

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092920\
 Data File : VX018646.D
 Acq On : 29 Sep 2020 10:35
 Operator : JC/SP
 Sample : L4135-03
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 30 04:55:04 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	316402	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	295442	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	146946	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	67223	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.70	69	58815	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.20%
11) 1,1-Dichloroethene-d2	2.34	63	119331	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	4.55	46	205641	48.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.42%
24) Chloroform-d	5.14	84	172301	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	6.03	65	94897	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
32) Benzene-d6	6.05	84	317986	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	7.37	67	100725	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	8.70	98	295561	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
45) trans-1,3-Dichloropropene-	8.99	79	39449	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
48) 2-Hexanone-d5	9.43	63	167318	50.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.10%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	74811	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	118352	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.27	85	1674	0.087	ug/L	98
3) Chloromethane	1.31	50	1440	0.088	ug/L #	65
8) Chloroethane	1.72	64	6667	0.708	ug/L #	62
13) Acetone	2.45	43	6408	2.742	ug/L	78
15) Methyl Acetate	2.77	43	870	0.135	ug/L #	75
16) Methylene chloride	2.84	84	2358	0.112	ug/L #	76
22) cis-1,2-Dichloroethene	4.57	96	2442	0.152	ug/L #	82
33) Benzene	6.10	78	5150	0.090	ug/L	100
35) Methylcyclohexane	7.42	83	6031	0.263	ug/L #	10
37) 1,2-Dichloropropane	7.37	63	12650	0.832	ug/L #	89
39) cis-1,3-Dichloropropene	8.37	75	4041	0.187	ug/L #	50
42) Toluene	8.76	91	9528	0.155	ug/L	97
50) 2-Hexanone	9.43	43	22407	3.758	ug/L #	67
53) Chlorobenzene	10.12	112	620661	15.270	ug/L	98
55) m,p-xylene	10.34	106	2131	0.083	ug/L	87
58) Isopropylbenzene	11.00	105	11206	0.173	ug/L	97
60) 1,1,2,2-Tetrachloroethane	11.26	83	1083	0.088	ug/L #	25

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 30 04:47:32 2020
Response via : Initial Calibration

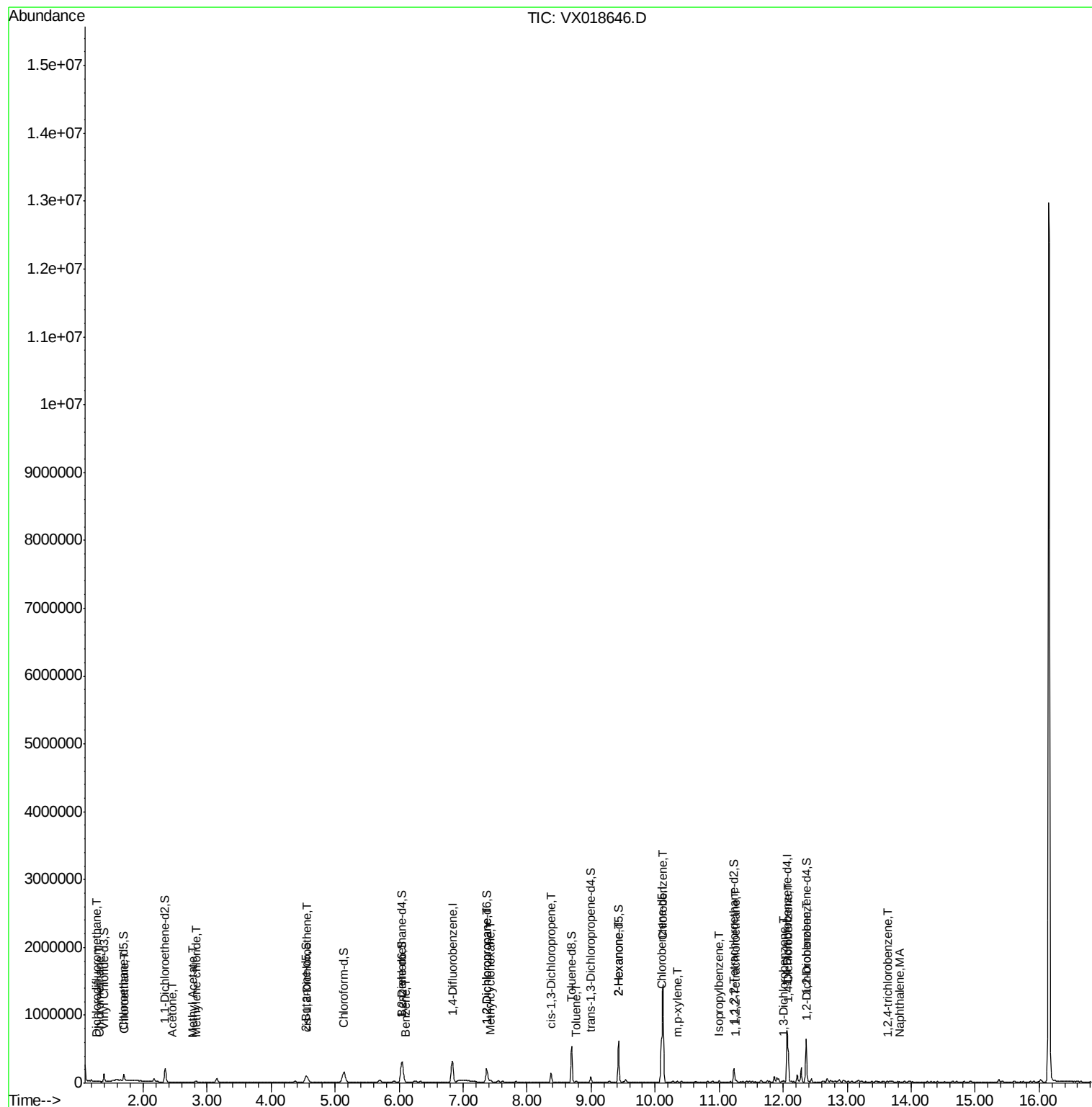
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,3-Dichlorobenzene	12.01	146	6855	0.215	ug/L	93
64) 1,4-Dichlorobenzene	12.08	146	113038	3.503	ug/L	97
66) 1,2-Dichlorobenzene	12.38	146	17170	0.577	ug/L	91
69) 1,2,4-trichlorobenzene	13.63	180	1682	0.086	ug/L #	78
70) Naphthalene	13.82	128	3166	0.095	ug/L #	81

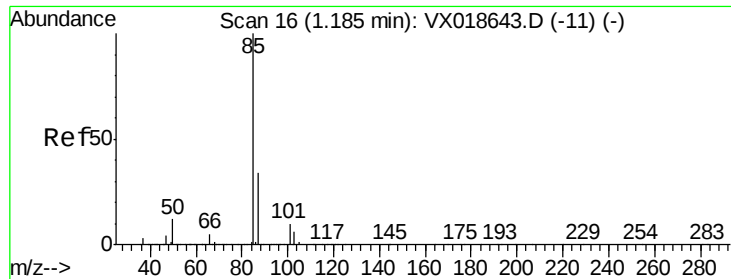
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.087 ug/L

RT: 1.27 min Scan# 30

Delta R.T. 0.09 min

Lab File: VX018646.D

Acq: 29 Sep 2020 10:35

Instrument :

