

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100120\
 Data File : VX018734.D
 Acq On : 01 Oct 2020 20:28
 Operator : JC/SP
 Sample : L4171-12DL 10X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3T9DL

Quant Time: Oct 02 09:01:43 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	192053	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	182990	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	100552	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	63800	6.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	127.00%
7) Chloroethane-d5	1.70	69	50101	5.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.20%
11) 1,1-Dichloroethene-d2	2.34	63	110113	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.20%
20) 2-Butanone-d5	4.54	46	169214	66.03	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.06%#
24) Chloroform-d	5.14	84	140708	5.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.20%
26) 1,2-Dichloroethane-d4	6.03	65	85569	6.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.40%
32) Benzene-d6	6.05	84	248418	5.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.60%
36) 1,2-Dichloropropane-d6	7.37	67	72058	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	8.70	98	236981	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.80%
45) trans-1,3-Dichloropropene-	8.99	79	34921	6.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	122.00%
48) 2-Hexanone-d5	9.43	63	134363	65.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.10%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	57000	5.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.00%
65) 1,2-Dichlorobenzene-d4	12.36	152	102653	6.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	125.00%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.39	62	760	0.073	ug/L #	1
6) Bromomethane	1.65	94	547	0.088	ug/L	97
12) 1,1-Dichloroethene	2.34	96	1174	0.125	ug/L #	1
13) Acetone	2.44	43	16340	11.520	ug/L	97
14) Carbon disulfide	2.55	76	7045	0.247	ug/L #	93
15) Methyl Acetate	2.87	43	599982	152.823	ug/L #	49
16) Methylene chloride	2.84	84	9322	0.728	ug/L #	80
19) 1,1-Dichloroethane	3.68	63	1822	0.108	ug/L #	84
21) 2-Butanone	4.53	43	2142	0.951	ug/L	88
22) cis-1,2-Dichloroethene	4.56	96	480	0.049	ug/L #	49
29) 1,1,1-Trichloroethane	5.46	97	1574	0.090	ug/L #	57
35) Methylcyclohexane	7.43	83	2039	0.144	ug/L	96
37) 1,2-Dichloropropane	7.37	63	9604	1.020	ug/L #	88
39) cis-1,3-Dichloropropene	8.38	75	2653	0.199	ug/L	86
43) 1,3,5-Trimethylbenzene	11.49	105	367743	11.037	ug/L	99
44) 1,2,4-Trimethylbenzene	11.79	105	636319	19.089	ug/L	96
58) Isopropylbenzene	11.00	105	19719	0.490	ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 02 08:54:14 2020
Response via : Initial Calibration

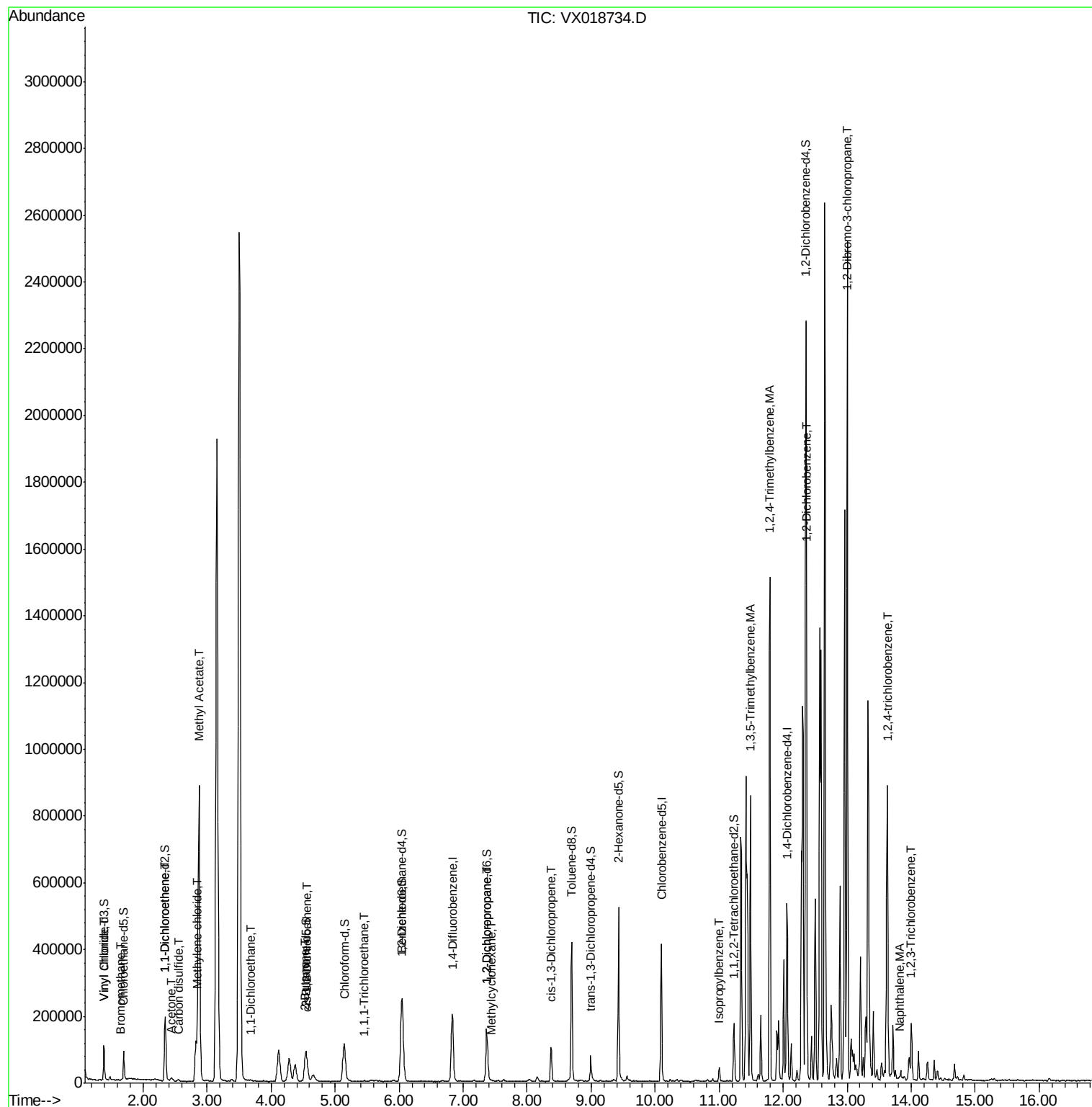
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dichlorobenzene	12.37	146	1163	0.057	ug/L #	15
67) 1,2-Dibromo-3-chloropropan	13.00	75	8923	5.153	ug/L #	9
69) 1,2,4-trichlorobenzene	13.63	180	159736	11.874	ug/L	99
70) Naphthalene	13.82	128	4551	0.200	ug/L #	89
71) 1,2,3-Trichlorobenzene	14.01	180	36811	3.028	ug/L	100

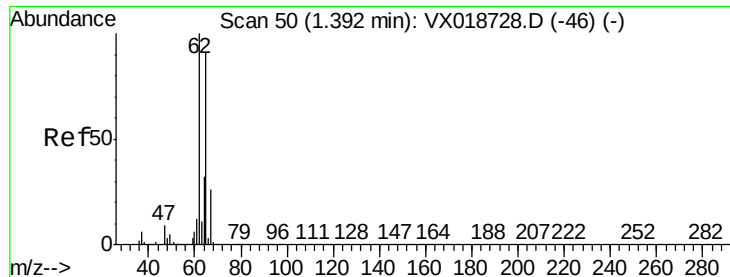
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.073 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018734.D

Acq: 01 Oct 2020 20:28

Instrument :

MSVOA_X

ClientSampleId :

