

Data File : VX018703.D
Acq On : 30 Sep 2020 17:36
Operator : JC/SP
Sample : L4135-17DL2 400X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BG495DL2

Quant Time: Oct 01 02:40:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 01:06:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	212513	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	203934	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	96364	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	39691	3.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.40%
7) Chloroethane-d5	1.70	69	37736	4.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.40%
11) 1,1-Dichloroethene-d2	2.34	63	78680	3.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.00%
20) 2-Butanone-d5	4.56	46	156410	55.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.32%
24) Chloroform-d	5.14	84	120352	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	6.03	65	69880	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	6.05	84	206575	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	7.37	67	63244	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	8.70	98	174958	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
45) trans-1,3-Dichloropropene-	8.99	79	29575	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
48) 2-Hexanone-d5	9.43	63	119492	52.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.60%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	53539	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	75597	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

					Qvalue
5) Vinyl chloride	1.39	62	2481	0.216 ug/L	100
8) Chloroethane	1.72	64	2840	0.449 ug/L	95
15) Methyl Acetate	2.76	43	333	0.077 ug/L	93
16) Methylene chloride	2.83	84	4253	0.300 ug/L	90
22) cis-1,2-Dichloroethene	4.57	96	15024	1.388 ug/L #	100
27) 1,2-Dichloroethane	6.11	62	3449	0.268 ug/L	96
33) Benzene	6.12	78	277254	7.051 ug/L	100
42) Toluene	8.77	91	550553	12.963 ug/L	99
43) 1,3,5-Trimethylbenzene	11.79	105	11473	0.309 ug/L	95
44) 1,2,4-Trimethylbenzene	11.79	105	11473	0.309 ug/L	95
53) Chlorobenzene	10.12	112	16380	0.584 ug/L	93
54) Ethylbenzene	10.23	91	63322	1.369 ug/L	97
55) m,p-xylene	10.34	106	46416	2.624 ug/L	96
56) o-xylene	10.68	106	12154	0.727 ug/L	82
57) Styrene	10.68	104	1414	0.051 ug/L #	1
58) Isopropylbenzene	11.01	105	7893	0.176 ug/L #	94
64) 1,4-Dichlorobenzene	12.09	146	1869	0.088 ug/L #	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093020\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 01:06:26 2020
Response via : Initial Calibration

