

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100720\
 Data File : VX018826.D
 Acq On : 07 Oct 2020 21:30
 Operator : JC/SP
 Sample : L4290-04
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 JLWX4

Quant Time: Oct 08 01:21:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 08 01:16:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	137837	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	137813	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	70680	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	31004	3.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.00%
7) Chloroethane-d5	1.70	69	30379	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.34	63	56987	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.56	46	124661	59.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.06%
24) Chloroform-d	5.14	84	89277	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	6.03	65	54484	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	6.04	84	158517	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	7.37	67	49520	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	8.70	98	141948	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
45) trans-1,3-Dichloropropene-	8.99	79	20400	3.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.60%
48) 2-Hexanone-d5	9.43	63	106174	59.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.94%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	43182	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	64762	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.31	50	1528	0.229	ug/L	85
6) Bromomethane	1.64	94	421	0.096	ug/L	75
8) Chloroethane	1.92	64	589	0.131	ug/L	98
13) Acetone	2.45	43	38357	33.266	ug/L	94
14) Carbon disulfide	2.56	76	2797	0.130	ug/L #	85
15) Methyl Acetate	2.76	43	2308	0.814	ug/L	93
21) 2-Butanone	4.67	43	24129	14.375	ug/L	90
25) Chloroform	5.17	83	2051	0.137	ug/L	84
33) Benzene	6.12	78	4008	0.139	ug/L	100
34) Trichloroethene	7.19	95	1510	0.177	ug/L	87
35) Methylcyclohexane	7.37	83	13703	1.135	ug/L #	20
38) Bromodichloromethane	7.87	83	4753	0.412	ug/L #	92
40) 4-Methyl-2-pentanone	8.62	43	3402	0.812	ug/L #	71
42) Toluene	8.77	91	5248	0.166	ug/L	98
49) Tetrachloroethene	9.32	164	53209	7.143	ug/L	94
50) 2-Hexanone	9.48	43	6622	2.177	ug/L #	79
51) Dibromochloromethane	9.57	129	15572	1.964	ug/L	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 08 01:16:58 2020
Response via : Initial Calibration

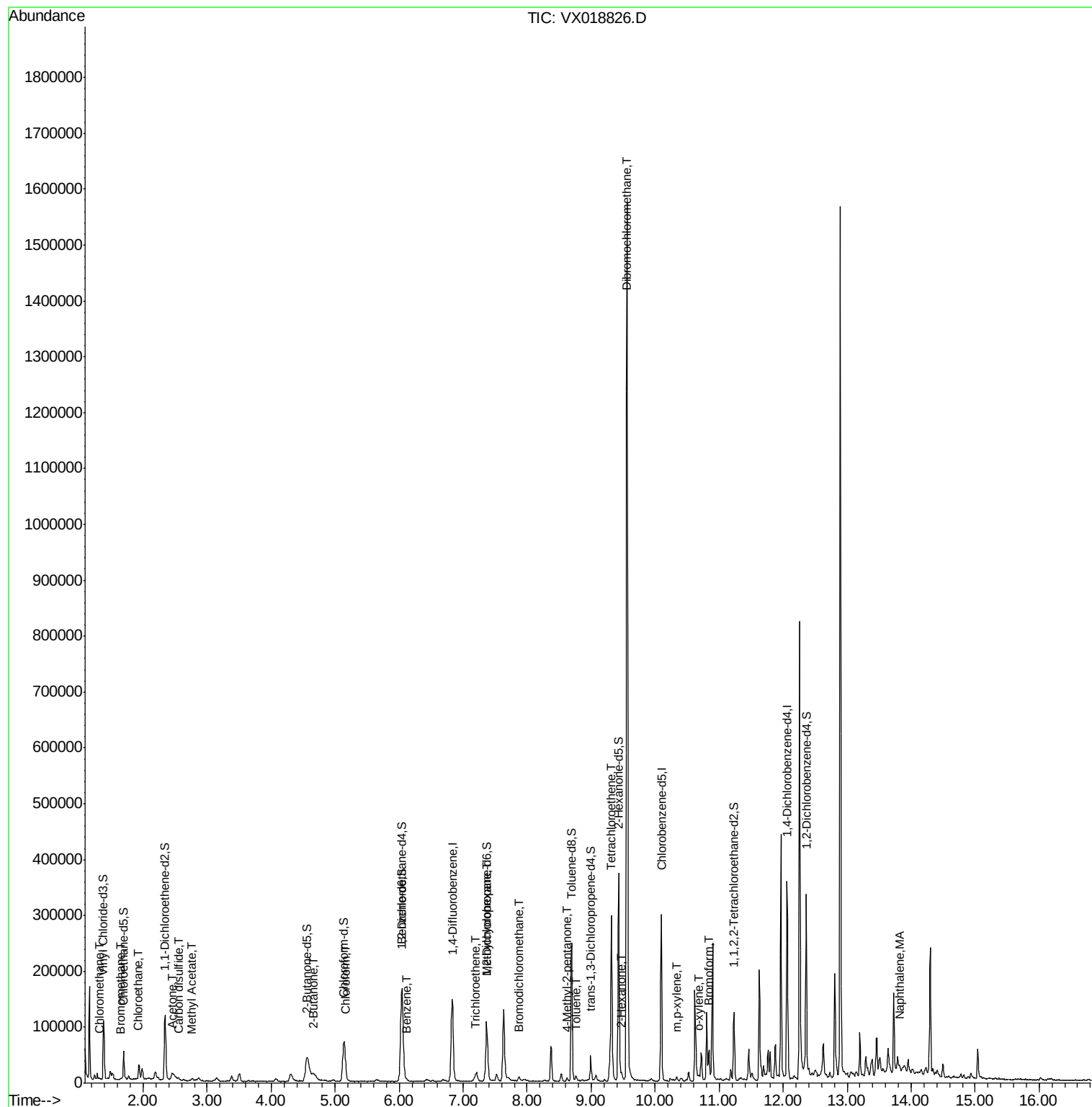
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) m,p-xylene	10.34	106	1213	0.088	ug/L	68
56) o-xylene	10.68	106	847	0.066	ug/L	88
62) Bromoform	10.84	173	18082	3.871	ug/L	97
70) Naphthalene	13.82	128	2874	0.160	ug/L #	61

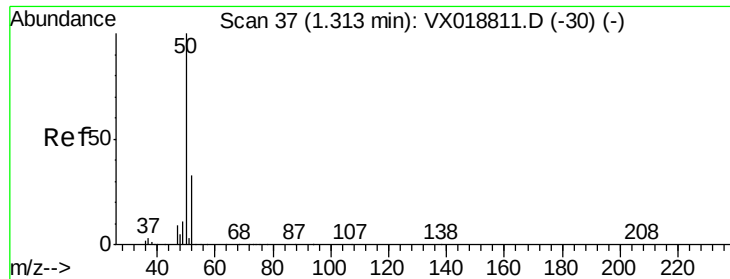
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.229 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018826.D

Acq: 07 Oct 2020 21:30

Instrument :

MSVOA_X

ClientSampled :

