

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019051.D
 Acq On : 23 Oct 2020 01:20
 Operator : JC/SP
 Sample : L4417-22
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

Quant Time: Oct 23 08:38:53 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

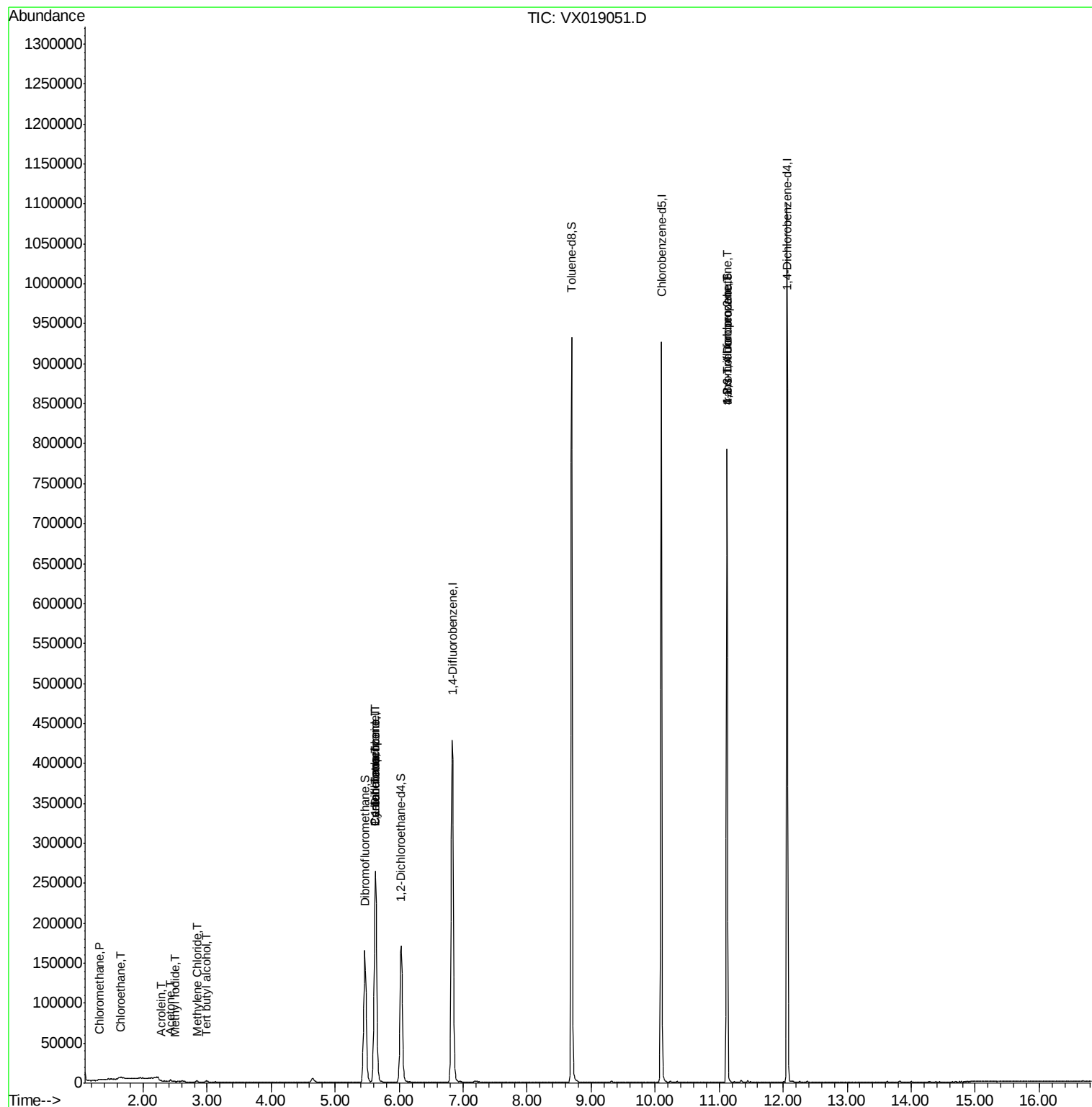
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	264224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	461940	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	439471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	219638	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	163793	51.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.50%	
35) Dibromofluoromethane	5.46	113	143366	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.04%	
50) Toluene-d8	8.70	98	570980	51.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.12	95	202966	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.31	50	568	0.217	ug/l #	83
5) Bromomethane	1.65	94	404	Below Cal	#	70
6) Chloroethane	1.66	64	21	1.281	ug/l #	43
10) Methyl Iodide	2.50	142	58	4.785	ug/l #	42
11) Tert butyl alcohol	2.99	59	915	1.427	ug/l #	73
13) Acrolein	2.29	56	123	14.106	ug/l #	16
16) Acetone	2.43	43	2529	2.346	ug/l	93
20) Methylene Chloride	2.84	84	1019	0.340	ug/l #	90
31) Cyclohexane	5.63	56	5007	1.351	ug/l #	12
36) 1,1-Dichloropropene	5.62	75	19864	4.792	ug/l #	48
38) Carbon Tetrachloride	5.63	117	26222	6.027	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	100805	22.963	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	100805	58.504	ug/l #	15

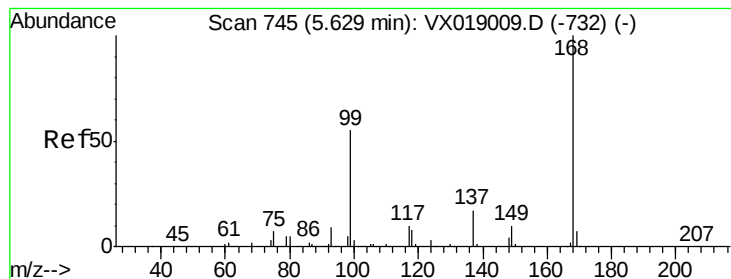
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102220\
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MSVOA_X
ClientSampled :
FIELD-BLANK

Quant Time: Oct 23 08:38:53 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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019051.D

Acq: 23 Oct 2020 01:20

Instrument :

MSVOA_X

ClientSampled :

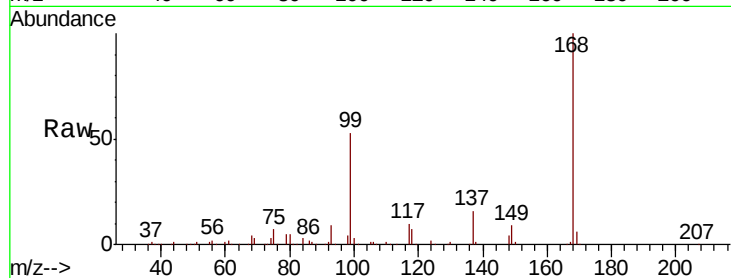
FIELD-BLANK

Tot Ion:168 Resp: 264224

Ion Ratio Lower Upper

168 100

99 53.4 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

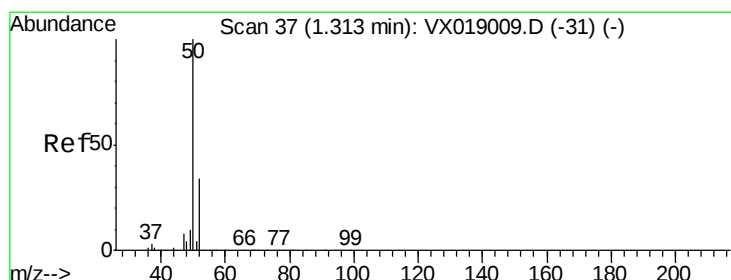
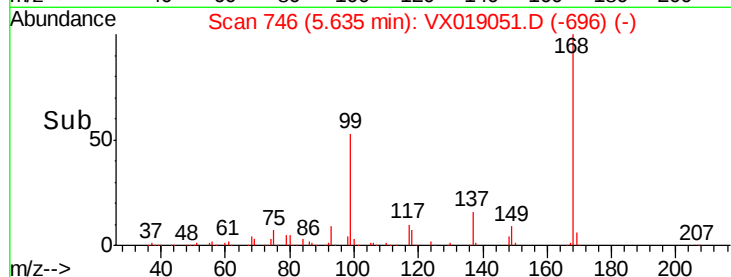
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019051.D