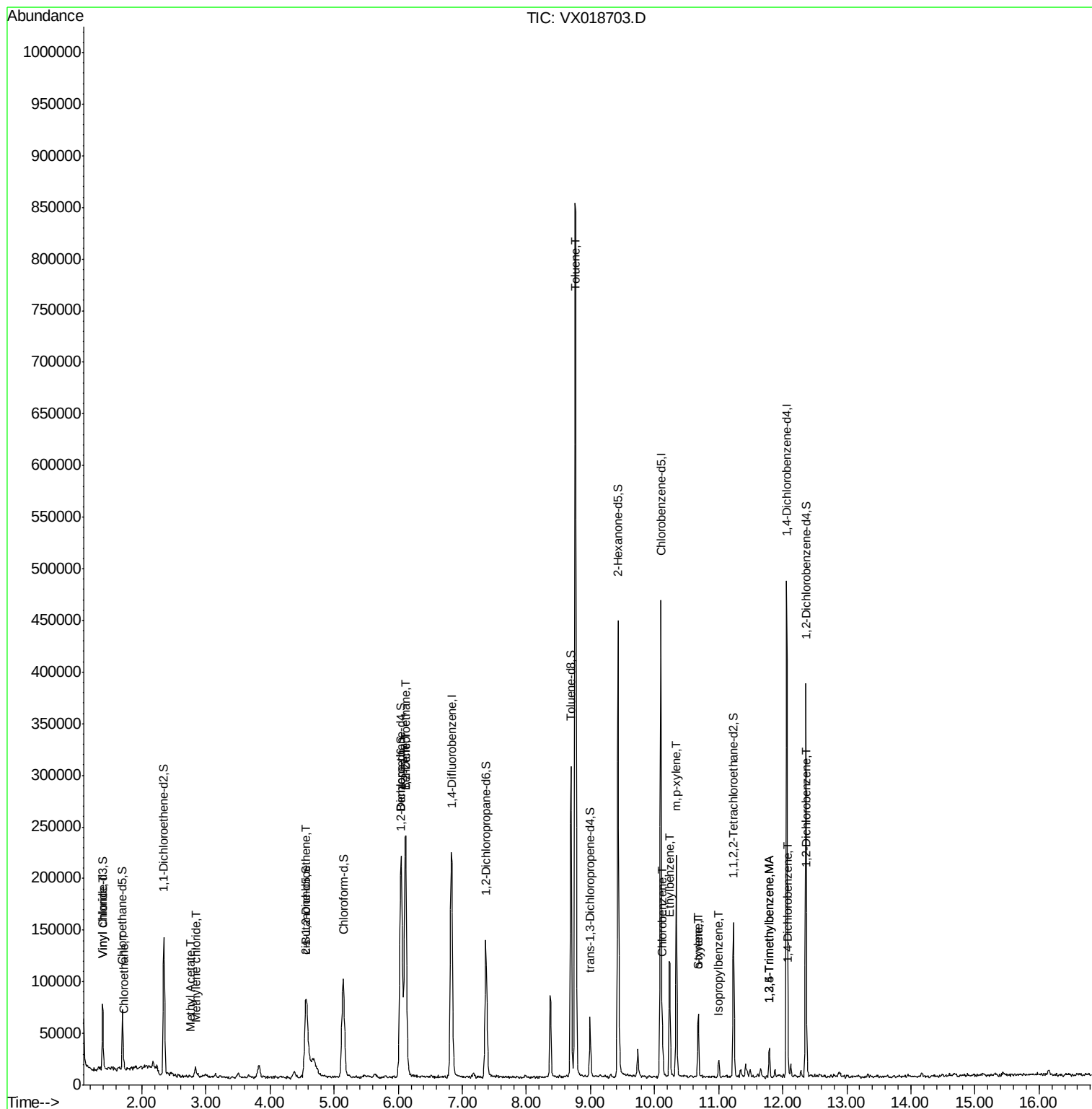
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dichlorobenzene	12.38	146	1862	0.095	ug/L #	89

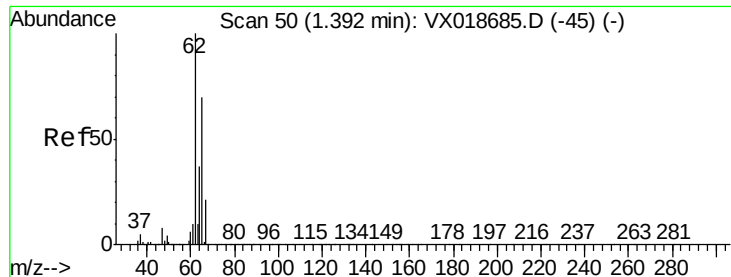
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.216 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018703.D

Acq: 30 Sep 2020 17:36

Instrument :

MSVOA_X

ClientSampleID :

