

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019049.D
 Acq On : 23 Oct 2020 00:35
 Operator : JC/SP
 Sample : L4453-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Oct 23 08:38:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	271485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	472609	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	460648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	232610	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	167437	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
35) Dibromofluoromethane	5.46	113	145257	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
50) Toluene-d8	8.70	98	587245	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	11.12	95	210524	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	

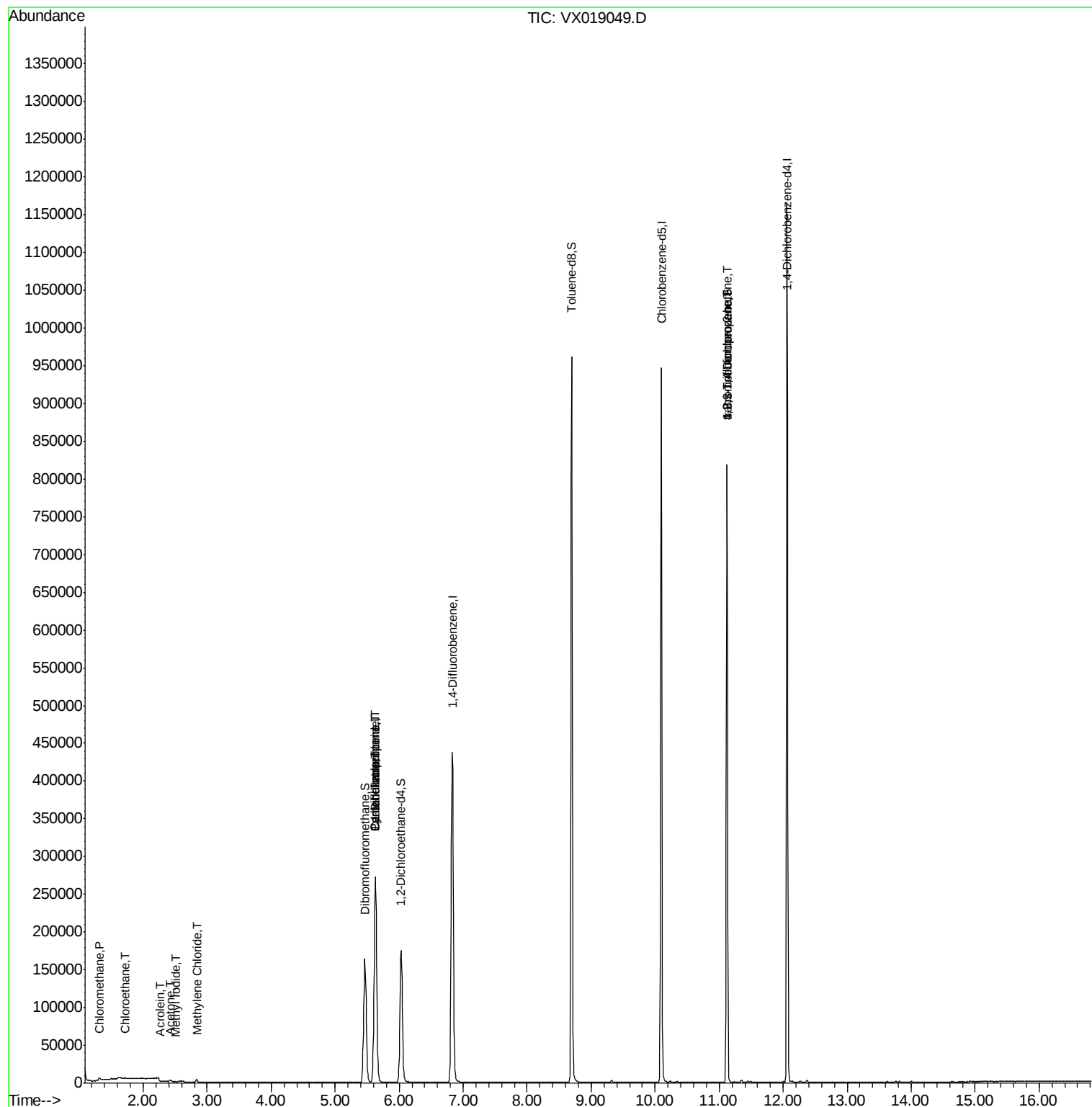
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1291	0.480	ug/l	99
5) Bromomethane	1.64	94	429	Below Cal	#	68
6) Chloroethane	1.72	64	50	1.291	ug/l #	37
10) Methyl Iodide	2.50	142	210	4.823	ug/l #	42
13) Acrolein	2.28	56	139	14.154	ug/l #	16
16) Acetone	2.42	43	2470	2.230	ug/l	97
20) Methylene Chloride	2.84	84	1526	0.495	ug/l	98
31) Cyclohexane	5.63	56	5420	1.423	ug/l #	12
36) 1,1-Dichloropropene	5.63	75	20075	4.734	ug/l #	48
38) Carbon Tetrachloride	5.63	117	26340	5.918	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	107063	23.028	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	107063	58.671	ug/l #	15

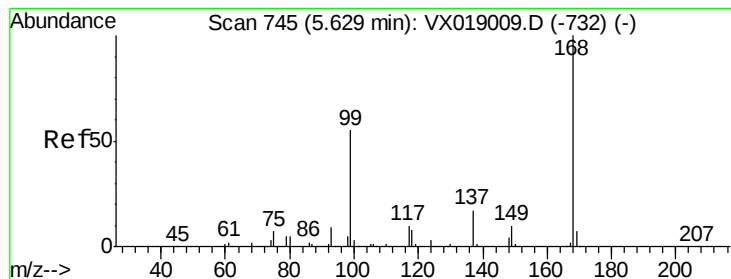
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102220\
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Quant Time: Oct 23 08:38:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 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: VX019049.D

Acq: 23 Oct 2020 00:35

Instrument :

MSVOA_X

ClientSampleId :

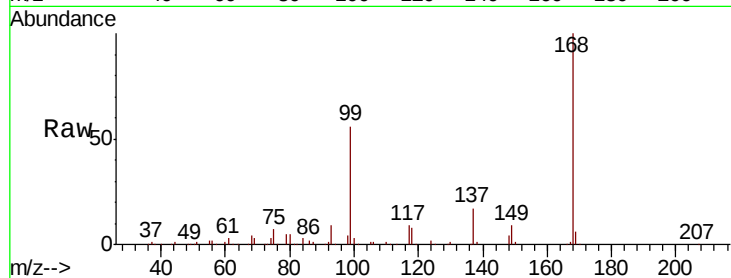
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 271485

