

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
 Data File : VX018745.D
 Acq On : 02 Oct 2020 14:12
 Operator : JC/SP
 Sample : L4171-12DL 10X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 03 05:20:48 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	201078	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	190280	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	111231	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58700	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	1.70	69	48090	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.34	63	104424	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	4.55	46	164523	53.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.80%
24) Chloroform-d	5.14	84	141725	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	6.03	65	86950	5.01	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	6.05	84	239819	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	7.37	67	70674	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	8.70	98	226862	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
45) trans-1,3-Dichloropropene-	8.99	79	34377	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
48) 2-Hexanone-d5	9.43	63	131082	53.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.36%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	57412	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	100262	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
3) Chloromethane	1.31	50	845	0.087 ug/L	96
6) Bromomethane	1.64	94	1285	0.200 ug/L	81
13) Acetone	2.45	43	14781	8.787 ug/L	93
14) Carbon disulfide	2.55	76	8370	0.267 ug/L	98
15) Methyl Acetate	2.87	43	243601	58.924 ug/L #	47
16) Methylene chloride	2.83	84	6662	0.549 ug/L	89
21) 2-Butanone	4.66	43	5251	2.144 ug/L #	64
22) cis-1,2-Dichloroethene	4.55	96	697	0.063 ug/L #	42
37) 1,2-Dichloropropane	7.37	63	9706	0.972 ug/L #	83
39) cis-1,3-Dichloropropene	8.37	75	3145	0.197 ug/L #	8
43) 1,3,5-Trimethylbenzene	11.49	105	347679	8.425 ug/L	100
44) 1,2,4-Trimethylbenzene	11.79	105	598127	14.280 ug/L	99
50) 2-Hexanone	9.47	43	3098	0.738 ug/L #	85
58) Isopropylbenzene	11.00	105	17055	0.346 ug/L	94
66) 1,2-Dichlorobenzene	12.38	146	1320	0.052 ug/L #	82
67) 1,2-Dibromo-3-chloropropan	13.00	75	8531	3.966 ug/L #	7
69) 1,2,4-trichlorobenzene	13.63	180	151407	8.764 ug/L	93

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

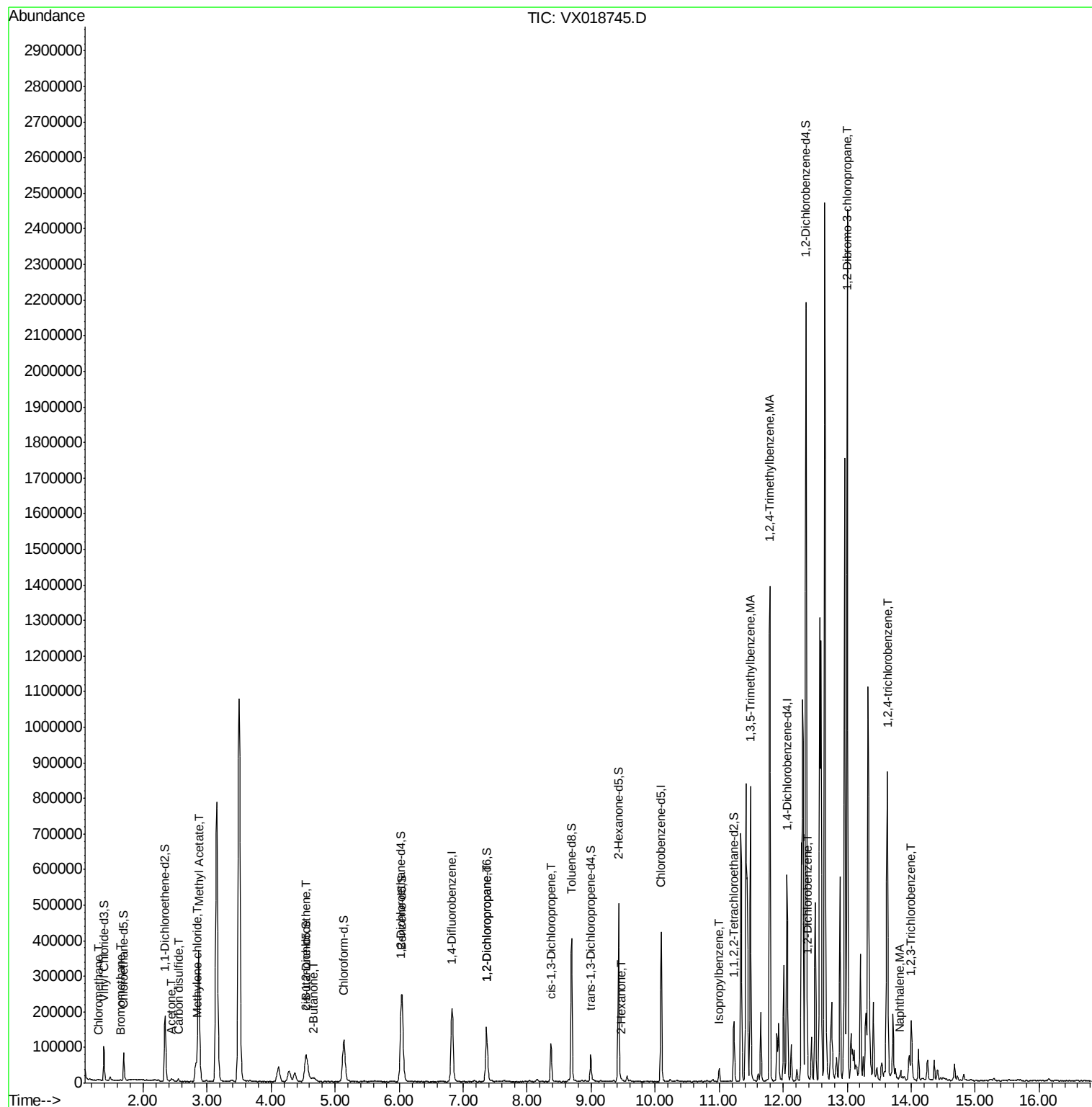
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Naphthalene	13.81	128	3942	0.140	ug/L #	82
71) 1,2,3-Trichlorobenzene	14.00	180	34535	2.222	ug/L #	92

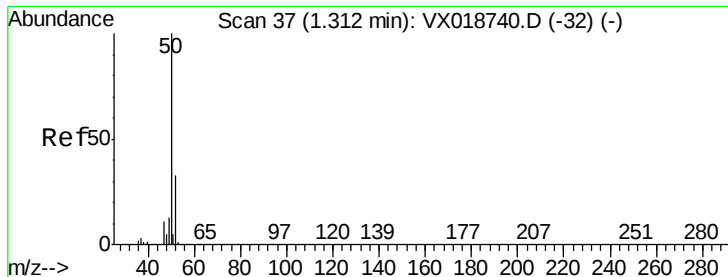
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.087 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018745.D

Acq: 02 Oct 2020 14:12

Instrument :