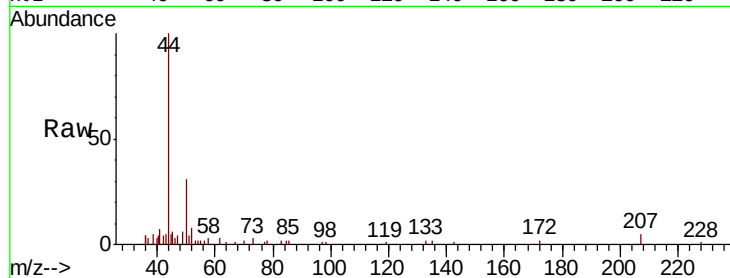
JLWX4

Tot Ion: 50 Resp: 1528

Ion Ratio Lower Upper

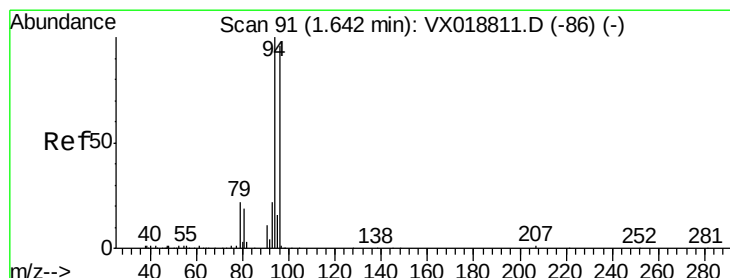
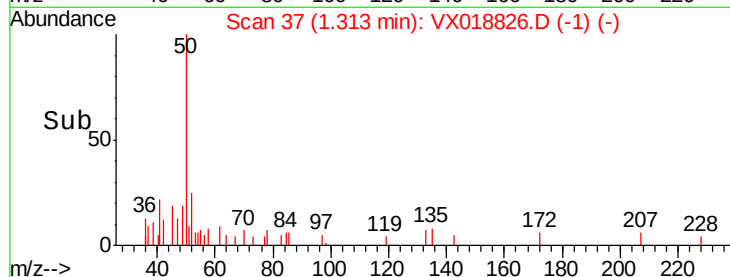
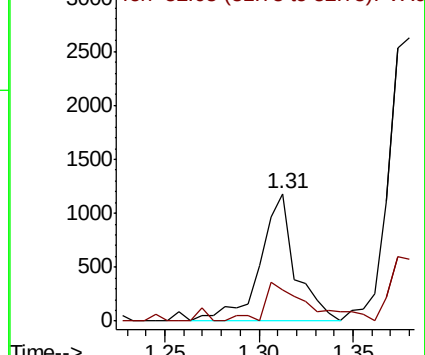
50 100

52 24.8 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0



#6

Bromomethane

Concen: 0.096 ug/L

RT: 1.64 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX018826.D

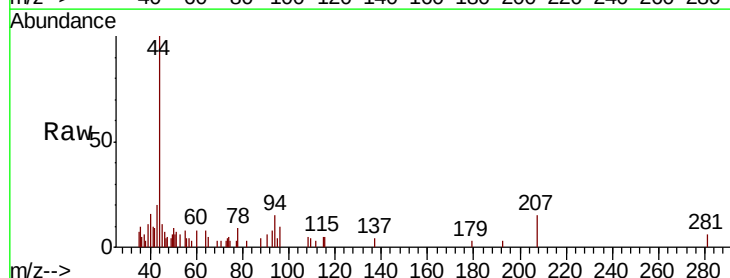
Acq: 07 Oct 2020 21:30

Tgt Ion: 94 Resp: 421

Ion Ratio Lower Upper

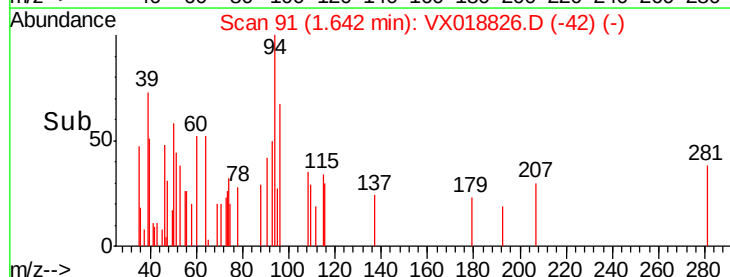
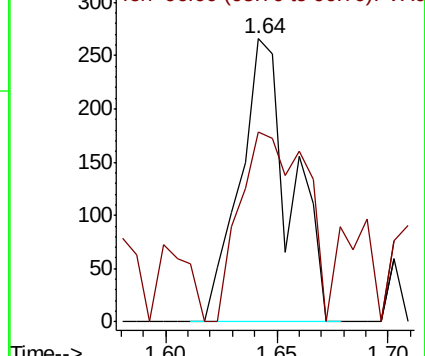
94 100

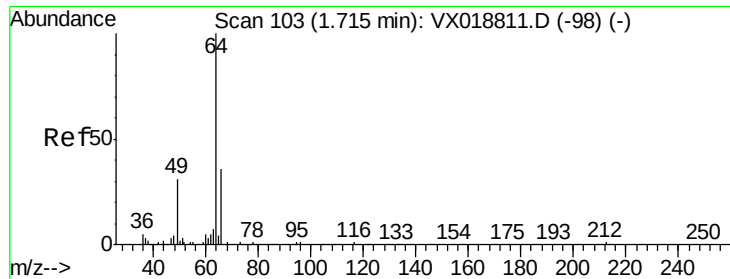
96 66.9 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#8

Chloroethane

Concen: 0.131 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.20 min

Lab File: VX018826.D

Acq: 07 Oct 2020 21:30

Instrument :

MSVOA_X

ClientSampleId :

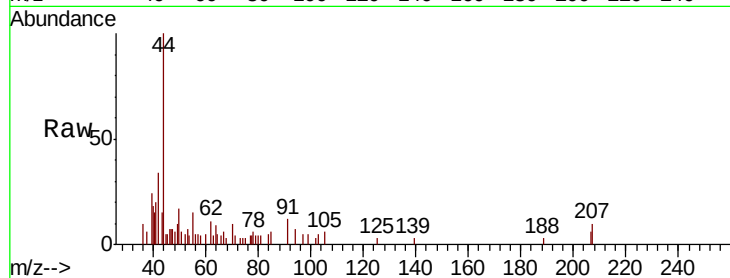
JLWX4

Tot Ion: 64 Resp: 589

Ion Ratio Lower Upper

64 100

66 29.6 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VX0

Ion 66.05 (65.75 to 66.75): VX0

250

200

150

100

50

0

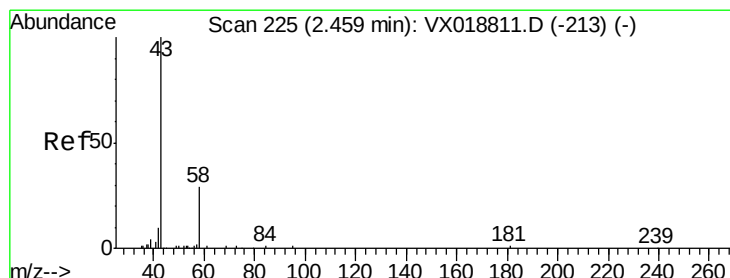
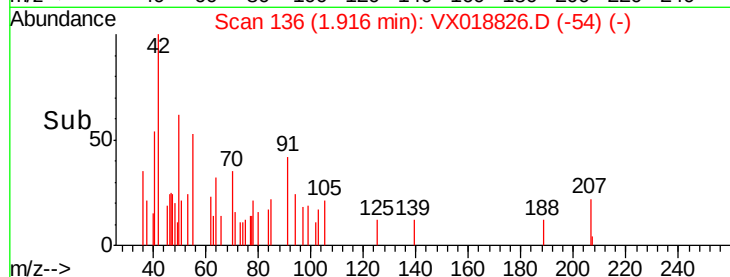
1.85

