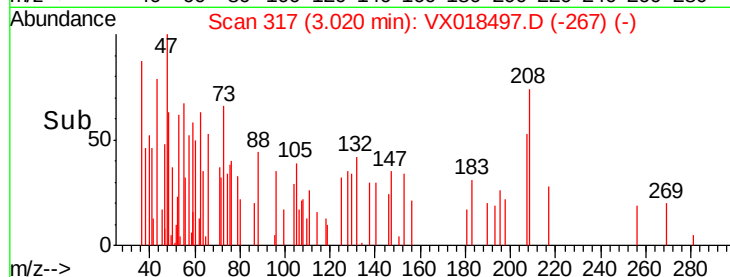
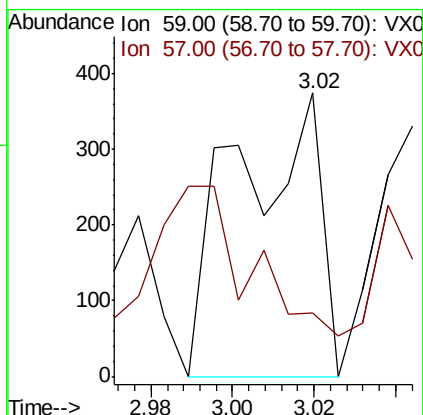
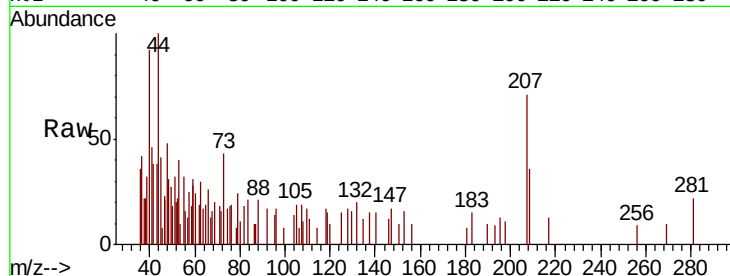


#11

Tert butyl alcohol
 Concen: 0.372 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX018497.D
 Acq: 18 Sep 2020 17:03

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

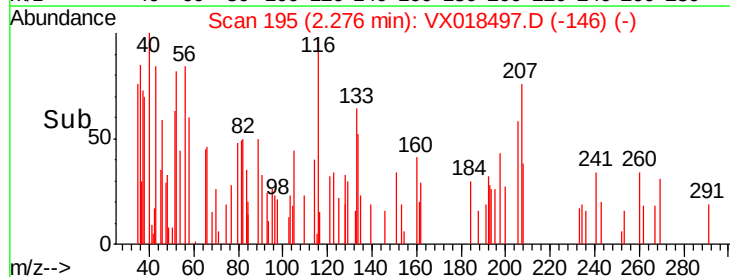
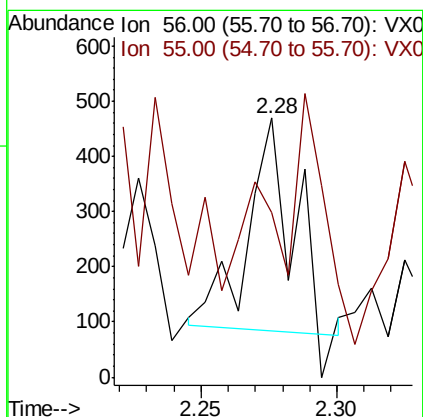
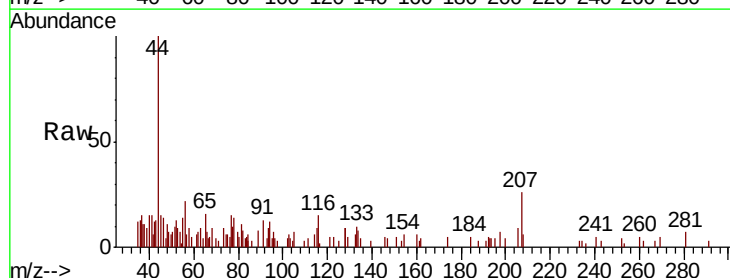
Tot Ion: 59 Resp: 530
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

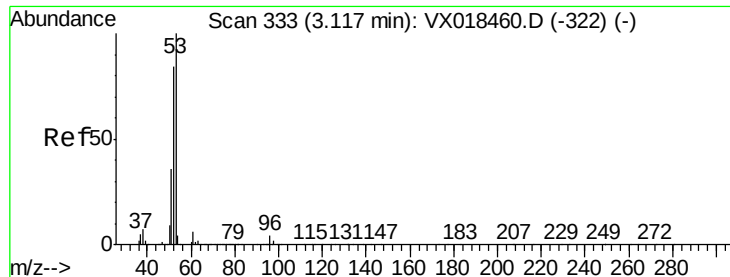


#13

Acrolein
 Concen: 0.471 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.00 min
 Lab File: VX018497.D
 Acq: 18 Sep 2020 17:03

