

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
 Data File : VX018752.D
 Acq On : 02 Oct 2020 17:04
 Operator : JC/SP
 Sample : L4171-12DL 10X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3W0DL

Quant Time: Oct 03 05:21:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 14:11:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.84	114	191033	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	183017	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	102893	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	52397	4.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.80%
7) Chloroethane-d5	1.70	69	43281	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.34	63	100339	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	4.56	46	155497	53.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.24%
24) Chloroform-d	5.14	84	131468	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	6.03	65	81420	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	6.05	84	230857	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	7.37	67	67206	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	8.70	98	222210	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
45) trans-1,3-Dichloropropene-	8.99	79	34454	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
48) 2-Hexanone-d5	9.43	63	127783	53.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.80%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	52338	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	96500	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.35	96	1326	0.139 ug/L #	1
13) Acetone	2.45	43	3224	2.017 ug/L	98
14) Carbon disulfide	2.55	76	6015	0.202 ug/L	99
15) Methyl Acetate	2.82	43	133588	34.012 ug/L #	48
16) Methylene chloride	2.83	84	6526	0.566 ug/L #	24
19) 1,1-Dichloroethane	3.67	63	1936	0.107 ug/L #	82
21) 2-Butanone	4.65	43	2704	1.162 ug/L	100
22) cis-1,2-Dichloroethene	4.57	96	769	0.073 ug/L #	51
35) Methylcyclohexane	7.44	83	3098	0.193 ug/L #	66
37) 1,2-Dichloropropane	7.37	63	9546	0.994 ug/L #	88
43) 1,3,5-Trimethylbenzene	11.49	105	789807	19.899 ug/L	98
44) 1,2,4-Trimethylbenzene	11.79	105	1278723	31.740 ug/L	99
50) 2-Hexanone	9.48	43	4422	1.095 ug/L #	85
54) Ethylbenzene	10.24	91	5231	0.111 ug/L	89
56) o-xylene	10.68	106	899	0.053 ug/L	91
58) Isopropylbenzene	11.00	105	37238	0.785 ug/L	99
66) 1,2-Dichlorobenzene	12.37	146	1816	0.078 ug/L #	69

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 02 14:11:08 2020
Response via : Initial Calibration

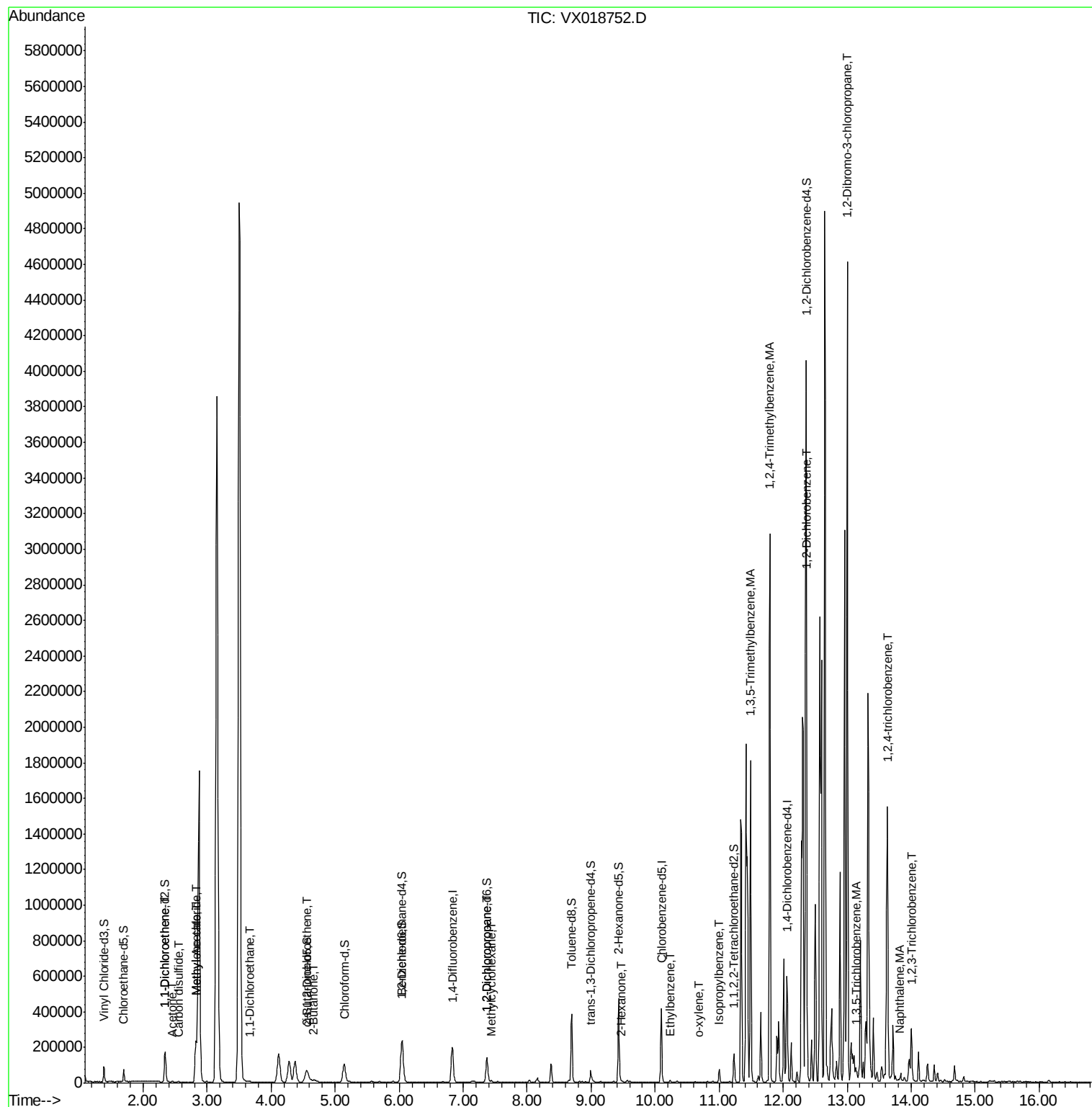
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dibromo-3-chloropropan	13.00	75	16295	8.188	ug/L #	7
68) 1,3,5-Trichlorobenzene	13.15	180	1252	0.065	ug/L #	84
69) 1,2,4-trichlorobenzene	13.63	180	276767	17.318	ug/L	99
70) Naphthalene	13.82	128	5394	0.206	ug/L #	84
71) 1,2,3-Trichlorobenzene	14.00	180	61930	4.307	ug/L #	90

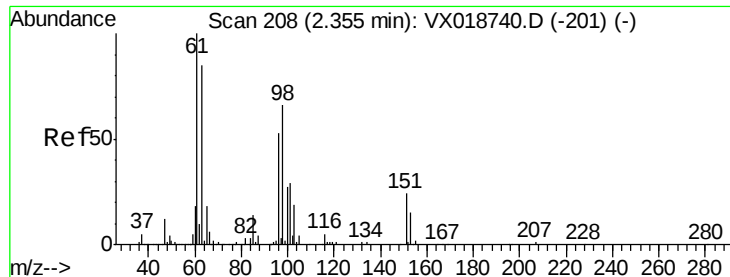
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.139 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX018752.D

Acq: 02 Oct 2020 17:04

Instrument :

MSVOA_X

ClientSampleId :