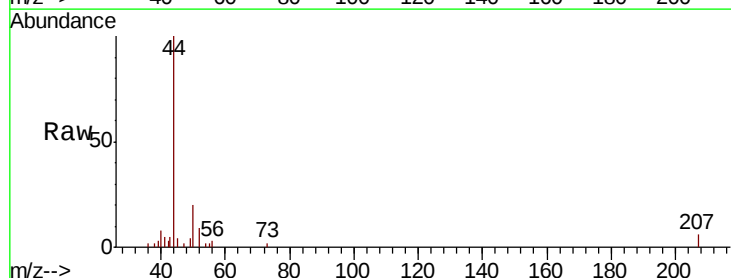
Acq: 23 Oct 2020 01:20

Tgt Ion: 50 Resp: 568

Ion Ratio Lower Upper

50 100

52 43.5 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

600

500

400

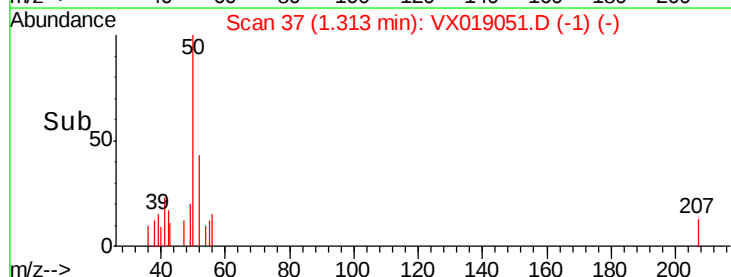
300

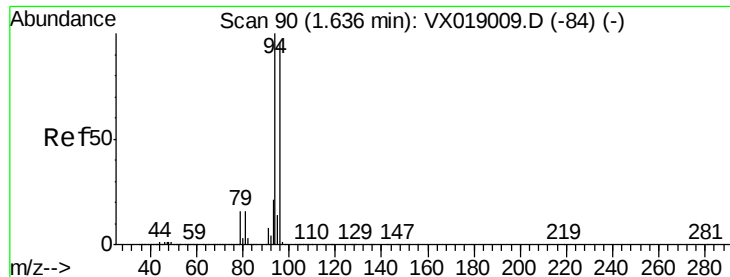
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX019051.D

Acq: 23 Oct 2020 01:20

Instrument :

MSVOA_X

ClientSampleId :

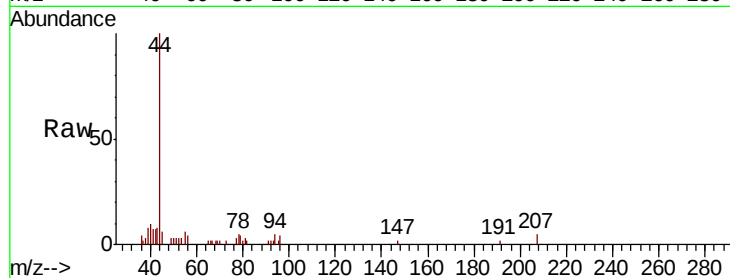
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Tot Ion: 94 Resp: 404

Ion Ratio Lower Upper

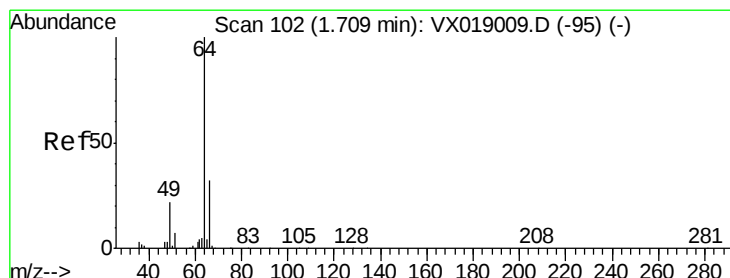
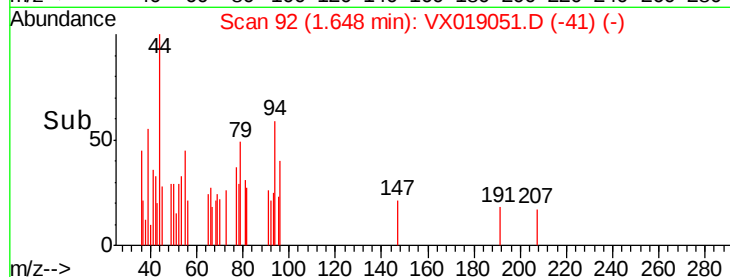
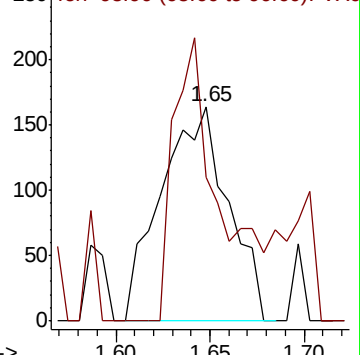
94 100

96 67.1 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: 1.281 ug/l

RT: 1.66 min Scan# 94

Delta R.T. -0.05 min

Lab File: VX019051.D

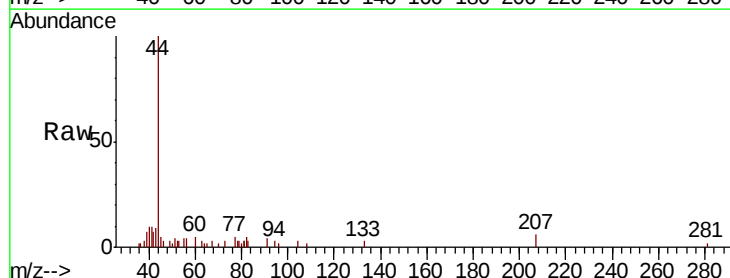
Acq: 23 Oct 2020 01:20

Tgt Ion: 64 Resp: 21

Ion Ratio Lower Upper

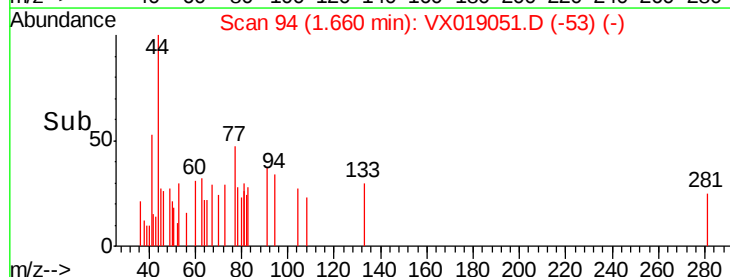
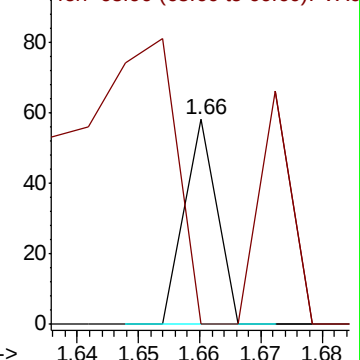
64 100