Tgt Ion: 56 Resp: 425
 Ion Ratio Lower Upper
 56 100
 55 65.9 58.2 87.4





#15

Acrylonitrile

Concen: 0.294 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX018497.D

Acq: 18 Sep 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

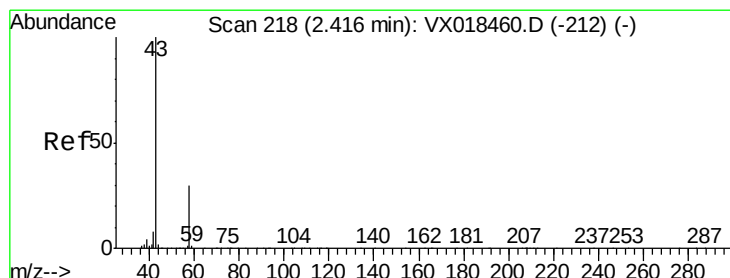
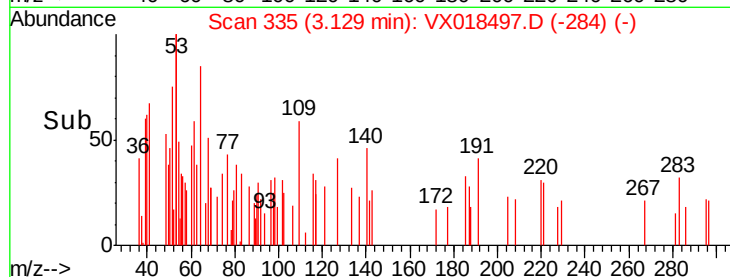
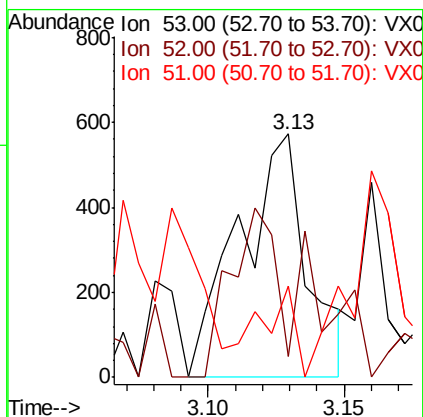
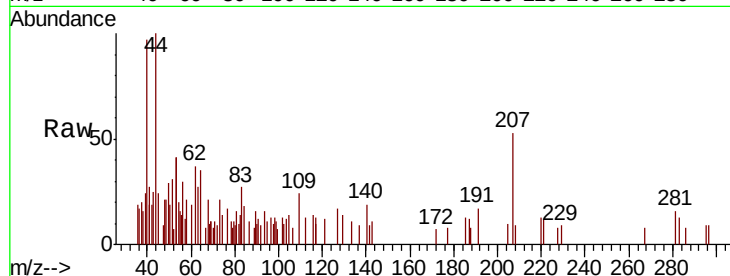
Tot Ion: 53 Resp: 1000

Ion Ratio Lower Upper

53 100

52 46.5 65.8 98.8#

51 17.3 29.2 43.8#



#16

Acetone

Concen: 1.757 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018497.D

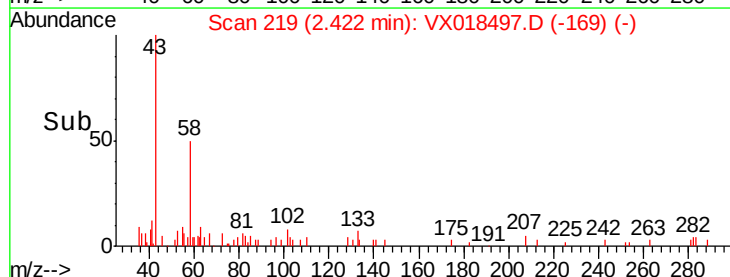
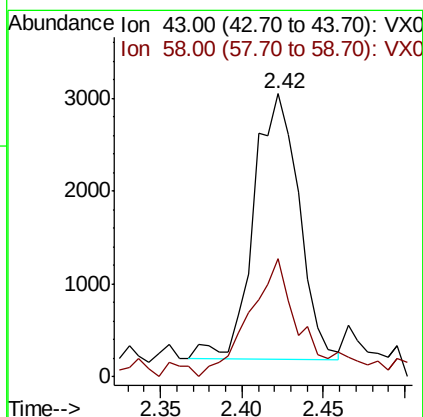
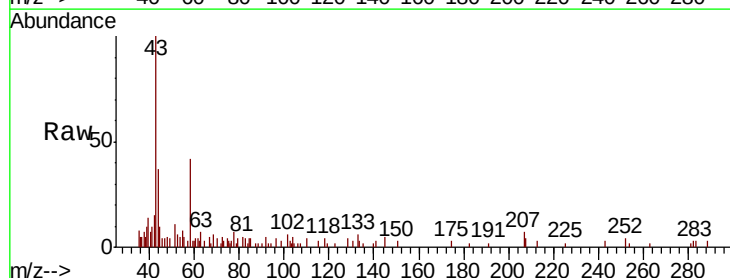
Acq: 18 Sep 2020 17:03