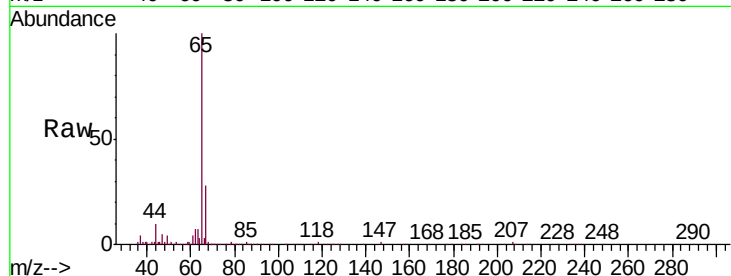
BG495DL2

Tgt Ion: 62 Resp: 2481

Ion Ratio Lower Upper

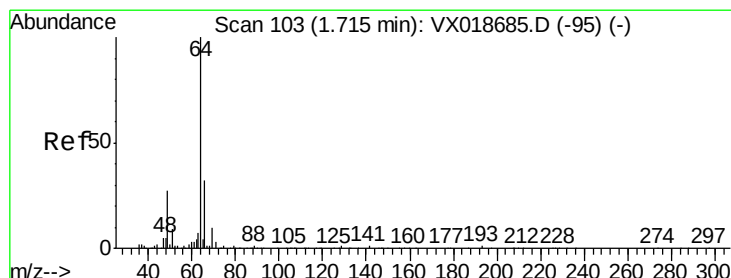
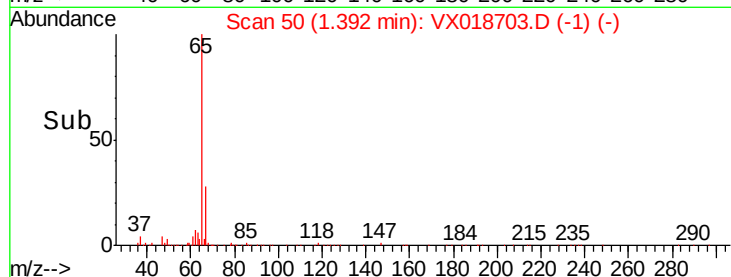
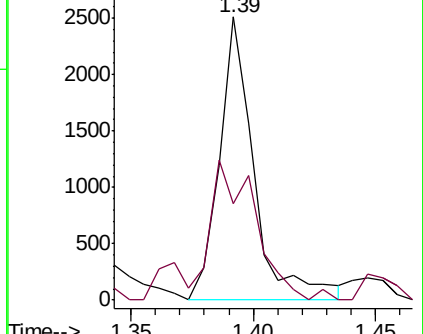
62 100

64 34.0 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0



#8

Chloroethane

Concen: 0.449 ug/L

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX018703.D

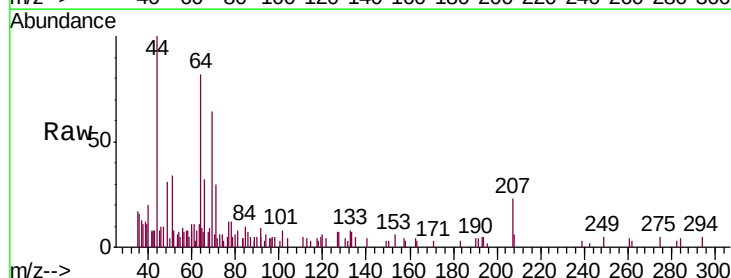
Acq: 30 Sep 2020 17:36

Tgt Ion: 64 Resp: 2840

Ion Ratio Lower Upper

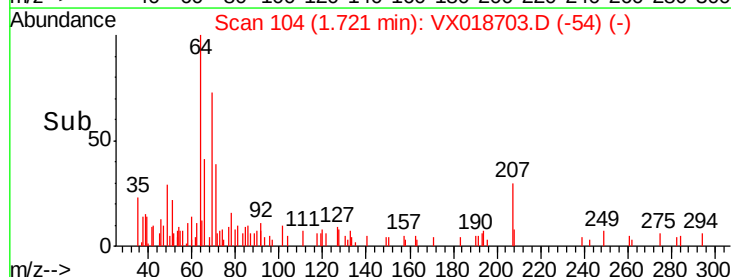
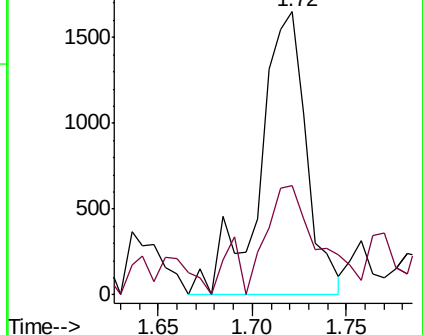
64 100

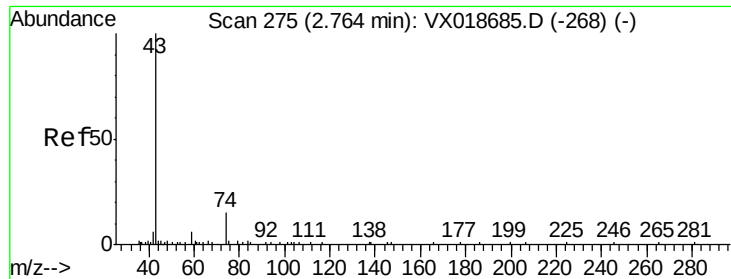
66 34.5 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VX0