MSVOA_X

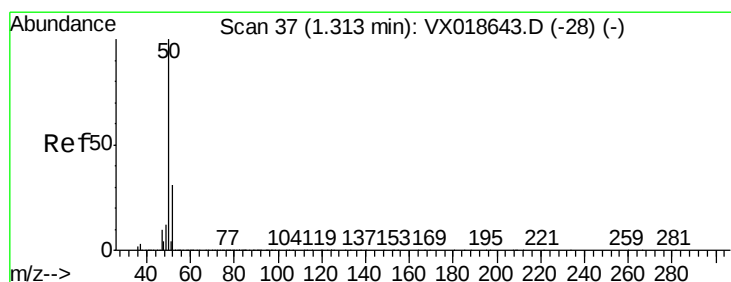
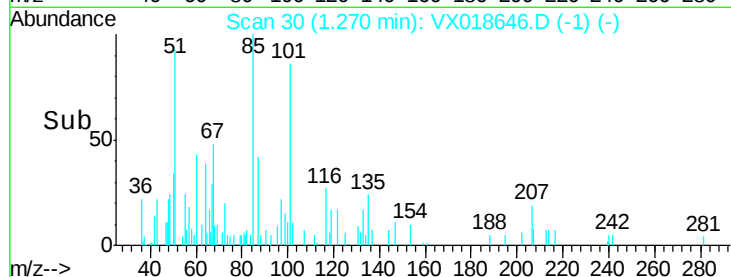
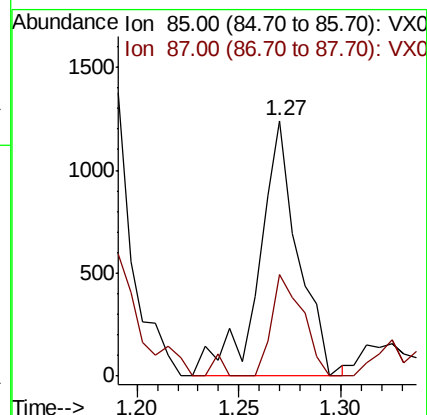
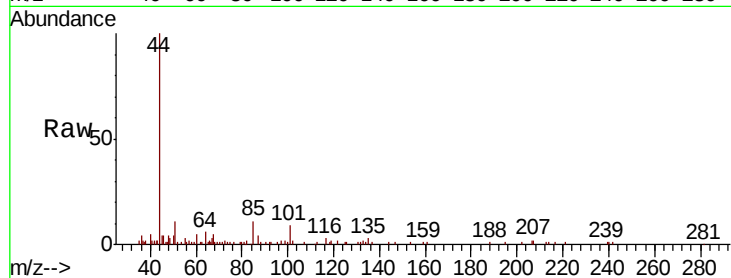
ClientSampleId :

Tot Ion: 85 Resp: 1674

Ion Ratio Lower Upper

85 100

87 31.7 26.1 39.1



#3

Chloromethane

Concen: 0.088 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018646.D

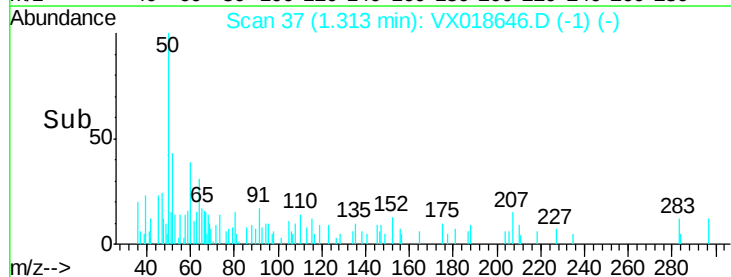
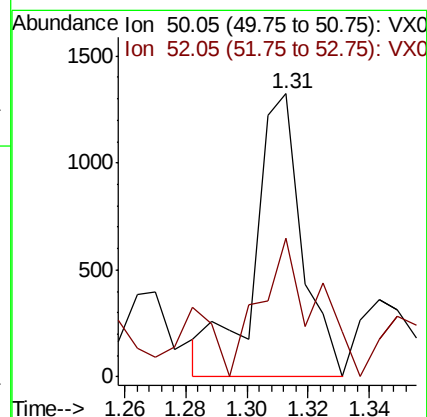
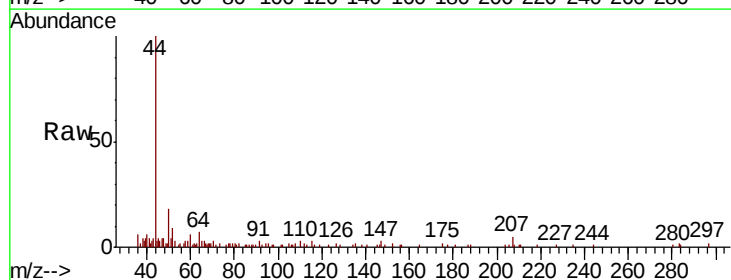
Acq: 29 Sep 2020 10:35

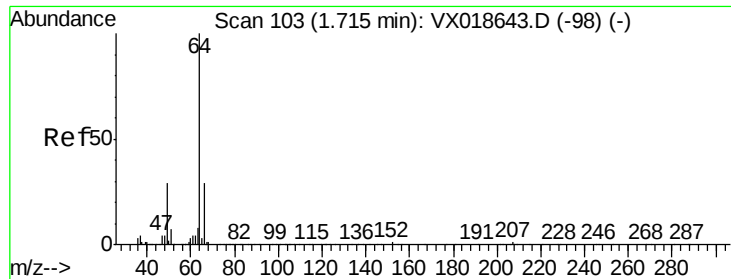
Tgt Ion: 50 Resp: 1440

Ion Ratio Lower Upper

50 100

52 49.1 21.2 39.4#





#8

Chloroethane

Concen: 0.708 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX018646.D

Acq: 29 Sep 2020 10:35

Instrument :

MSVOA_X

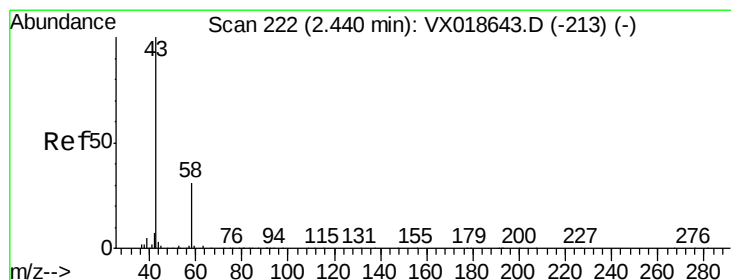
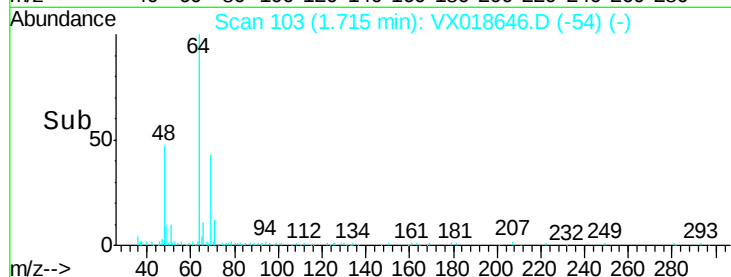
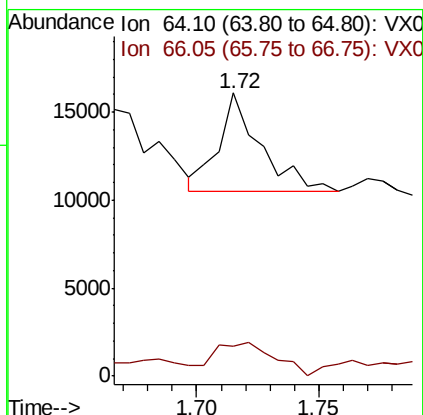
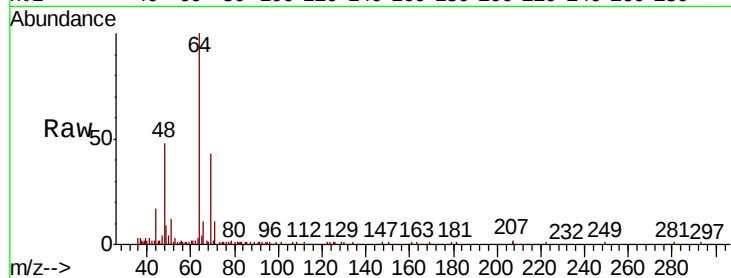
ClientSampleId :

Tot Ion: 64 Resp: 6667

Ion Ratio Lower Upper

64 100

66 10.7 22.3 41.3#



#13

Acetone

Concen: 2.742 ug/L

RT: 2.45 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX018646.D

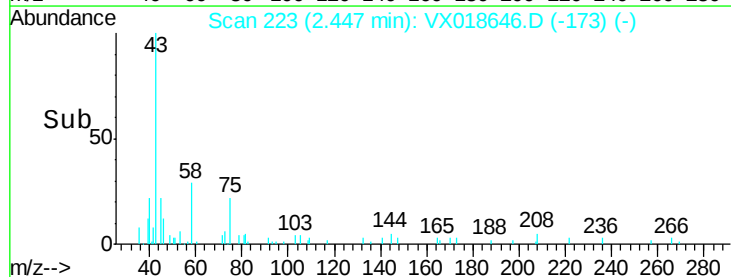
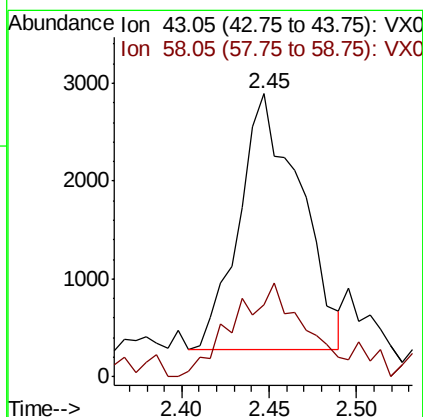
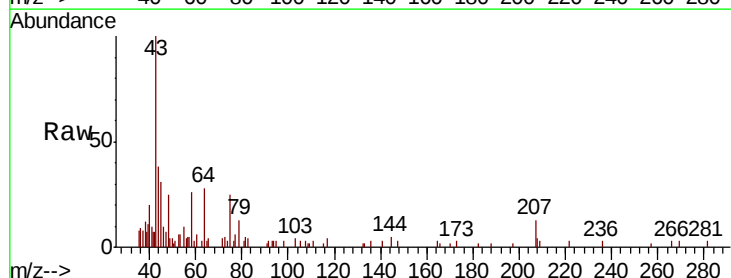
Acq: 29 Sep 2020 10:35