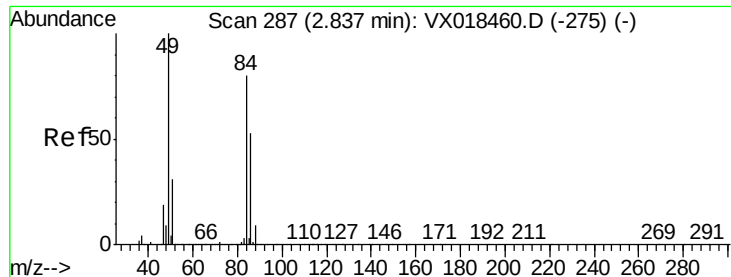
Tgt Ion: 43 Resp: 5506

Ion Ratio Lower Upper

43 100

58 40.9 24.0 36.0#

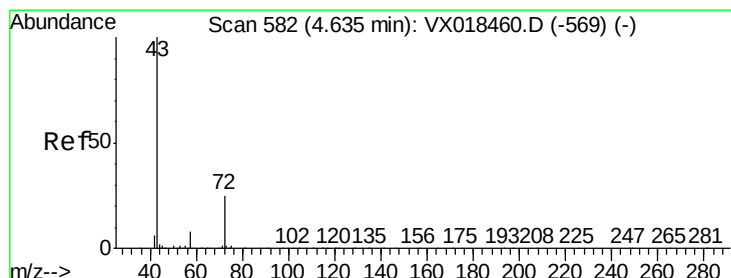
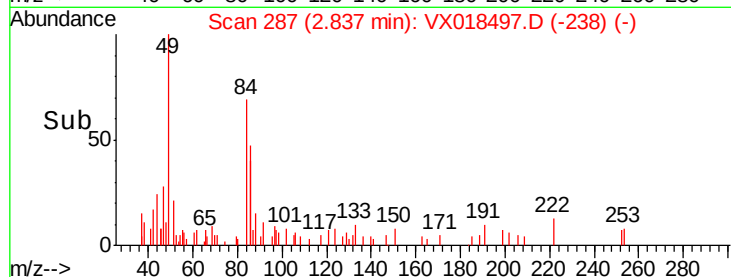
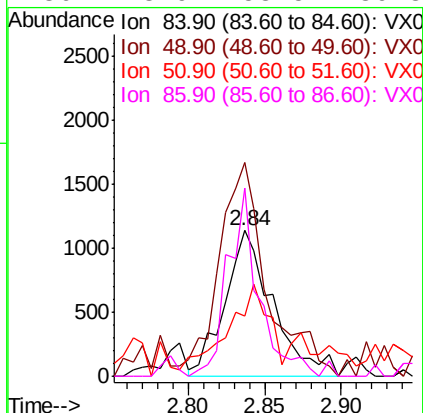
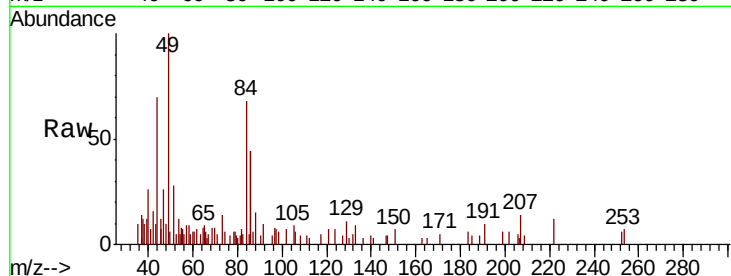




#20
Methylene Chloride
Concen: 0.358 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018497.D
Acq: 18 Sep 2020 17:03

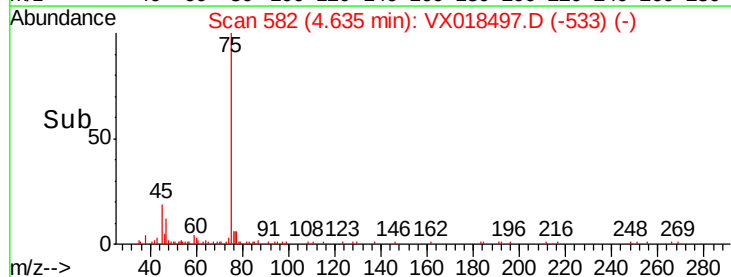
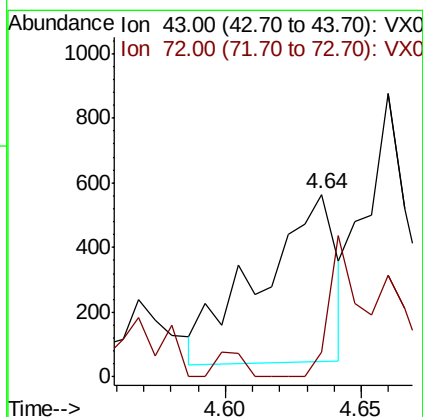
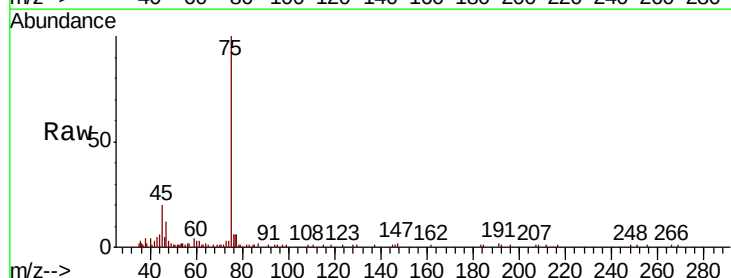
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

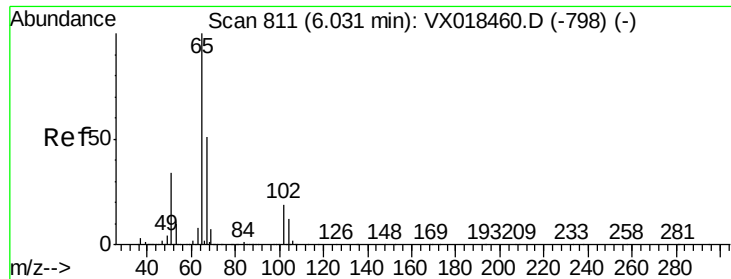
Tot Ion:	84	Resp:	2476
Ion	Ratio	Lower	Upper
84	100		
49	134.9	100.6	151.0
51	28.7	30.9	46.3#
86	128.9	53.5	80.3#



#25
2-Butanone
Concen: 0.203 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX018497.D
Acq: 18 Sep 2020 17:03

