

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019048.D
 Acq On : 23 Oct 2020 00:12
 Operator : JC/SP
 Sample : L4453-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Oct 23 08:38:17 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	5.63	168	274813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	468017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	450971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	229469	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	165269	50.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.42%	
35) Dibromofluoromethane	5.46	113	147185	49.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.34%	
50) Toluene-d8	8.70	98	584141	51.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.12	95	211954	52.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.40%	

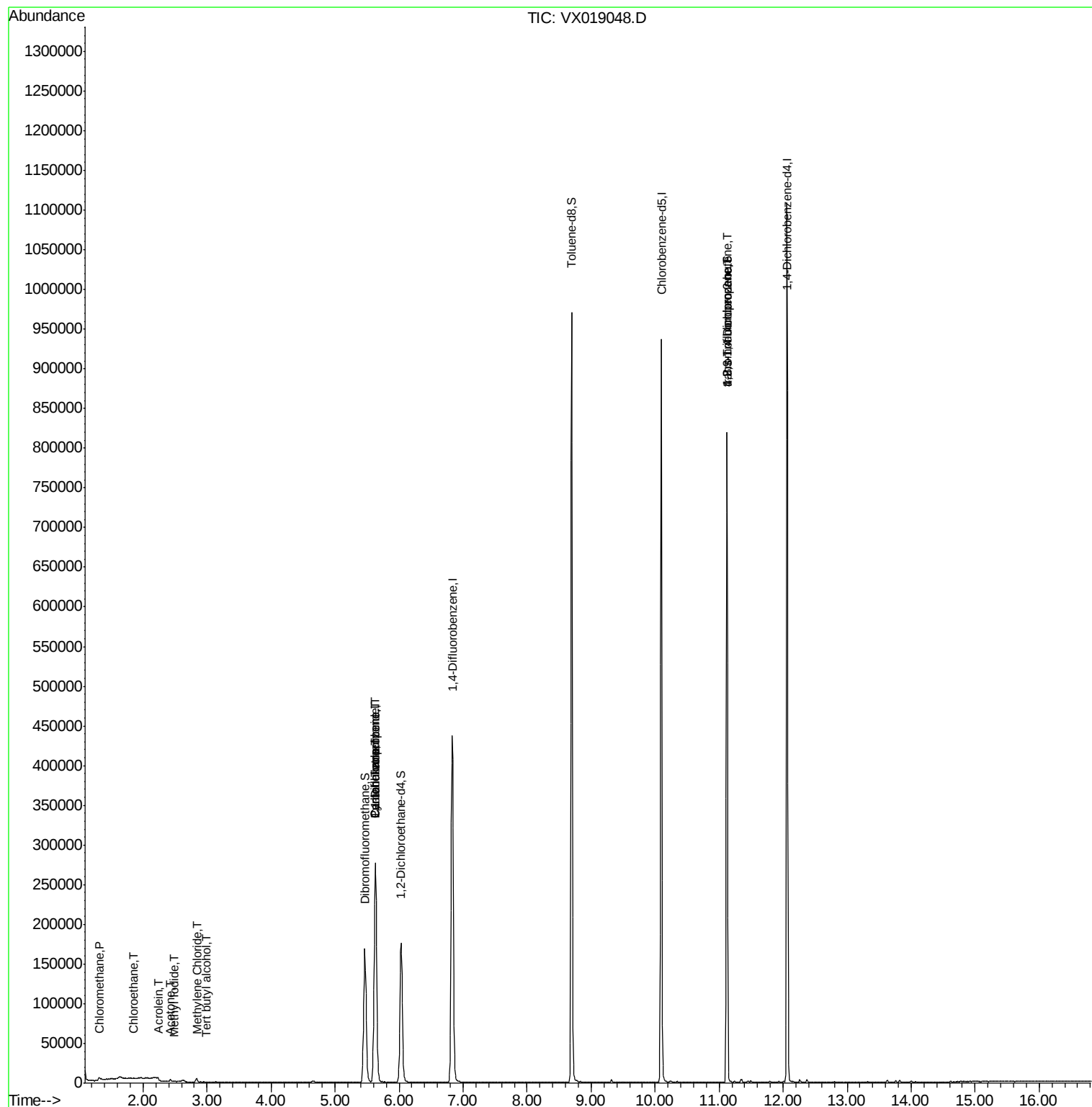
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1083	0.398	ug/l #	82
5) Bromomethane	1.64	94	436	Below Cal		88
6) Chloroethane	1.86	64	27	1.283	ug/l #	43
10) Methyl Iodide	2.49	142	296	4.844	ug/l #	72
11) Tert butyl alcohol	2.99	59	134	0.201	ug/l #	73
13) Acrolein	2.24	56	266	14.625	ug/l #	1
16) Acetone	2.43	43	3600	3.211	ug/l	89
20) Methylene Chloride	2.84	84	1920	0.615	ug/l	90
31) Cyclohexane	5.64	56	5326	1.382	ug/l #	15
36) 1,1-Dichloropropene	5.63	75	20278	4.829	ug/l #	48
38) Carbon Tetrachloride	5.63	117	26742	6.067	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	106013	23.115	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	106013	58.890	ug/l #	15

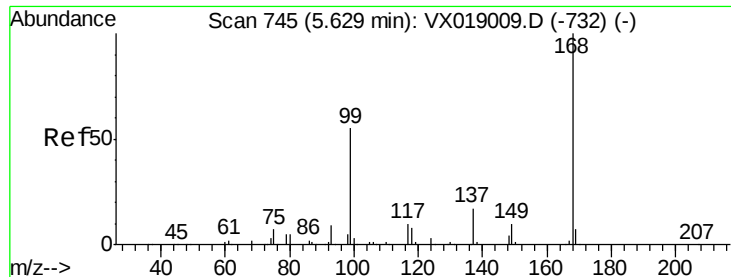
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102220\
Data File : VX019048.D
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 39 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Quant Time: Oct 23 08:38:17 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: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019048.D

Acq: 23 Oct 2020 00:12

Instrument :

MSVOA_X

ClientSampleId :

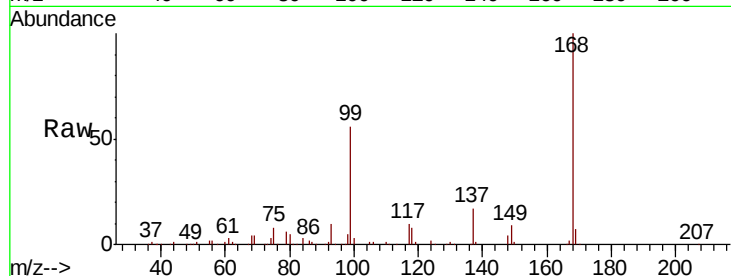
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 274813

Ion Ratio Lower Upper

168 100

99 55.6 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

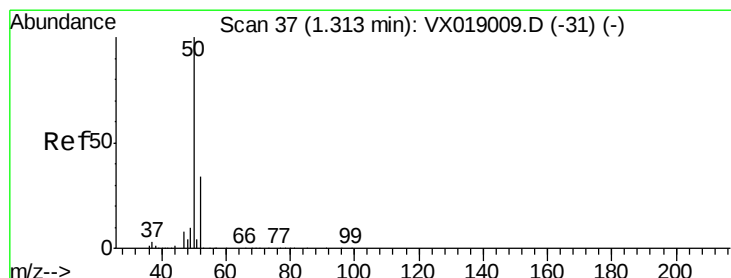
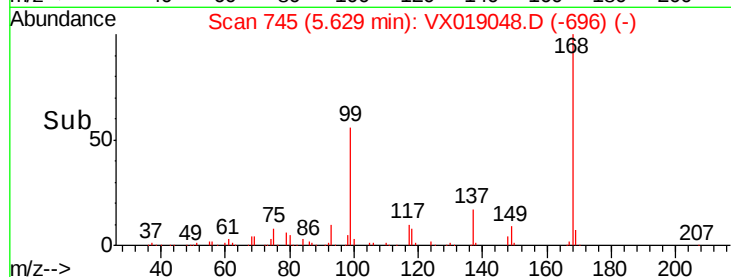
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.398 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019048.D