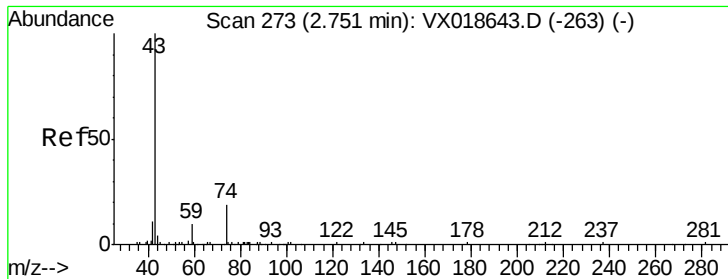
Tgt Ion: 43 Resp: 6408

Ion Ratio Lower Upper

43 100

58 42.7 0.0 61.6

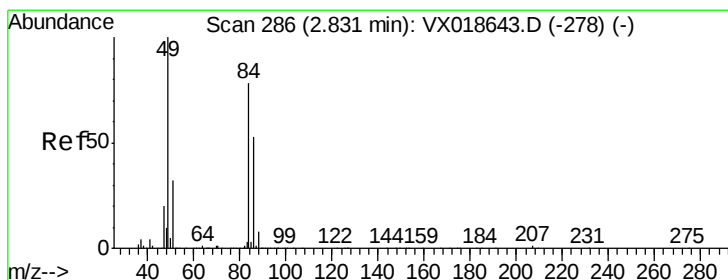
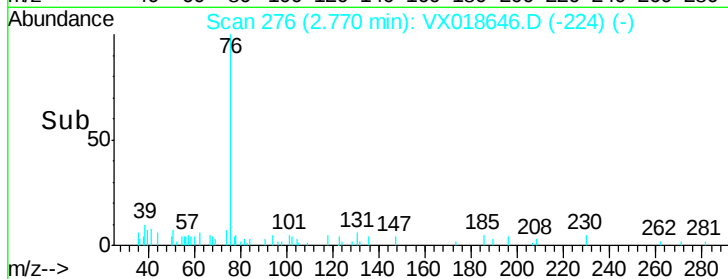
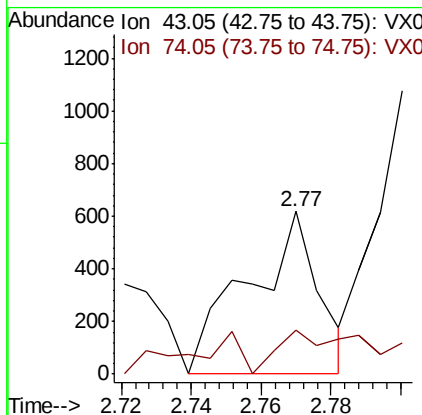
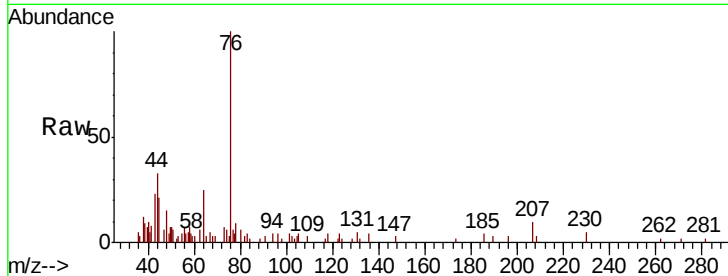




#15
Methyl Acetate
Concen: 0.135 ug/L
RT: 2.77 min Scan# 276
Delta R.T. 0.02 min
Lab File: VX018646.D
Acq: 29 Sep 2020 10:35

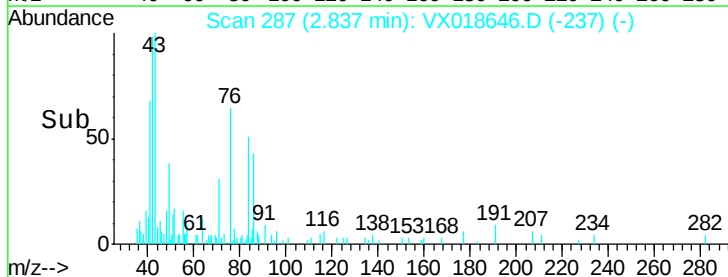
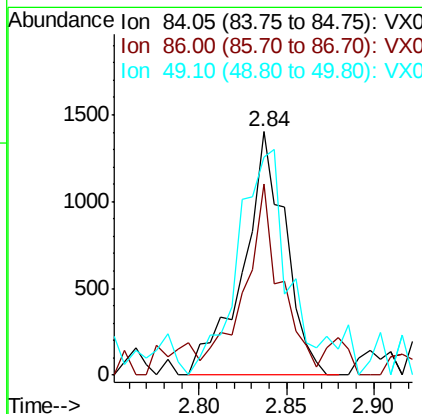
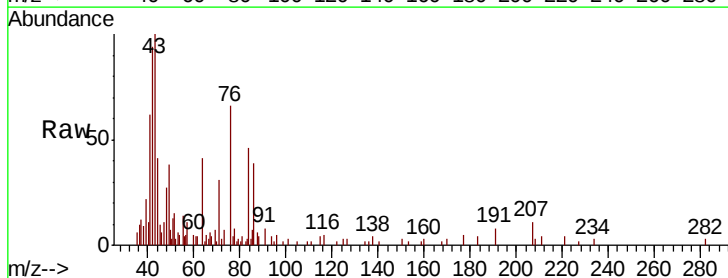
Instrument :
MSVOA_X
ClientSampled :

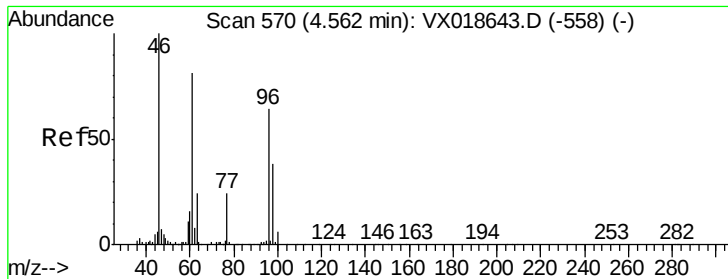
Tot Ion: 43 Resp: 870
Ion Ratio Lower Upper
43 100
74 39.4 21.2 31.8#



#16
Methylene chloride
Concen: 0.112 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018646.D
Acq: 29 Sep 2020 10:35

Tgt Ion: 84 Resp: 2358
Ion Ratio Lower Upper
84 100
86 78.4 41.9 77.7#
49 89.7 80.8 150.2