Ion Ratio Lower Upper

168 100

99 55.5 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

100000

80000

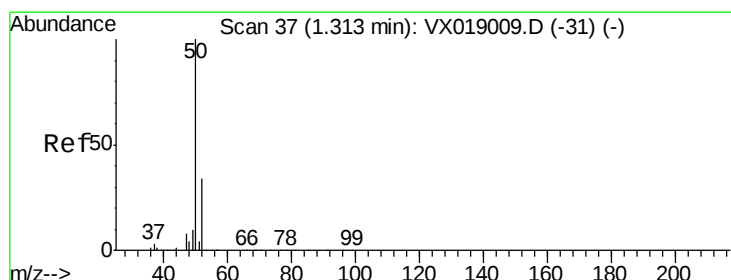
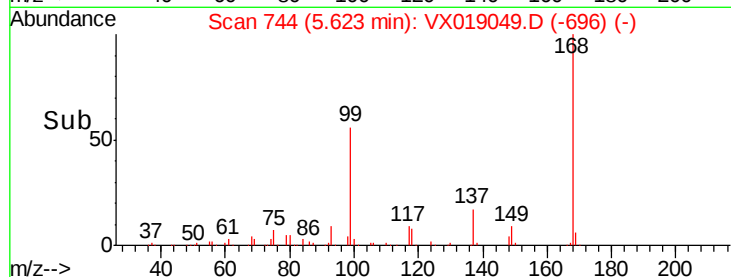
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.480 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019049.D

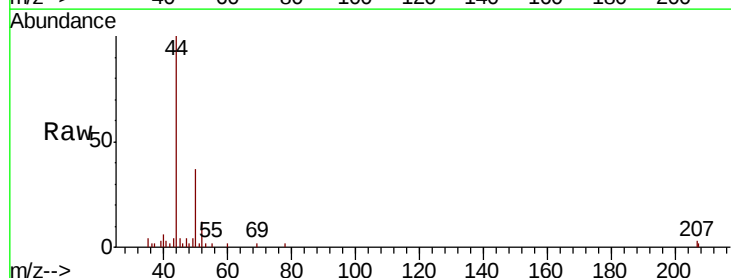
Acq: 23 Oct 2020 00:35

Tgt Ion: 50 Resp: 1291

Ion Ratio Lower Upper

50 100

52 33.1 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

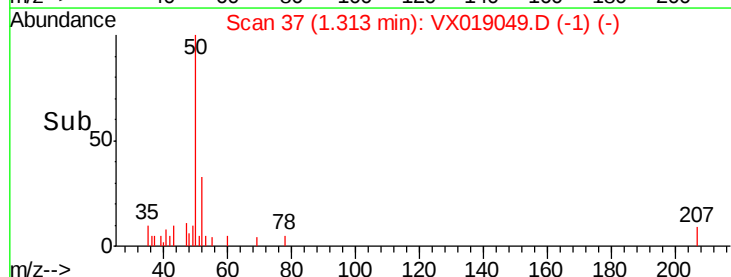
1500

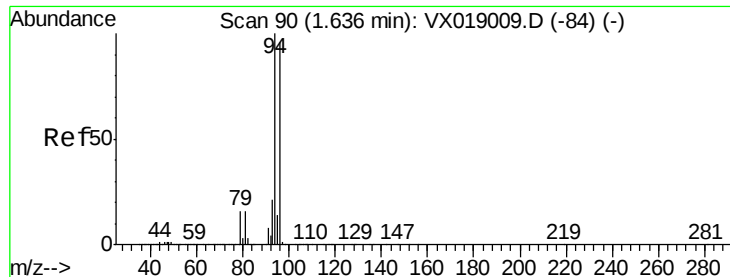
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019049.D

Acq: 23 Oct 2020 00:35

Instrument :

MSVOA_X

ClientSampleId :