MSVOA_X

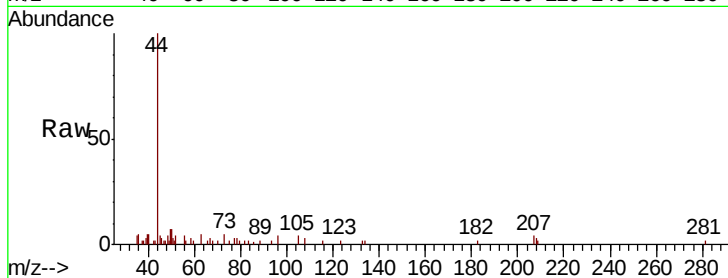
ClientSampled :

Tot Ion: 50 Resp: 845

Ion Ratio Lower Upper

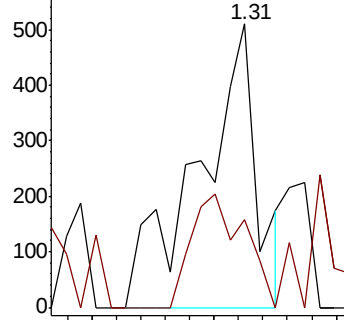
50 100

52 31.0 23.4 43.6

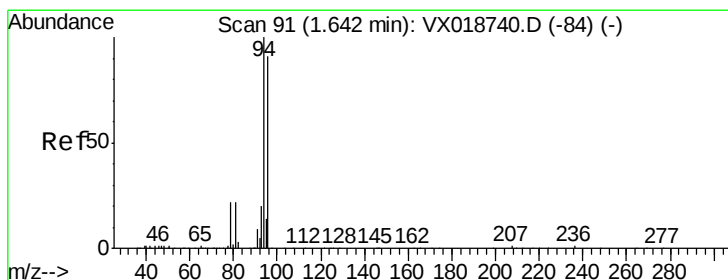
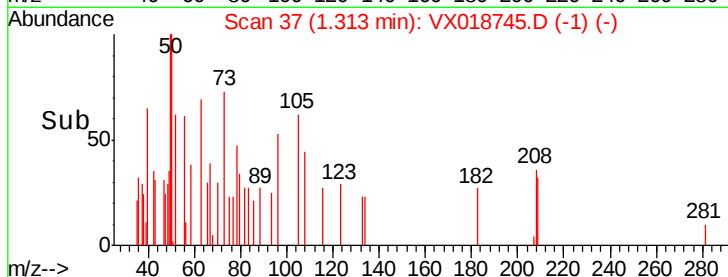


Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0



Time-->



#6

Bromomethane

Concen: 0.200 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX018745.D

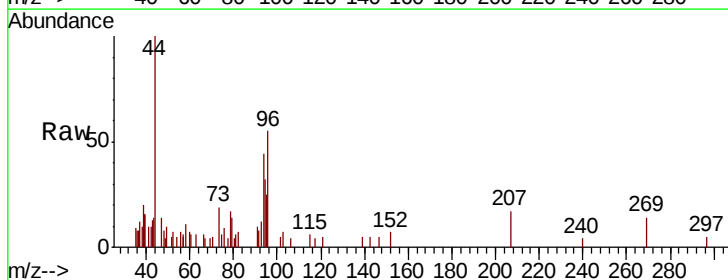
Acq: 02 Oct 2020 14:12

Tgt Ion: 94 Resp: 1285

Ion Ratio Lower Upper

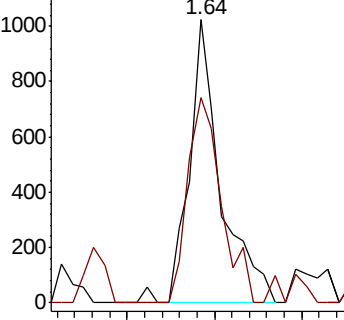
94 100

96 72.6 63.5 117.9

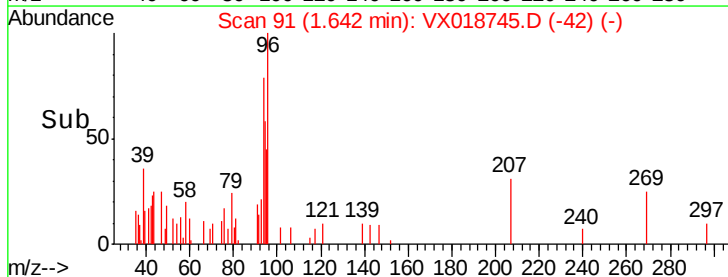


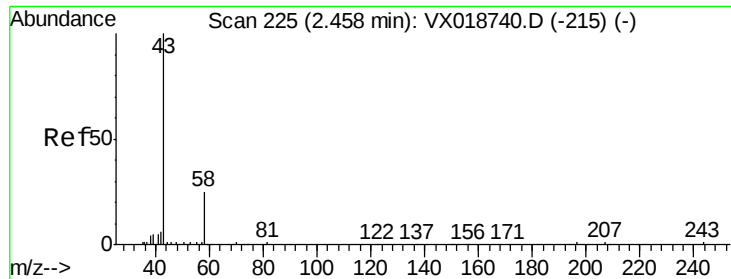
Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



Time-->





#13

Acetone

Concen: 8.787 ug/L

RT: 2.45 min Scan# 223

Delta R.T. -0.01 min

Lab File: VX018745.D

Acq: 02 Oct 2020 14:12

Instrument :

MSVOA_X

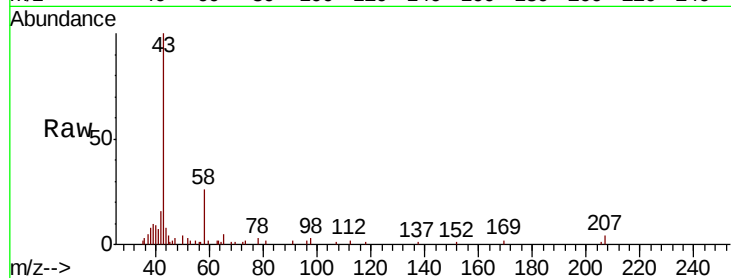
ClientSampleId :

Tot Ion: 43 Resp: 14781

Ion Ratio Lower Upper

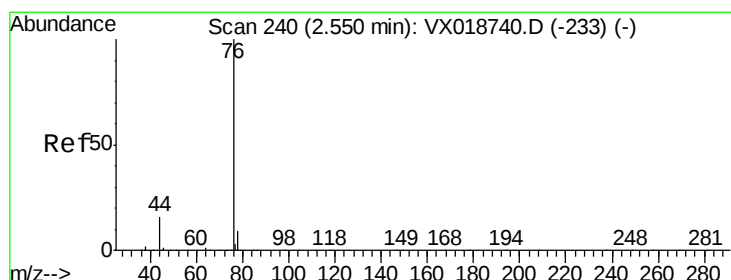
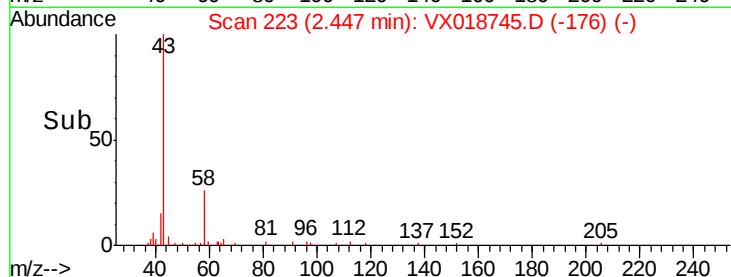
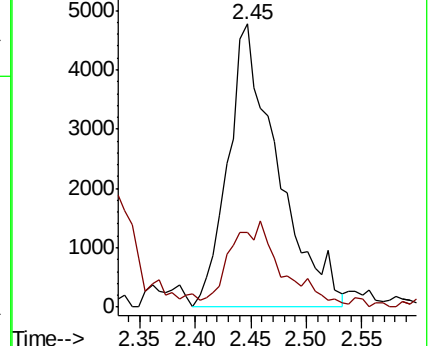
43 100