BG3W0DL

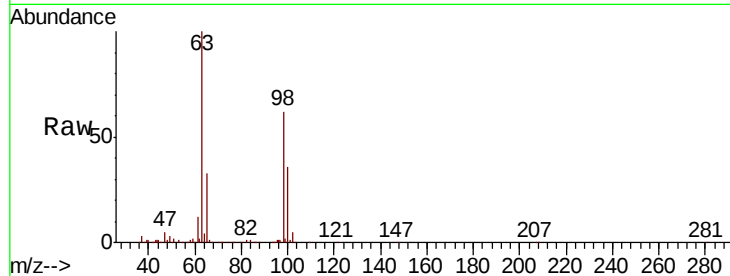
Tot Ion: 96 Resp: 1326

Ion Ratio Lower Upper

96 100

61 1032.9 133.2 247.4#

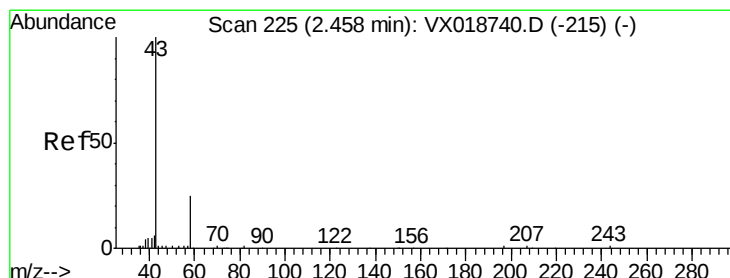
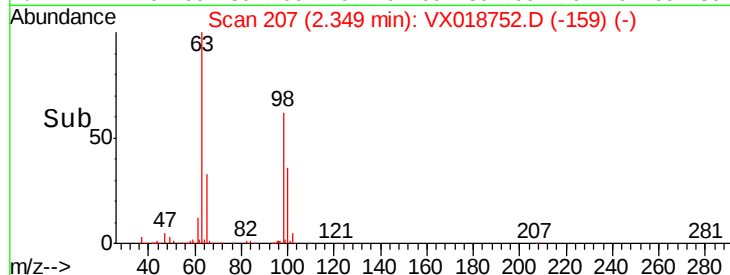
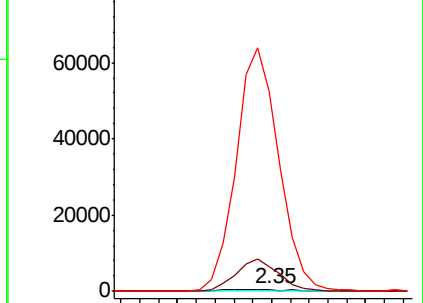
63 8535.5 115.1 213.7#



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: 2.017 ug/L

RT: 2.45 min Scan# 224

Delta R.T. -0.01 min

Lab File: VX018752.D

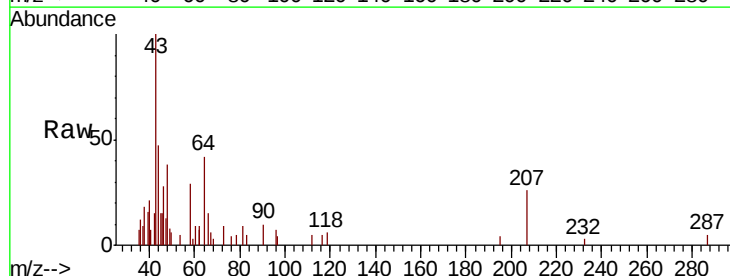
Acq: 02 Oct 2020 17:04

Tgt Ion: 43 Resp: 3224

Ion Ratio Lower Upper

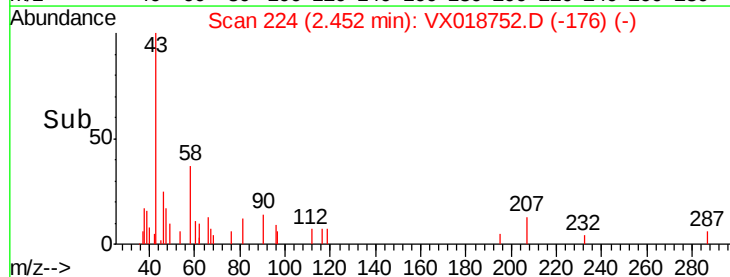
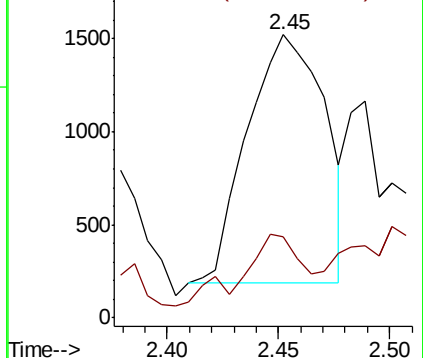
43 100

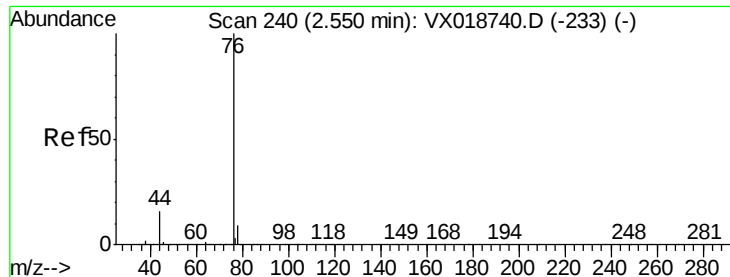
58 29.2 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0





#14

Carbon disulfide

Concen: 0.202 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018752.D

Acq: 02 Oct 2020 17:04

Instrument :

MSVOA_X

ClientSampleId :

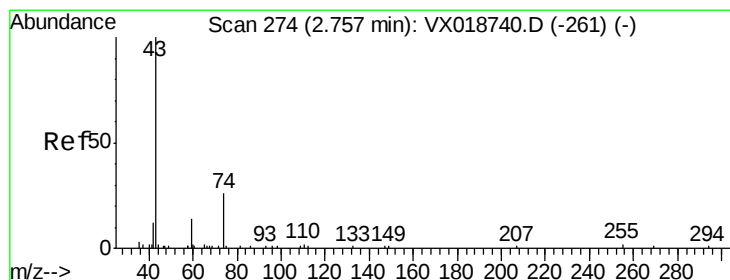
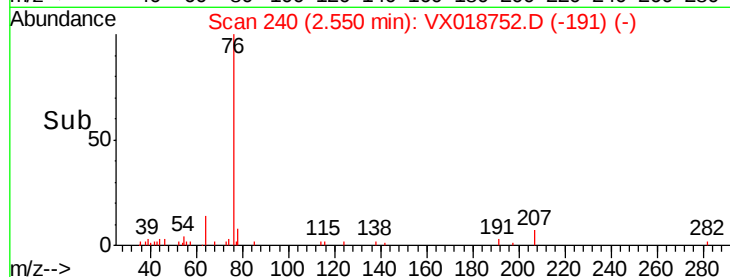
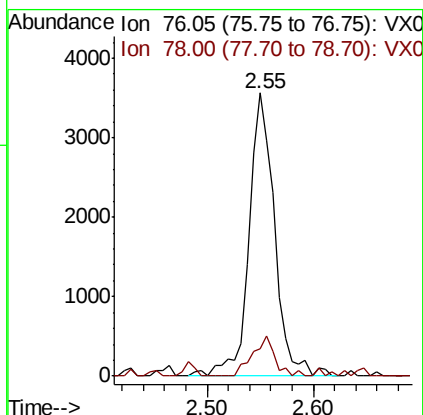
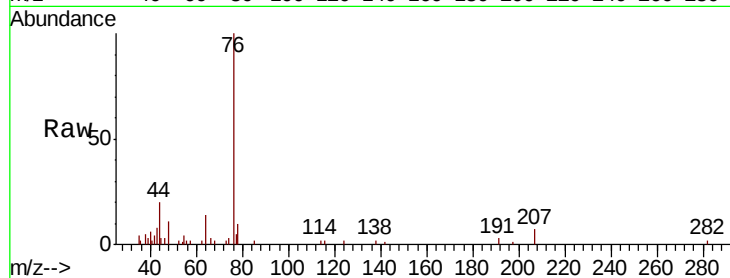
BG3W0DL

Tot Ion: 76 Resp: 6015

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.2



#15

Methyl Acetate

Concen: 34.012 ug/L

RT: 2.82 min Scan# 285

Delta R.T. 0.07 min

Lab File: VX018752.D

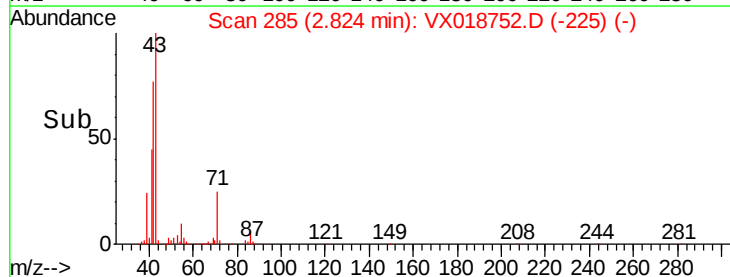
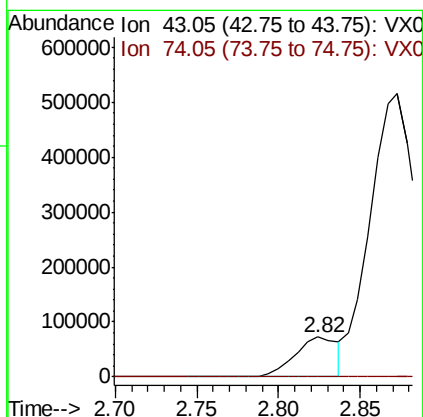
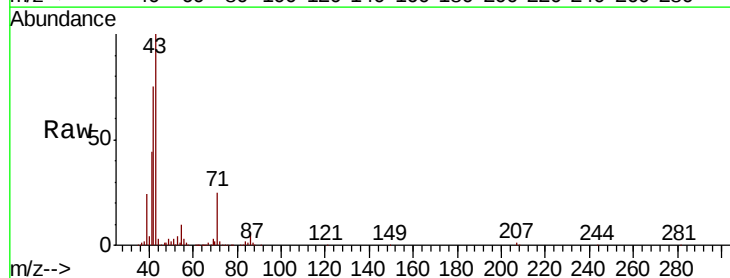
Acq: 02 Oct 2020 17:04

