

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019726.D
 Acq On : 04 Dec 2020 18:54
 Operator : JC/MD
 Sample : L4959-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Dec 05 03:49:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	336845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	555227	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	498578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222679	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	208721	47.15	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.30%
35) Dibromofluoromethane	5.46	113	166854	46.50	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.00%
50) Toluene-d8	8.70	98	661988	48.32	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.64%
62) 4-Bromofluorobenzene	11.12	95	235773	45.22	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.44%

Target Compounds

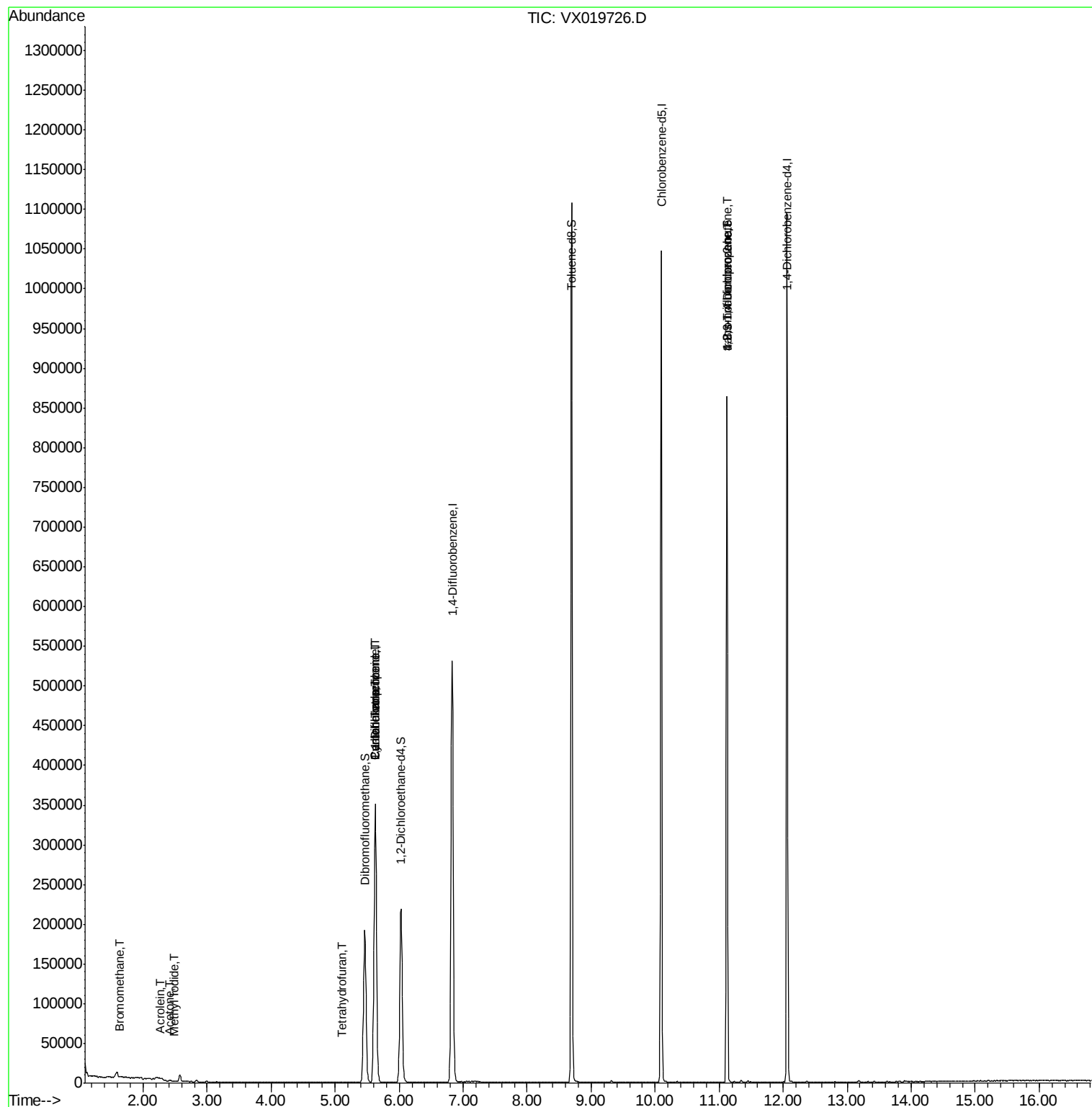
					Qvalue	
5) Bromomethane	1.63	94	731	0.576	ug/l #	53
10) Methyl Iodide	2.50	142	919	0.204	ug/l #	91
11) Tert butyl alcohol	2.99	59	832	Below Cal	#	73
13) Acrolein	2.27	56	360	0.737	ug/l #	14
16) Acetone	2.42	43	1565	0.940	ug/l	88
20) Methylene Chloride	2.83	84	912	Below Cal		93
29) Tetrahydrofuran	5.10	42	386	0.234	ug/l #	39
31) Cyclohexane	5.63	56	6601	1.199	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	25050	4.993	ug/l #	49
38) Carbon Tetrachloride	5.63	117	32934	6.703	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	113225	22.671	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	113225	65.537	ug/l #	12

(#) = 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. 0.01 min

Lab File: VX019726.D

Acq: 04 Dec 2020 18:54

Instrument :

MSVOA_X

ClientSampleId :

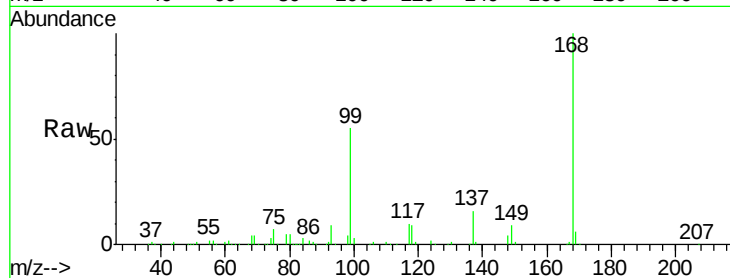
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 336845

Ion Ratio Lower Upper

168 100

99 55.3 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

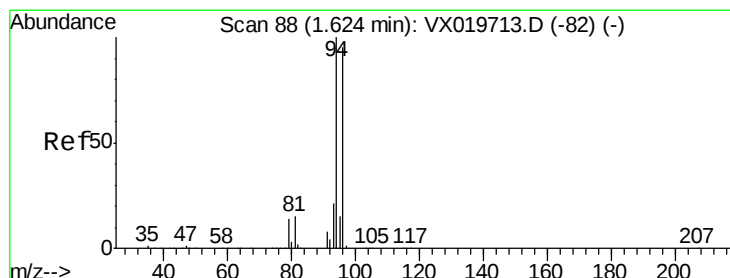
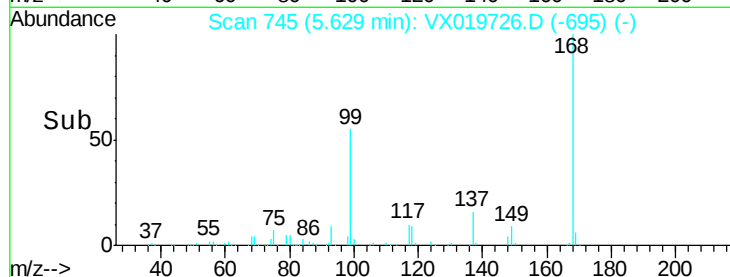
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.576 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019726.D

