

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
 Data File : VX018750.D
 Acq On : 02 Oct 2020 16:16
 Operator : JC/SP
 Sample : L4171-13DL2 50X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 03 05:21:36 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	6.83	114	176205	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	165977	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	92620	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	54474	5.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.80%
7) Chloroethane-d5	1.70	69	43829	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.80%
11) 1,1-Dichloroethene-d2	2.34	63	104409	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.00%
20) 2-Butanone-d5	4.56	46	157892	58.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.96%
24) Chloroform-d	5.14	84	135336	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
26) 1,2-Dichloroethane-d4	6.03	65	84368	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
32) Benzene-d6	6.05	84	233964	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.40%
36) 1,2-Dichloropropane-d6	7.37	67	67053	5.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.40%
41) Toluene-d8	8.70	98	228121	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.20%
45) trans-1,3-Dichloropropene-	8.99	79	35265	5.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.80%
48) 2-Hexanone-d5	9.43	63	129655	60.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.60%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	51536	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	97801	5.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.34	96	1269	0.145	ug/L #	1
14) Carbon disulfide	2.55	76	2437	0.089	ug/L #	93
15) Methyl Acetate	2.87	43	518500	143.122	ug/L #	48
16) Methylene chloride	2.84	84	4522	0.425	ug/L #	54
30) Cyclohexane	5.56	56	2616	0.192	ug/L #	88
33) Benzene	6.05	78	2347	0.068	ug/L	100
35) Methylcyclohexane	7.37	83	17996	1.238	ug/L #	20
39) cis-1,3-Dichloropropene	8.37	75	2933	0.211	ug/L	94
43) 1,3,5-Trimethylbenzene	11.49	105	582909	16.194	ug/L	99
44) 1,2,4-Trimethylbenzene	11.79	105	884493	24.209	ug/L	100
50) 2-Hexanone	9.43	43	17545	4.789	ug/L #	67
58) Isopropylbenzene	11.00	105	27215	0.633	ug/L	98
67) 1,2-Dibromo-3-chloropropan	13.00	75	9079	5.068	ug/L #	7
69) 1,2,4-trichlorobenzene	13.63	180	154137	10.715	ug/L	95
70) Naphthalene	13.82	128	3078	0.131	ug/L #	89
71) 1,2,3-Trichlorobenzene	14.00	180	33769	2.609	ug/L	96

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

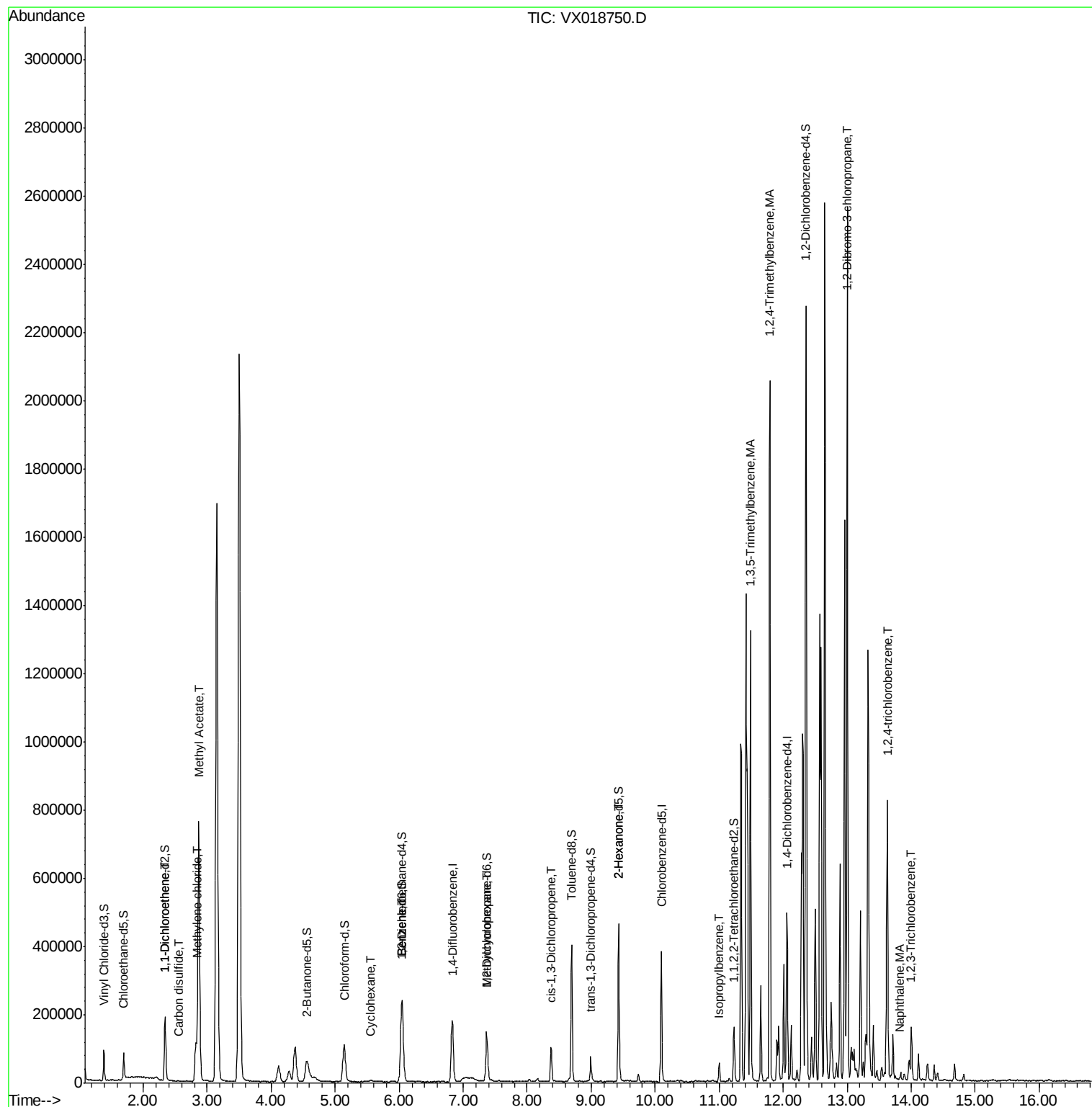
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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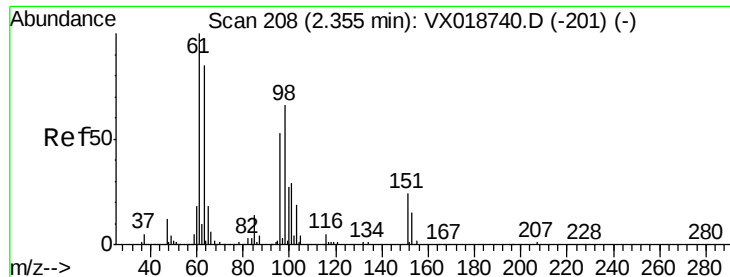
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.145 ug/L

