

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100120\
 Data File : VX018729.D
 Acq On : 01 Oct 2020 17:46
 Operator : JC/SP
 Sample : VX0930WBL01
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 09:01:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 08:54:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	215345	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	208192	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	94817	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	63742	5.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	113.20%
7) Chloroethane-d5	1.70	69	49193	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.34	63	109233	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.80%
20) 2-Butanone-d5	4.56	46	161644	56.25	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.50%
24) Chloroform-d	5.14	84	137324	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	6.03	65	85205	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
32) Benzene-d6	6.05	84	242779	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	7.37	67	69769	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	8.70	98	230515	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
45) trans-1,3-Dichloropropene-	8.99	79	34447	5.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.80%
48) 2-Hexanone-d5	9.43	63	126198	54.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.22%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	54233	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	89553	5.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	1.65	94	1160	0.166	ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.34	101	1310	0.118	ug/L #	25
12) 1,1-Dichloroethene	2.34	96	1682	0.160	ug/L #	1
14) Carbon disulfide	2.55	76	3539	0.111	ug/L #	85
16) Methylene chloride	2.84	84	5509	0.384	ug/L	94
35) Methylcyclohexane	7.37	83	19647	1.216	ug/L #	16
37) 1,2-Dichloropropane	7.37	63	10428	0.974	ug/L #	86
39) cis-1,3-Dichloropropene	8.37	75	3411	0.225	ug/L #	68
46) trans-1,3-Dichloropropene	8.99	75	2552	0.184	ug/L	89
63) 1,3-Dichlorobenzene	12.01	146	1583	0.077	ug/L #	82
64) 1,4-Dichlorobenzene	12.09	146	1476	0.071	ug/L #	80
66) 1,2-Dichlorobenzene	12.37	146	1533	0.080	ug/L #	69
68) 1,3,5-Trichlorobenzene	13.15	180	1575	0.102	ug/L #	92
69) 1,2,4-trichlorobenzene	13.63	180	2066	0.163	ug/L #	91
70) Naphthalene	13.82	128	2649	0.124	ug/L #	97
71) 1,2,3-Trichlorobenzene	14.01	180	1569	0.137	ug/L	85

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ClientSampleId :

Quant Time: Oct 02 09:01:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 02 08:54:14 2020
Response via : Initial Calibration

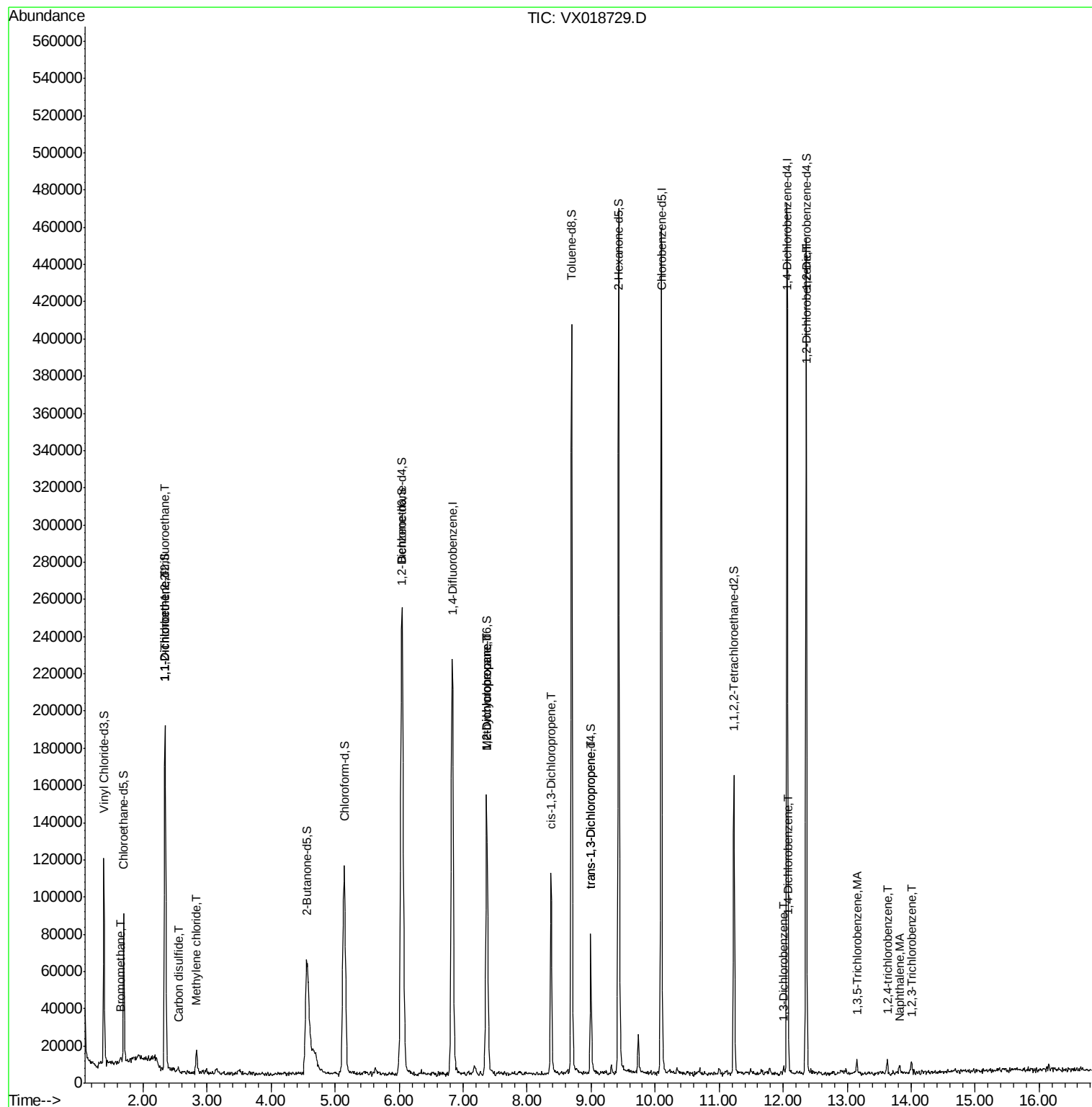
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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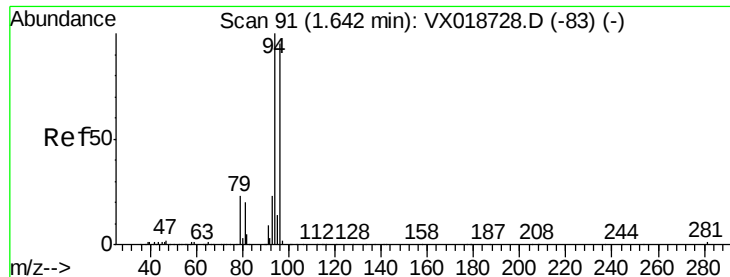
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.166 ug/L