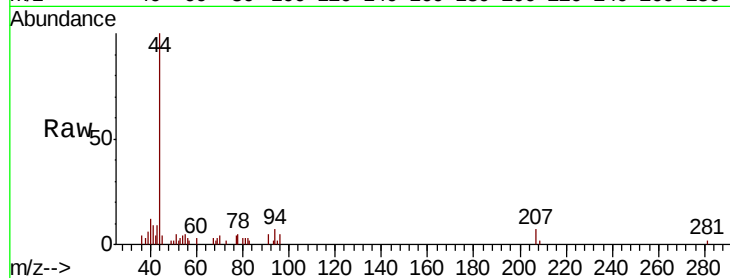
STORAGE-BLANK-WATER-REF-4

Tot Ion: 94 Resp: 429

Ion Ratio Lower Upper

94 100

96 65.1 77.1 115.7#



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

1.60

1.65

1.70

1.75

1.80

1.85

1.90

1.95

2.00

2.05

2.10

2.15

2.20

2.25

2.30

2.35

2.40

2.45

2.50

2.55

2.60

2.65

2.70

2.75

2.80

2.85

2.90

2.95

3.00

3.05

3.10

3.15

3.20

3.25

3.30

3.35

3.40

3.45

3.50

3.55

3.60

3.65

3.70

3.75

3.80

3.90

4.00

4.10

4.20

4.30

4.40

4.50

4.60

4.70

4.80

4.90

5.00

5.10

5.20

5.30

5.40

5.50

5.60

5.70

5.80

5.90

6.00

6.10

6.20

6.30

6.40

6.50

6.60

6.70

6.80

6.90

7.00

7.10

7.20

7.30

7.40

7.50

7.60

7.70

7.80

7.90

8.00

8.10

8.20

8.30

8.40

8.50

8.60

8.70

8.80

8.90

9.00

9.10

9.20

9.30

9.40

9.50

9.60

9.70

9.80

9.90

10.00

10.10

10.20

10.30

10.40

10.50

10.60

10.70

10.80

10.90

11.00

11.10

11.20

11.30

11.40

11.50

11.60

11.70

11.80

11.90

12.00

12.10

12.20

12.30

12.40

12.50

12.60

12.70

12.80

12.90

13.00

13.10

13.20

13.30

13.40

13.50

13.60

13.70

13.80

13.90

14.00

14.10

14.20

14.30

14.40

14.50

14.60

14.70

14.80

14.90

15.00

15.10

15.20

15.30

15.40

15.50

15.60

15.70

15.80

15.90

16.00

16.10

16.20

16.30

16.40

16.50

16.60

16.70

16.80

16.90

17.00

17.10

17.20

17.30

17.40

17.50

17.60

17.70

17.80

17.90

18.00

18.10

18.20

18.30

18.40

18.50

18.60

18.70

18.80

18.90

19.00

19.10

19.20

19.30

19.40

19.50

19.60

19.70

19.80

19.90

20.00

20.10

20.20

20.30

20.40

20.50

20.60

20.70

20.80

20.90

21.00

21.10

21.20

21.30

21.40

21.50

21.60

21.70

21.80

21.90

22.00

22.10

22.20

22.30

22.40

22.50

22.60

22.70

22.80

22.90

23.00

23.10

23.20

23.30

23.40

23.50

23.60

23.70

23.80

23.90

24.00

24.10

24.20

24.30

24.40

24.50

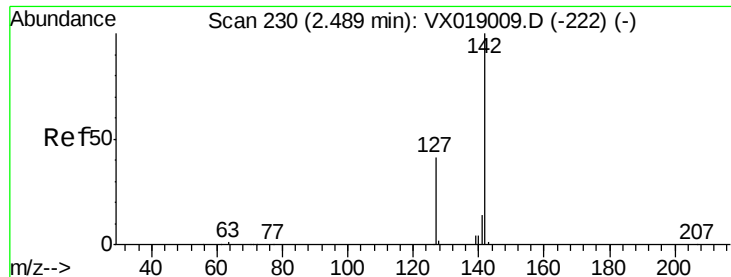
24.60

24.70

24.80

24.90

25.00



#10

Methyl Iodide

Concen: 4.823 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX019049.D

Acq: 23 Oct 2020 00:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

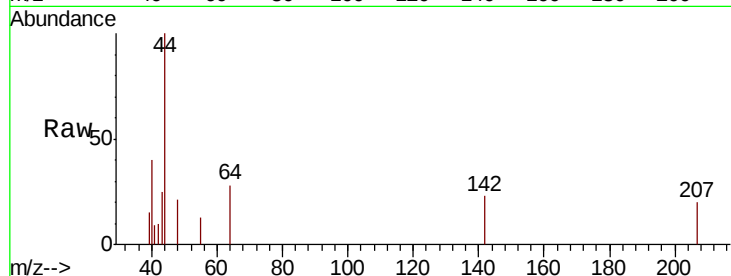
Tot Ion:142 Resp: 210

Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

141 0.0 11.2 16.8#



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

2.50

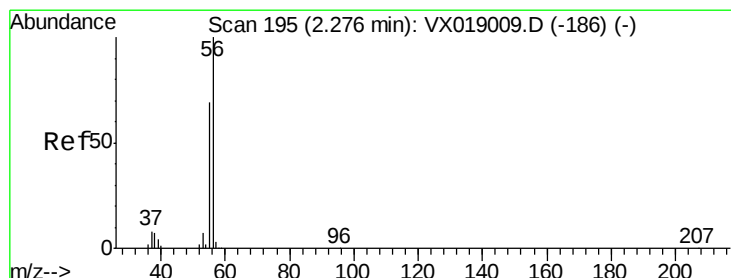
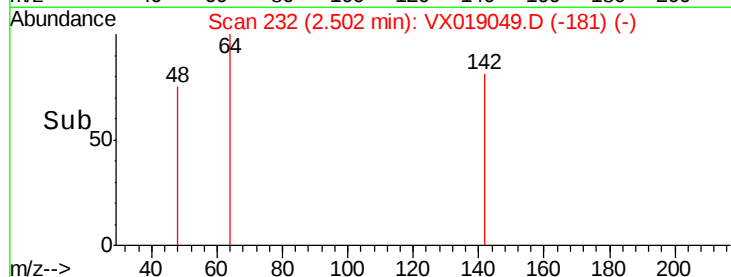
150

100

50

0

Time-->



#13

Acrolein

Concen: 14.154 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX019049.D

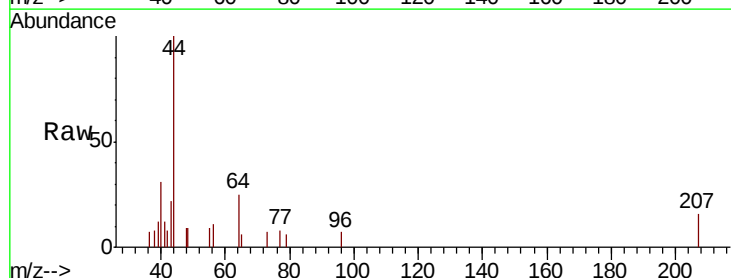
Acq: 23 Oct 2020 00:35

Tgt Ion: 56 Resp: 139

Ion Ratio Lower Upper

56 100

55 0.0 54.2 81.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

250

200

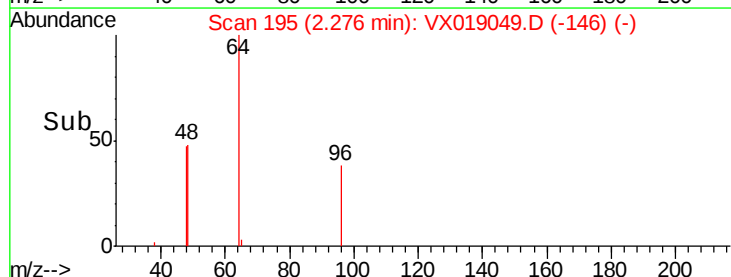
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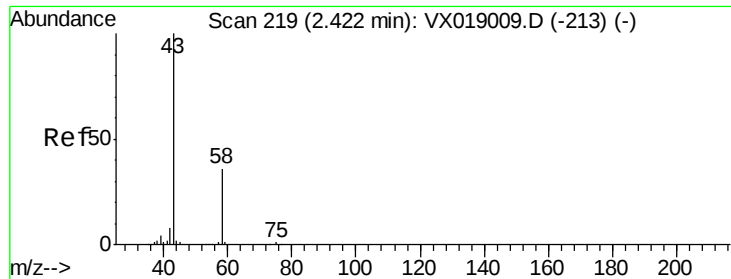
100

50

0

Time-->

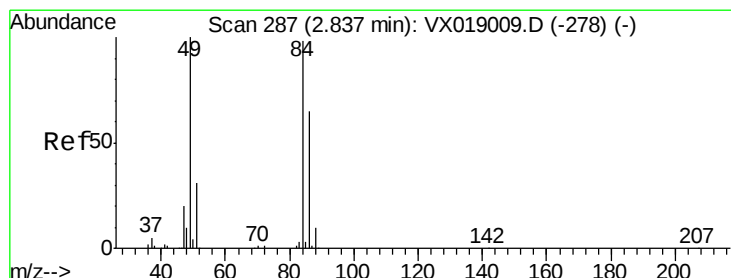
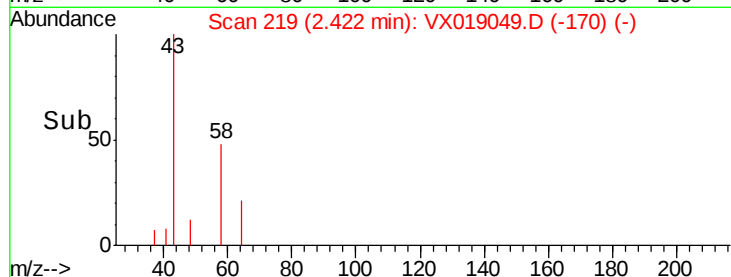
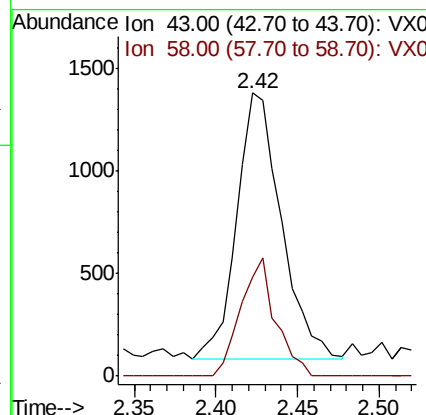
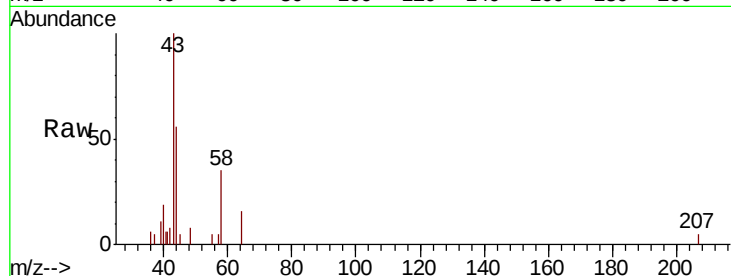