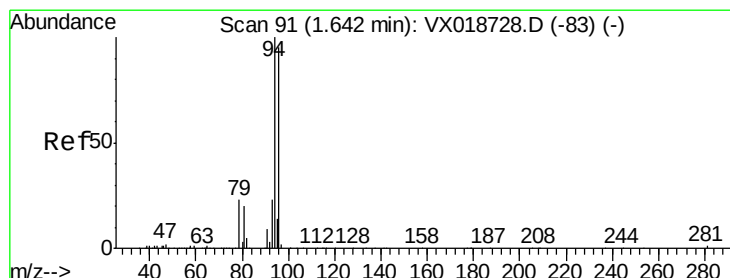
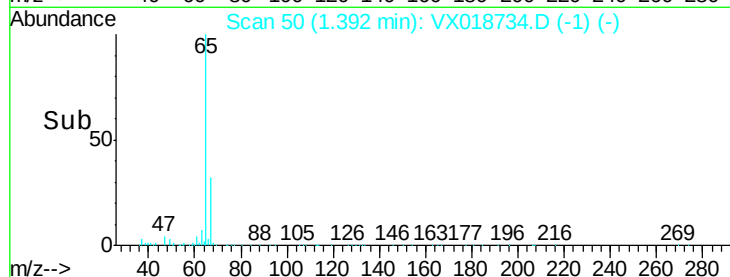
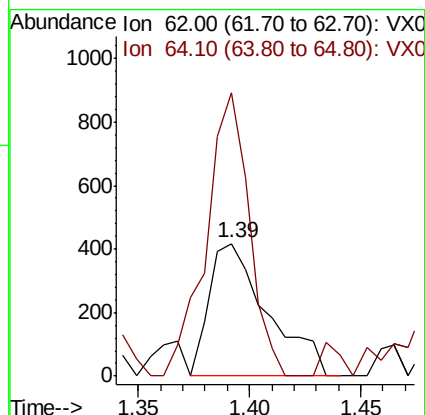
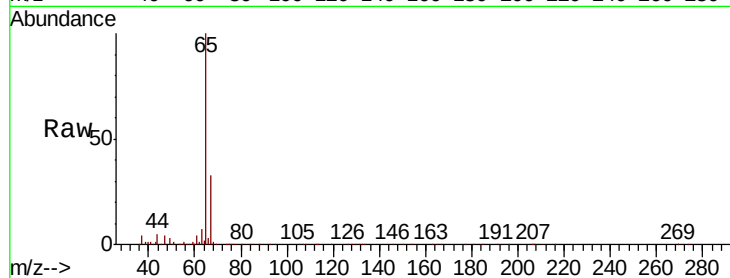
BG3T9DL

Tot Ion: 62 Resp: 760

Ion Ratio Lower Upper

62 100

64 213.9 23.6 43.8#



#6

Bromomethane

Concen: 0.088 ug/L

RT: 1.65 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX018734.D

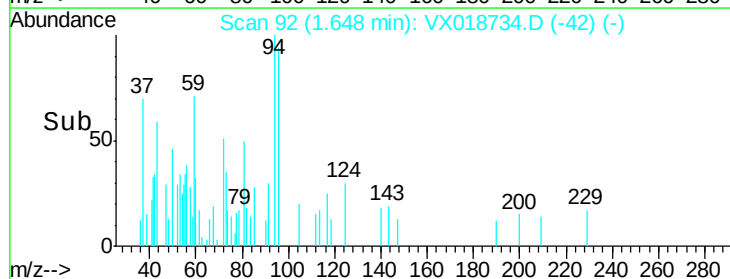
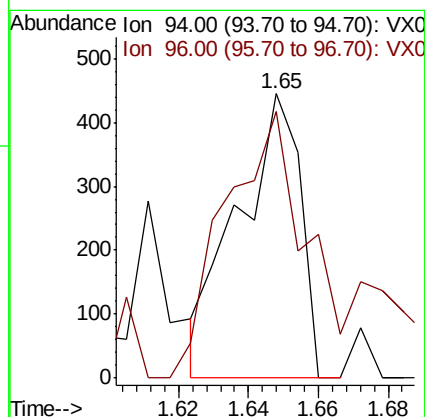
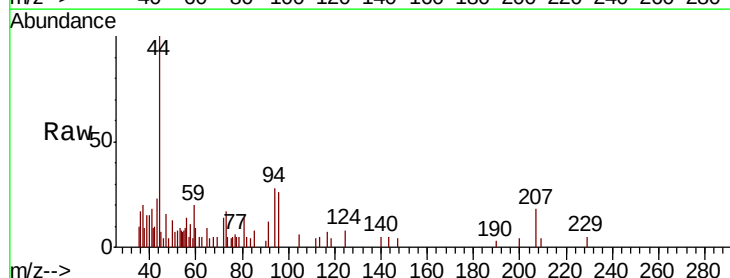
Acq: 01 Oct 2020 20:28

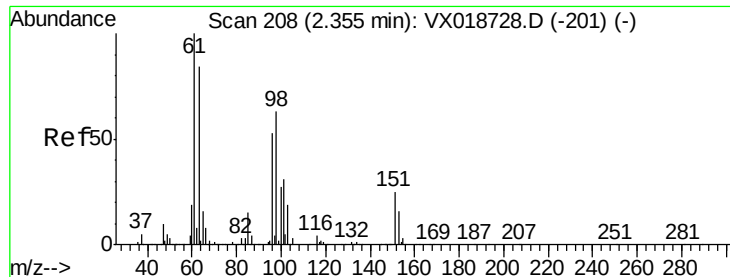
Tgt Ion: 94 Resp: 547

Ion Ratio Lower Upper

94 100

96 93.7 67.8 125.8





#12

1,1-Dichloroethene

Concen: 0.125 ug/L

RT: 2.34 min Scan# 205

Delta R.T. -0.02 min

Lab File: VX018734.D

Acq: 01 Oct 2020 20:28

Instrument :

MSVOA_X

ClientSampleId :

BG3T9DL

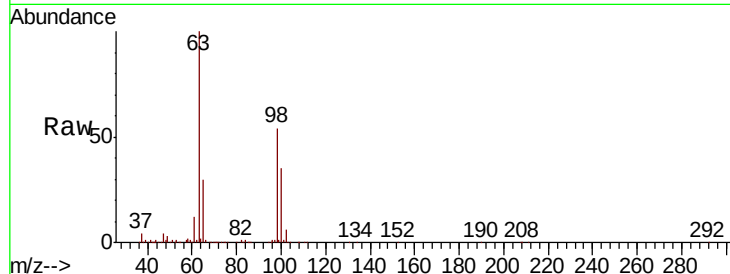
Tot Ion: 96 Resp: 1174

Ion Ratio Lower Upper

96 100

61 1025.1 123.8 229.8#

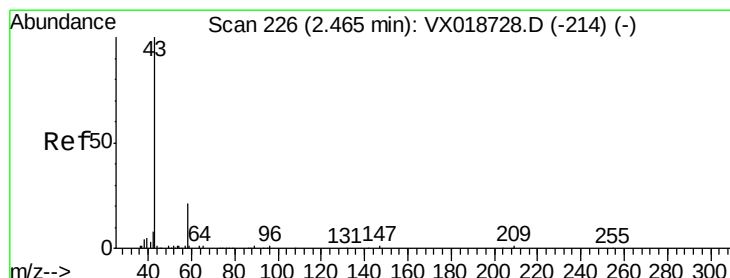
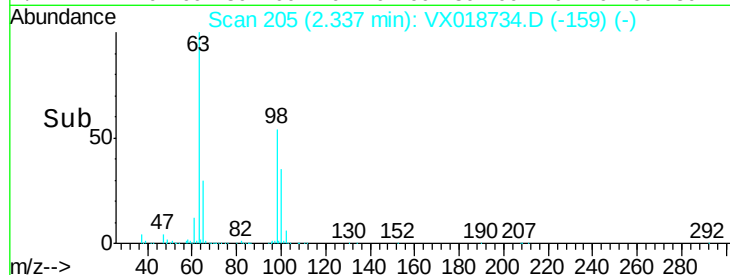
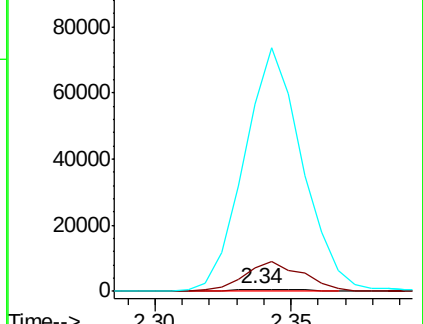
63 8397.6 104.7 194.4#