58 31.7 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: 0.267 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018745.D

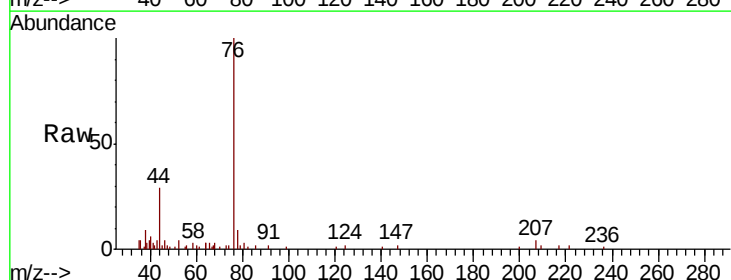
Acq: 02 Oct 2020 14:12

Tgt Ion: 76 Resp: 8370

Ion Ratio Lower Upper

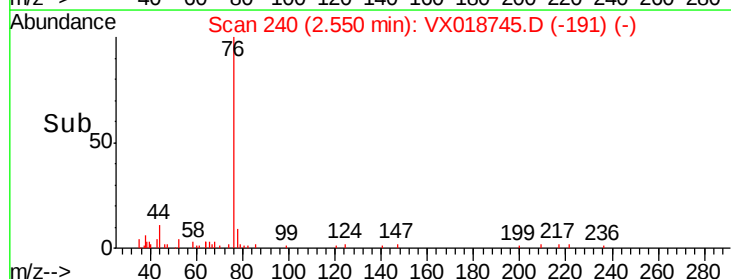
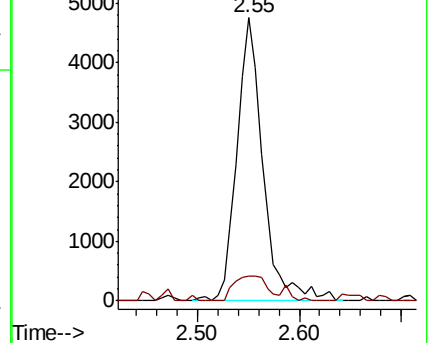
76 100

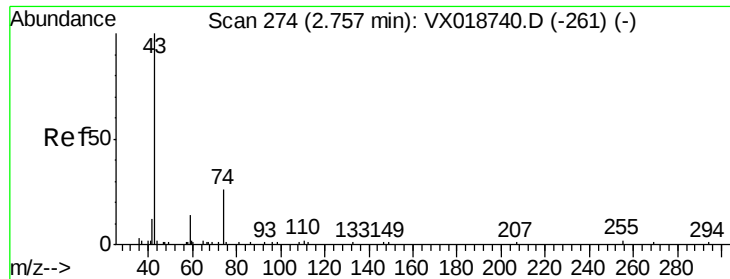
78 8.6 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0





#15

Methyl Acetate

Concen: 58.924 ug/L

RT: 2.87 min Scan# 292

Delta R.T. 0.11 min

Lab File: VX018745.D

Acq: 02 Oct 2020 14:12

Instrument :

MSVOA_X

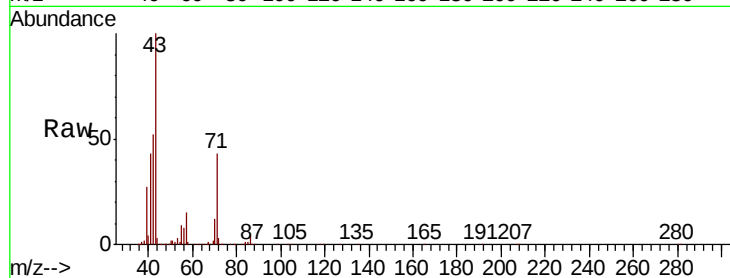
ClientSampled :

Tot Ion: 43 Resp: 243601

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0

120000

100000

80000

60000

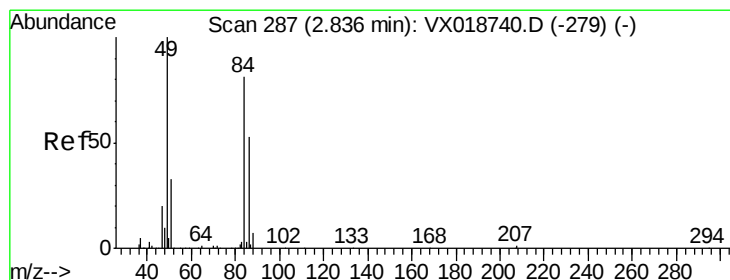
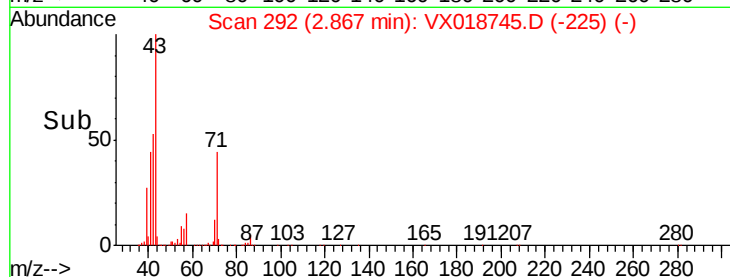
40000