RT: 1.65 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX018729.D

Acq: 01 Oct 2020 17:46

Instrument :

MSVOA_X

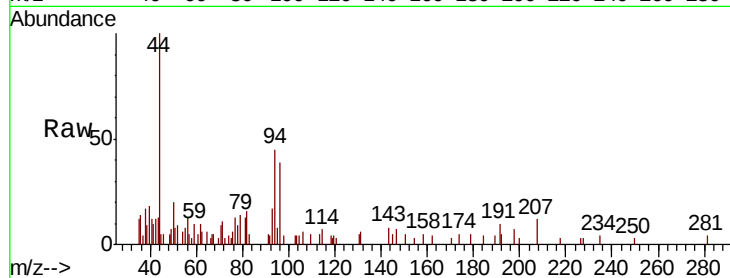
ClientSampled :

Tot Ion: 94 Resp: 1160

Ion Ratio Lower Upper

94 100

96 86.8 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.65

800

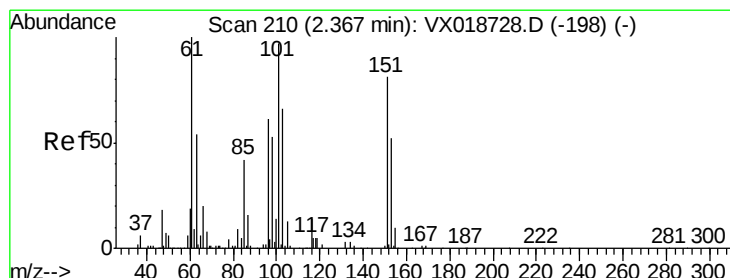
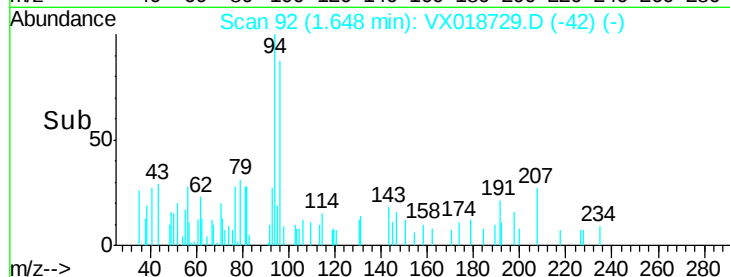
600

400

200

0

Time-->



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.118 ug/L

RT: 2.34 min Scan# 205

Delta R.T. -0.03 min

Lab File: VX018729.D

Acq: 01 Oct 2020 17:46

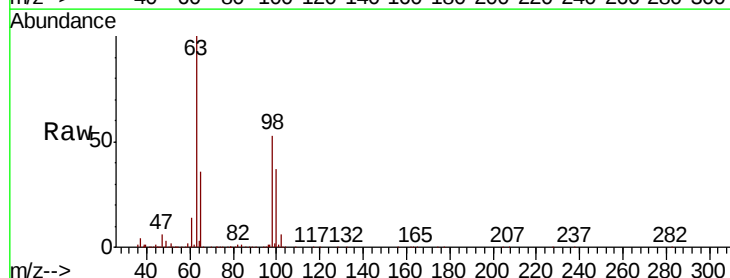
Tgt Ion: 101 Resp: 1310

Ion Ratio Lower Upper

101 100

85 8.1 36.1 54.1#

151 5.4 65.5 98.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V

800

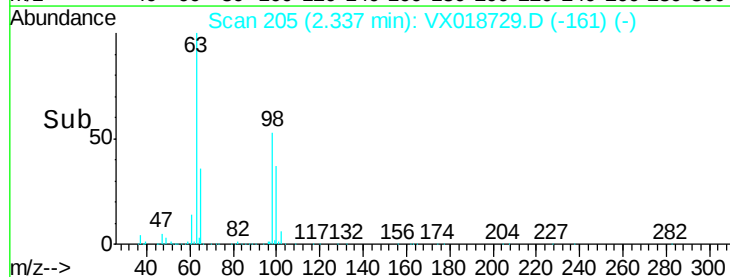
600

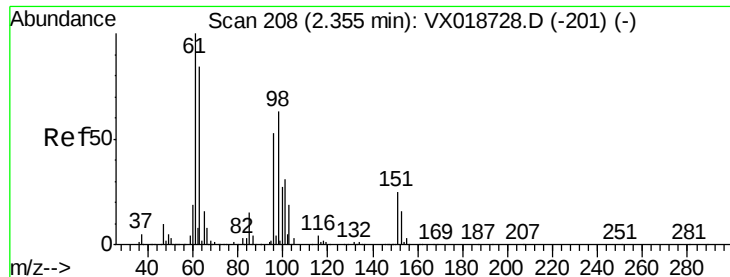
400

200

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.160 ug/L

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX018729.D

Acq: 01 Oct 2020 17:46

Instrument :

MSVOA_X

ClientSampleId :