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0



#13

Acetone

Concen: 11.520 ug/L

RT: 2.44 min Scan# 222

Delta R.T. -0.02 min

Lab File: VX018734.D

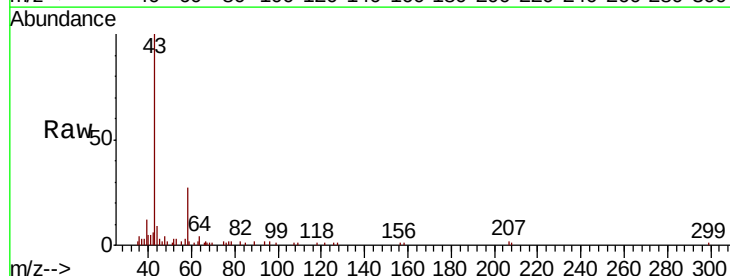
Acq: 01 Oct 2020 20:28

Tgt Ion: 43 Resp: 16340

Ion Ratio Lower Upper

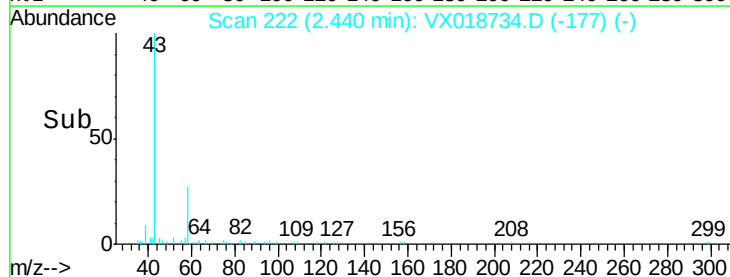
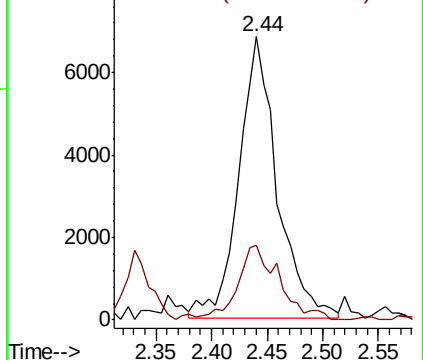
43 100

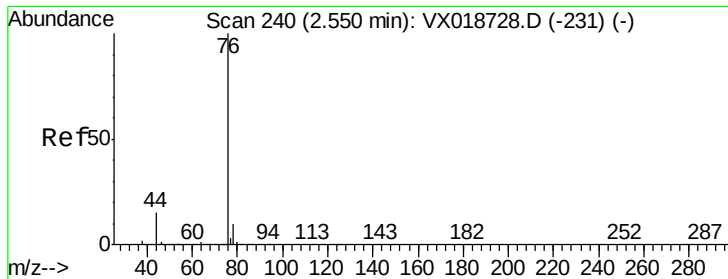
58 28.9 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0





#14

Carbon disulfide

Concen: 0.247 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018734.D

Acq: 01 Oct 2020 20:28

Instrument :

MSVOA_X

ClientSampleId :

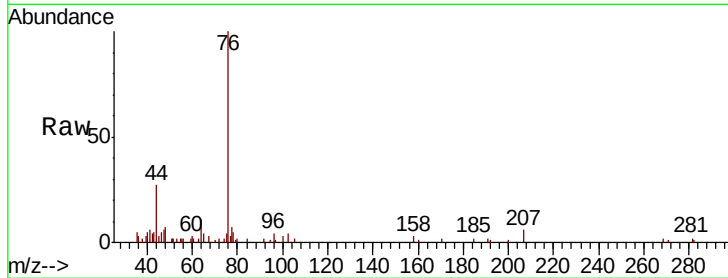
BG3T9DL

Tot Ion: 76 Resp: 7045

Ion Ratio Lower Upper

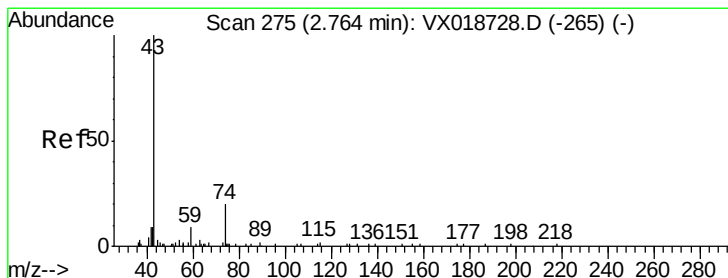
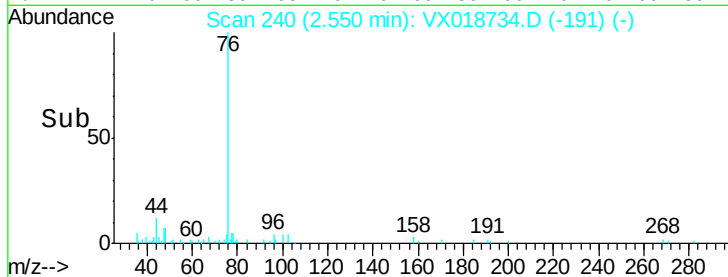
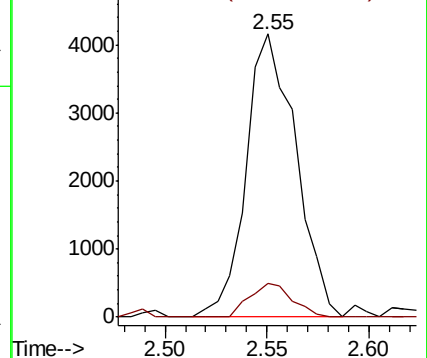
76 100

78 11.8 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0



#15

Methyl Acetate

Concen: 152.823 ug/L

RT: 2.87 min Scan# 293

Delta R.T. 0.11 min

Lab File: VX018734.D

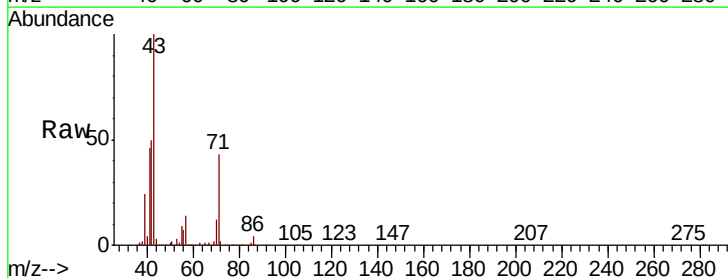
Acq: 01 Oct 2020 20:28

Tgt Ion: 43 Resp: 599982

Ion Ratio Lower Upper

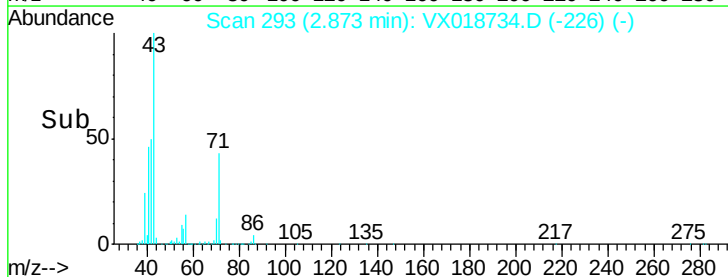
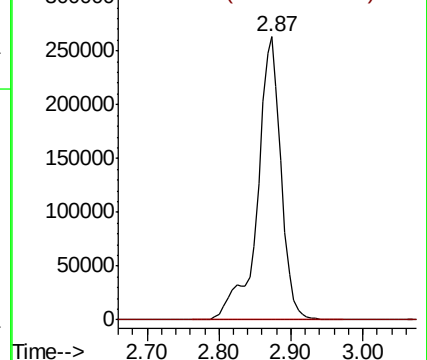
43 100

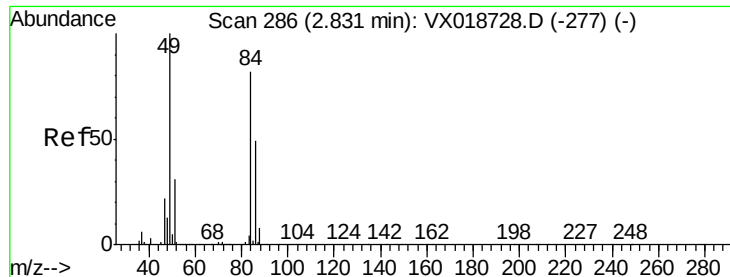
74 0.1 21.2 31.8#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0