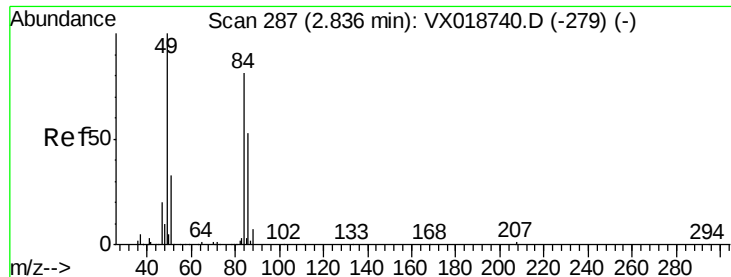
Tgt Ion: 43 Resp: 133588

Ion Ratio Lower Upper

43 100

74 0.1 21.9 32.9#

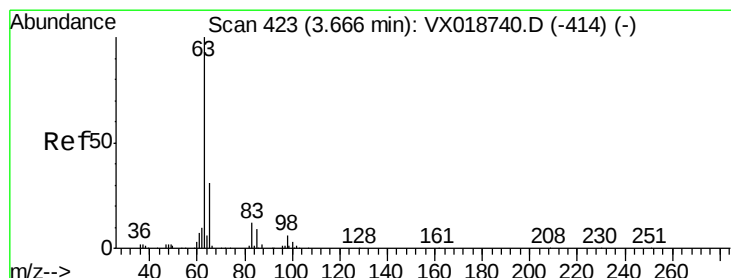
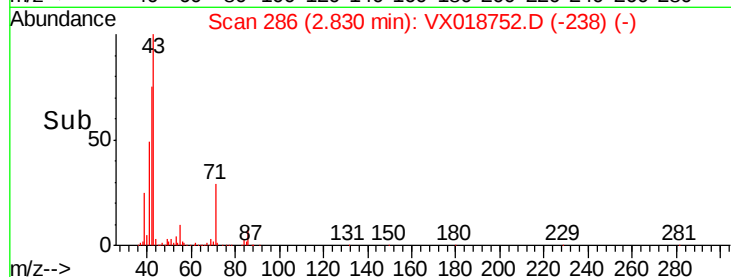
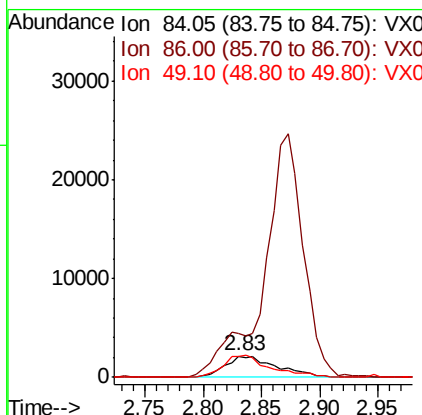
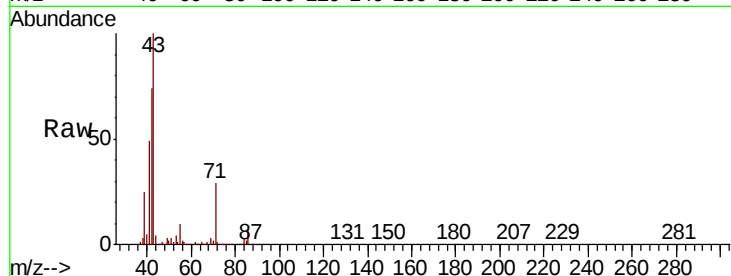




#16
Methvlene chloride
Concen: 0.566 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018752.D
Acq: 02 Oct 2020 17:04

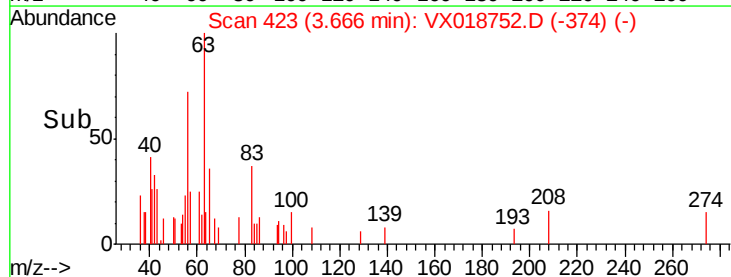
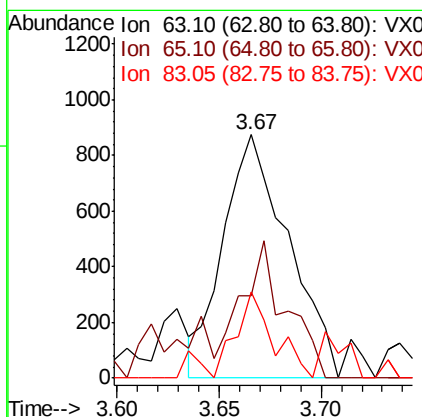
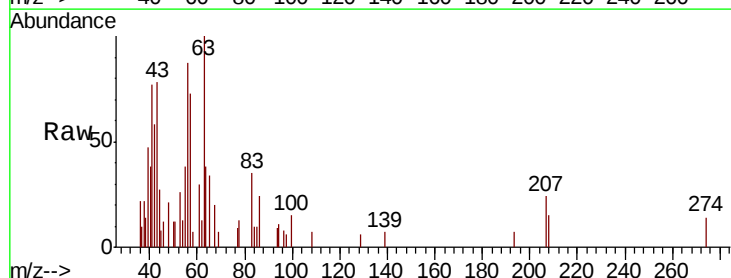
Instrument :
MSVOA_X
ClientSampleId :
BG3W0DL

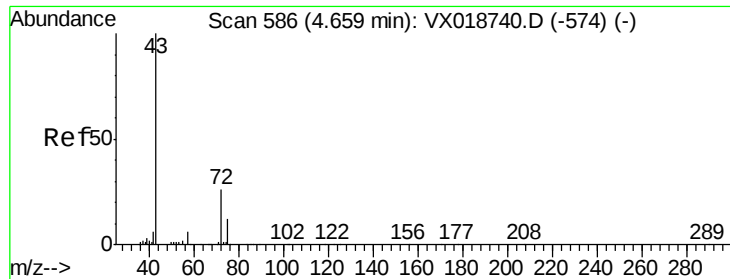
Tot Ion: 84 Resp: 6526
Ion Ratio Lower Upper
84 100
86 203.9 45.6 84.8#
49 97.2 85.8 159.3



#19
1,1-Dichloroethane
Concen: 0.107 ug/L
RT: 3.67 min Scan# 423
Delta R.T. 0.00 min
Lab File: VX018752.D
Acq: 02 Oct 2020 17:04

Tgt Ion: 63 Resp: 1936
Ion Ratio Lower Upper
63 100
65 24.7 21.6 40.2
83 25.5 8.7 16.1#





#21

2-Butanone

Concen: 1.162 ug/L

RT: 4.65 min Scan# 585

Delta R.T. -0.01 min

Lab File: VX018752.D

Acq: 02 Oct 2020 17:04

Instrument :

MSVOA_X

ClientSampled :

