

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019053.D
 Acq On : 23 Oct 2020 02:04
 Operator : JC/SP
 Sample : L4490-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 201021001-10-TRIP-BLANK

Quant Time: Oct 23 08:39:18 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	5.64	168	262185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	460931	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	437121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	224125	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	163327	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
35) Dibromofluoromethane	5.46	113	143178	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	8.70	98	571354	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.12	95	204148	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	

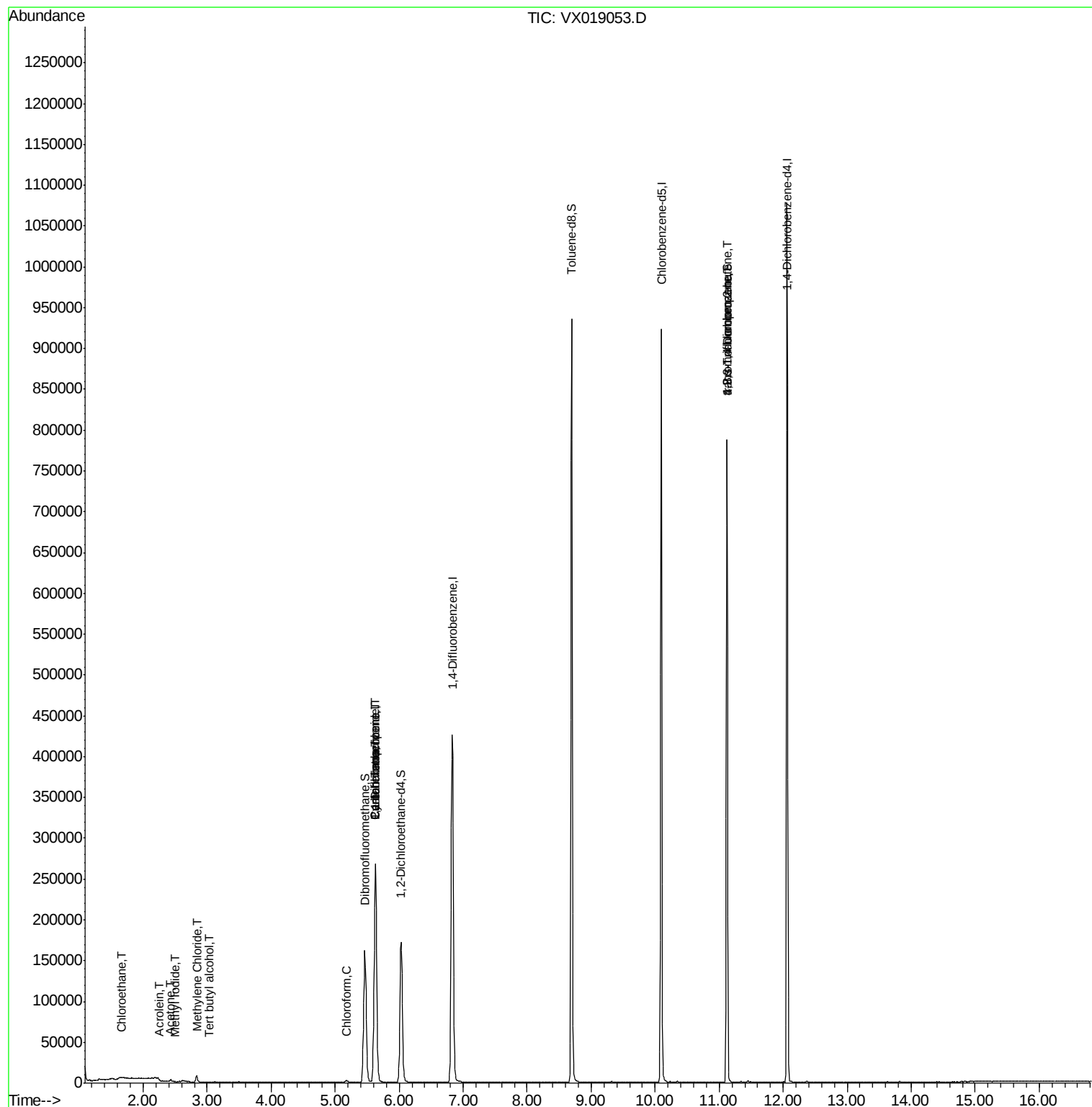
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	317	Below Cal		83
6) Chloroethane	1.65	64	25	1.282	ug/l #	43
10) Methyl Iodide	2.50	142	48	4.782	ug/l #	42
11) Tert butyl alcohol	3.03	59	134	0.211	ug/l #	73
13) Acrolein	2.26	56	43	13.794	ug/l #	16
16) Acetone	2.43	43	3297	3.082	ug/l	96
20) Methylene Chloride	2.84	84	3730	1.253	ug/l	93
30) Chloroform	5.18	83	2944	0.572	ug/l #	83
31) Cyclohexane	5.63	56	5059	1.376	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	19660	4.753	ug/l #	48
38) Carbon Tetrachloride	5.63	117	26291	6.056	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	102016	22.773	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	102016	58.021	ug/l #	15

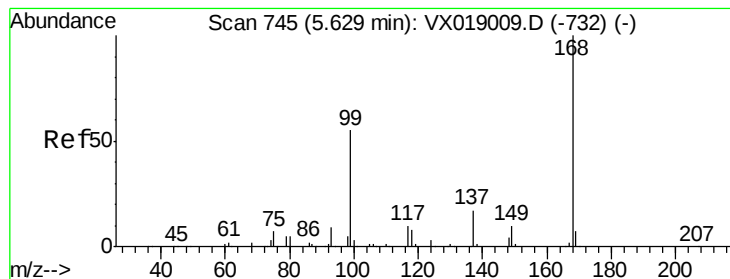
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019053.D

Acq: 23 Oct 2020 02:04

Instrument :

MSVOA_X

ClientSampleId :

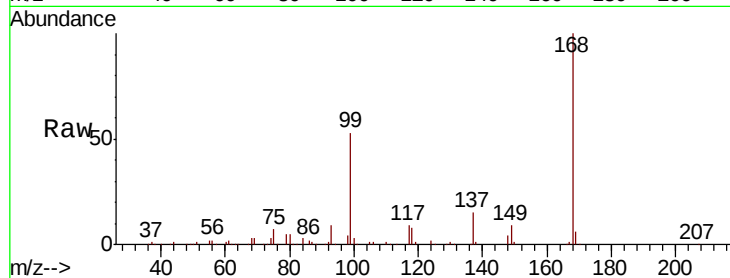
201021001-10-TRIP-BLANK

Tot Ion:168 Resp: 262185

Ion Ratio Lower Upper

168 100

99 53.3 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

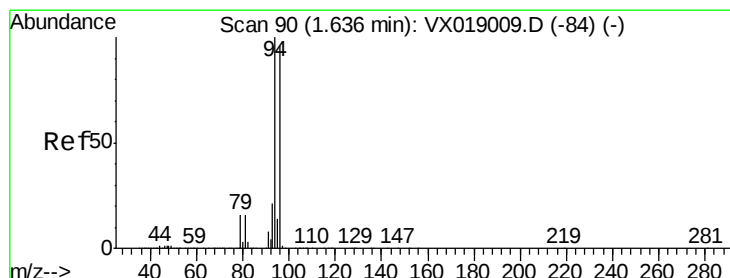
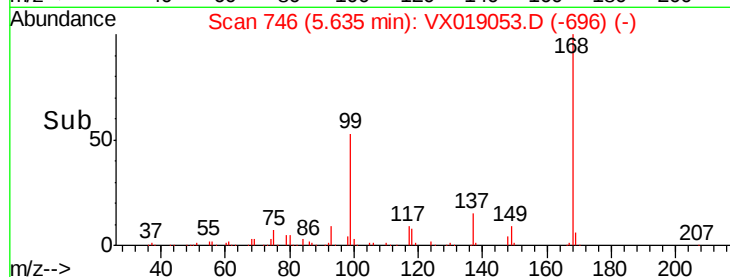
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019053.D