#16
Acetone
Concen: 2.230 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX019049.D
Acq: 23 Oct 2020 00:35

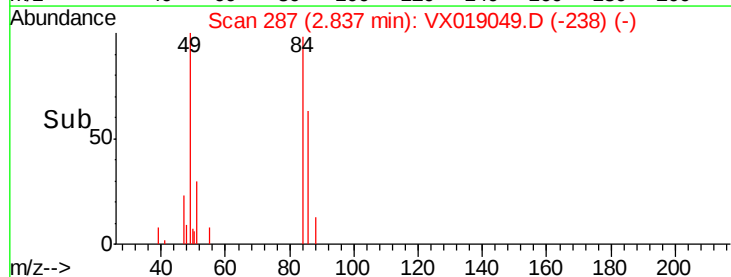
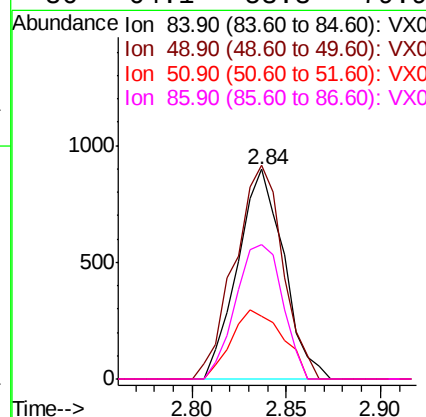
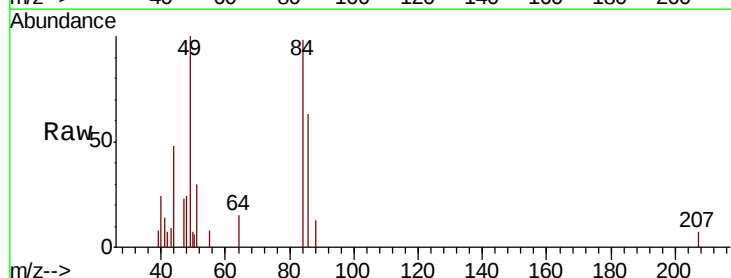
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

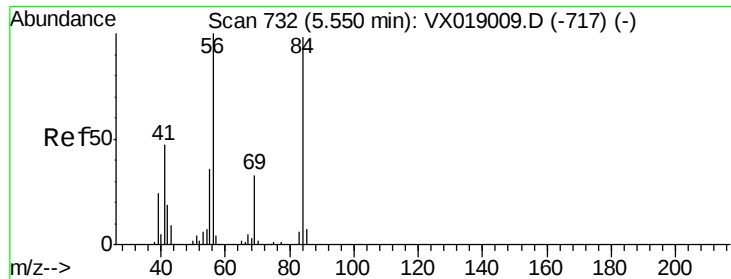
Tot Ion: 43 Resp: 2470
Ion Ratio Lower Upper
43 100
58 37.4 28.6 42.8



#20
Methylene Chloride
Concen: 0.495 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019049.D
Acq: 23 Oct 2020 00:35

Tgt Ion: 84 Resp: 1526
Ion Ratio Lower Upper
84 100
49 102.0 81.6 122.4
51 30.2 25.6 38.4
86 64.1 53.3 79.9

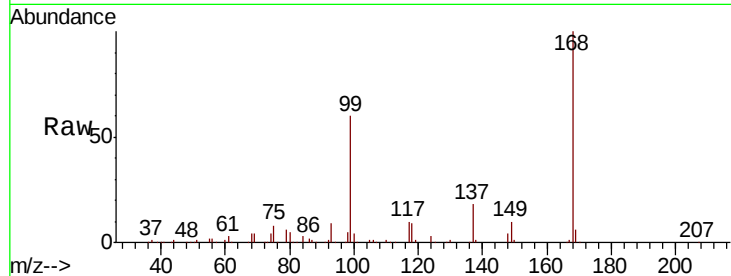




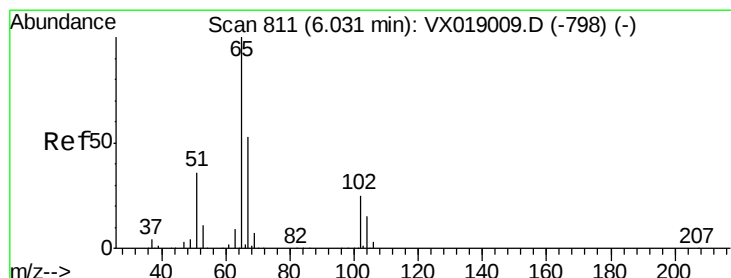
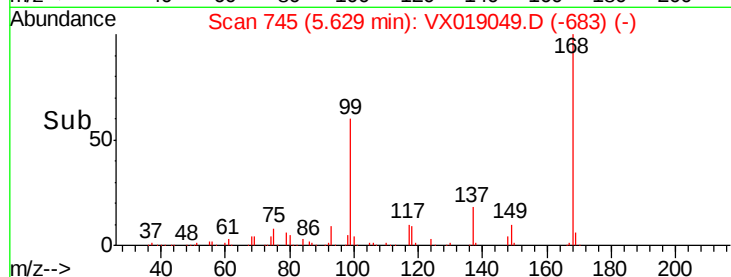
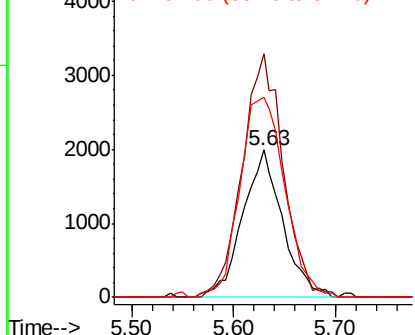
#31
Cyclohexane
Concen: 1.423 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019049.D
Acq: 23 Oct 2020 00:35

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion: 56 Resp: 5420
Ion Ratio Lower Upper
56 100
69 165.6 26.2 39.2#
84 136.2 78.3 117.5#

