

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092920\
 Data File : VX018652.D
 Acq On : 29 Sep 2020 13:01
 Operator : JC/SP
 Sample : L4135-15
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 30 04:56:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 04:47:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	272557	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	260774	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	119410	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	63690	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.70	69	52433	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.34	63	110738	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	4.54	46	183713	50.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.02%
24) Chloroform-d	5.14	84	156776	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	6.03	65	85733	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	6.05	84	286752	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	7.37	67	91497	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	8.70	98	268480	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
45) trans-1,3-Dichloropropene-	8.99	79	35750	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
48) 2-Hexanone-d5	9.43	63	154032	52.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.46%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	65480	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
65) 1,2-Dichlorobenzene-d4	12.36	152	99518	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

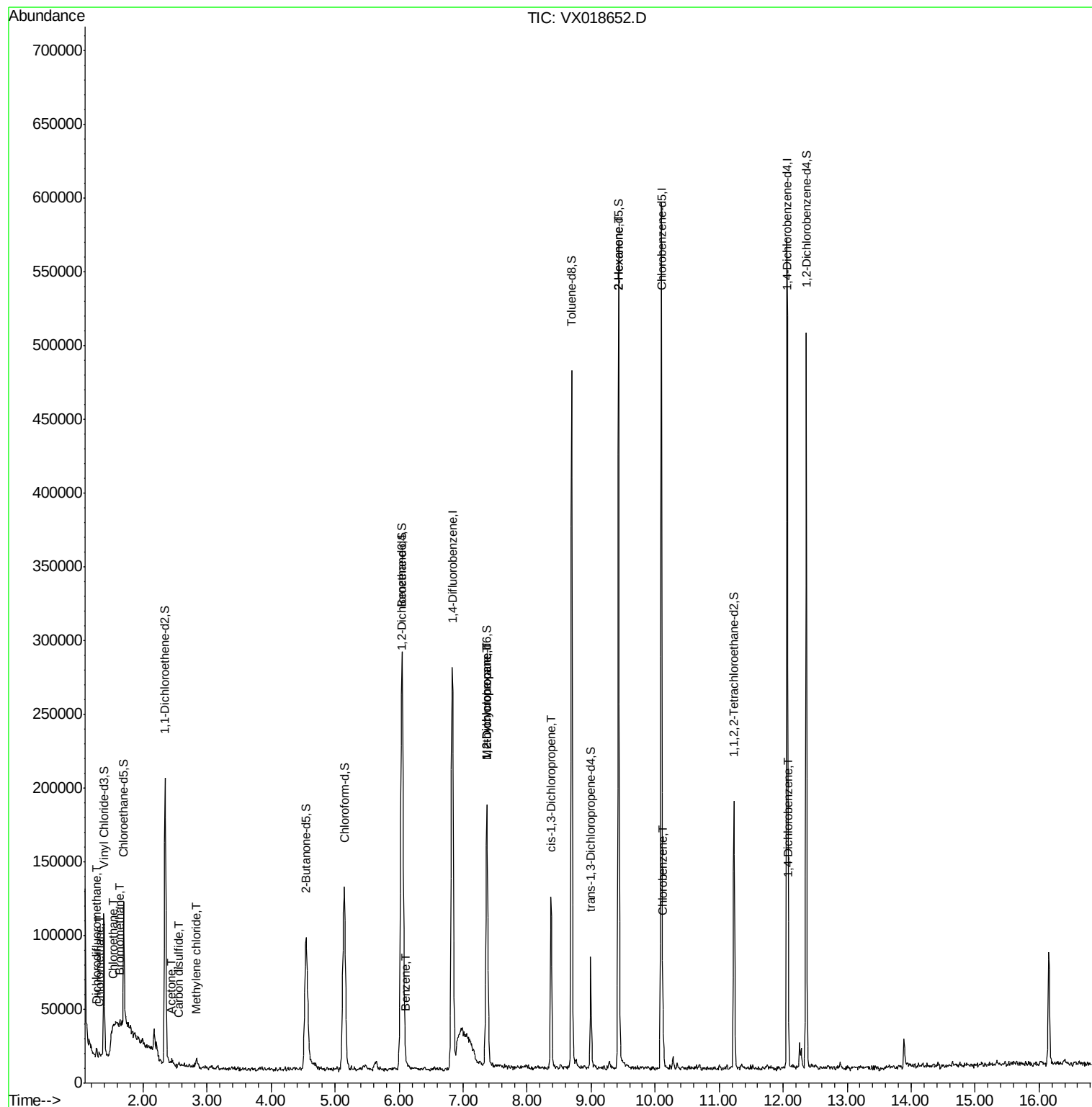
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.28	85	1665	0.101	ug/L	98
3) Chloromethane	1.31	50	1995	0.142	ug/L	90
6) Bromomethane	1.64	94	794	0.090	ug/L	81
8) Chloroethane	1.53	64	43934	5.414	ug/L #	52
13) Acetone	2.44	43	5784	2.873	ug/L	88
14) Carbon disulfide	2.56	76	3535	0.087	ug/L #	87
16) Methylene chloride	2.84	84	2719	0.150	ug/L	87
33) Benzene	6.10	78	3596	0.072	ug/L	100
35) Methylcyclohexane	7.37	83	21812	1.078	ug/L #	16
37) 1,2-Dichloropropane	7.37	63	10860	0.809	ug/L #	87
39) cis-1,3-Dichloropropene	8.37	75	3322	0.175	ug/L	86
50) 2-Hexanone	9.43	43	19781	3.758	ug/L #	69
53) Chlorobenzene	10.12	112	12272	0.342	ug/L	93
64) 1,4-Dichlorobenzene	12.09	146	3880	0.148	ug/L	95

