

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
 Data File : VX018747.D
 Acq On : 02 Oct 2020 15:00
 Operator : JC/SP
 Sample : L4135-18DL 5X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 03 05:21:11 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	188155	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	181349	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	87492	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	62949	5.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.40%
7) Chloroethane-d5	1.70	69	49370	5.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.80%
11) 1,1-Dichloroethene-d2	2.34	63	111924	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.20%
20) 2-Butanone-d5	4.55	46	169447	58.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.56%
24) Chloroform-d	5.14	84	146014	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	6.03	65	88842	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
32) Benzene-d6	6.05	84	256501	5.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.80%
36) 1,2-Dichloropropane-d6	7.37	67	73739	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.20%
41) Toluene-d8	8.70	98	241987	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
45) trans-1,3-Dichloropropene-	8.99	79	36143	5.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.00%
48) 2-Hexanone-d5	9.43	63	137838	58.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.34%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	56900	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
65) 1,2-Dichlorobenzene-d4	12.37	152	96829	6.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.00%

Target Compounds

				Ovalue	
3) Chloromethane	1.31	50	914	0.100	ug/L # 55
6) Bromomethane	1.64	94	1006	0.167	ug/L 99
8) Chloroethane	1.71	64	2217	0.360	ug/L # 73
10) 1,1,2-Trichloro-1,2,2-trif	2.34	101	1238	0.117	ug/L # 28
12) 1,1-Dichloroethene	2.34	96	1529	0.163	ug/L # 1
13) Acetone	2.43	43	1269	0.806	ug/L 68
14) Carbon disulfide	2.56	76	1658	0.057	ug/L # 82
15) Methyl Acetate	2.78	43	300	0.078	ug/L 99
16) Methylene chloride	2.83	84	4597	0.405	ug/L 92
30) Cyclohexane	5.54	56	2107	0.142	ug/L # 92
33) Benzene	6.12	78	249222	6.563	ug/L 100
37) 1,2-Dichloropropane	7.37	63	10058	1.057	ug/L # 84
43) 1,3,5-Trimethylbenzene	11.65	105	9041	0.230	ug/L 86
44) 1,2,4-Trimethylbenzene	11.79	105	3208	0.080	ug/L 98
50) 2-Hexanone	9.43	43	18682	4.667	ug/L # 71
53) Chlorobenzene	10.12	112	67234	2.365	ug/L 97
58) Isopropylbenzene	11.00	105	4856	0.103	ug/L # 92

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

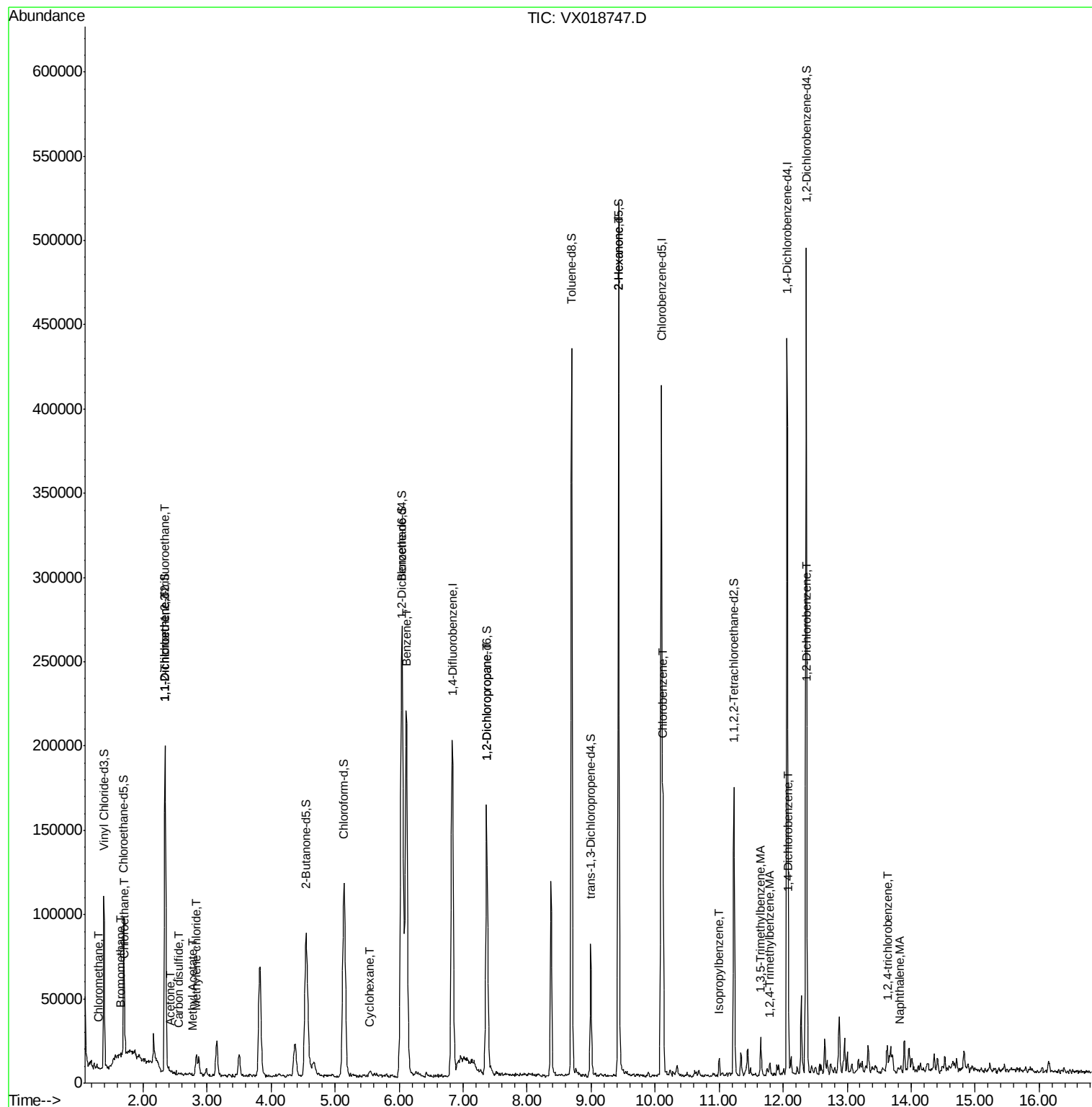
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,4-Dichlorobenzene	12.09	146	8956	0.422	ug/L	94
66) 1,2-Dichlorobenzene	12.38	146	9924	0.500	ug/L #	82
69) 1,2,4-trichlorobenzene	13.63	180	2718	0.200	ug/L #	74
70) Naphthalene	13.82	128	1440	0.065	ug/L #	89

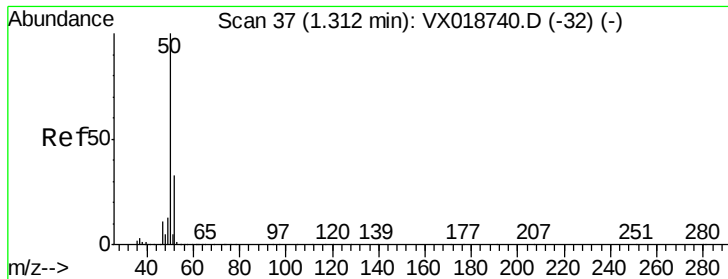
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.100 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.01 min

Lab File: VX018747.D

Acq: 02 Oct 2020 15:00

Instrument :

MSVOA_X

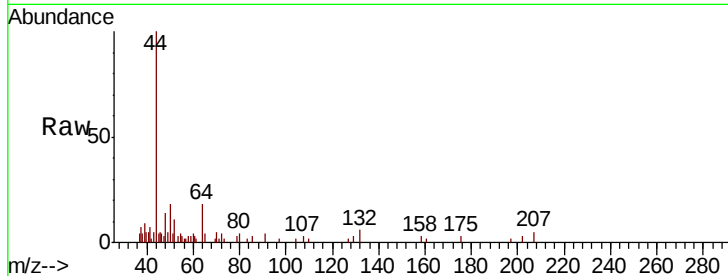
ClientSampled :