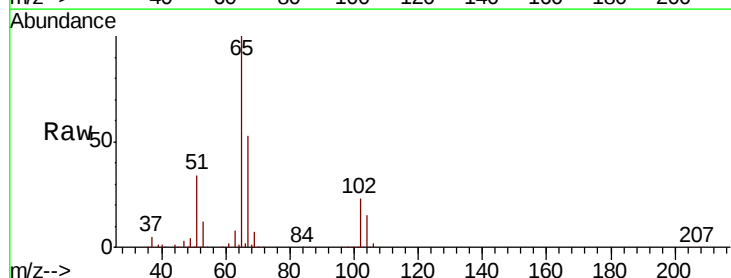


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

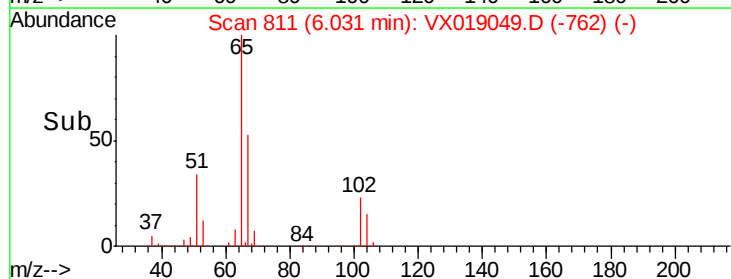
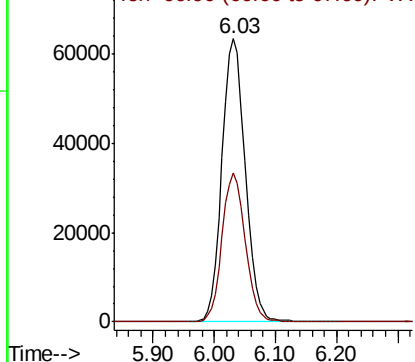


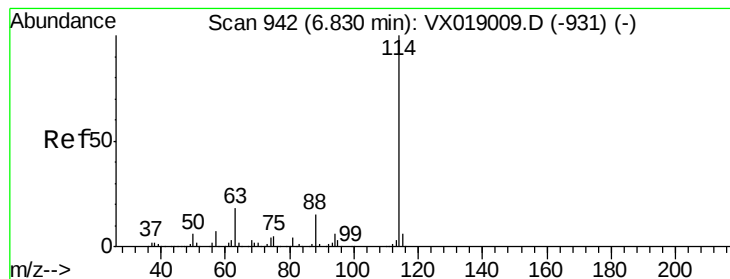
#33
1,2-Dichloroethane-d4
Concen: 51.488 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX019049.D
Acq: 23 Oct 2020 00:35

Tgt Ion: 65 Resp: 167437
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.0



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: VX019049.D

Acq: 23 Oct 2020 00:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

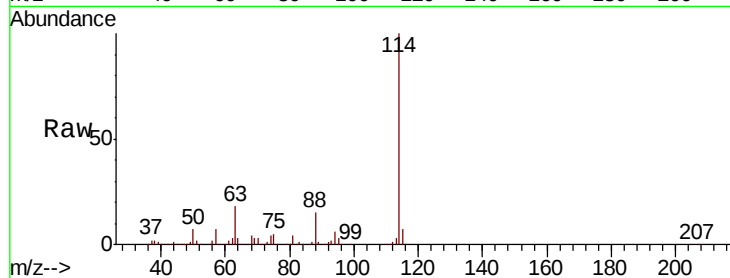
Tot Ion:114 Resp: 472609

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

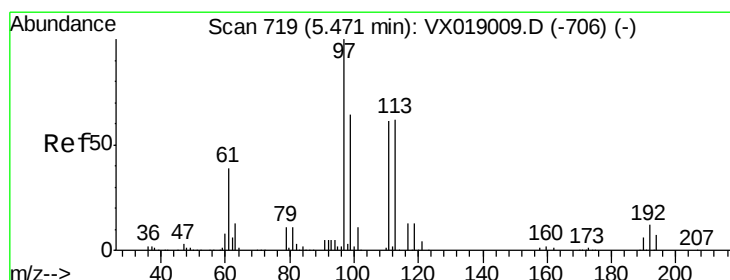
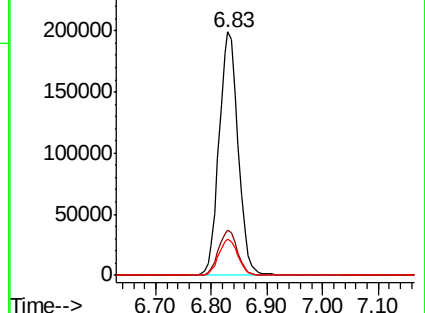
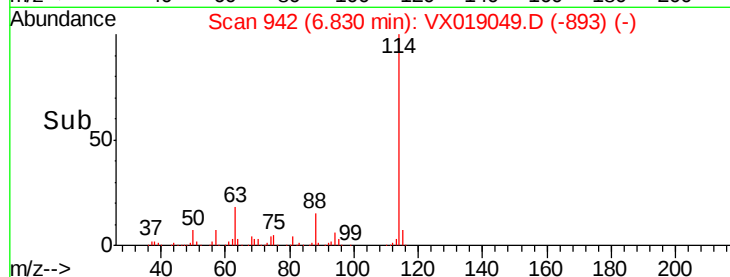
88 15.0 0.0 30.2



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: 48.545 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019049.D

Acq: 23 Oct 2020 00:35

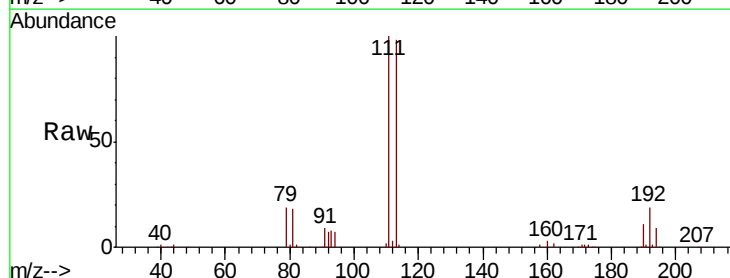
Tgt Ion:113 Resp: 145257

Ion Ratio Lower Upper

113 100

111 102.3 81.5 122.3

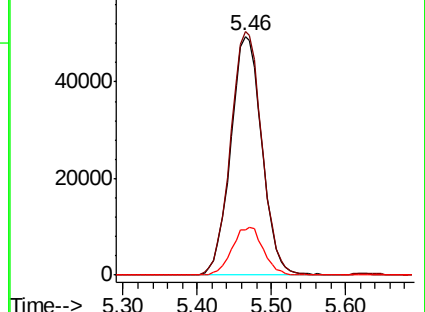
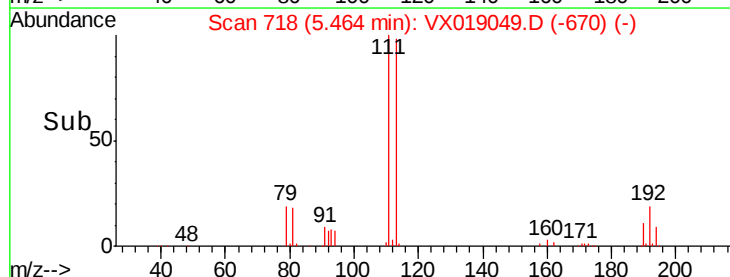
192 20.1 16.3 24.5