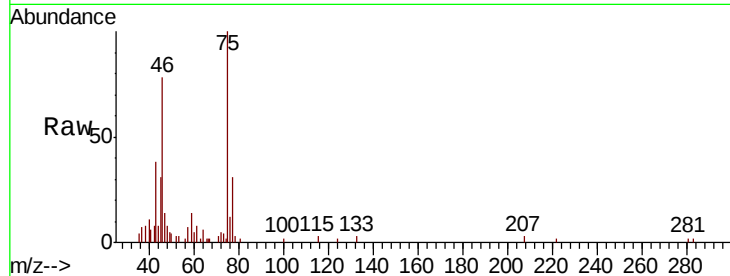
BG3W0DL

Tot Ion: 43 Resp: 2704

Ion Ratio Lower Upper

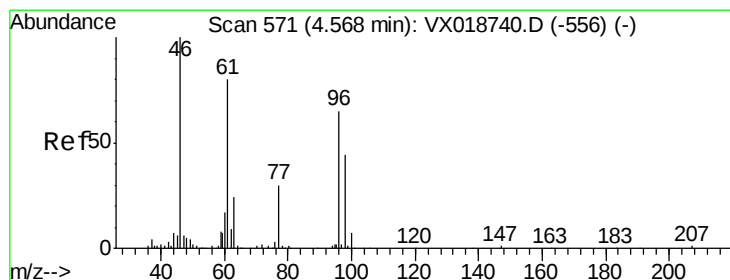
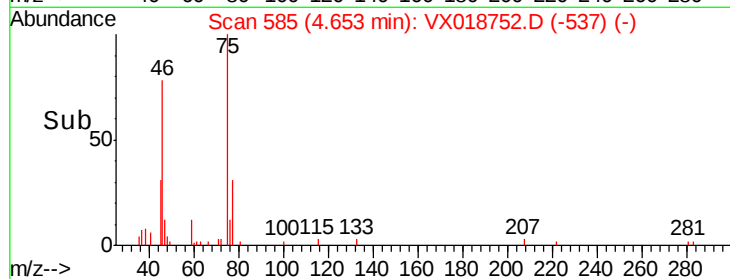
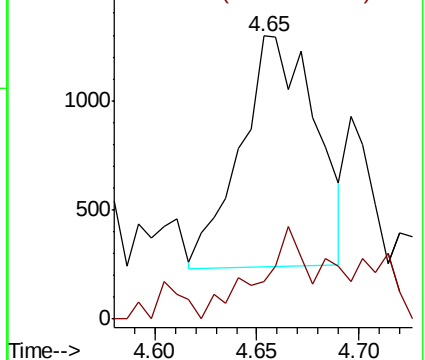
43 100

72 24.6 12.4 37.2



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: 0.073 ug/L

RT: 4.57 min Scan# 571

Delta R.T. 0.00 min

Lab File: VX018752.D

Acq: 02 Oct 2020 17:04

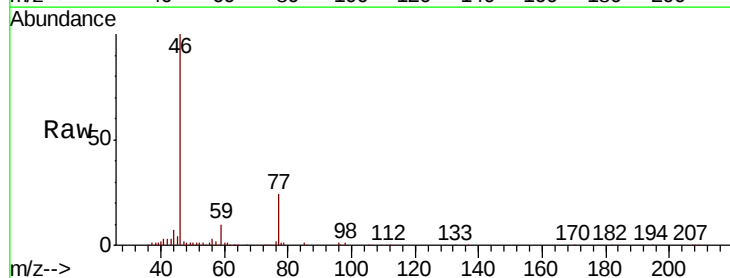
Tgt Ion: 96 Resp: 769

Ion Ratio Lower Upper

96 100

61 68.0 86.2 160.0#

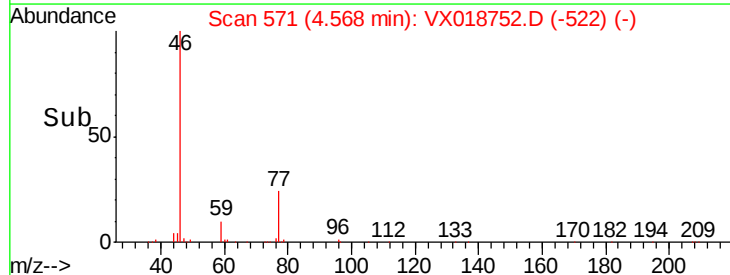
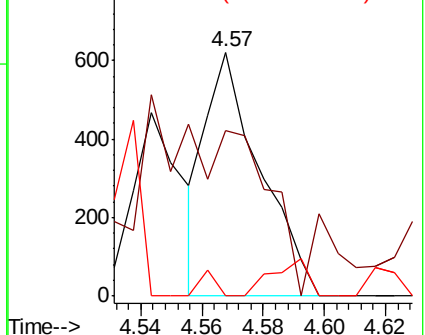
68 0.0 0.3 0.7#

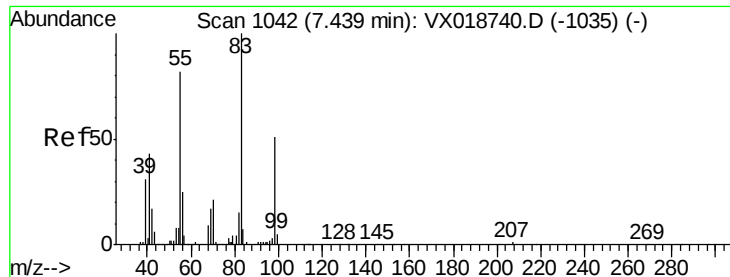


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 68.15 (67.85 to 68.85): VX0

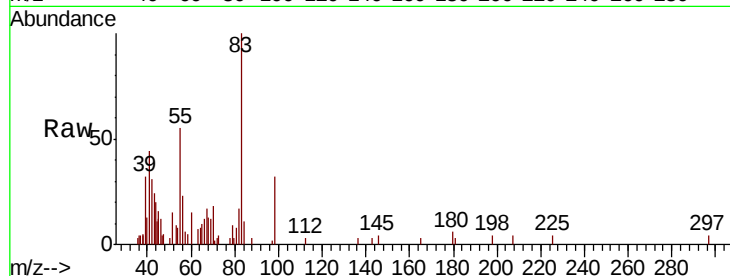




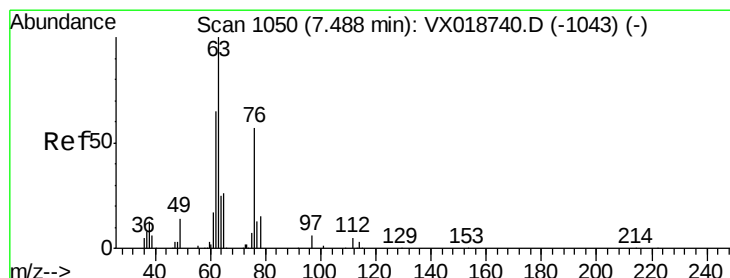
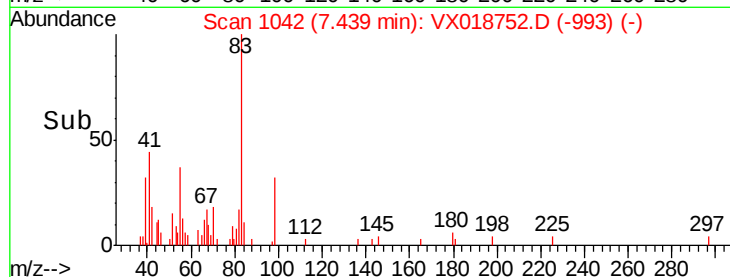
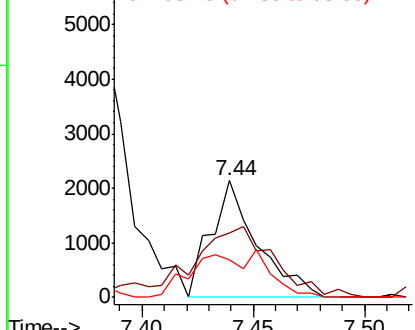
#35
Methylcyclohexane
Concen: 0.193 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX018752.D
Acq: 02 Oct 2020 17:04

Instrument :
MSVOA_X
ClientSampled :
BG3W0DL

Tot Ion: 83 Resp: 3098
Ion Ratio Lower Upper
83 100
55 113.4 60.3 90.5#
98 61.9 39.4 59.0#