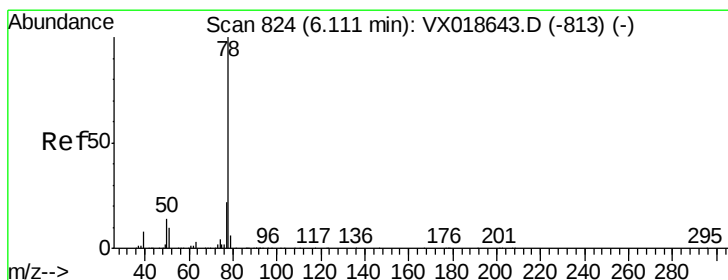
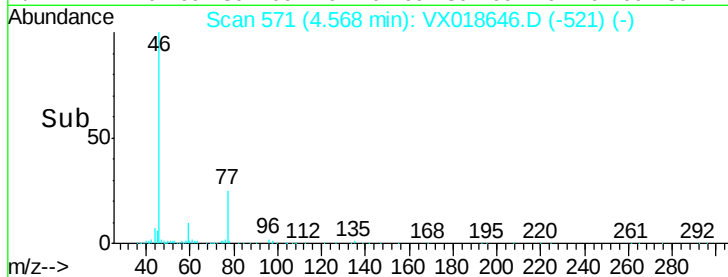
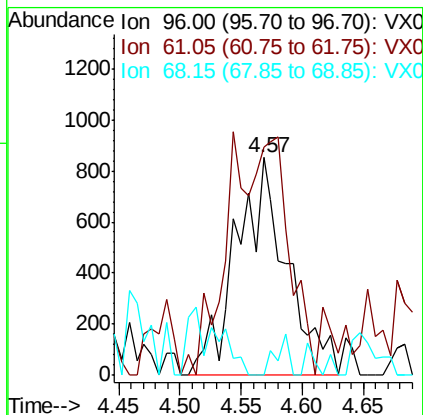
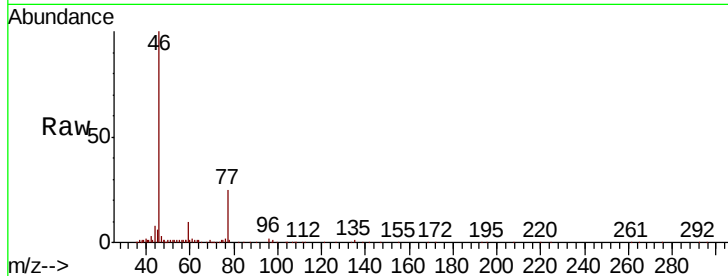


#22

cis-1,2-Dichloroethene
 Concen: 0.152 ug/L
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX018646.D
 Acq: 29 Sep 2020 10:35

Instrument :
 MSVOA_X
 ClientSampled :

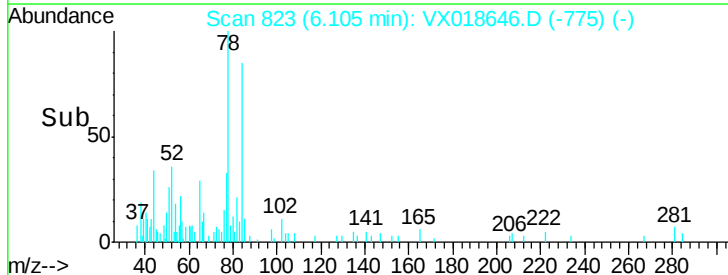
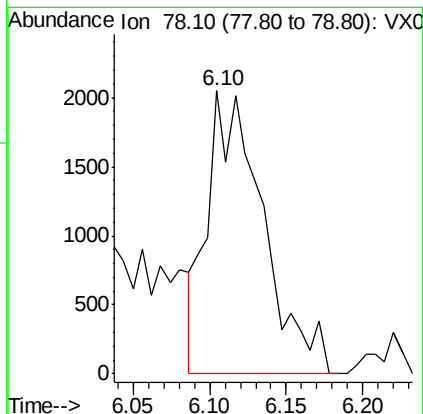
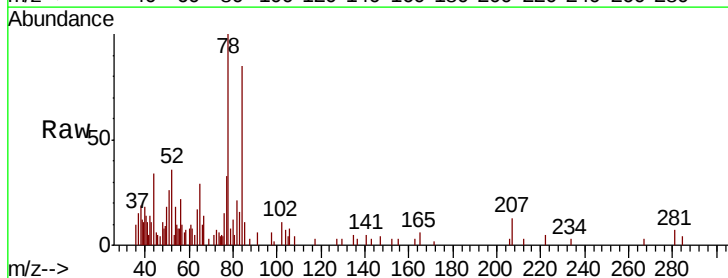
Tot Ion: 96 Resp: 2442
 Ion Ratio Lower Upper
 96 100
 61 104.9 87.7 162.9
 68 0.0 0.3 0.7#

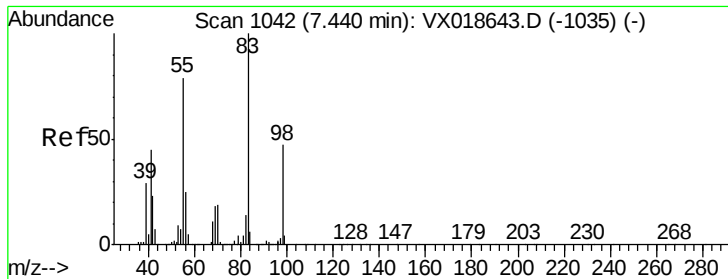


#33

Benzene
 Concen: 0.090 ug/L
 RT: 6.10 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VX018646.D
 Acq: 29 Sep 2020 10:35

Tgt Ion: 78 Resp: 5150

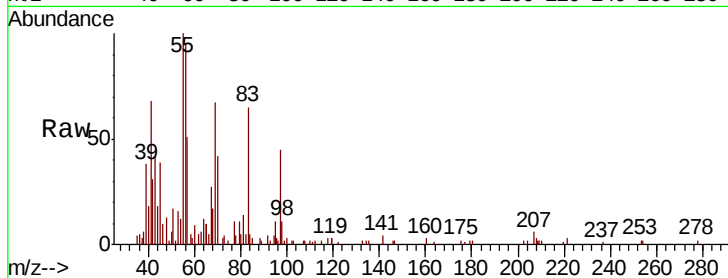




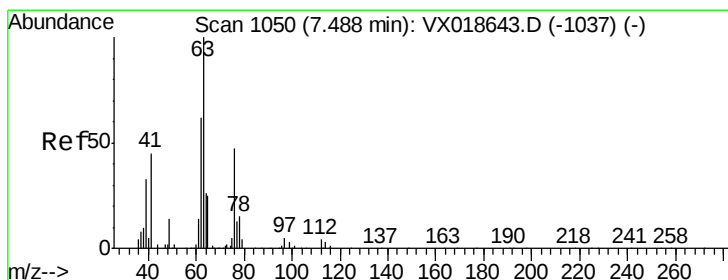
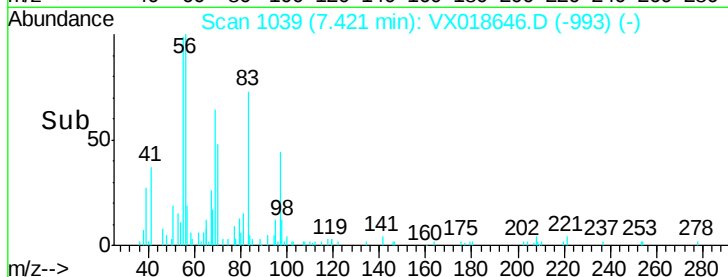
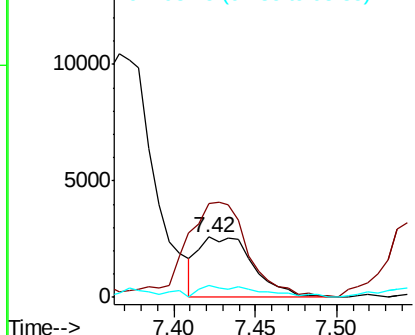
#35
Methvlcvclohexane
Concen: 0.263 ug/L
RT: 7.42 min Scan# 1039
Delta R.T. -0.02 min
Lab File: VX018646.D
Acq: 29 Sep 2020 10:35

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 83 Resp: 6031
Ion Ratio Lower Upper
83 100
55 182.5 67.4 101.0#
98 9.4 41.1 61.7#