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX018750.D

Acq: 02 Oct 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

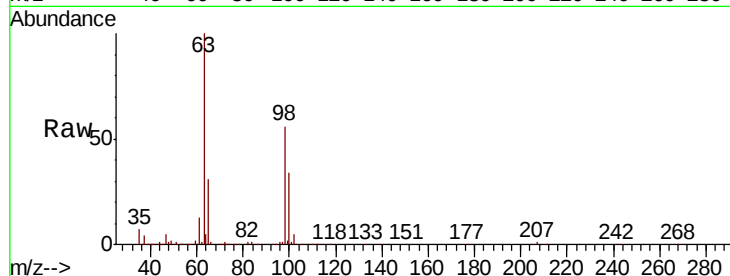
Tot Ion: 96 Resp: 1269

Ion Ratio Lower Upper

96 100

61 1160.5 133.2 247.4#

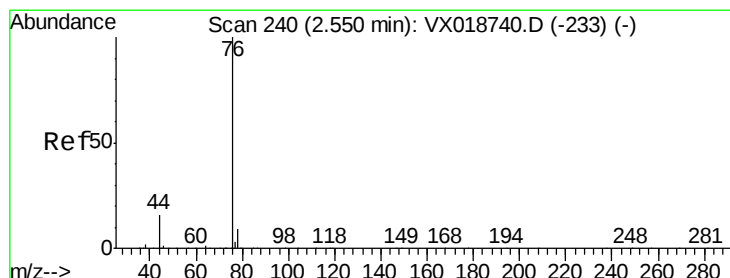
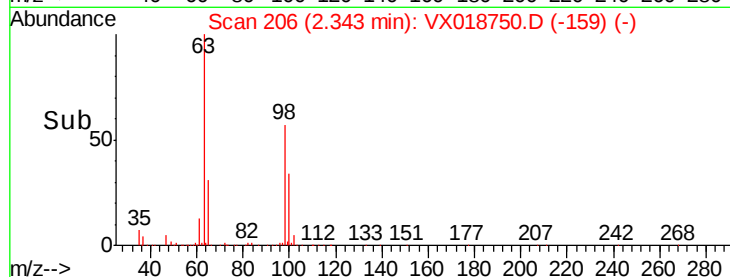
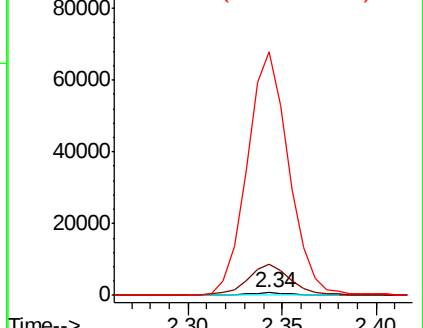
63 8995.0 115.1 213.7#



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



#14

Carbon disulfide

Concen: 0.089 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018750.D

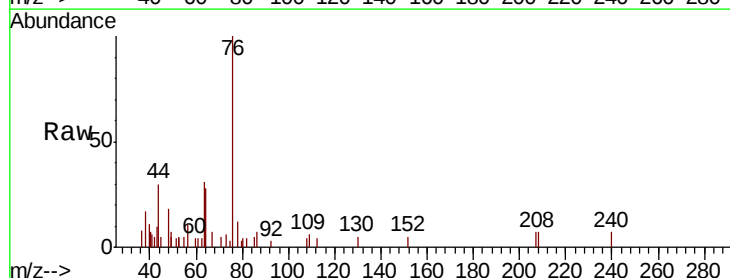
Acq: 02 Oct 2020 16:16

Tgt Ion: 76 Resp: 2437

Ion Ratio Lower Upper

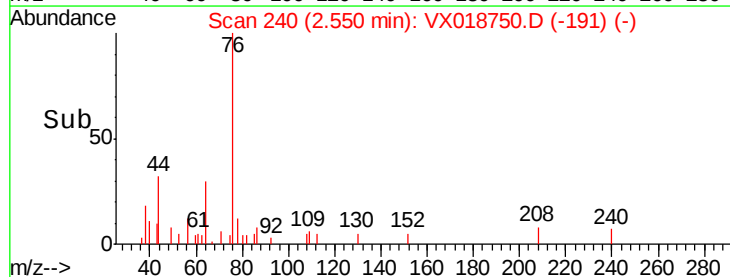
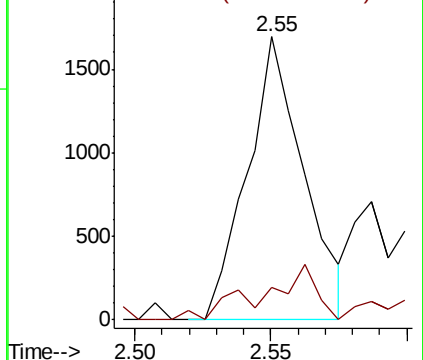
76 100

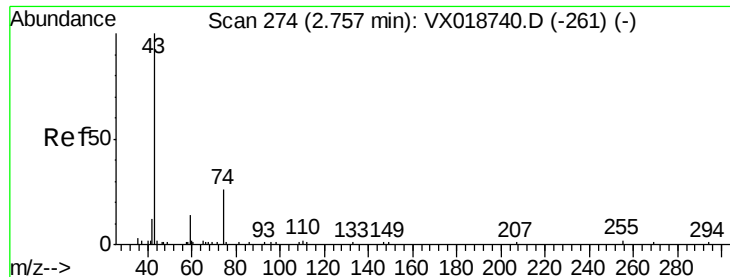
78 11.7 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0





#15

Methyl Acetate

Concen: 143.122 ug/L

RT: 2.87 min Scan# 292

Delta R.T. 0.11 min

Lab File: VX018750.D

Acq: 02 Oct 2020 16:16

Instrument :