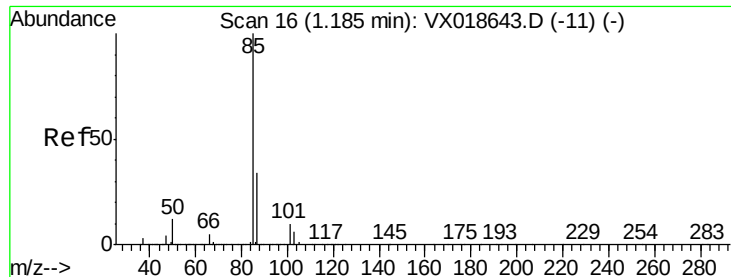
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.101 ug/L

RT: 1.28 min Scan# 31

Delta R.T. 0.09 min

Lab File: VX018652.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_X

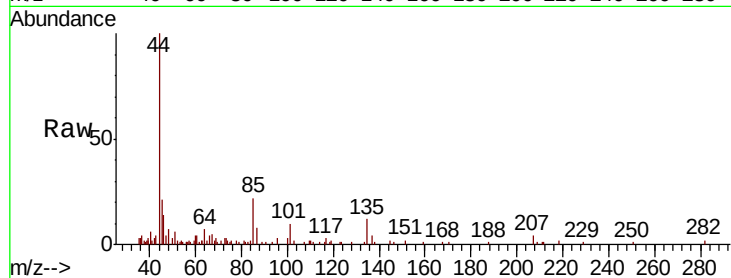
ClientSampled :

Tot Ion: 85 Resp: 1665

Ion Ratio Lower Upper

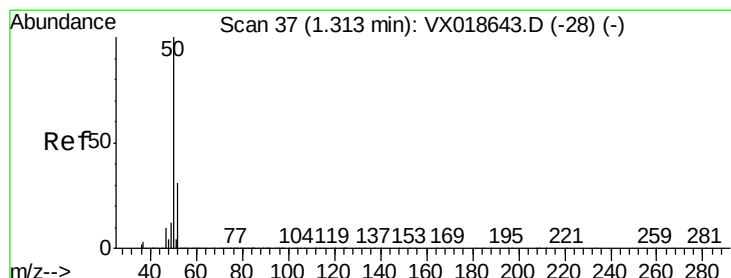
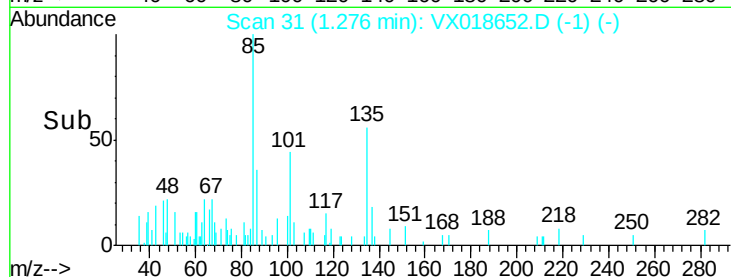
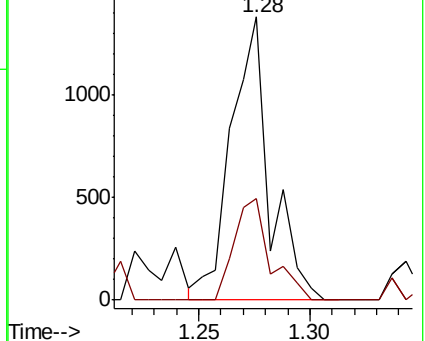
85 100

87 33.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 0.142 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018652.D

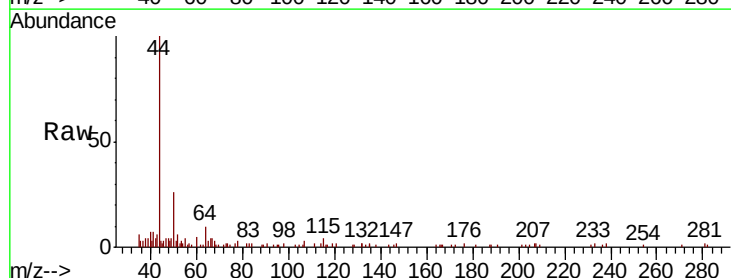
Acq: 29 Sep 2020 13:01

Tgt Ion: 50 Resp: 1995

Ion Ratio Lower Upper

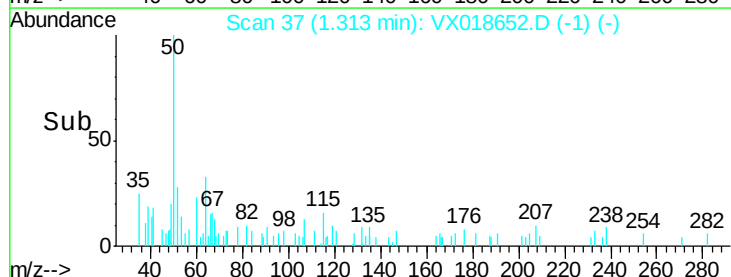
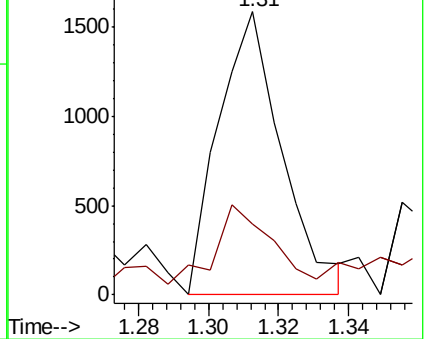
50 100