1.90

1.92

1.95

Time-->



#13

Acetone

Concen: 33.266 ug/L

RT: 2.45 min Scan# 224

Delta R.T. -0.01 min

Lab File: VX018826.D

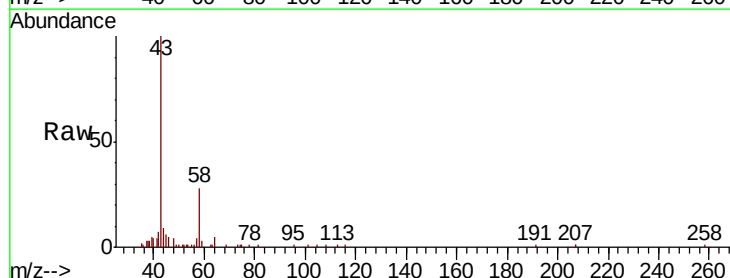
Acq: 07 Oct 2020 21:30

Tgt Ion: 43 Resp: 38357

Ion Ratio Lower Upper

43 100

58 31.2 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

12000

10000

8000

6000

4000

2000

0

2.30

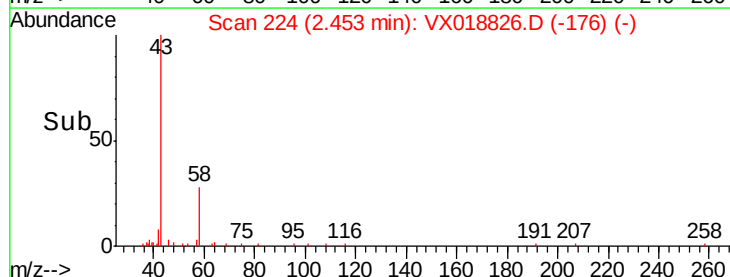
2.40

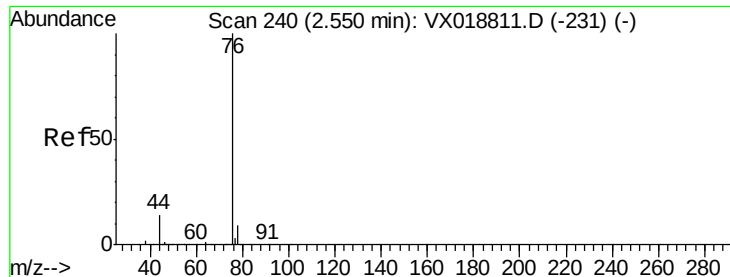
2.45

2.50

2.60

Time-->





#14

Carbon disulfide

Concen: 0.130 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018826.D

Acq: 07 Oct 2020 21:30

Instrument :

MSVOA_X

ClientSampleId :

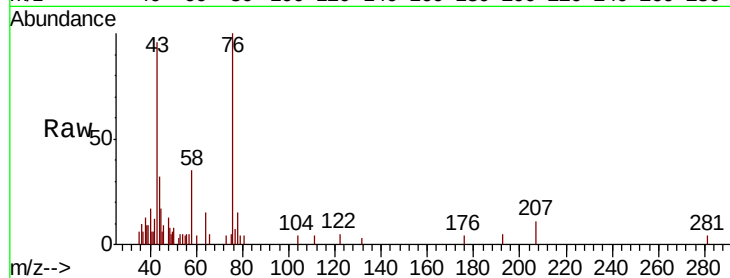
JLWX4

Tot Ion: 76 Resp: 2797

Ion Ratio Lower Upper

76 100

78 14.8 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

2.56

1500

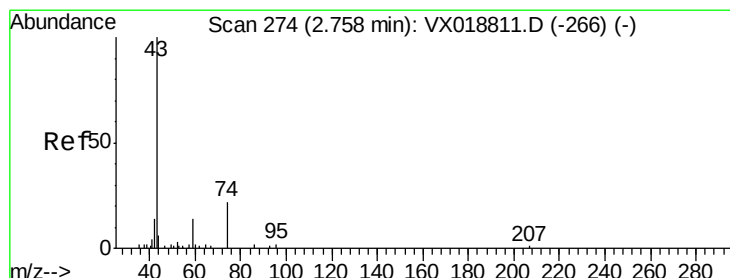
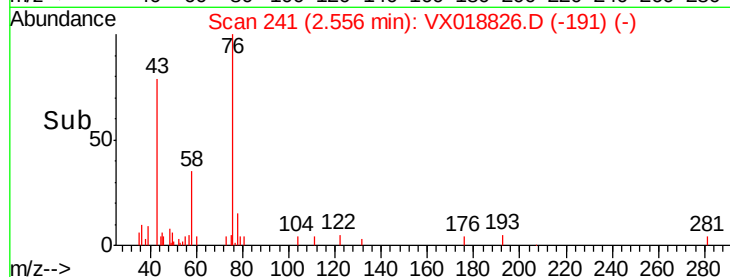
1000

500

0

2.50 2.55 2.60

Time-->



#15

Methyl Acetate

Concen: 0.814 ug/L

RT: 2.76 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX018826.D

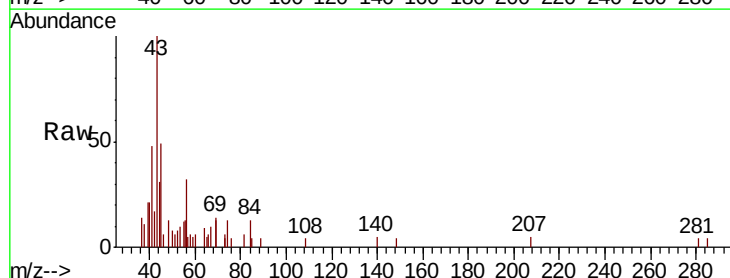
Acq: 07 Oct 2020 21:30

Tgt Ion: 43 Resp: 2308

Ion Ratio Lower Upper

43 100

74 23.7 21.9 32.9



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0

1500

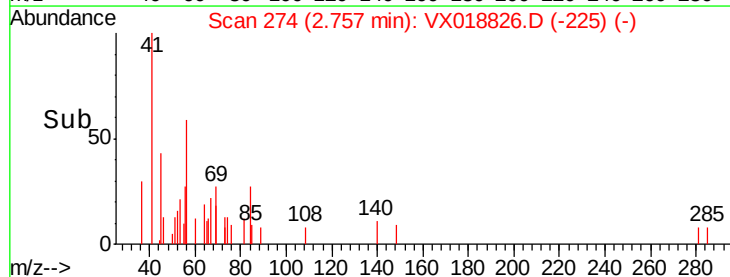
1000

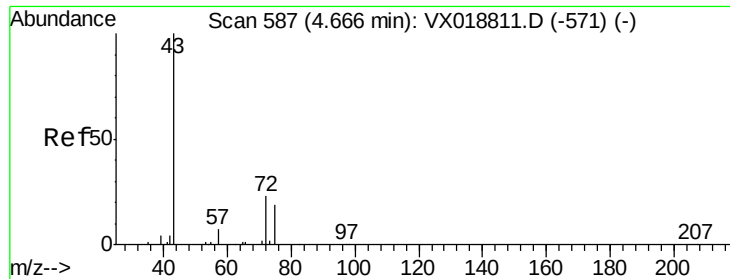
500

0

2.70 2.75 2.80

Time-->





#21

2-Butanone

Concen: 14.375 ug/L

RT: 4.67 min Scan# 588

Delta R.T. 0.01 min

Lab File: VX018826.D

Acq: 07 Oct 2020 21:30

Instrument :

MSVOA_X

ClientSampled :