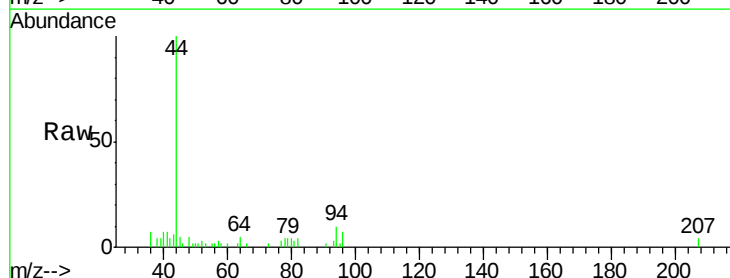
Acq: 04 Dec 2020 18:54

Tgt Ion: 94 Resp: 731

Ion Ratio Lower Upper

94 100

96 49.4 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

400

300

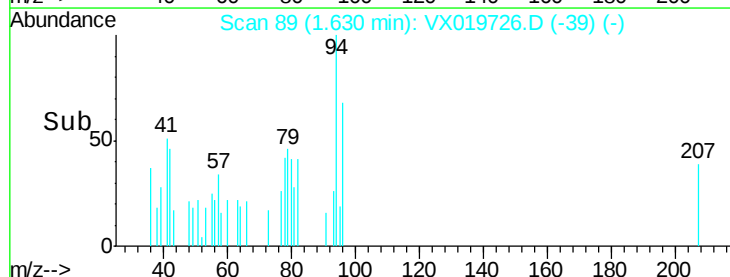
200

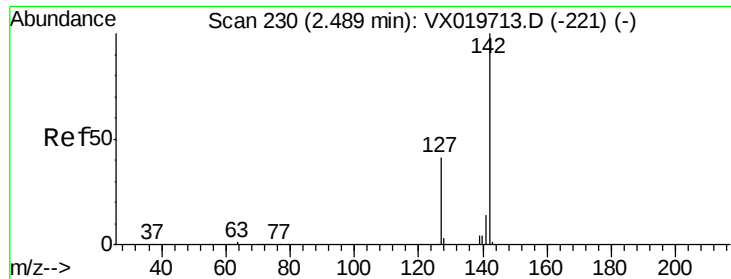
100

0

Time-->

1.60 1.65 1.70

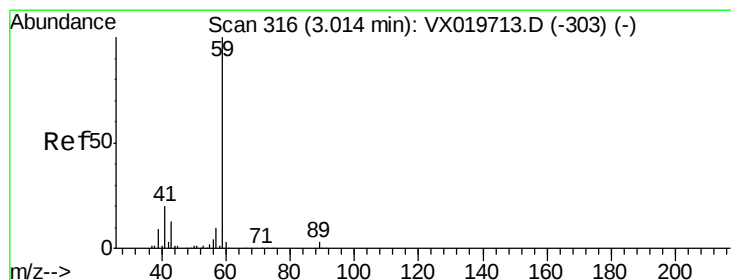
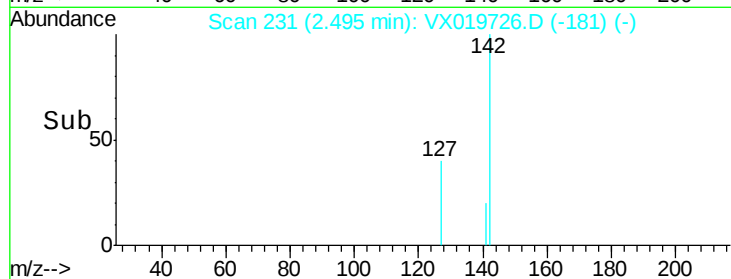
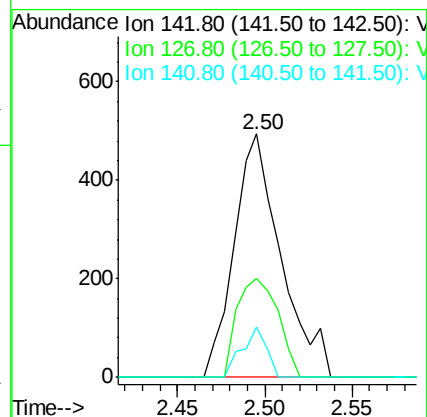
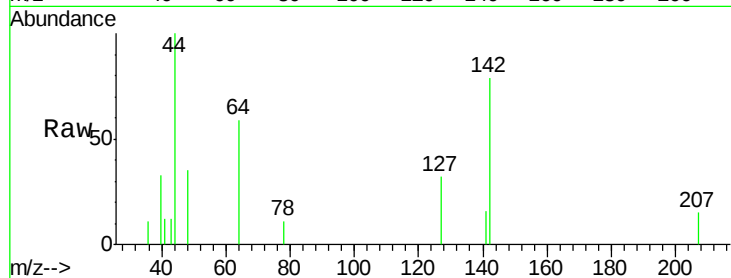




#10
Methyl Iodide
Concen: 0.204 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX019726.D
Acq: 04 Dec 2020 18:54

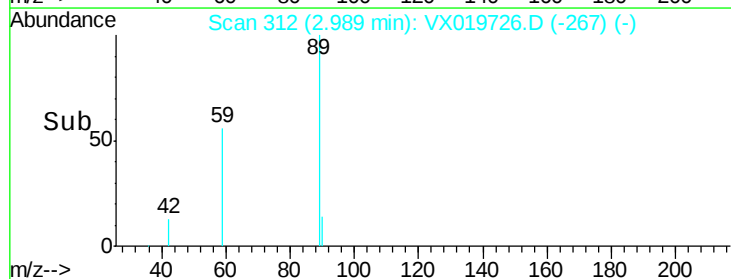
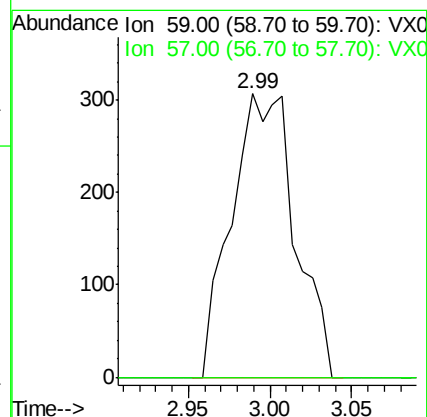
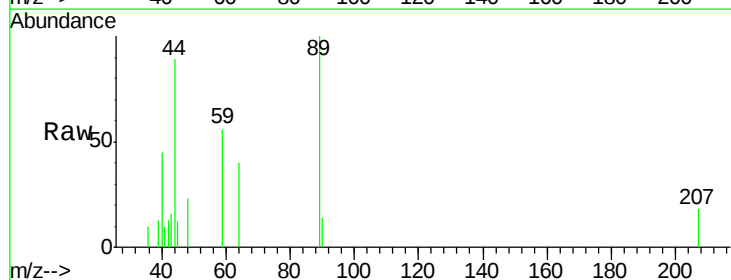
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