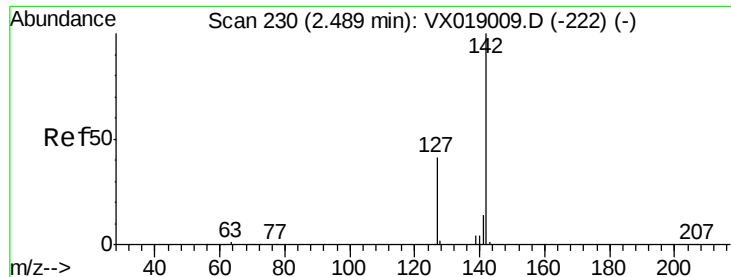
66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

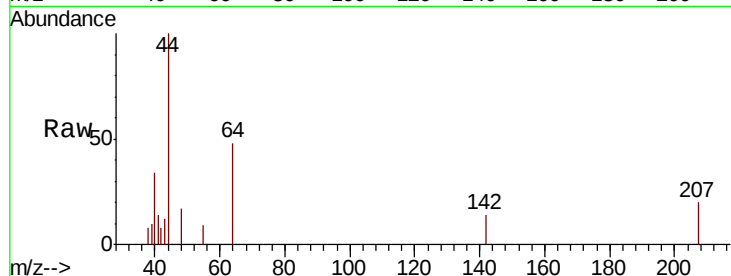




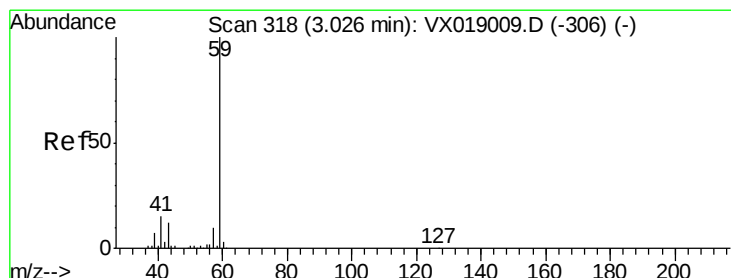
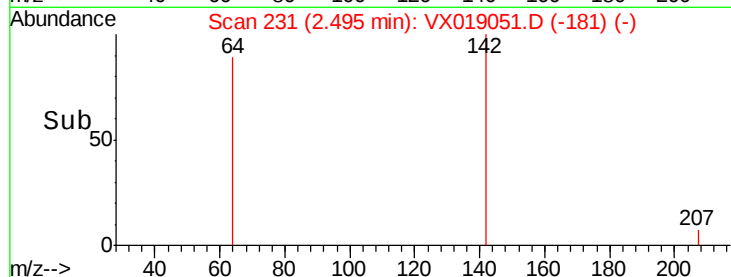
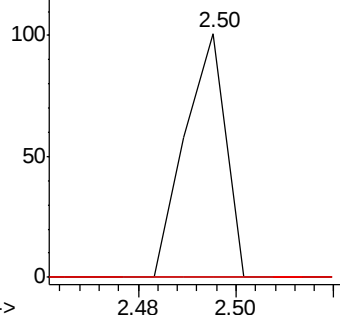
#10
Methyl Iodide
Concen: 4.785 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX019051.D
Acq: 23 Oct 2020 01:20

Instrument :
MSVOA_X
ClientSampled :
FIELD-BLANK

Tot Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 33.6 50.4#
141 0.0 11.2 16.8#

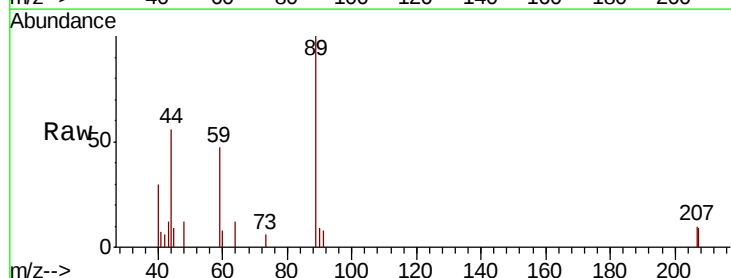


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

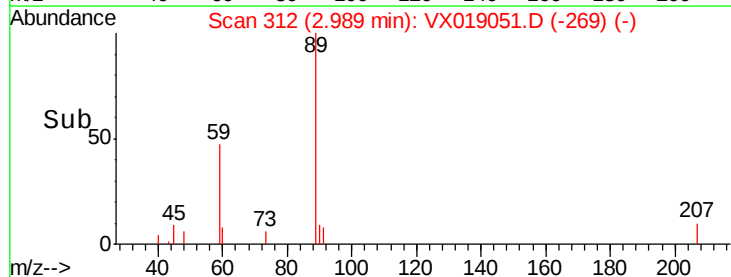
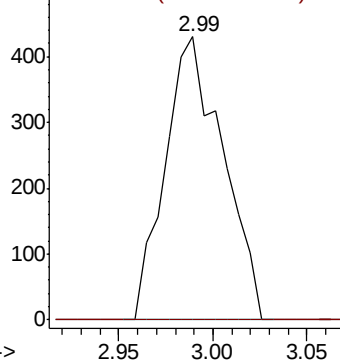


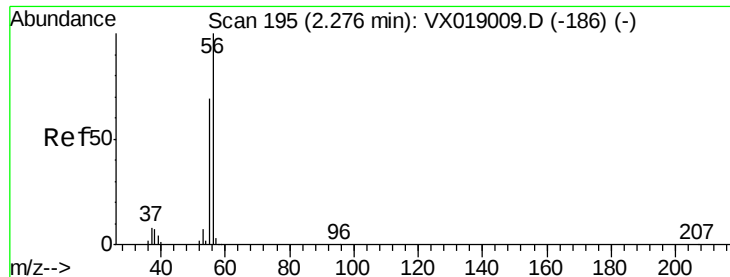
#11
Tert butyl alcohol
Concen: 1.427 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.04 min
Lab File: VX019051.D
Acq: 23 Oct 2020 01:20

Tgt Ion: 59 Resp: 915
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: 14.106 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.01 min

Lab File: VX019051.D

Acq: 23 Oct 2020 01:20

Instrument :

MSVOA_X

ClientSampled :

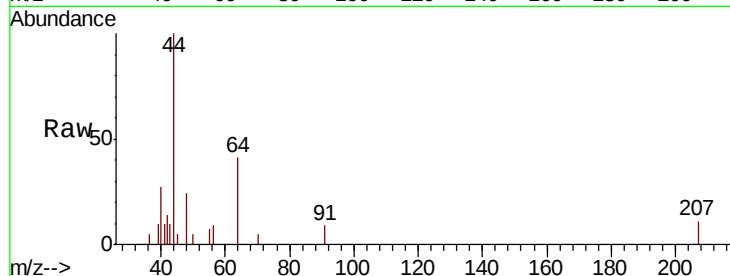
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Tot Ion: 56 Resp: 123