20000

0

2.70 2.80 2.90 3.00

Time-->



#16

Methylene chloride

Concen: 0.549 ug/L

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX018745.D

Acq: 02 Oct 2020 14:12

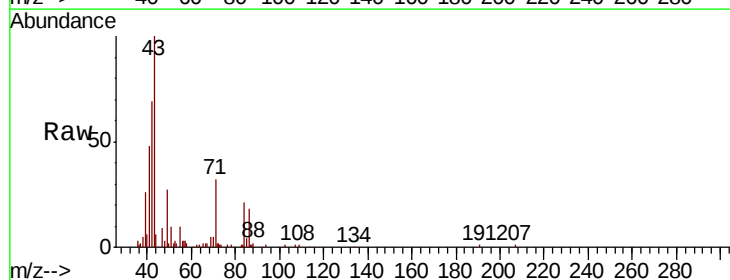
Tgt Ion: 84 Resp: 6662

Ion Ratio Lower Upper

84 100

86 84.2 45.6 84.8

49 126.9 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

6000

5000

4000

3000

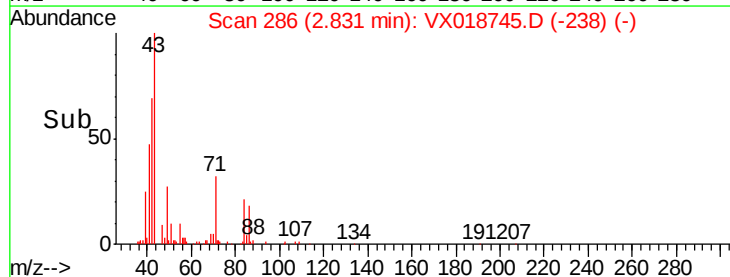
2000

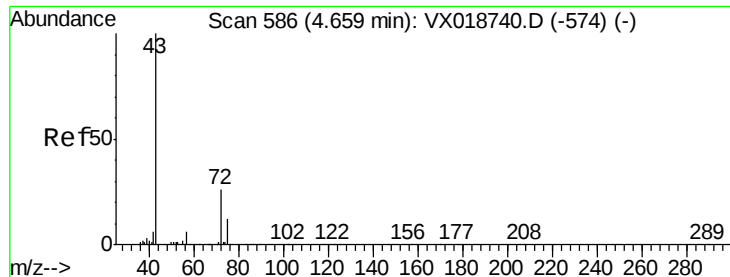
1000

0

2.75 2.80 2.85 2.90 2.95

Time-->





#21

2-Butanone

Concen: 2.144 ug/L

RT: 4.66 min Scan# 586

Delta R.T. 0.00 min

Lab File: VX018745.D

Acq: 02 Oct 2020 14:12

Instrument :

MSVOA_X

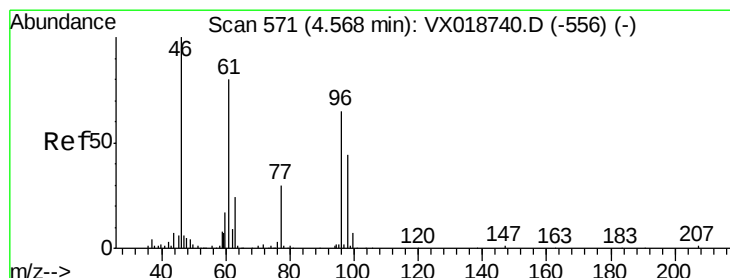
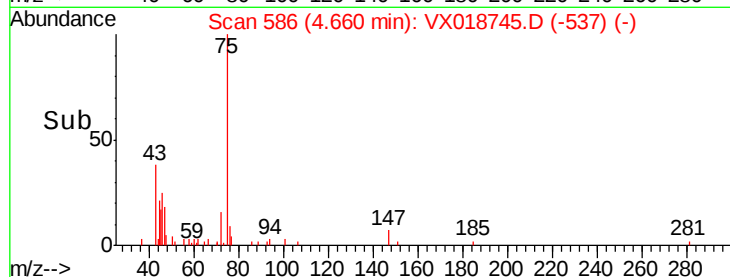
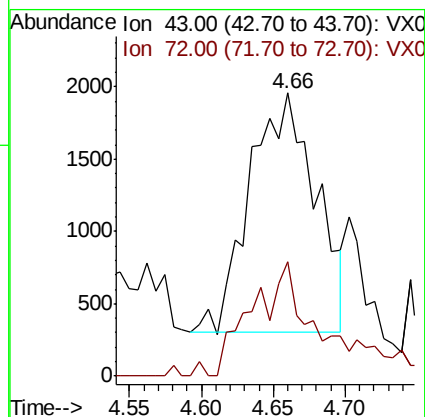
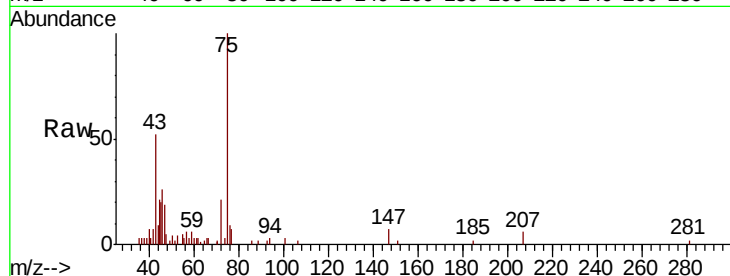
ClientSampled :

Tot Ion: 43 Resp: 5251

Ion Ratio Lower Upper

43 100

72 42.9 12.4 37.2#



#22

cis-1,2-Dichloroethene

Concen: 0.063 ug/L

RT: 4.55 min Scan# 568

Delta R.T. -0.02 min

Lab File: VX018745.D

Acq: 02 Oct 2020 14:12

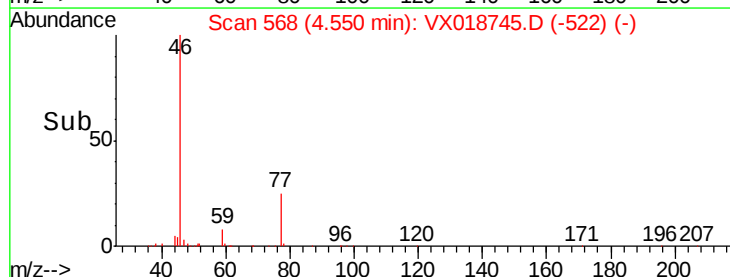
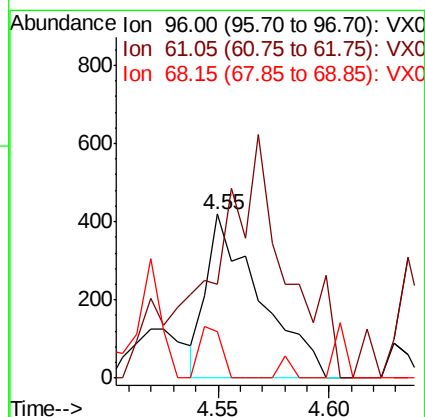
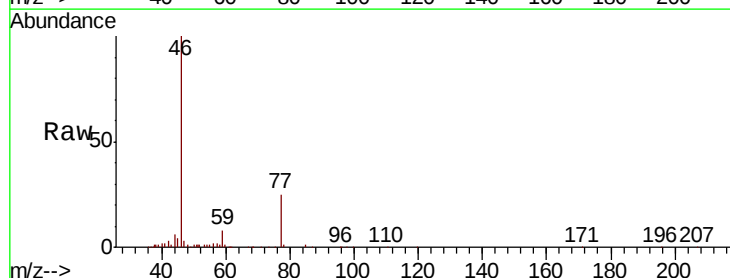
Tgt Ion: 96 Resp: 697

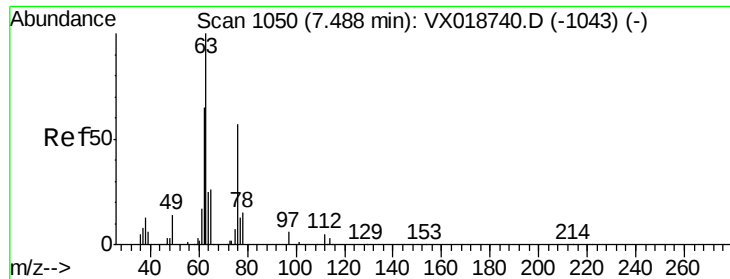
Ion Ratio Lower Upper

96 100

61 57.0 86.2 160.0#

68 28.2 0.3 0.7#





#37

1,2-Dichloropropane

Concen: 0.972 ug/L

RT: 7.37 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VX018745.D

Acq: 02 Oct 2020 14:12

Instrument :