Tot Ion: 50 Resp: 914

Ion Ratio Lower Upper

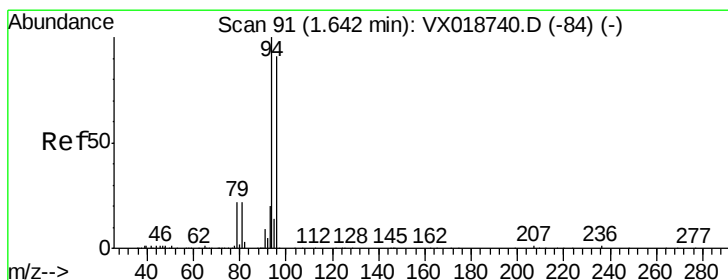
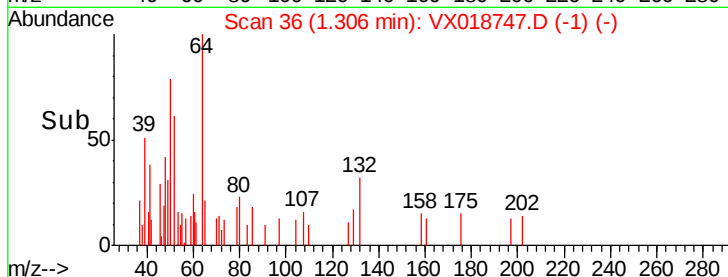
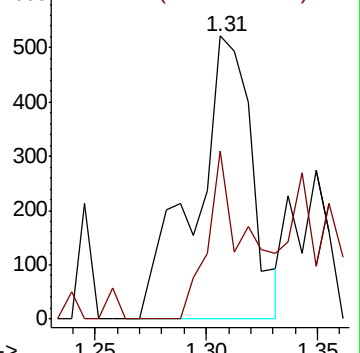
50 100

52 59.4 23.4 43.6#



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0



#6

Bromomethane

Concen: 0.167 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX018747.D

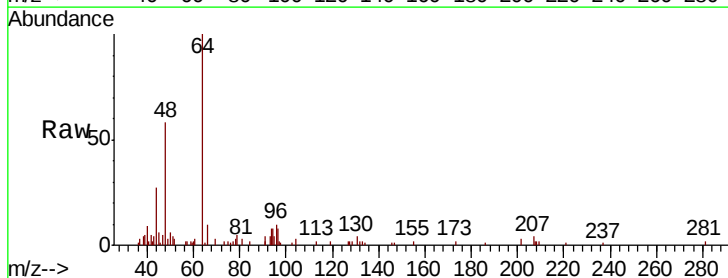
Acq: 02 Oct 2020 15:00

Tgt Ion: 94 Resp: 1006

Ion Ratio Lower Upper

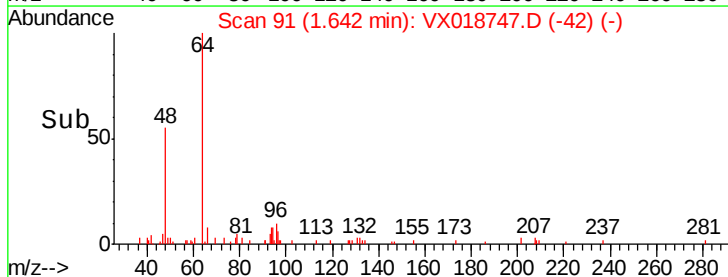
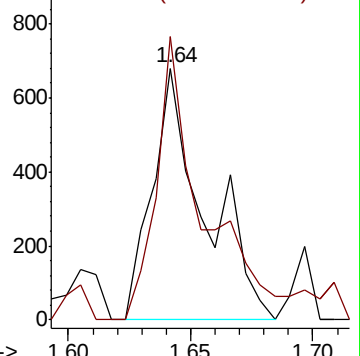
94 100

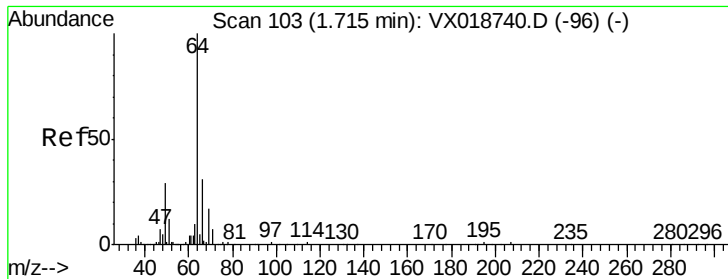
96 91.5 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#8

Chloroethane

Concen: 0.360 ug/L

RT: 1.71 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX018747.D

Acq: 02 Oct 2020 15:00

Instrument :

MSVOA_X

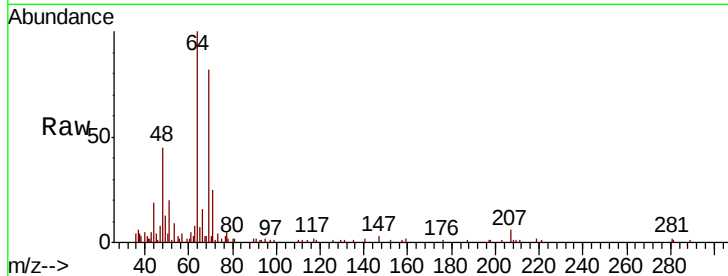
ClientSampleId :

Tot Ion: 64 Resp: 2217

Ion Ratio Lower Upper

64 100

66 16.0 21.5 39.9#



Abundance Ion 64.10 (63.80 to 64.80): VX0

Ion 66.05 (65.75 to 66.75): VX0

1.71

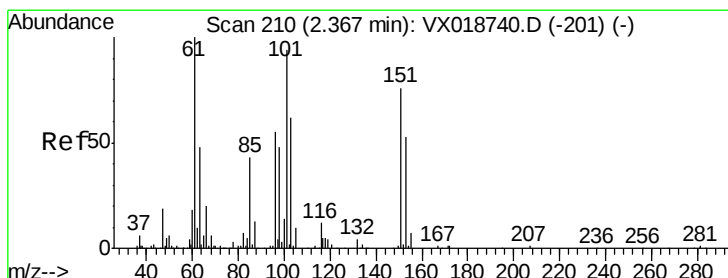
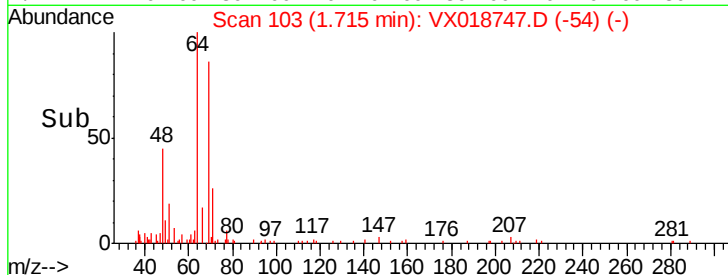
6000