MSVOA_X

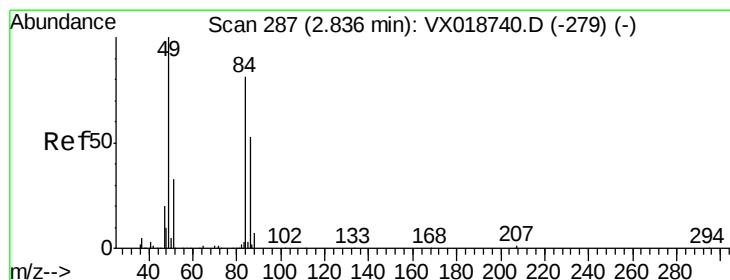
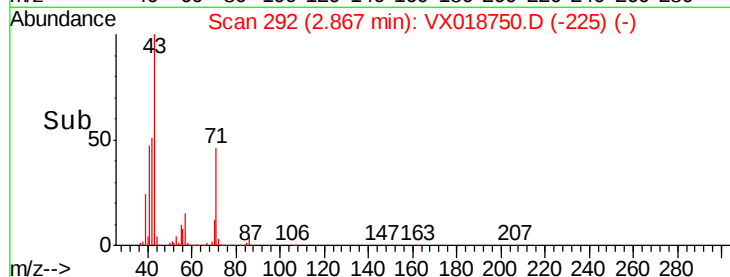
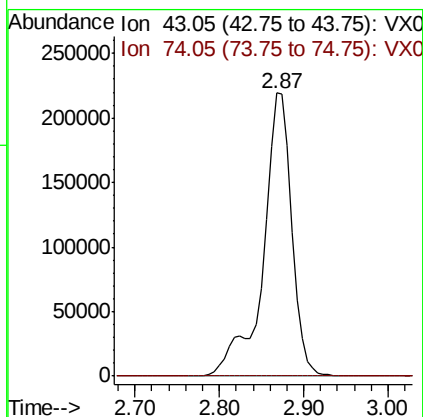
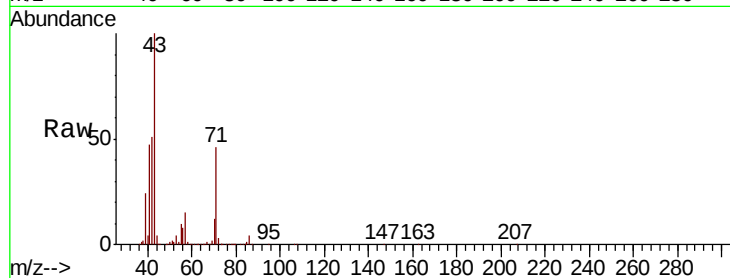
ClientSampled :

Tot Ion: 43 Resp: 518500

Ion Ratio Lower Upper

43 100

74 0.1 21.9 32.9#



#16

Methylene chloride

Concen: 0.425 ug/L

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX018750.D

Acq: 02 Oct 2020 16:16

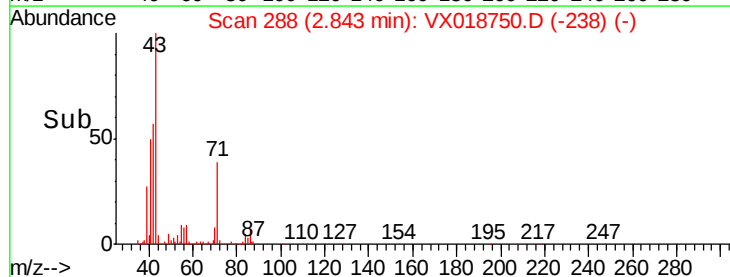
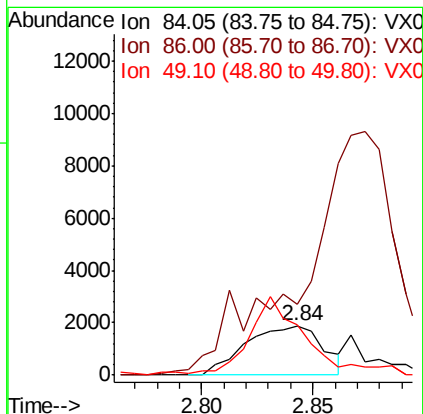
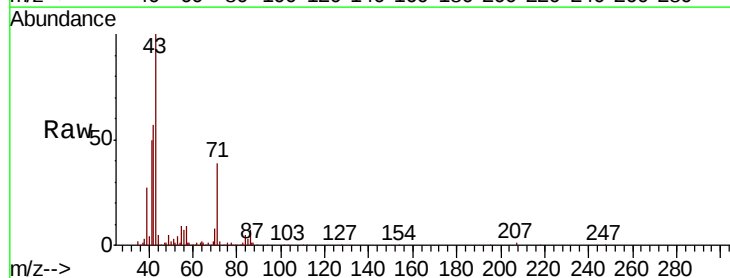
Tgt Ion: 84 Resp: 4522