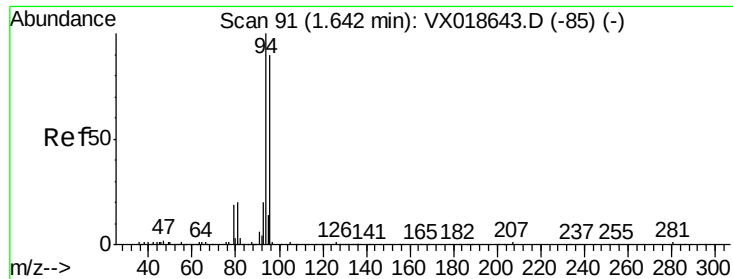
52 25.0 21.2 39.4



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#6

Bromomethane

Concen: 0.090 ug/L

RT: 1.64 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX018652.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_X

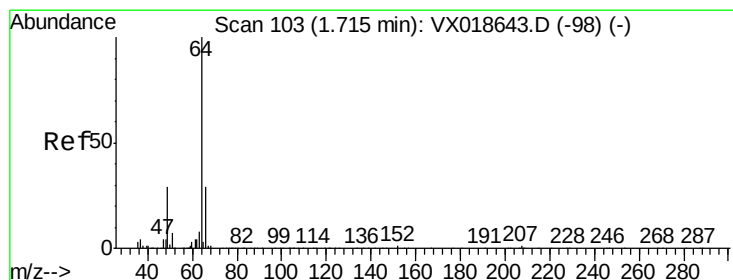
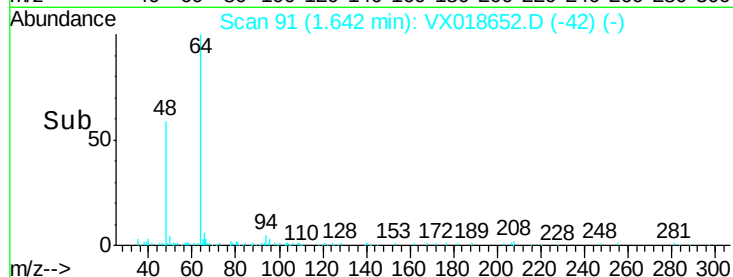
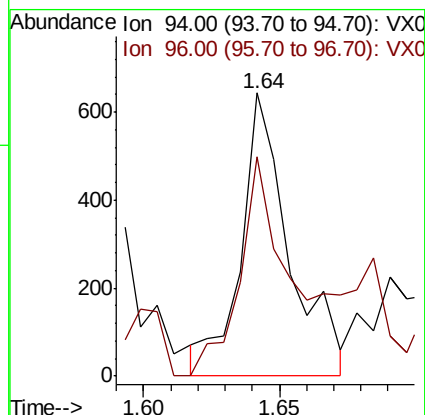
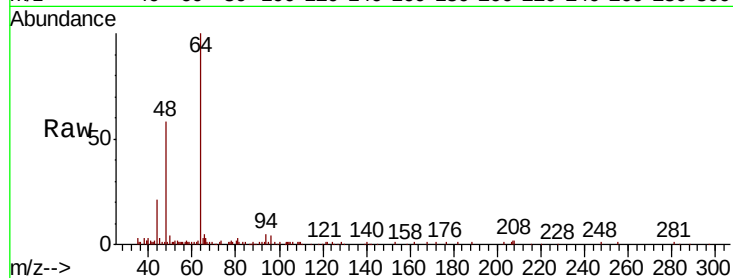
ClientSampleId :

Tot Ion: 94 Resp: 794

Ion Ratio Lower Upper

94 100

96 77.8 67.8 125.8



#8

Chloroethane

Concen: 5.414 ug/L

RT: 1.53 min Scan# 73

Delta R.T. -0.18 min

Lab File: VX018652.D

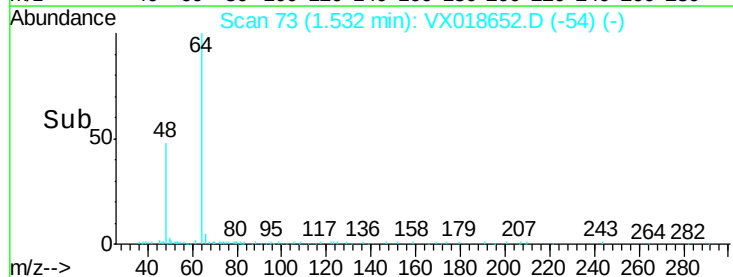
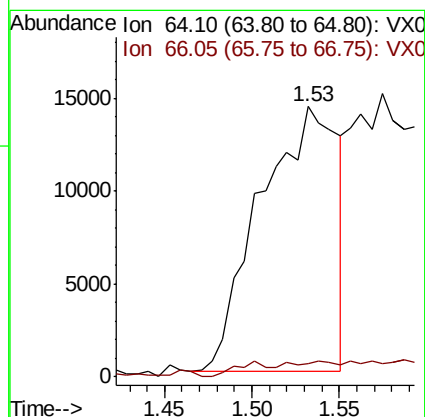
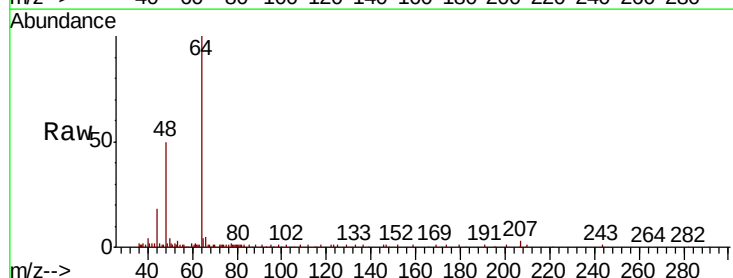
Acq: 29 Sep 2020 13:01