4000

2000

0

Time-->



#10

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

Concen: 0.117 ug/L

RT: 2.34 min Scan# 205

Delta R.T. -0.03 min

Lab File: VX018747.D

Acq: 02 Oct 2020 15:00

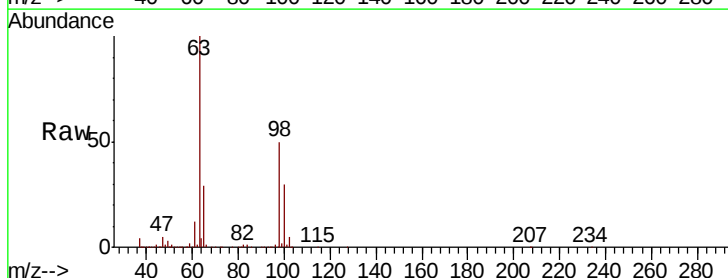
Tgt Ion:101 Resp: 1238

Ion Ratio Lower Upper

101 100

85 15.3 37.1 55.7#

151 4.3 65.0 97.6#



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

1200

1000

800

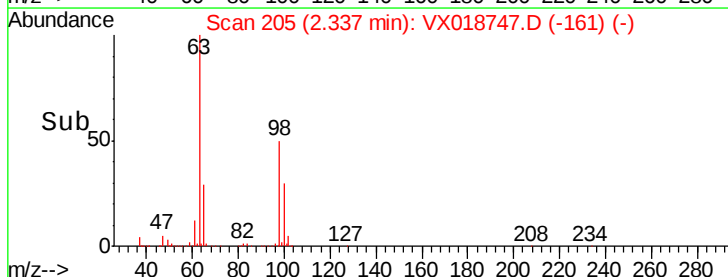
600

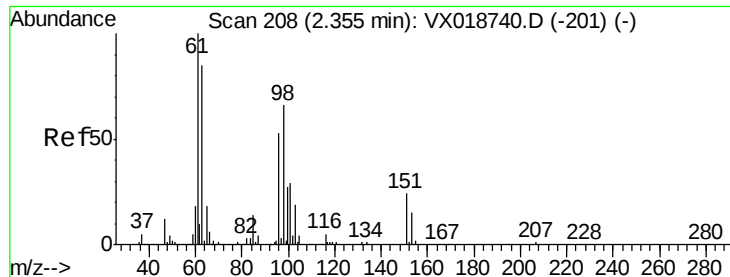
400

200

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.163 ug/L

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX018747.D

Acq: 02 Oct 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

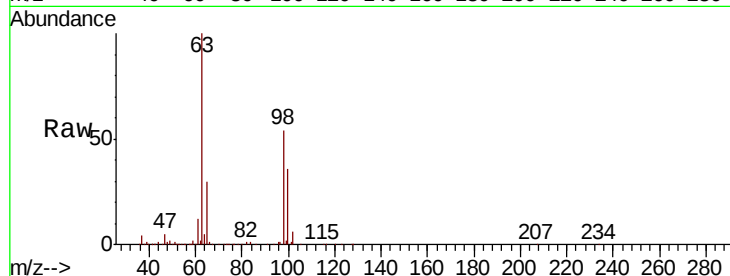
Tot Ion: 96 Resp: 1529

Ion Ratio Lower Upper

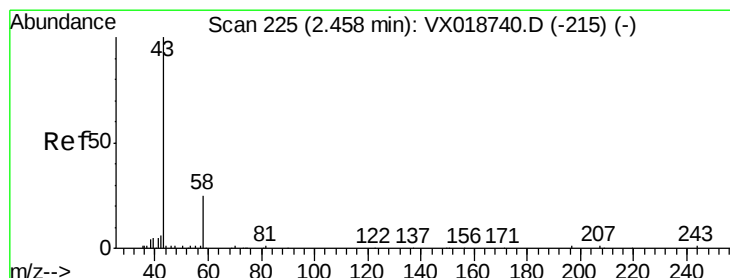
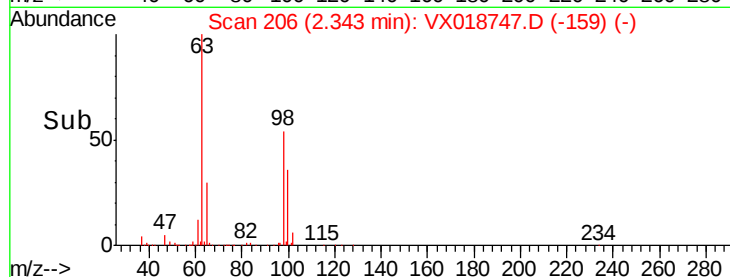
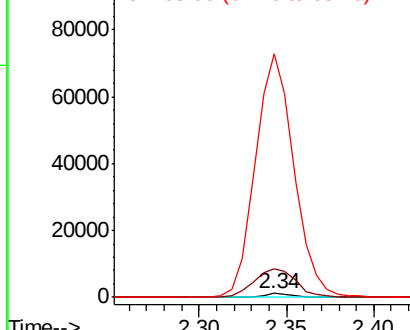
96 100

61 707.2 133.2 247.4#

63 6095.4 115.1 213.7#



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: 0.806 ug/L

RT: 2.43 min Scan# 220

Delta R.T. -0.03 min

Lab File: VX018747.D

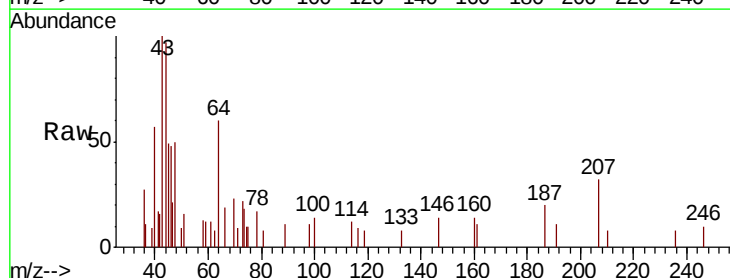
Acq: 02 Oct 2020 15:00

Tgt Ion: 43 Resp: 1269

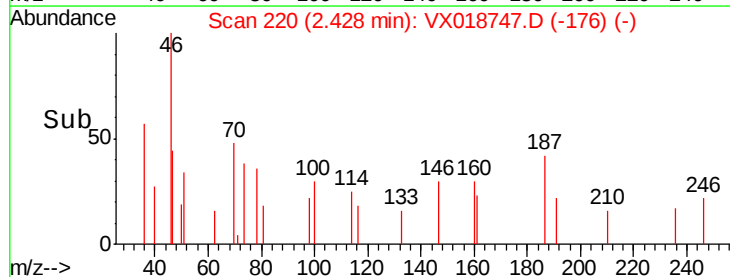
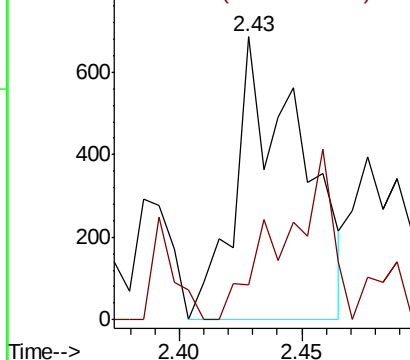
Ion Ratio Lower Upper

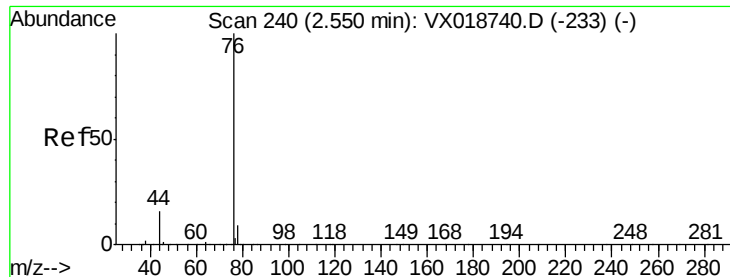
43 100

58 44.8 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: 0.057 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018747.D

Acq: 02 Oct 2020 15:00

Instrument :