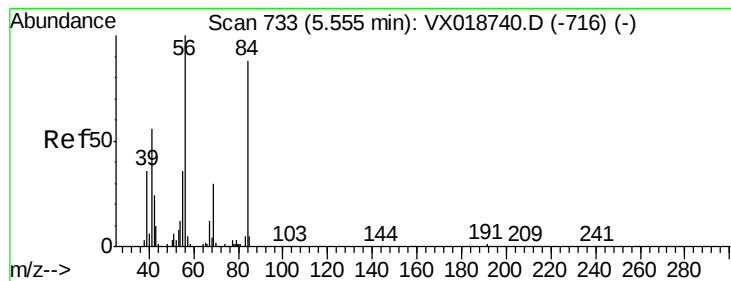
Ion Ratio Lower Upper

84 100

86 142.8 45.6 84.8#

49 102.2 85.8 159.3





#30

Cyclohexane

Concen: 0.192 ug/L

RT: 5.56 min Scan# 733

Delta R.T. 0.00 min

Lab File: VX018750.D

Acq: 02 Oct 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

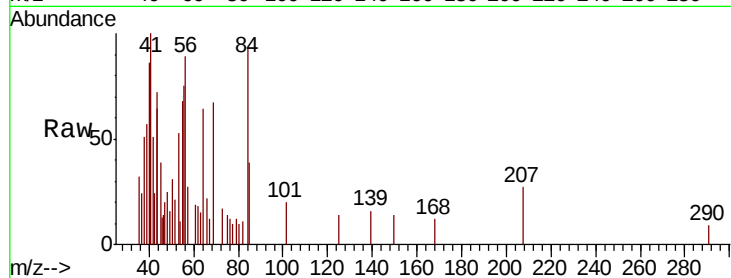
Tot Ion: 56 Resp: 2616

Ion Ratio Lower Upper

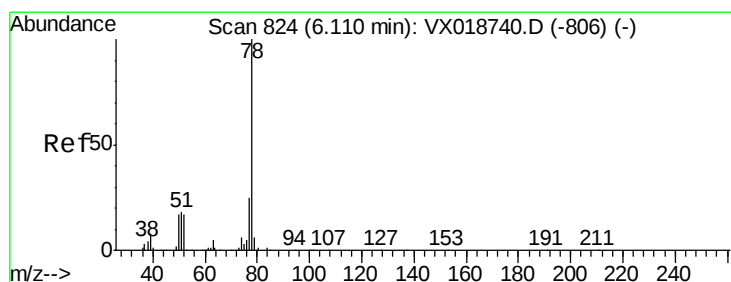
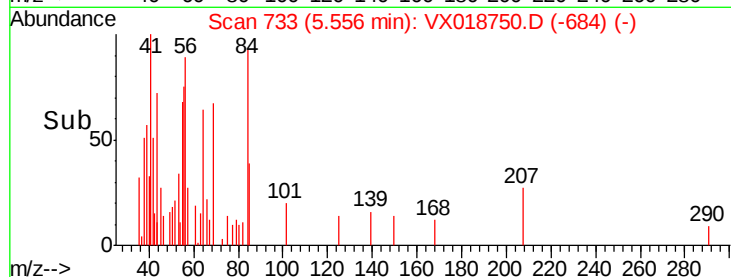
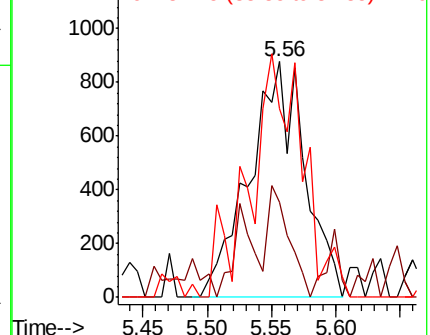
56 100

69 17.6 26.0 39.0#

84 98.5 73.8 110.6



Abundance Ion 56.10 (55.80 to 56.80): VX0
Ion 69.15 (68.85 to 69.85): VX0
Ion 84.15 (83.85 to 84.85): VX0



#33

Benzene

Concen: 0.068 ug/L

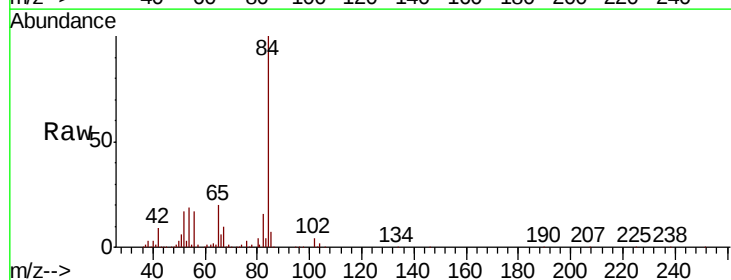
RT: 6.05 min Scan# 814

Delta R.T. -0.06 min

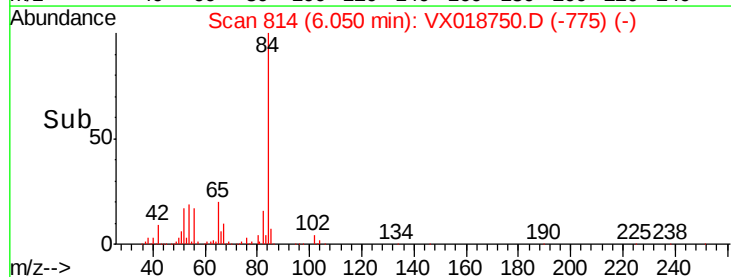
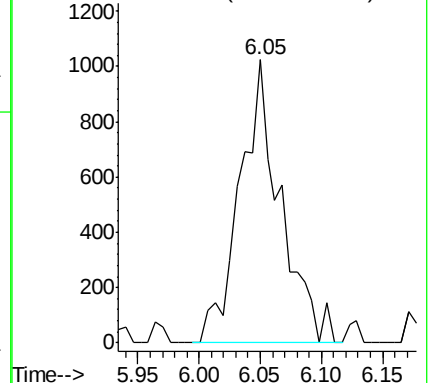
Lab File: VX018750.D