Tgt Ion:	43	Resp:	989
Ion	Ratio	Lower	Upper
43	100		
72	96.8	20.2	30.4#

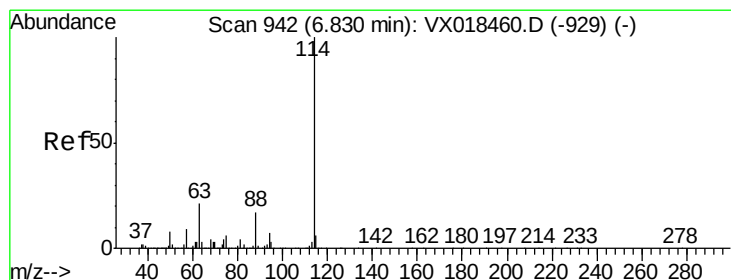
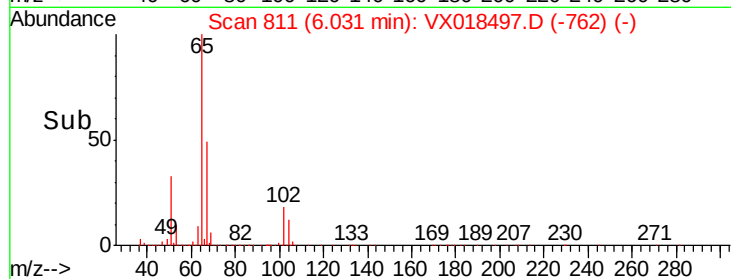
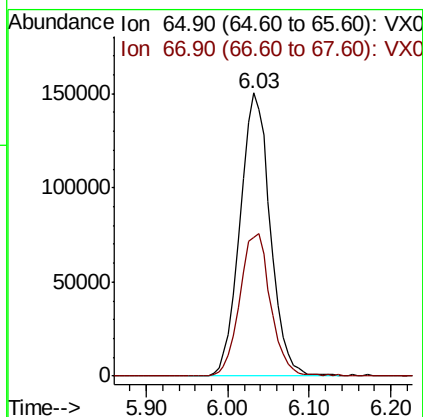
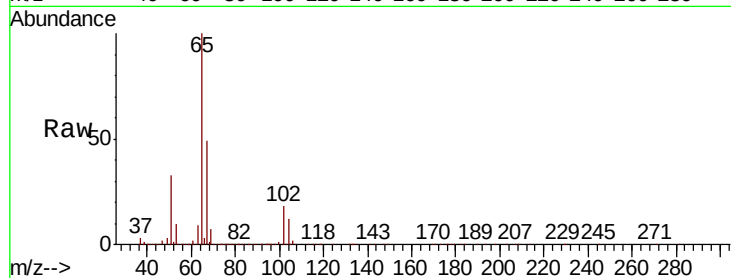




#33
 1,2-Dichloroethane-d4
 Concen: 47.284 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX018497.D
 Acq: 18 Sep 2020 17:03

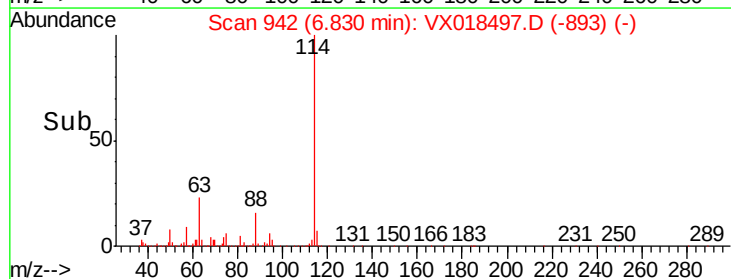
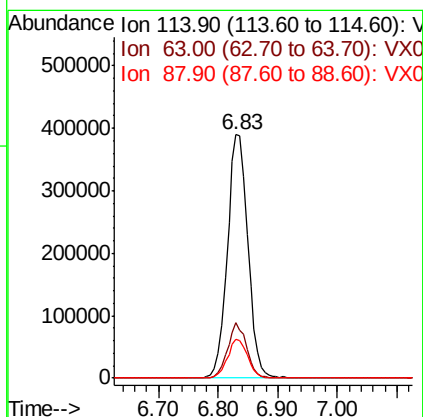
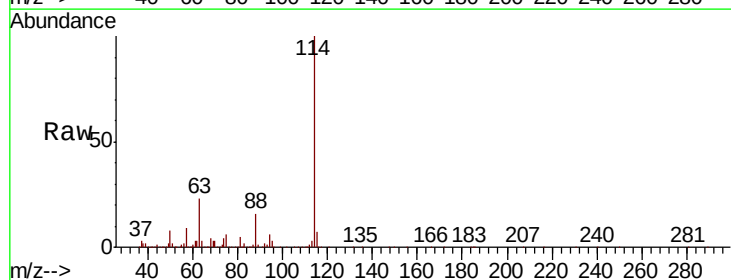
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

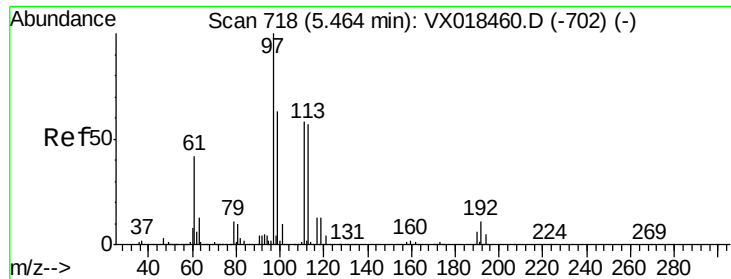
Tot Ion: 65 Resp: 387496
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX018497.D
 Acq: 18 Sep 2020 17:03

Tgt Ion: 114 Resp: 932132
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 42.8
 88 16.1 0.0 33.6