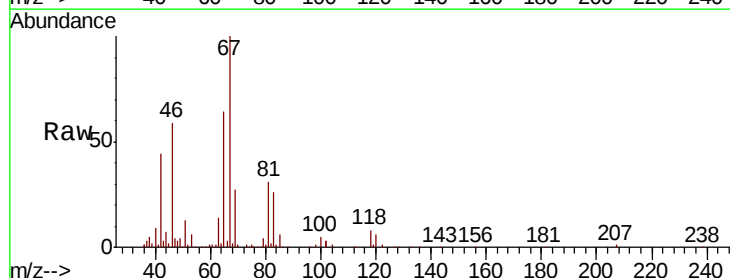


Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

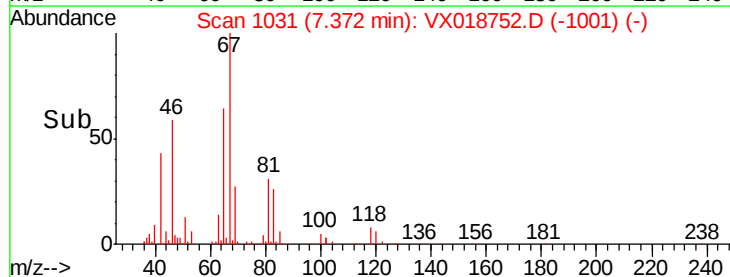
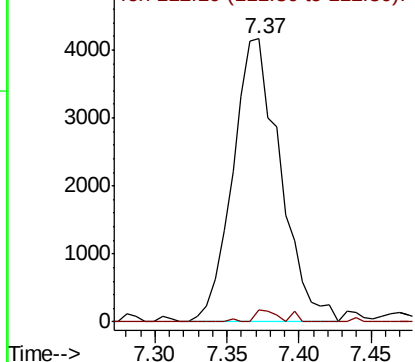


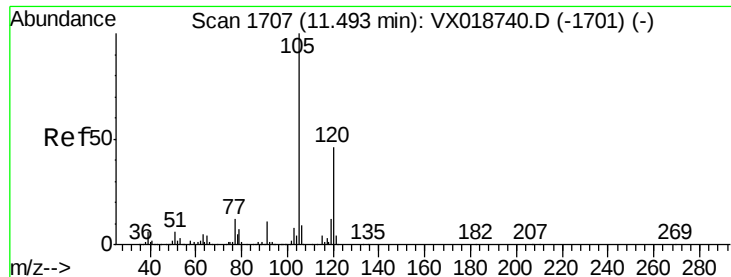
#37
1,2-Dichloropropane
Concen: 0.994 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VX018752.D
Acq: 02 Oct 2020 17:04

Tgt Ion: 63 Resp: 9546
Ion Ratio Lower Upper
63 100
112 1.8 4.7 7.1#



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

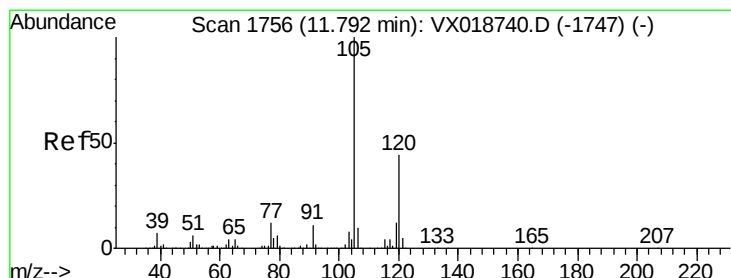
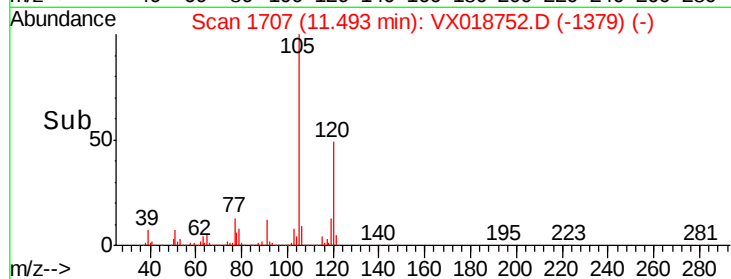
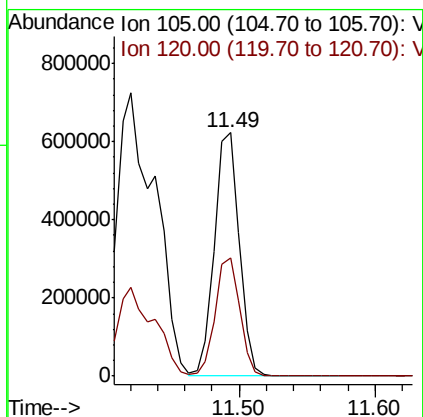
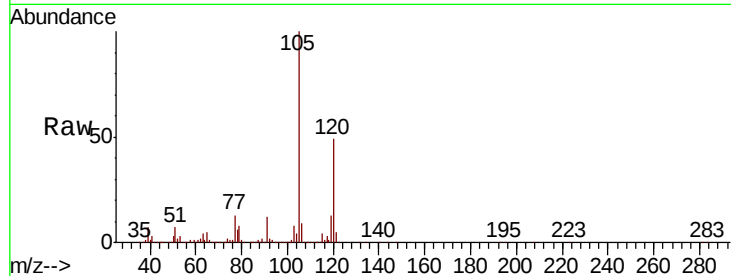




#43
 1,3,5-Trimethylbenzene
 Concen: 19.899 ug/L
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX018752.D
 Acq: 02 Oct 2020 17:04

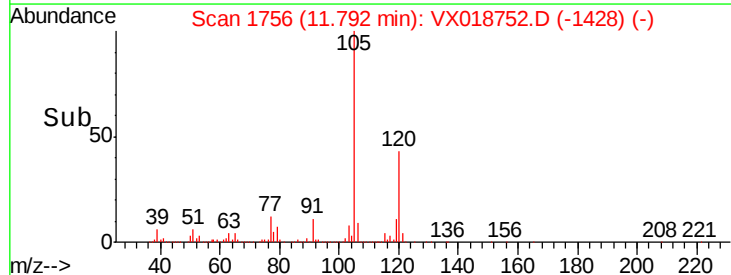
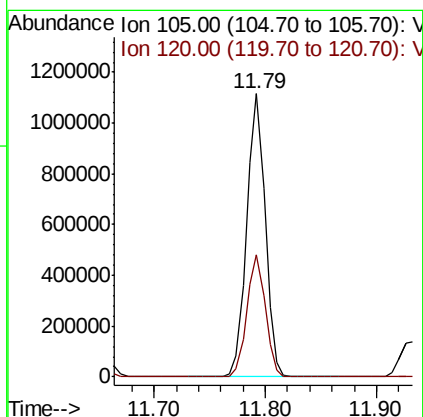
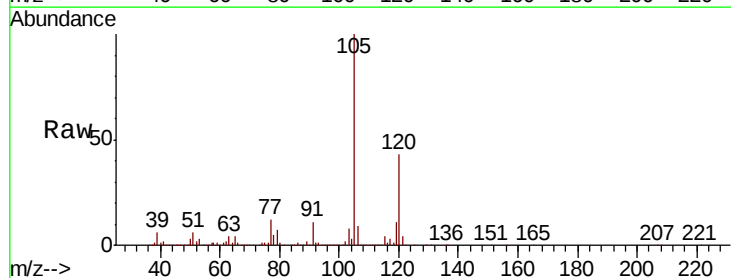
Instrument :
 MSVOA_X
 ClientSampleID :
 BG3W0DL

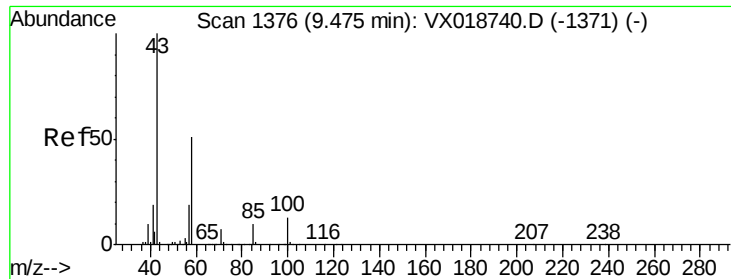
Tot Ion:105 Resp: 789807
 Ion Ratio Lower Upper
 105 100
 120 48.3 37.7 56.5



#44
 1,2,4-Trimethylbenzene
 Concen: 31.740 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX018752.D
 Acq: 02 Oct 2020 17:04