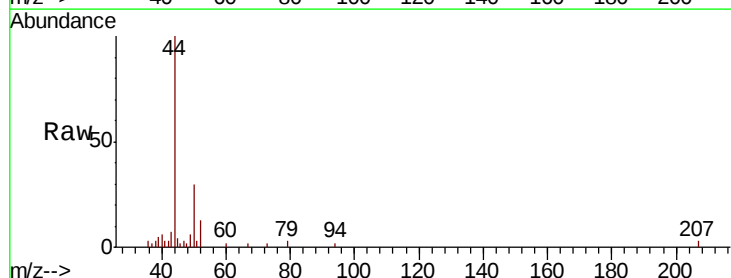
Acq: 23 Oct 2020 00:12

Tgt Ion: 50 Resp: 1083

Ion Ratio Lower Upper

50 100

52 44.0 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

1000

800

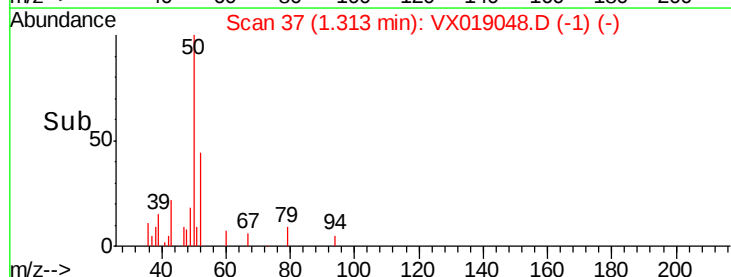
600

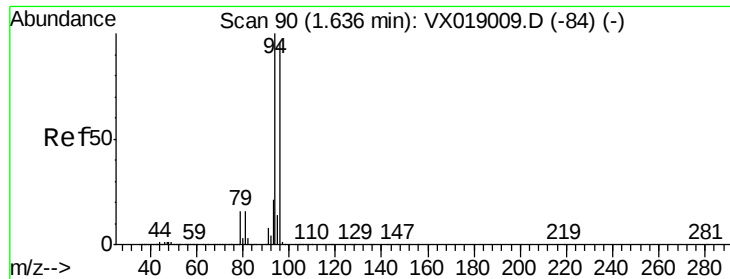
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019048.D

Acq: 23 Oct 2020 00:12

Instrument :

MSVOA_X

ClientSampleId :

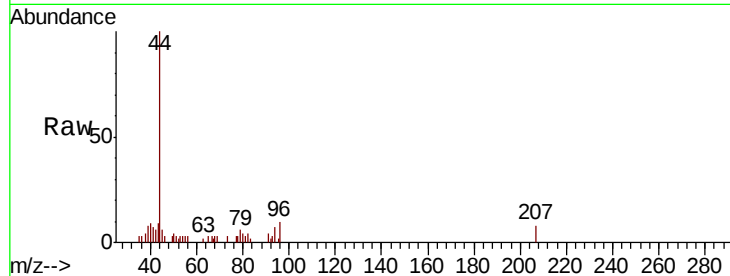
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 436

Ion Ratio Lower Upper

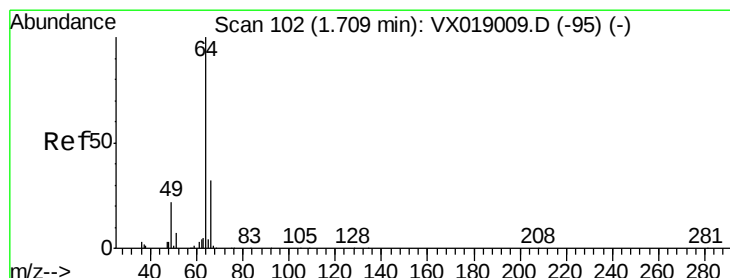
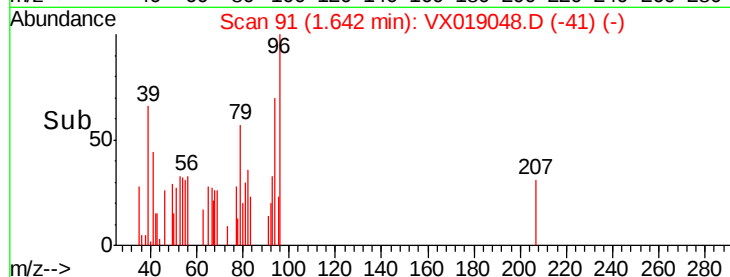
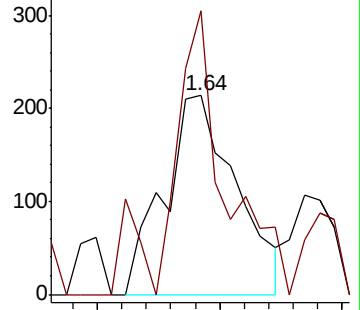
94 100

96 108.4 77.1 115.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.283 ug/l

RT: 1.86 min Scan# 126

Delta R.T. 0.15 min

Lab File: VX019048.D

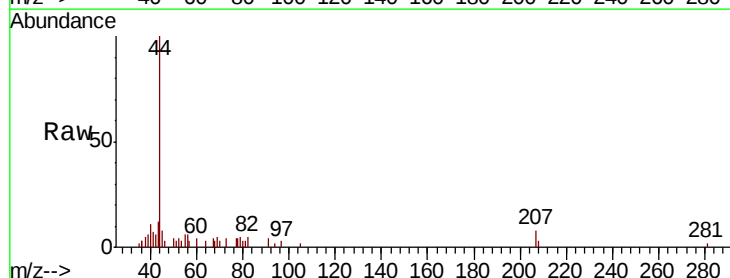
Acq: 23 Oct 2020 00:12

Tgt Ion: 64 Resp: 27

Ion Ratio Lower Upper

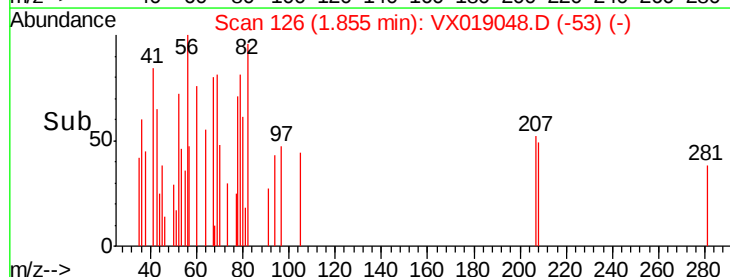
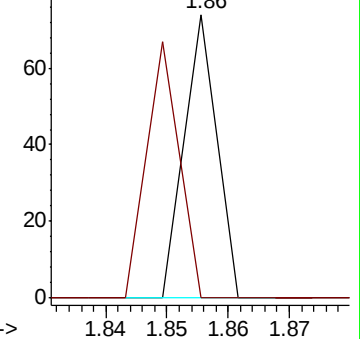
64 100