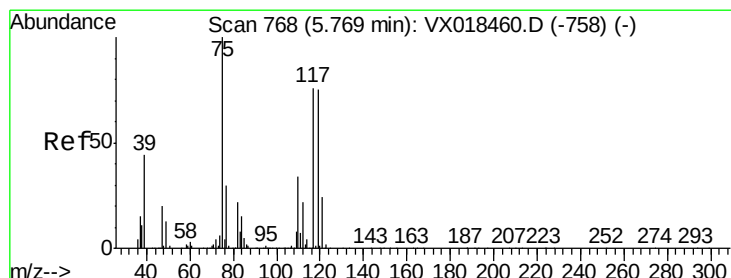
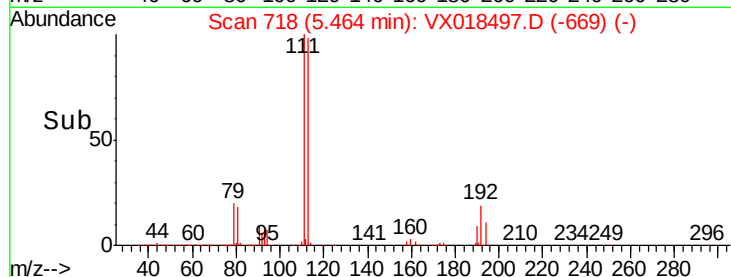
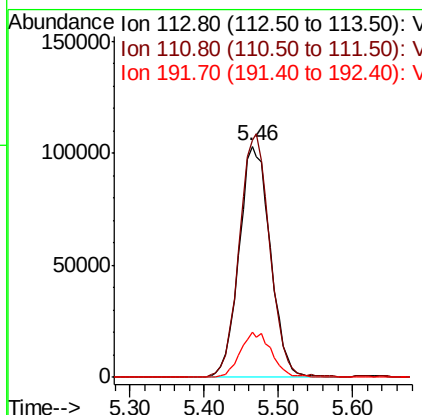
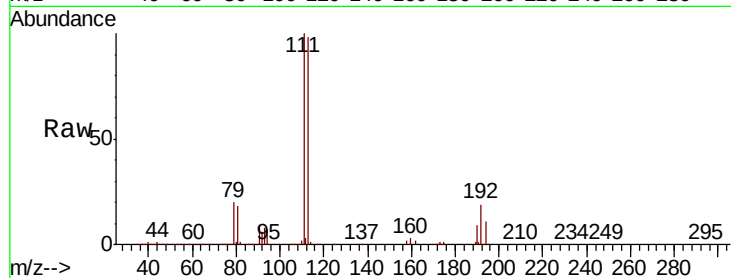




#35
 Dibromofluoromethane
 Concen: 47.153 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX018497.D
 Acq: 18 Sep 2020 17:03

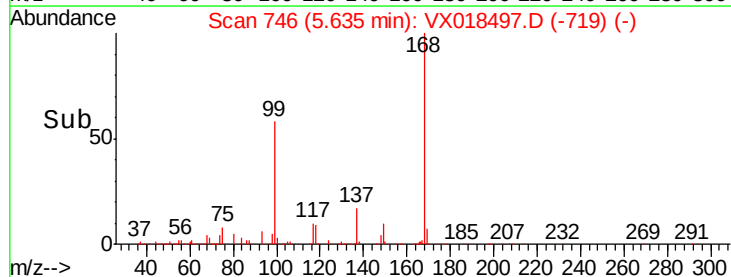
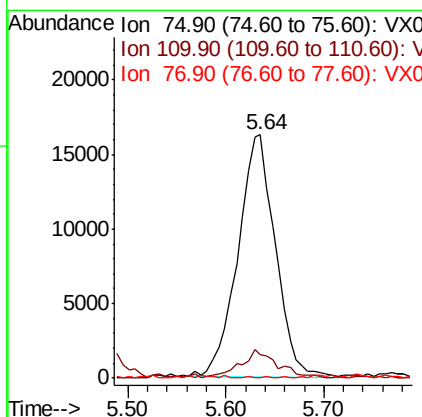
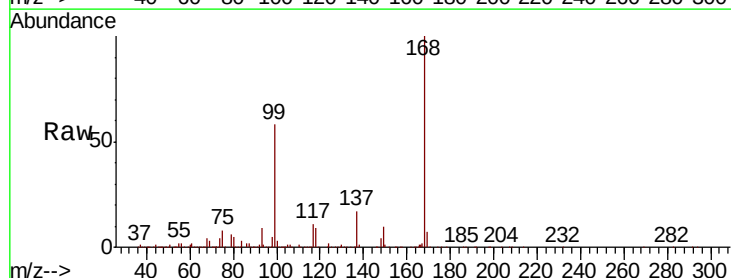
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

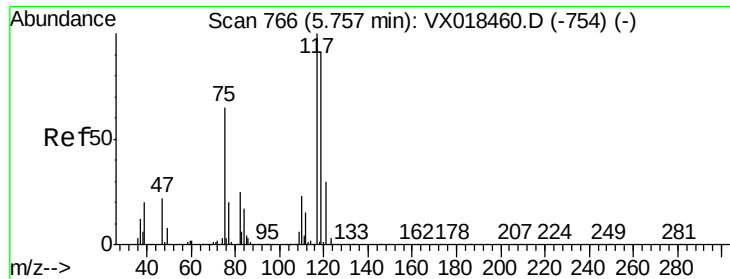
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.2
192	19.5	16.6	24.8



#36
 1,1-Dichloropropene
 Concen: 4.771 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX018497.D
 Acq: 18 Sep 2020 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.8	17.6	52.8#
77	0.1	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.877 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018497.D