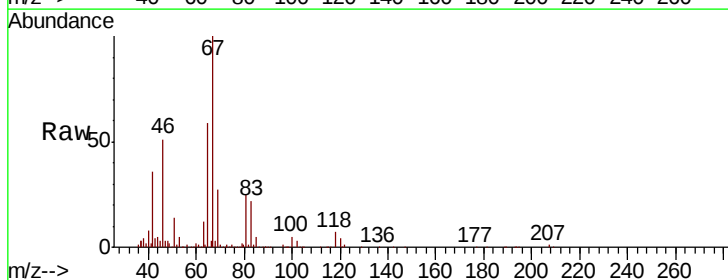


Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

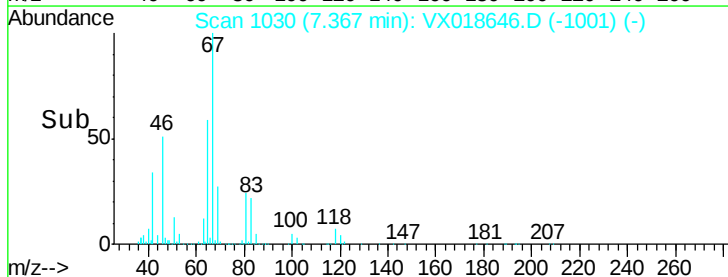
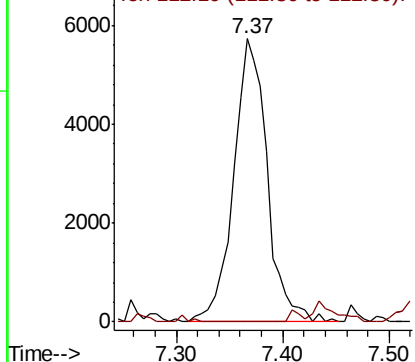


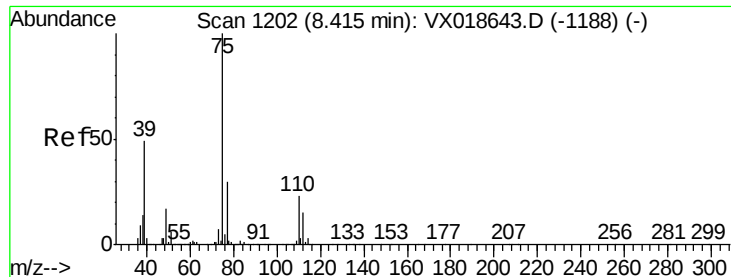
#37
1,2-Dichloropropane
Concen: 0.832 ug/L
RT: 7.37 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VX018646.D
Acq: 29 Sep 2020 10:35

Tgt Ion: 63 Resp: 12650
Ion Ratio Lower Upper
63 100
112 1.4 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VX0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.187 ug/L

RT: 8.37 min Scan# 1195

Delta R.T. -0.04 min

Lab File: VX018646.D

Acq: 29 Sep 2020 10:35

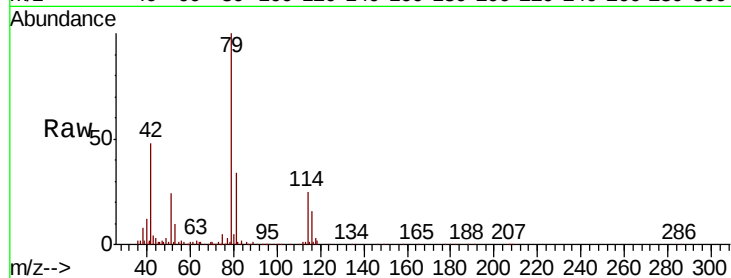
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 4041

Ion Ratio Lower Upper

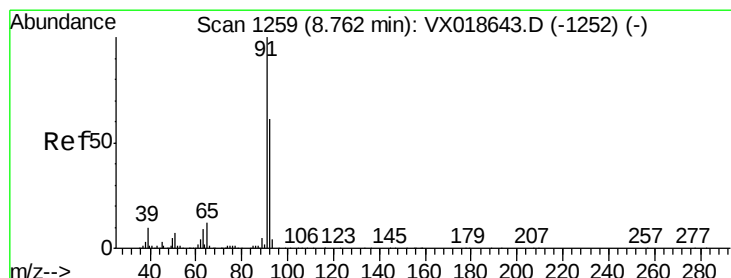
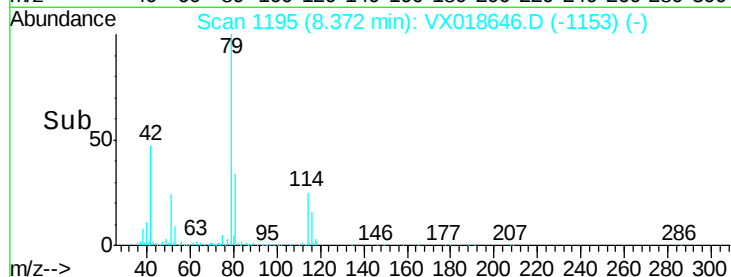
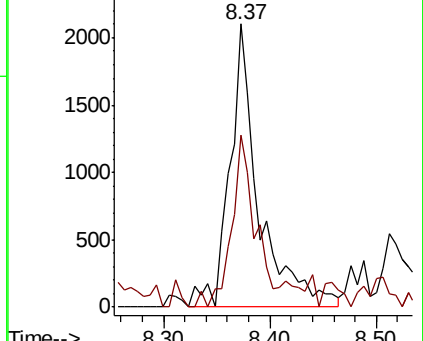
75 100

77 61.0 23.0 42.8#



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0



#42

Toluene

Concen: 0.155 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018646.D

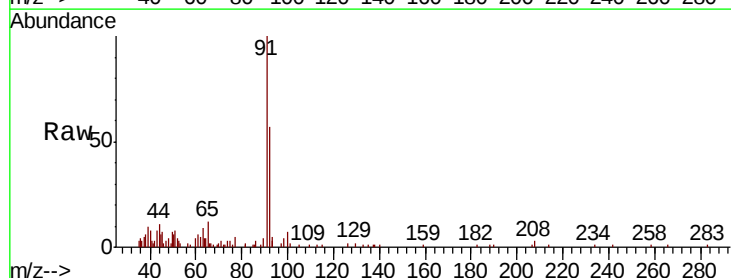
Acq: 29 Sep 2020 10:35

Tgt Ion: 91 Resp: 9528

Ion Ratio Lower Upper

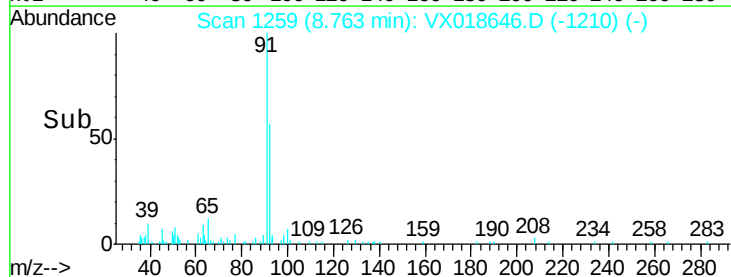
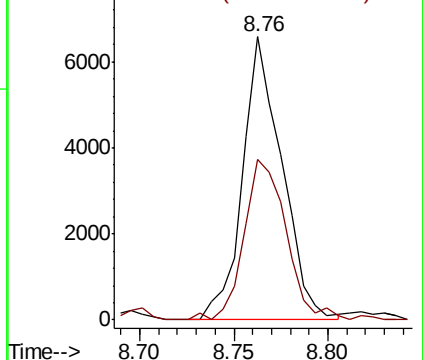
91 100

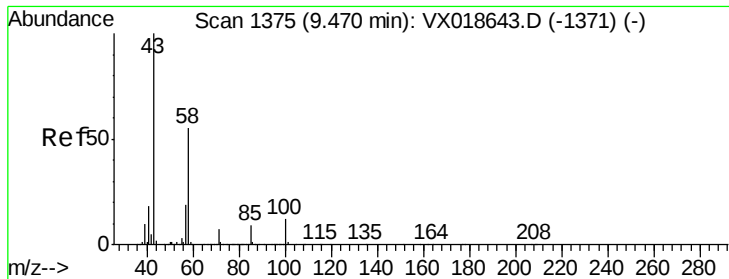
92 56.6 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0