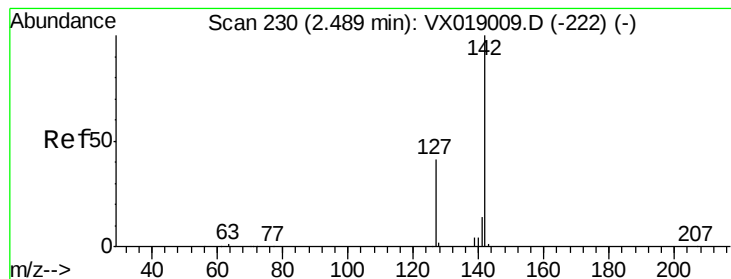
66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methvl Iodide

Concen: 4.844 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX019048.D

Acq: 23 Oct 2020 00:12

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

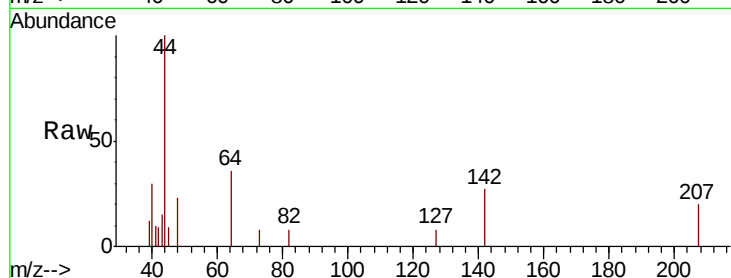
Tot Ion:142 Resp: 296

Ion Ratio Lower Upper

142 100

127 25.7 33.6 50.4#

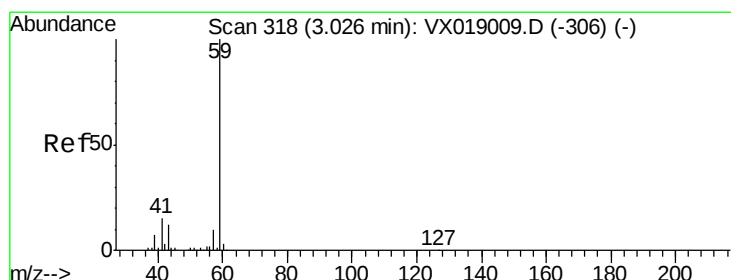
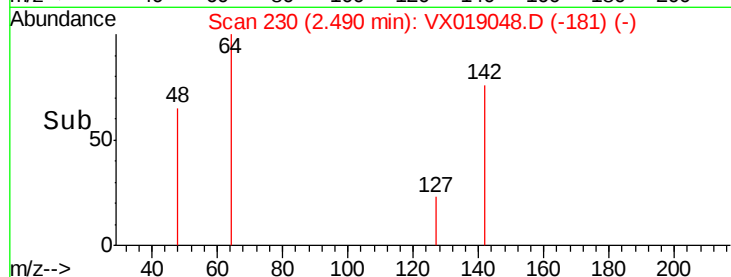
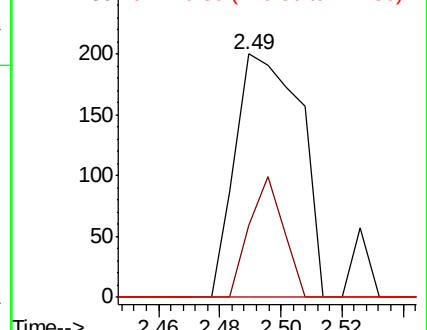
141 0.0 11.2 16.8#



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



#11

Tert butyl alcohol

Concen: 0.201 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.04 min

Lab File: VX019048.D

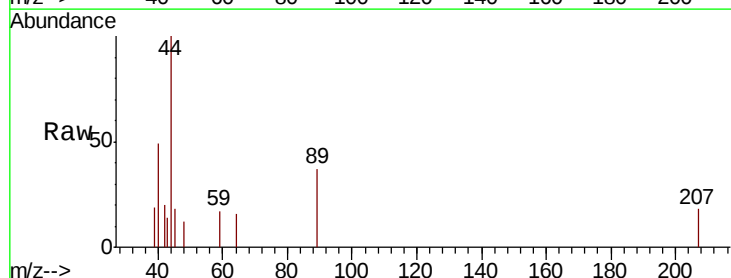
Acq: 23 Oct 2020 00:12

Tgt Ion: 59 Resp: 134

Ion Ratio Lower Upper

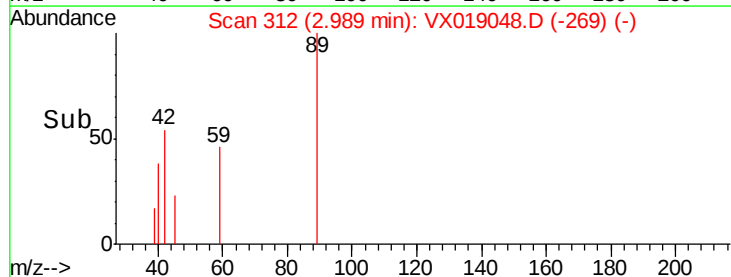
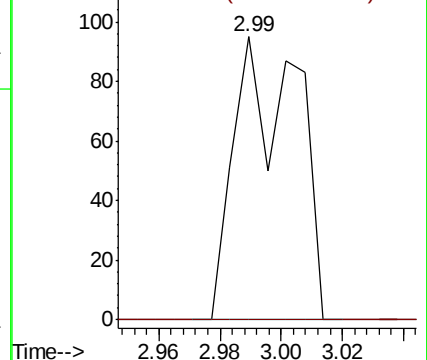
59 100

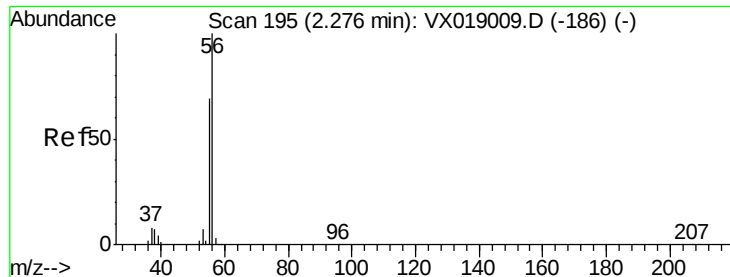
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 14.625 ug/l

RT: 2.24 min Scan# 189

Delta R.T. -0.04 min

Lab File: VX019048.D

Acq: 23 Oct 2020 00:12

Instrument :

MSVOA_X

ClientSampleId :