Acq: 18 Sep 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

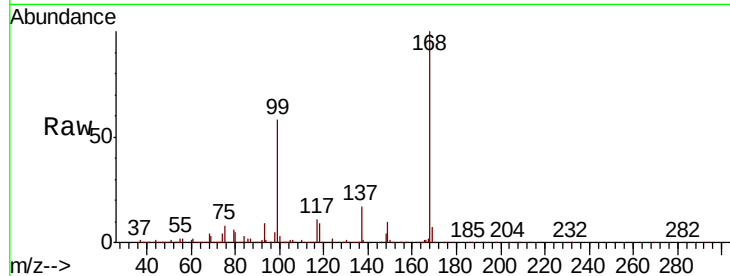
Tot Ion:117 Resp: 58883

Ion Ratio Lower Upper

117 100

119 4.4 72.3 108.5#

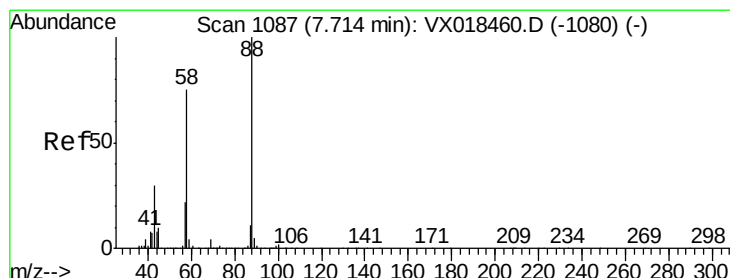
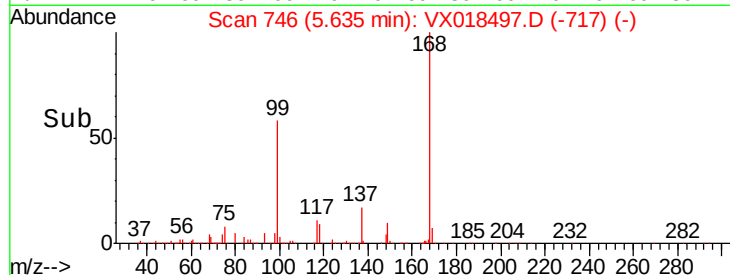
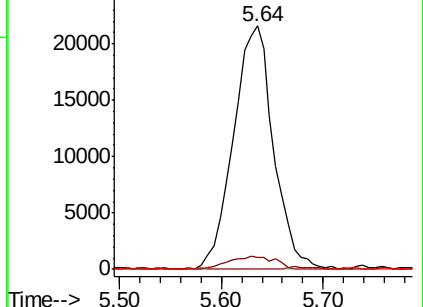
121 0.0 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 2.303 ug/l

RT: 7.80 min Scan# 1101

Delta R.T. 0.09 min

Lab File: VX018497.D

Acq: 18 Sep 2020 17:03

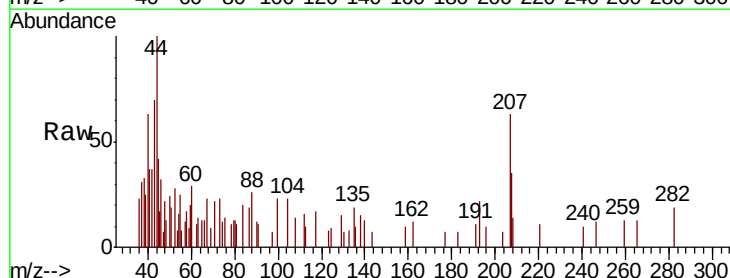
Tgt Ion: 88 Resp: 297

Ion Ratio Lower Upper

88 100

43 37.0 29.9 44.9

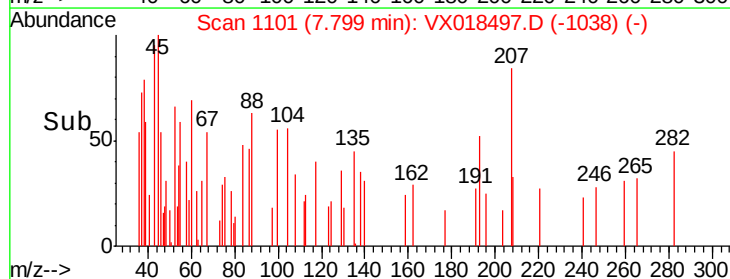
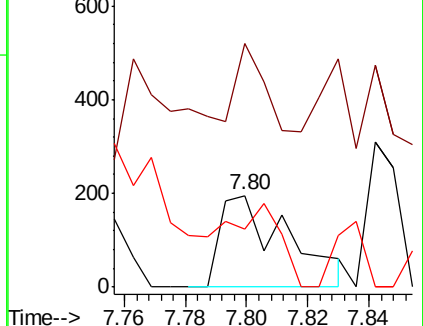
58 68.7 59.0 88.6

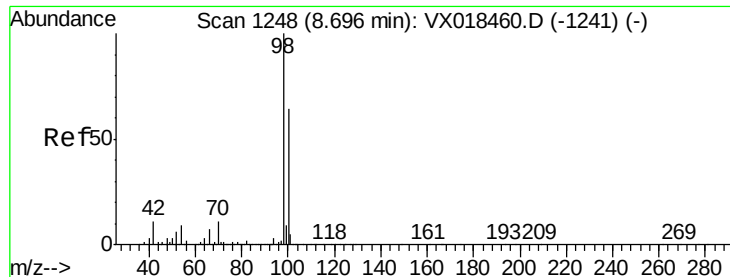


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.653 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018497.D

Acq: 18 Sep 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

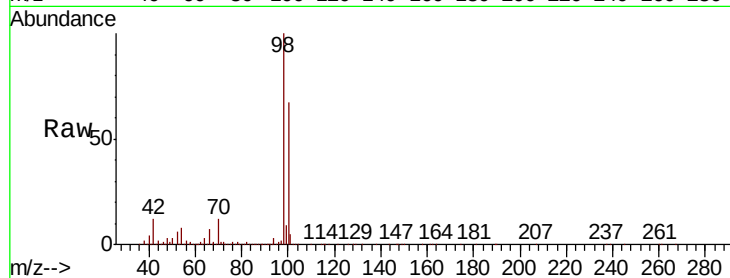
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 98 Resp: 1115707