Ion 66.05 (65.75 to 66.75): VX0

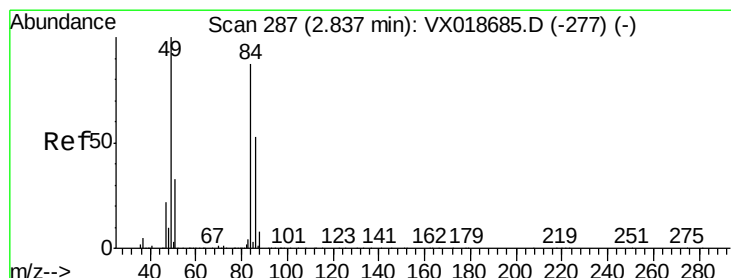
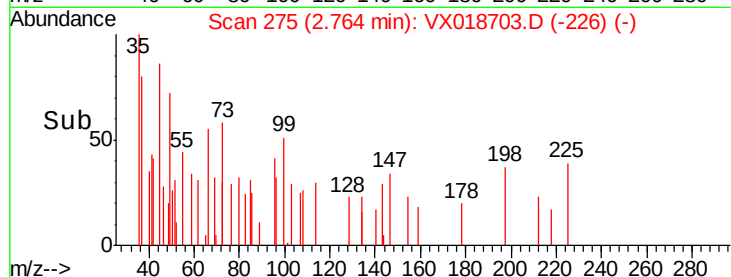
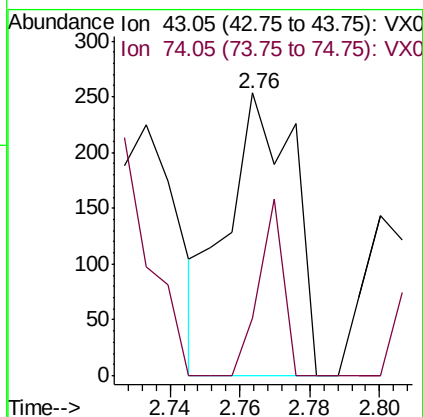
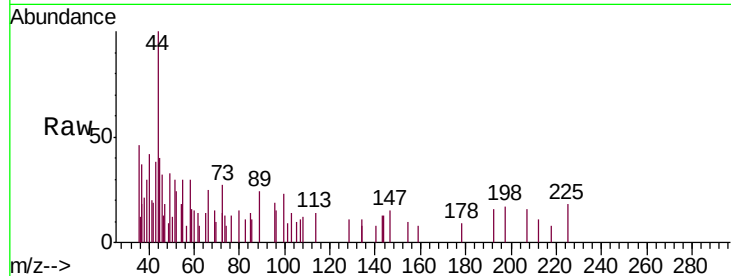




#15
Methyl Acetate
Concen: 0.077 ug/L
RT: 2.76 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX018703.D
Acq: 30 Sep 2020 17:36