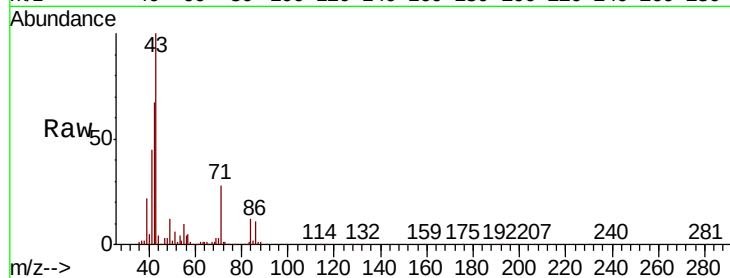




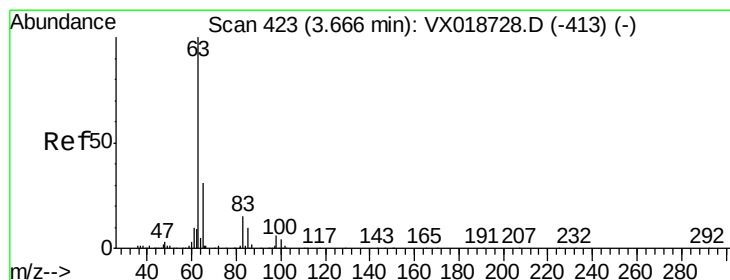
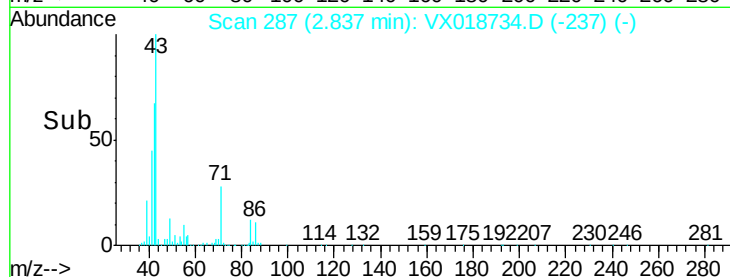
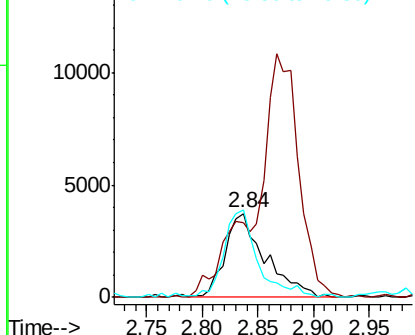
#16
Methylene chloride
Concen: 0.728 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018734.D
Acq: 01 Oct 2020 20:28

Instrument :
MSVOA_X
ClientSampleId :
BG3T9DL

Tot Ion: 84 Resp: 9322
Ion Ratio Lower Upper
84 100
86 89.6 41.9 77.7#
49 105.0 80.8 150.2

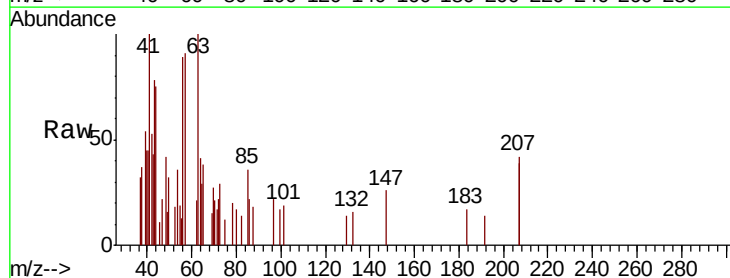


Abundance Ion 84.05 (83.75 to 84.75): VX0
Ion 86.00 (85.70 to 86.70): VX0
Ion 49.10 (48.80 to 49.80): VX0

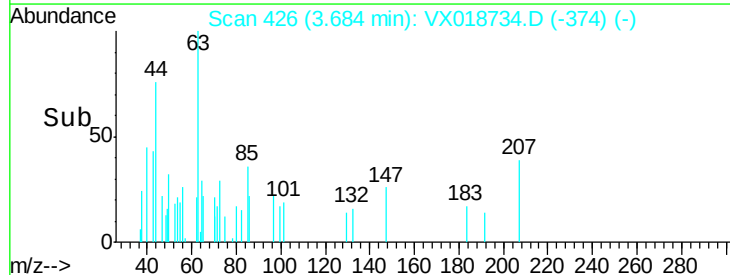
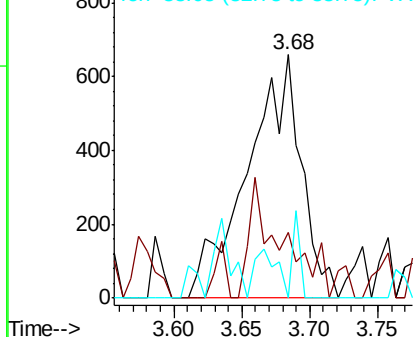


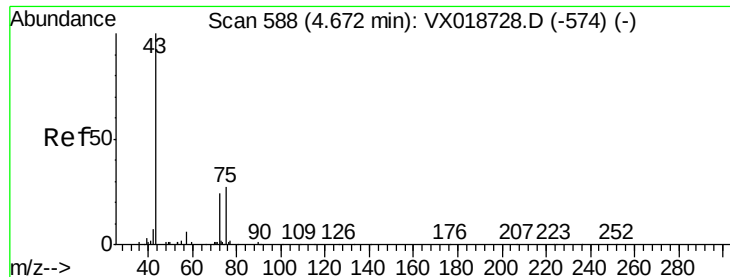
#19
1,1-Dichloroethane
Concen: 0.108 ug/L
RT: 3.68 min Scan# 426
Delta R.T. 0.02 min
Lab File: VX018734.D
Acq: 01 Oct 2020 20:28

Tgt Ion: 63 Resp: 1822
Ion Ratio Lower Upper
63 100
65 27.2 22.7 42.1
83 0.0 9.3 17.3#



Abundance Ion 63.10 (62.80 to 63.80): VX0
Ion 65.10 (64.80 to 65.80): VX0
Ion 83.05 (82.75 to 83.75): VX0





#21

2-Butanone

Concen: 0.951 ug/L

RT: 4.53 min Scan# 564

Delta R.T. -0.15 min

Lab File: VX018734.D

Acq: 01 Oct 2020 20:28

Instrument :

MSVOA_X

ClientSampleId :

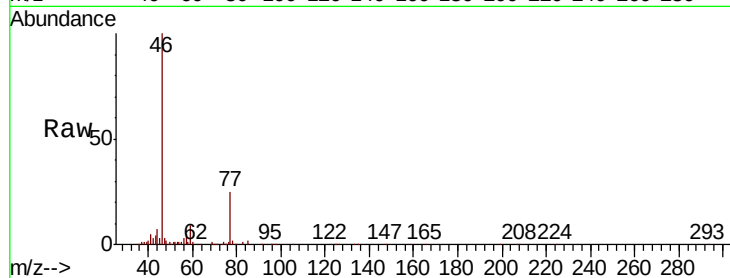
BG3T9DL

Tot Ion: 43 Resp: 2142

Ion Ratio Lower Upper

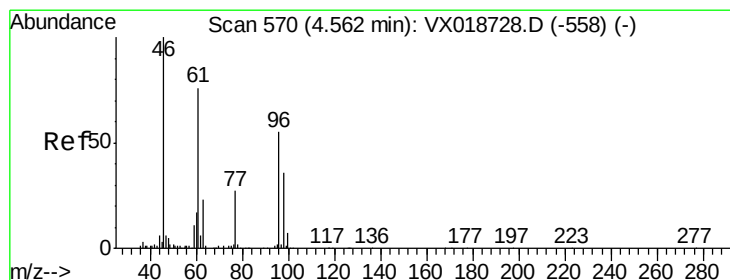
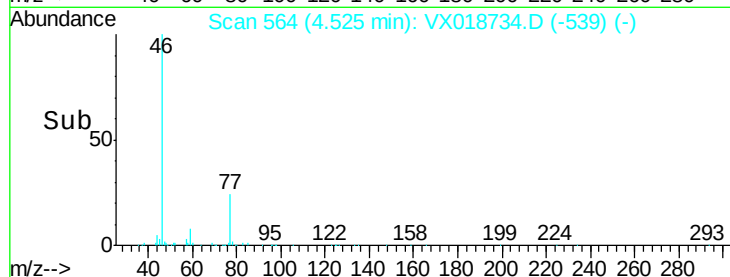
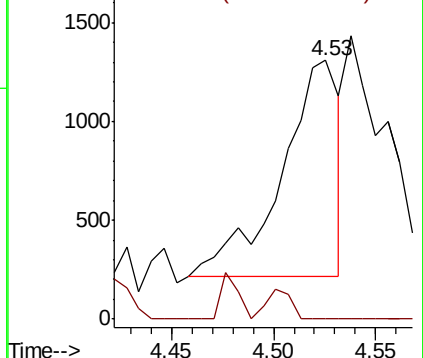
43 100