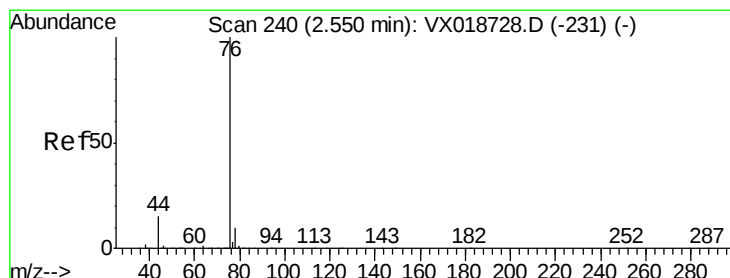
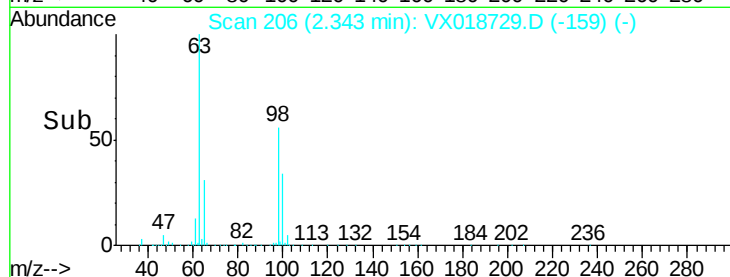
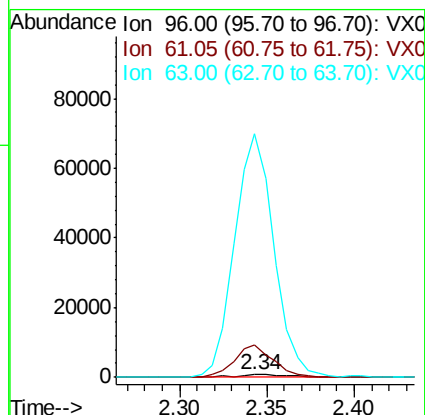
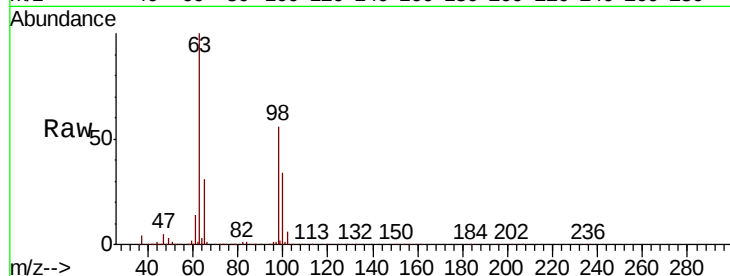
Tot Ion: 96 Resp: 1682

Ion Ratio Lower Upper

96 100

61 1316.6 123.8 229.8#

63 9720.2 104.7 194.4#



#14

Carbon disulfide

Concen: 0.111 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018729.D

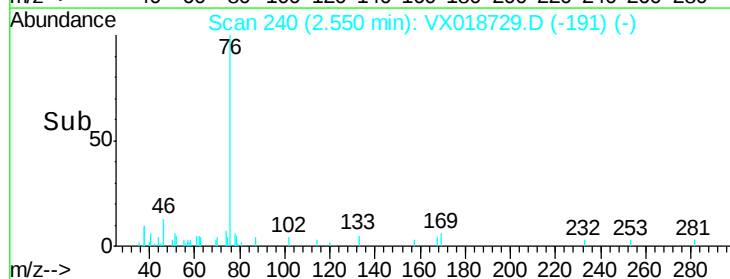
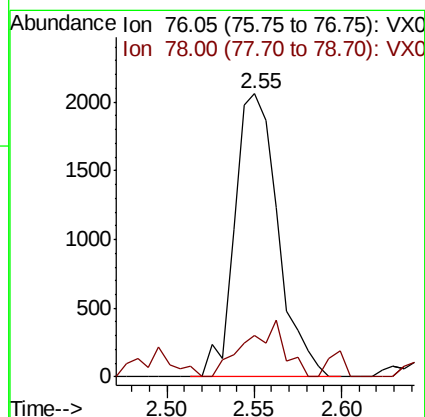
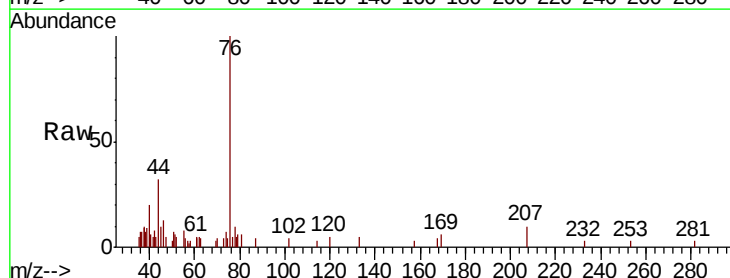
Acq: 01 Oct 2020 17:46

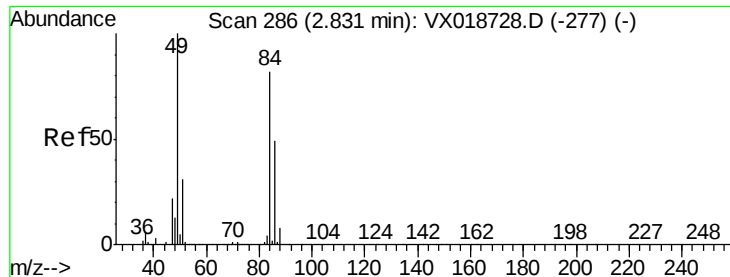
Tgt Ion: 76 Resp: 3539

Ion Ratio Lower Upper

76 100

78 14.7 7.4 11.0#

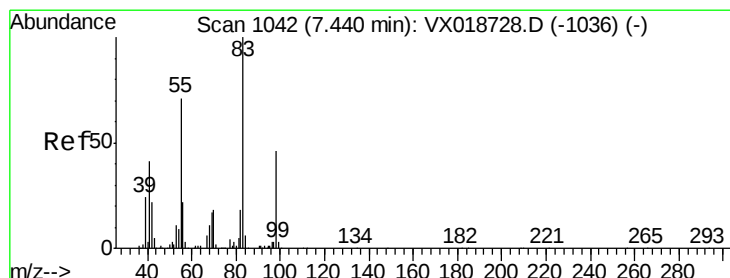
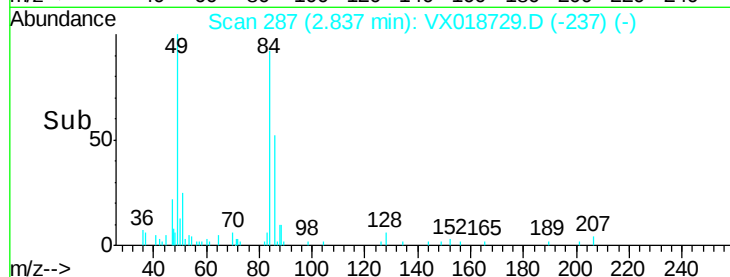
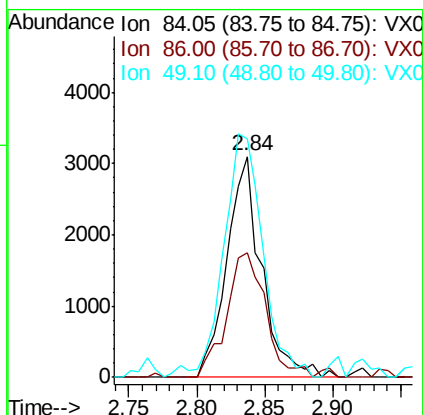
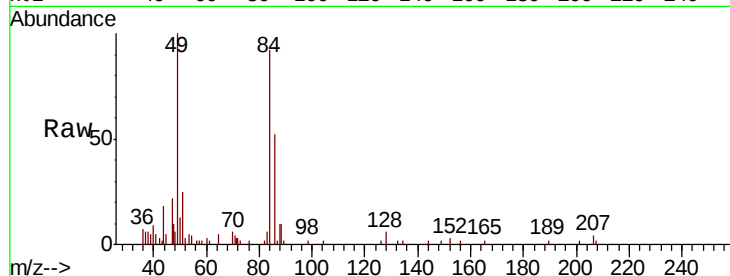