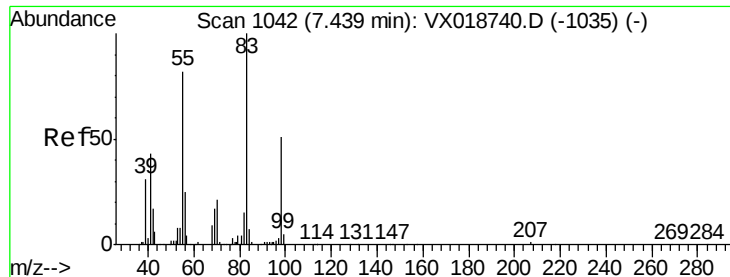
Acq: 02 Oct 2020 16:16

Tgt Ion: 78 Resp: 2347



Abundance Ion 78.10 (77.80 to 78.80): VX0

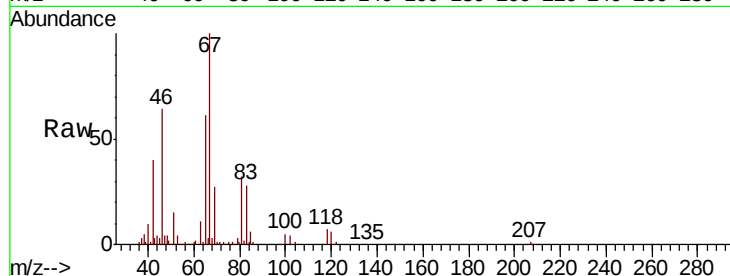




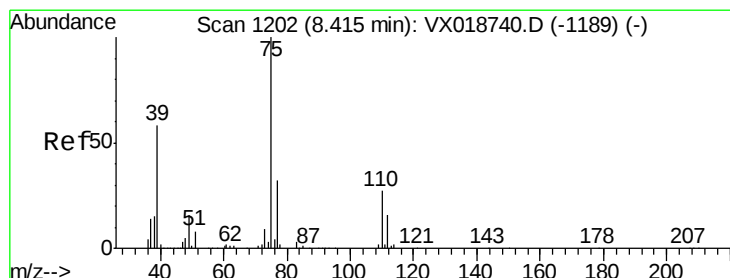
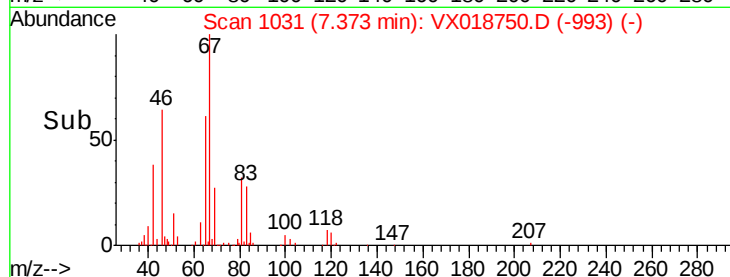
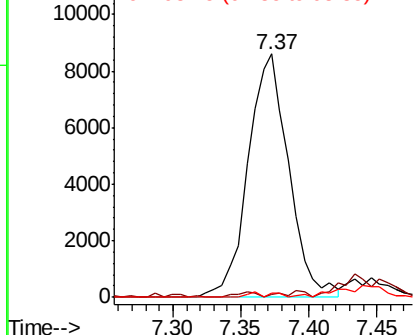
#35
Methvlcvclohexane
Concen: 1.238 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.07 min
Lab File: VX018750.D
Acq: 02 Oct 2020 16:16

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 17996
Ion Ratio Lower Upper
83 100
55 1.5 60.3 90.5#
98 0.6 39.4 59.0#

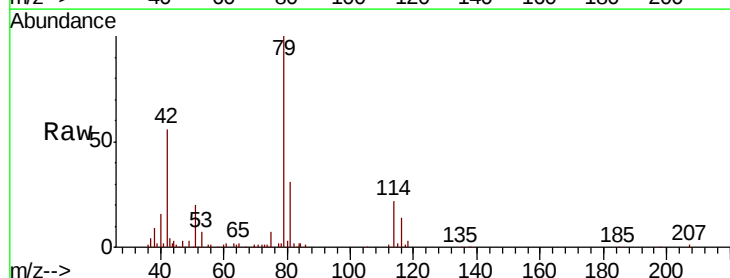


Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

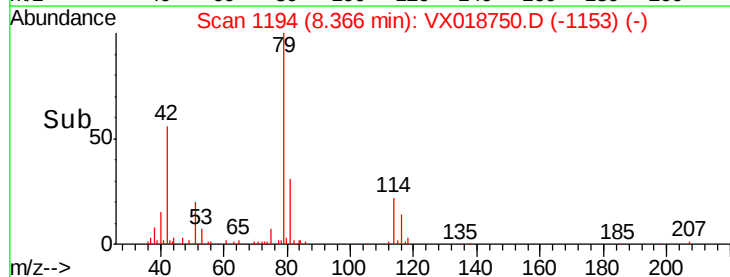
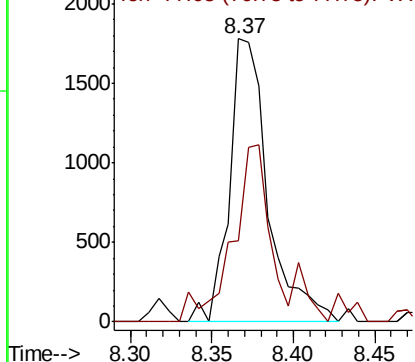


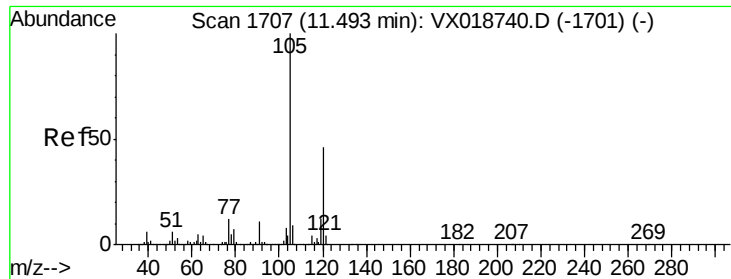
#39
cis-1,3-Dichloropropene
Concen: 0.211 ug/L
RT: 8.37 min Scan# 1194
Delta R.T. -0.05 min
Lab File: VX018750.D
Acq: 02 Oct 2020 16:16

Tgt Ion: 75 Resp: 2933
Ion Ratio Lower Upper
75 100
77 28.6 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VX0
Ion 77.05 (76.75 to 77.75): VX0

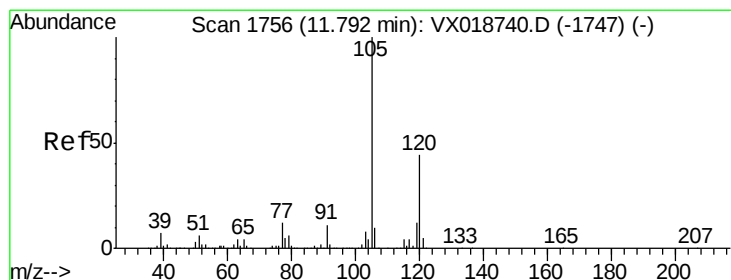
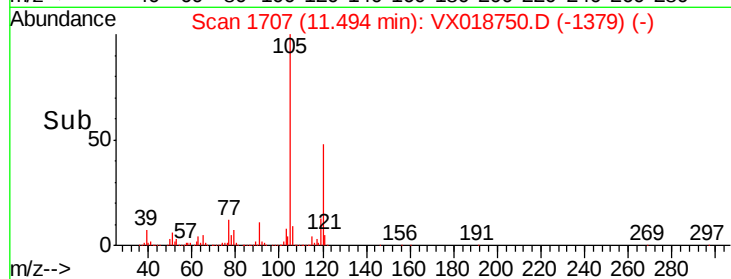
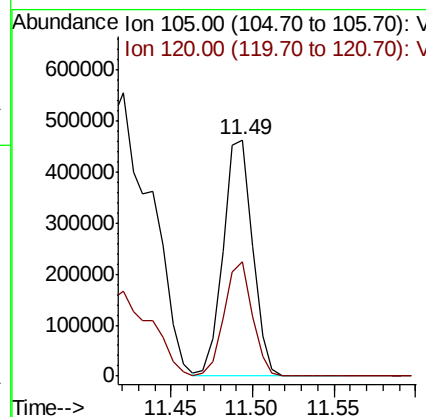
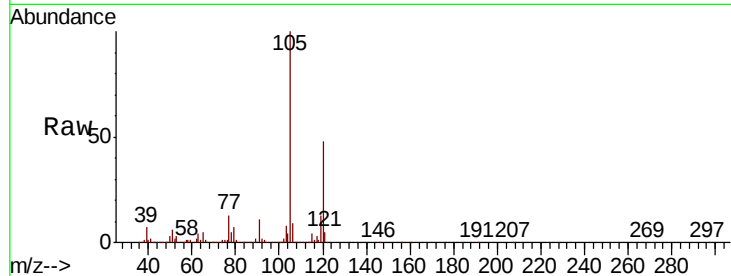