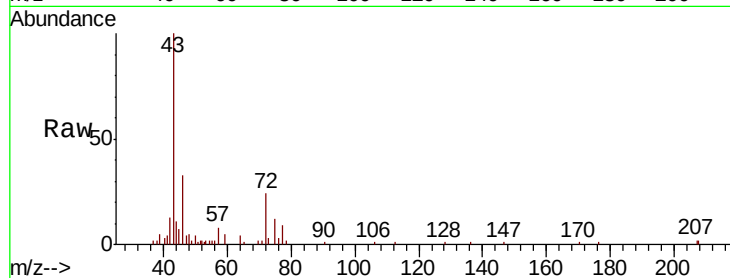
JLWX4

Tot Ion: 43 Resp: 24129

Ion Ratio Lower Upper

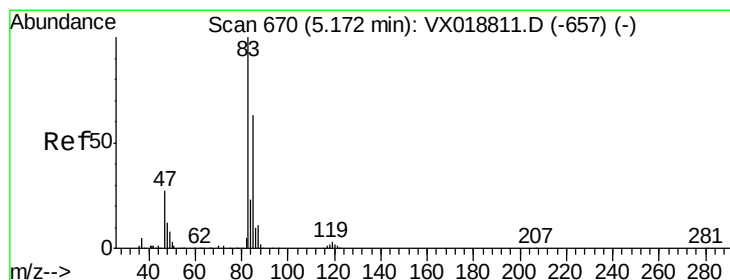
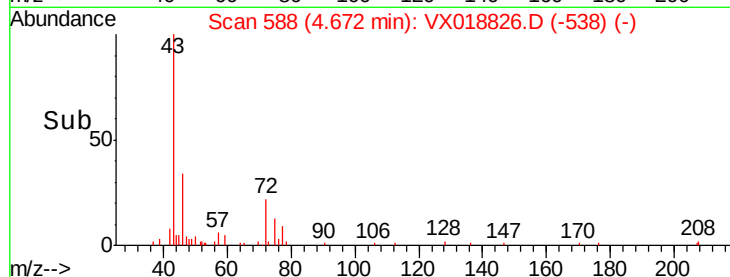
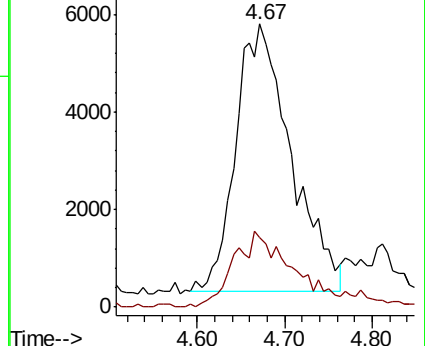
43 100

72 29.6 12.4 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#25

Chloroform

Concen: 0.137 ug/L

RT: 5.17 min Scan# 669

Delta R.T. -0.01 min

Lab File: VX018826.D

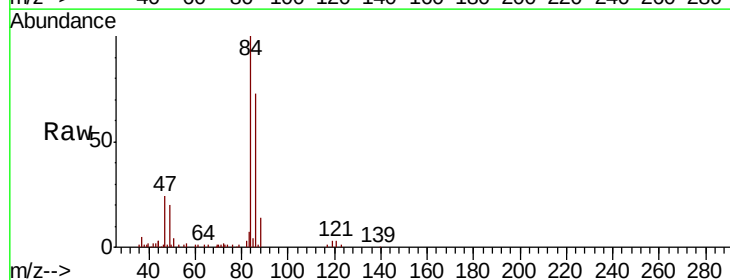
Acq: 07 Oct 2020 21:30

Tgt Ion: 83 Resp: 2051

Ion Ratio Lower Upper

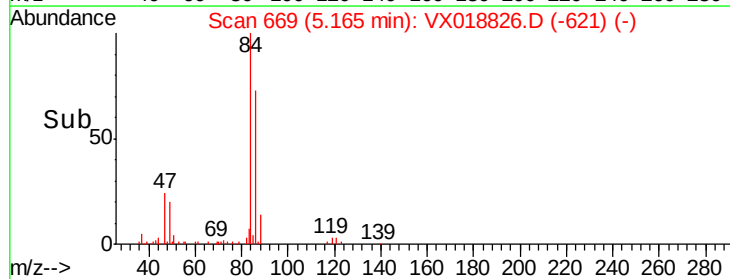
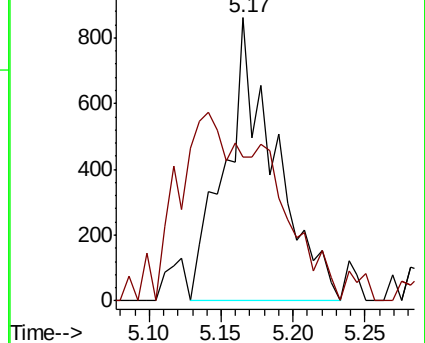
83 100

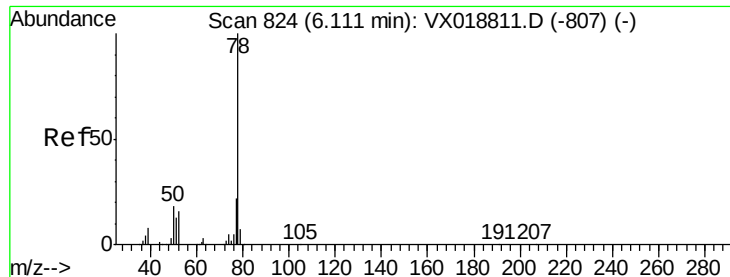
85 50.9 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0





#33

Benzene

Concen: 0.139 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX018826.D

Acq: 07 Oct 2020 21:30

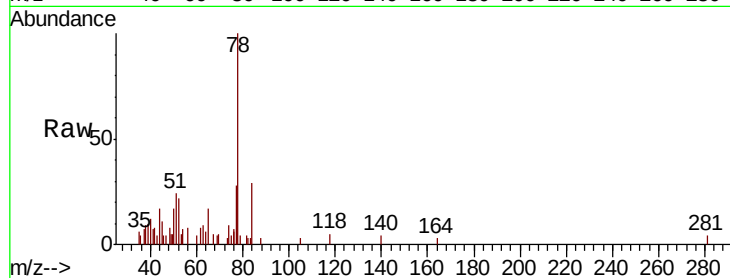
Instrument :

MSVOA_X

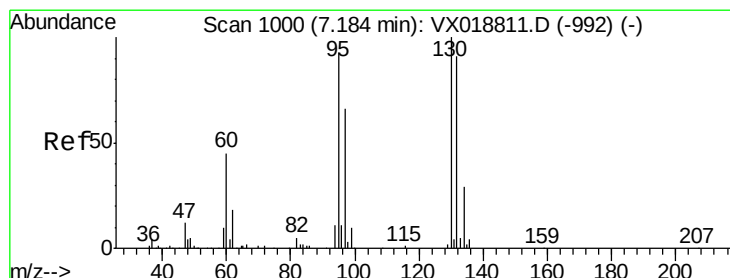
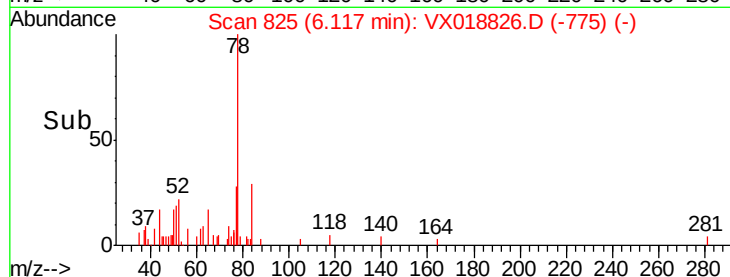
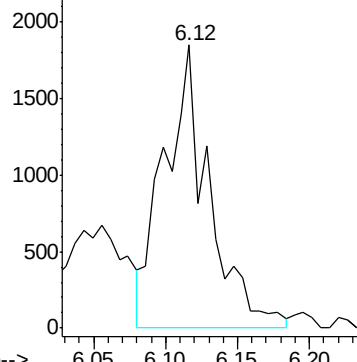
ClientSampled :