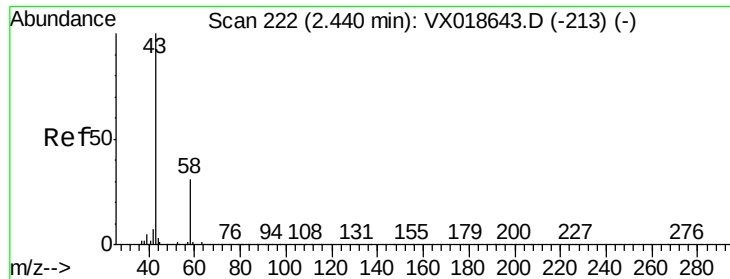
Tgt Ion: 64 Resp: 43934

Ion Ratio Lower Upper

64 100

66 5.1 22.3 41.3#





#13

Acetone

Concen: 2.873 ug/L

RT: 2.44 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX018652.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_X

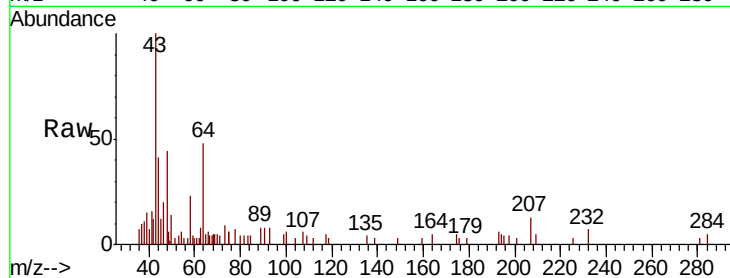
ClientSampled :

Tot Ion: 43 Resp: 5784

Ion Ratio Lower Upper

43 100

58 37.3 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

2.44

2000

1500

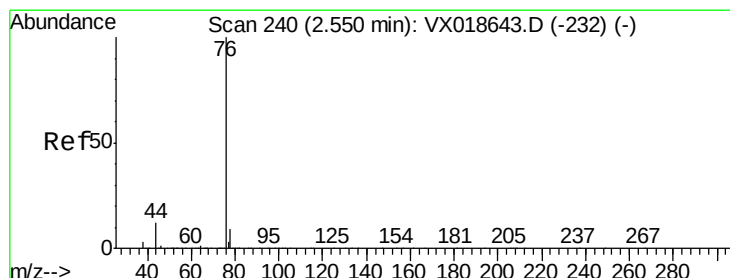
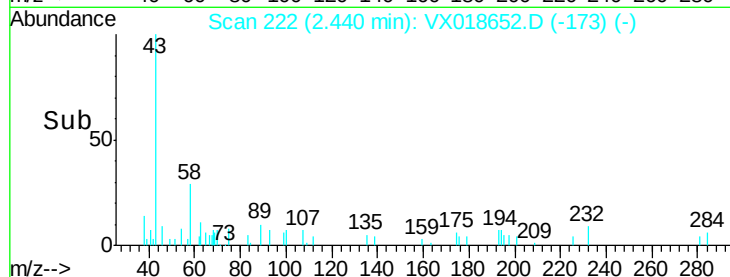
1000