Ion Ratio Lower Upper

98 100

100 65.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

800000

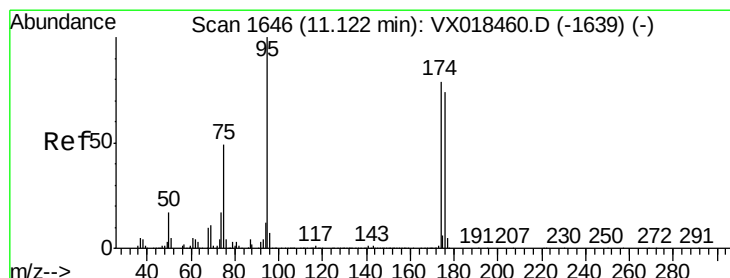
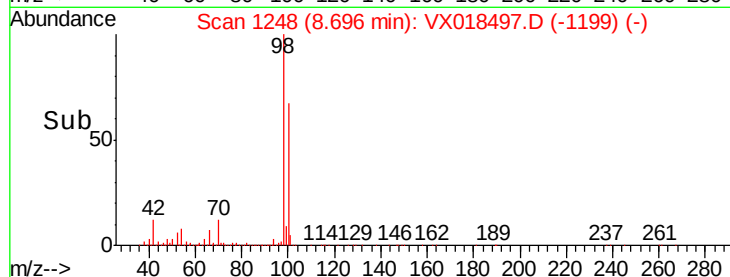
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.563 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018497.D

Acq: 18 Sep 2020 17:03

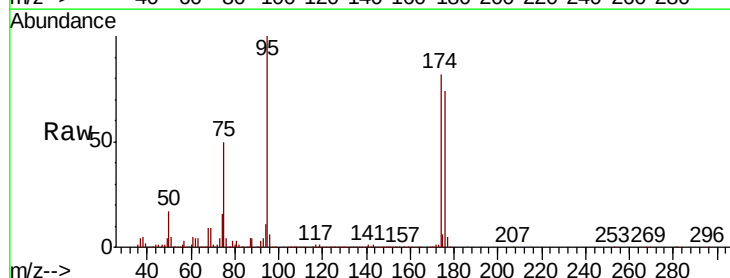
Tgt Ion: 95 Resp: 424340

Ion Ratio Lower Upper

95 100

174 80.8 0.0 161.4

176 77.2 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

400000

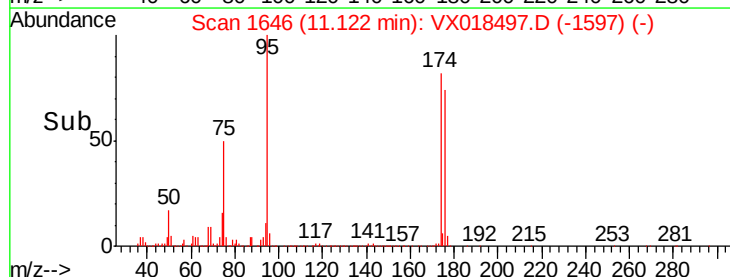
300000

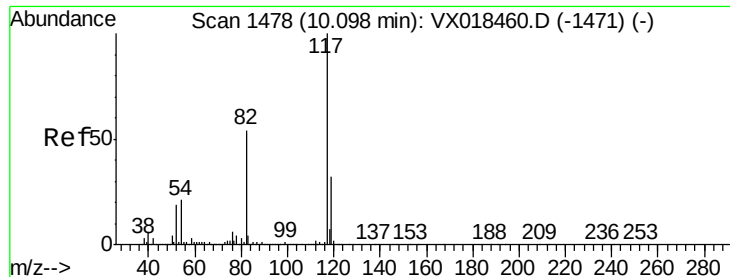
200000

100000

0

Time-->

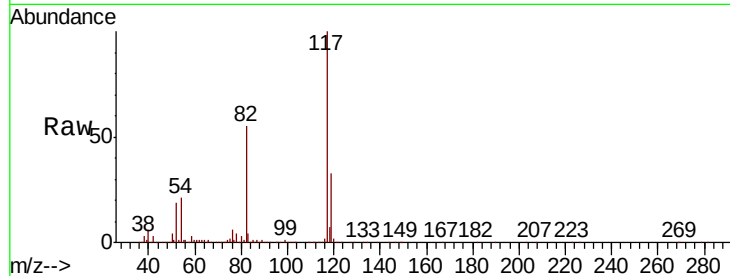




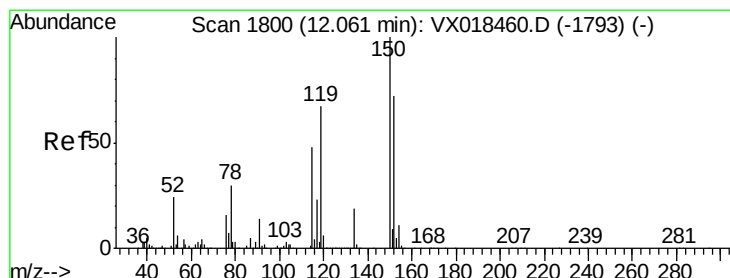
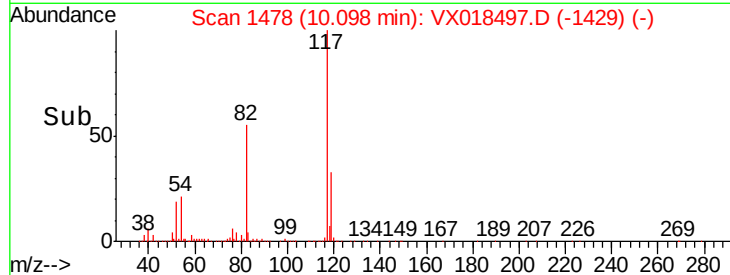
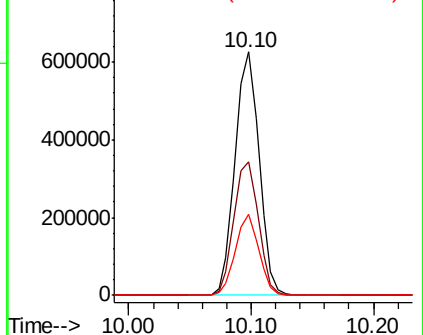
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018497.D
Acq: 18 Sep 2020 17:03