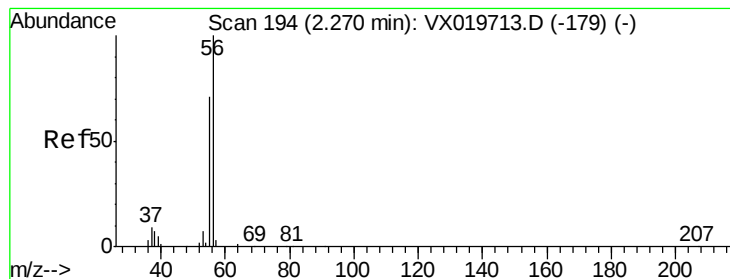
Tot Ion:142 Resp: 919
Ion Ratio Lower Upper
142 100
127 35.5 33.3 49.9
141 10.7 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX019726.D
Acq: 04 Dec 2020 18:54

Tgt Ion: 59 Resp: 832
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 0.737 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX019726.D

Acq: 04 Dec 2020 18:54

Instrument :

MSVOA_X

ClientSampleId :

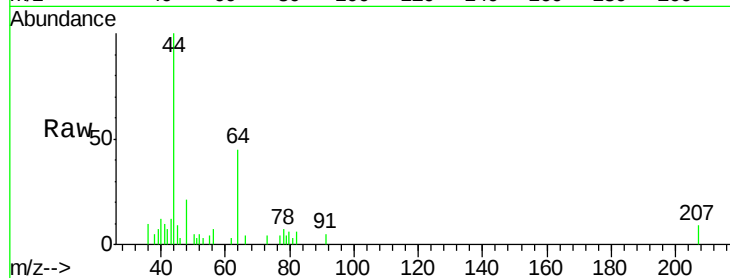
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 56 Resp: 360

Ion Ratio Lower Upper

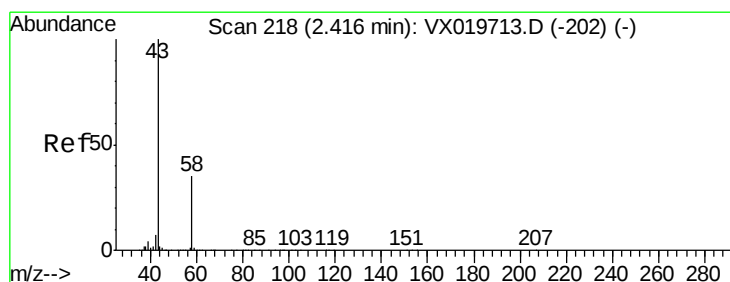
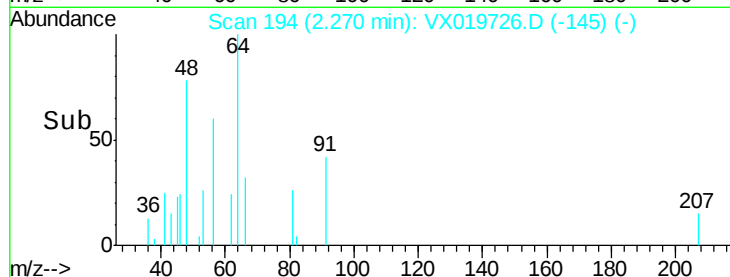
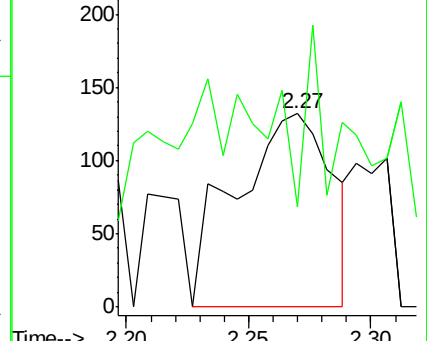
56 100

55 0.0 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.940 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019726.D

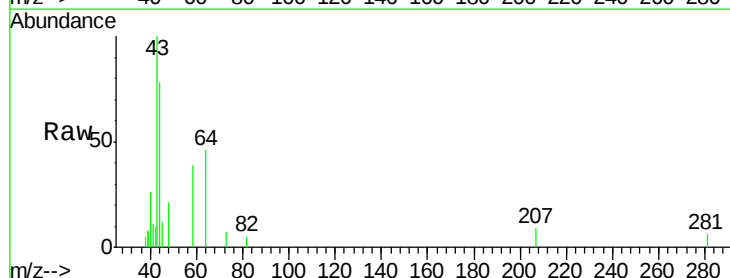
Acq: 04 Dec 2020 18:54

Tgt Ion: 43 Resp: 1565

Ion Ratio Lower Upper

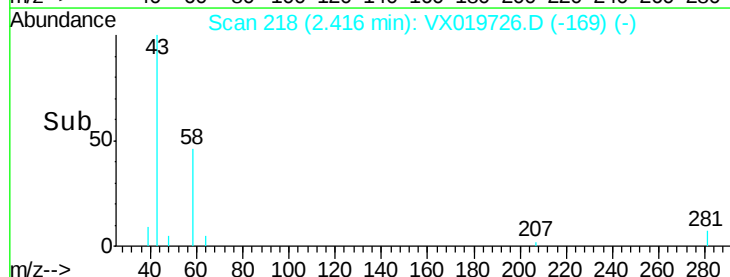
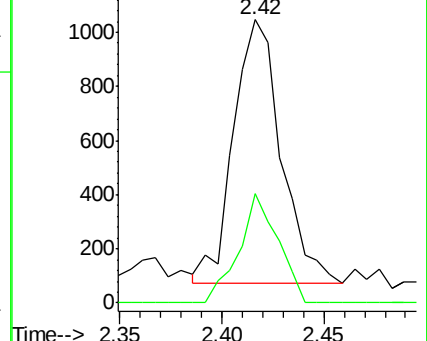
43 100

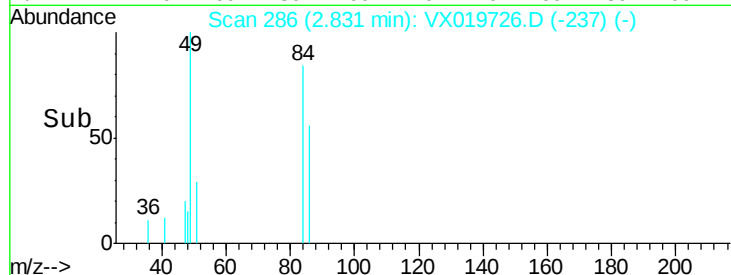
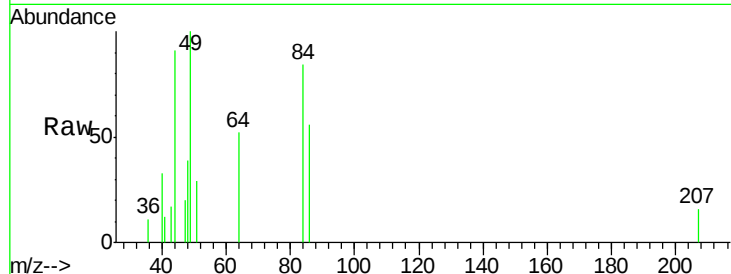
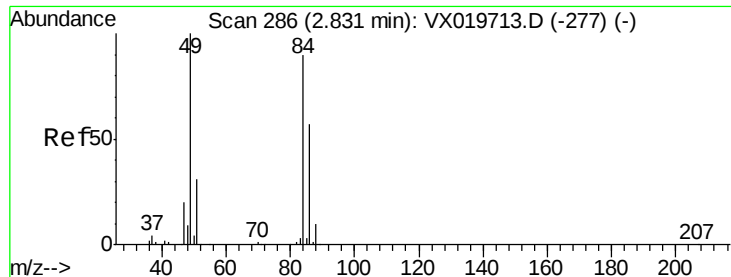
58 41.6 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