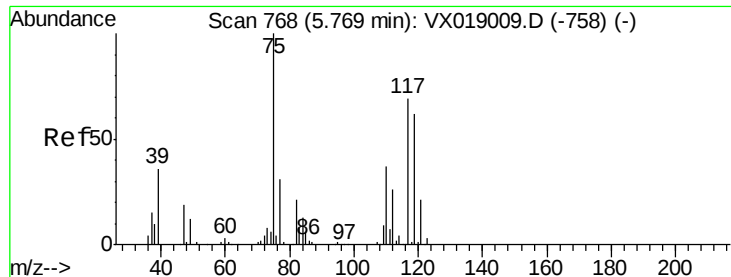


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

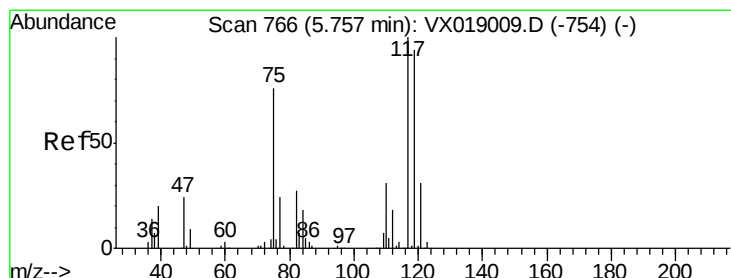
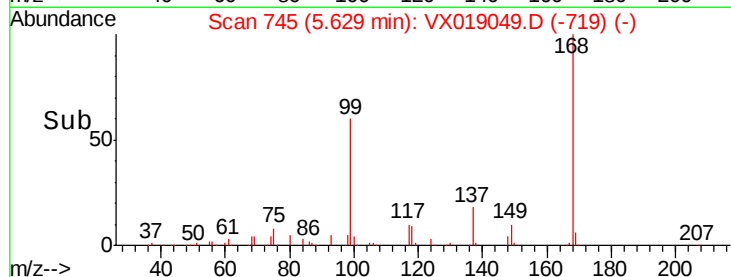
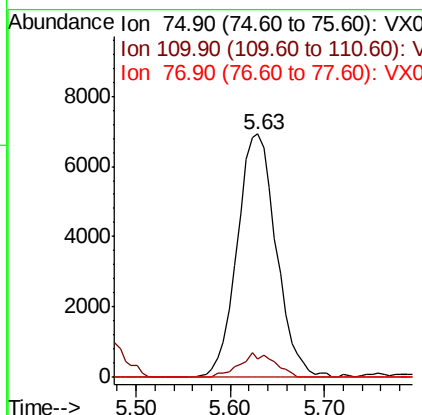
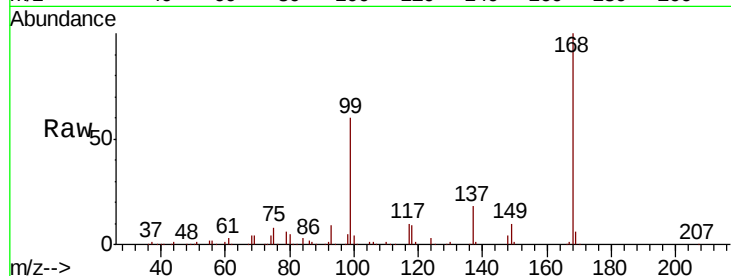




#36
 1,1-Dichloropropene
 Concen: 4.734 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019049.D
 Acq: 23 Oct 2020 00:35

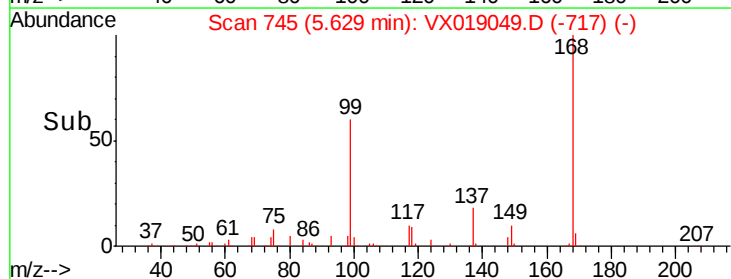
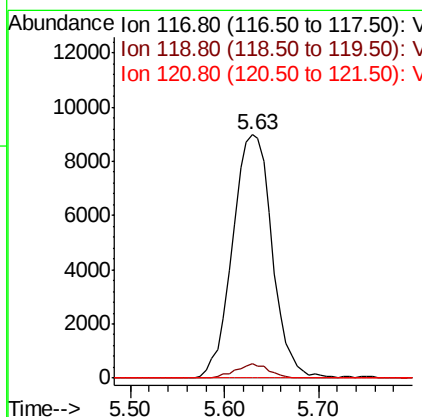
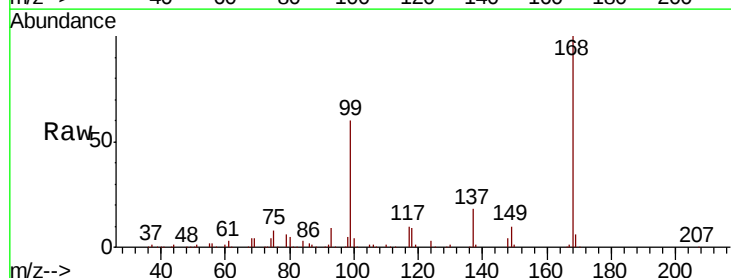
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

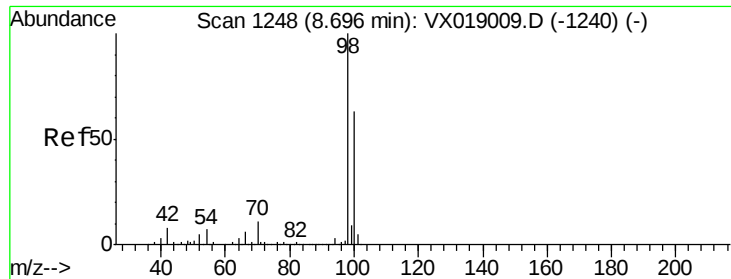
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	19.4	58.2#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.918 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019049.D
 Acq: 23 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.4	113.0#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 51.429 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019049.D

Acq: 23 Oct 2020 00:35

Instrument :

MSVOA_X

ClientSampleId :

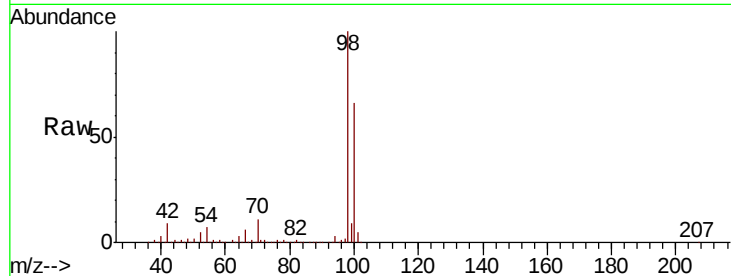
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 587245