500

0

Time-->

2.35 2.40 2.45 2.50



#14

Carbon disulfide

Concen: 0.087 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018652.D

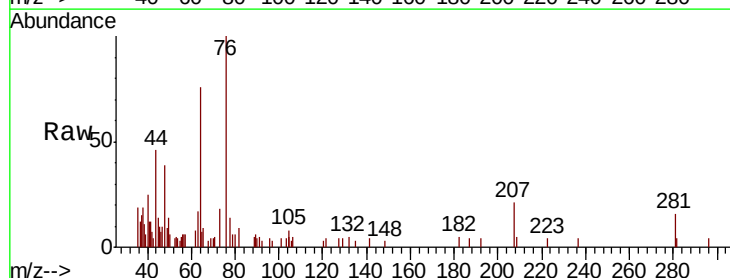
Acq: 29 Sep 2020 13:01

Tgt Ion: 76 Resp: 3535

Ion Ratio Lower Upper

76 100

78 13.8 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

2.56

2000

1500

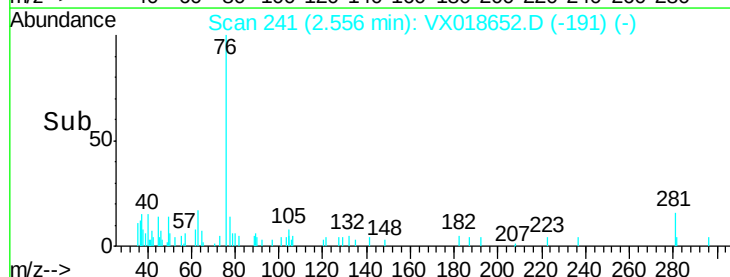
1000

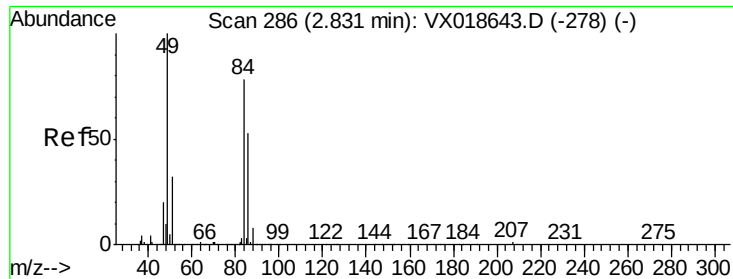
500

0

Time-->

2.50 2.55 2.60

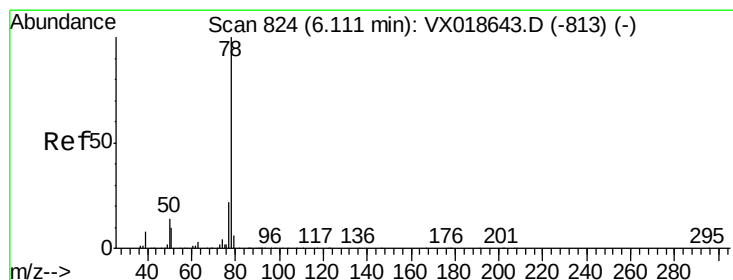
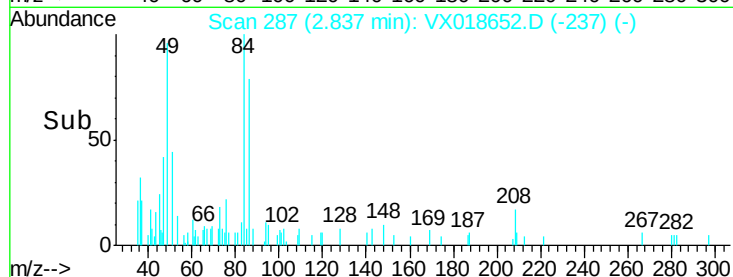
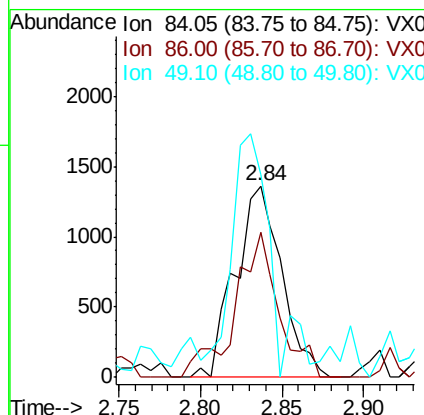
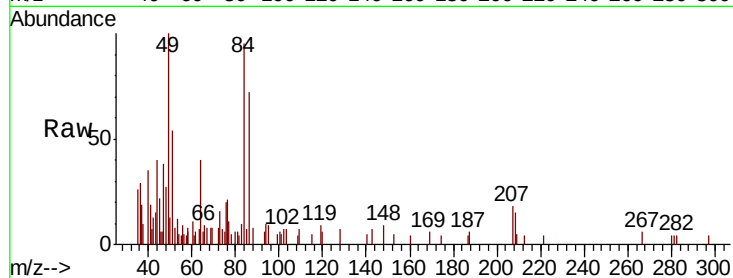




#16
Methvlene chloride
Concen: 0.150 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018652.D
Acq: 29 Sep 2020 13:01

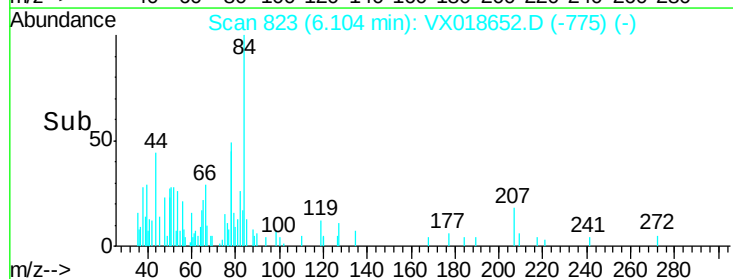
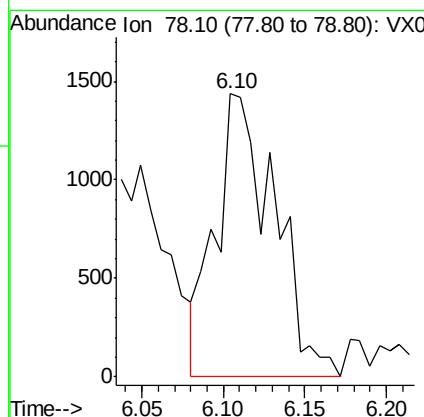
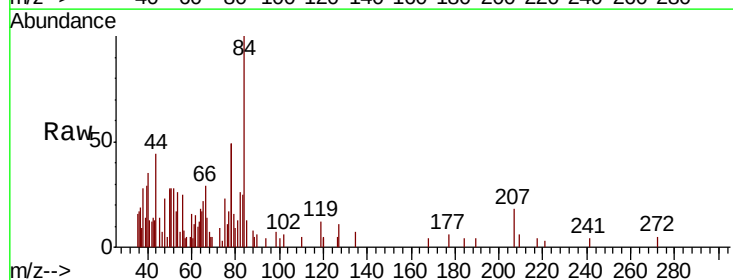
Instrument :
MSVOA_X
ClientSampleId :