MSVOA_X

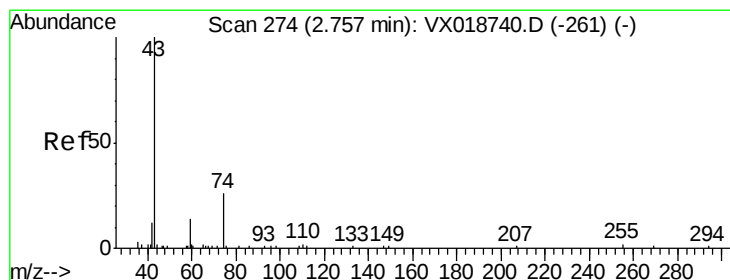
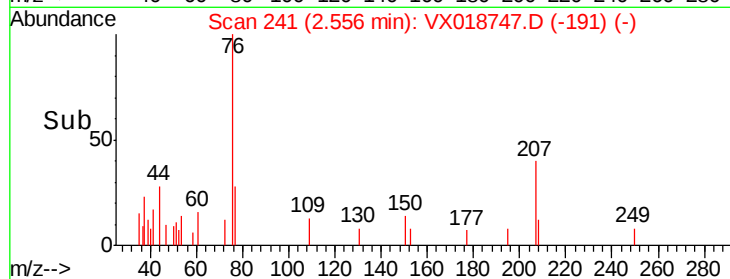
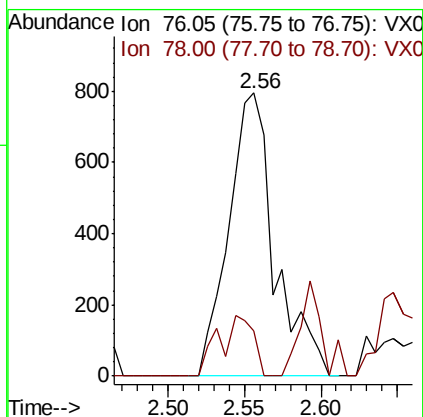
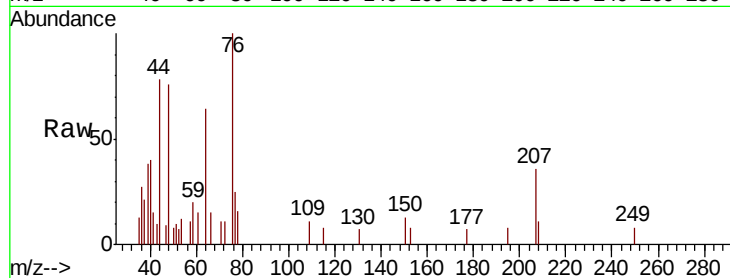
ClientSampleId :

Tot Ion: 76 Resp: 1658

Ion Ratio Lower Upper

76 100

78 15.8 7.4 11.2#



#15

Methyl Acetate

Concen: 0.078 ug/L

RT: 2.78 min Scan# 277

Delta R.T. 0.02 min

Lab File: VX018747.D

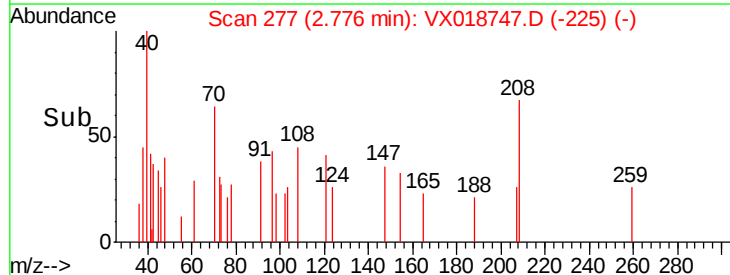
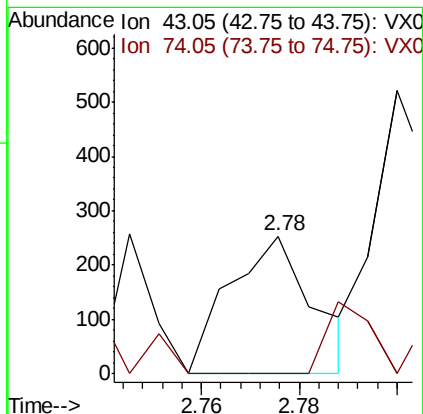
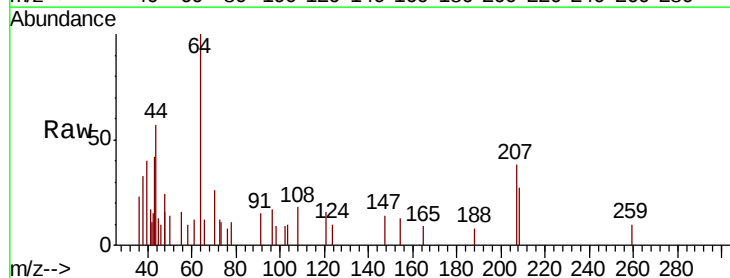
Acq: 02 Oct 2020 15:00

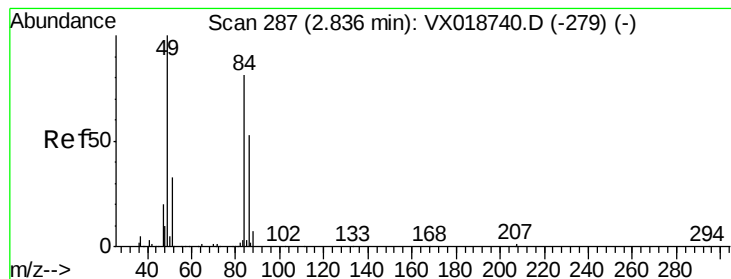
Tgt Ion: 43 Resp: 300

Ion Ratio Lower Upper

43 100

74 28.0 21.9 32.9





#16

Methylene chloride

Concen: 0.405 ug/L

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX018747.D

Acq: 02 Oct 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

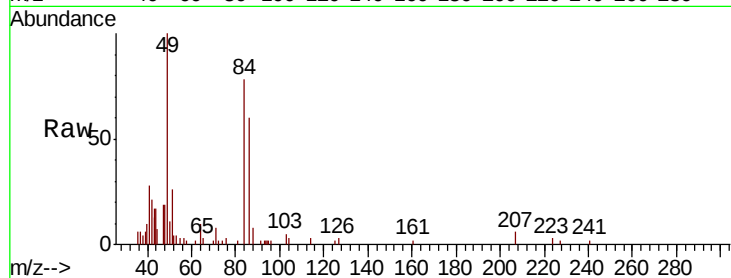
Tot Ion: 84 Resp: 4597

Ion Ratio Lower Upper

84 100

86 77.1 45.6 84.8

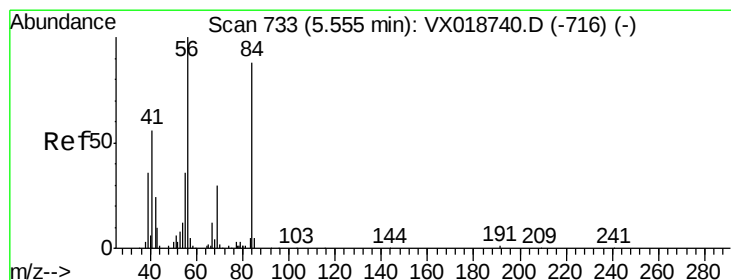
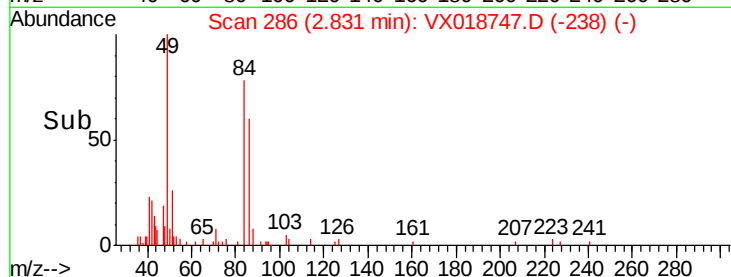
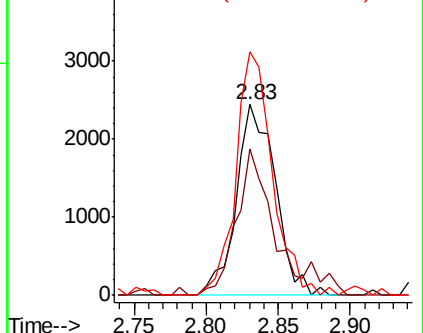
49 127.8 85.8 159.3