#16
Methvlene chloride
Concen: 0.384 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018729.D
Acq: 01 Oct 2020 17:46

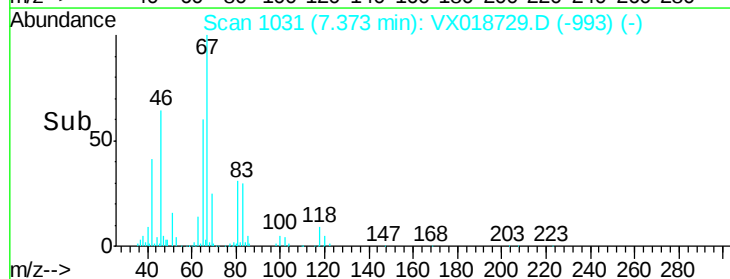
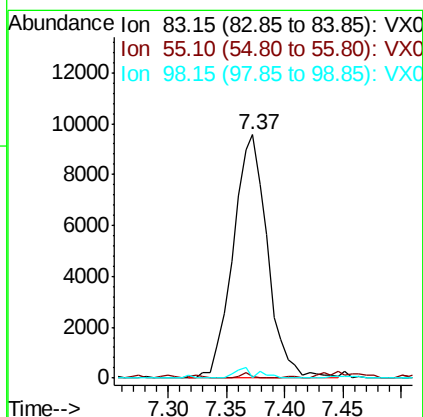
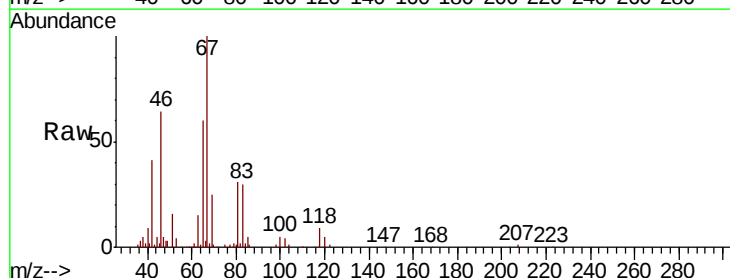
Instrument :
MSVOA_X
ClientSampleId :

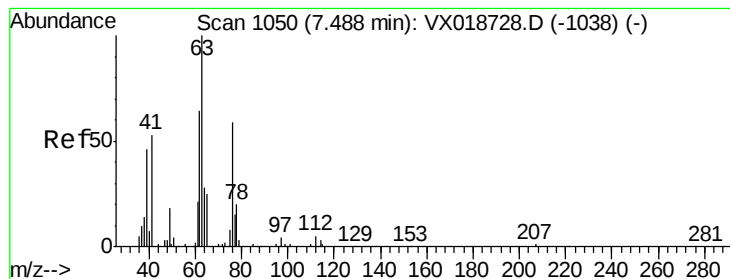
Tot Ion: 84 Resp: 5509
Ion Ratio Lower Upper
84 100
86 56.3 41.9 77.7
49 108.1 80.8 150.2



#35
Methylcyclohexane
Concen: 1.216 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.07 min
Lab File: VX018729.D
Acq: 01 Oct 2020 17:46

Tgt Ion: 83 Resp: 19647
Ion Ratio Lower Upper
83 100
55 0.6 67.4 101.0#
98 2.7 41.1 61.7#





#37

1,2-Dichloropropane

Concen: 0.974 ug/L

RT: 7.37 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VX018729.D

Acq: 01 Oct 2020 17:46

Instrument :

MSVOA_X

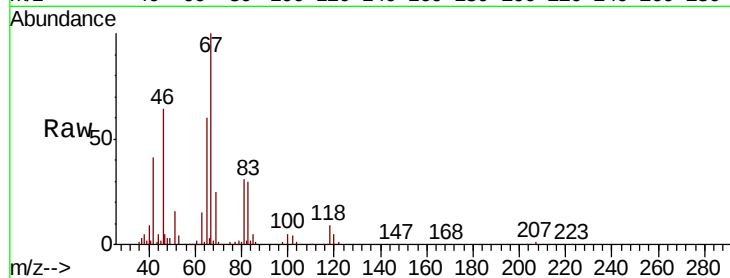
ClientSampled :