MSVOA_X

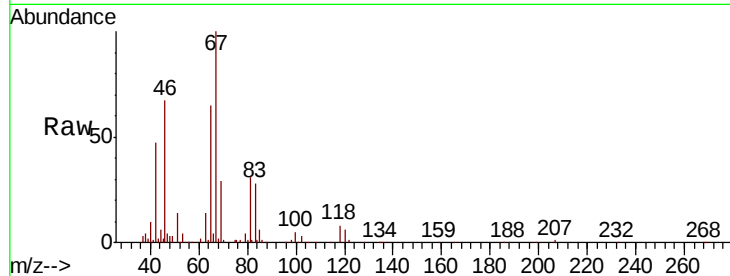
ClientSampleId :

Tot Ion: 63 Resp: 9706

Ion Ratio Lower Upper

63 100

112 0.3 4.7 7.1#



Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 112.10 (111.80 to 112.80): V

7.37

5000

4000

3000

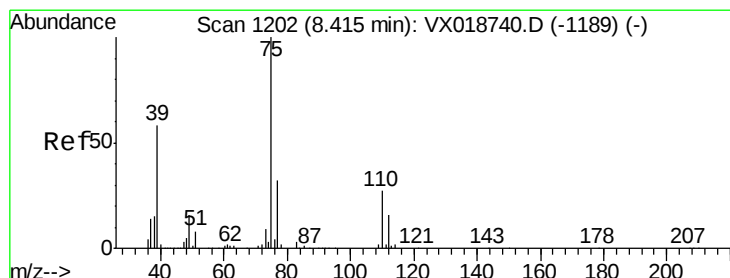
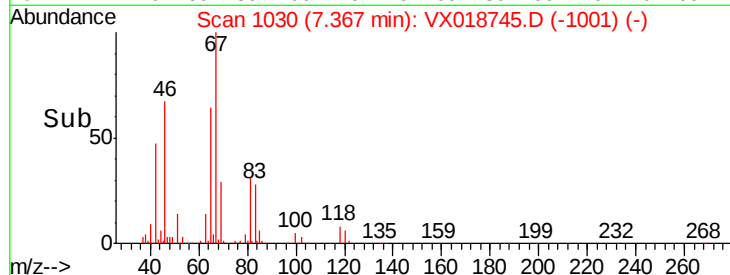
2000

1000

0

Time-->

7.25 7.30 7.35 7.40 7.45



#39

cis-1,3-Dichloropropene

Concen: 0.197 ug/L

RT: 8.37 min Scan# 1195

Delta R.T. -0.04 min

Lab File: VX018745.D

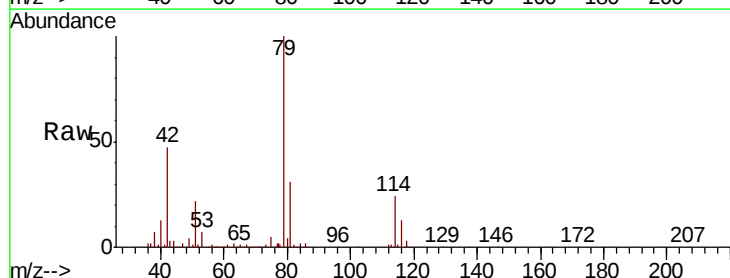
Acq: 02 Oct 2020 14:12

Tgt Ion: 75 Resp: 3145

Ion Ratio Lower Upper

75 100

77 83.5 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

8.37

1500

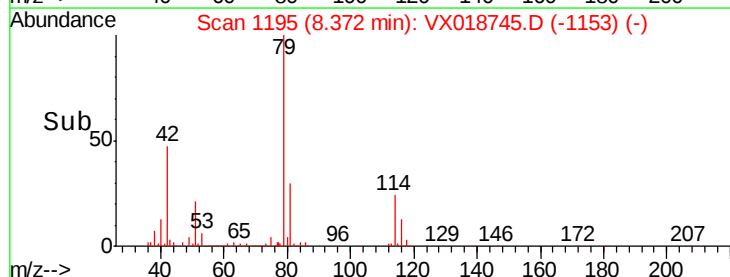
1000

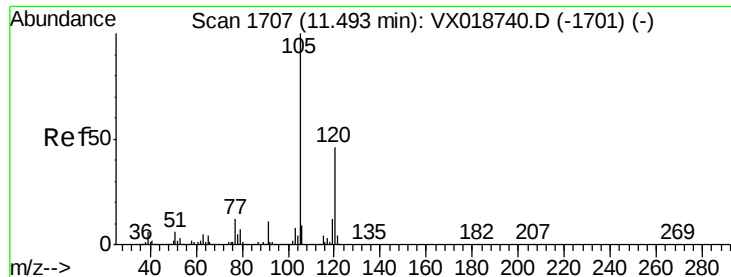
500

0

Time-->

8.30 8.35 8.40 8.45





#43

1,3,5-Trimethylbenzene

Concen: 8.425 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018745.D

Acq: 02 Oct 2020 14:12

Instrument :

MSVOA_X

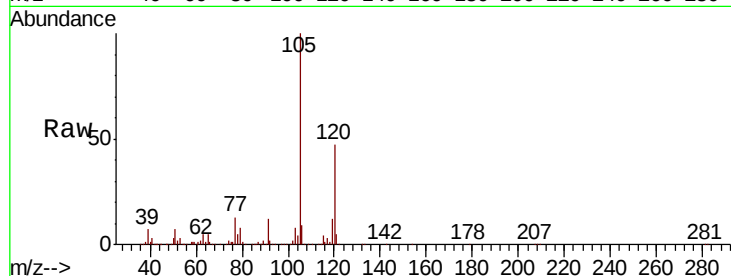
ClientSampleId :

Tot Ion:105 Resp: 347679

Ion Ratio Lower Upper

105 100

120 47.2 37.7 56.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

300000

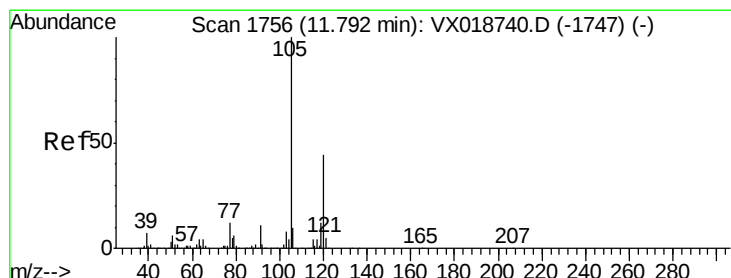
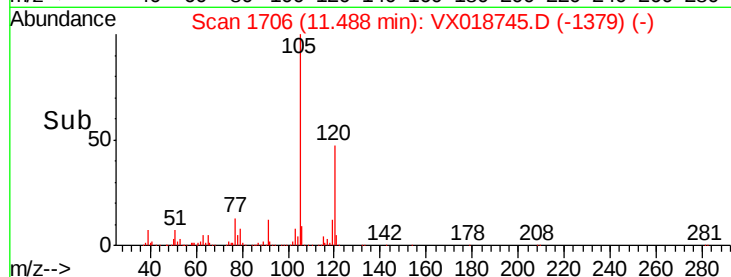
200000