#43
 1,3,5-Trimethylbenzene
 Concen: 16.194 ug/L
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX018750.D
 Acq: 02 Oct 2020 16:16

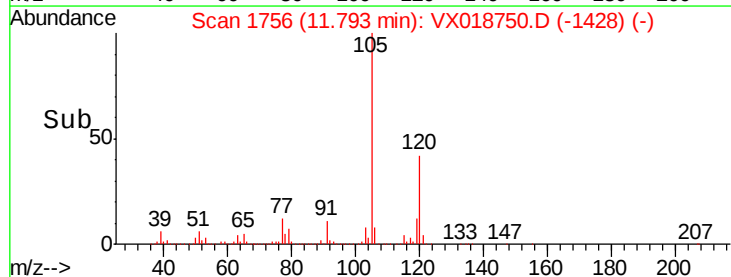
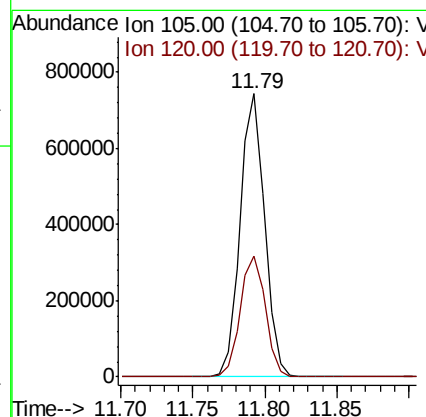
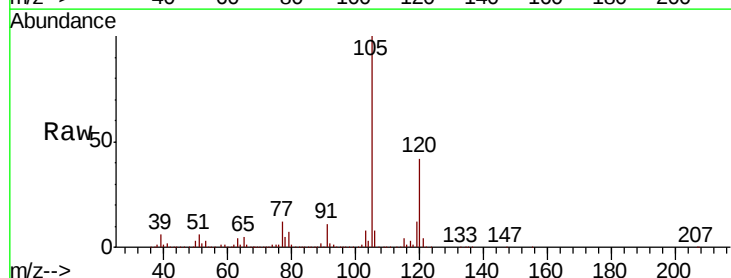
Instrument :
 MSVOA_X
 ClientSampleId :

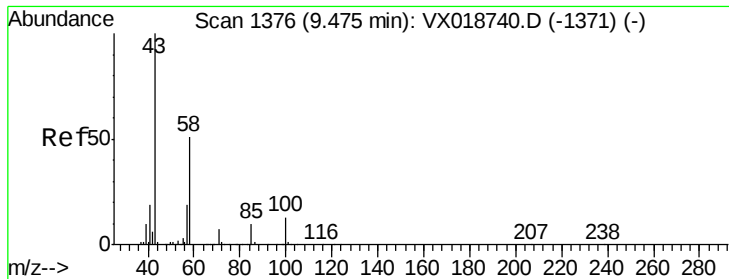
Tot Ion:105 Resp: 582909
 Ion Ratio Lower Upper
 105 100
 120 46.7 37.7 56.5



#44
 1,2,4-Trimethylbenzene
 Concen: 24.209 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX018750.D
 Acq: 02 Oct 2020 16:16

Tgt Ion:105 Resp: 884493
 Ion Ratio Lower Upper
 105 100
 120 43.9 35.1 52.7

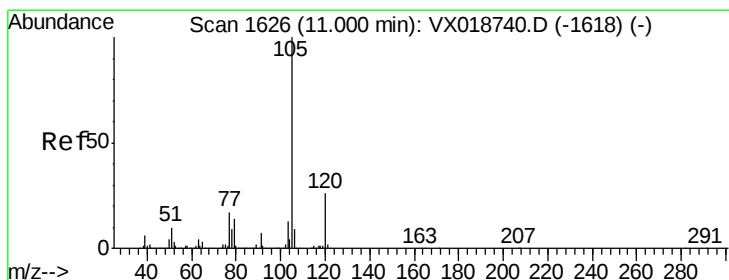
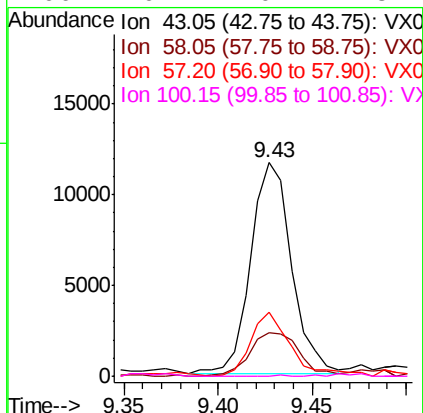
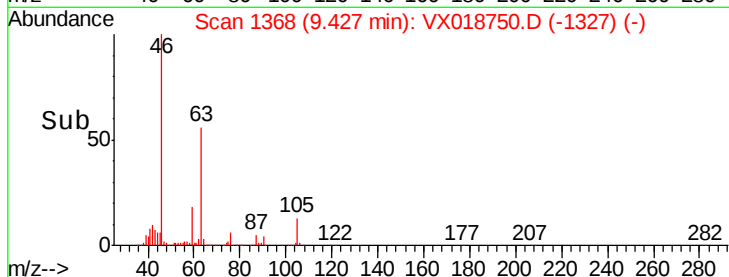
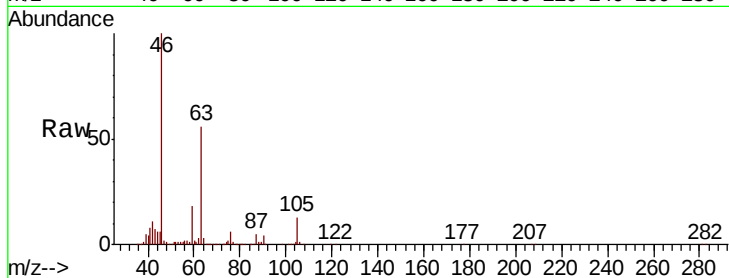