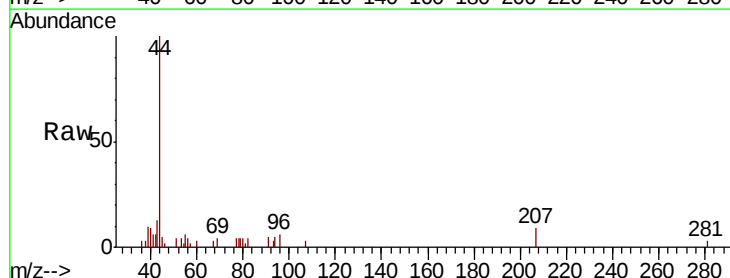
Acq: 23 Oct 2020 02:04

Tgt Ion: 94 Resp: 317

Ion Ratio Lower Upper

94 100

96 113.3 77.1 115.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

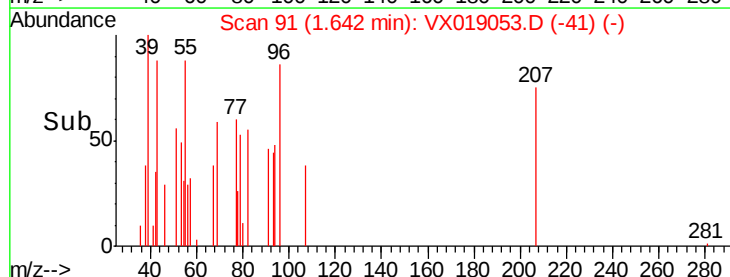
150

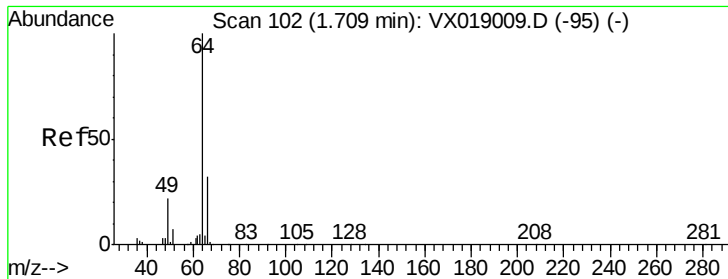
100

50

0

Time-->





#6

Chloroethane

Concen: 1.282 ug/l

RT: 1.65 min Scan# 93

Delta R.T. -0.05 min

Lab File: VX019053.D

Acq: 23 Oct 2020 02:04

Instrument :

MSVOA_X

ClientSampleId :

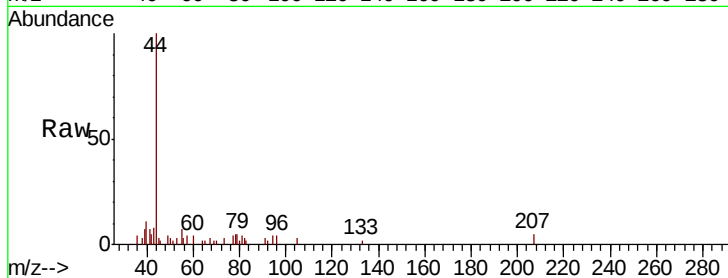
201021001-10-TRIP-BLANK

Tot Ion: 64 Resp: 25

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

1.65

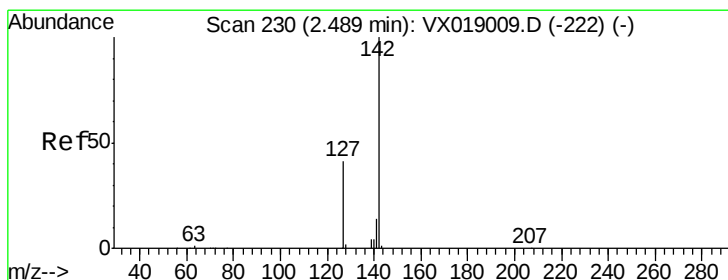
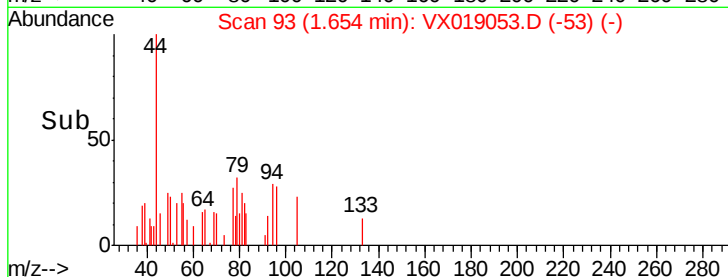
60

40

20

0

Time--> 1.63 1.64 1.65 1.66 1.67



#10

Methyl Iodide

Concen: 4.782 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019053.D

Acq: 23 Oct 2020 02:04

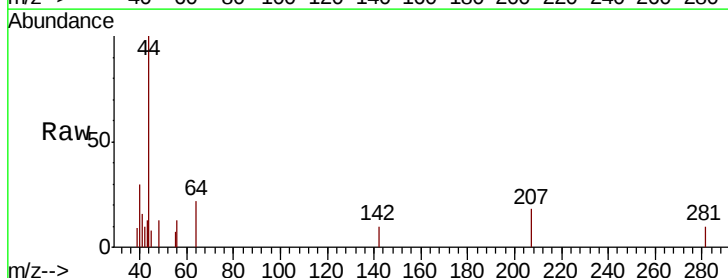
Tgt Ion: 142 Resp: 48

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

100

80

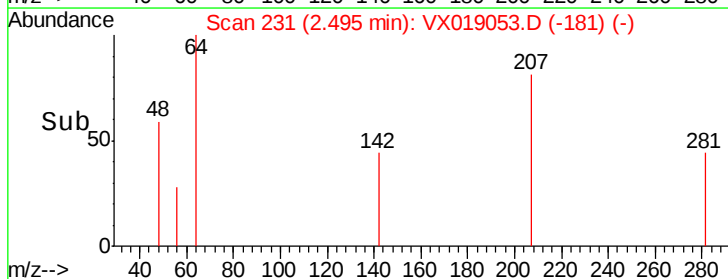
60

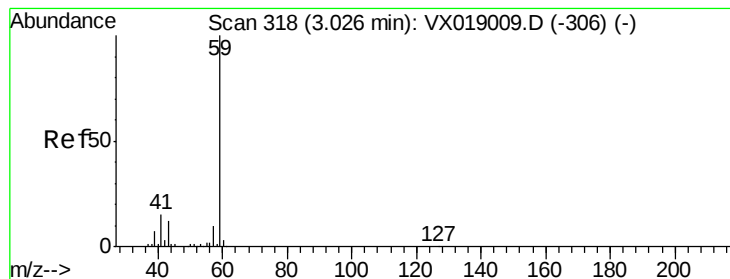
40

20

0

Time--> 2.48 2.50 2.52





#11

Tert butyl alcohol

Concen: 0.211 ug/l

RT: 3.03 min Scan# 319

Delta R.T. 0.01 min

Lab File: VX019053.D

Acq: 23 Oct 2020 02:04

Instrument :