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



#30

Cyclohexane

Concen: 0.142 ug/L

RT: 5.54 min Scan# 730

Delta R.T. -0.02 min

Lab File: VX018747.D

Acq: 02 Oct 2020 15:00

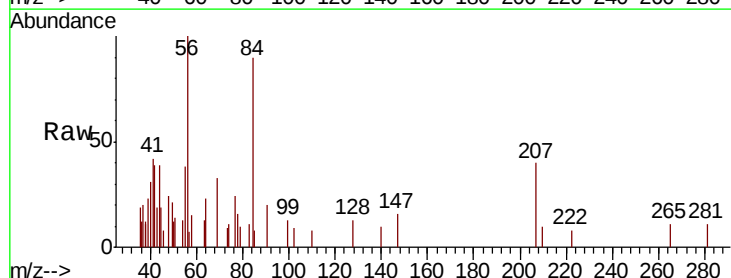
Tgt Ion: 56 Resp: 2107

Ion Ratio Lower Upper

56 100

69 20.7 26.0 39.0#

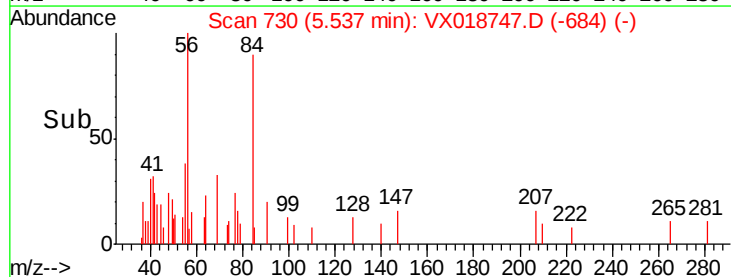
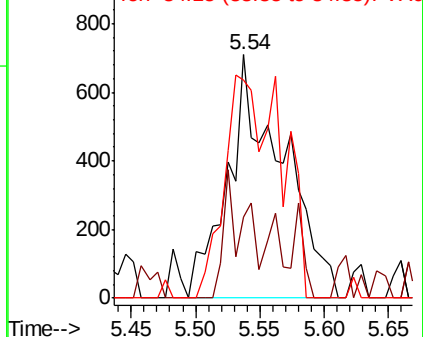
84 95.3 73.8 110.6

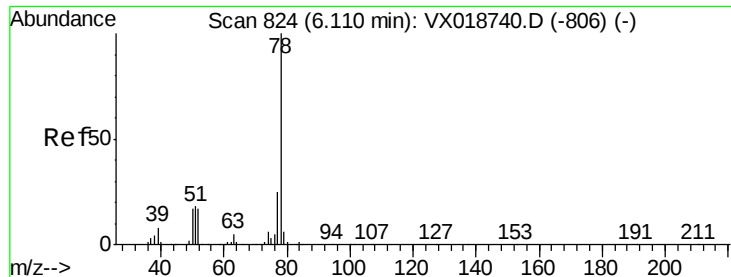


Abundance Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0

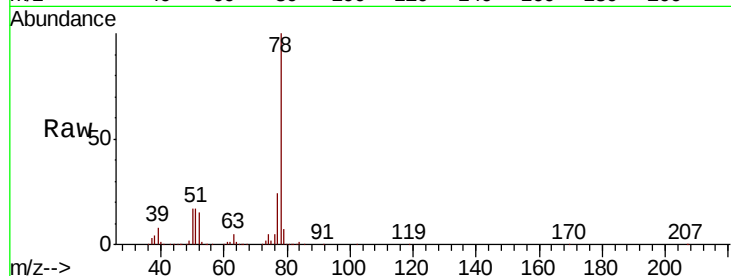




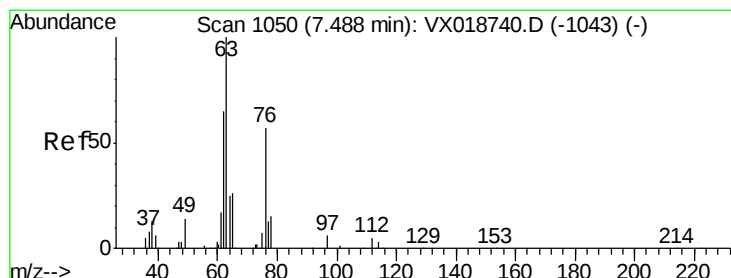
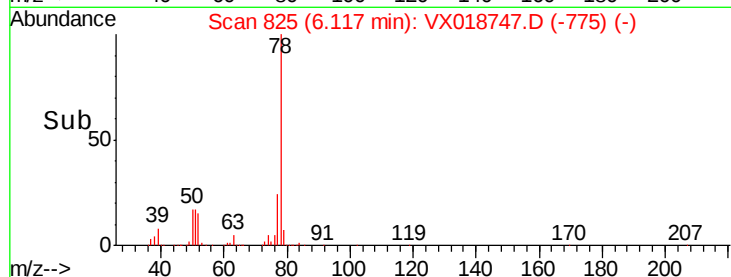
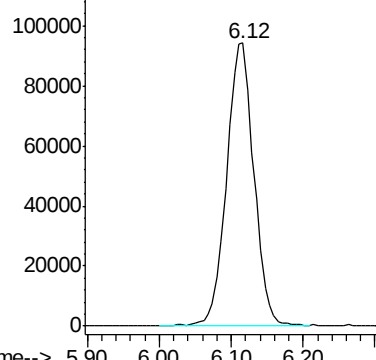
#33
Benzene
Concen: 6.563 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX018747.D
Acq: 02 Oct 2020 15:00

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 78 Resp: 249222

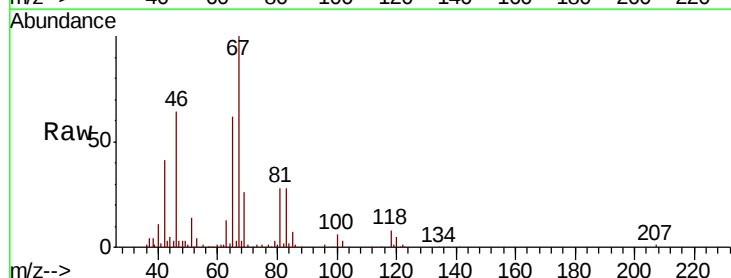


Abundance Ion 78.10 (77.80 to 78.80): VX0

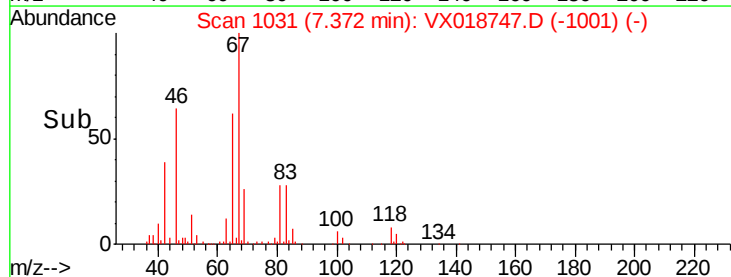
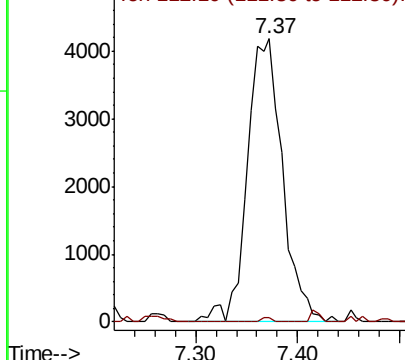


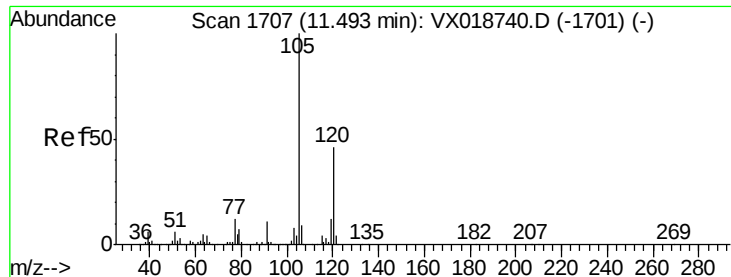
#37
1,2-Dichloropropane
Concen: 1.057 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VX018747.D
Acq: 02 Oct 2020 15:00