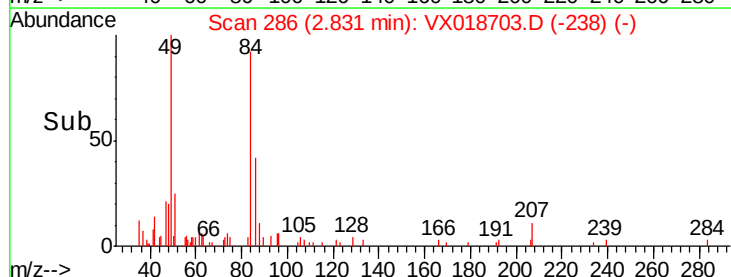
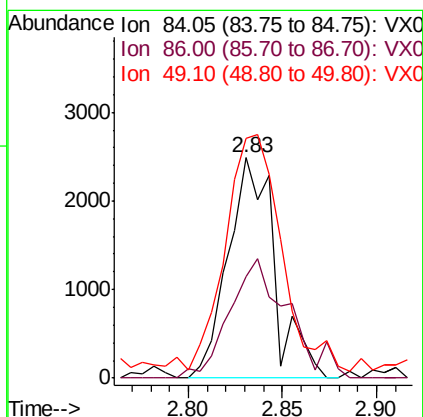
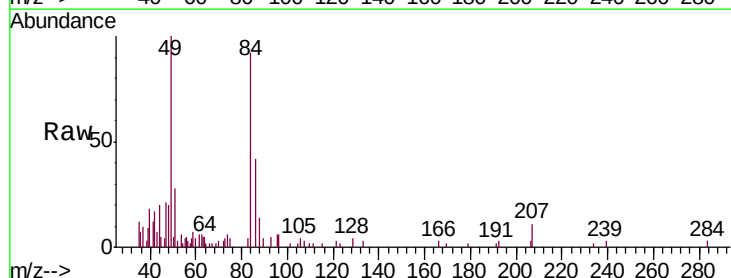
Instrument :
MSVOA_X
ClientSampled :
BG495DL2

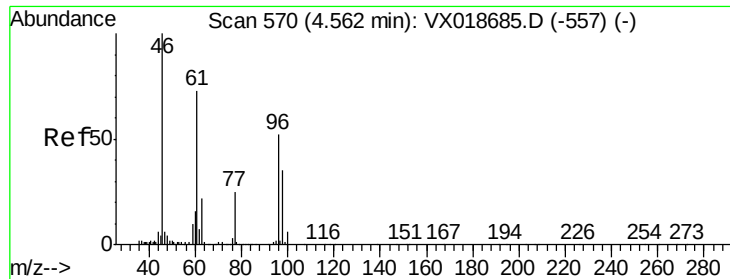
Tgt Ion: 43 Resp: 333
Ion Ratio Lower Upper
43 100
74 23.1 21.2 31.8



#16
Methylene chloride
Concen: 0.300 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018703.D
Acq: 30 Sep 2020 17:36

Tgt Ion: 84 Resp: 4253
Ion Ratio Lower Upper
84 100
86 46.1 41.9 77.7
49 108.6 80.8 150.2



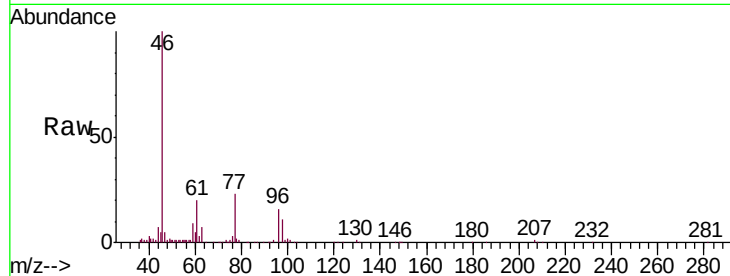


#22

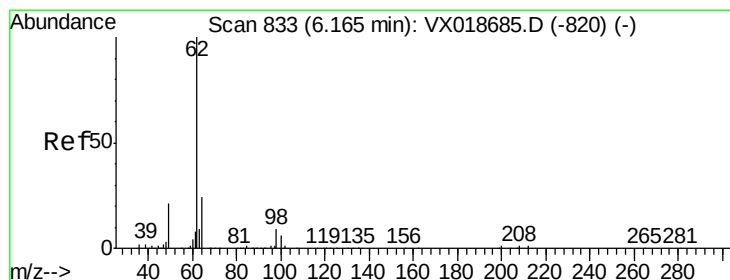
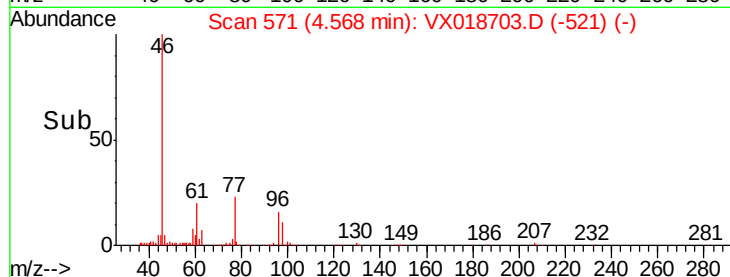
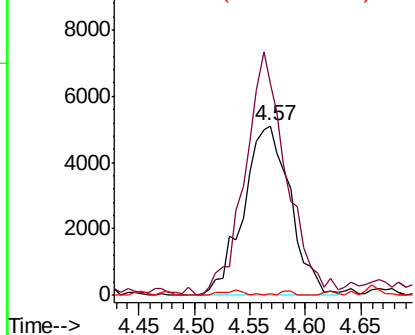
cis-1,2-Dichloroethene
 Concen: 1.388 ug/L
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX018703.D
 Acq: 30 Sep 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleID :
 BG495DL2