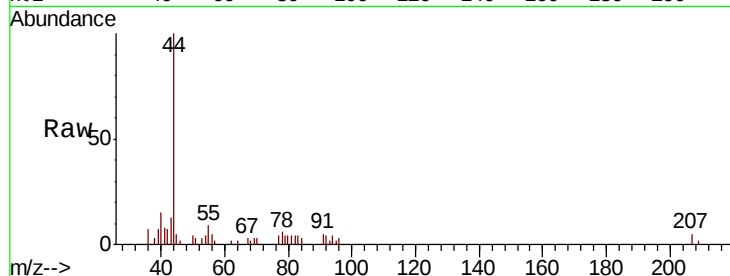
STORAGE-BLANK-WATER-REF-5

Tot Ion: 56 Resp: 266

Ion Ratio Lower Upper

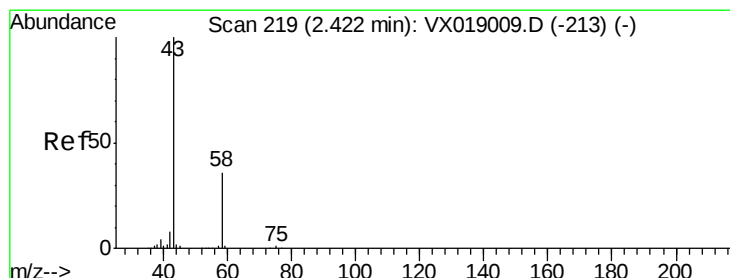
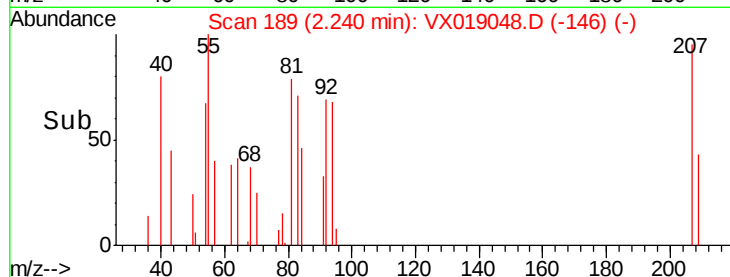
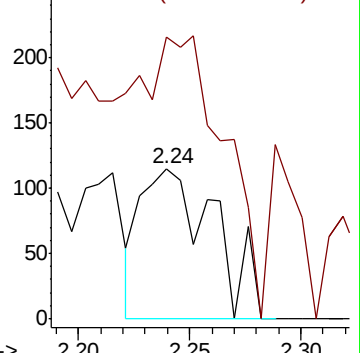
56 100

55 157.9 54.2 81.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.211 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019048.D

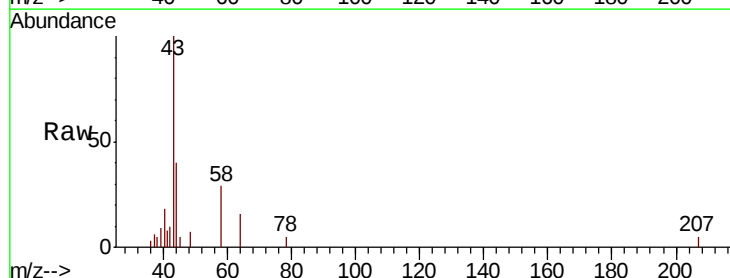
Acq: 23 Oct 2020 00:12

Tgt Ion: 43 Resp: 3600

Ion Ratio Lower Upper

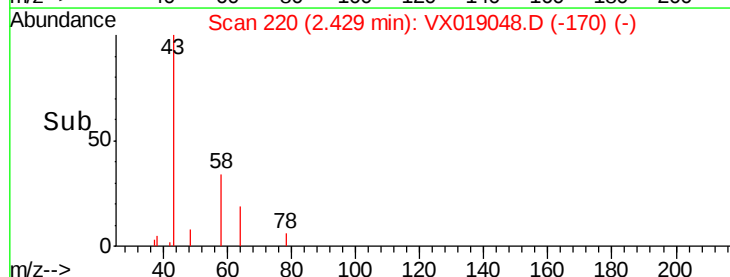
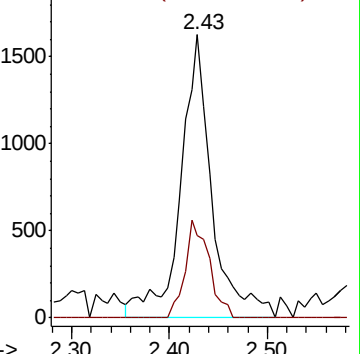
43 100

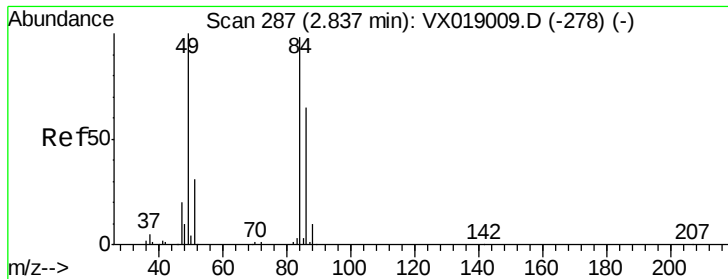
58 29.3 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

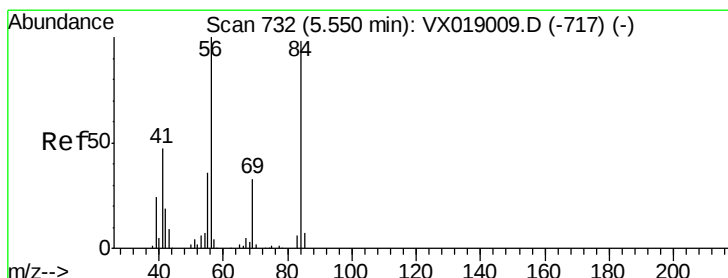
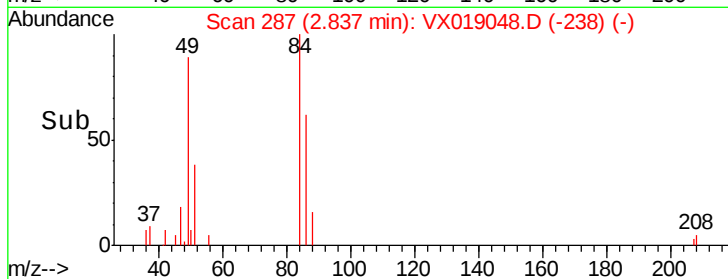
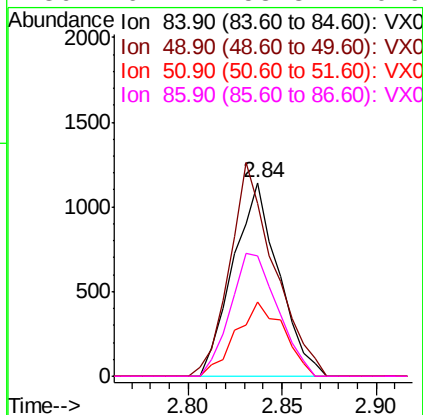
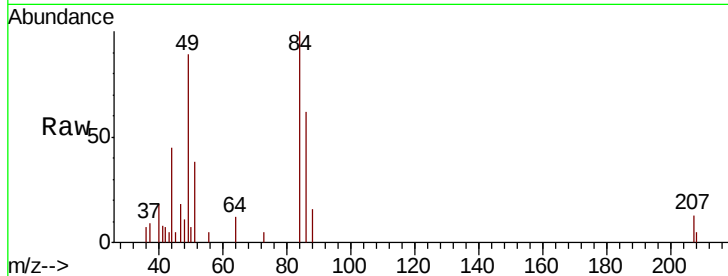




#20
Methvlene Chloride
Concen: 0.615 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019048.D
Acq: 23 Oct 2020 00:12