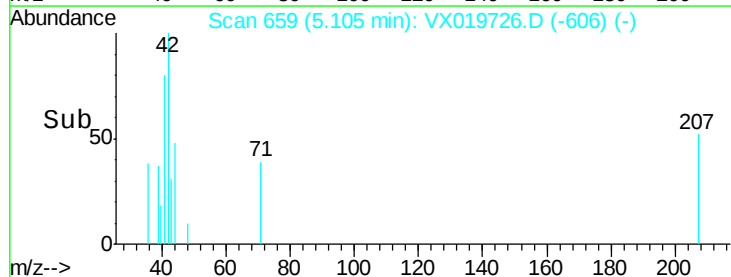
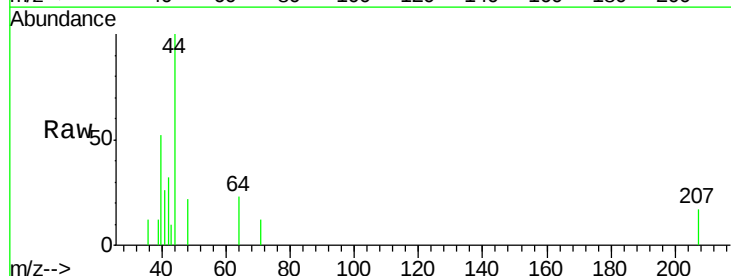
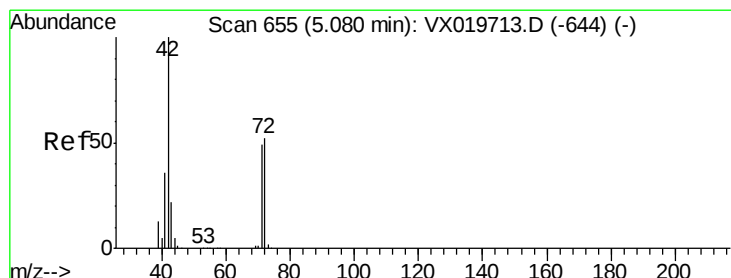
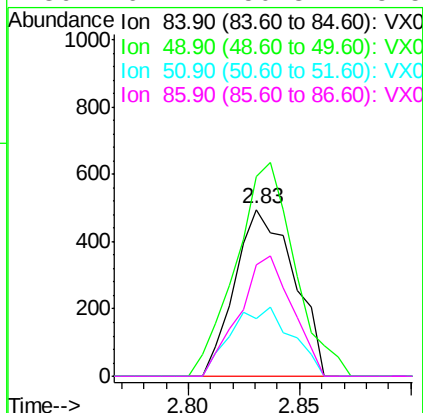




#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019726.D
Acq: 04 Dec 2020 18:54

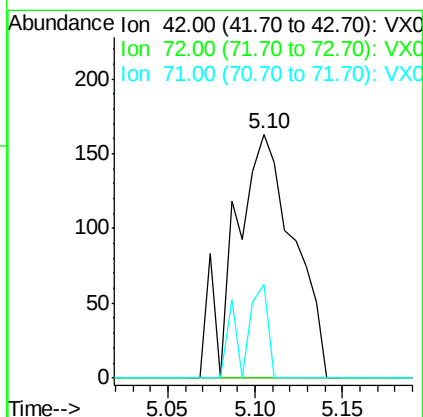
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

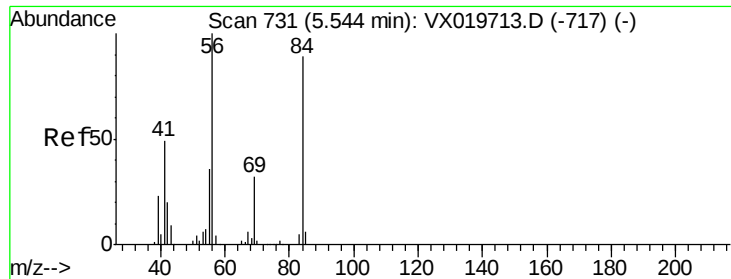
Tot Ion:	84	Resp:	912
Ion	Ratio	Lower	Upper
84	100		
49	119.8	88.6	132.8
51	34.9	27.0	40.6
86	67.1	50.3	75.5



#29
Tetrahydrofuran
Concen: 0.234 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX019726.D
Acq: 04 Dec 2020 18:54

Tgt Ion:	42	Resp:	386
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	15.8	38.4	57.6#

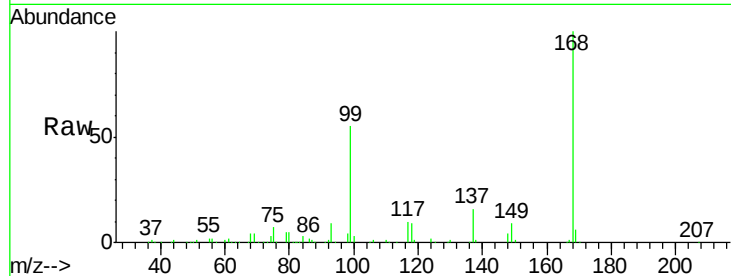




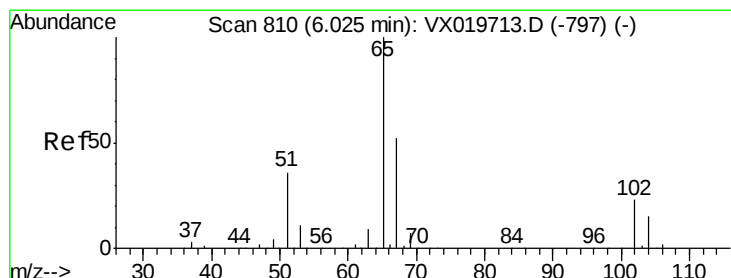
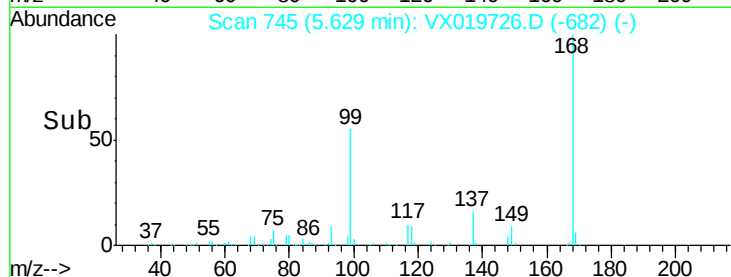
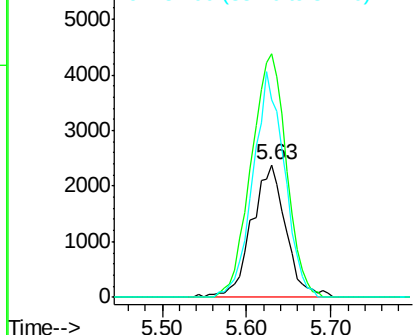
#31
Cvclohexane
Concen: 1.199 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019726.D
Acq: 04 Dec 2020 18:54