#50
2-Hexanone
Concen: 4.789 ug/L
RT: 9.43 min Scan# 1368
Delta R.T. -0.05 min
Lab File: VX018750.D
Acq: 02 Oct 2020 16:16

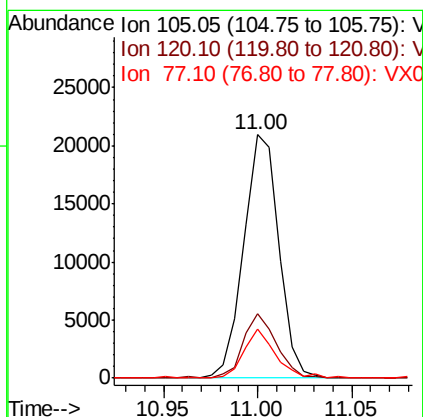
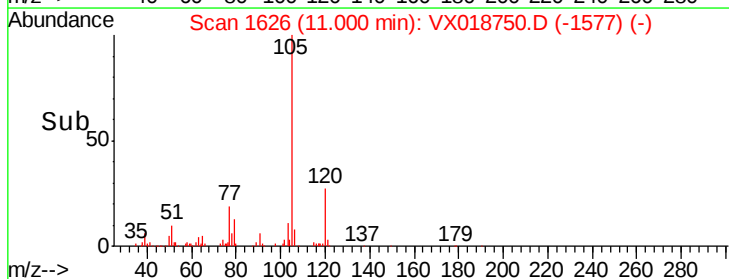
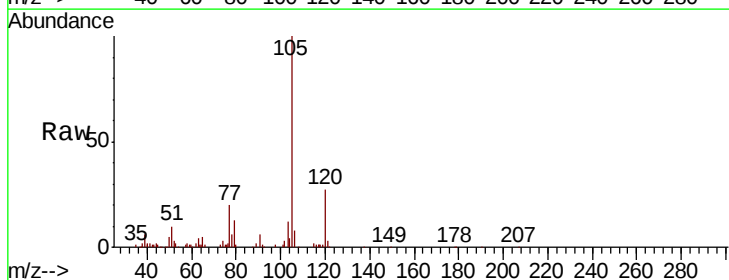
Instrument :
MSVOA_X
ClientSampleId :

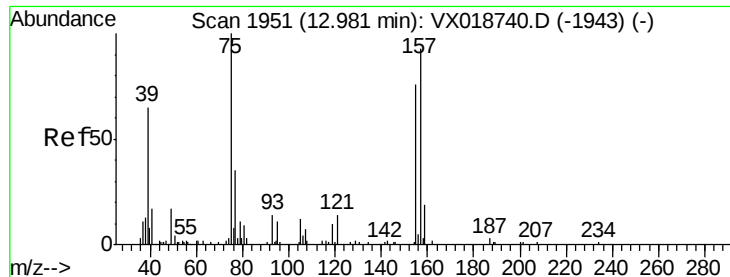
Tot Ion: 43 Resp: 17545
Ion Ratio Lower Upper
43 100
58 25.0 41.0 61.4#
57 29.7 15.9 23.9#
100 0.2 10.1 15.1#



#58
Isopropylbenzene
Concen: 0.633 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX018750.D
Acq: 02 Oct 2020 16:16

Tgt Ion: 105 Resp: 27215
Ion Ratio Lower Upper
105 100
120 24.9 20.2 30.2
77 18.5 13.3 19.9





#67

1,2-Dibromo-3-chloropropane

Concen: 5.068 ug/L

RT: 13.00 min Scan# 1954

Delta R.T. 0.02 min

Lab File: VX018750.D

Acq: 02 Oct 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

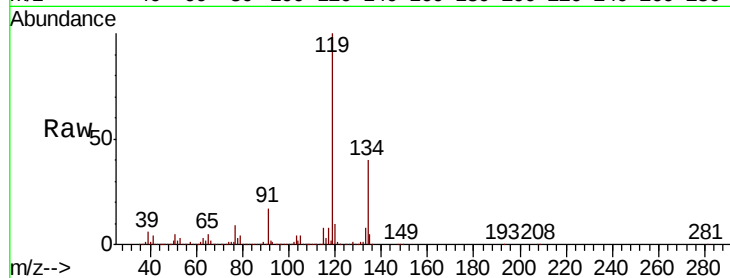
Tot Ion: 75 Resp: 9079

Ion Ratio Lower Upper

75 100

155 0.0 61.1 91.7#

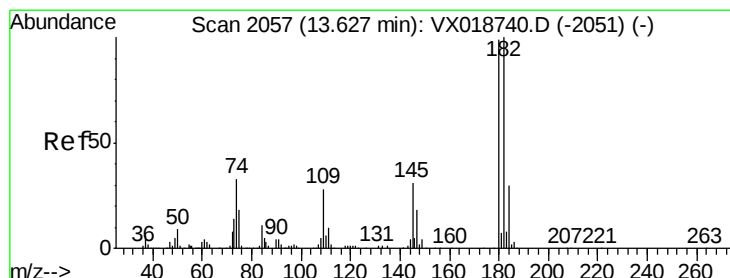
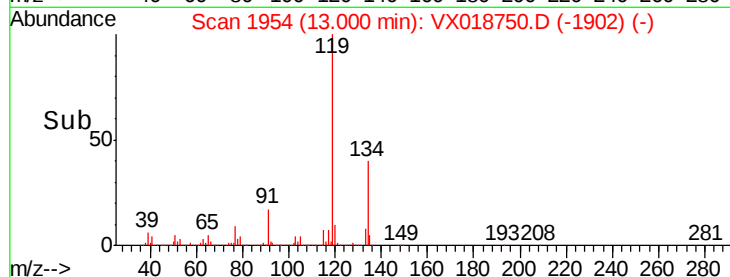
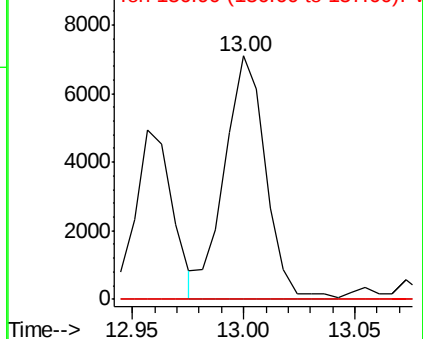
157 0.0 74.2 111.2#