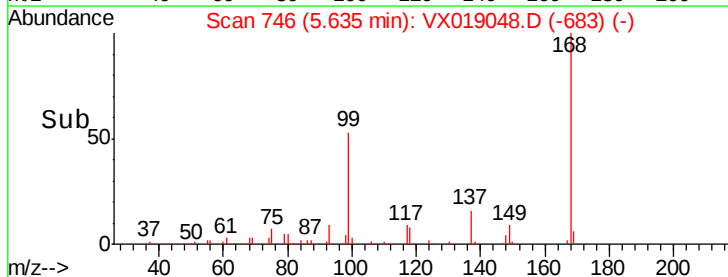
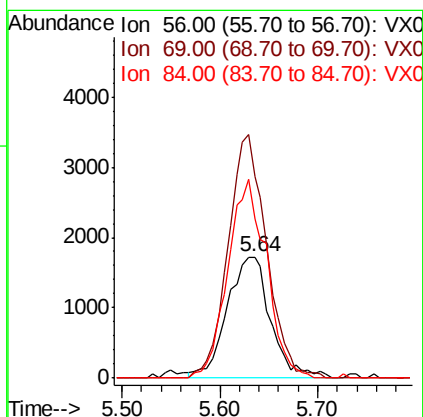
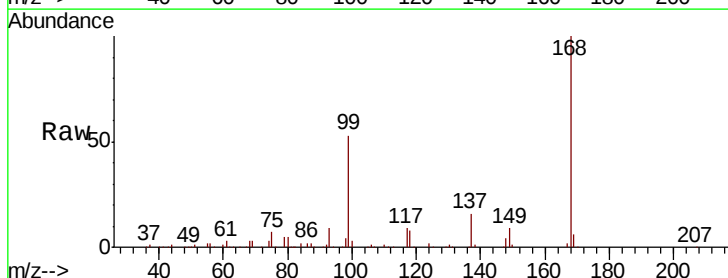
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

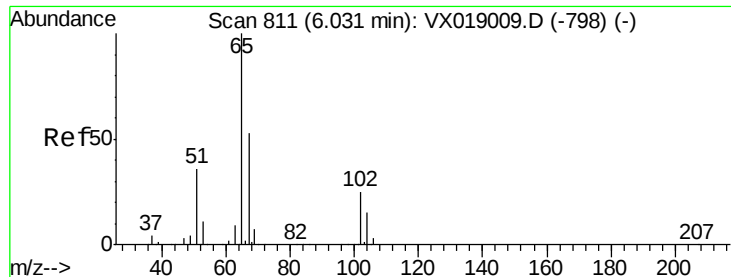
Tot Ion:	84	Resp:	1920
Ion	Ratio	Lower	Upper
84	100		
49	89.4	81.6	122.4
51	38.3	25.6	38.4
86	62.2	53.3	79.9



#31
Cyclohexane
Concen: 1.382 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX019048.D
Acq: 23 Oct 2020 00:12

Tgt Ion:	56	Resp:	5326
Ion	Ratio	Lower	Upper
56	100		
69	165.6	26.2	39.2#
84	131.4	78.3	117.5#





#33

1,2-Dichloroethane-d4

Concen: 50.206 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019048.D

Acq: 23 Oct 2020 00:12

Instrument :

MSVOA_X

ClientSampleId :

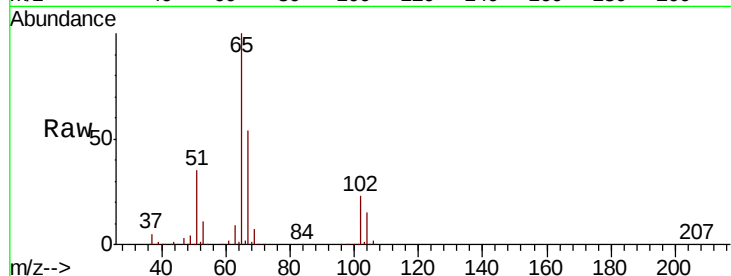
STORAGE-BLANK-WATER-REF-5

Tot Ion: 65 Resp: 165269

Ion Ratio Lower Upper

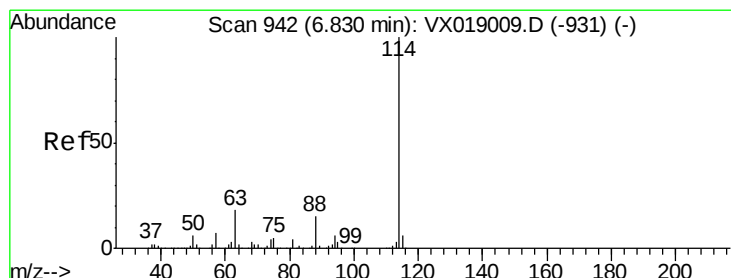
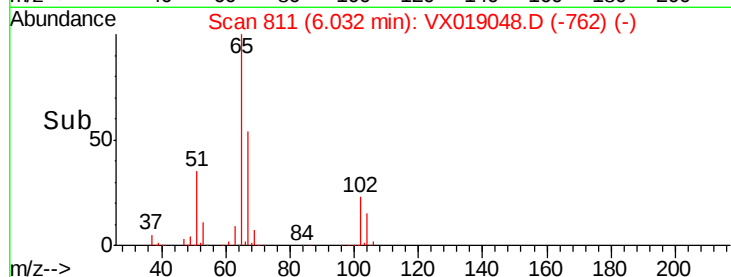
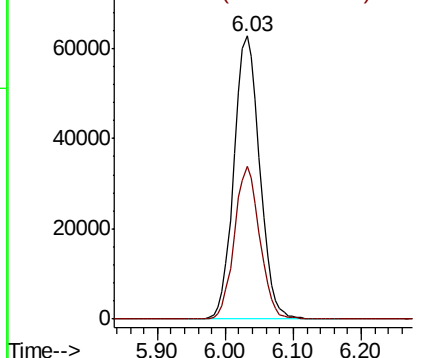
65 100

67 53.1 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: VX019048.D

Acq: 23 Oct 2020 00:12

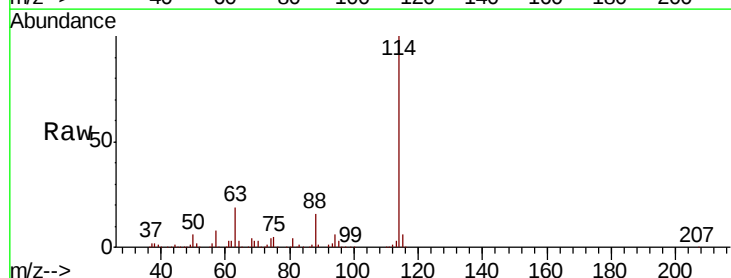
Tgt Ion: 114 Resp: 468017

Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.8

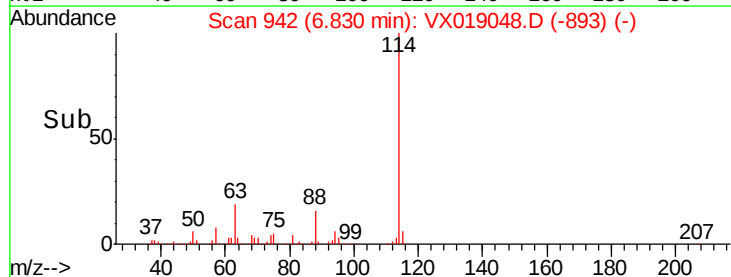
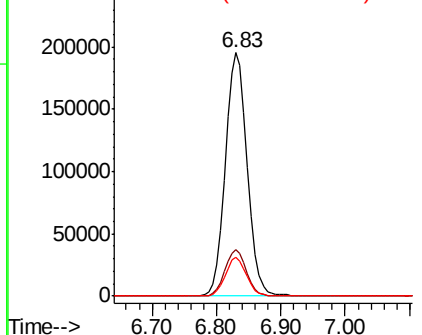
88 15.8 0.0 30.2