Tot Ion: 63 Resp: 10428

Ion Ratio Lower Upper

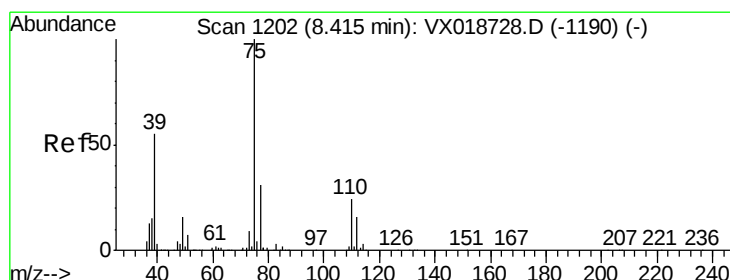
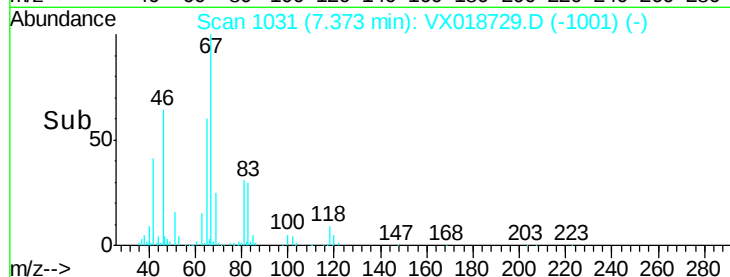
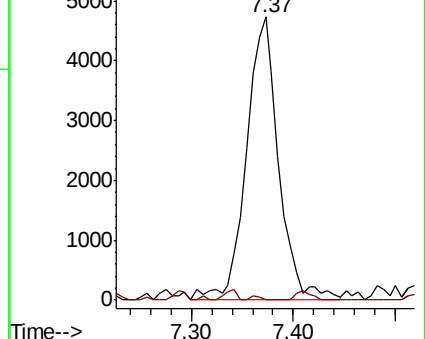
63 100

112 0.5 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: 0.225 ug/L

RT: 8.37 min Scan# 1195

Delta R.T. -0.04 min

Lab File: VX018729.D

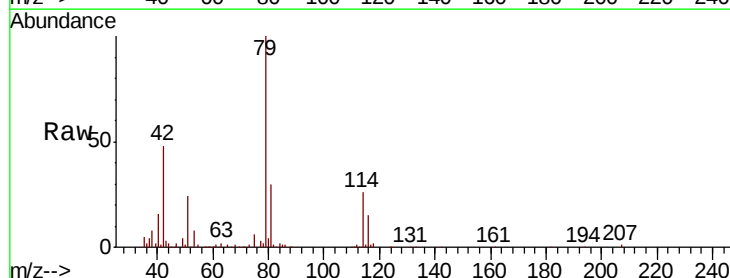
Acq: 01 Oct 2020 17:46

Tgt Ion: 75 Resp: 3411

Ion Ratio Lower Upper

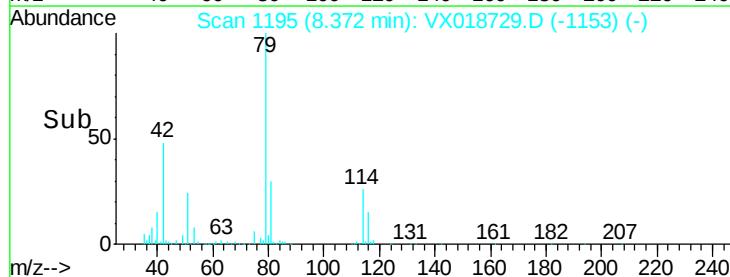
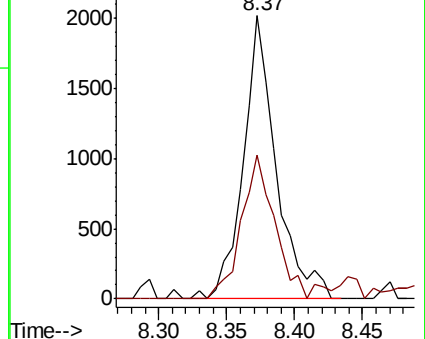
75 100

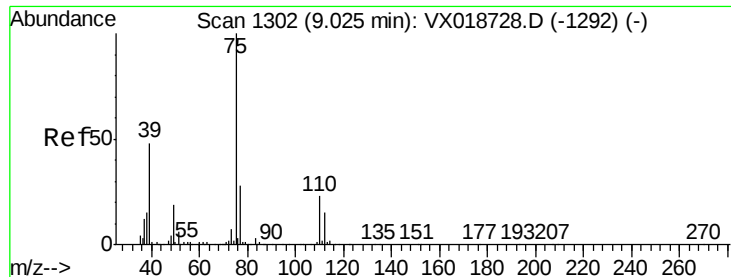
77 50.8 23.0 42.8#



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0





#46

trans-1,3-Dichloropropene

Concen: 0.184 ug/L

RT: 8.99 min Scan# 1297

Delta R.T. -0.03 min

Lab File: VX018729.D

Acq: 01 Oct 2020 17:46

Instrument :

MSVOA_X

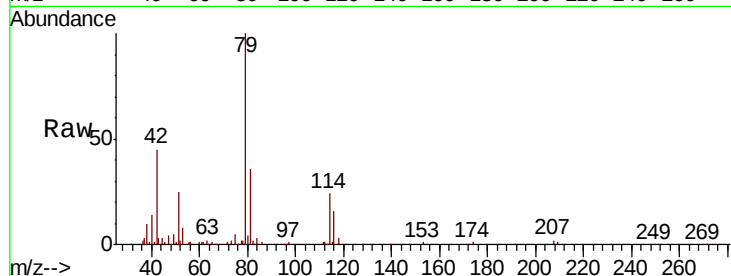
ClientSampleId :

Tot Ion: 75 Resp: 2552

Ion Ratio Lower Upper

75 100

77 36.4 21.2 39.4



Abundance Ion 75.05 (74.75 to 75.75): VX018728.D (-1292) (-)

Ion 77.05 (76.75 to 77.75): VX018728.D (-1292) (-)

8.99

1200

1000

800

600

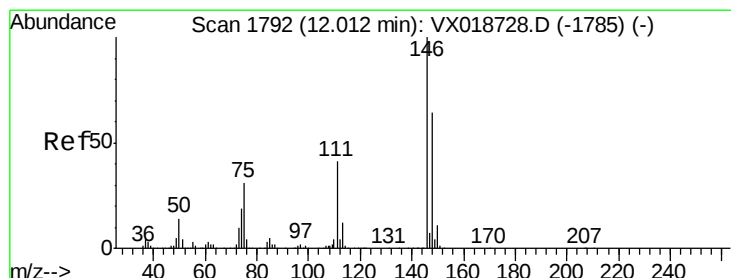
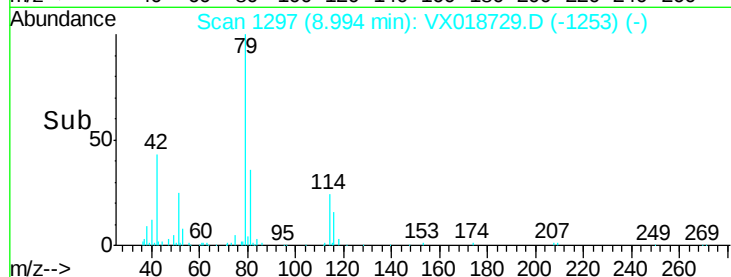
400