JLWX4

Tgt Ion: 78 Resp: 4008



Abundance Ion 78.10 (77.80 to 78.80): VX0



#34

Trichloroethene

Concen: 0.177 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX018826.D

Acq: 07 Oct 2020 21:30

Tgt Ion: 95 Resp: 1510

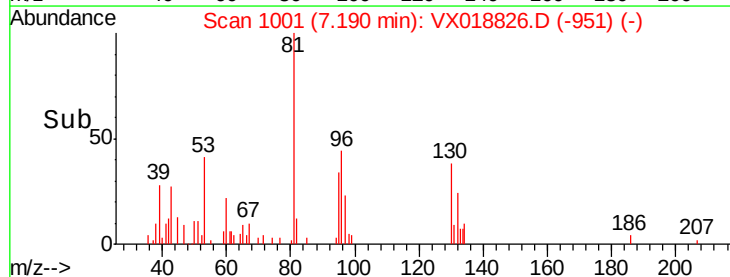
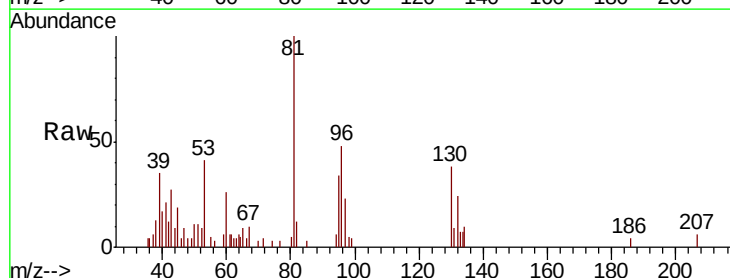
Ion	Ratio	Lower	Upper
95	100		
97	66.2	45.3	84.1
132	68.9	68.6	127.4
130	112.1	74.5	138.3

Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



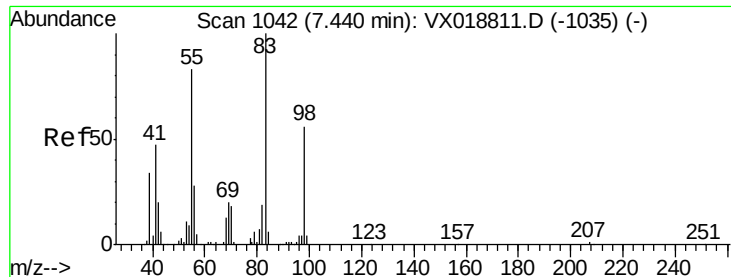
Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

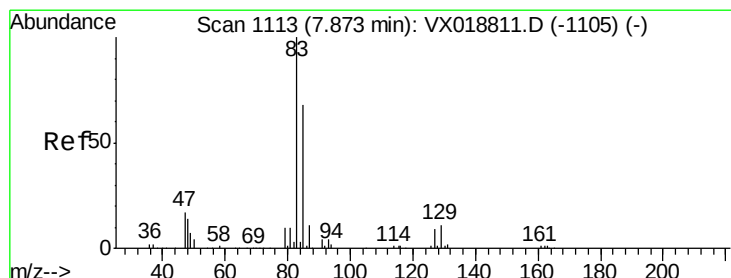
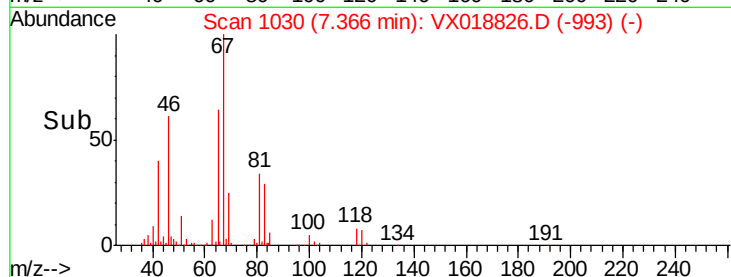
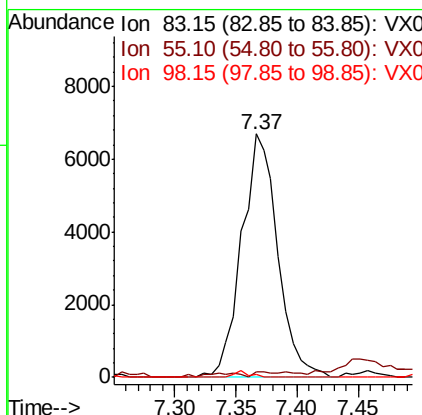
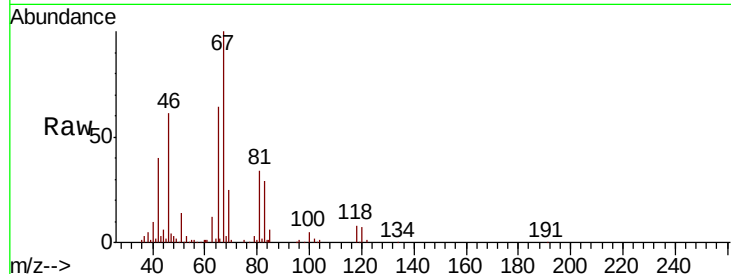
Time-->



#35
Methylvlcyclohexane
Concen: 1.135 ug/L
RT: 7.37 min Scan# 1030
Delta R.T. -0.07 min
Lab File: VX018826.D
Acq: 07 Oct 2020 21:30

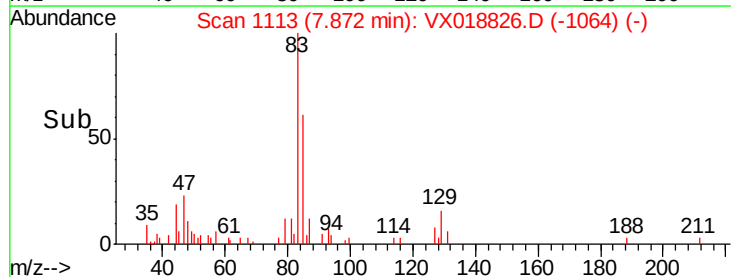
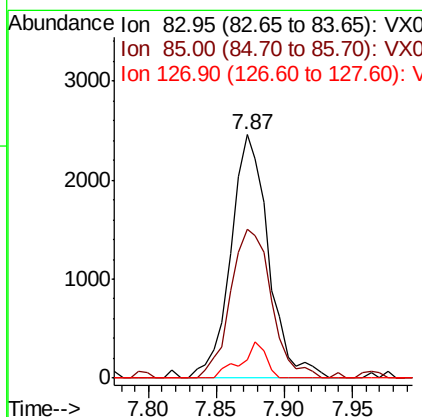
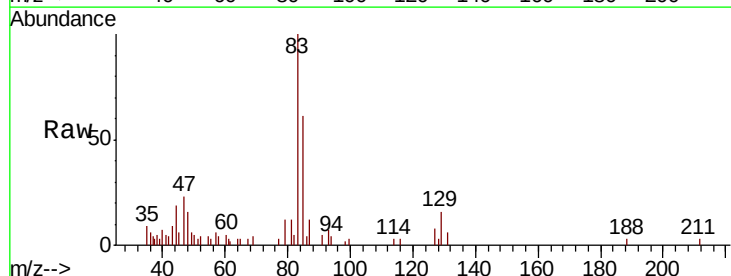
Instrument :
MSVOA_X
ClientSampleId :
JLWX4

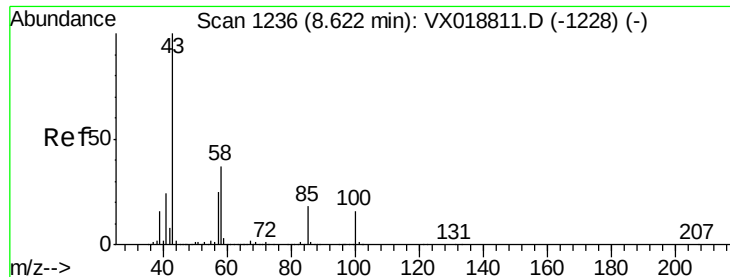
Tot Ion: 83 Resp: 13703
Ion Ratio Lower Upper
83 100
55 1.7 60.3 90.5#
98 1.1 39.4 59.0#