Tgt Ion:105 Resp: 1278723
 Ion Ratio Lower Upper
 105 100
 120 43.2 35.1 52.7

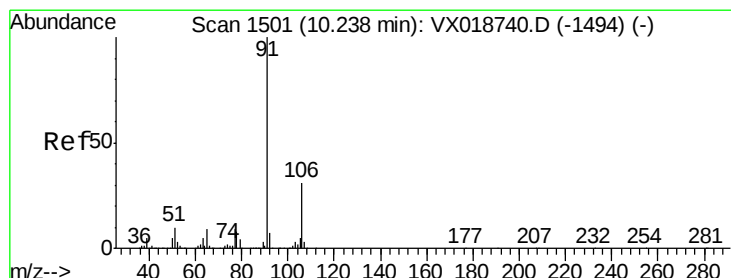
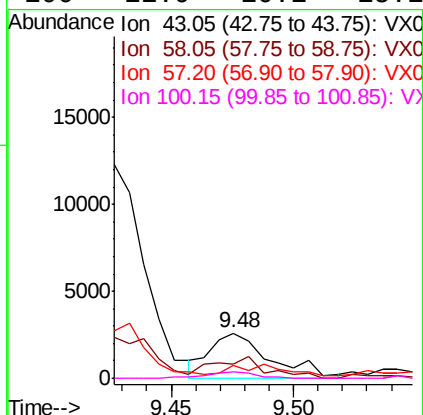
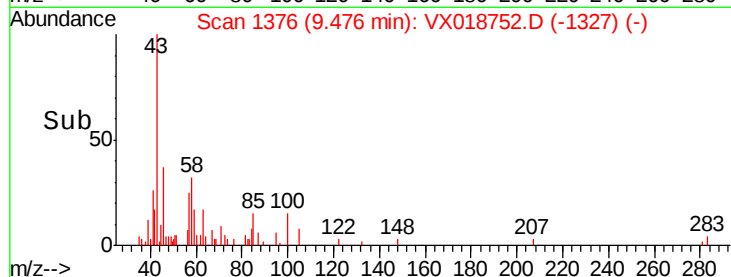
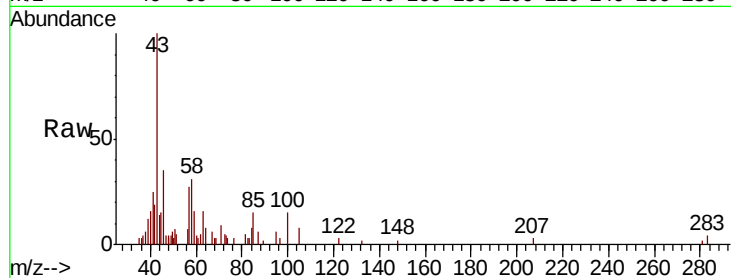




#50
2-Hexanone
Concen: 1.095 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX018752.D
Acq: 02 Oct 2020 17:04

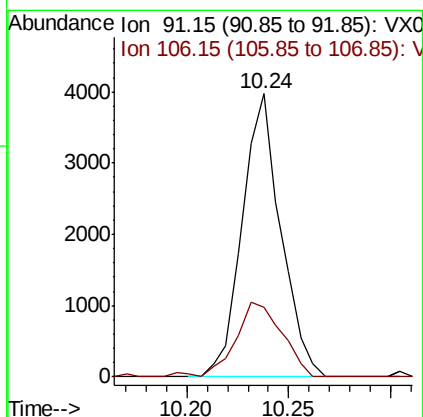
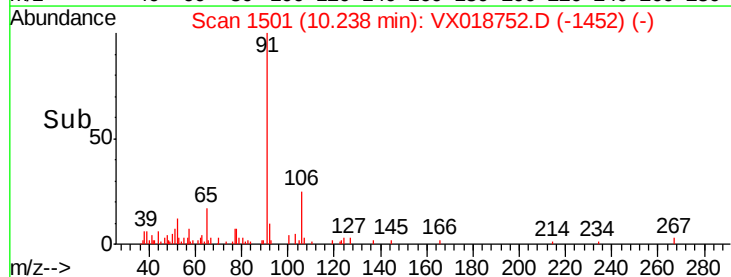
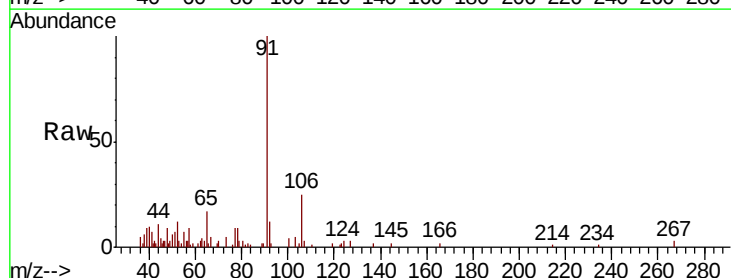
Instrument :
MSVOA_X
ClientSampleId :
BG3W0DL

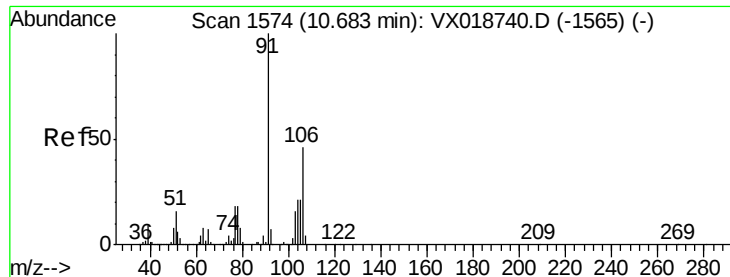
Tot Ion: 43 Resp: 4422
Ion Ratio Lower Upper
43 100
58 40.7 41.0 61.4#
57 29.6 15.9 23.9#
100 11.9 10.1 15.1



#54
Ethylbenzene
Concen: 0.111 ug/L
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX018752.D
Acq: 02 Oct 2020 17:04

Tgt Ion: 91 Resp: 5231
Ion Ratio Lower Upper
91 100
106 24.5 21.5 39.9

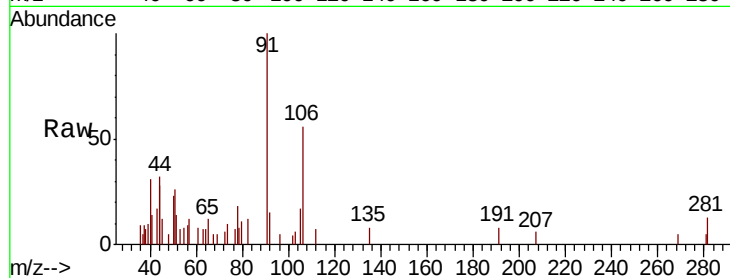




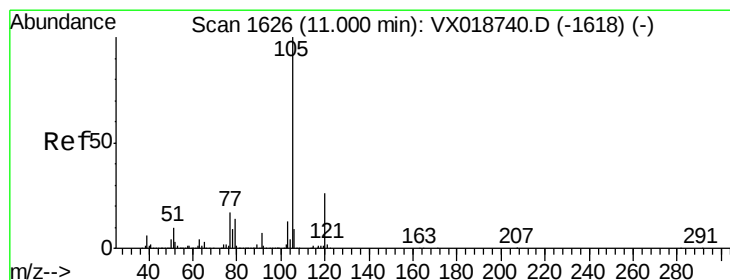
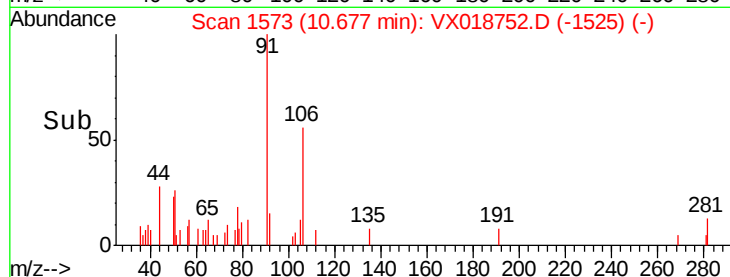
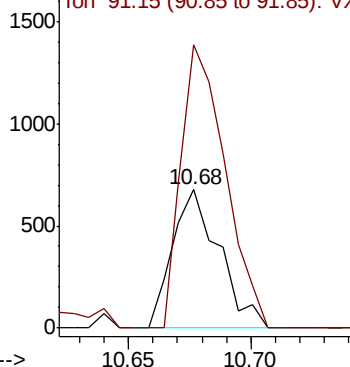
#56
o-xylene
Concen: 0.053 ug/L
RT: 10.68 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VX018752.D
Acq: 02 Oct 2020 17:04