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



#69

1,2,4-trichlorobenzene

Concen: 10.715 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX018750.D

Acq: 02 Oct 2020 16:16

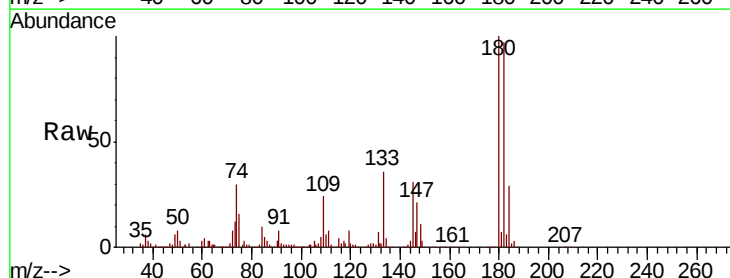
Tgt Ion: 180 Resp: 154137

Ion Ratio Lower Upper

180 100

182 94.7 80.2 120.4

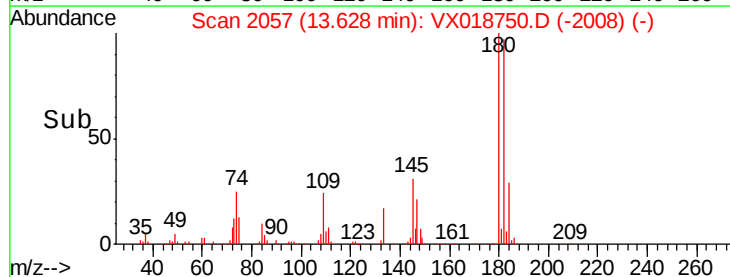
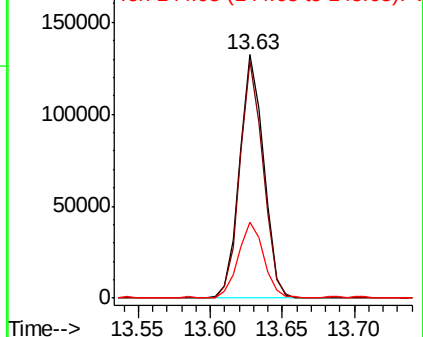
145 32.8 25.2 37.8

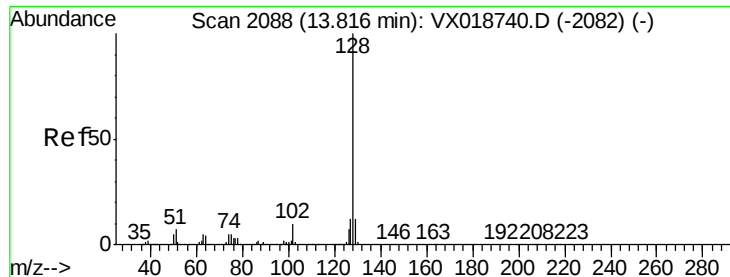


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#70

Naphthalene

Concen: 0.131 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018750.D

Acq: 02 Oct 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

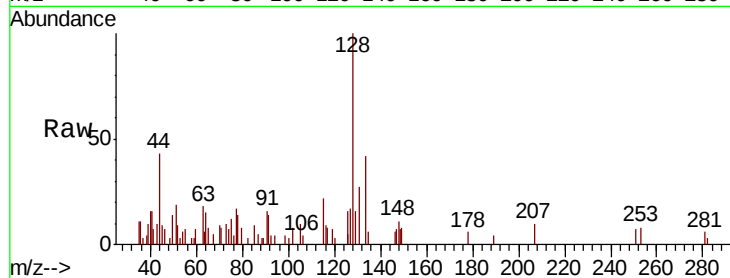
Tot Ion:128 Resp: 3078

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

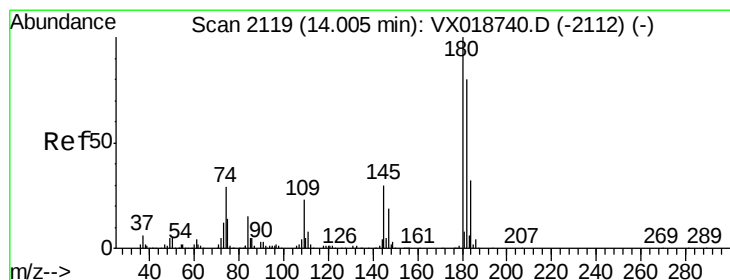
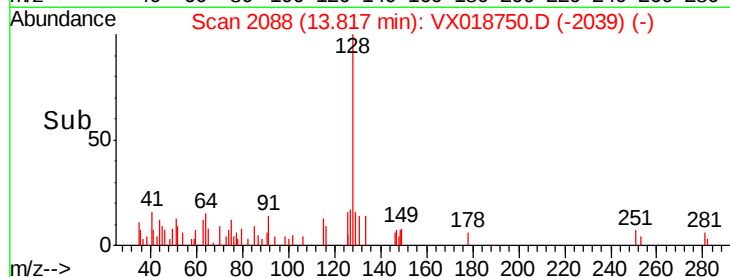
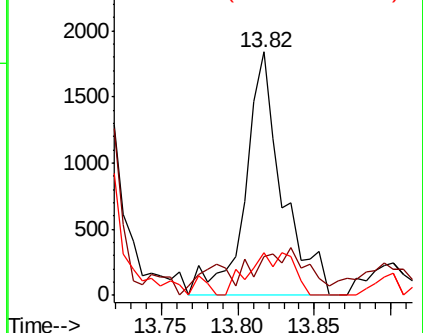
127 21.2 10.5 15.7#



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: 2.609 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX018750.D

Acq: 02 Oct 2020 16:16

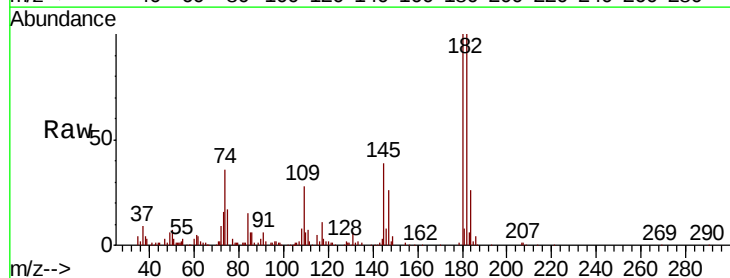
Tgt Ion:180 Resp: 33769

Ion Ratio Lower Upper

180 100

182 95.0 73.6 110.4

145 36.4 26.6 40.0



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