#38
Bromodichloromethane
Concen: 0.412 ug/L
RT: 7.87 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VX018826.D
Acq: 07 Oct 2020 21:30

Tgt Ion: 83 Resp: 4753
Ion Ratio Lower Upper
83 100
85 61.2 46.6 86.6
127 7.8 9.9 14.9#

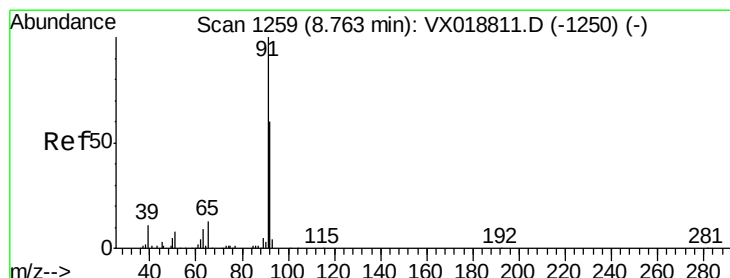
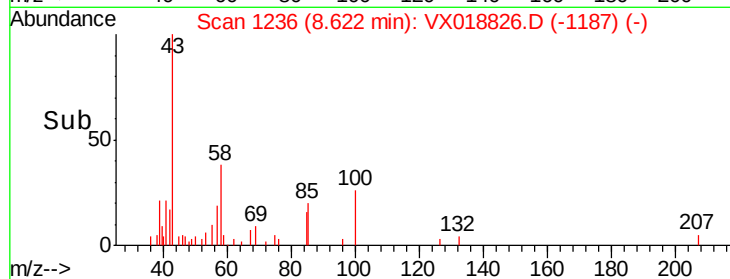
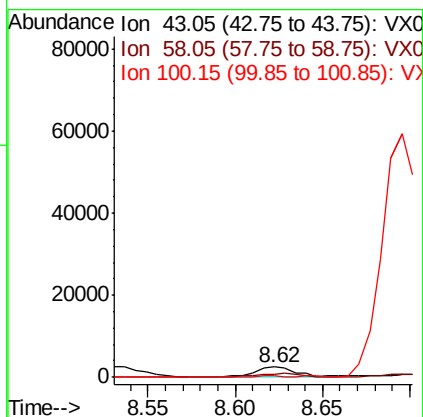
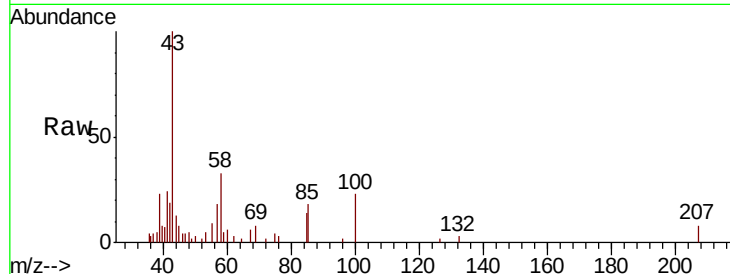




#40
4-Methyl-2-pentanone
Concen: 0.812 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX018826.D
Acq: 07 Oct 2020 21:30

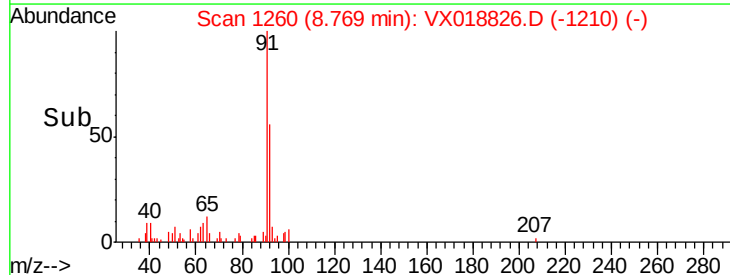
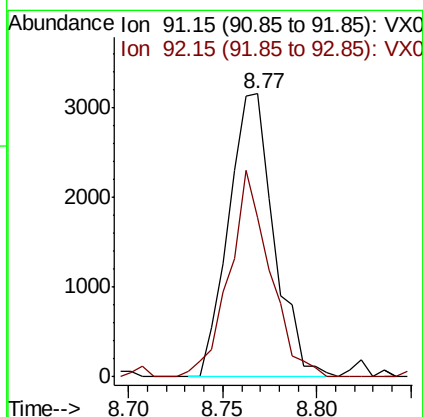
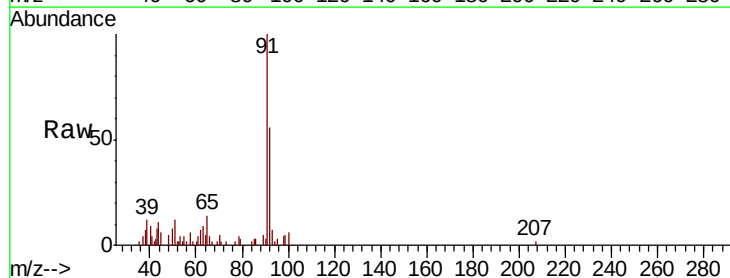
Instrument :
MSVOA_X
ClientSampleId :
JLWX4

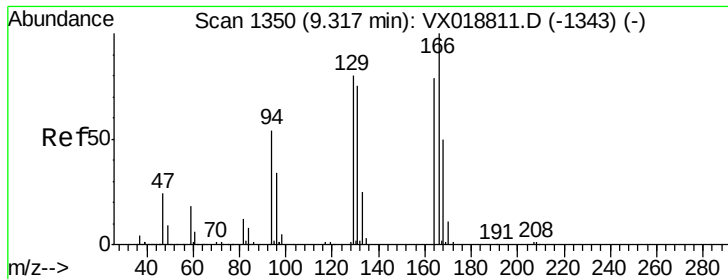
Tot Ion: 43 Resp: 3402
Ion Ratio Lower Upper
43 100
58 53.8 30.8 46.2#
100 0.0 13.2 19.8#



#42
Toluene
Concen: 0.166 ug/L
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX018826.D
Acq: 07 Oct 2020 21:30

Tgt Ion: 91 Resp: 5248
Ion Ratio Lower Upper
91 100
92 56.1 40.3 74.9





#49

Tetrachloroethene

Concen: 7.143 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX018826.D

Acq: 07 Oct 2020 21:30

Instrument :

MSVOA_X

ClientSampleId :