200

0

8.95 9.00 9.05

Time-->



#63

1,3-Dichlorobenzene

Concen: 0.077 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX018729.D

Acq: 01 Oct 2020 17:46

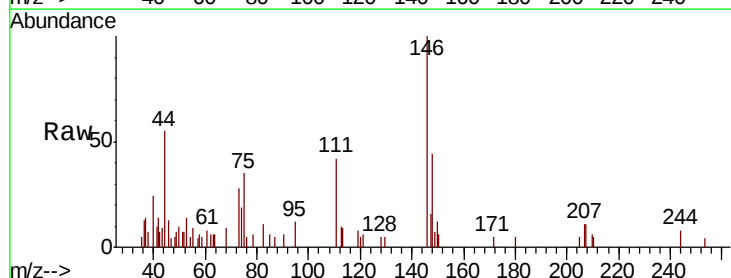
Tgt Ion: 146 Resp: 1583

Ion Ratio Lower Upper

146 100

111 42.1 26.7 49.7

148 44.4 44.4 82.5#



Abundance Ion 145.95 (145.65 to 146.65): VX018728.D (-1785) (-)

Ion 111.00 (110.70 to 111.70): VX018728.D (-1785) (-)

Ion 148.00 (147.70 to 148.70): VX018728.D (-1785) (-)

1500

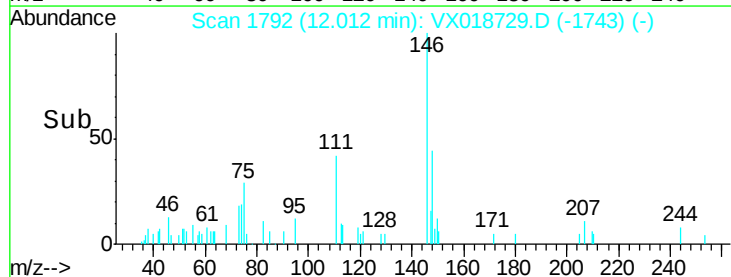
1000

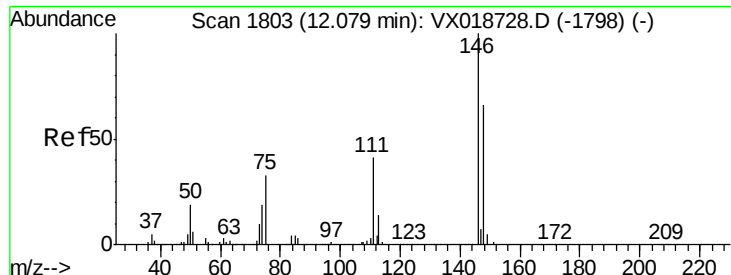
500

0

11.95 12.00 12.05

Time-->

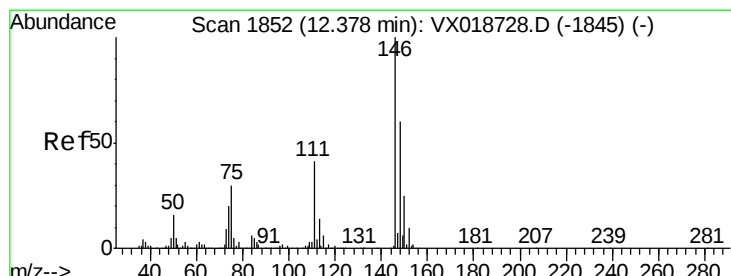
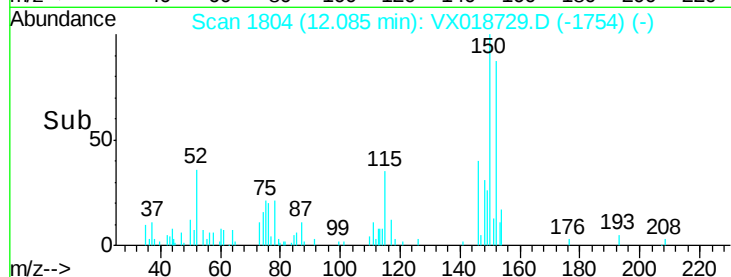
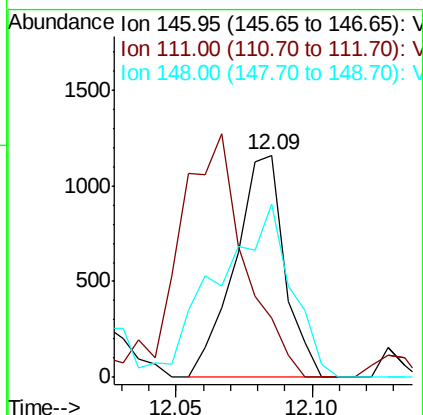
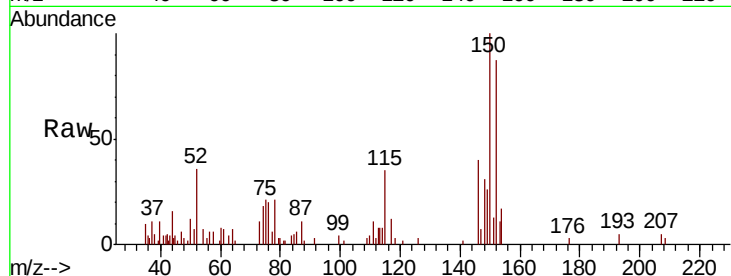




#64
 1,4-Dichlorobenzene
 Concen: 0.071 ug/L
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX018729.D
 Acq: 01 Oct 2020 17:46