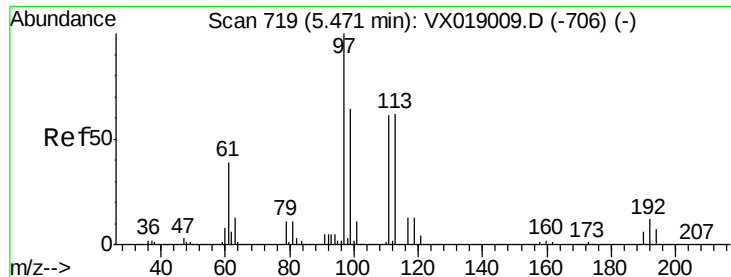


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

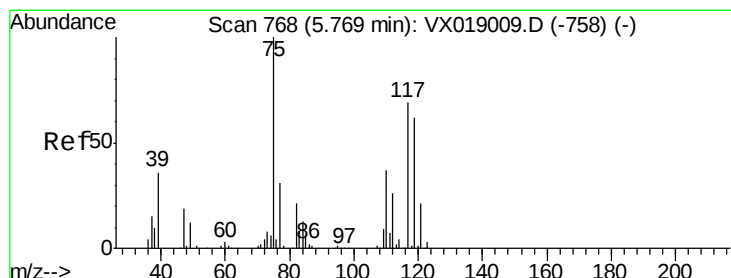
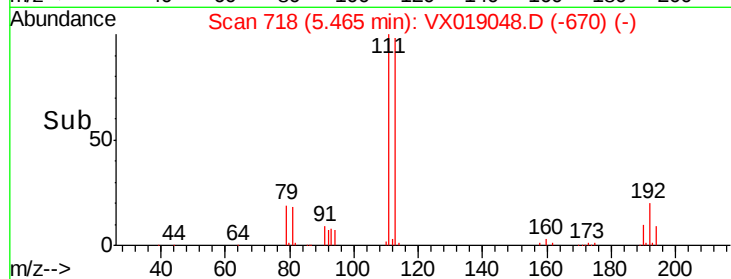
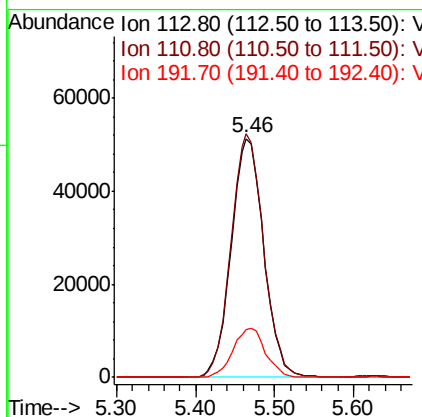
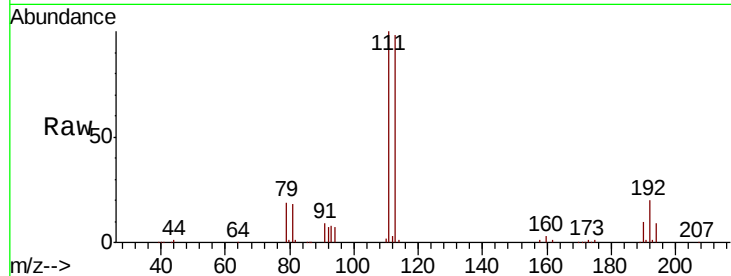




#35
 Dibromofluoromethane
 Concen: 49.671 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX019048.D
 Acq: 23 Oct 2020 00:12

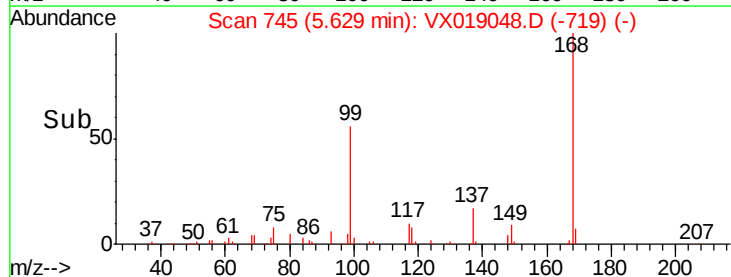
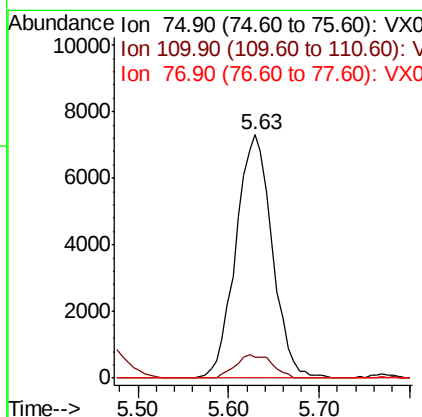
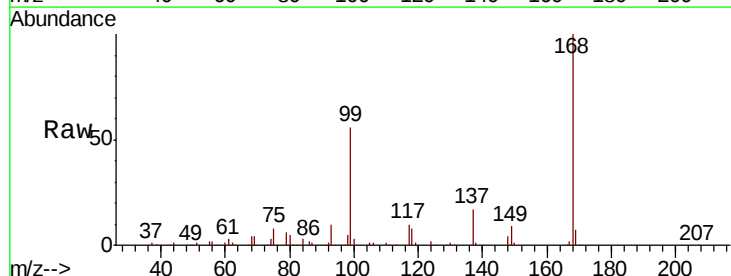
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

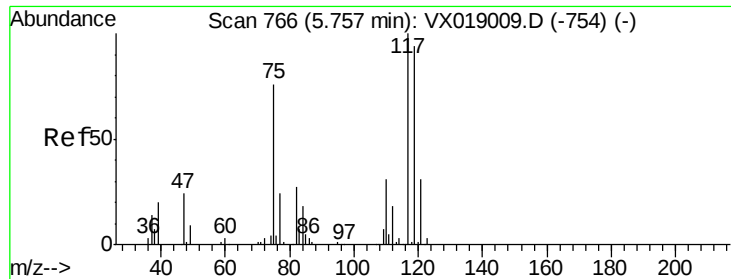
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.5	122.3
192	20.4	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 4.829 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019048.D
 Acq: 23 Oct 2020 00:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	19.4	58.2#
77	0.0	25.2	37.8#

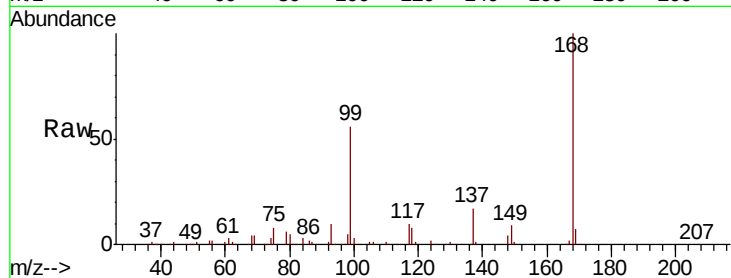




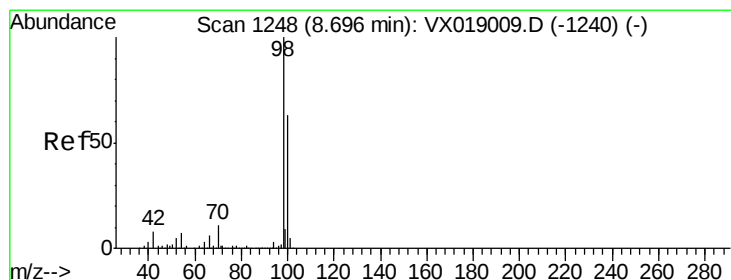
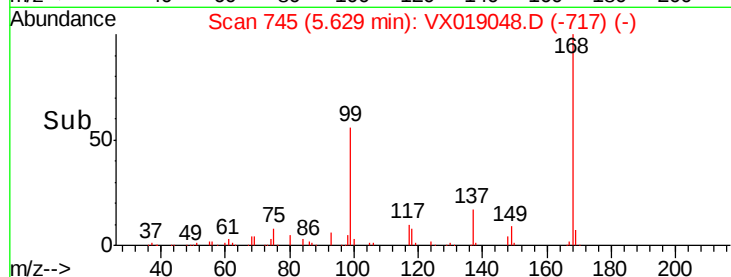
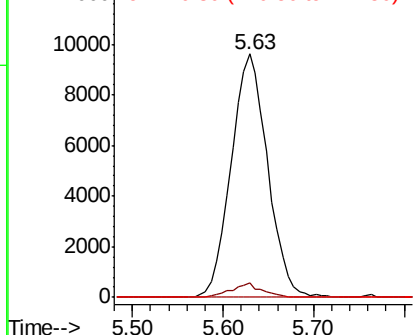
#38
Carbon Tetrachloride
Concen: 6.067 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX019048.D
Acq: 23 Oct 2020 00:12