100000

0

11.45 11.50 11.55

Time-->



#44

1,2,4-Trimethylbenzene

Concen: 14.280 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018745.D

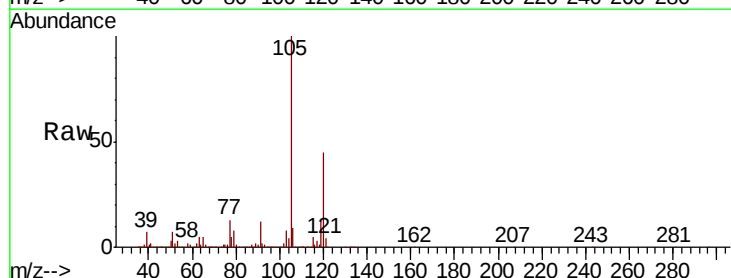
Acq: 02 Oct 2020 14:12

Tgt Ion:105 Resp: 598127

Ion Ratio Lower Upper

105 100

120 43.3 35.1 52.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.79

500000

400000

300000

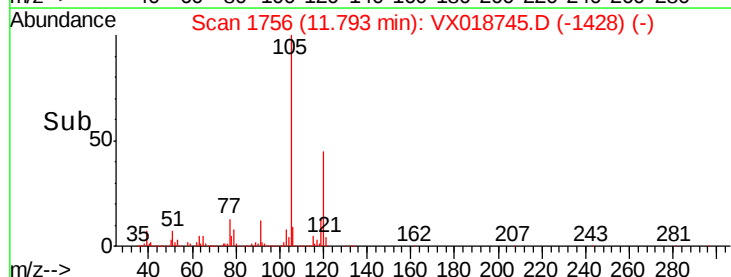
200000

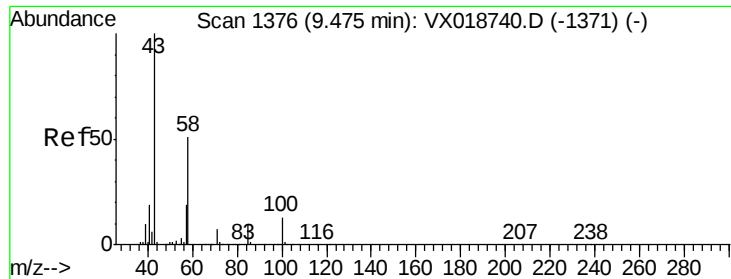
100000

0

11.70 11.80 11.90

Time-->

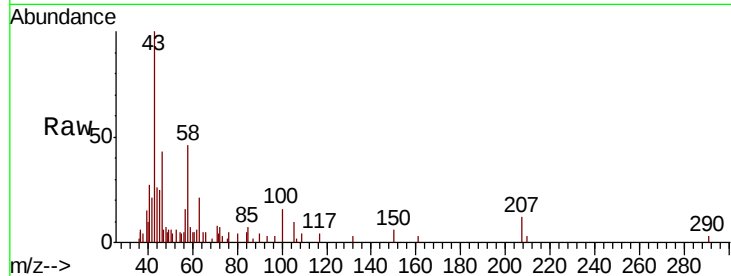




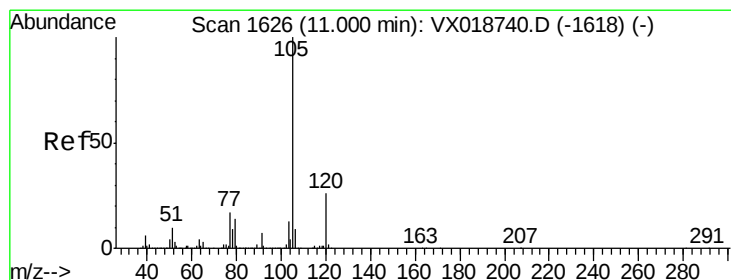
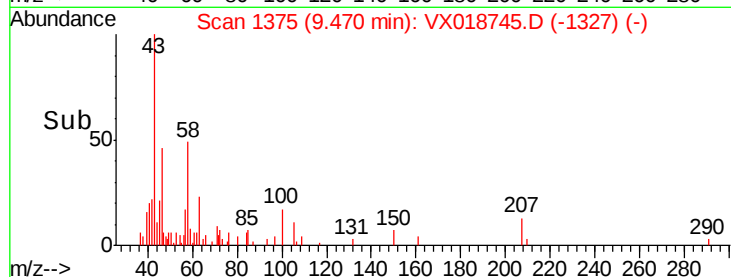
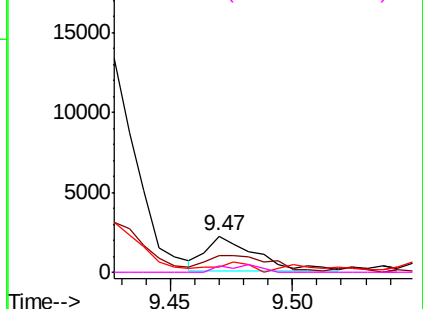
#50
2-Hexanone
Concen: 0.738 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX018745.D
Acq: 02 Oct 2020 14:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	43	Resp:	3098
Ion	Ratio	Lower	Upper
43	100		
58	65.9	41.0	61.4#
57	21.5	15.9	23.9
100	14.8	10.1	15.1

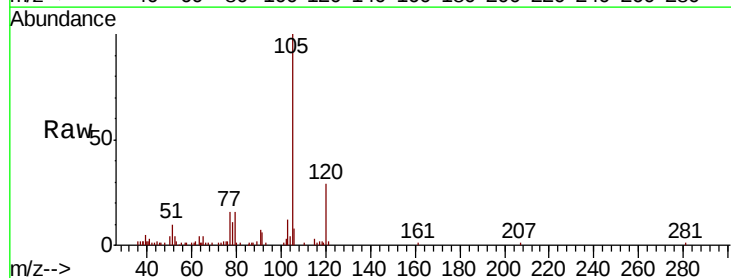


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

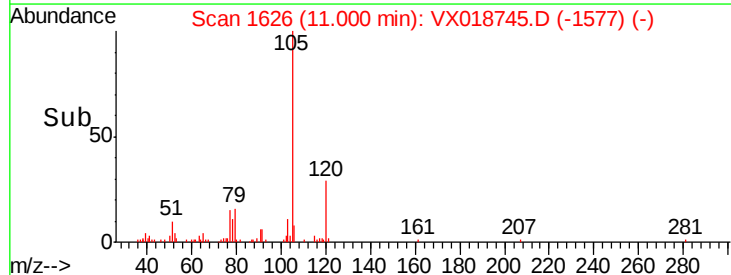
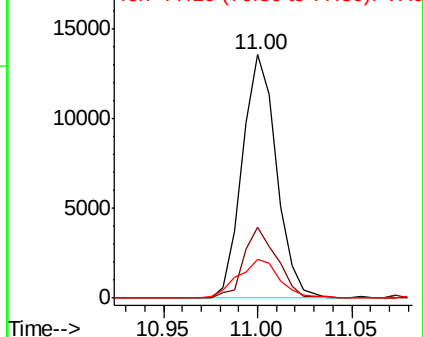