72 5.8 5.2 15.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 0.049 ug/L

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX018734.D

Acq: 01 Oct 2020 20:28

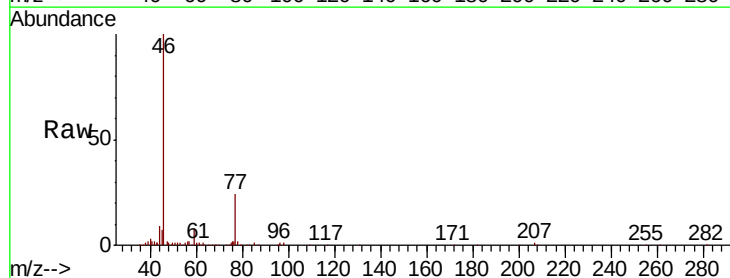
Tgt Ion: 96 Resp: 480

Ion Ratio Lower Upper

96 100

61 67.8 87.7 162.9#

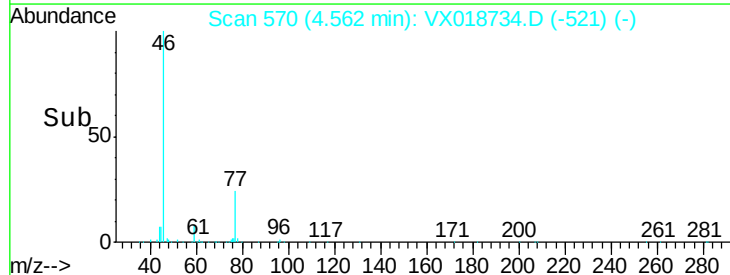
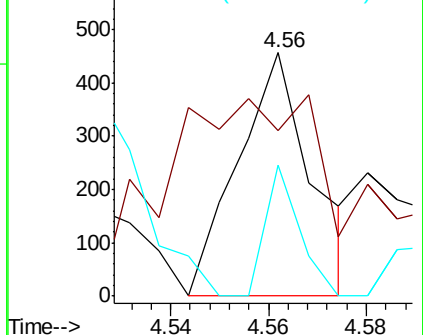
68 53.6 0.3 0.7#

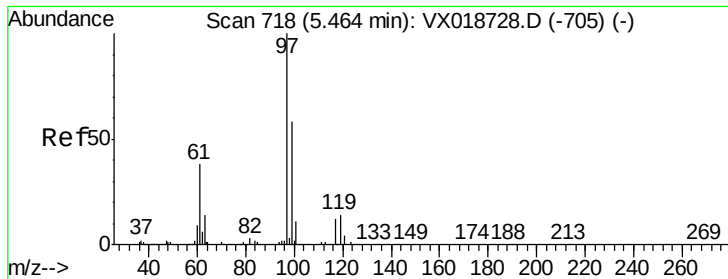


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 68.15 (67.85 to 68.85): VX0





#29

1,1,1-Trichloroethane

Concen: 0.090 ug/L

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX018734.D

Acq: 01 Oct 2020 20:28

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MSVOA_X

ClientSampleId :

BG3T9DL

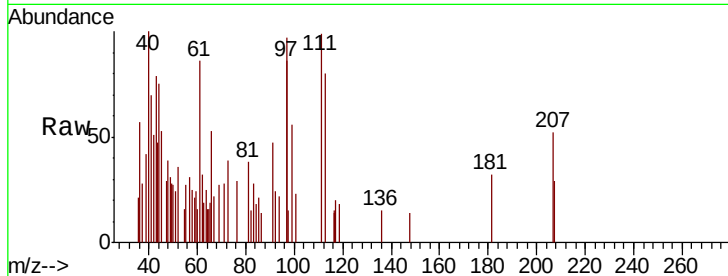
Tot Ion: 97 Resp: 1574

Ion Ratio Lower Upper

97 100

99 36.0 50.0 75.0#

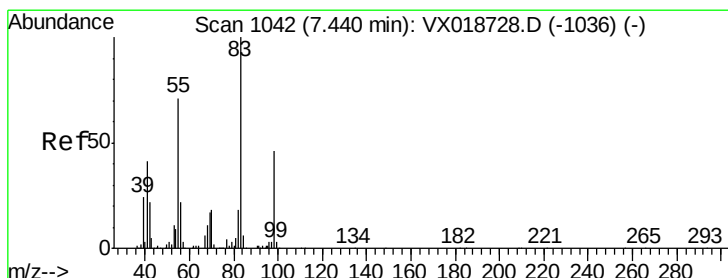
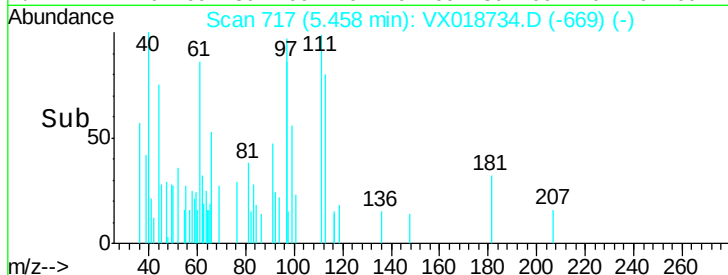
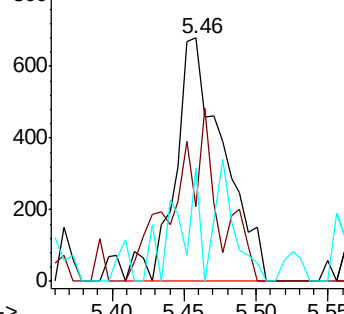
61 7.4 33.9 50.9#



Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 61.05 (60.75 to 61.75): VX0



#35

Methylcyclohexane

Concen: 0.144 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX018734.D

Acq: 01 Oct 2020 20:28

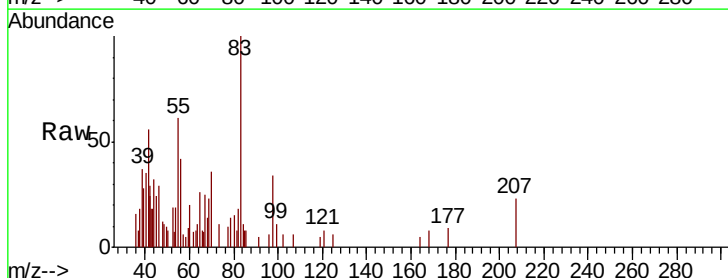
Tgt Ion: 83 Resp: 2039

Ion Ratio Lower Upper

83 100

55 79.1 67.4 101.0

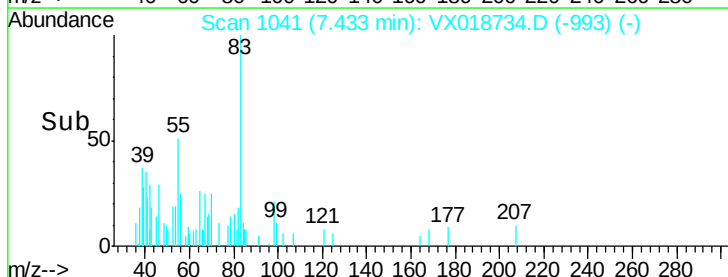
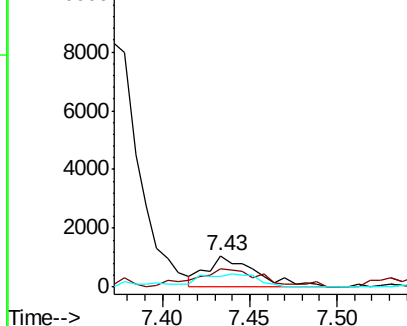
98 49.9 41.1 61.7