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tot Ion:117 Resp: 26742
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.0#
121 0.0 25.0 37.6#

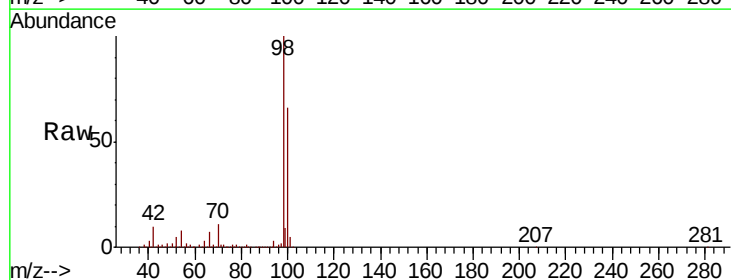


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

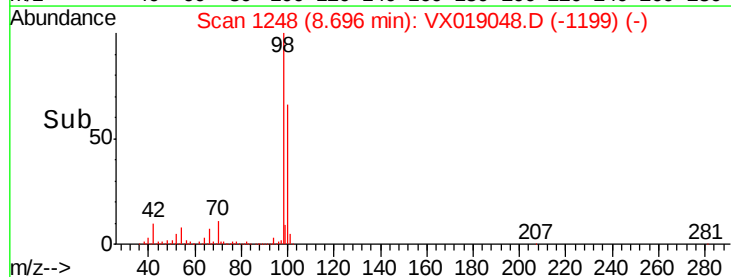
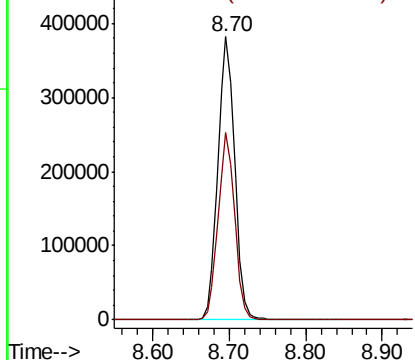


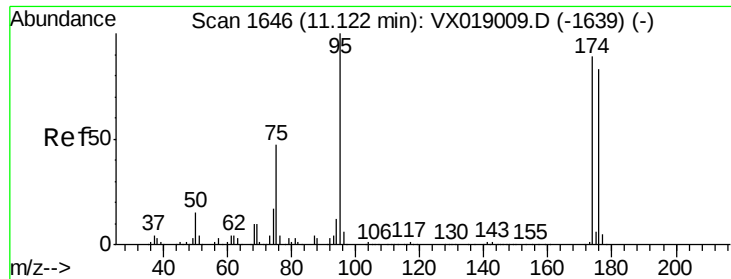
#50
Toluene-d8
Concen: 51.660 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019048.D
Acq: 23 Oct 2020 00:12

Tgt Ion: 98 Resp: 584141
Ion Ratio Lower Upper
98 100
100 65.2 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: 52.697 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019048.D

Acq: 23 Oct 2020 00:12

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

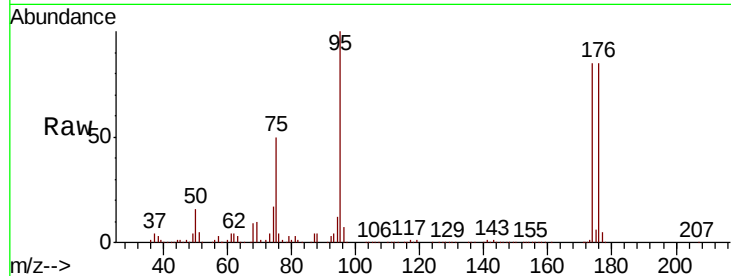
Tot Ion: 95 Resp: 211954

Ion Ratio Lower Upper

95 100

174 84.4 0.0 167.6

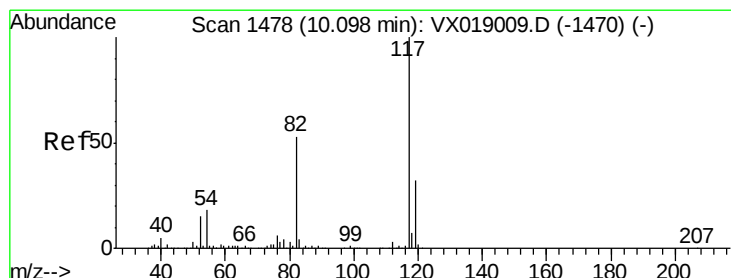
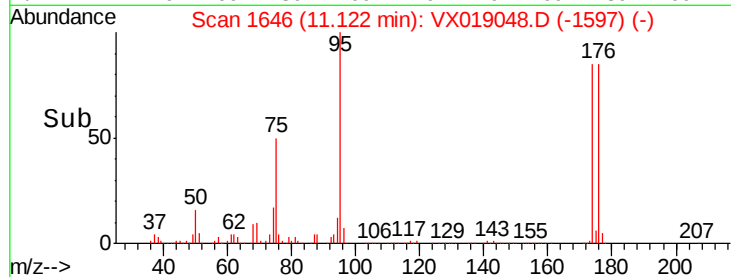
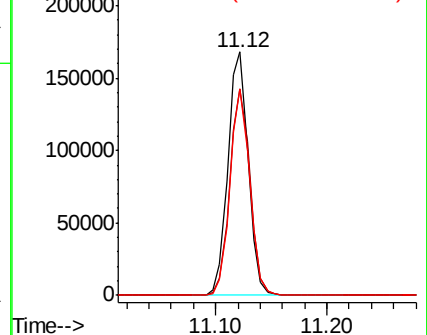
176 82.5 0.0 165.2