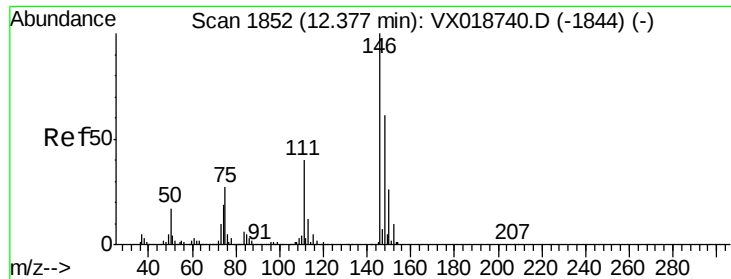
#58
Isopropylbenzene
Concen: 0.346 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX018745.D
Acq: 02 Oct 2020 14:12

Tgt Ion:	105	Resp:	17055
Ion	Ratio	Lower	Upper
105	100		
120	28.3	20.2	30.2
77	19.5	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

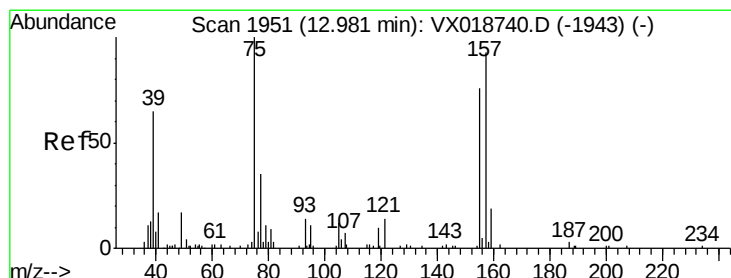
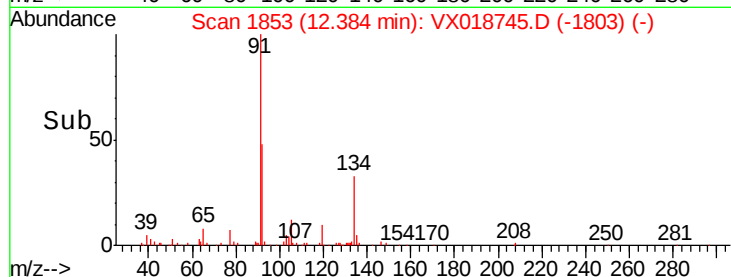
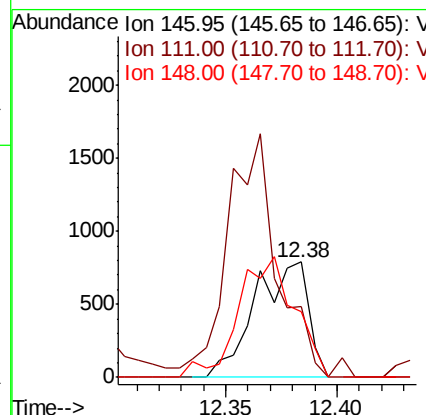
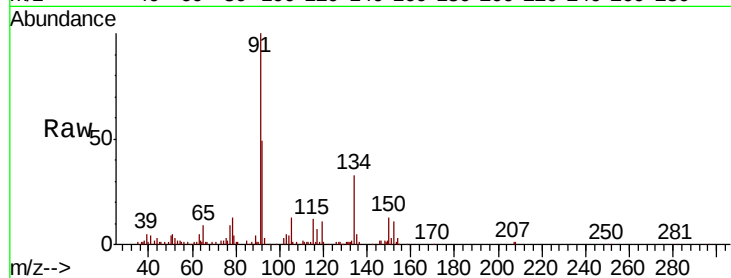




#66
 1,2-Dichlorobenzene
 Concen: 0.052 ug/L
 RT: 12.38 min Scan# 1853
 Delta R.T. 0.01 min
 Lab File: VX018745.D
 Acq: 02 Oct 2020 14:12

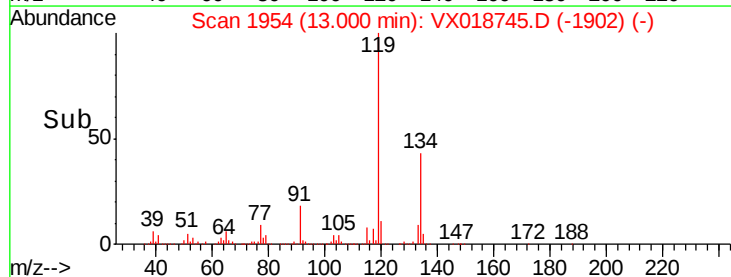
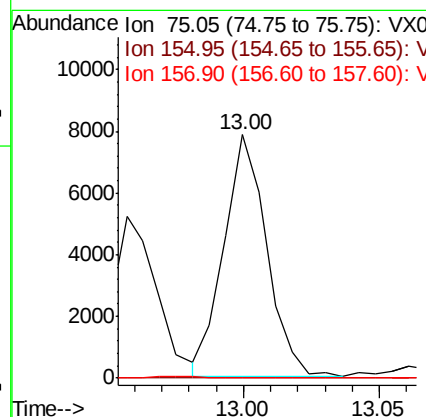
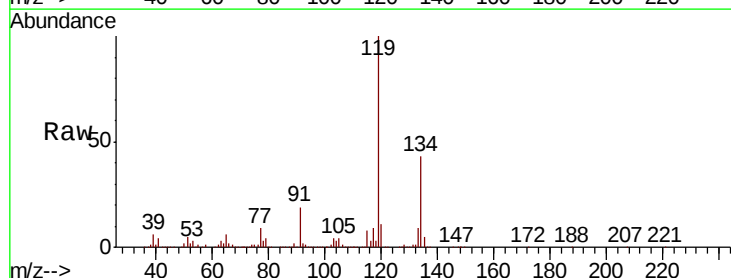
Instrument :
 MSVOA_X
 ClientSampled :

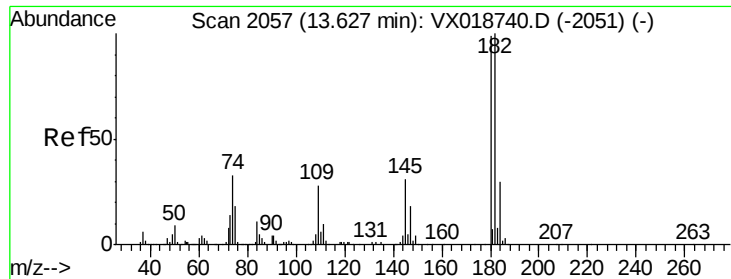
Tot Ion:146 Resp: 1320
 Ion Ratio Lower Upper
 146 100
 111 61.3 31.7 47.5#
 148 56.6 49.0 73.6