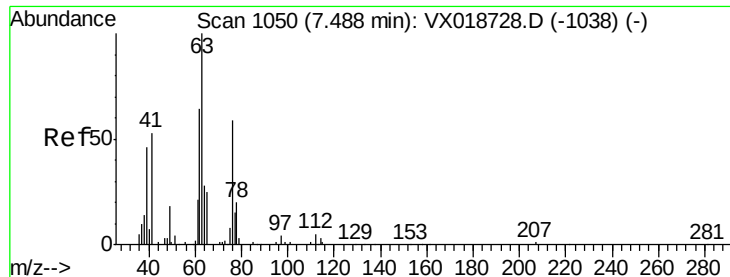


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

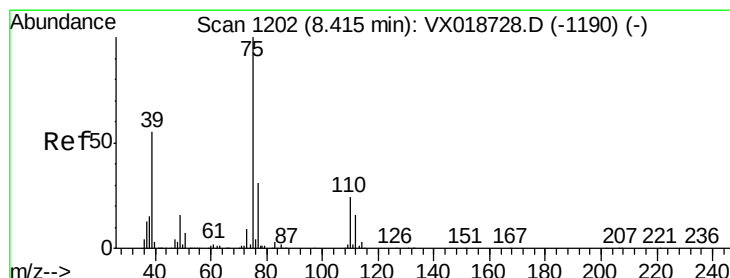
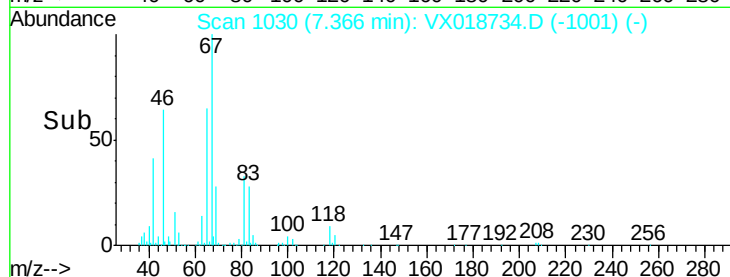
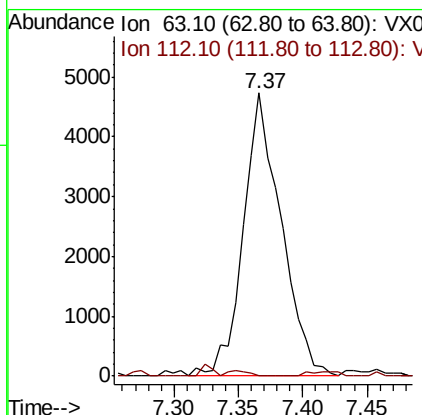
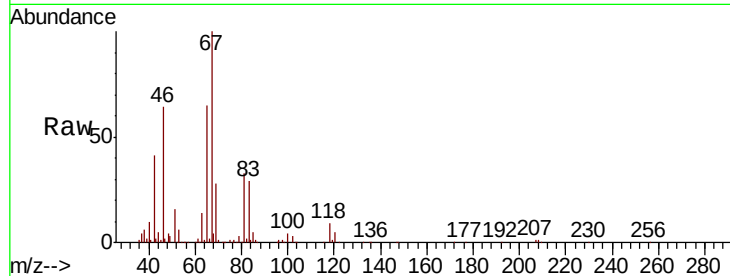




#37
 1,2-Dichloropropane
 Concen: 1.020 ug/L
 RT: 7.37 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VX018734.D
 Acq: 01 Oct 2020 20:28

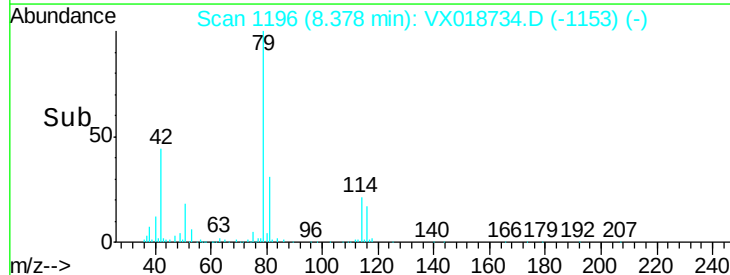
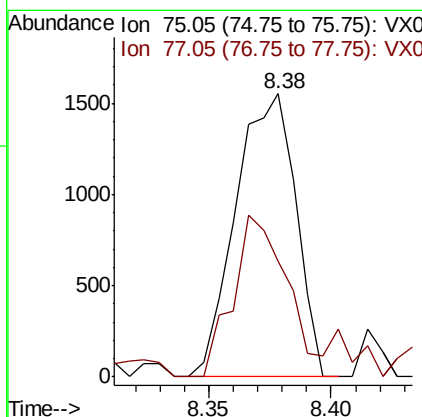
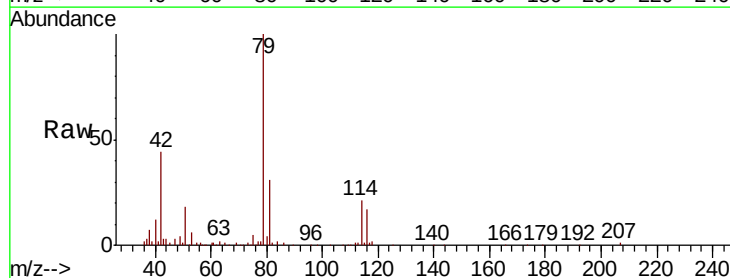
Instrument :
 MSVOA_X
 ClientSampleID :
 BG3T9DL

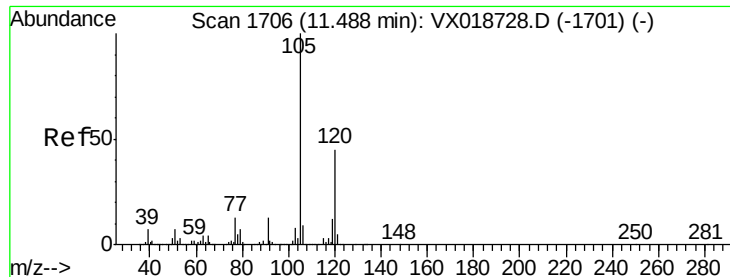
Tot Ion: 63 Resp: 9604
 Ion Ratio Lower Upper
 63 100
 112 1.1 4.1 6.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.199 ug/L
 RT: 8.38 min Scan# 1196
 Delta R.T. -0.04 min
 Lab File: VX018734.D
 Acq: 01 Oct 2020 20:28

Tgt Ion: 75 Resp: 2653
 Ion Ratio Lower Upper
 75 100
 77 40.9 23.0 42.8

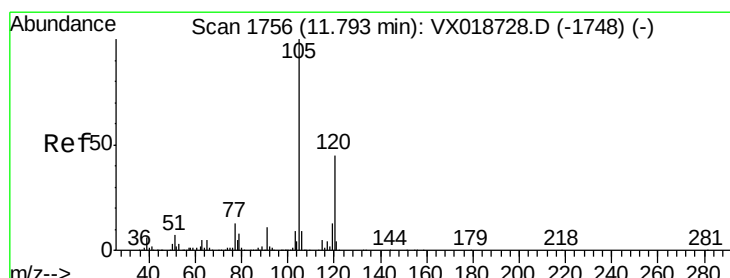
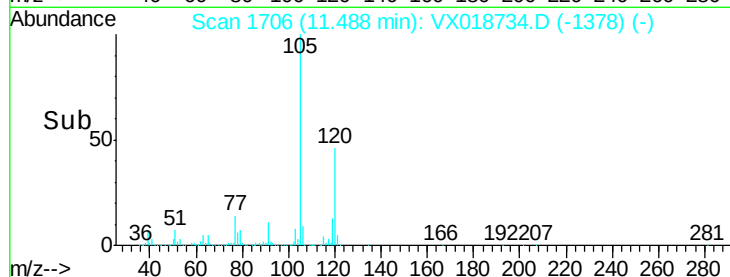
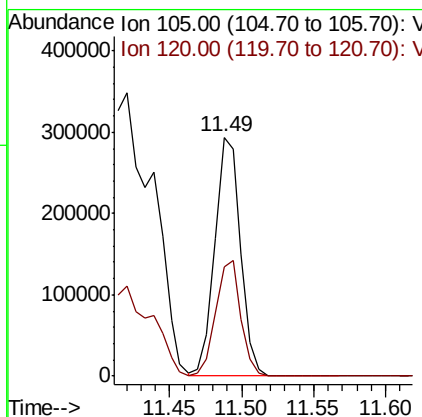
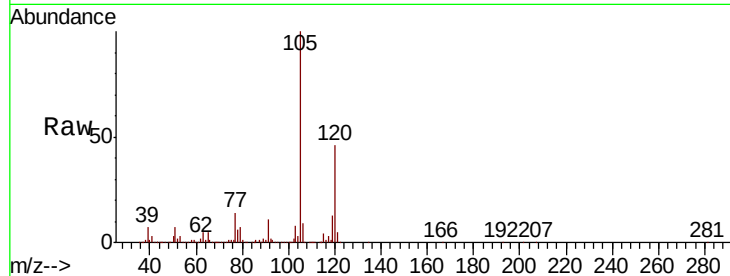




#43
 1,3,5-Trimethylbenzene
 Concen: 11.037 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX018734.D
 Acq: 01 Oct 2020 20:28