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: VX019048.D

Acq: 23 Oct 2020 00:12

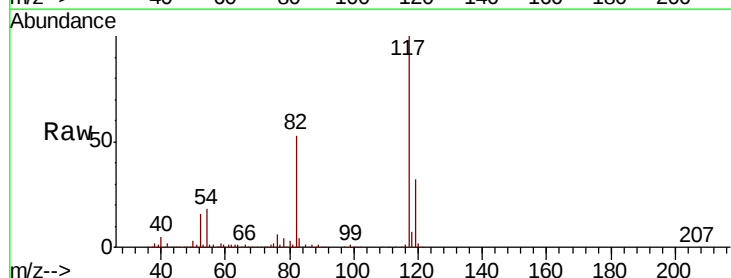
Tgt Ion: 117 Resp: 450971

Ion Ratio Lower Upper

117 100

82 52.7 42.4 63.6

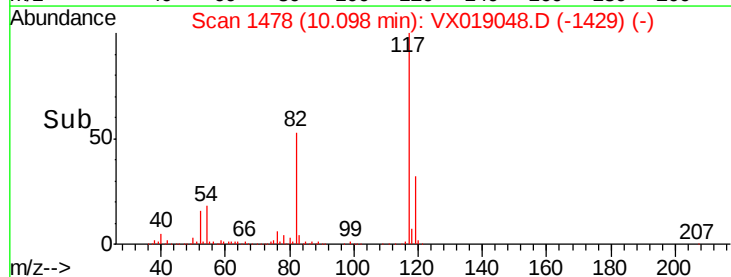
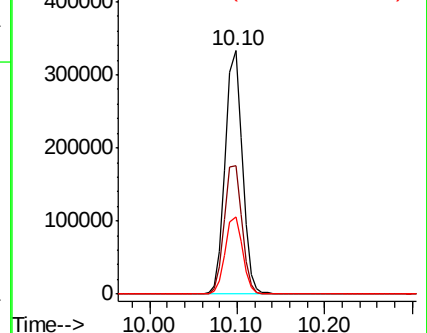
119 31.9 25.6 38.4

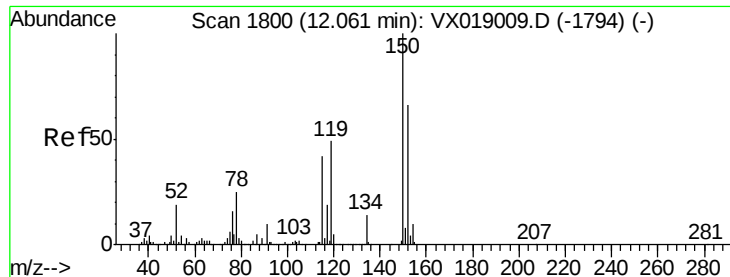


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX019048.D

Acq: 23 Oct 2020 00:12

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

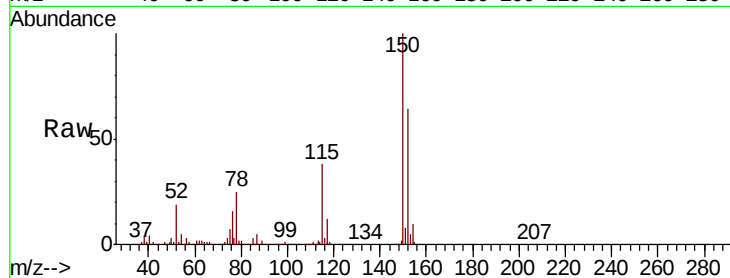
Tot Ion:152 Resp: 229469

Ion Ratio Lower Upper

152 100

115 57.9 40.8 122.5

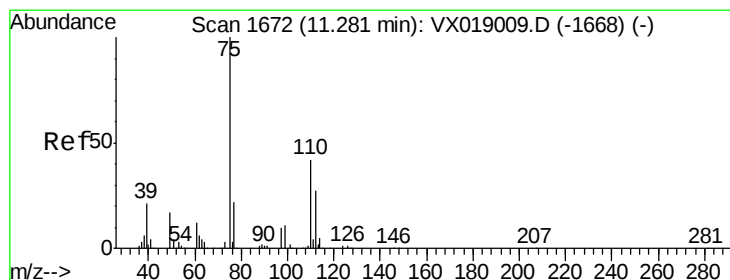
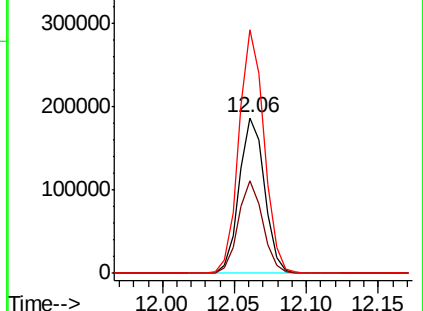
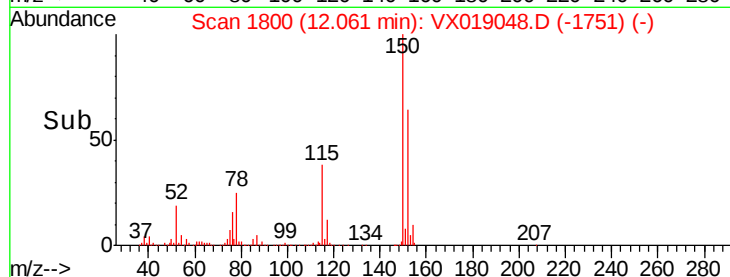
150 155.4 0.0 345.6



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: 23.115 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019048.D

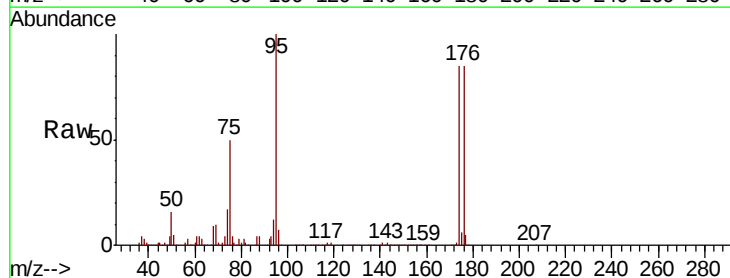
Acq: 23 Oct 2020 00:12

Tgt Ion: 75 Resp: 106013

Ion Ratio Lower Upper

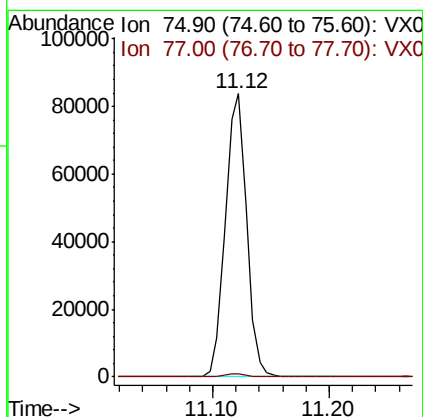
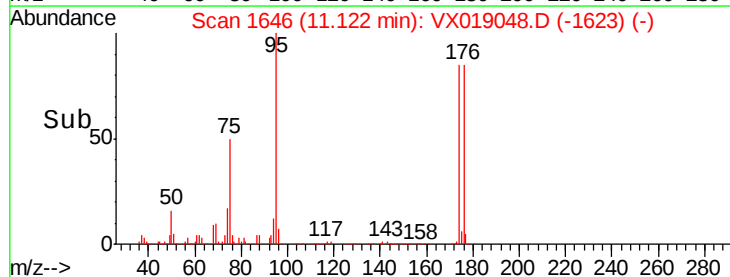
75 100

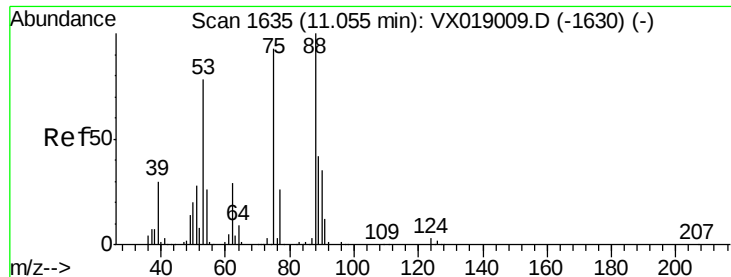
77 1.2 20.7 62.1#



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: 58.890 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019048.D

Acq: 23 Oct 2020 00:12

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 106013

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#