Ion Ratio Lower Upper

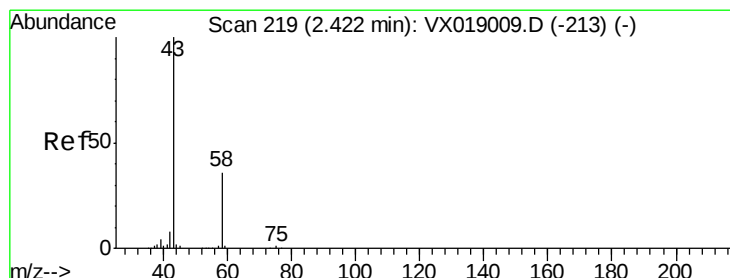
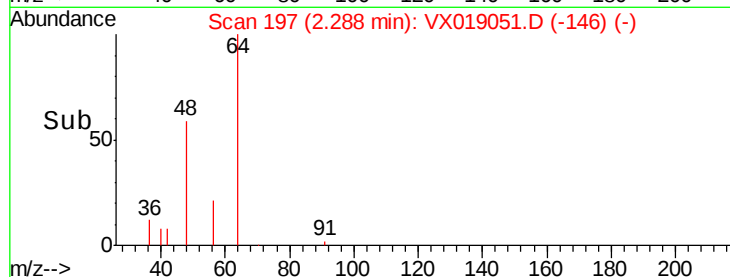
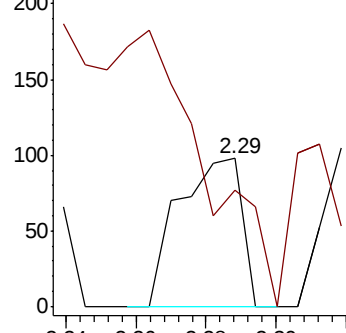
56 100

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



#16

Acetone

Concen: 2.346 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019051.D

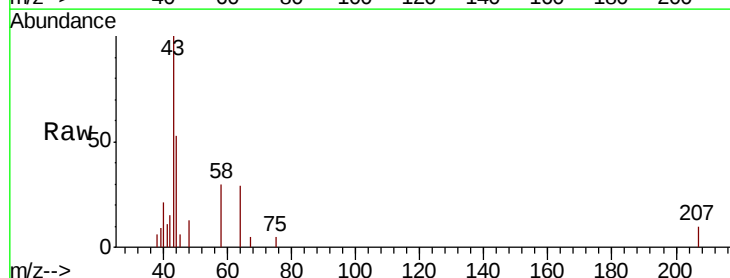
Acq: 23 Oct 2020 01:20

Tgt Ion: 43 Resp: 2529

Ion Ratio Lower Upper

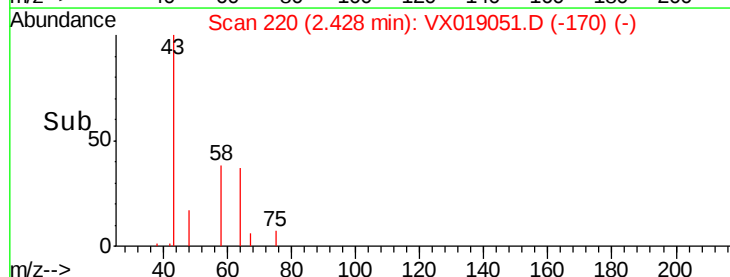
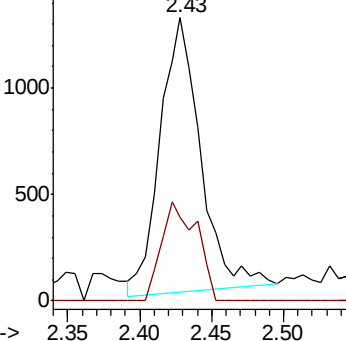
43 100

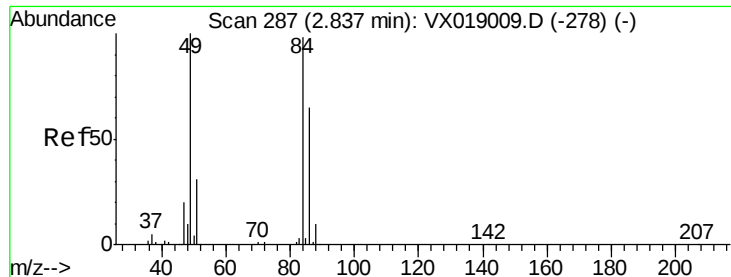
58 31.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methvlene Chloride

Concen: 0.340 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX019051.D

Acq: 23 Oct 2020 01:20

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

Tot Ion: 84 Resp: 1019

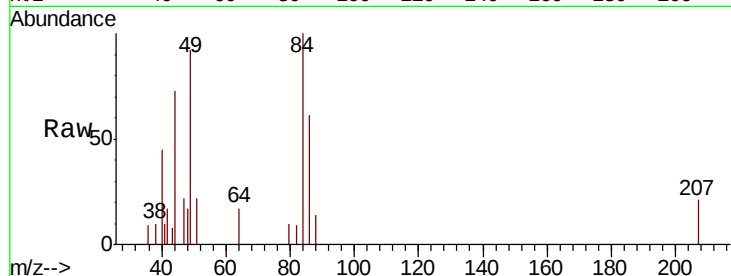
Ion Ratio Lower Upper

84 100

49 92.4 81.6 122.4

51 21.9 25.6 38.4#

86 60.6 53.3 79.9

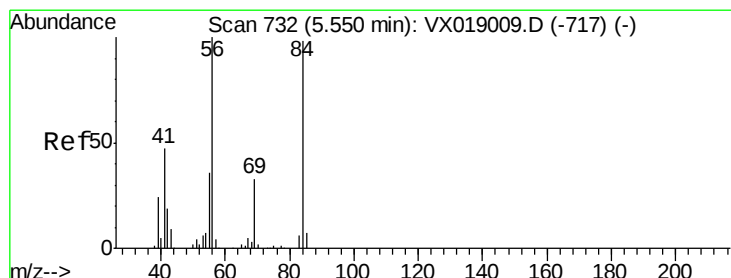
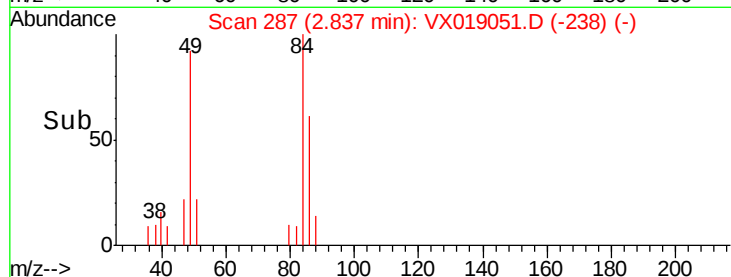
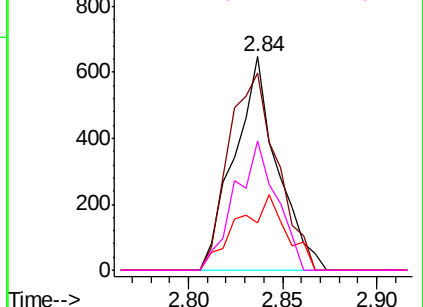