#67
 1,2-Dibromo-3-chloropropane
 Concen: 3.966 ug/L
 RT: 13.00 min Scan# 1954
 Delta R.T. 0.02 min
 Lab File: VX018745.D
 Acq: 02 Oct 2020 14:12

Tgt Ion: 75 Resp: 8531
 Ion Ratio Lower Upper
 75 100
 155 0.0 61.1 91.7#
 157 0.0 74.2 111.2#





#69

1,2,4-trichlorobenzene

Concen: 8.764 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX018745.D

Acq: 02 Oct 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

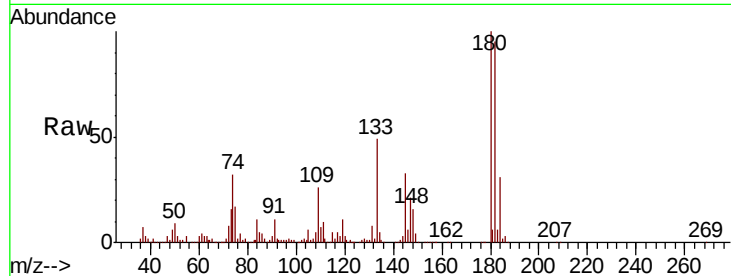
Tot Ion:180 Resp: 151407

Ion Ratio Lower Upper

180 100

182 92.9 80.2 120.4

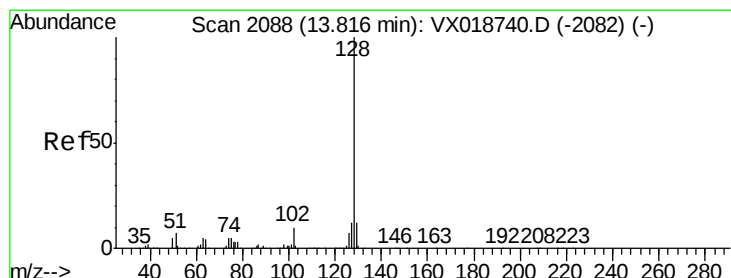
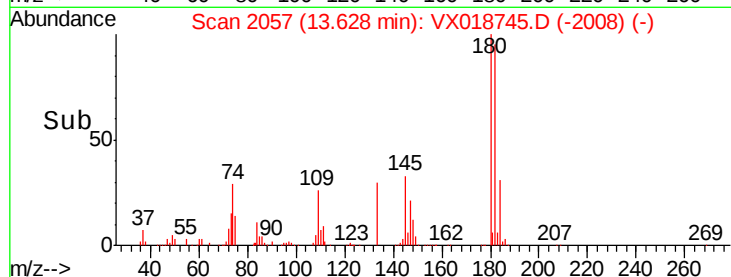
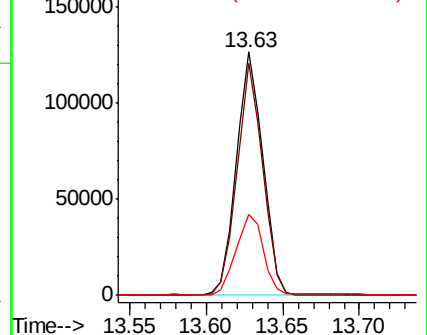
145 34.9 25.2 37.8



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: 0.140 ug/L

RT: 13.81 min Scan# 2087

Delta R.T. -0.01 min

Lab File: VX018745.D

Acq: 02 Oct 2020 14:12

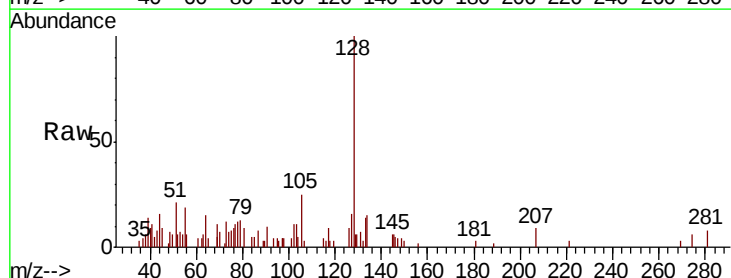
Tgt Ion:128 Resp: 3942

Ion Ratio Lower Upper

128 100

129 14.3 9.0 13.4#

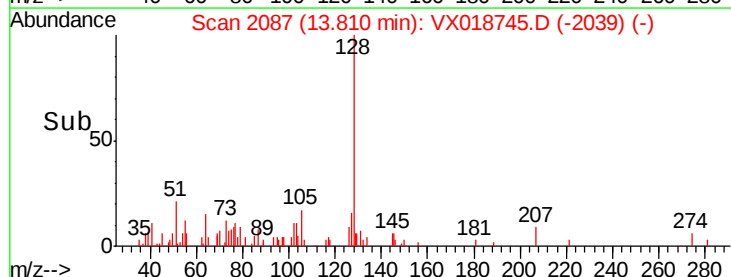
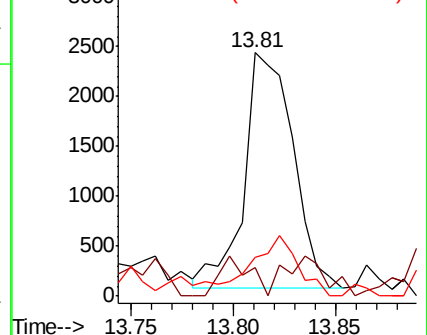
127 23.5 10.5 15.7#

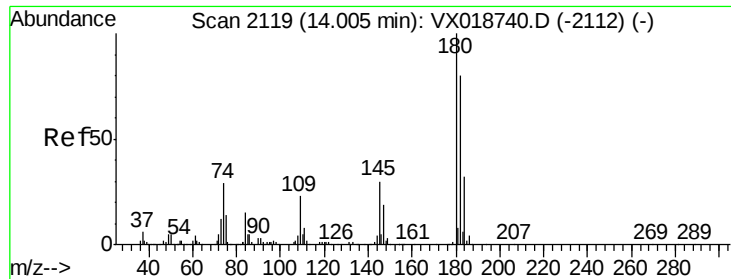


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#71

1,2,3-Trichlorobenzene

Concen: 2.222 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX018745.D

Acq: 02 Oct 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

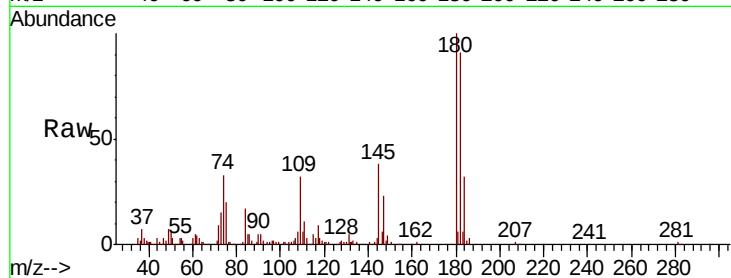
Tot Ion:180 Resp: 34535

Ion Ratio Lower Upper

180 100

182 98.3 73.6 110.4

145 40.4 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