Tgt Ion: 96 Resp: 15024
 Ion Ratio Lower Upper
 96 100
 61 125.2 87.7 162.9
 68 1.2 0.3 0.7#



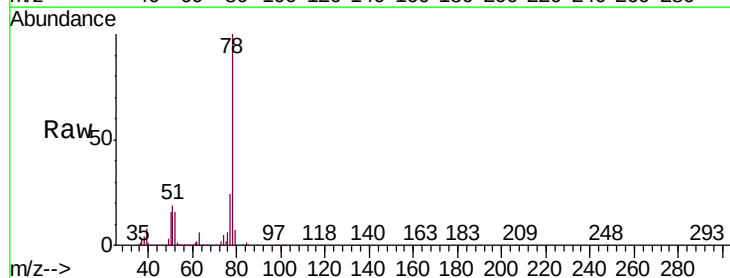
Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.05 (60.75 to 61.75): VX0
 Ion 68.15 (67.85 to 68.85): VX0



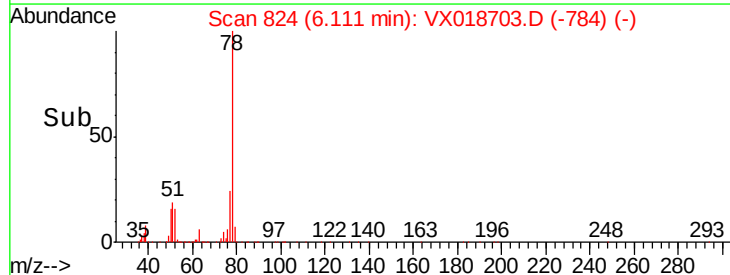
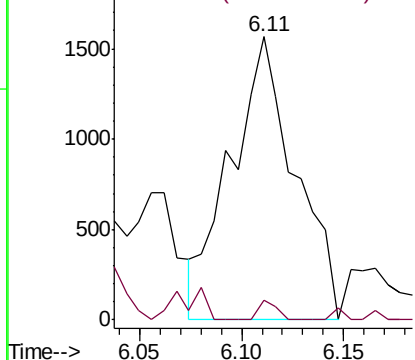
#27

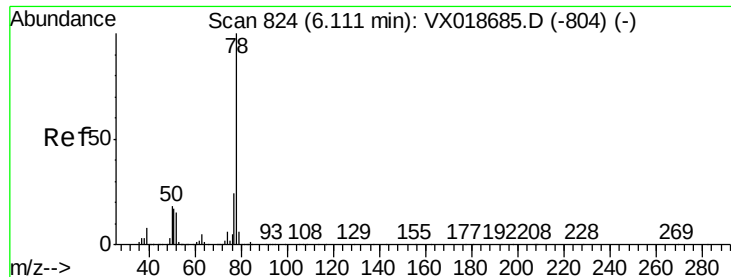
1,2-Dichloroethane
 Concen: 0.268 ug/L
 RT: 6.11 min Scan# 824
 Delta R.T. -0.05 min
 Lab File: VX018703.D
 Acq: 30 Sep 2020 17:36

Tgt Ion: 62 Resp: 3449
 Ion Ratio Lower Upper
 62 100
 98 7.2 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VX0
 Ion 98.05 (97.75 to 98.75): VX0