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

Tot Ion: 56 Resp: 6601
Ion Ratio Lower Upper
56 100
69 184.1 25.3 37.9#
84 149.2 71.4 107.0#

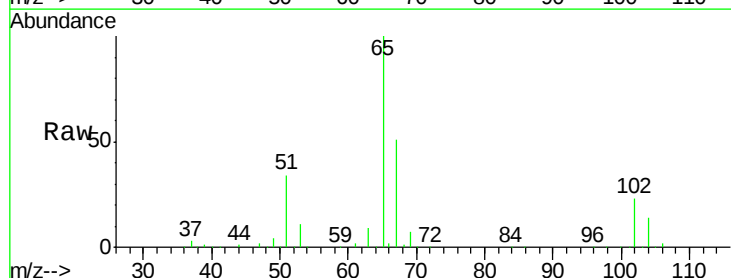


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

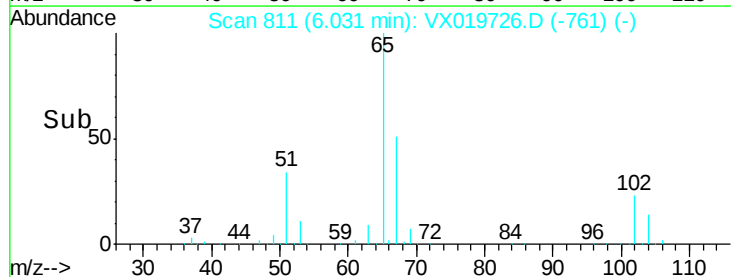
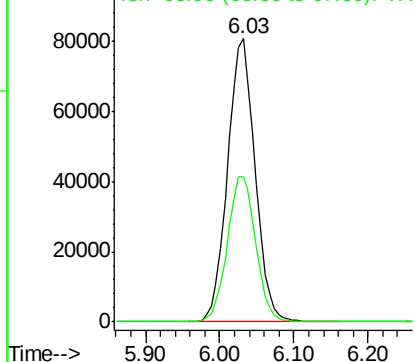


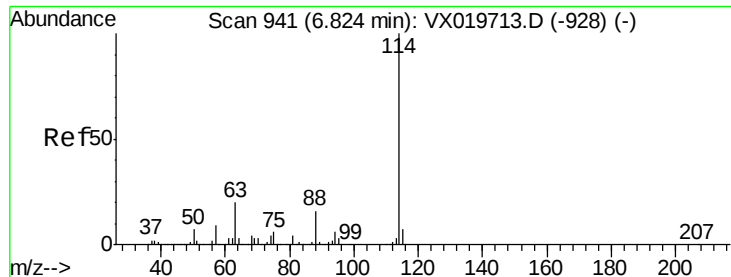
#33
1,2-Dichloroethane-d4
Concen: 47.146 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.01 min
Lab File: VX019726.D
Acq: 04 Dec 2020 18:54

Tgt Ion: 65 Resp: 208721
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.4



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. 0.01 min

Lab File: VX019726.D

Acq: 04 Dec 2020 18:54

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

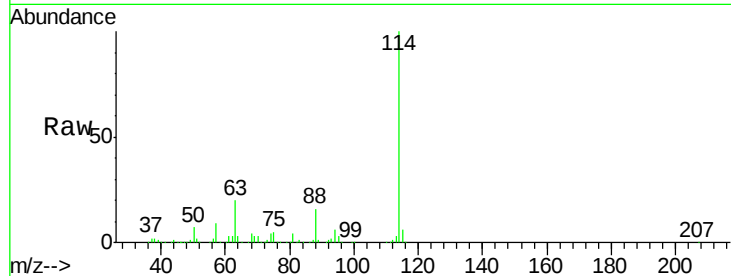
Tot Ion:114 Resp: 555227

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

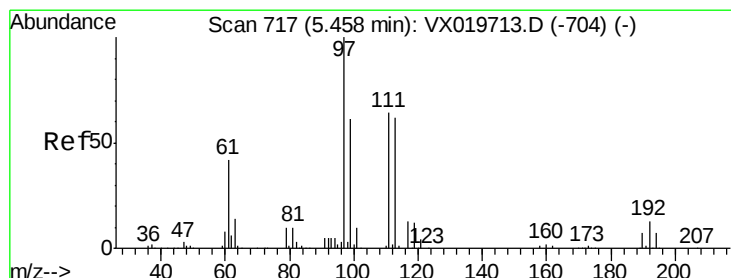
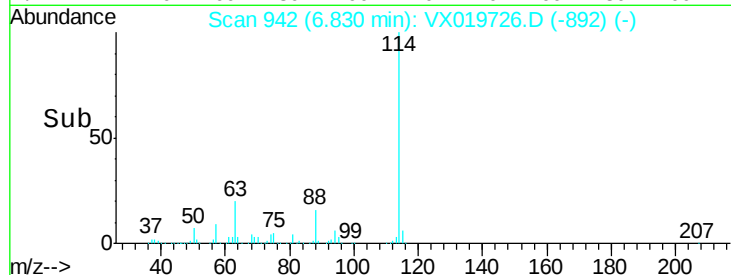
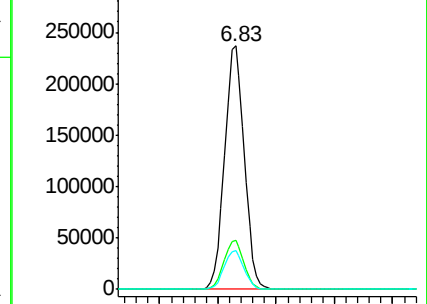
88 16.2 0.0 32.8



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: 46.499 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019726.D