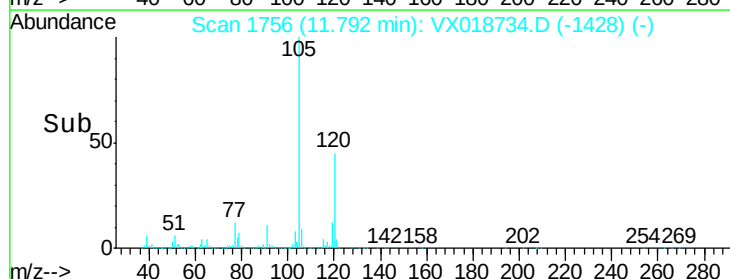
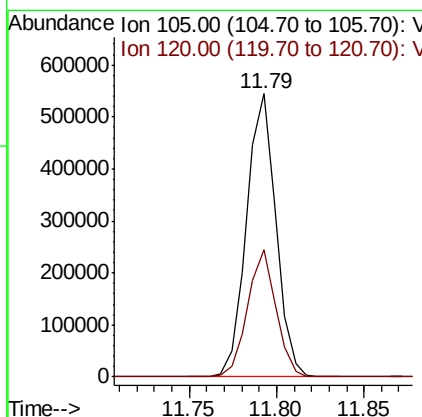
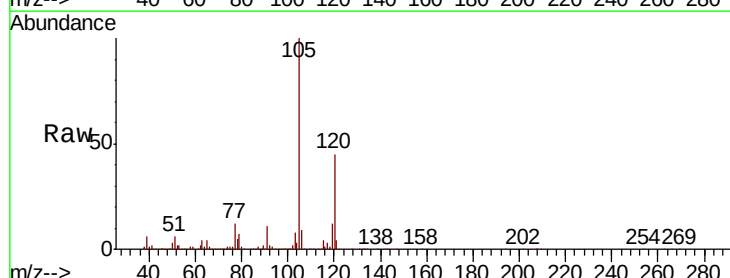
Instrument :
 MSVOA_X
 ClientSampleId :
 BG3T9DL

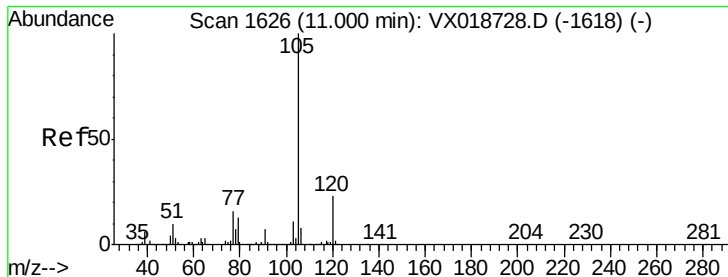
Tot Ion:105 Resp: 367743
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.2 55.8



#44
 1,2,4-Trimethylbenzene
 Concen: 19.089 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX018734.D
 Acq: 01 Oct 2020 20:28

Tgt Ion:105 Resp: 636319
 Ion Ratio Lower Upper
 105 100
 120 43.5 36.8 55.2





#58

Isopropylbenzene

Concen: 0.490 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX018734.D

Acq: 01 Oct 2020 20:28

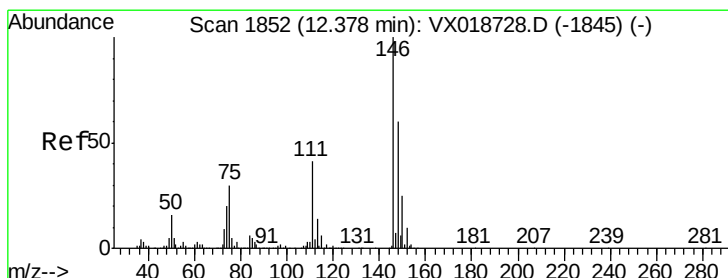
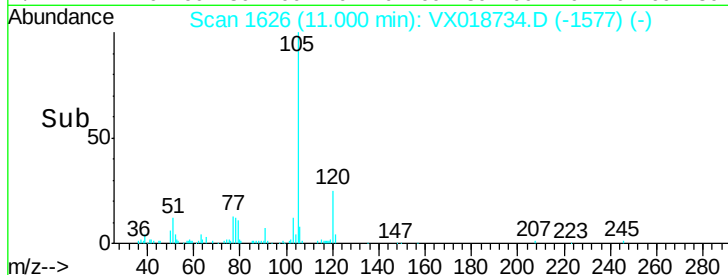
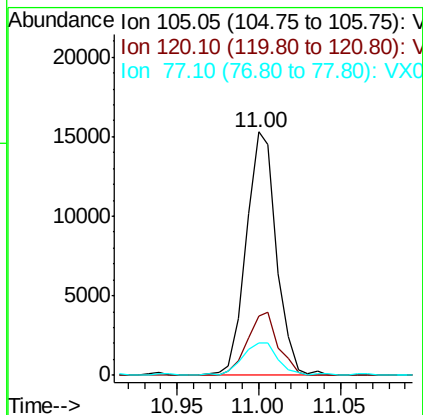
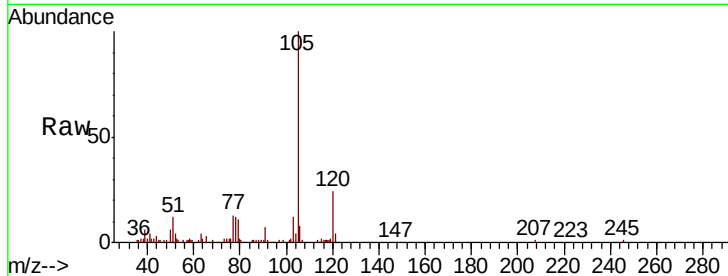
Instrument :

MSVOA_X

ClientSampleId :

BG3T9DL

Tot Ion:105	Resp:	19719
Ion Ratio	Lower	Upper
105	100	
120	26.4	21.2 31.8
77	15.8	13.3 19.9



#66

1,2-Dichlorobenzene

Concen: 0.057 ug/L

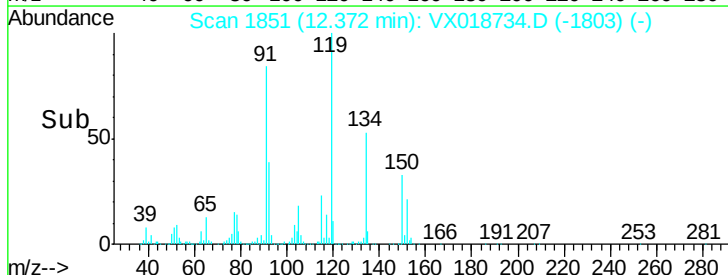
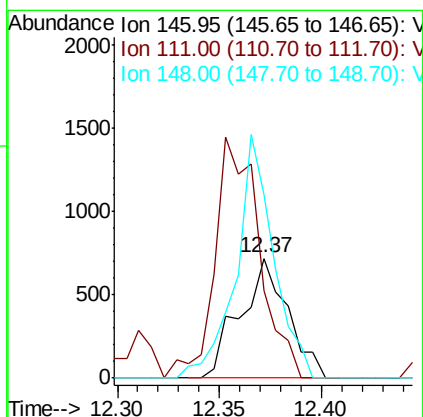
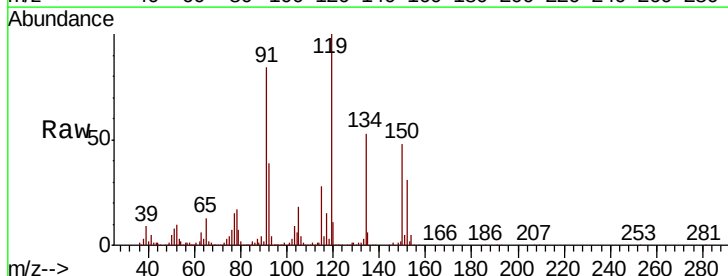
RT: 12.37 min Scan# 1851

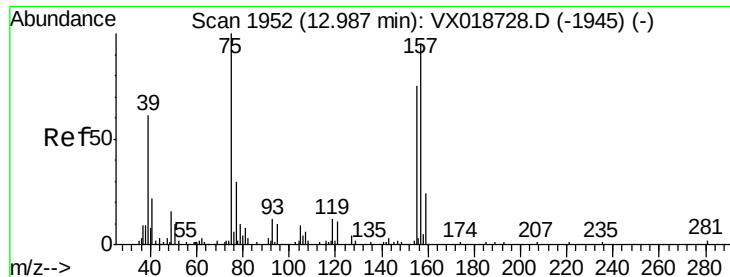
Delta R.T. -0.01 min

Lab File: VX018734.D

Acq: 01 Oct 2020 20:28

Tgt Ion:146	Resp:	1163
Ion Ratio	Lower	Upper
146	100	
111	73.2	33.6 50.4#
148	152.9	53.4 80.2#





#67

1,2-Dibromo-3-chloropropane

Concen: 5.153 ug/L

RT: 13.00 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VX018734.D

Acq: 01 Oct 2020 20:28

Instrument :

MSVOA_X

ClientSampleId :