MSVOA_X

ClientSampleId :

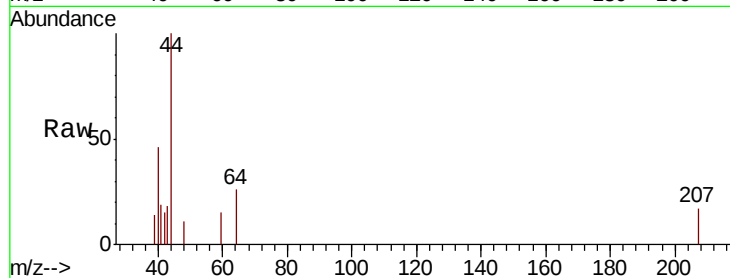
201021001-10-TRIP-BLANK

Tot Ion: 59 Resp: 134

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#

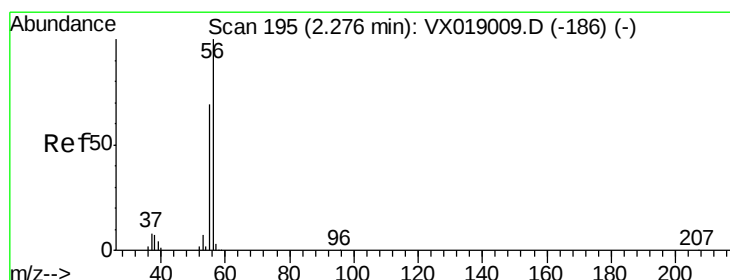
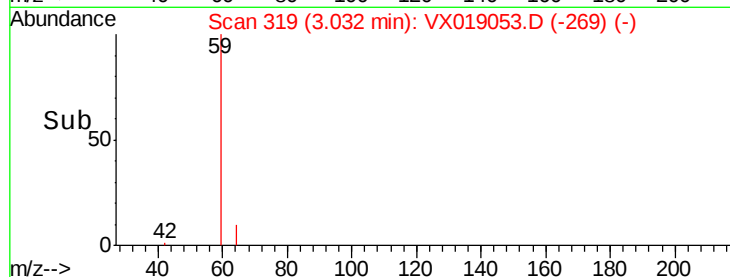


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

Time-->



#13

Acrolein

Concen: 13.794 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX019053.D

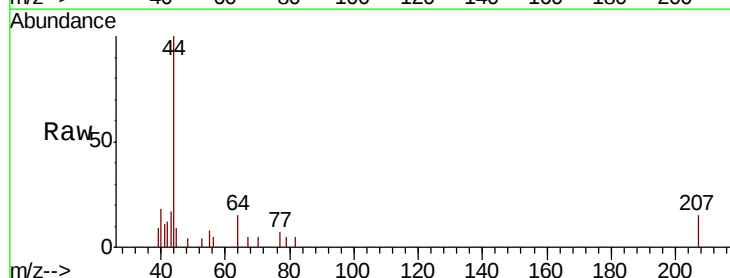
Acq: 23 Oct 2020 02:04

Tgt Ion: 56 Resp: 43

Ion Ratio Lower Upper

56 100

55 0.0 54.2 81.4#

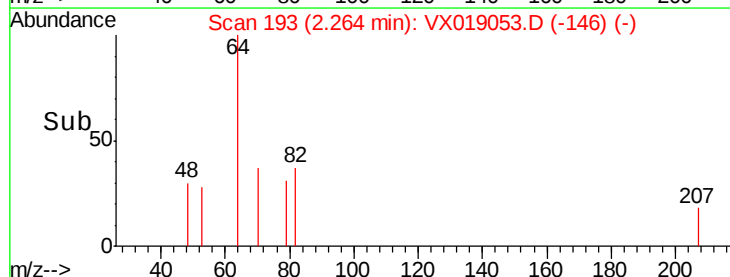


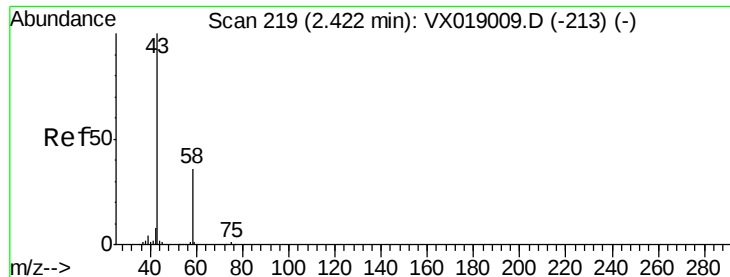
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.26

Time-->





#16

Acetone

Concen: 3.082 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019053.D

Acq: 23 Oct 2020 02:04

Instrument :

MSVOA_X

ClientSampleId :

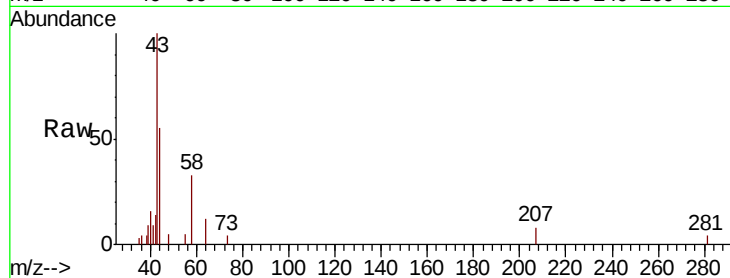
201021001-10-TRIP-BLANK

Tot Ion: 43 Resp: 3297

Ion Ratio Lower Upper

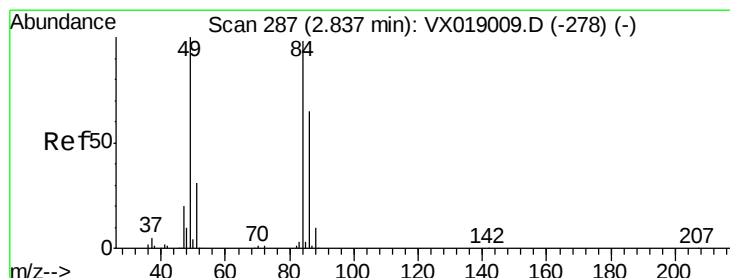
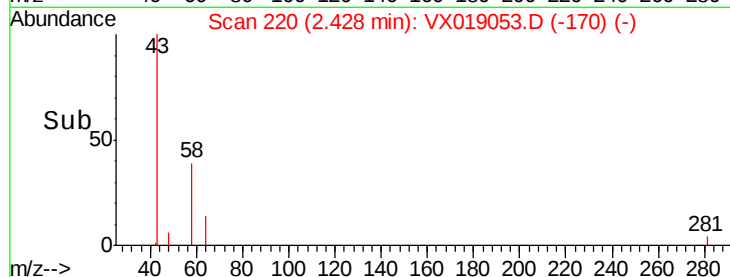
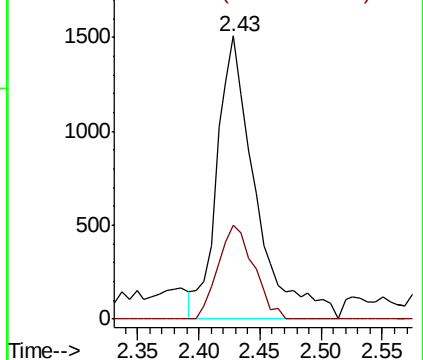
43 100