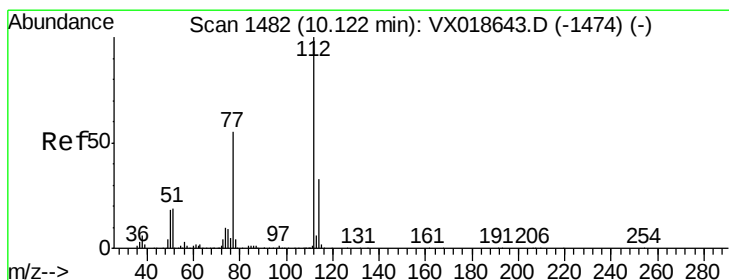
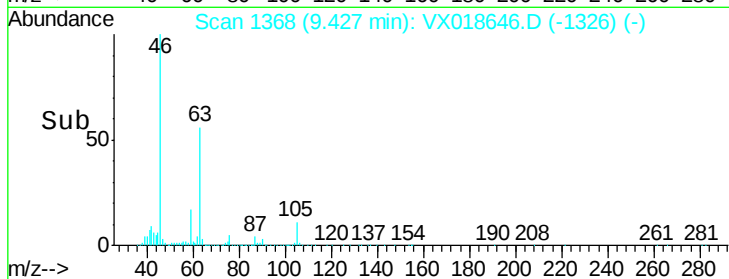
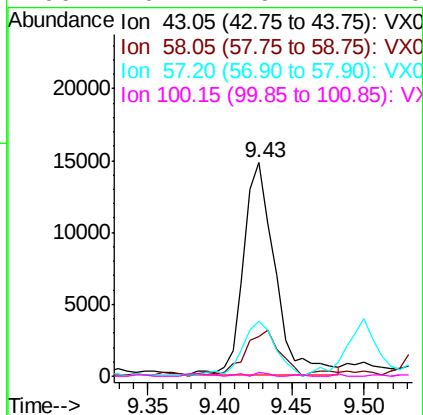
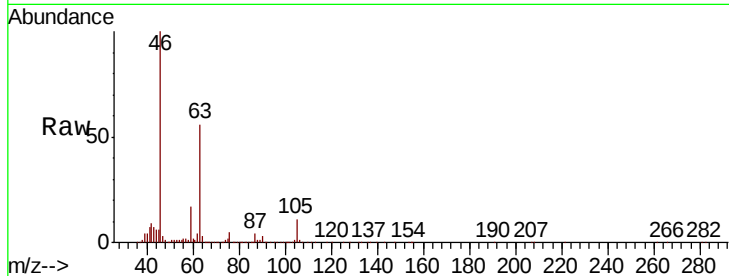




#50
2-Hexanone
Concen: 3.758 ug/L
RT: 9.43 min Scan# 1368
Delta R.T. -0.04 min
Lab File: VX018646.D
Acq: 29 Sep 2020 10:35

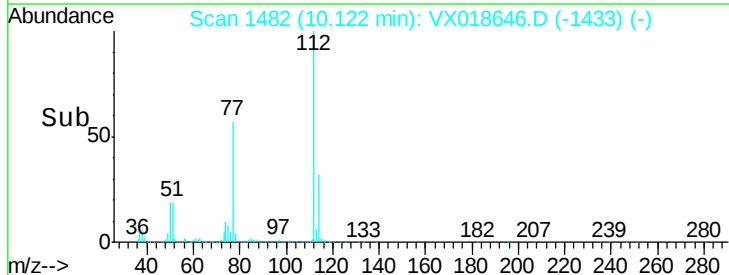
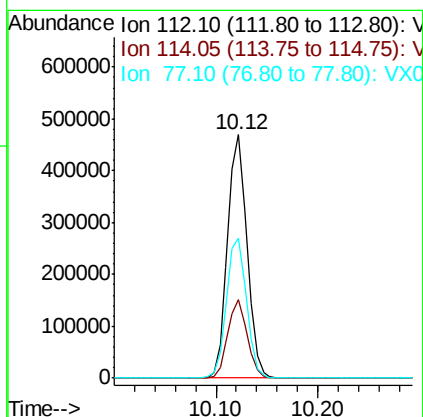
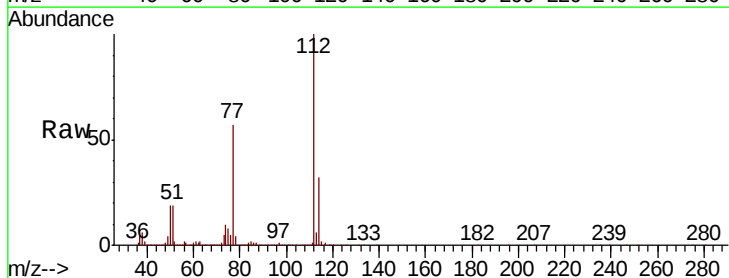
Instrument :
MSVOA_X
ClientSampleId :

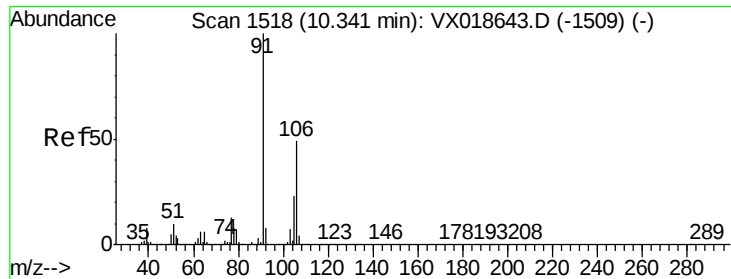
Tot Ion:	43	Resp:	22407
Ion	Ratio	Lower	Upper
43	100		
58	24.5	42.5	63.7#
57	27.7	15.9	23.9#
100	0.7	9.4	14.0#



#53
Chlorobenzene
Concen: 15.270 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018646.D
Acq: 29 Sep 2020 10:35

Tgt Ion:	112	Resp:	620661
Ion	Ratio	Lower	Upper
112	100		
114	32.0	20.6	38.4
77	57.2	46.6	69.8





#55

m,p-xylene

Concen: 0.083 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018646.D

Acq: 29 Sep 2020 10:35

Instrument :

MSVOA_X

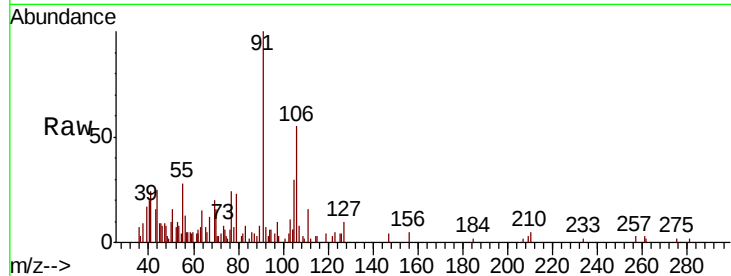
ClientSampleId :

Tot Ion:106 Resp: 2131

Ion Ratio Lower Upper

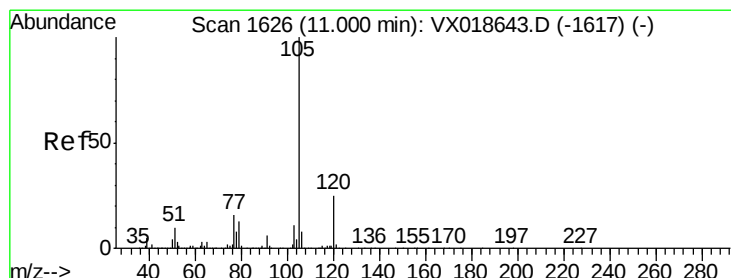
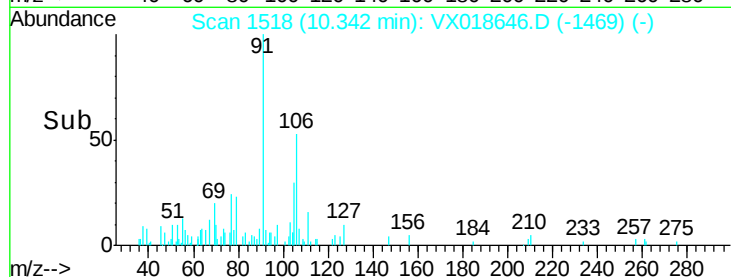
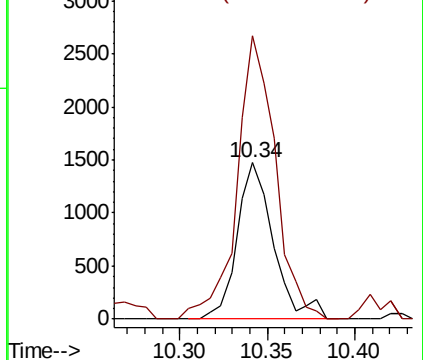
106 100