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#31

Cyclohexane

Concen: 1.351 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019051.D

Acq: 23 Oct 2020 01:20

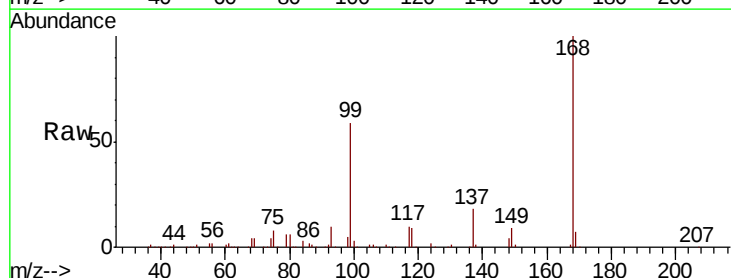
Tgt Ion: 56 Resp: 5007

Ion Ratio Lower Upper

56 100

69 161.1 26.2 39.2#

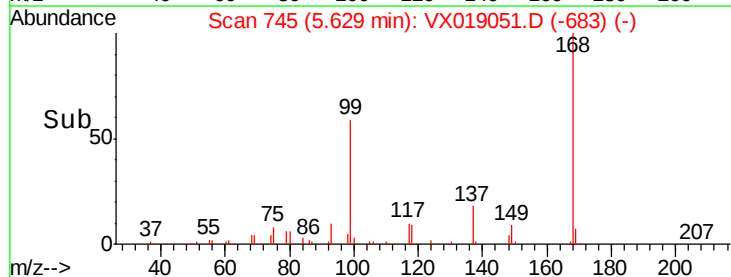
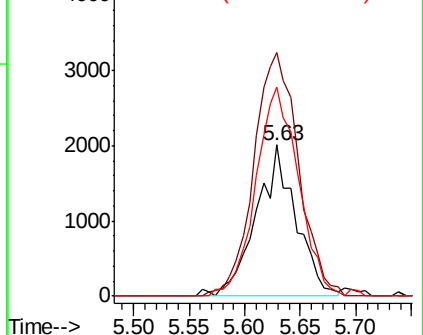
84 138.1 78.3 117.5#

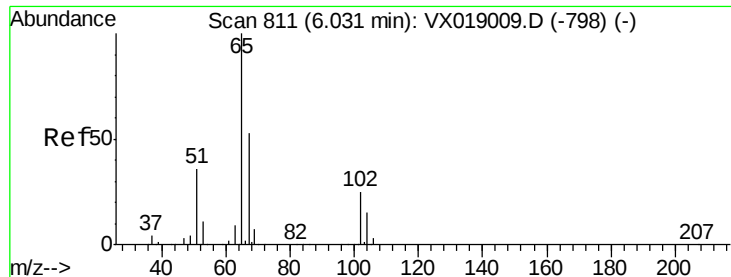


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.752 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019051.D

Acq: 23 Oct 2020 01:20

Instrument :

MSVOA_X

ClientSampleId :

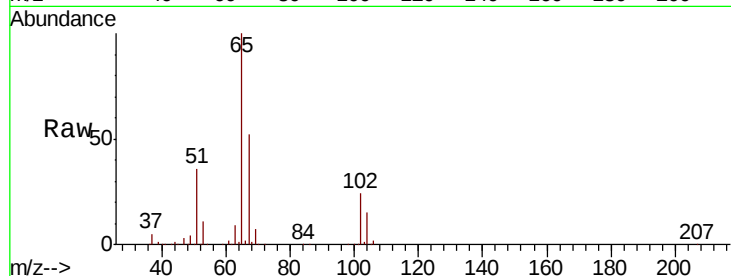
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Tot Ion: 65 Resp: 163793

Ion Ratio Lower Upper

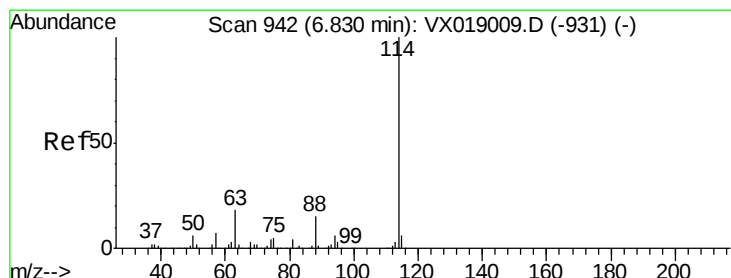
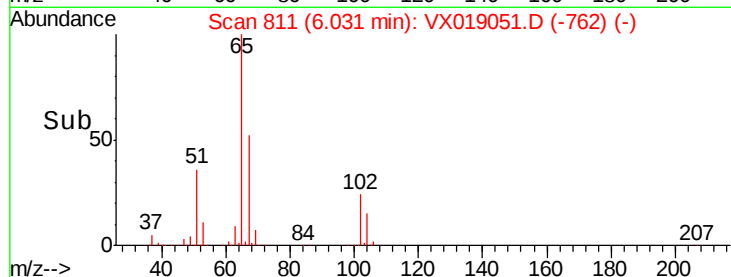
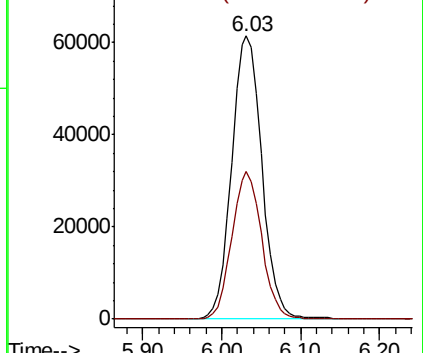
65 100

67 51.4 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: VX019051.D

Acq: 23 Oct 2020 01:20

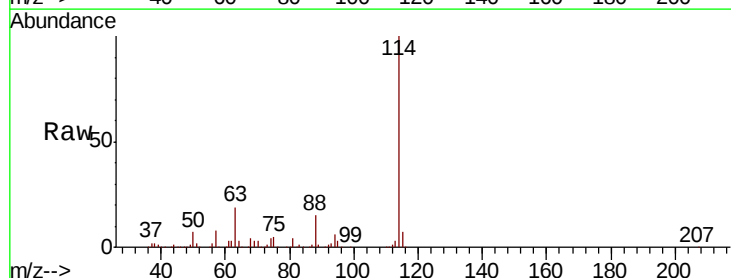
Tgt Ion: 114 Resp: 461940

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.8

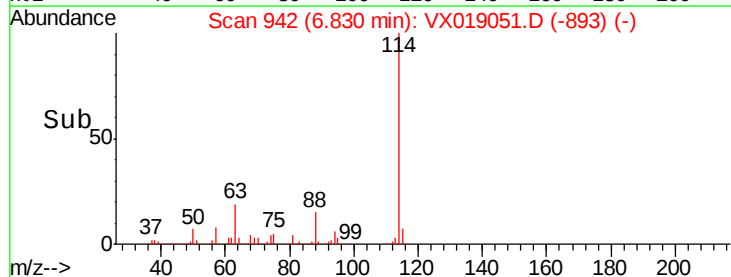
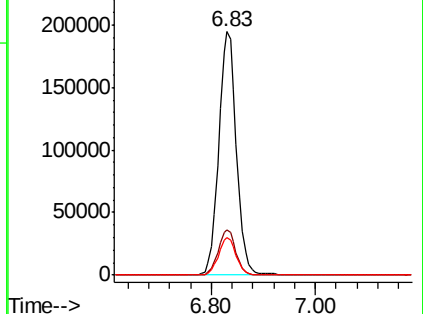
88 15.5 0.0 30.2