58 33.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 1.253 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX019053.D

Acq: 23 Oct 2020 02:04

Tgt Ion: 84 Resp: 3730

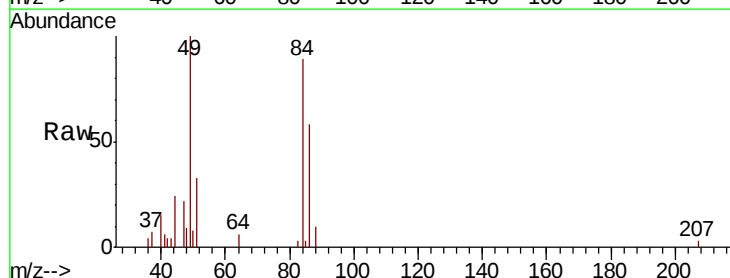
Ion Ratio Lower Upper

84 100

49 112.0 81.6 122.4

51 36.6 25.6 38.4

86 65.0 53.3 79.9

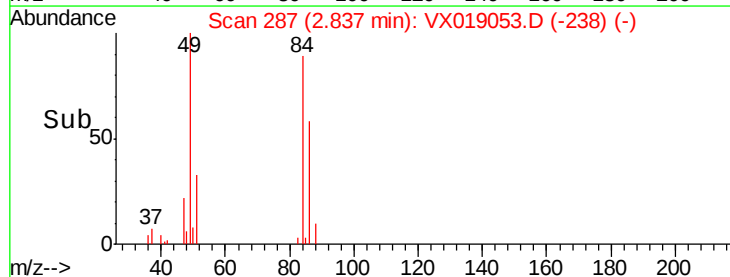
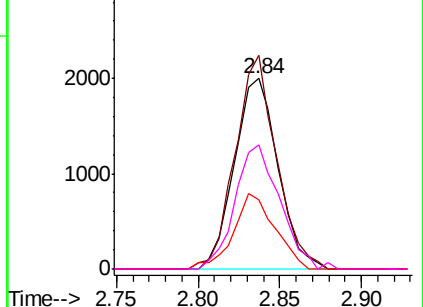


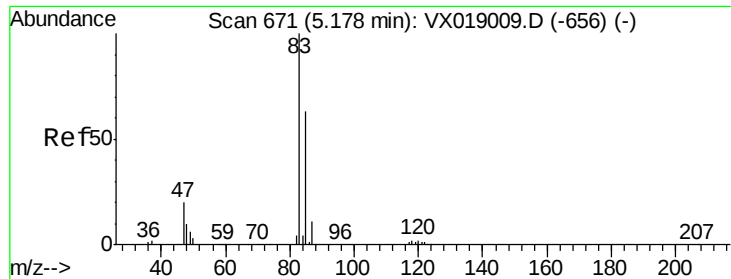
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

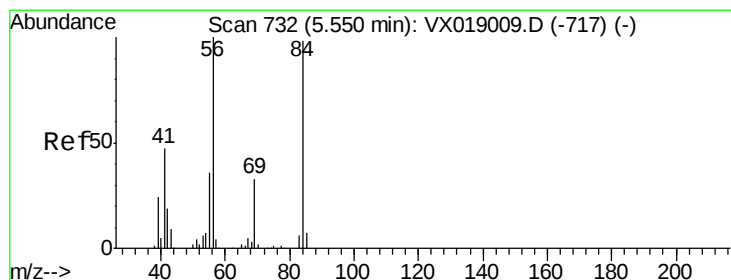
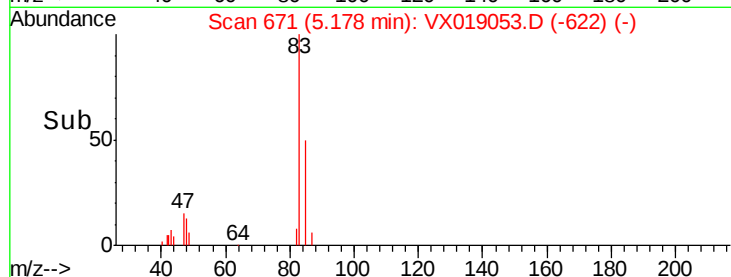
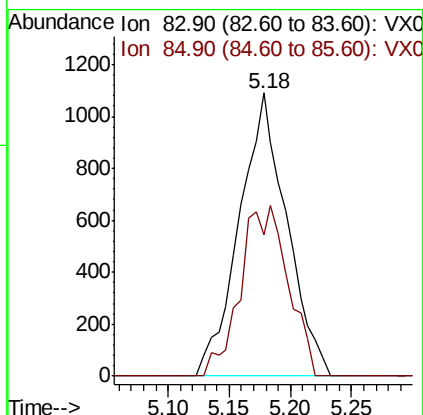
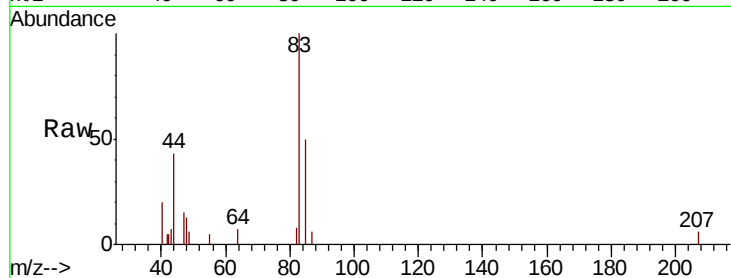




#30
Chloroform
Concen: 0.572 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX019053.D
Acq: 23 Oct 2020 02:04

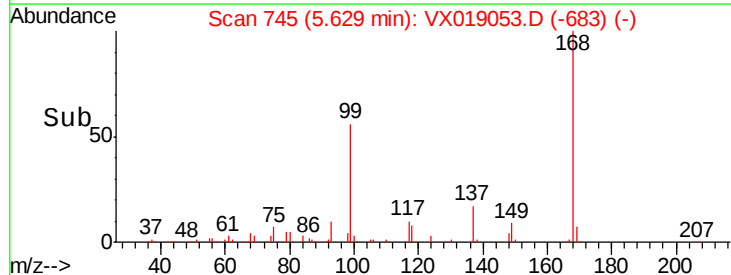
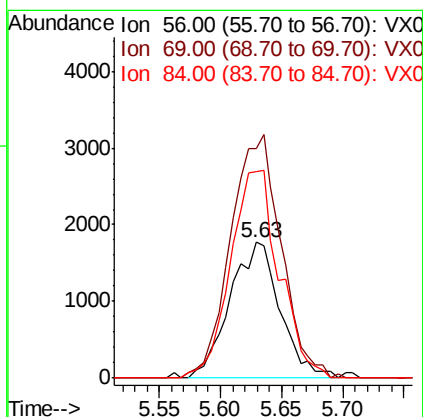
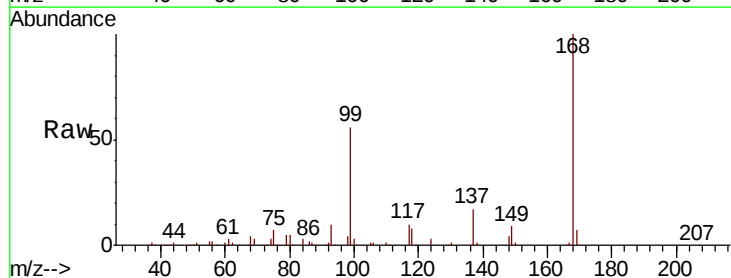
Instrument :
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201021001-10-TRIP-BLANK