JLWX4

Tot Ion:164 Resp: 53209

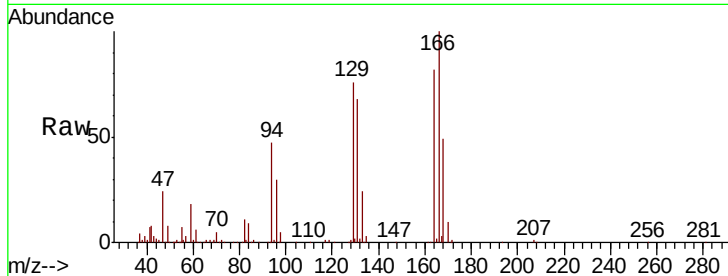
Ion Ratio Lower Upper

164 100

129 93.0 68.7 127.5

131 84.0 65.3 121.3

166 122.6 88.5 164.4

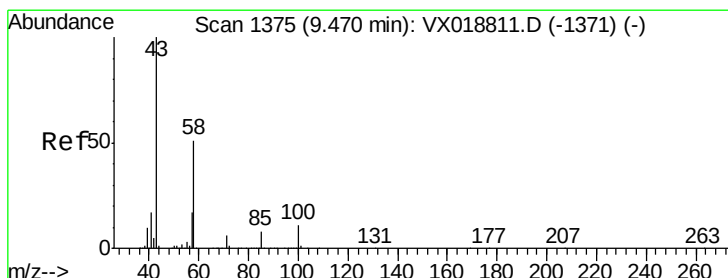
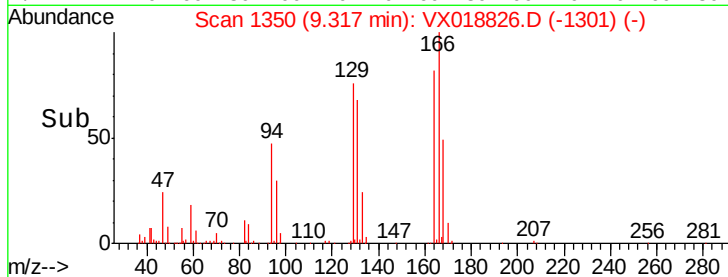
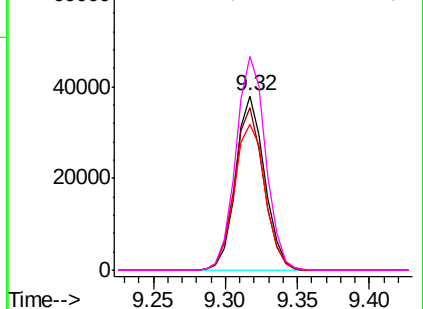


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 2.177 ug/L

RT: 9.48 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VX018826.D

Acq: 07 Oct 2020 21:30

Tgt Ion: 43 Resp: 6622

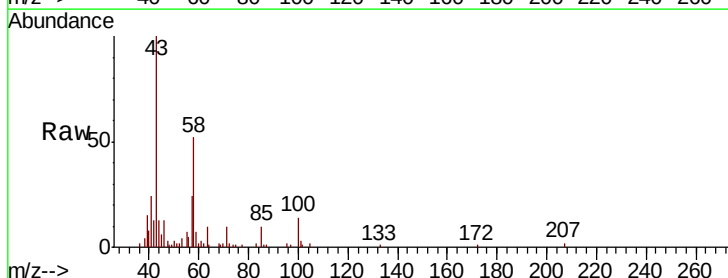
Ion Ratio Lower Upper

43 100

58 61.0 41.0 61.4

57 0.0 15.9 23.9#

100 18.9 10.1 15.1#

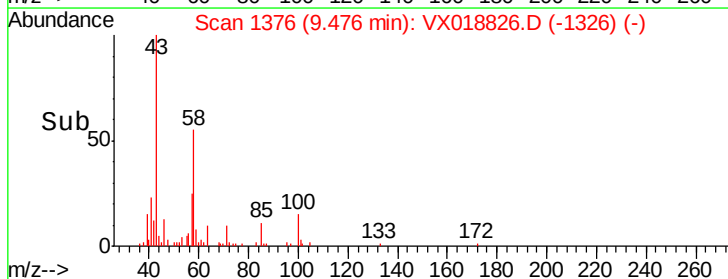
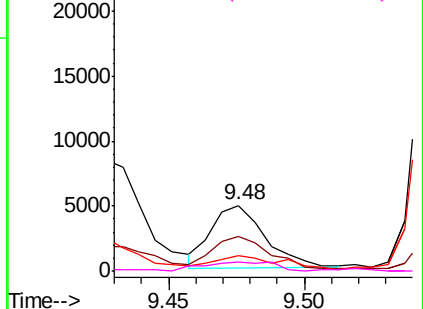


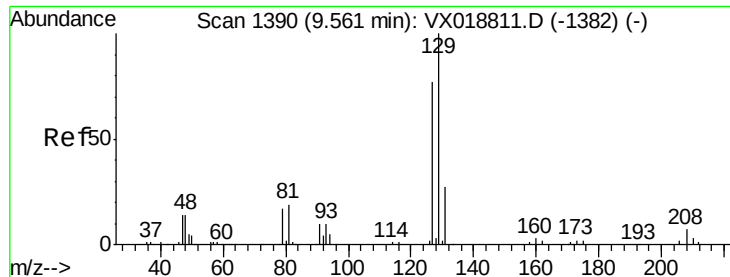
Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 57.20 (56.90 to 57.90): VX0

Ion 100.15 (99.85 to 100.85): VX0





#51

Dibromochloromethane

Concen: 1.964 ug/L

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX018826.D

Acq: 07 Oct 2020 21:30

Instrument :

MSVOA_X

ClientSampleId :

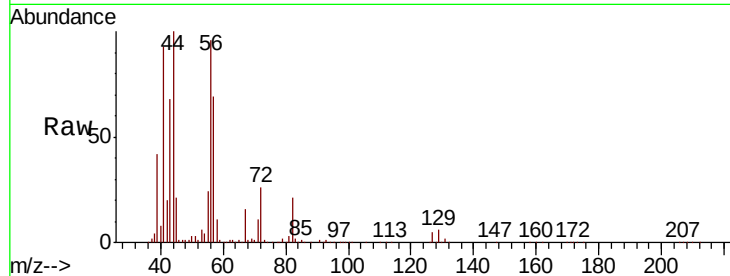
JLWX4

Tot Ion:129 Resp: 15572

Ion Ratio Lower Upper

129 100

127 77.7 54.5 101.1



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

9.57

12000

10000

8000

6000

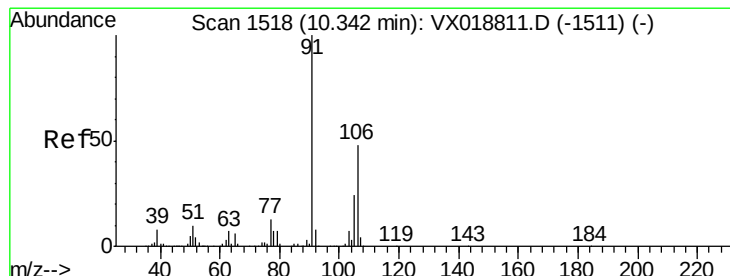
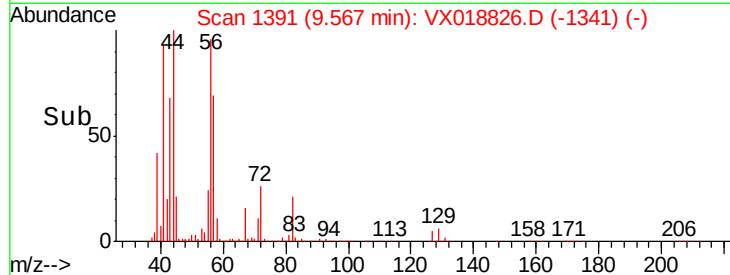
4000