BG3T9DL

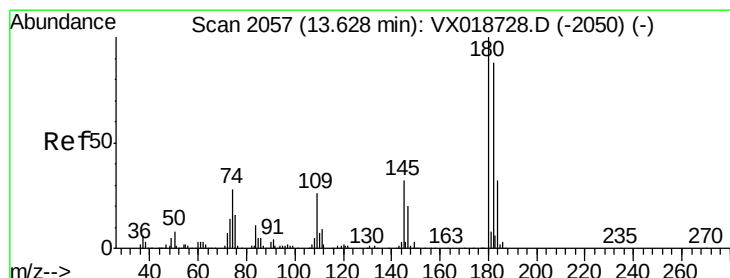
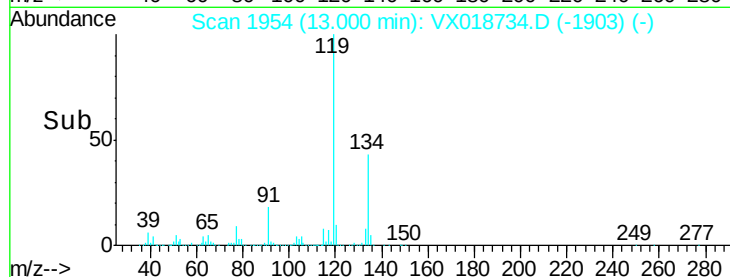
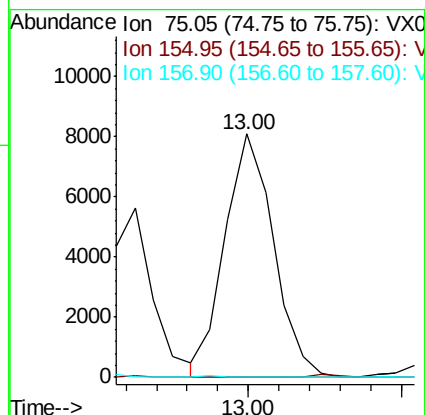
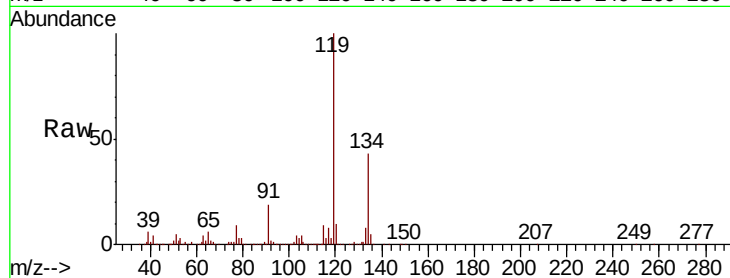
Tot Ion: 75 Resp: 8923

Ion Ratio Lower Upper

75 100

155 0.0 54.6 81.8#

157 0.0 73.5 110.3#



#69

1,2,4-trichlorobenzene

Concen: 11.874 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX018734.D

Acq: 01 Oct 2020 20:28

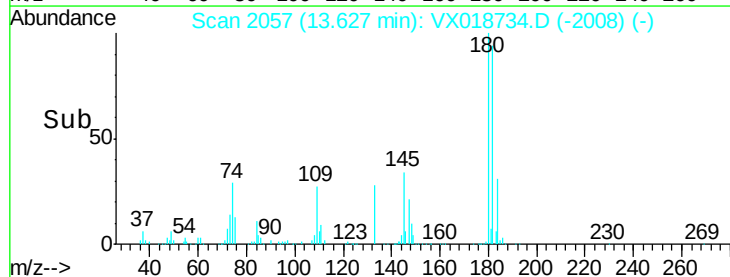
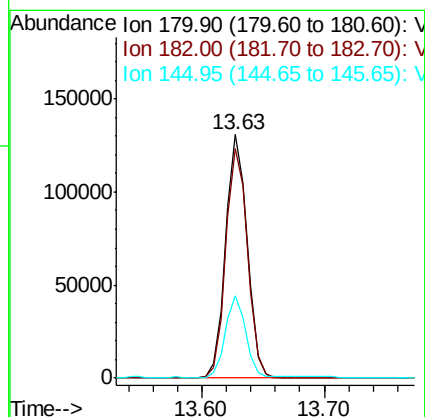
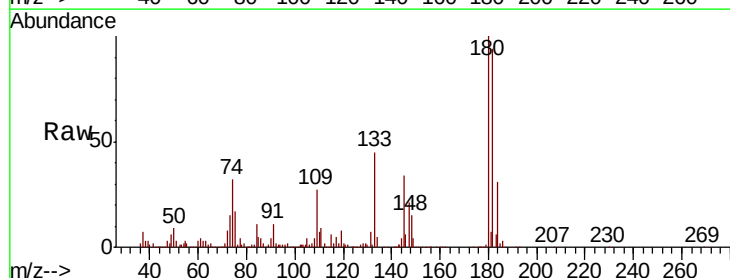
Tgt Ion:180 Resp: 159736

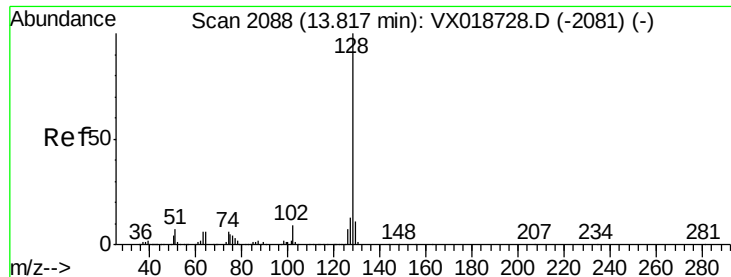
Ion Ratio Lower Upper

180 100

182 94.4 74.6 112.0

145 31.9 25.0 37.6





#70

Naphthalene

Concen: 0.200 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018734.D

Acq: 01 Oct 2020 20:28

Instrument :

MSVOA_X

ClientSampleId :

BG3T9DL

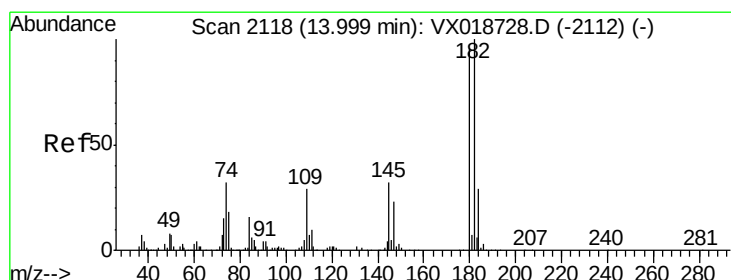
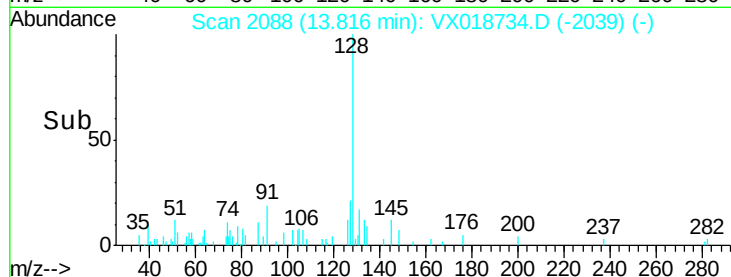
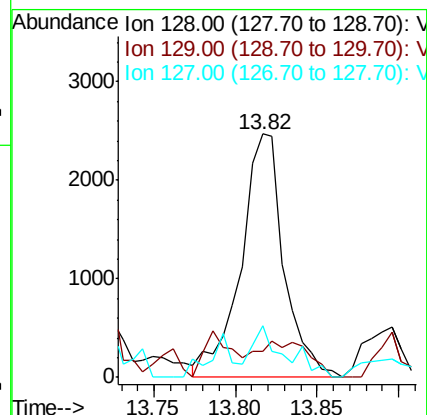
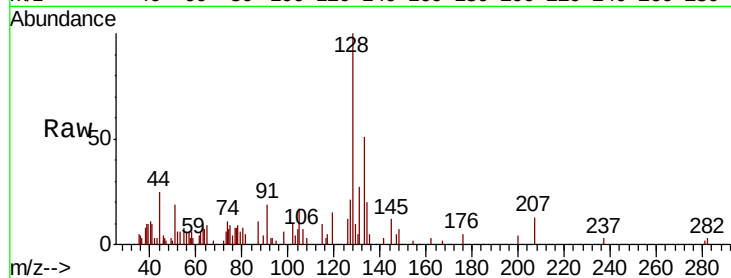
Tot Ion:128 Resp: 4551

Ion Ratio Lower Upper

128 100

129 17.6 8.8 13.2#

127 16.1 10.7 16.1#



#71

1,2,3-Trichlorobenzene

Concen: 3.028 ug/L

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX018734.D

Acq: 01 Oct 2020 20:28

Tgt Ion:180 Resp: 36811

Ion Ratio Lower Upper

180 100

182 97.2 77.7 116.5

145 36.3 28.6 42.8