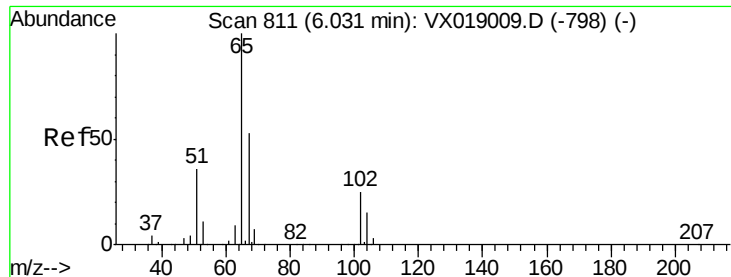
Tot Ion: 83 Resp: 2944
Ion Ratio Lower Upper
83 100
85 50.0 50.5 75.7#



#31
Cyclohexane
Concen: 1.376 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019053.D
Acq: 23 Oct 2020 02:04

Tgt Ion: 56 Resp: 5059
Ion Ratio Lower Upper
56 100
69 166.1 26.2 39.2#
84 151.8 78.3 117.5#





#33

1,2-Dichloroethane-d4

Concen: 52.006 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019053.D

Acq: 23 Oct 2020 02:04

Instrument :

MSVOA_X

ClientSampleId :

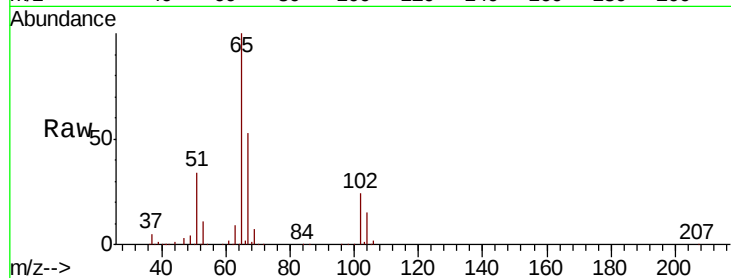
201021001-10-TRIP-BLANK

Tot Ion: 65 Resp: 163327

Ion Ratio Lower Upper

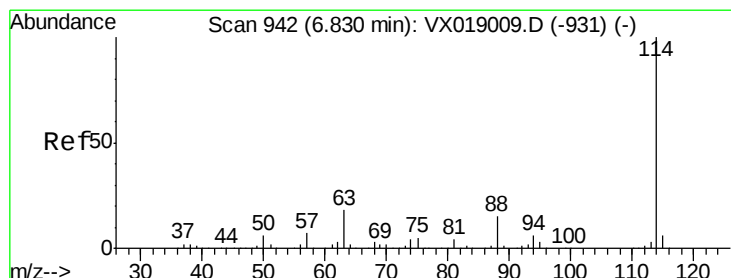
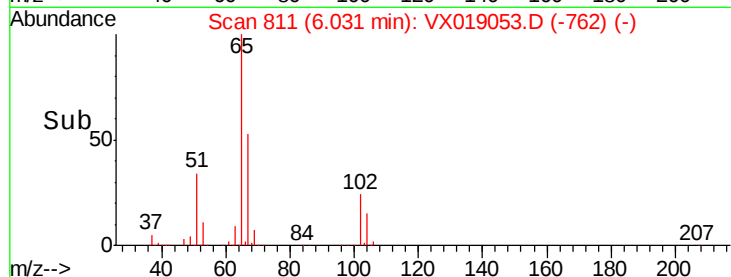
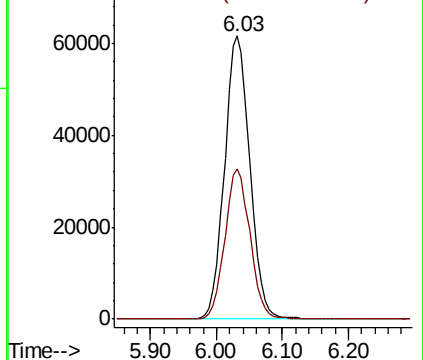
65 100

67 52.6 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: VX019053.D

Acq: 23 Oct 2020 02:04

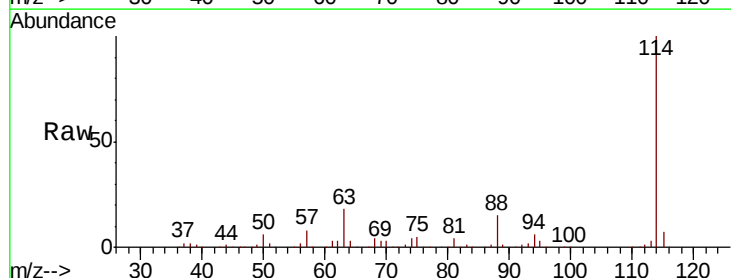
Tgt Ion: 114 Resp: 460931

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.8

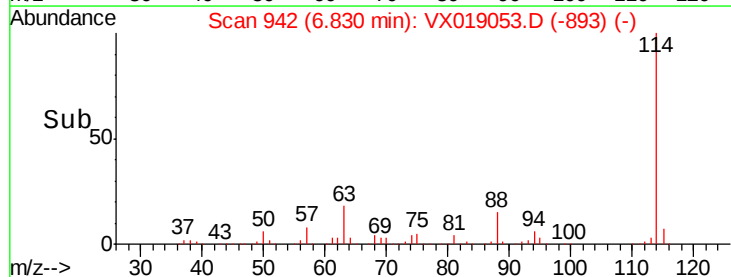
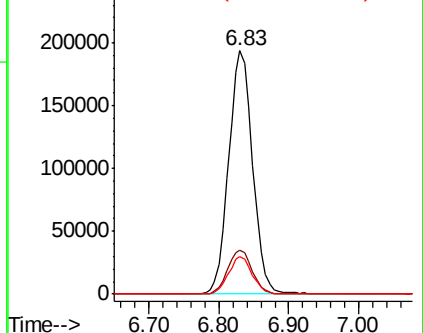
88 15.4 0.0 30.2