Tgt Ion: 63 Resp: 10058
Ion Ratio Lower Upper
63 100
112 0.5 4.7 7.1#



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

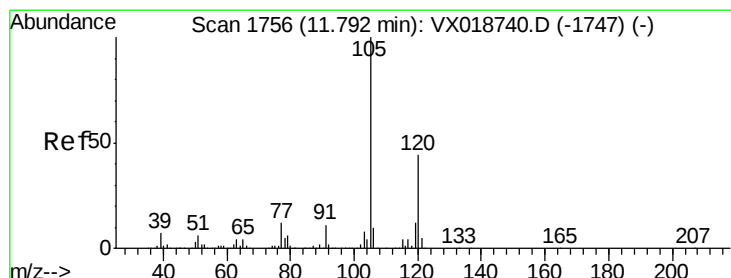
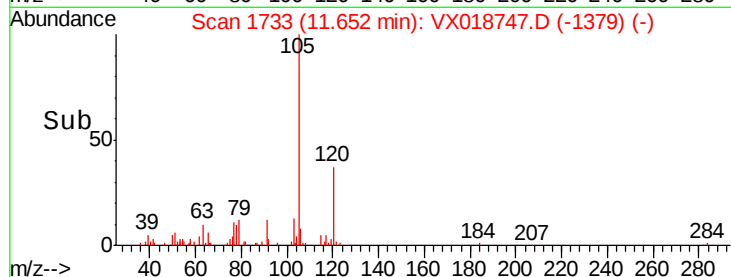
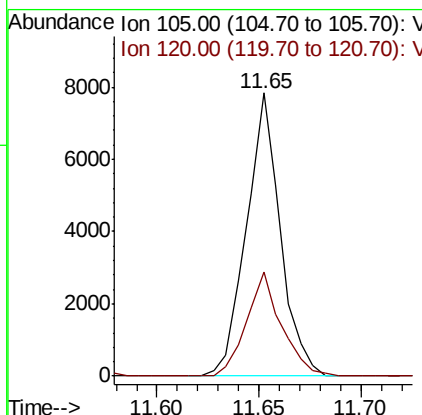
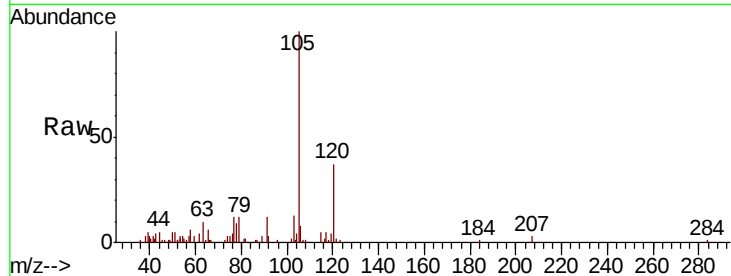




#43
 1,3,5-Trimethylbenzene
 Concen: 0.230 ug/L
 RT: 11.65 min Scan# 1733
 Delta R.T. 0.16 min
 Lab File: VX018747.D
 Acq: 02 Oct 2020 15:00

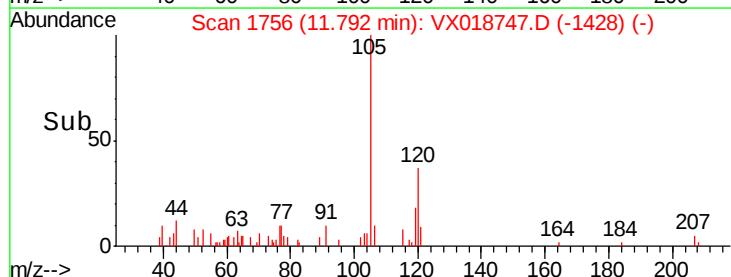
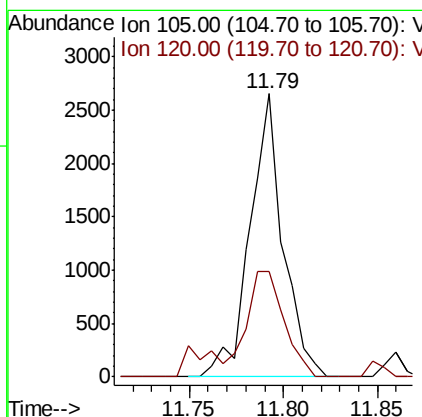
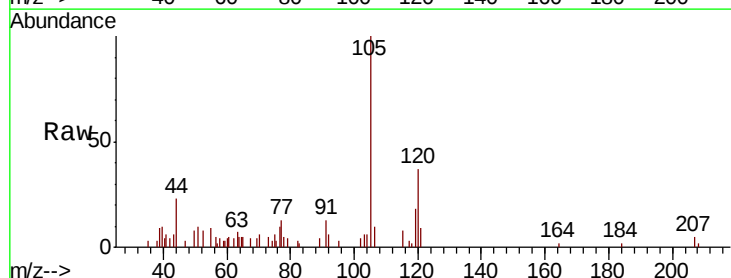
Instrument :
 MSVOA_X
 ClientSampleId :

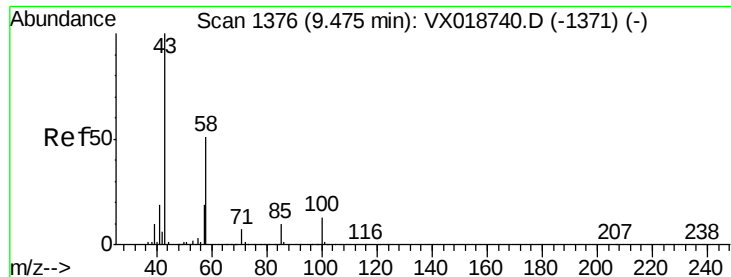
Tot Ion:105 Resp: 9041
 Ion Ratio Lower Upper
 105 100
 120 38.0 37.7 56.5



#44
 1,2,4-Trimethylbenzene
 Concen: 0.080 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX018747.D
 Acq: 02 Oct 2020 15:00

Tgt Ion:105 Resp: 3208
 Ion Ratio Lower Upper
 105 100
 120 42.5 35.1 52.7

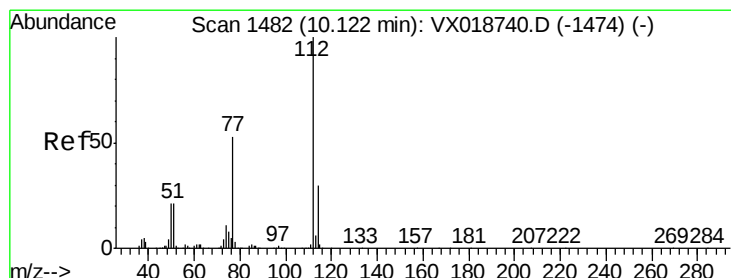
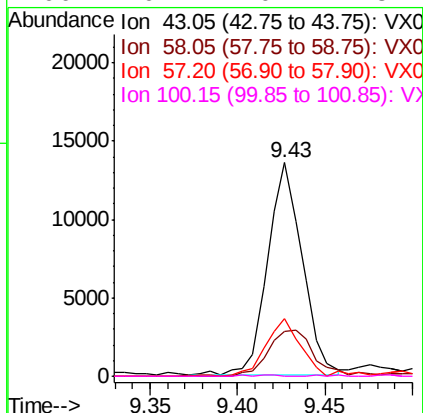
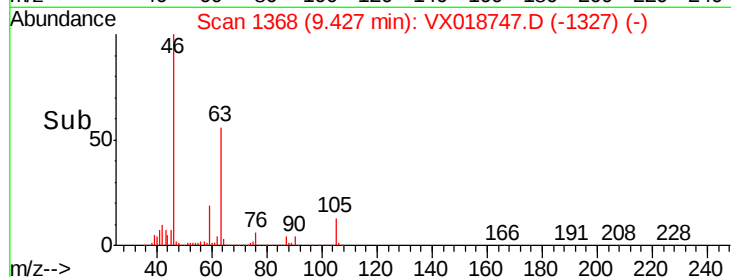
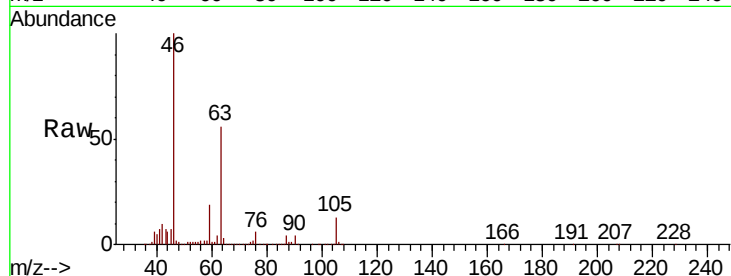