Acq: 04 Dec 2020 18:54

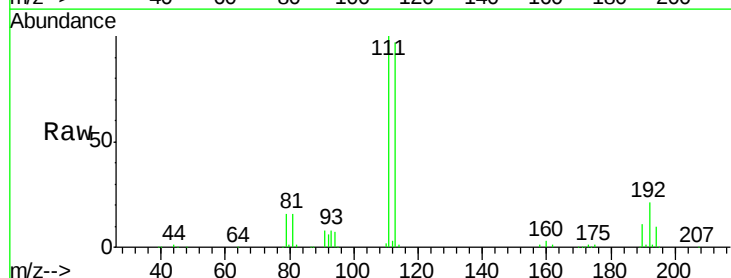
Tgt Ion:113 Resp: 166854

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

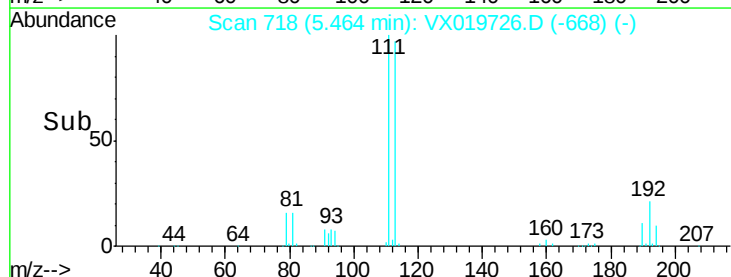
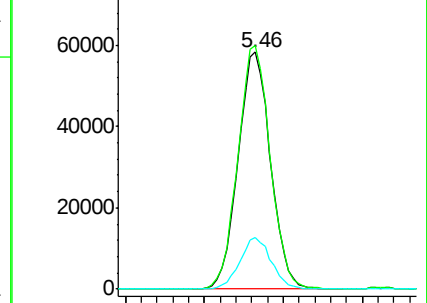
192 21.2 16.7 25.1

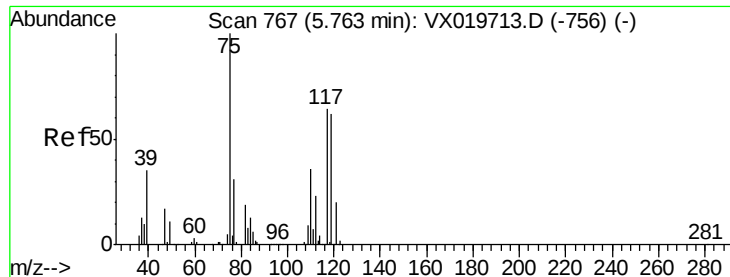


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.993 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019726.D

Acq: 04 Dec 2020 18:54

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

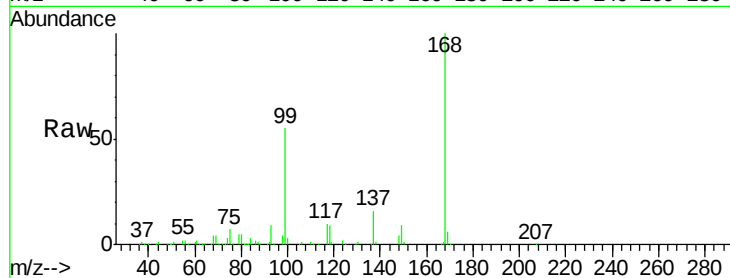
Tot Ion: 75 Resp: 25050

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.4#

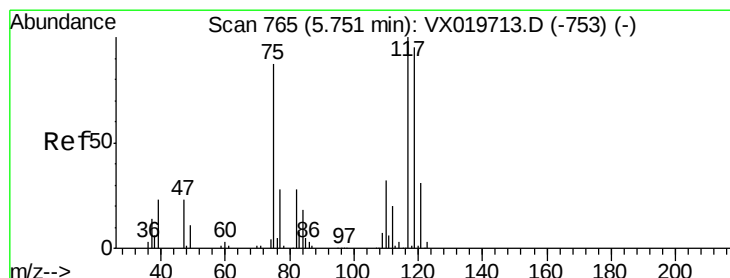
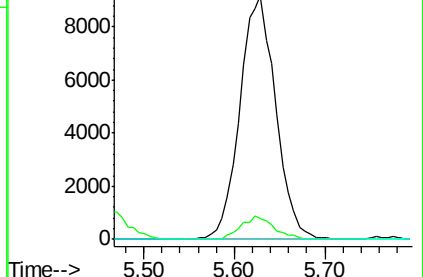
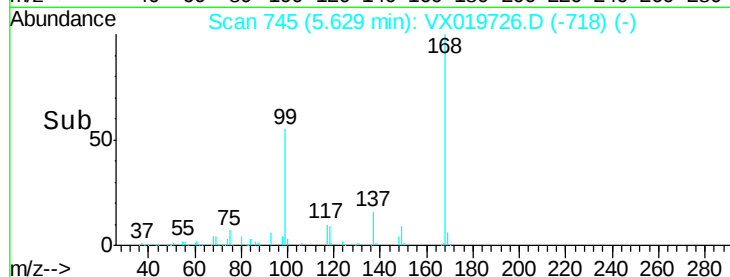
77 0.0 25.3 37.9#



Abundance Ion 74.90 (74.60 to 75.60): VX019726.D (-718) (-)

Ion 109.90 (109.60 to 110.60): VX019726.D (-718) (-)

Ion 76.90 (76.60 to 77.60): VX019726.D (-718) (-)



#38

Carbon Tetrachloride

Concen: 6.703 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019726.D

Acq: 04 Dec 2020 18:54

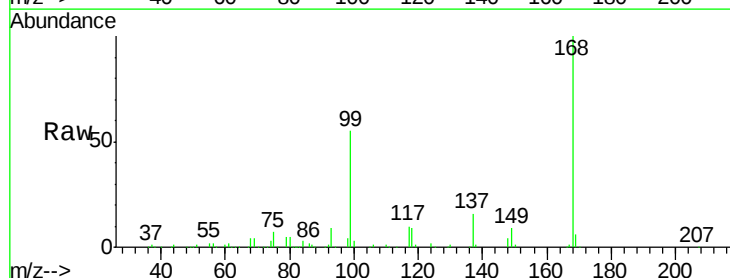
Tgt Ion: 117 Resp: 32934

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

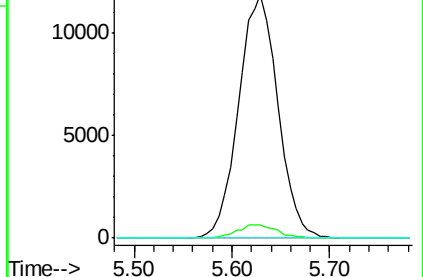
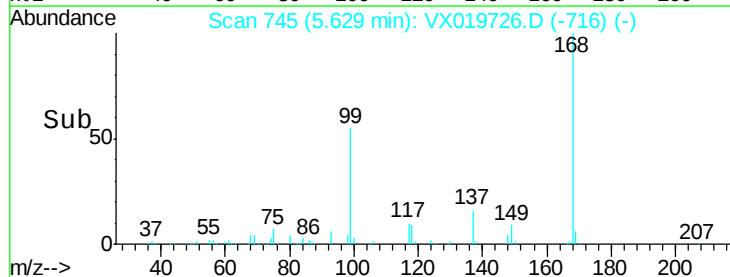
121 0.0 24.8 37.2#

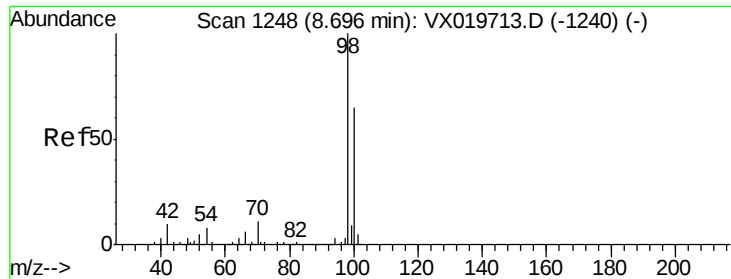


Abundance Ion 116.80 (116.50 to 117.50): VX019726.D (-716) (-)