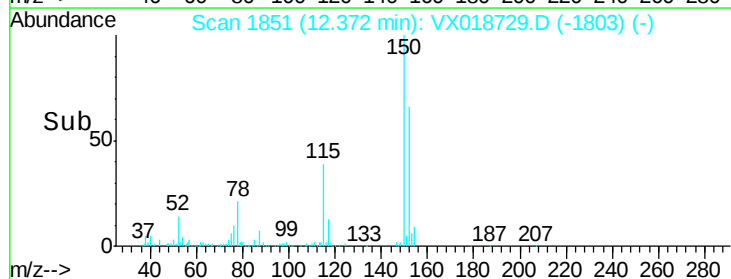
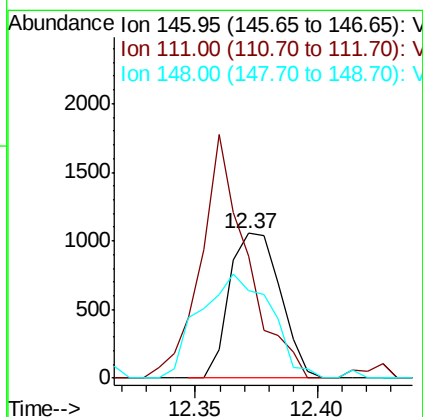
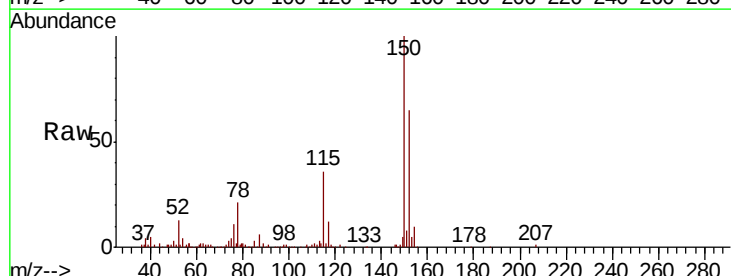
Instrument :
 MSVOA_X
 ClientSampleId :

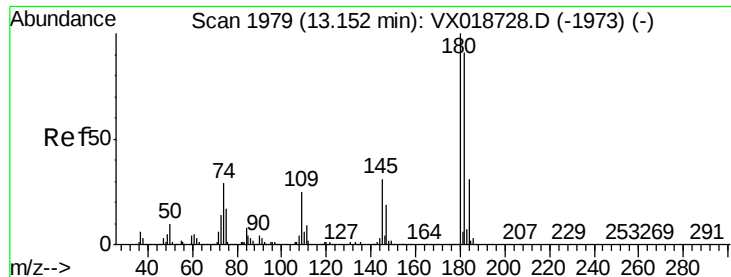
Tot Ion:146 Resp: 1476
 Ion Ratio Lower Upper
 146 100
 111 26.8 28.8 53.4#
 148 77.8 44.9 83.3



#66
 1,2-Dichlorobenzene
 Concen: 0.080 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX018729.D
 Acq: 01 Oct 2020 17:46

Tgt Ion:146 Resp: 1533
 Ion Ratio Lower Upper
 146 100
 111 84.7 33.6 50.4#
 148 60.8 53.4 80.2

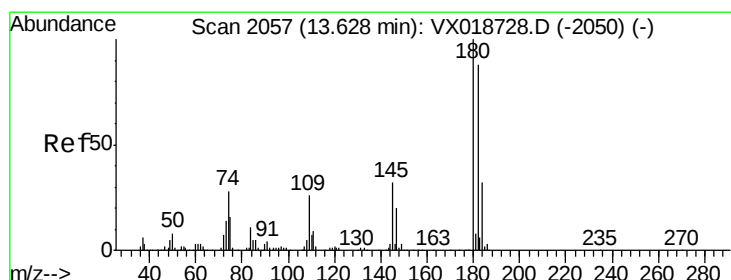
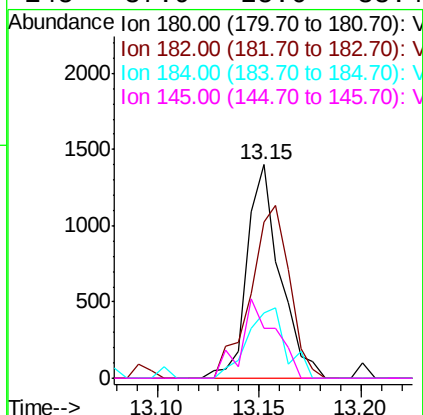
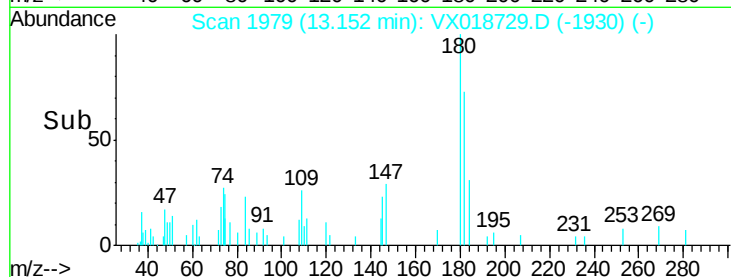
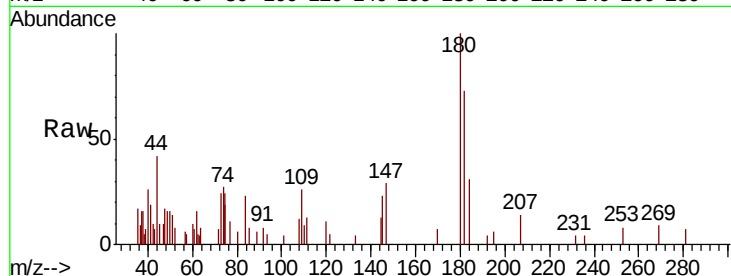




#68
 1,3,5-Trichlorobenzene
 Concen: 0.102 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX018729.D
 Acq: 01 Oct 2020 17:46