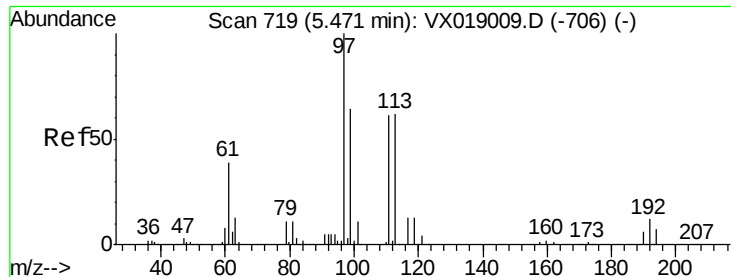


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

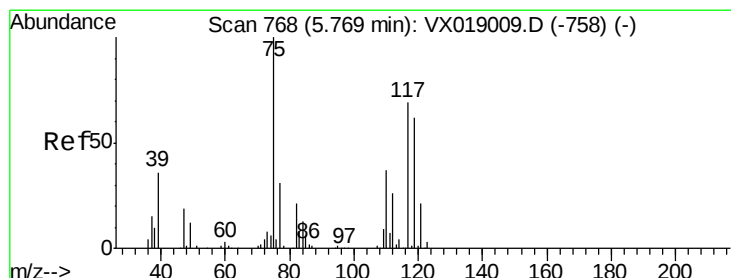
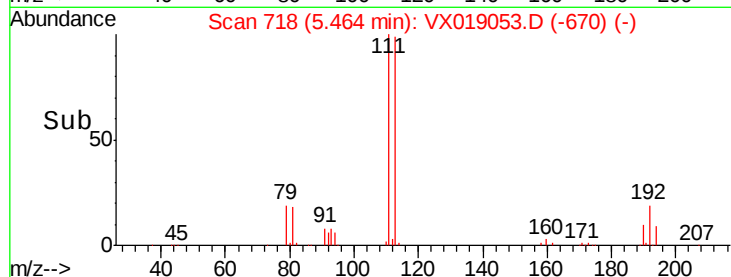
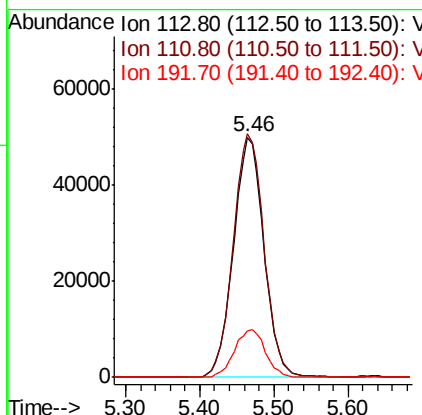
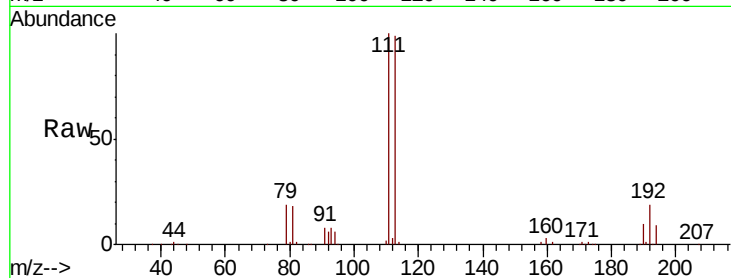




#35
Dibromofluoromethane
Concen: 49.062 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX019053.D
Acq: 23 Oct 2020 02:04

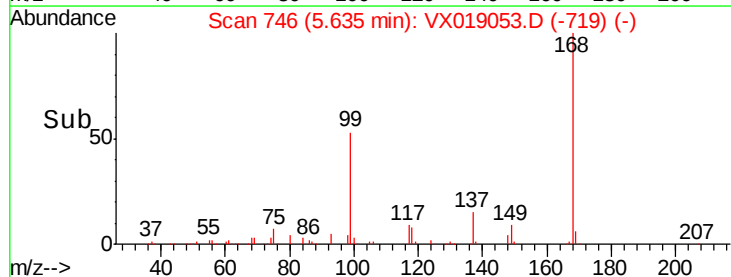
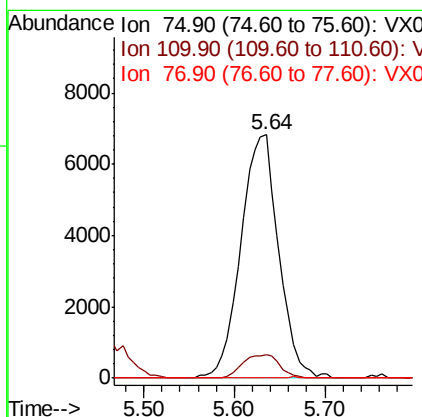
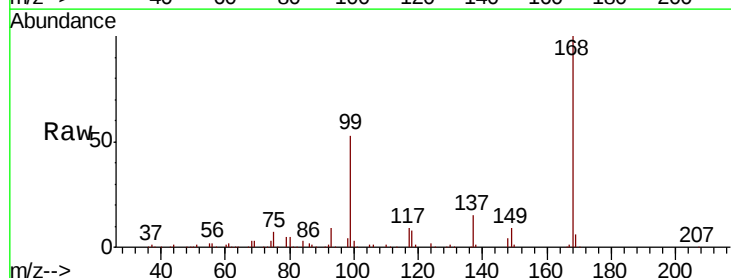
Instrument :
MSVOA_X
ClientSampleId :
201021001-10-TRIP-BLANK

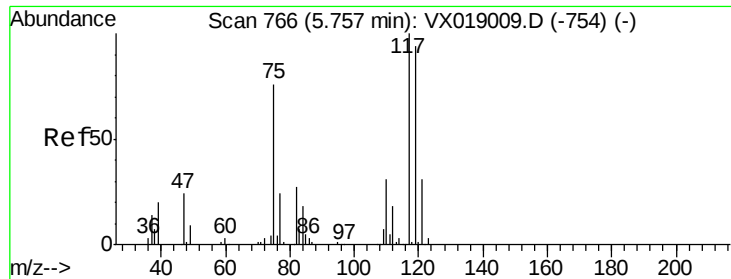
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.5	122.3
192	20.4	16.3	24.5



#36
1,1-Dichloropropene
Concen: 4.753 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.13 min
Lab File: VX019053.D
Acq: 23 Oct 2020 02:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.4	58.2#
77	0.0	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 6.056 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019053.D

Acq: 23 Oct 2020 02:04

Instrument :

MSVOA_X

ClientSampleId :

201021001-10-TRIP-BLANK

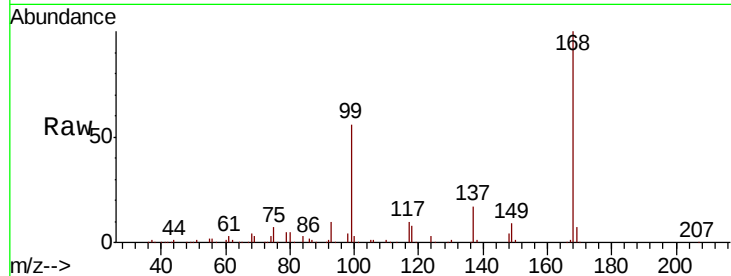
Tot Ion:117 Resp: 26291

Ion Ratio Lower Upper

117 100

119 4.9 75.4 113.0#

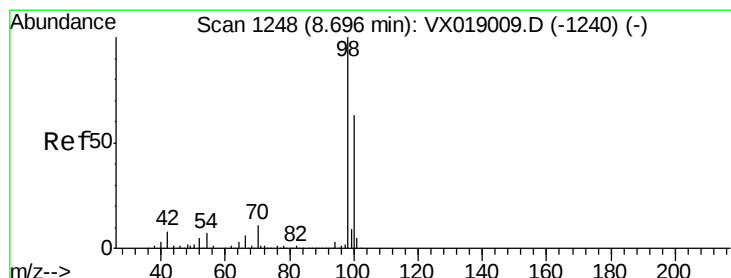
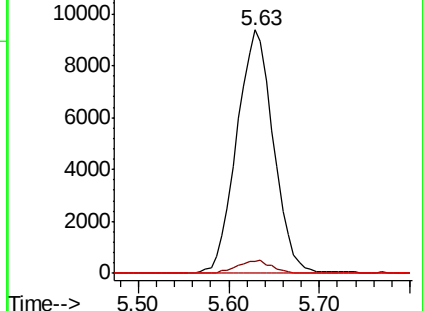
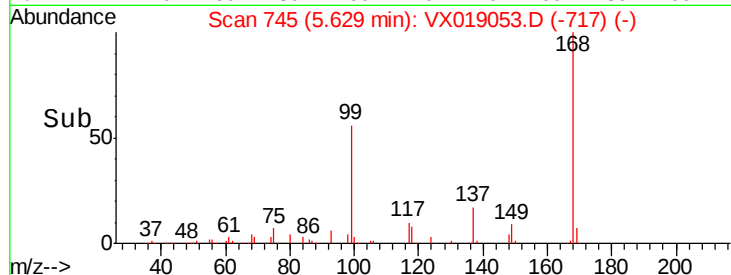
121 0.0 25.0 37.6#