91 180.8 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#58

Isopropylbenzene

Concen: 0.173 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018646.D

Acq: 29 Sep 2020 10:35

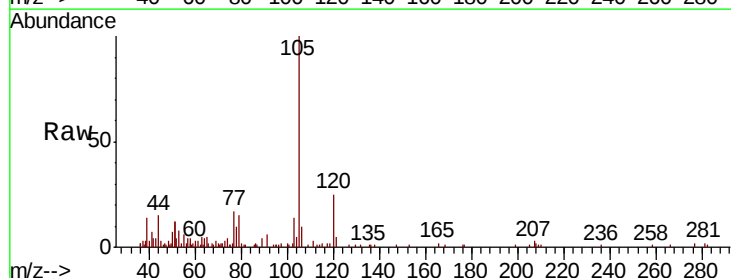
Tgt Ion:105 Resp: 11206

Ion Ratio Lower Upper

105 100

120 26.0 21.2 31.8

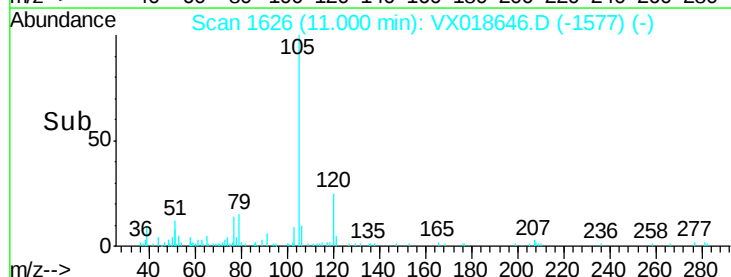
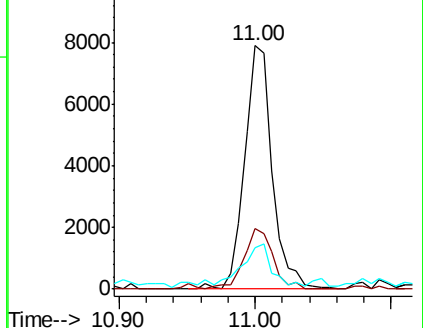
77 18.7 13.3 19.9

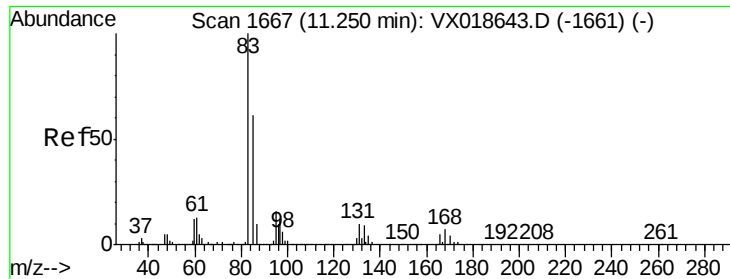


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VX0





#60

1,1,2,2-Tetrachloroethane

Concen: 0.088 ug/L

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX018646.D

Acq: 29 Sep 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

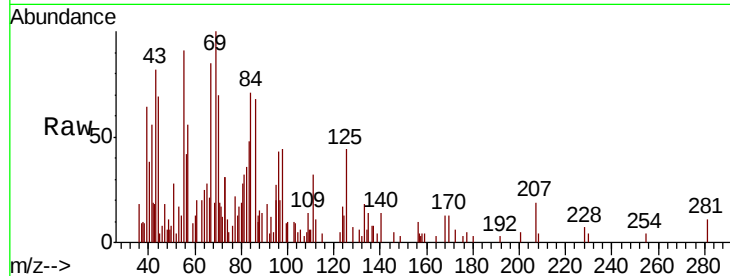
Tot Ion: 83 Resp: 1083

Ion Ratio Lower Upper

83 100

85 0.0 48.5 90.1#

131 12.4 7.8 11.6#

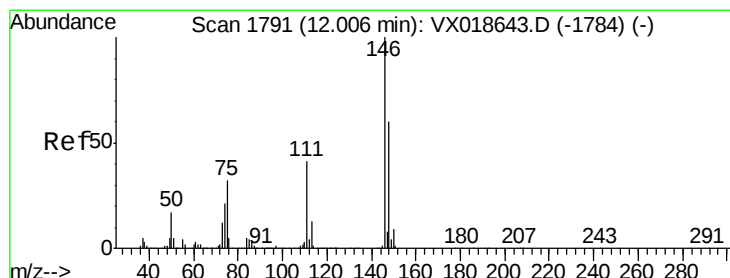
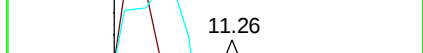
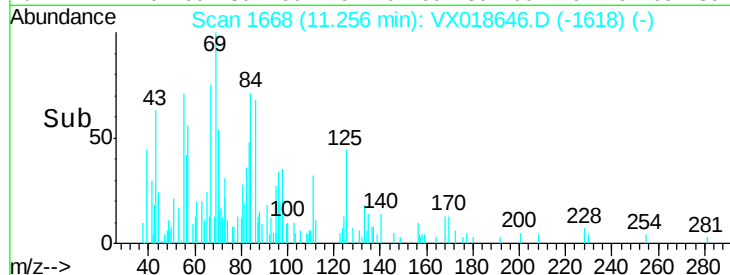


Abundance Ion 82.95 (82.65 to 83.65): VX018646.D (-1661) (-)

Ion 85.00 (84.70 to 85.70): VX018646.D (-1661) (-)

Ion 130.95 (130.65 to 131.65): VX018646.D (-1661) (-)

Time-->



#63

1,3-Dichlorobenzene

Concen: 0.215 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX018646.D

Acq: 29 Sep 2020 10:35

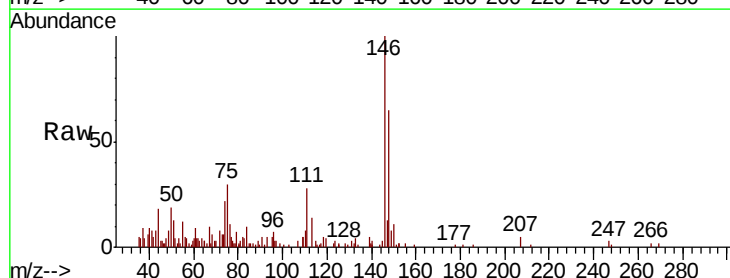
Tgt Ion: 146 Resp: 6855

Ion Ratio Lower Upper

146 100

111 27.7 26.7 49.7

148 64.7 44.4 82.5

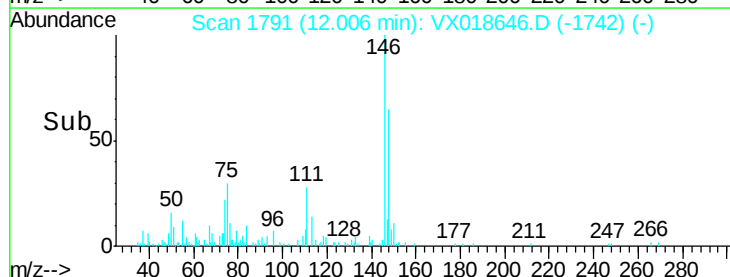


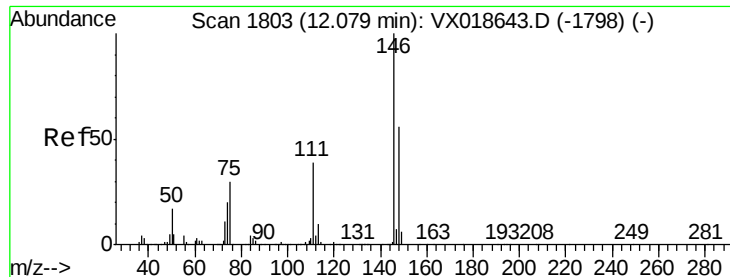
Abundance Ion 145.95 (145.65 to 146.65): VX018646.D (-1784) (-)

Ion 111.00 (110.70 to 111.70): VX018646.D (-1784) (-)

Ion 148.00 (147.70 to 148.70): VX018646.D (-1784) (-)