Ion 118.80 (118.50 to 119.50): VX019726.D (-716) (-)

Ion 120.80 (120.50 to 121.50): VX019726.D (-716) (-)

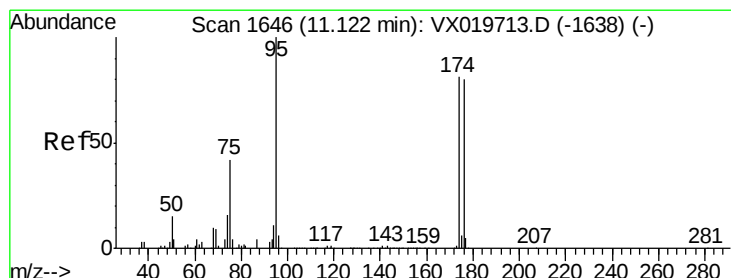
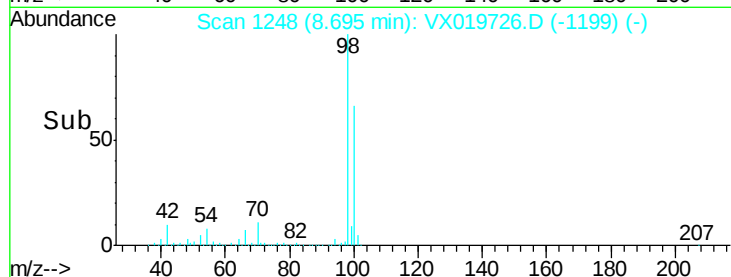
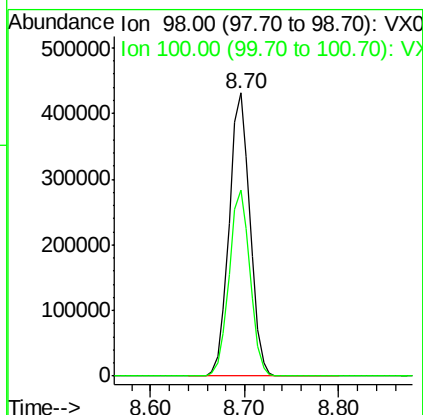
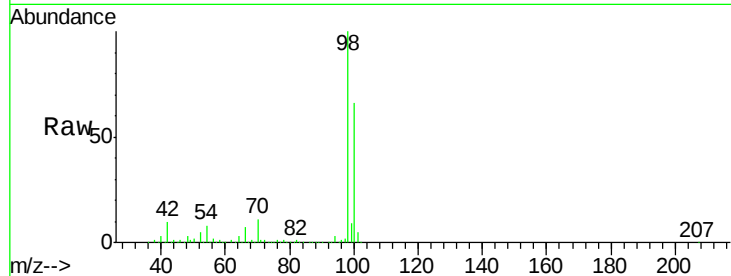




#50
Toluene-d8
Concen: 48.322 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019726.D
Acq: 04 Dec 2020 18:54

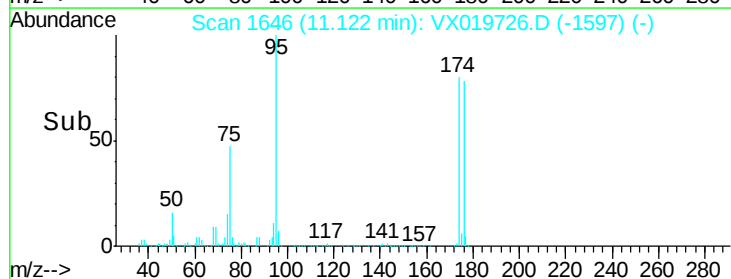
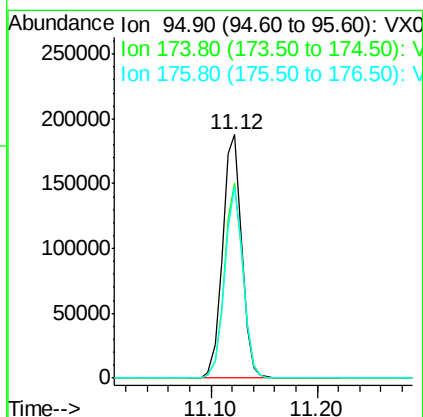
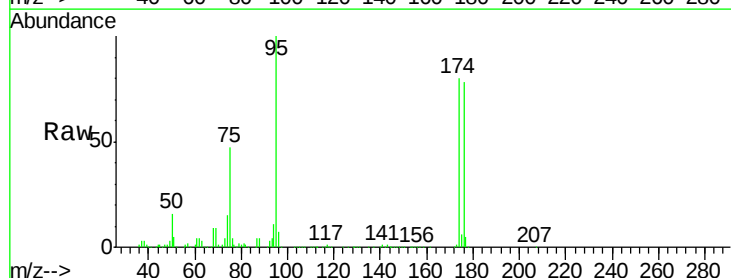
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

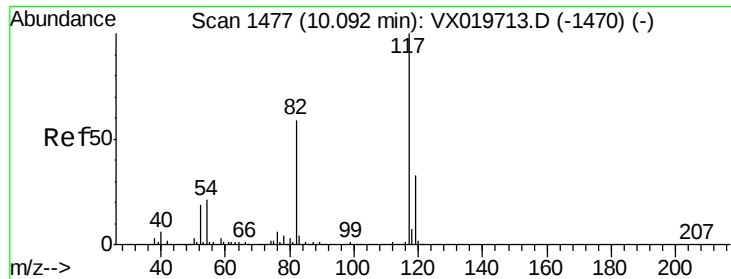
Tot Ion: 98 Resp: 661988
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.218 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019726.D
Acq: 04 Dec 2020 18:54

Tgt Ion: 95 Resp: 235773
Ion Ratio Lower Upper
95 100
174 77.8 0.0 154.6
176 75.7 0.0 155.8