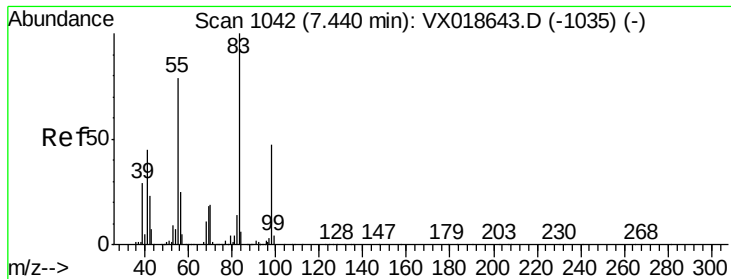
Tot Ion: 84 Resp: 2719
Ion Ratio Lower Upper
84 100
86 76.0 41.9 77.7
49 105.6 80.8 150.2



#33
Benzene
Concen: 0.072 ug/L
RT: 6.10 min Scan# 823
Delta R.T. -0.01 min
Lab File: VX018652.D
Acq: 29 Sep 2020 13:01

Tgt Ion: 78 Resp: 3596

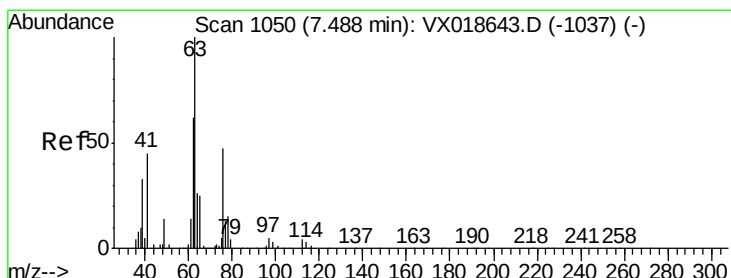
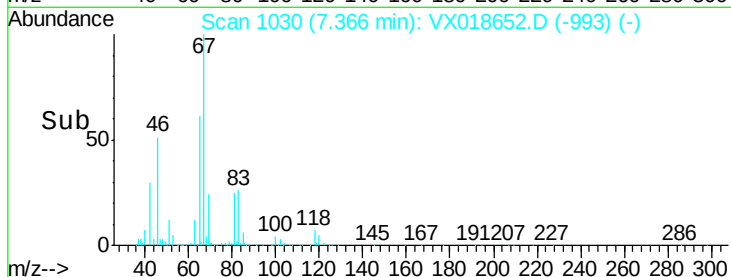
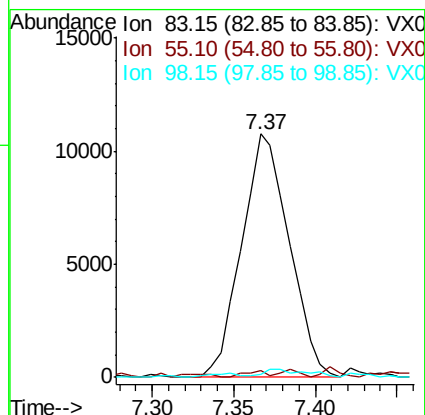
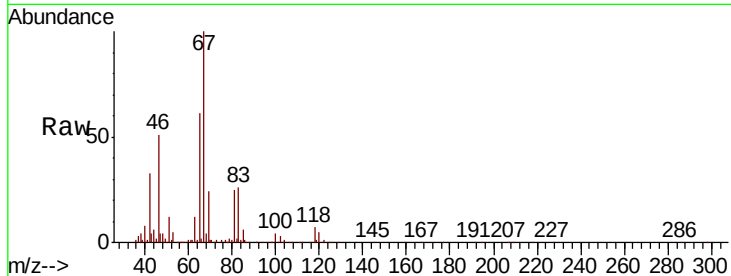




#35
Methylvlcyclohexane
Concen: 1.078 ug/L
RT: 7.37 min Scan# 1030
Delta R.T. -0.07 min
Lab File: VX018652.D
Acq: 29 Sep 2020 13:01

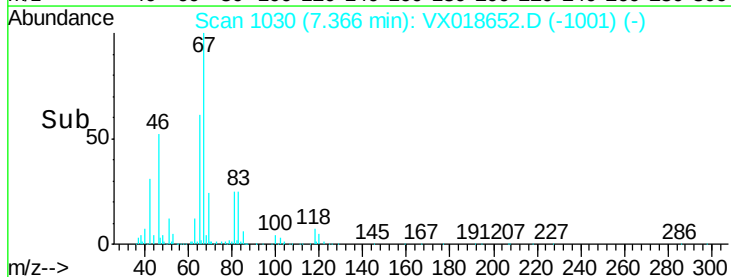
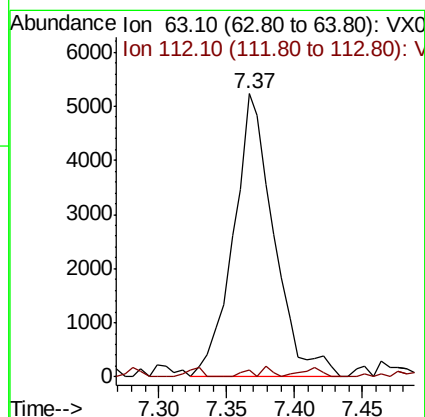
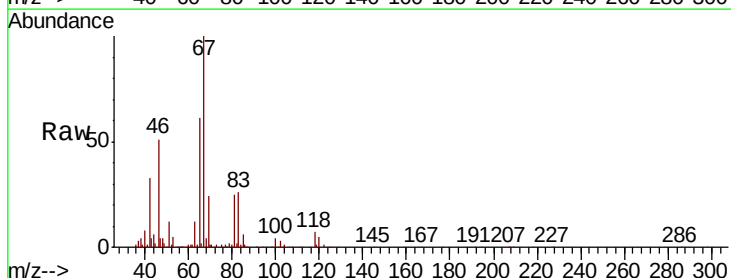
Instrument :
MSVOA_X
ClientSampleId :