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: 51.305 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019053.D

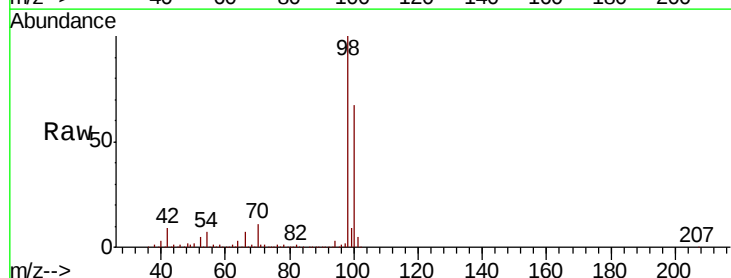
Acq: 23 Oct 2020 02:04

Tgt Ion: 98 Resp: 571354

Ion Ratio Lower Upper

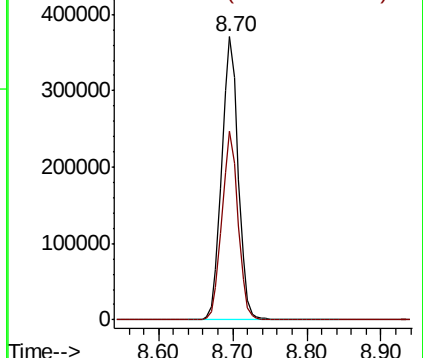
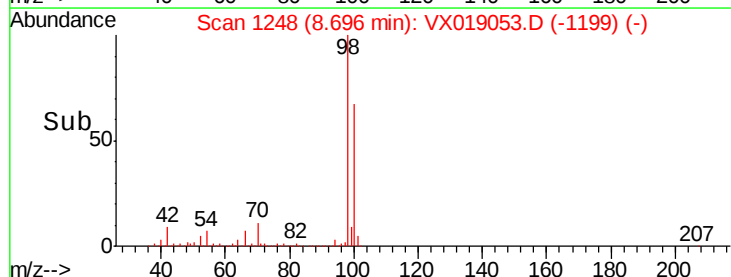
98 100

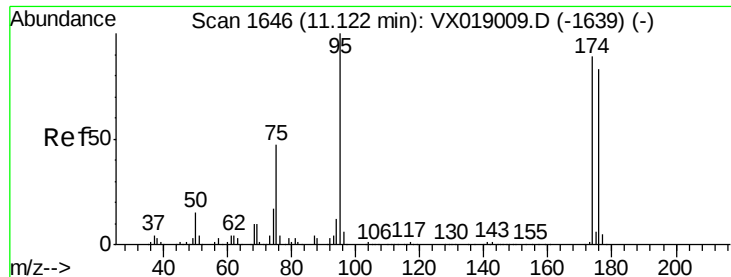
100 65.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

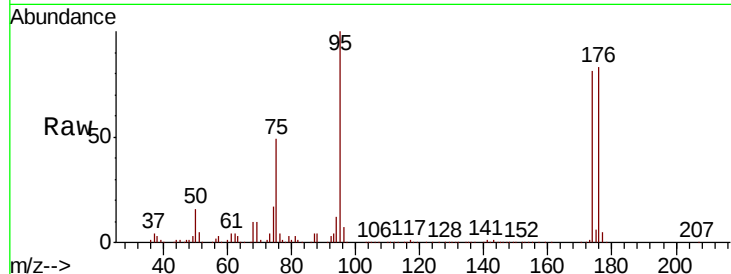




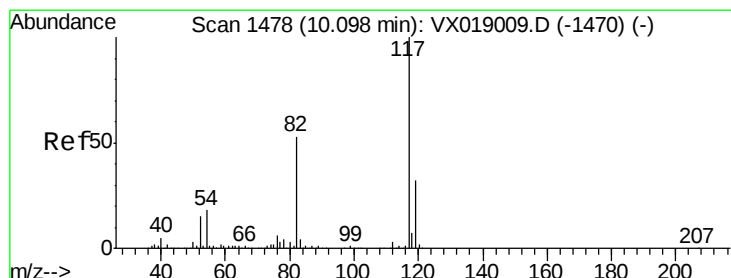
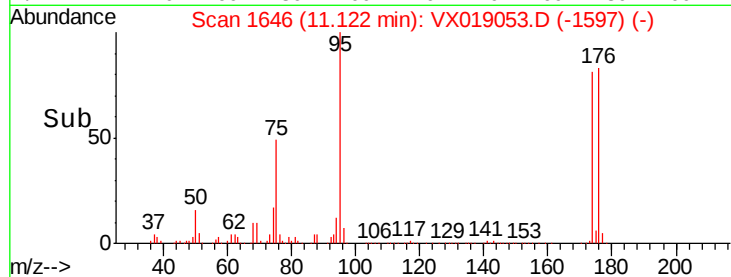
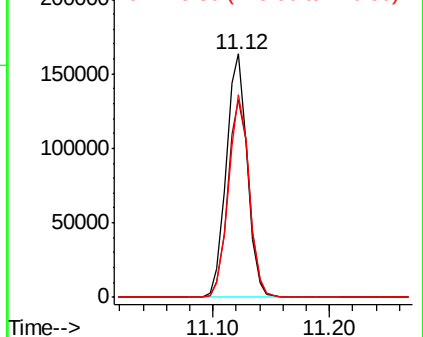
#62
4-Bromofluorobenzene
Concen: 51.536 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019053.D
Acq: 23 Oct 2020 02:04

Instrument :
MSVOA_X
ClientSampleId :
201021001-10-TRIP-BLANK

Tot Ion: 95 Resp: 204148
Ion Ratio Lower Upper
95 100
174 83.0 0.0 167.6
176 81.8 0.0 165.2

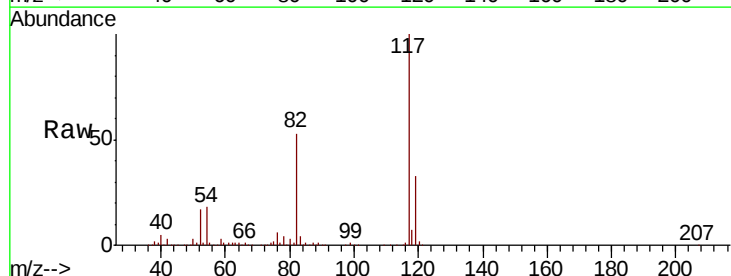


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

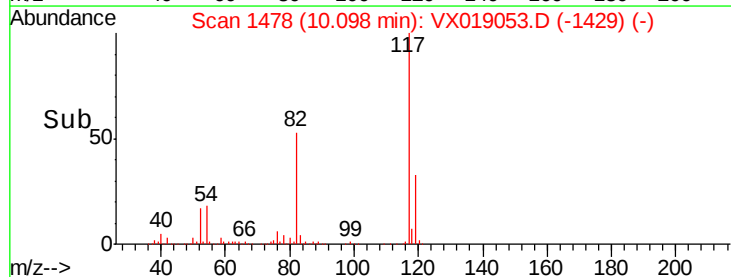
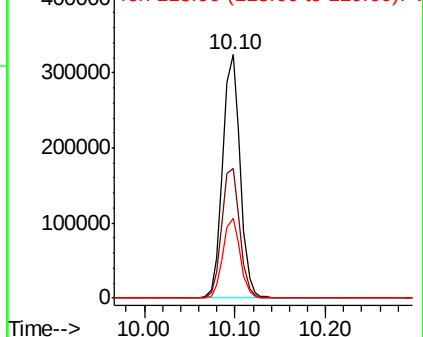