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

Tot Ion:117 Resp: 853761
Ion Ratio Lower Upper
117 100
82 55.1 43.3 64.9
119 33.3 25.9 38.9

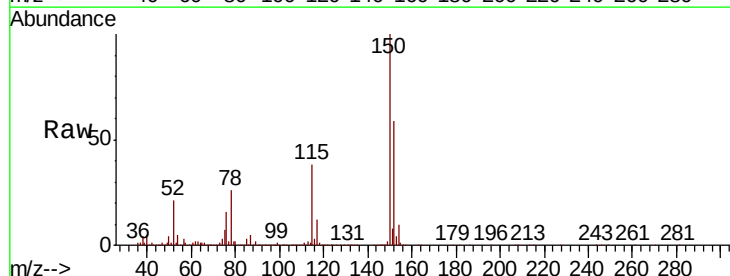


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

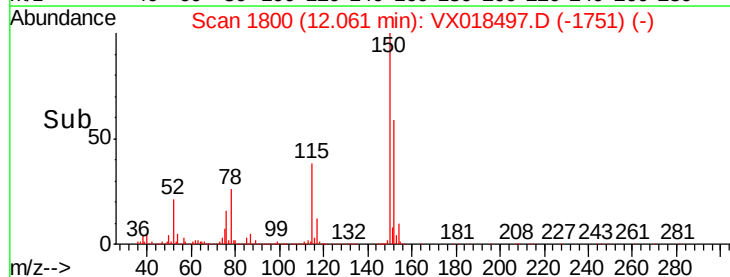
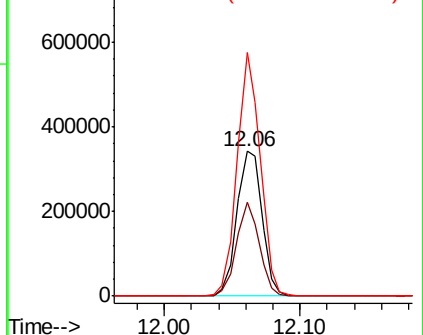


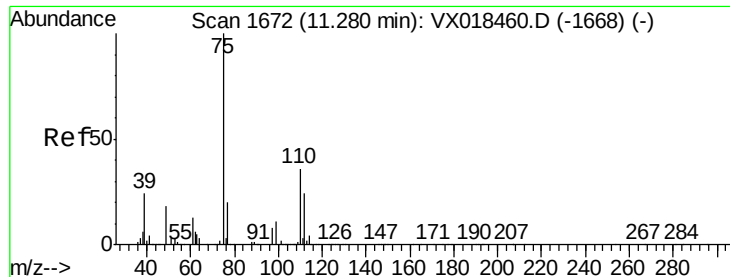
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018497.D
Acq: 18 Sep 2020 17:03

Tgt Ion:152 Resp: 439395
Ion Ratio Lower Upper
152 100
115 59.2 41.8 125.4
150 154.9 0.0 342.4



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: 23.369 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018497.D

Acq: 18 Sep 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

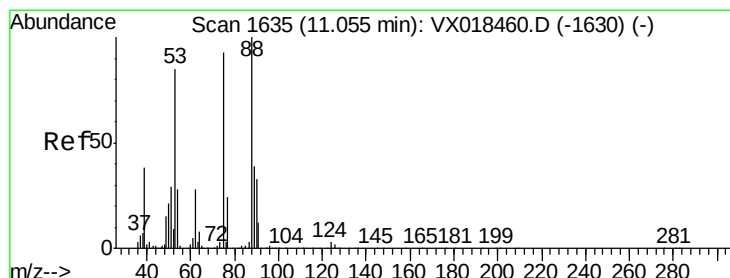
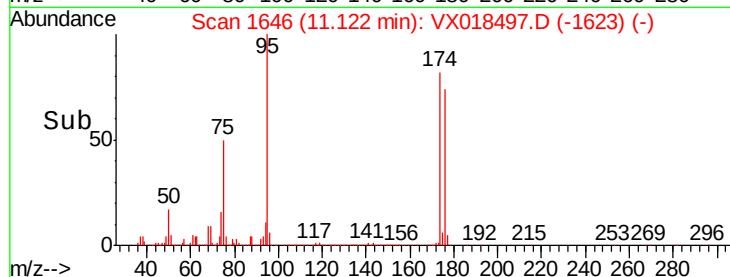
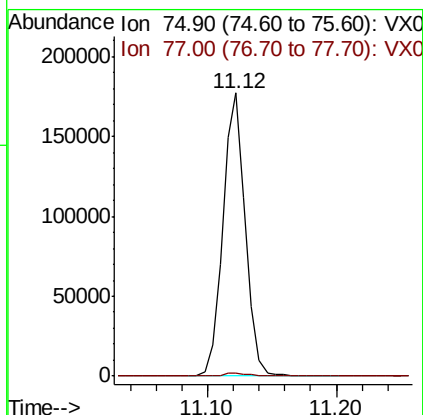
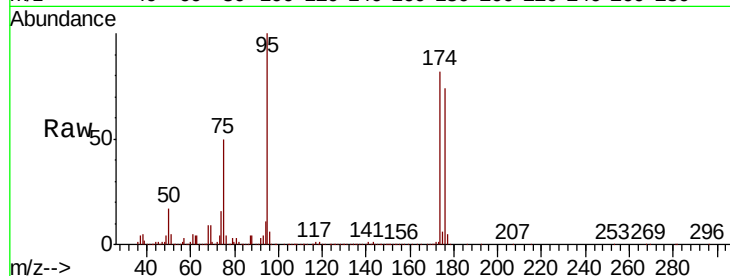
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 215781

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.883 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018497.D

Acq: 18 Sep 2020 17:03

Tgt Ion: 75 Resp: 215781

Ion Ratio Lower Upper

75 100

53 0.2 74.6 111.8#

89 0.1 36.2 54.4#