Time-->





#64

1,4-Dichlorobenzene

Concen: 3.503 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX018646.D

Acq: 29 Sep 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

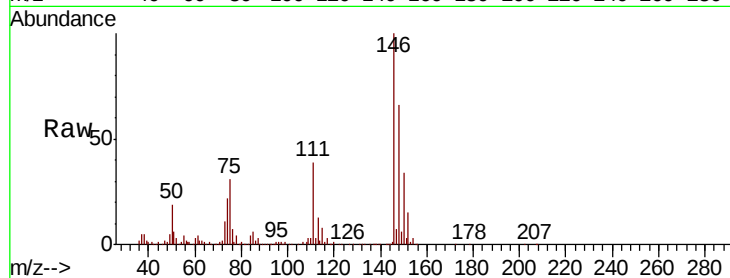
Tot Ion:146 Resp: 113038

Ion Ratio Lower Upper

146 100

111 39.0 28.8 53.4

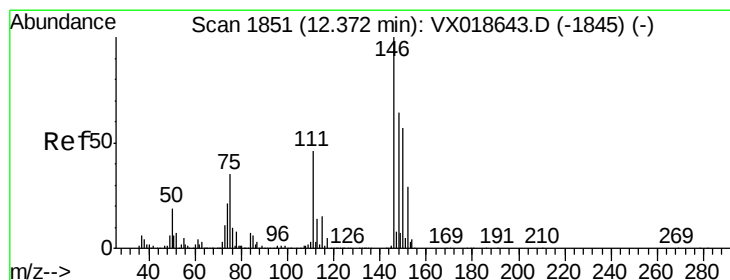
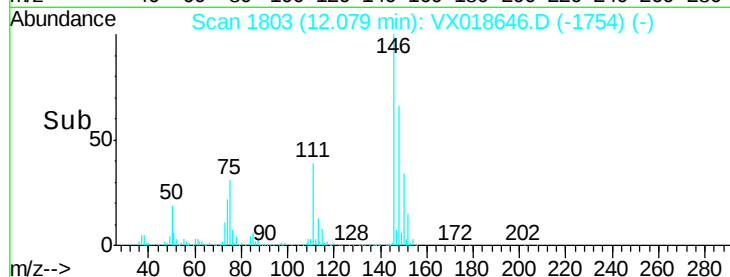
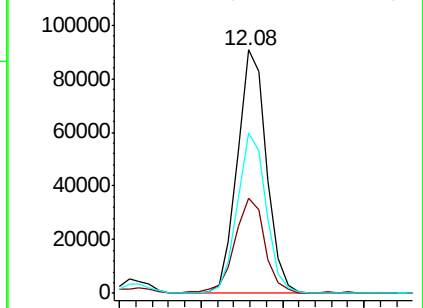
148 65.9 44.9 83.3



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



#66

1,2-Dichlorobenzene

Concen: 0.577 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX018646.D

Acq: 29 Sep 2020 10:35

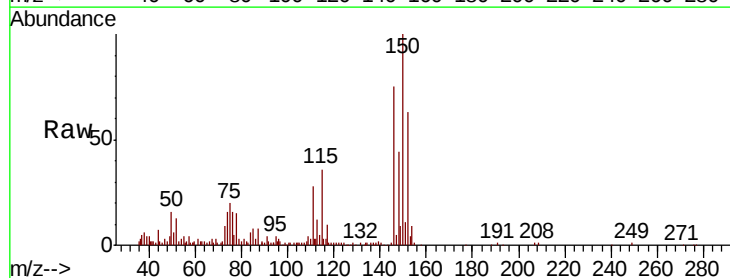
Tgt Ion:146 Resp: 17170

Ion Ratio Lower Upper

146 100

111 37.9 33.6 50.4

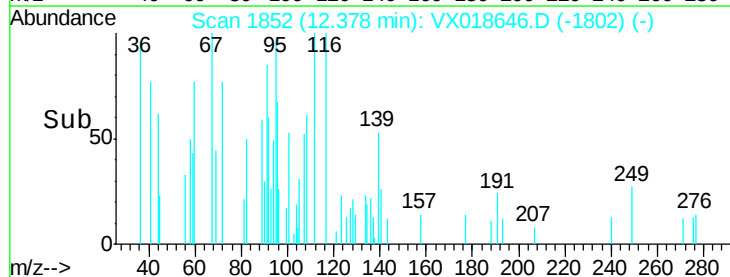
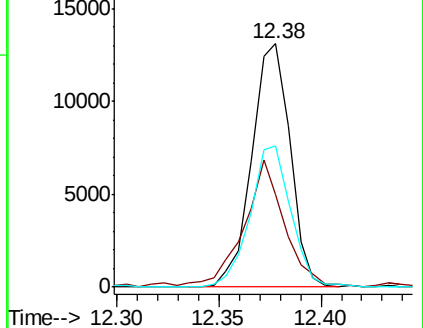
148 58.2 53.4 80.2

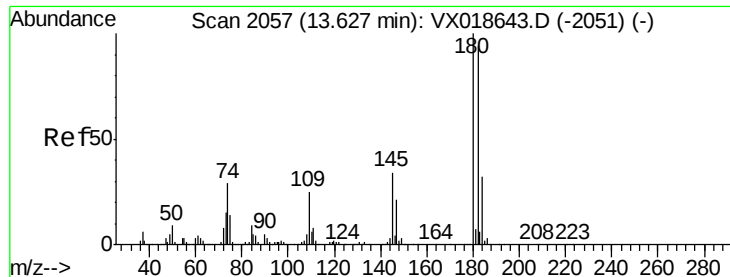


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#69

1,2,4-trichlorobenzene

Concen: 0.086 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX018646.D

Acq: 29 Sep 2020 10:35

Instrument :

MSVOA_X

ClientSampled :

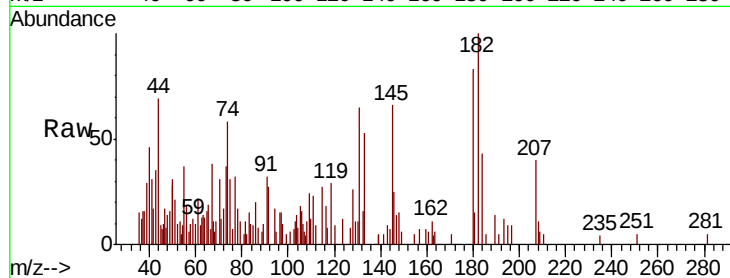
Tot Ion:180 Resp: 1682

Ion Ratio Lower Upper

180 100

182 99.5 74.6 112.0

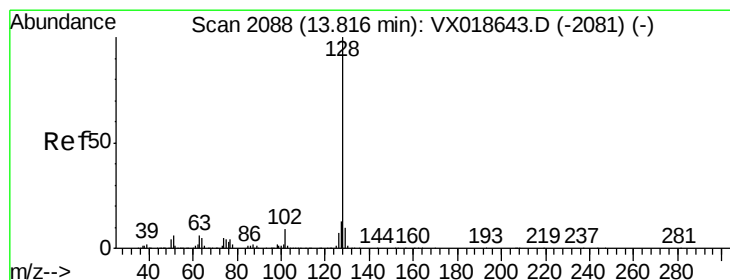
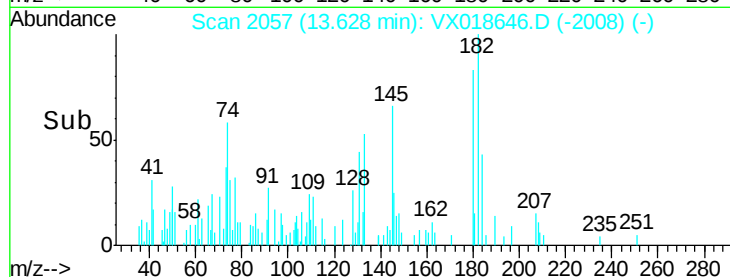
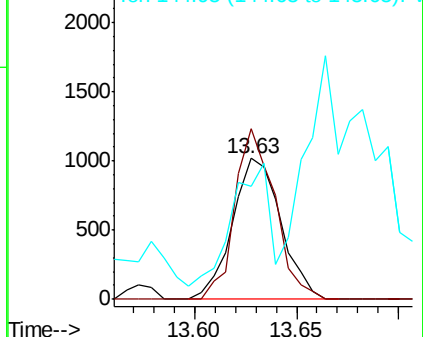
145 69.1 25.0 37.6#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#70

Naphthalene

Concen: 0.095 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018646.D

Acq: 29 Sep 2020 10:35

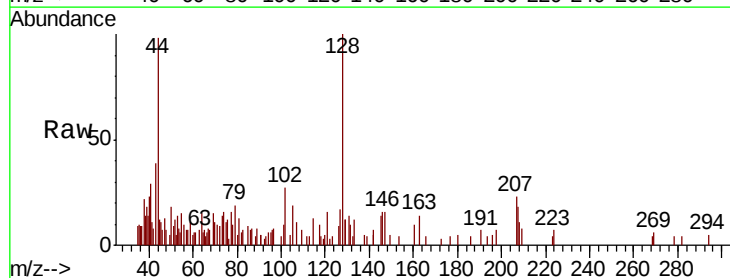
Tgt Ion:128 Resp: 3166

Ion Ratio Lower Upper

128 100

129 5.4 8.8 13.2#

127 22.3 10.7 16.1#



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