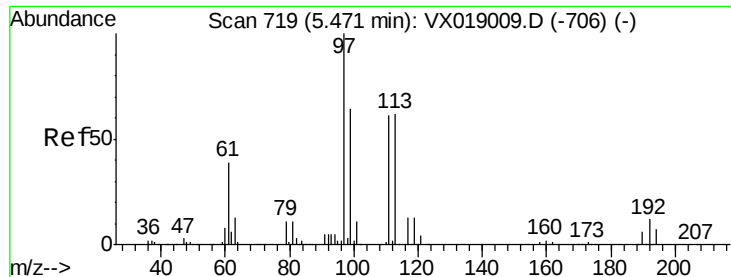


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

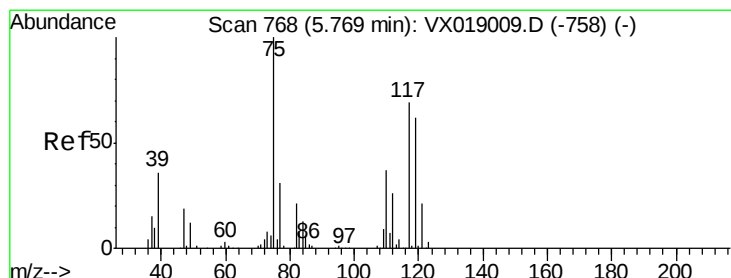
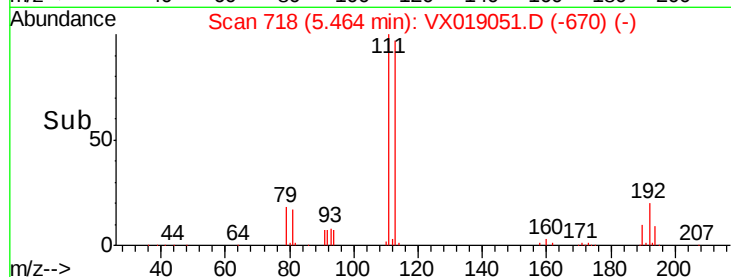
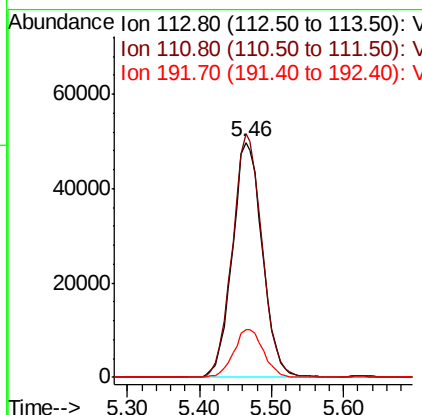
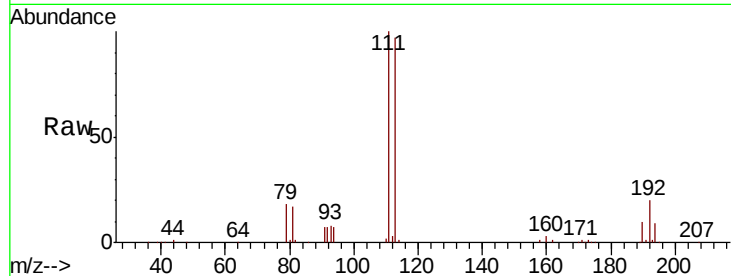




#35
 Dibromofluoromethane
 Concen: 49.019 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX019051.D
 Acq: 23 Oct 2020 01:20

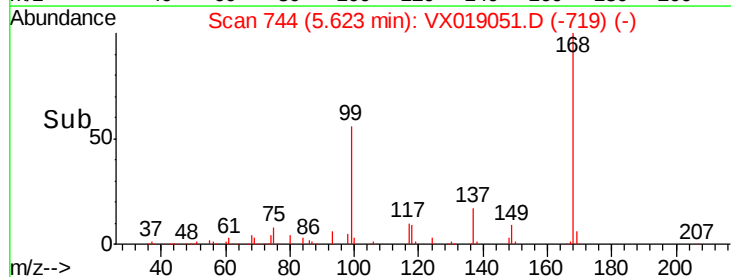
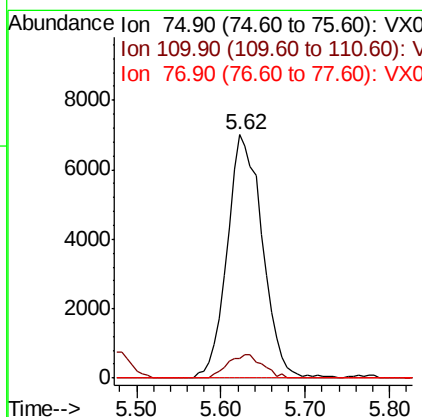
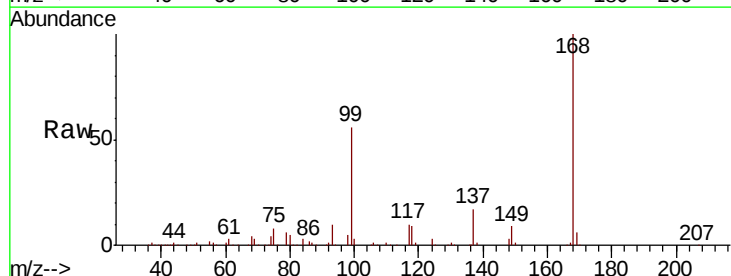
Instrument :
 MSVOA_X
 ClientSampleId :
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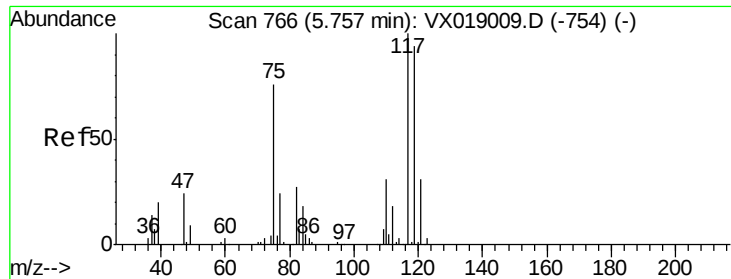
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.5	122.3
192	20.4	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 4.792 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX019051.D
 Acq: 23 Oct 2020 01:20

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

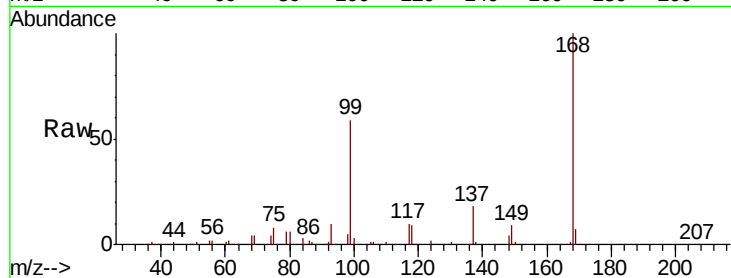




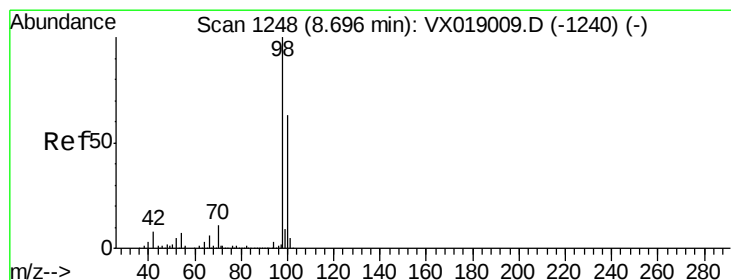
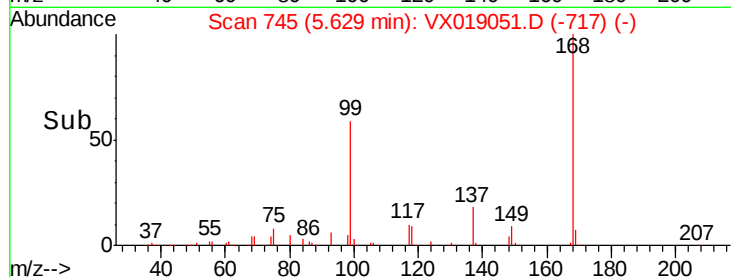
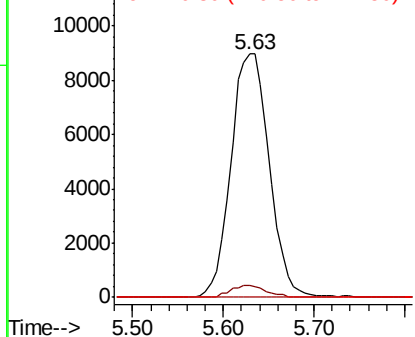
#38
Carbon Tetrachloride
Concen: 6.027 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX019051.D
Acq: 23 Oct 2020 01:20