Ion Ratio Lower Upper

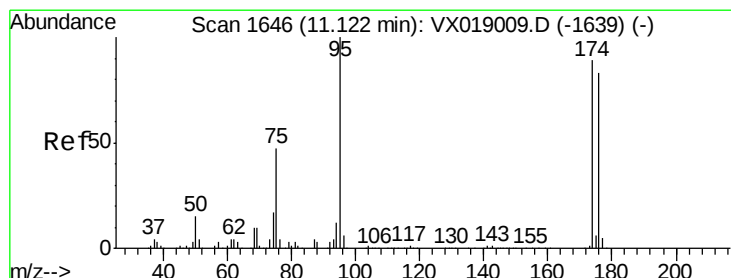
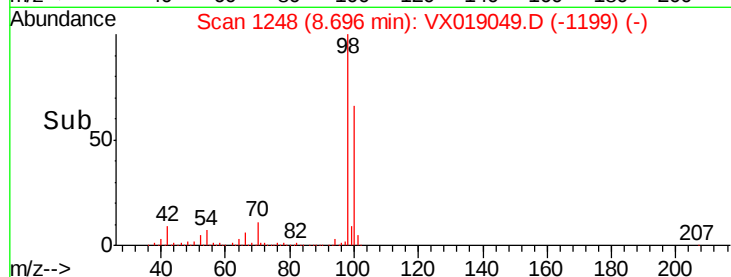
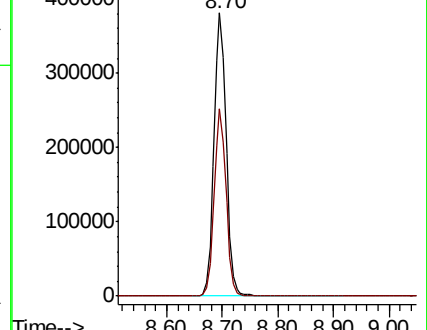
98 100

100 64.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 51.833 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019049.D

Acq: 23 Oct 2020 00:35

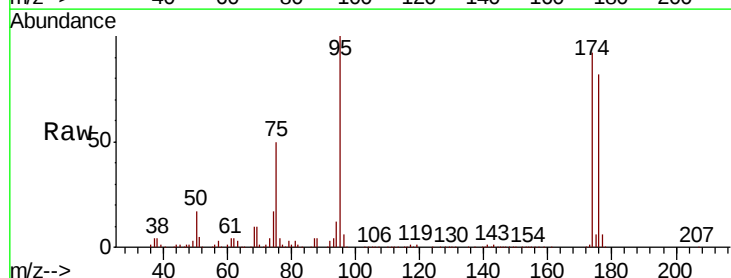
Tgt Ion: 95 Resp: 210524

Ion Ratio Lower Upper

95 100

174 87.0 0.0 167.6

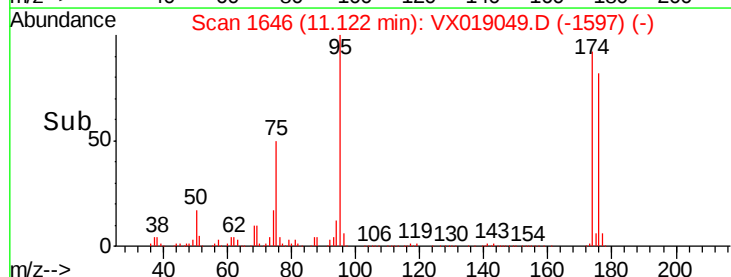
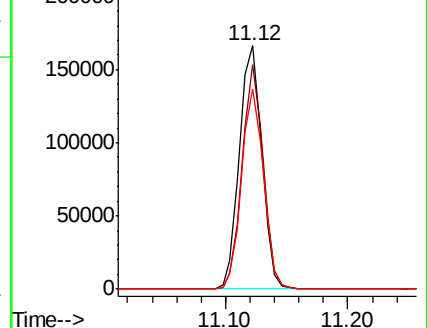
176 80.5 0.0 165.2

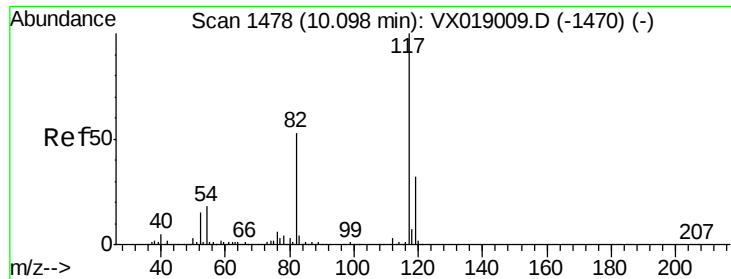


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

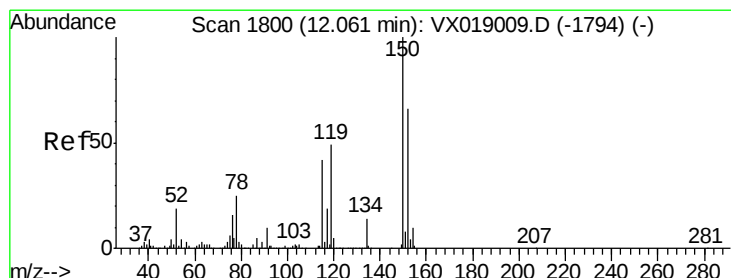
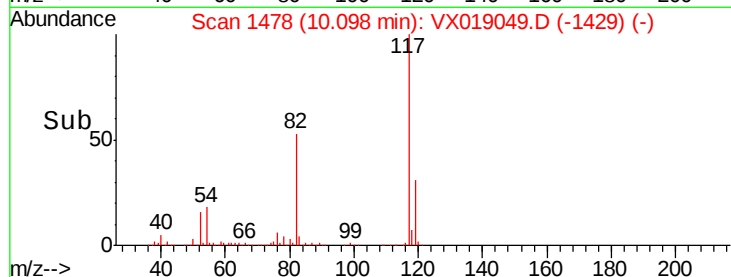
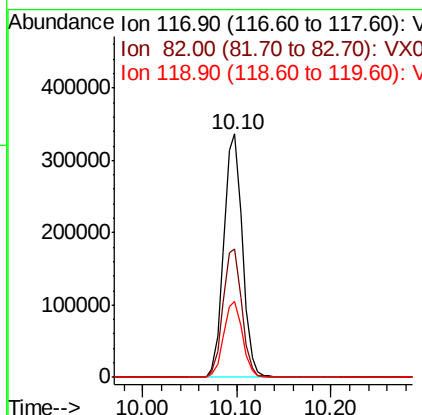
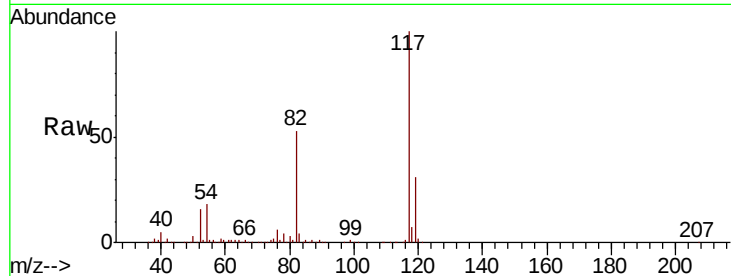