Instrument :
MSVOA_X
ClientSampled :
BG3W0DL

Tot Ion:106 Resp: 899
Ion Ratio Lower Upper
106 100
91 204.9 153.4 284.8

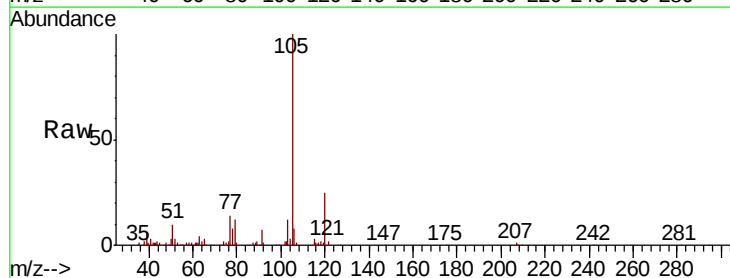


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VX0

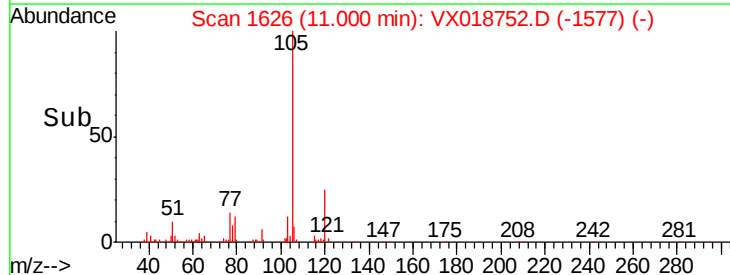
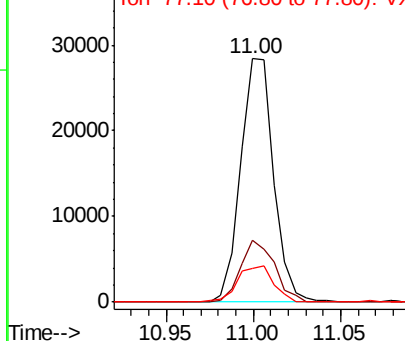


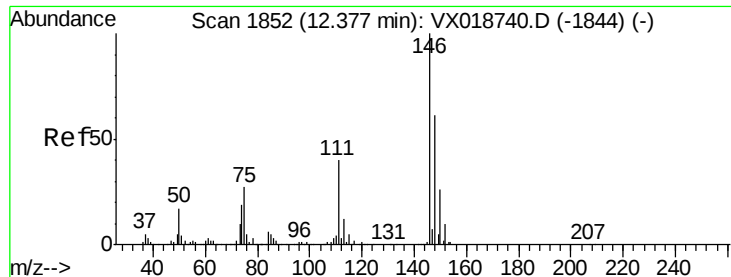
#58
Isopropylbenzene
Concen: 0.785 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX018752.D
Acq: 02 Oct 2020 17:04

Tgt Ion:105 Resp: 37238
Ion Ratio Lower Upper
105 100
120 26.0 20.2 30.2
77 16.3 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





#66

1,2-Dichlorobenzene

Concen: 0.078 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX018752.D

Acq: 02 Oct 2020 17:04

Instrument :

MSVOA_X

ClientSampled :

BG3W0DL

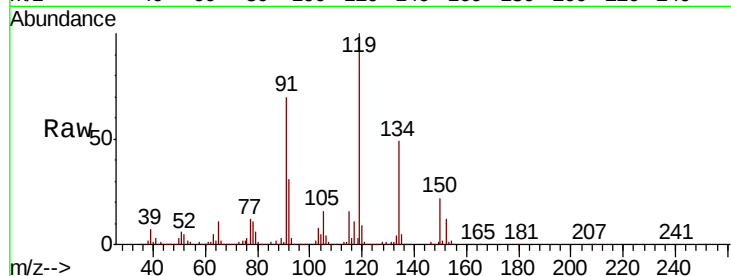
Tot Ion:146 Resp: 1816

Ion Ratio Lower Upper

146 100

111 73.7 31.7 47.5#

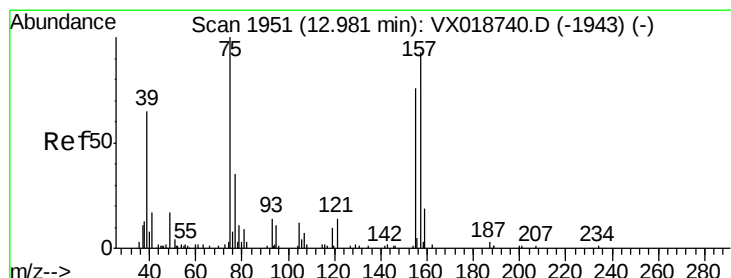
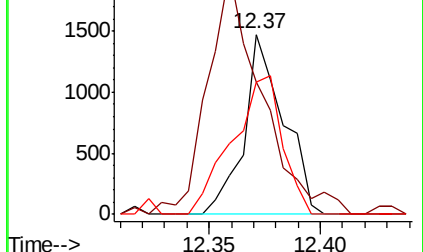
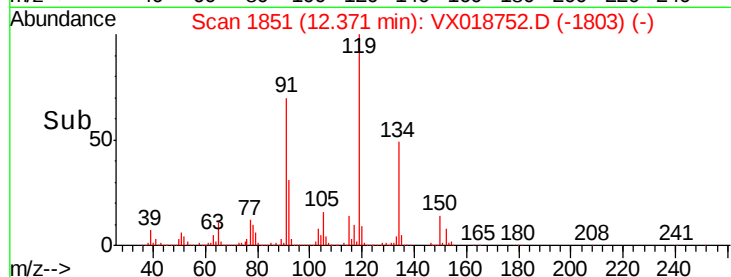
148 73.5 49.0 73.6



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



#67

1,2-Dibromo-3-chloropropane

Concen: 8.188 ug/L

RT: 13.00 min Scan# 1954

Delta R.T. 0.02 min

Lab File: VX018752.D

Acq: 02 Oct 2020 17:04

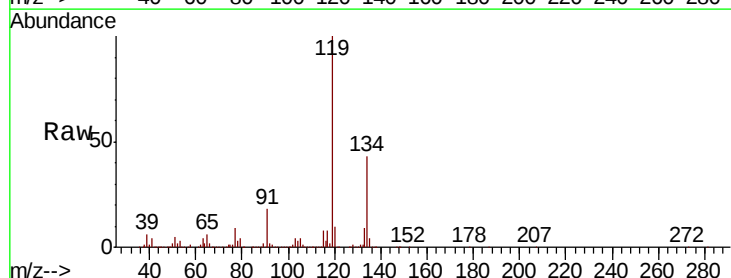
Tgt Ion: 75 Resp: 16295

Ion Ratio Lower Upper

75 100

155 0.0 61.1 91.7#

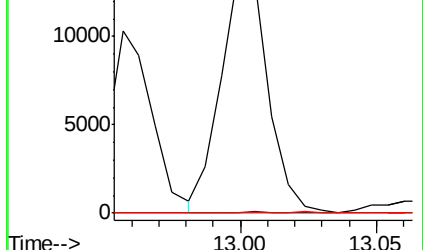
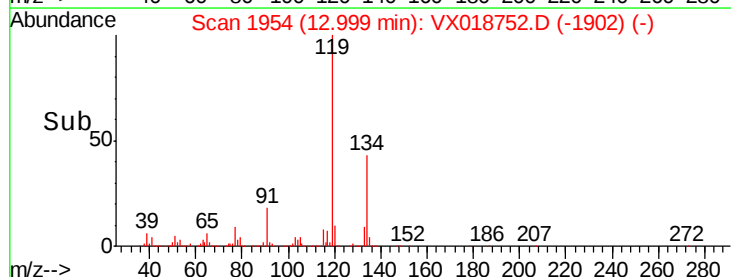
157 0.0 74.2 111.2#