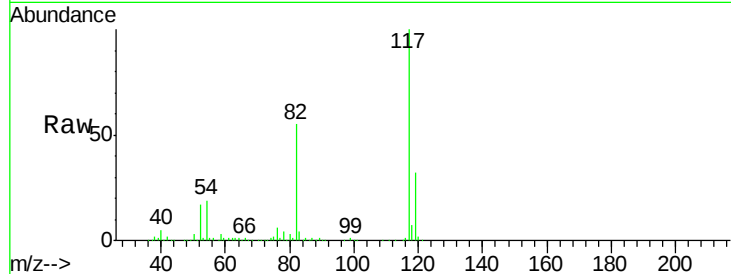




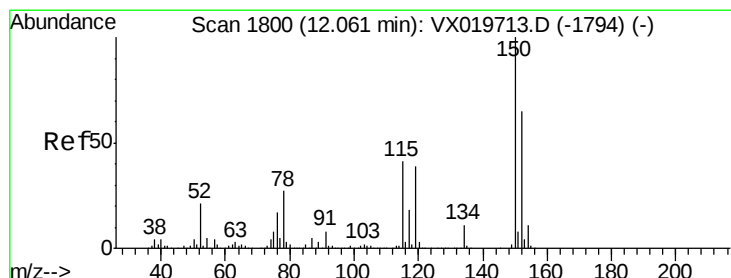
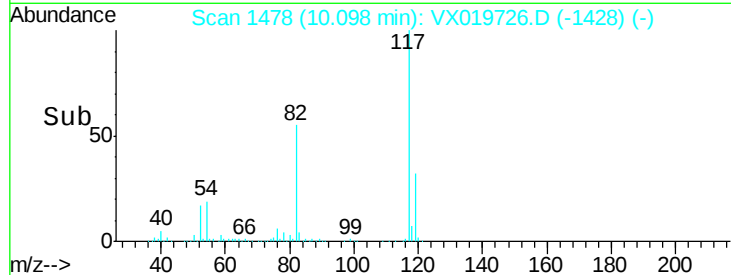
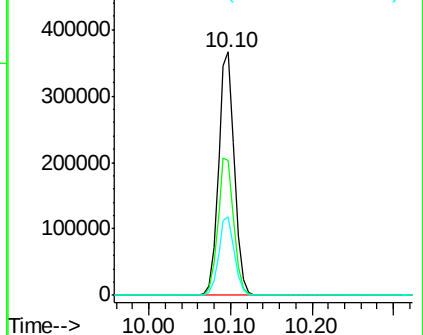
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019726.D
Acq: 04 Dec 2020 18:54

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

Tot Ion:117 Resp: 498578
Ion Ratio Lower Upper
117 100
82 55.4 47.4 71.2
119 32.1 26.6 39.8

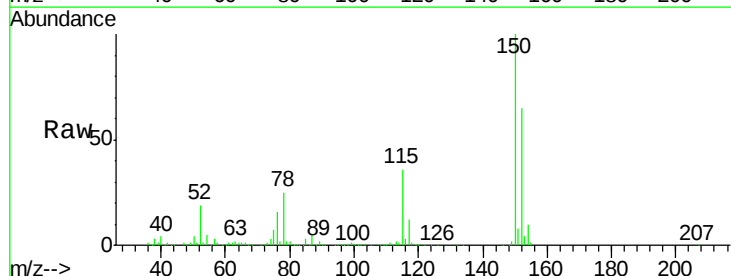


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

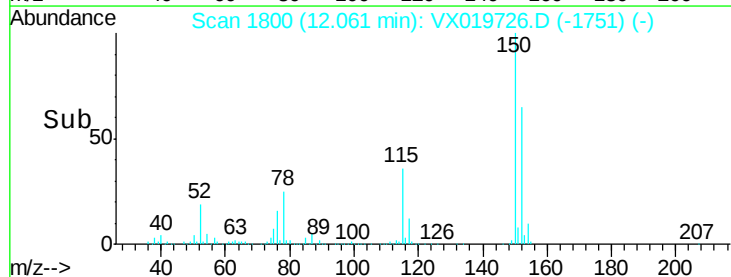
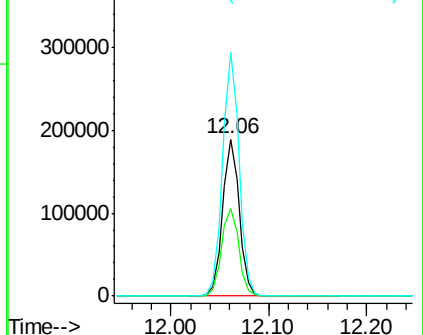


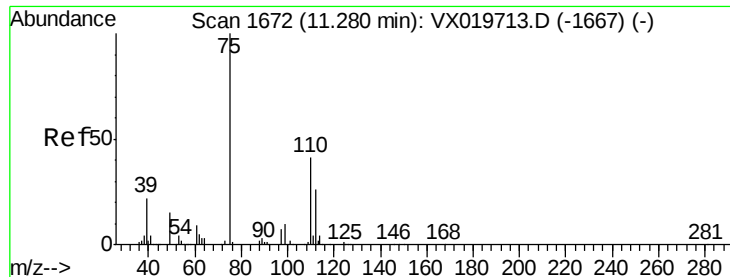
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019726.D
Acq: 04 Dec 2020 18:54

Tgt Ion:152 Resp: 222679
Ion Ratio Lower Upper
152 100
115 58.3 41.1 123.3
150 154.7 0.0 349.0



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: 22.671 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019726.D

Acq: 04 Dec 2020 18:54

Instrument :

MSVOA_X

ClientSampleId :

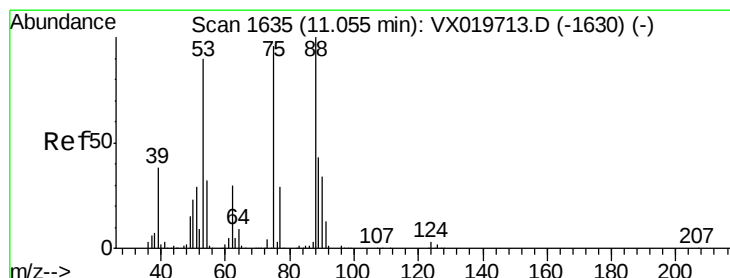
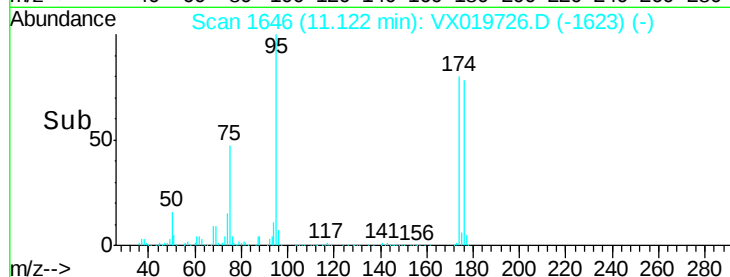
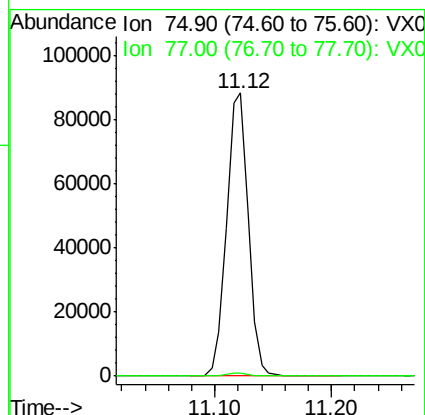
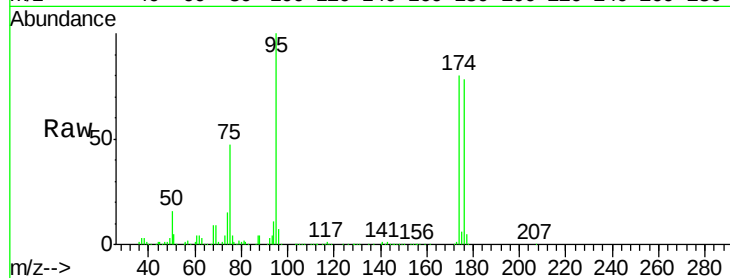
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 113225

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.537 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019726.D

Acq: 04 Dec 2020 18:54

Tgt Ion: 75 Resp: 113225

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