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion:117 Resp: 26222
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.0#
121 0.0 25.0 37.6#

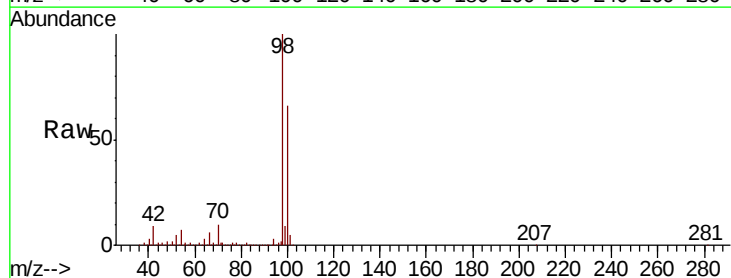


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

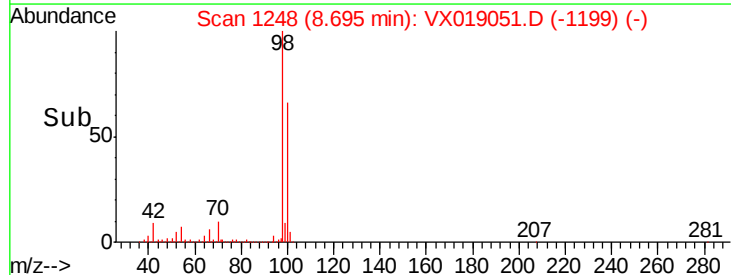
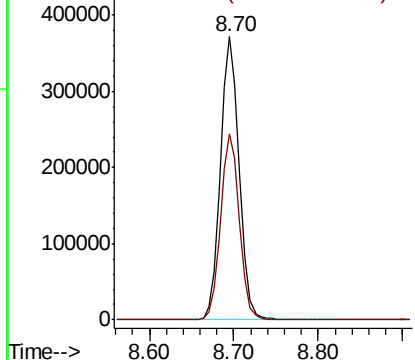


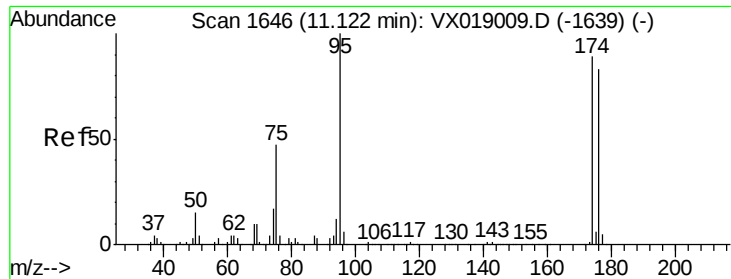
#50
Toluene-d8
Concen: 51.160 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019051.D
Acq: 23 Oct 2020 01:20

Tgt Ion: 98 Resp: 570980
Ion Ratio Lower Upper
98 100
100 65.8 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: 51.126 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019051.D

Acq: 23 Oct 2020 01:20

Instrument :

MSVOA_X

ClientSampled :

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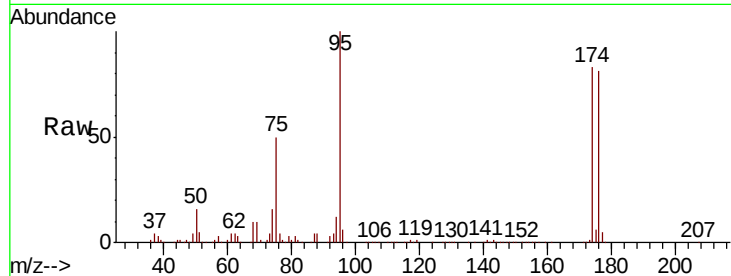
Tot Ion: 95 Resp: 202966

Ion Ratio Lower Upper

95 100

174 82.0 0.0 167.6

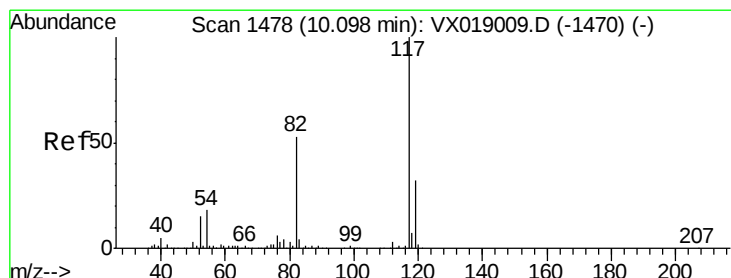
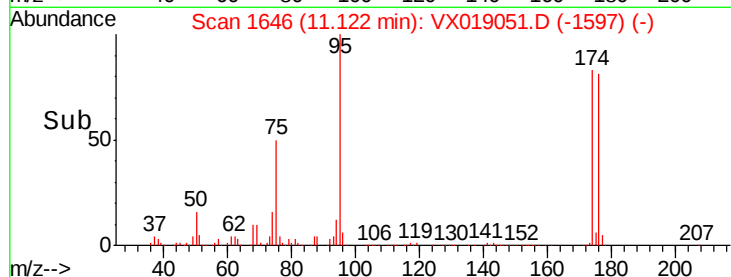
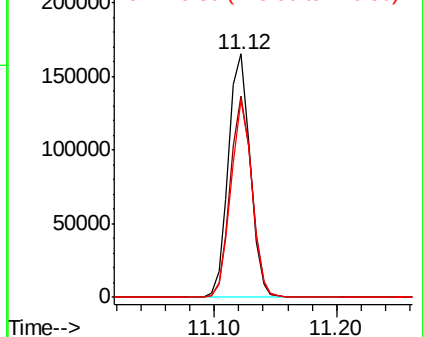
176 78.4 0.0 165.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019051.D

Acq: 23 Oct 2020 01:20

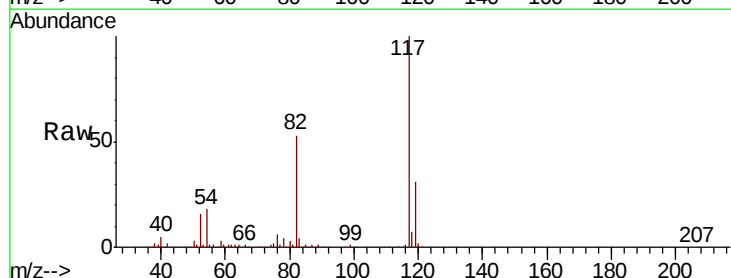
Tgt Ion: 117 Resp: 439471

Ion Ratio Lower Upper

117 100

82 52.8 42.4 63.6

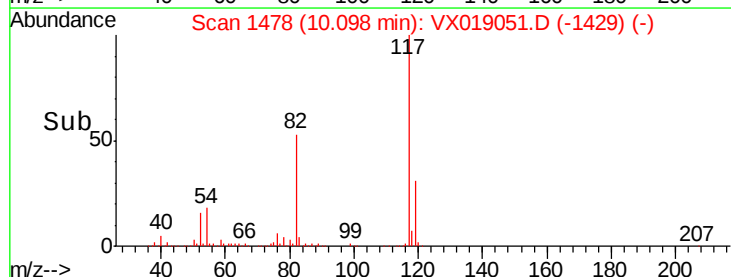
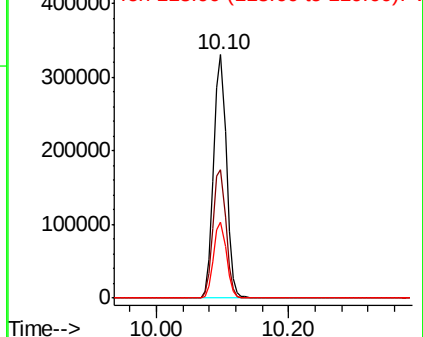
119 31.2 25.6 38.4