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019049.D
Acq: 23 Oct 2020 00:35

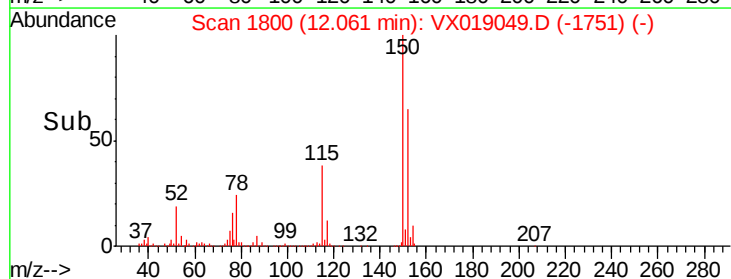
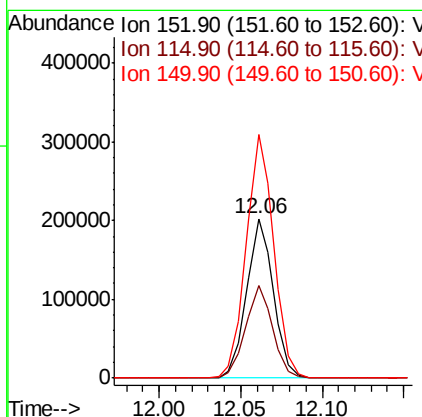
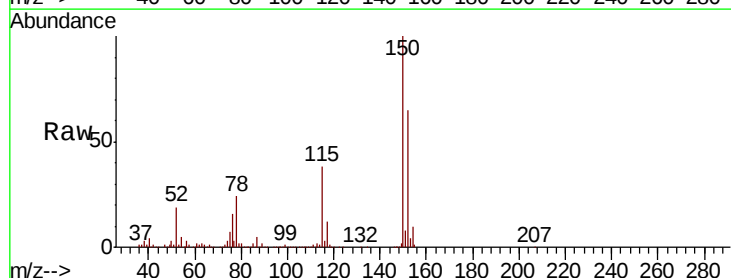
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

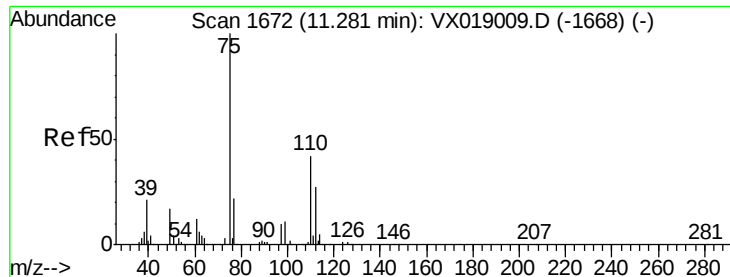
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.4	63.6
119	31.2	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019049.D
Acq: 23 Oct 2020 00:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	40.8	122.5
150	157.1	0.0	345.6





#76

1,2,3-Trichloropropane

Concen: 23.028 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019049.D

Acq: 23 Oct 2020 00:35

Instrument :

MSVOA_X

ClientSampleId :

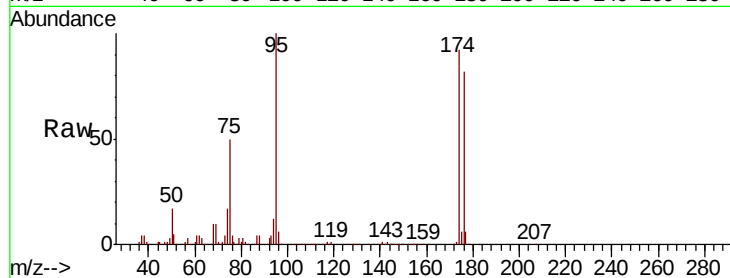
STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 107063

Ion Ratio Lower Upper

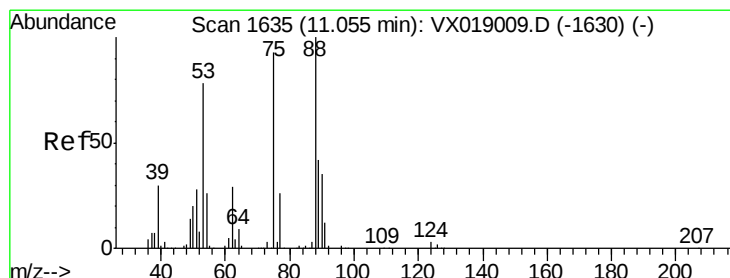
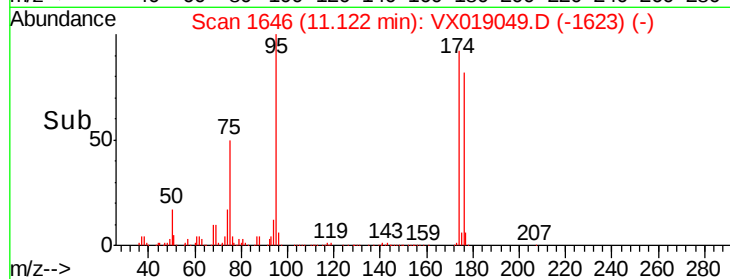
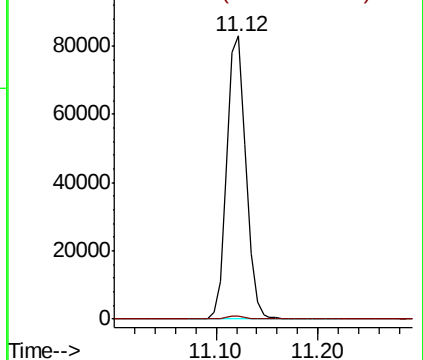
75 100

77 1.2 20.7 62.1#



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: 58.671 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019049.D

Acq: 23 Oct 2020 00:35

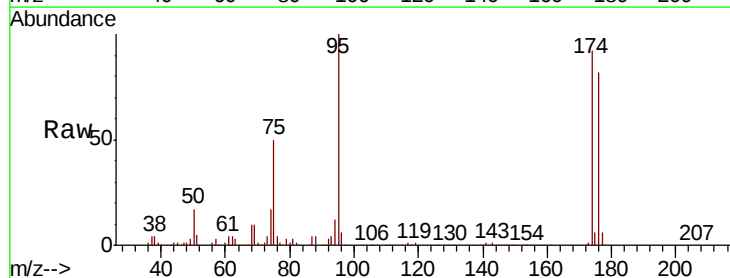
Tgt Ion: 75 Resp: 107063

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