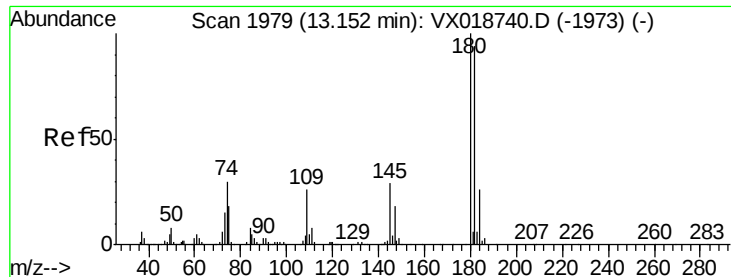


Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

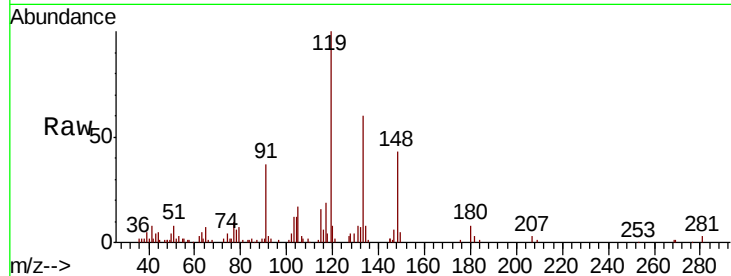




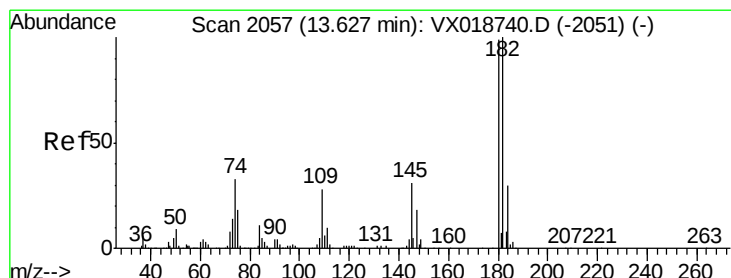
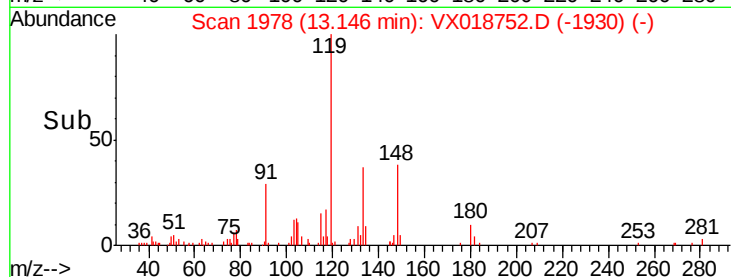
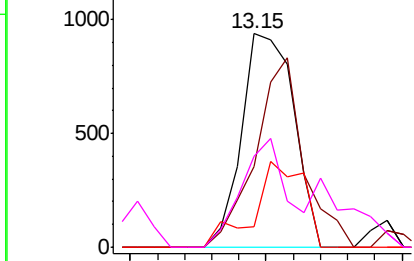
#68
 1,3,5-Trichlorobenzene
 Concen: 0.065 ug/L
 RT: 13.15 min Scan# 1978
 Delta R.T. -0.01 min
 Lab File: VX018752.D
 Acq: 02 Oct 2020 17:04

Instrument :
 MSVOA_X
 ClientSampled :
 BG3W0DL

Tot Ion:180 Resp: 1252
 Ion Ratio Lower Upper
 180 100
 182 81.9 74.1 111.1
 184 37.9 23.4 35.2#
 145 44.9 23.6 35.4#

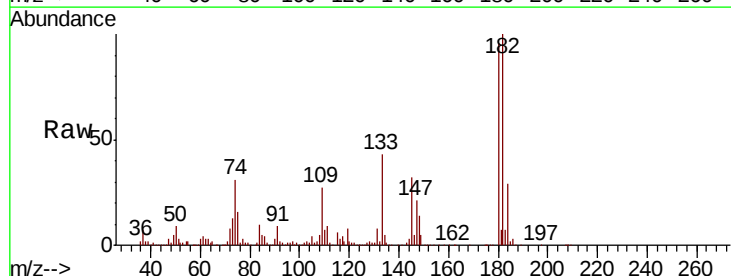


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

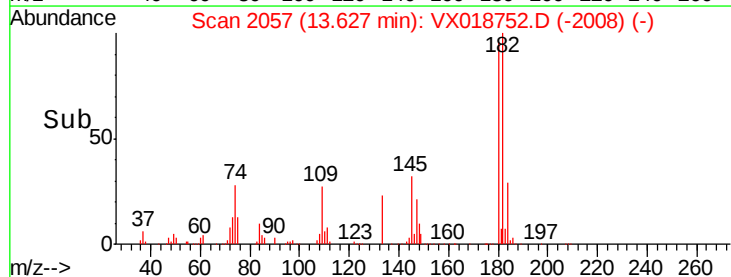
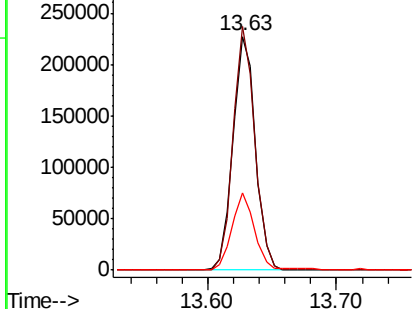


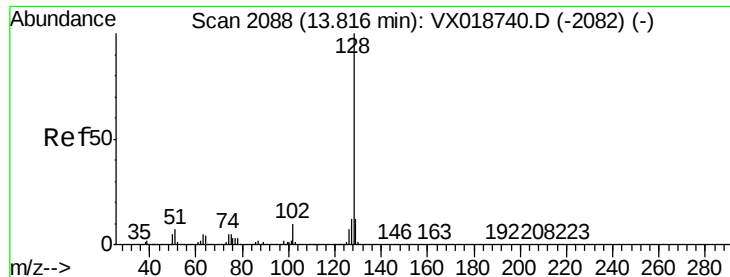
#69
 1,2,4-trichlorobenzene
 Concen: 17.318 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018752.D
 Acq: 02 Oct 2020 17:04

Tgt Ion:180 Resp: 276767
 Ion Ratio Lower Upper
 180 100
 182 100.7 80.2 120.4
 145 34.2 25.2 37.8



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

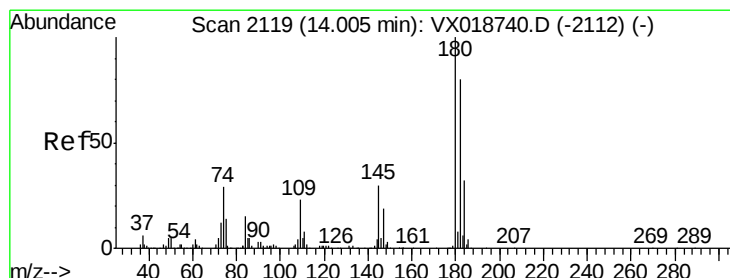
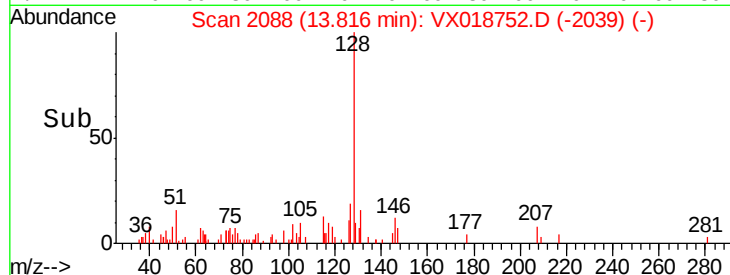
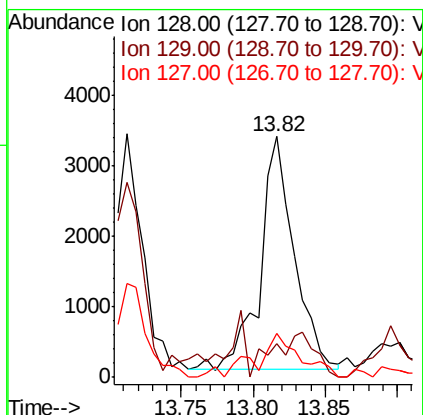
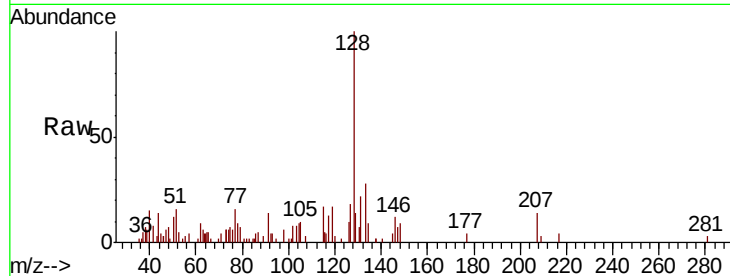




#70
Naphthalene
Concen: 0.206 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX018752.D
Acq: 02 Oct 2020 17:04

Instrument :
MSVOA_X
ClientSampleId :
BG3W0DL

Tot Ion:128 Resp: 5394
Ion Ratio Lower Upper
128 100
129 19.2 9.0 13.4#
127 17.7 10.5 15.7#



#71
1,2,3-Trichlorobenzene
Concen: 4.307 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. -0.01 min
Lab File: VX018752.D
Acq: 02 Oct 2020 17:04

Tgt Ion:180 Resp: 61930
Ion Ratio Lower Upper
180 100
182 100.8 73.6 110.4
145 40.7 26.6 40.0#