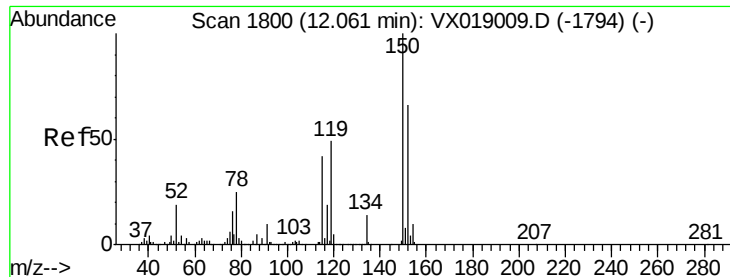


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019051.D

Acq: 23 Oct 2020 01:20

Instrument :

MSVOA_X

ClientSampleId :

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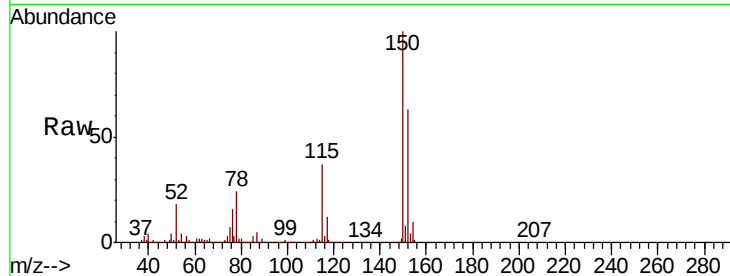
Tot Ion:152 Resp: 219638

Ion Ratio Lower Upper

152 100

115 57.5 40.8 122.5

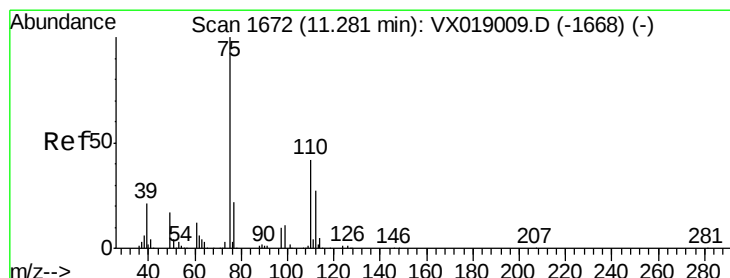
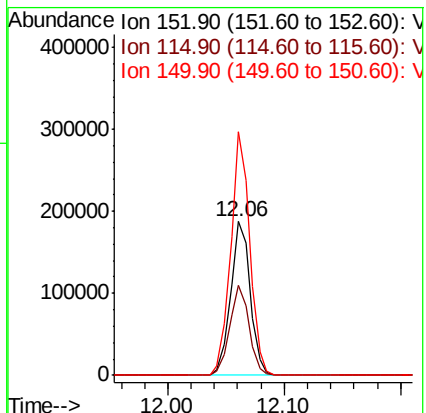
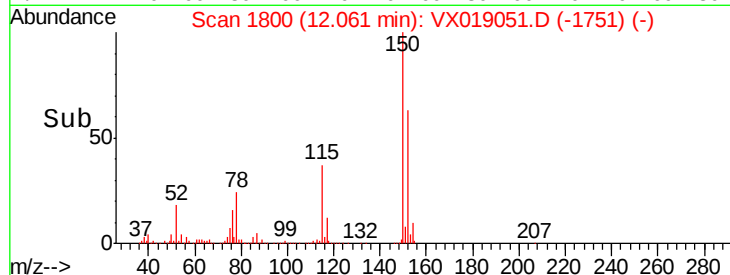
150 154.6 0.0 345.6



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: 22.963 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019051.D

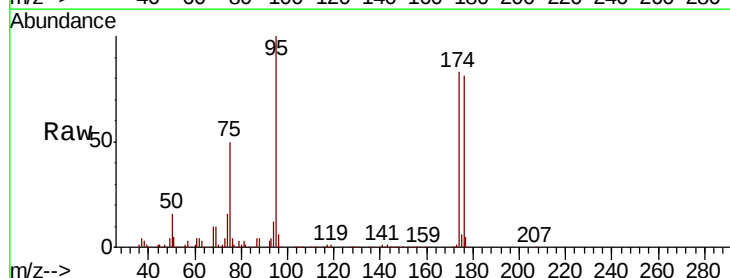
Acq: 23 Oct 2020 01:20

Tgt Ion: 75 Resp: 100805

Ion Ratio Lower Upper

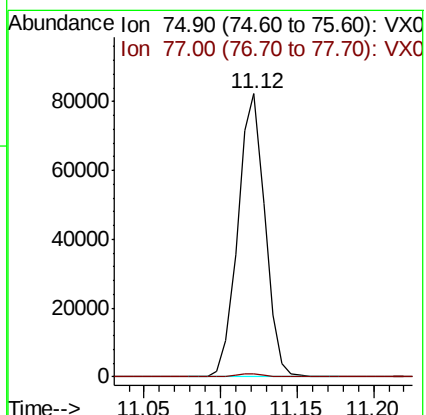
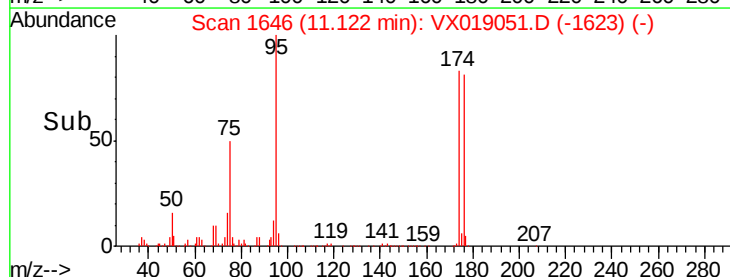
75 100

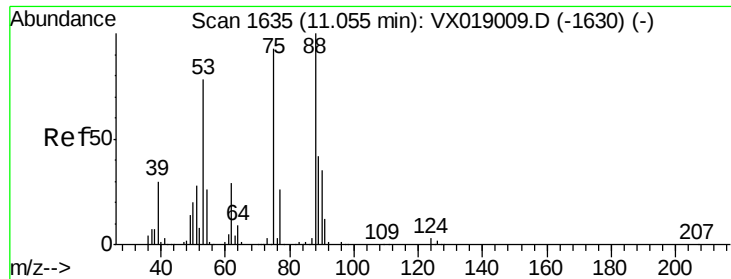
77 1.1 20.7 62.1#



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: 58.504 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019051.D

Acq: 23 Oct 2020 01:20

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion: 75 Resp: 100805

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#