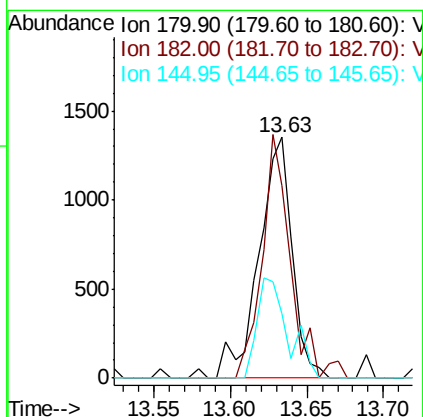
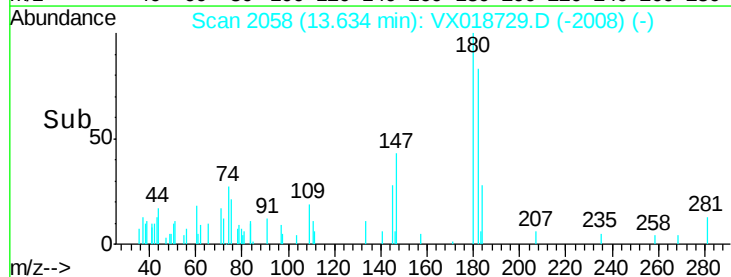
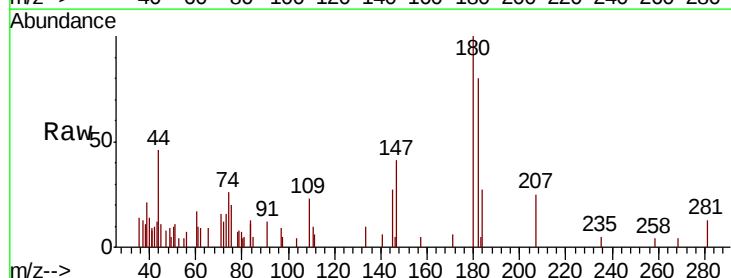
Instrument :
 MSVOA_X
 ClientSampleId :

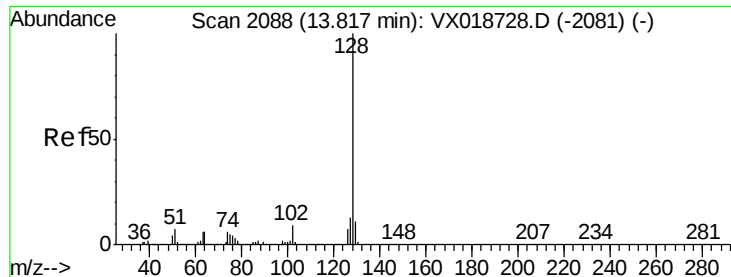
Tot Ion:180 Resp: 1575
 Ion Ratio Lower Upper
 180 100
 182 96.1 72.4 108.6
 184 38.8 25.3 37.9#
 145 37.9 25.6 38.4



#69
 1,2,4-trichlorobenzene
 Concen: 0.163 ug/L
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX018729.D
 Acq: 01 Oct 2020 17:46

Tgt Ion:180 Resp: 2066
 Ion Ratio Lower Upper
 180 100
 182 86.2 74.6 112.0
 145 38.5 25.0 37.6#





#70

Naphthalene

Concen: 0.124 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018729.D

Acq: 01 Oct 2020 17:46

Instrument :

MSVOA_X

ClientSampleId :

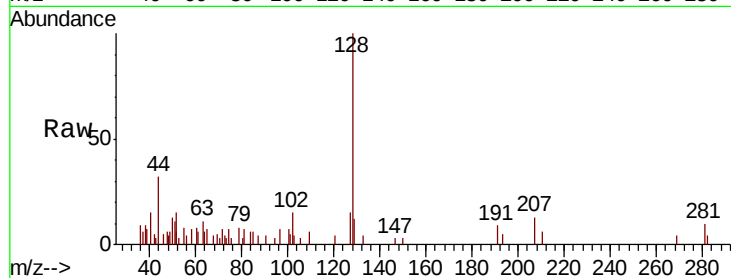
Tot Ion:128 Resp: 2649

Ion Ratio Lower Upper

128 100

129 13.6 8.8 13.2#

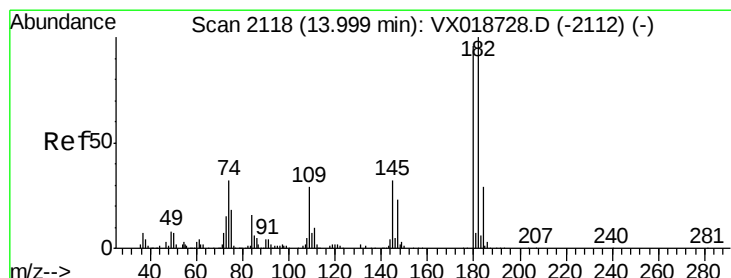
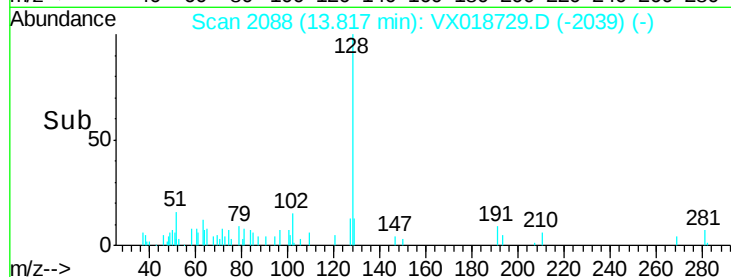
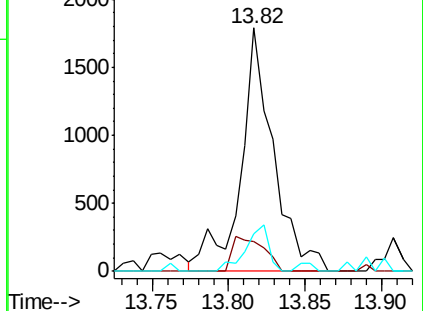
127 13.2 10.7 16.1



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



#71

1,2,3-Trichlorobenzene

Concen: 0.137 ug/L

RT: 14.01 min Scan# 2120

Delta R.T. 0.01 min

Lab File: VX018729.D

Acq: 01 Oct 2020 17:46

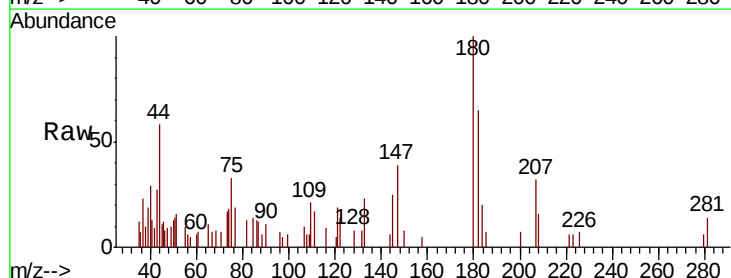
Tgt Ion:180 Resp: 1569

Ion Ratio Lower Upper

180 100

182 112.7 77.7 116.5

145 42.2 28.6 42.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