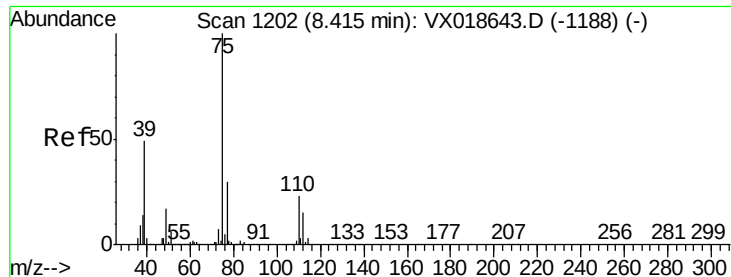
Tot Ion	Ratio	Lower	Upper
83	100		
55	1.2	67.4	101.0#
98	1.0	41.1	61.7#



#37
1,2-Dichloropropane
Concen: 0.809 ug/L
RT: 7.37 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VX018652.D
Acq: 29 Sep 2020 13:01

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.7	4.1	6.1#

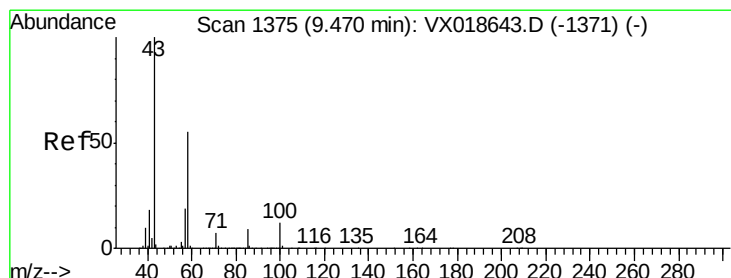
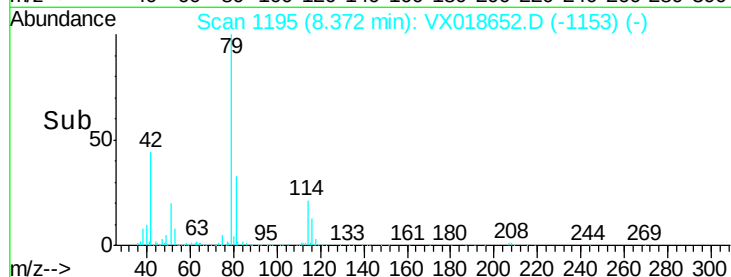
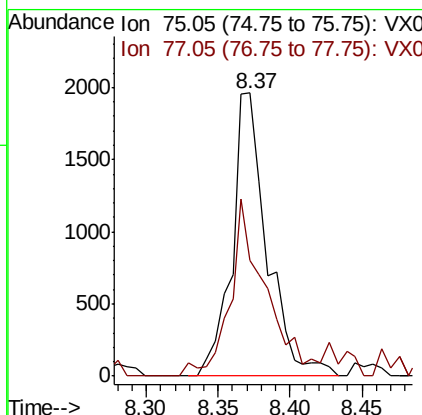
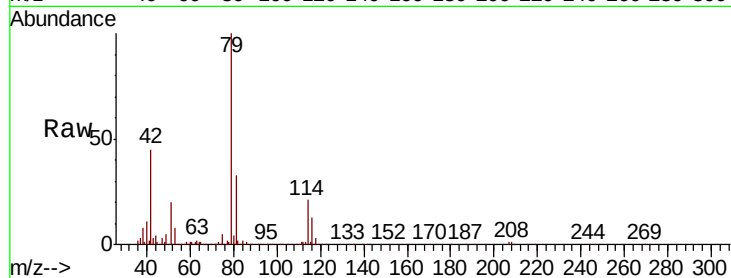




#39
 cis-1,3-Dichloropropene
 Concen: 0.175 ug/L
 RT: 8.37 min Scan# 1195
 Delta R.T. -0.04 min
 Lab File: VX018652.D
 Acq: 29 Sep 2020 13:01

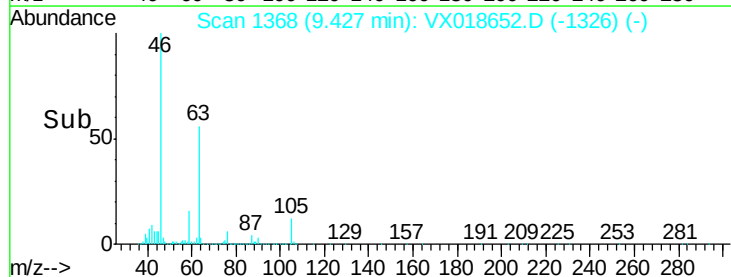
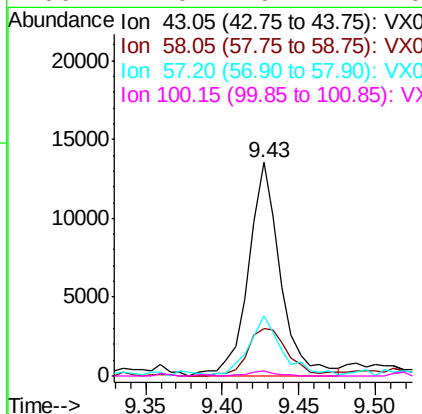
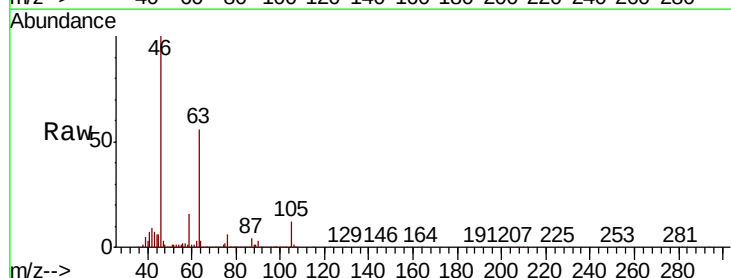
Instrument :
 MSVOA_X
 ClientSampleId :