2000

0

Time-->

9.50 9.55 9.60 9.65



#55

m,p-xylene

Concen: 0.088 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018826.D

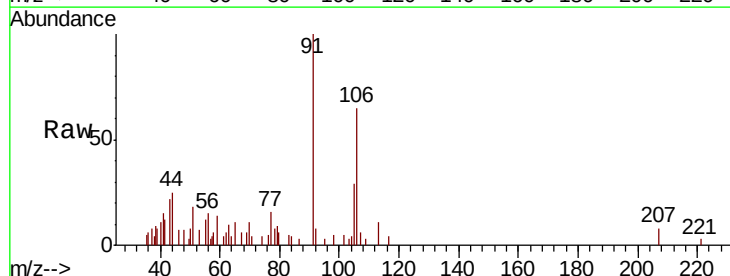
Acq: 07 Oct 2020 21:30

Tgt Ion:106 Resp: 1213

Ion Ratio Lower Upper

106 100

91 154.8 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): V

2000

1500

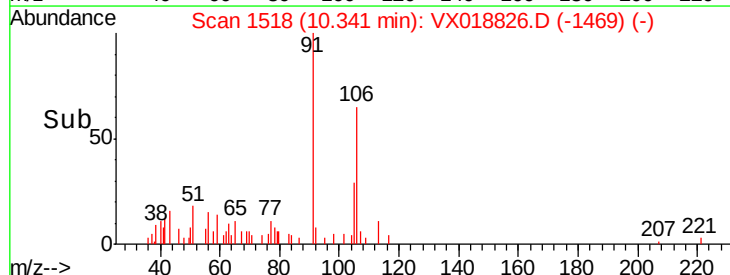
1000

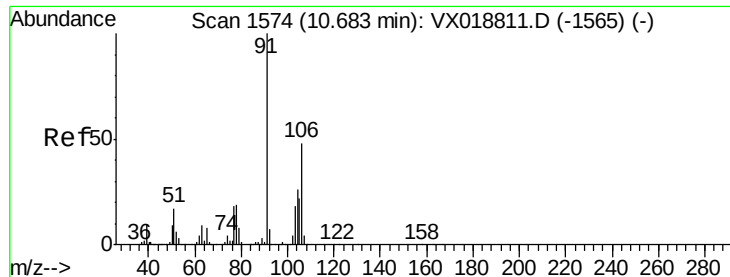
500

0

Time-->

10.30 10.35





#56

o-xylene

Concen: 0.066 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018826.D

Acq: 07 Oct 2020 21:30

Instrument :

MSVOA_X

ClientSampled :

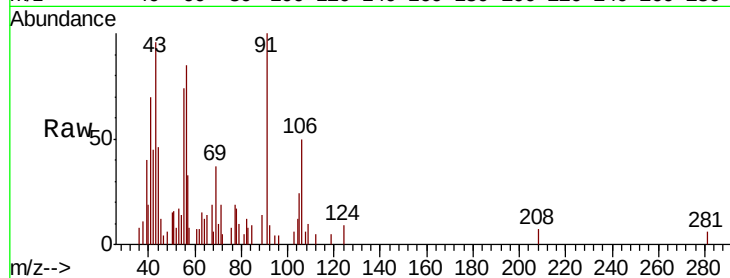
JLWX4

Tot Ion:106 Resp: 847

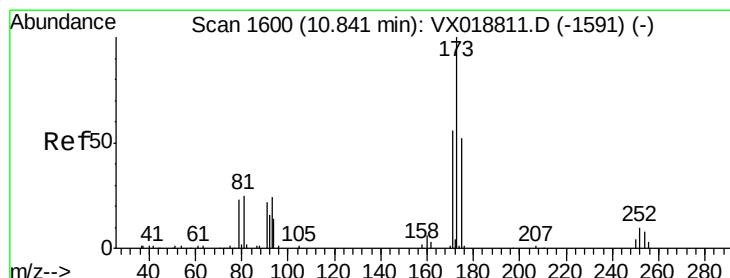
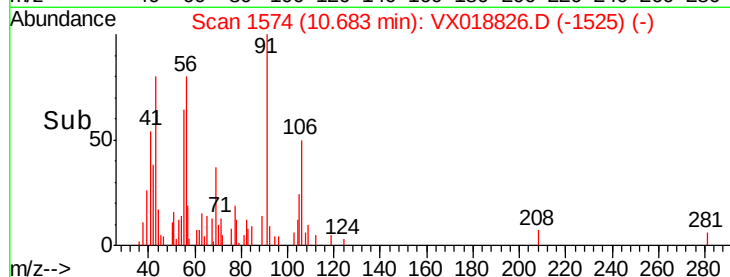
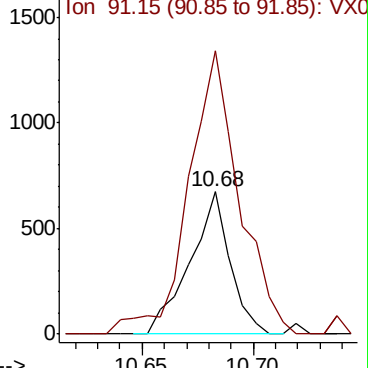
Ion Ratio Lower Upper

106 100

91 199.3 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V



#62

Bromoform

Concen: 3.871 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX018826.D

Acq: 07 Oct 2020 21:30

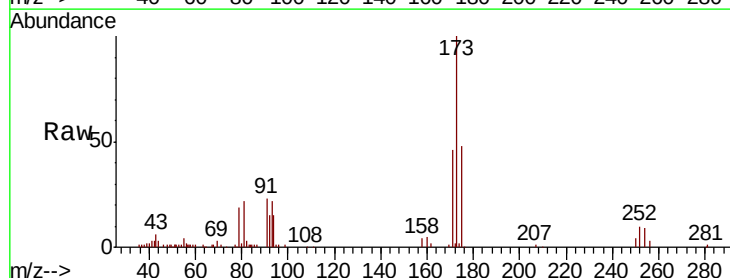
Tgt Ion:173 Resp: 18082

Ion Ratio Lower Upper

173 100

175 49.3 37.8 56.8

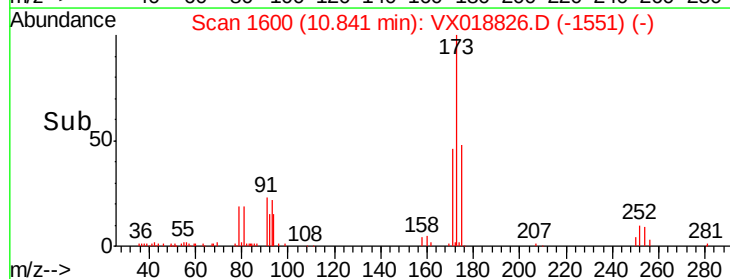
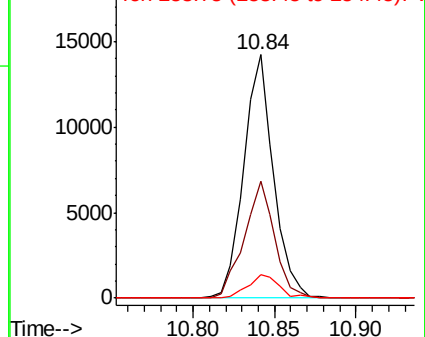
254 10.1 7.2 10.8

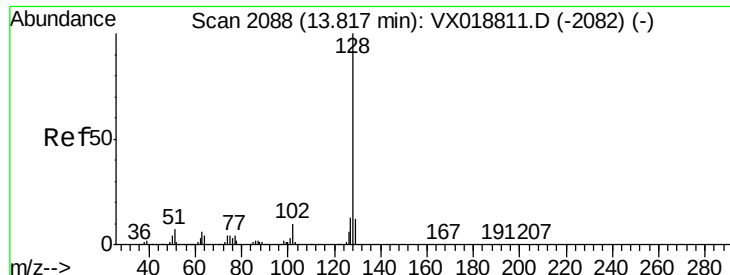


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#70

Naphthalene

Concen: 0.160 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018826.D

Acq: 07 Oct 2020 21:30

Instrument :

MSVOA_X

ClientSampleId :

JLWX4

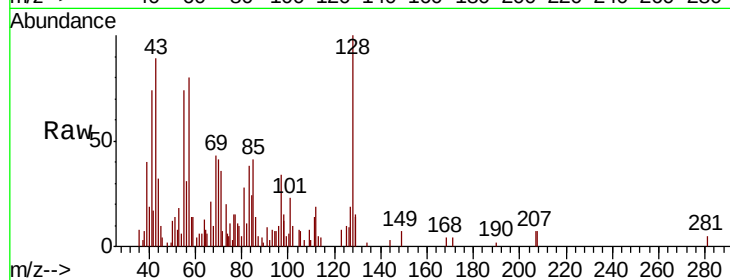
Tot Ion:128 Resp: 2874

Ion Ratio Lower Upper

128 100

129 27.0 9.0 13.4#

127 27.8 10.5 15.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