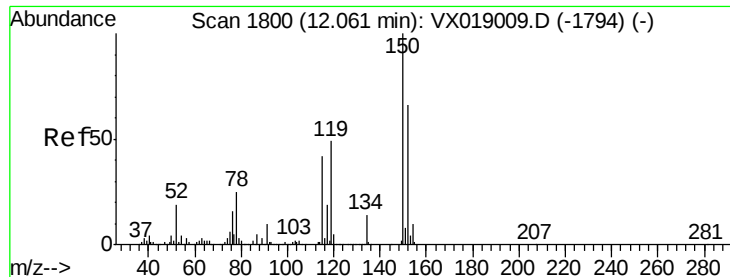
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019053.D
Acq: 23 Oct 2020 02:04

Tgt Ion: 117 Resp: 437121
Ion Ratio Lower Upper
117 100
82 53.2 42.4 63.6
119 32.8 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: VX019053.D

Acq: 23 Oct 2020 02:04

Instrument :

MSVOA_X

ClientSampleId :

201021001-10-TRIP-BLANK

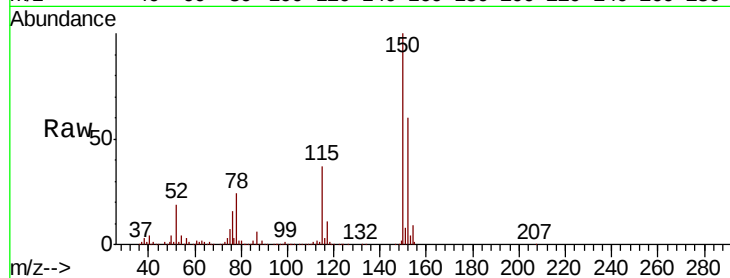
Tot Ion:152 Resp: 224125

Ion Ratio Lower Upper

152 100

115 58.0 40.8 122.5

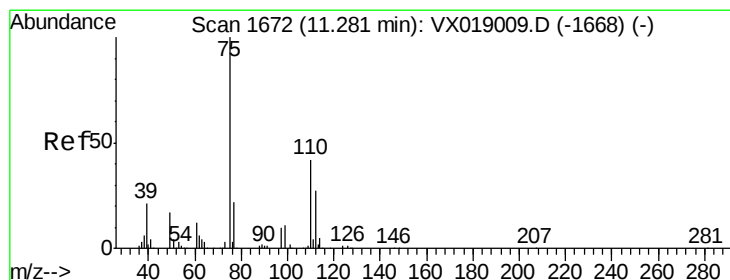
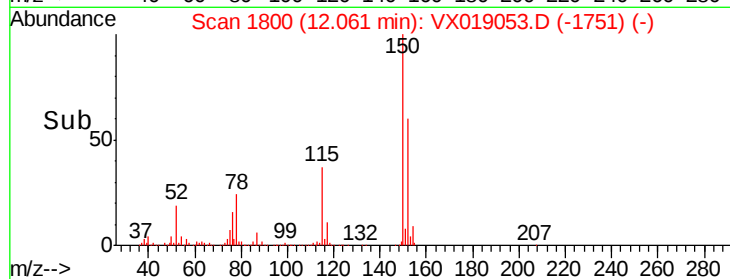
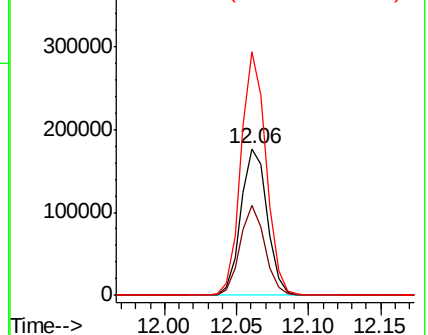
150 159.2 0.0 345.6



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: 22.773 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019053.D

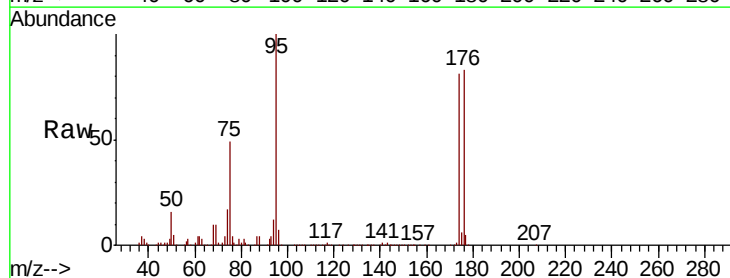
Acq: 23 Oct 2020 02:04

Tgt Ion: 75 Resp: 102016

Ion Ratio Lower Upper

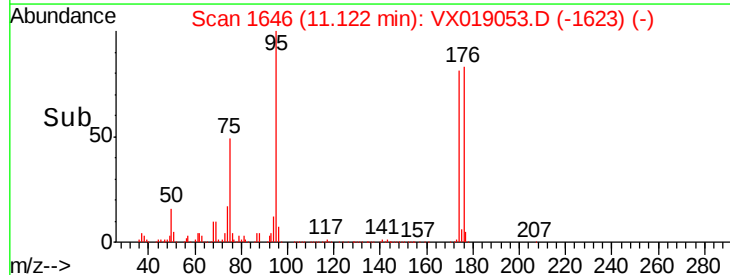
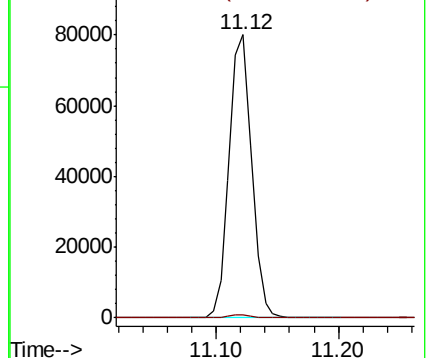
75 100

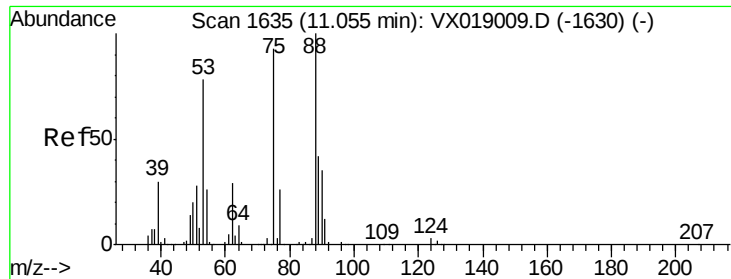
77 1.1 20.7 62.1#



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: 58.021 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019053.D
 Acq: 23 Oct 2020 02:04

Instrument :
 MSVOA_X
 ClientSampleId :
 201021001-10-TRIP-BLANK

Tot Ion: 75 Resp: 102016
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 37.2 55.8#