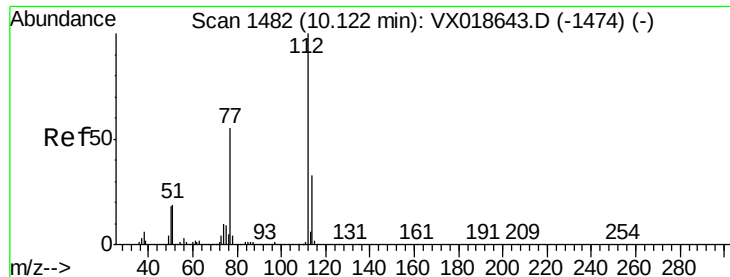
Tot Ion: 75 Resp: 3322
 Ion Ratio Lower Upper
 75 100
 77 40.8 23.0 42.8



#50
 2-Hexanone
 Concen: 3.758 ug/L
 RT: 9.43 min Scan# 1368
 Delta R.T. -0.04 min
 Lab File: VX018652.D
 Acq: 29 Sep 2020 13:01

Tgt Ion: 43 Resp: 19781
 Ion Ratio Lower Upper
 43 100
 58 27.2 42.5 63.7#
 57 29.3 15.9 23.9#
 100 2.0 9.4 14.0#





#53

Chlorobenzene

Concen: 0.342 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018652.D

Acq: 29 Sep 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

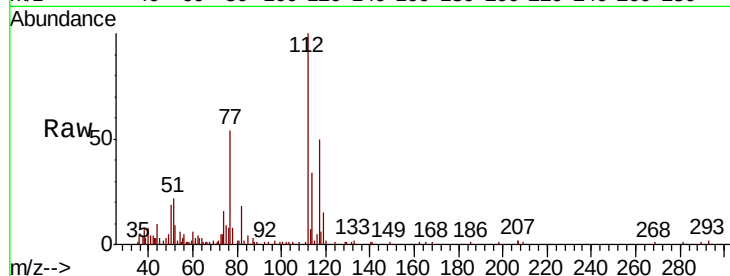
Tot Ion:112 Resp: 12272

Ion Ratio Lower Upper

112 100

114 34.3 20.6 38.4

77 53.9 46.6 69.8

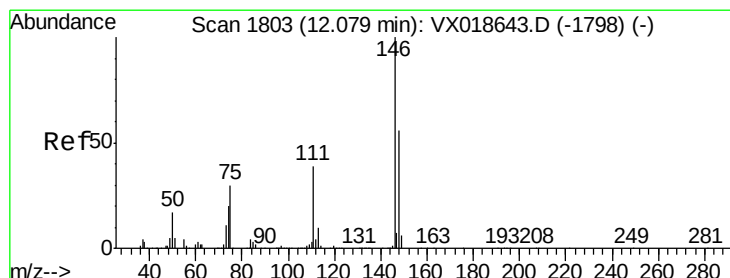
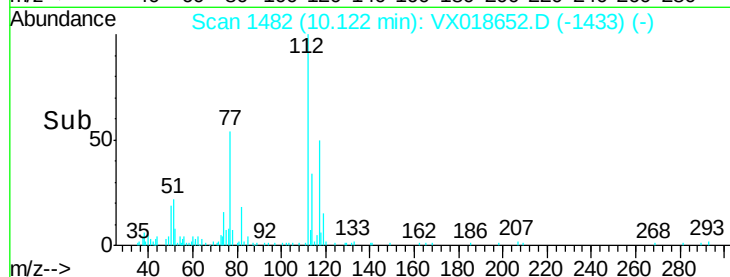


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V

Time-->



#64

1,4-Dichlorobenzene

Concen: 0.148 ug/L

RT: 12.09 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX018652.D

Acq: 29 Sep 2020 13:01

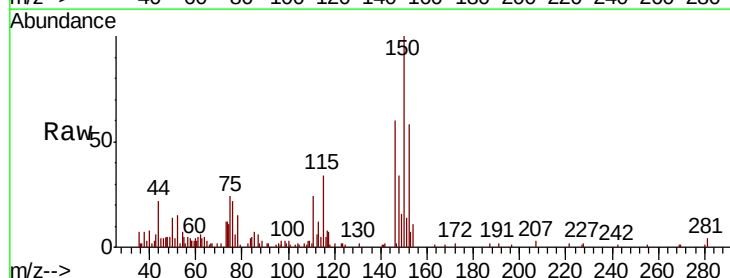
Tgt Ion:146 Resp: 3880

Ion Ratio Lower Upper

146 100

111 40.5 28.8 53.4

148 57.7 44.9 83.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

Time-->