#50
2-Hexanone
Concen: 4.667 ug/L
RT: 9.43 min Scan# 1368
Delta R.T. -0.05 min
Lab File: VX018747.D
Acq: 02 Oct 2020 15:00

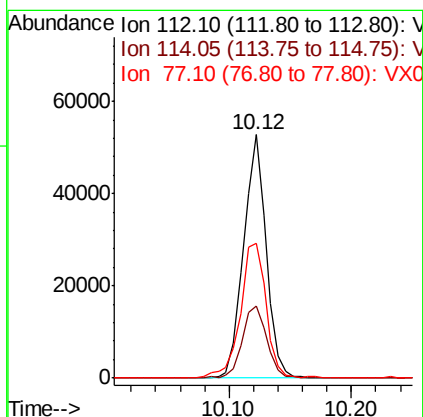
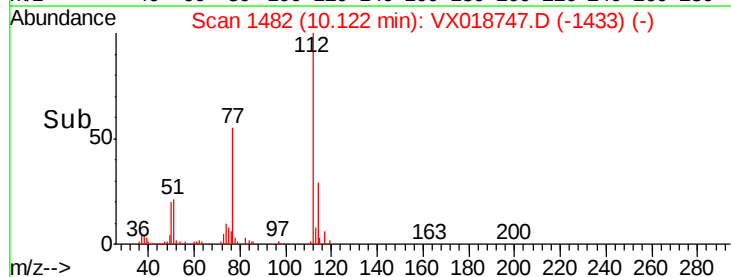
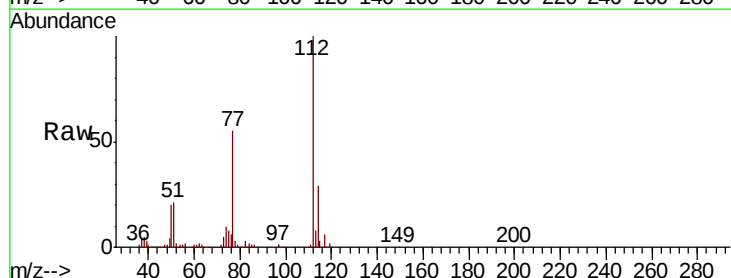
Instrument :
MSVOA_X
ClientSampleId :

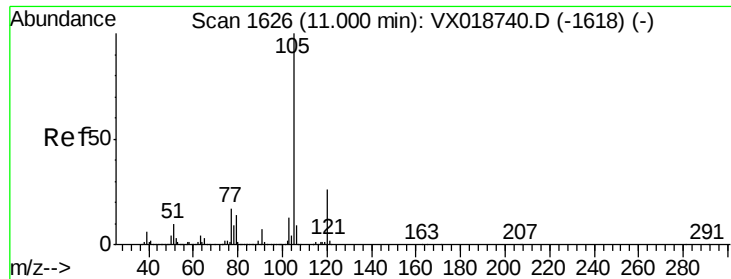
Tot Ion: 43 Resp: 18682
Ion Ratio Lower Upper
43 100
58 28.7 41.0 61.4#
57 29.0 15.9 23.9#
100 0.4 10.1 15.1#



#53
Chlorobenzene
Concen: 2.365 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018747.D
Acq: 02 Oct 2020 15:00

Tgt Ion: 112 Resp: 67234
Ion Ratio Lower Upper
112 100
114 29.4 21.3 39.5
77 55.2 42.4 63.6





#58

Isopropylbenzene

Concen: 0.103 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018747.D

Acq: 02 Oct 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

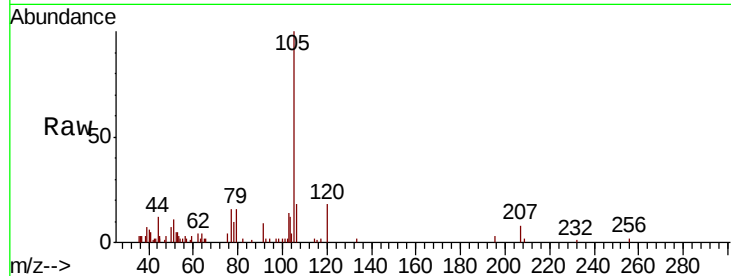
Tot Ion:105 Resp: 4856

Ion Ratio Lower Upper

105 100

120 26.4 20.2 30.2

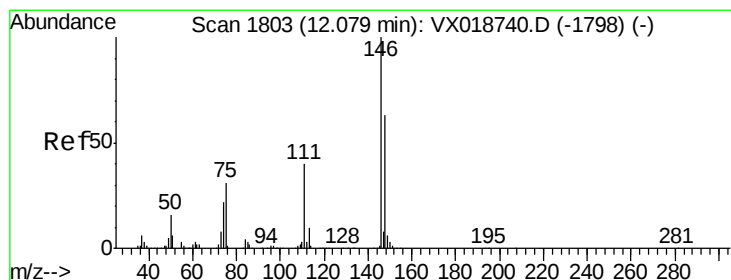
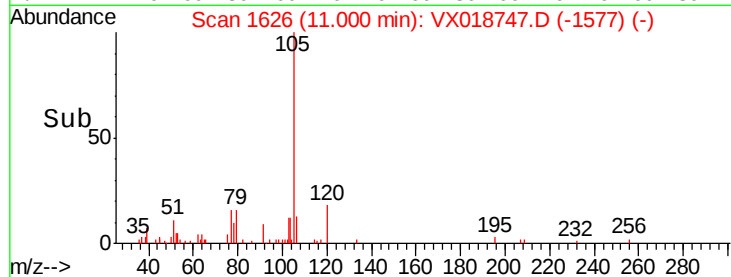
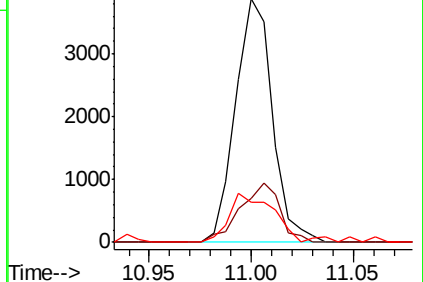
77 24.2 13.3 19.9#



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): V



#64

1,4-Dichlorobenzene

Concen: 0.422 ug/L

RT: 12.09 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX018747.D

Acq: 02 Oct 2020 15:00

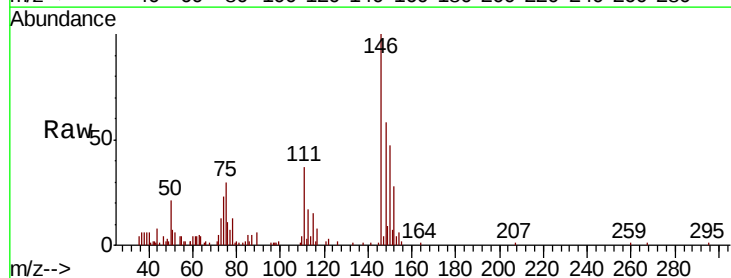
Tgt Ion:146 Resp: 8956

Ion Ratio Lower Upper

146 100

111 37.2 28.6 53.2

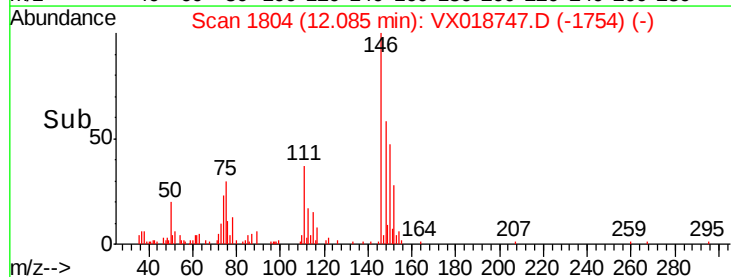
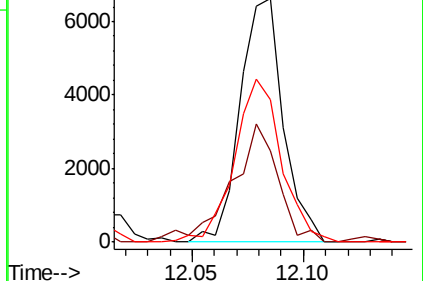
148 58.3 44.2 82.0

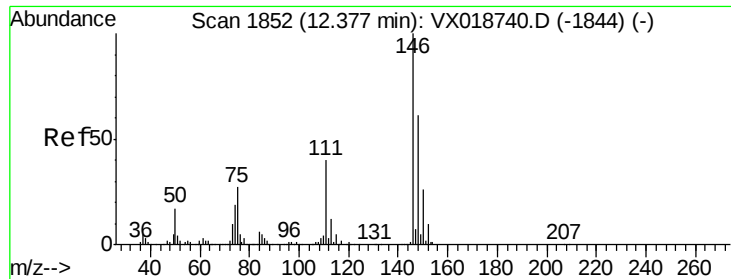


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

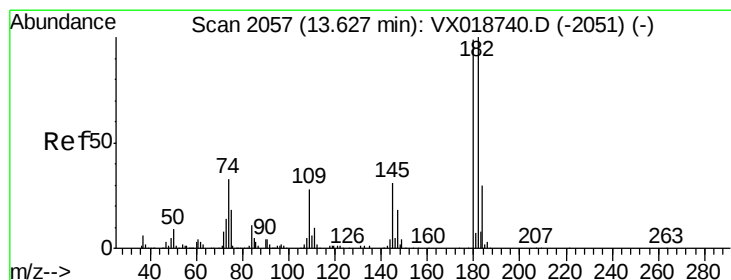
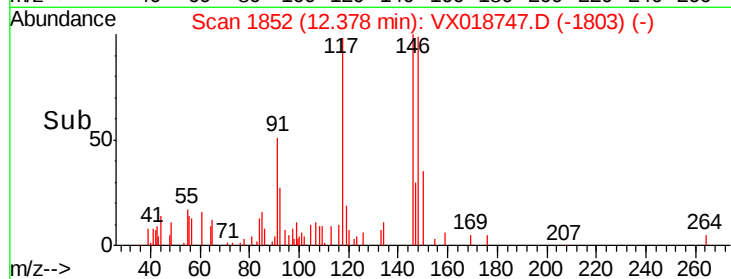
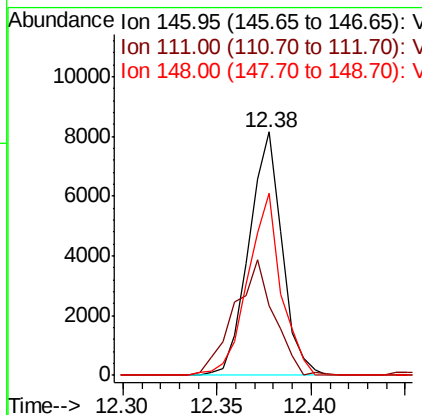
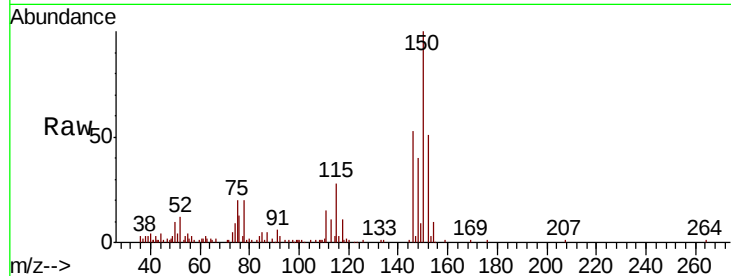




#66
 1,2-Dichlorobenzene
 Concen: 0.500 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018747.D
 Acq: 02 Oct 2020 15:00

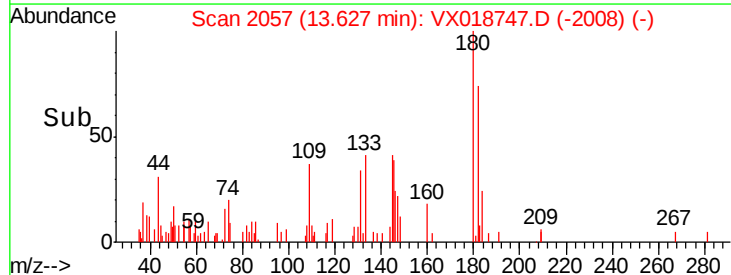
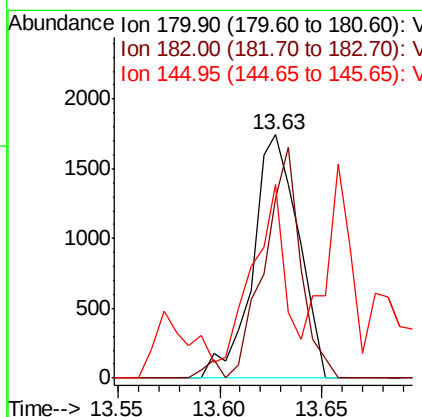
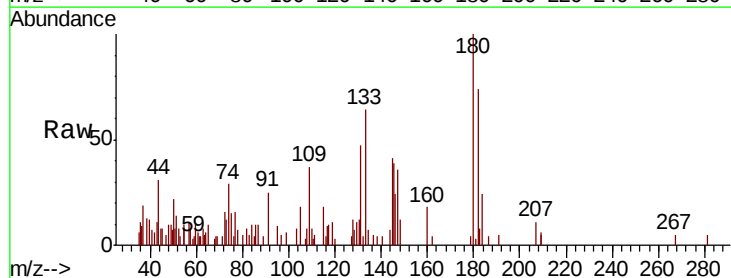
Instrument :
 MSVOA_X
 ClientSampled :

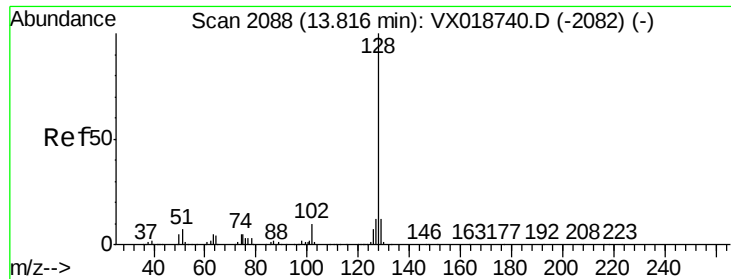
Tot Ion:146 Resp: 9924
 Ion Ratio Lower Upper
 146 100
 111 28.6 31.7 47.5#
 148 75.1 49.0 73.6#



#69
 1,2,4-trichlorobenzene
 Concen: 0.200 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018747.D
 Acq: 02 Oct 2020 15:00

Tgt Ion:180 Resp: 2718
 Ion Ratio Lower Upper
 180 100
 182 77.3 80.2 120.4#
 145 50.2 25.2 37.8#





#70

Naphthalene

Concen: 0.065 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018747.D

Acq: 02 Oct 2020 15:00

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:128 Resp: 1440

Ion Ratio Lower Upper

128 100

129 15.3 9.0 13.4#

127 17.8 10.5 15.7#