#33

Benzene

Concen: 7.051 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX018703.D

Acq: 30 Sep 2020 17:36

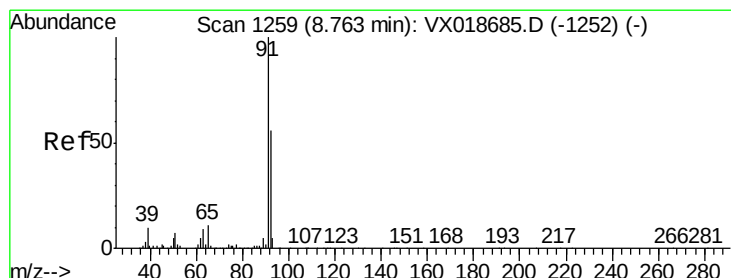
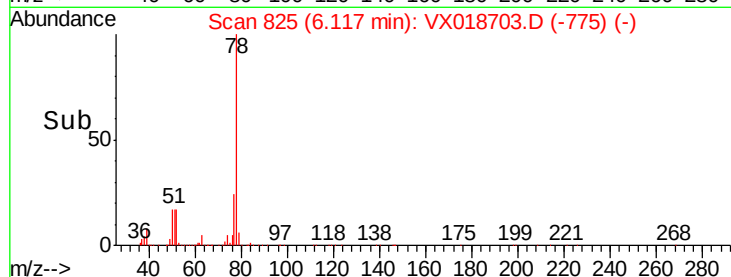
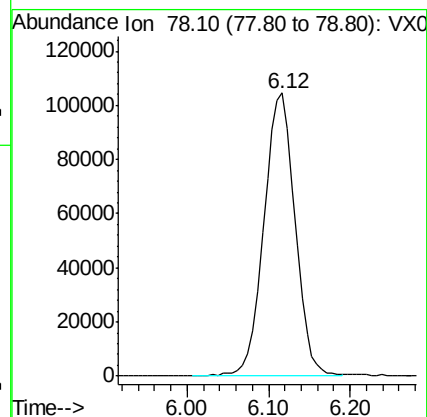
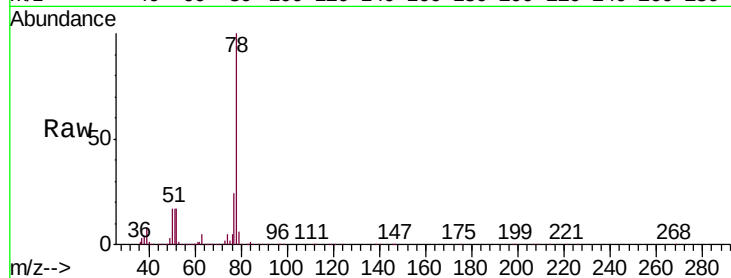
Instrument :

MSVOA_X

ClientSampleId :

BG495DL2

Tgt Ion: 78 Resp: 277254



#42

Toluene

Concen: 12.963 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX018703.D

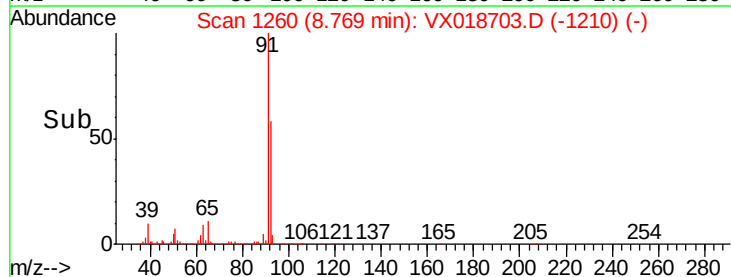
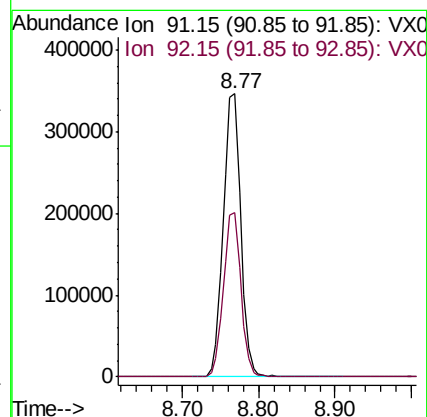
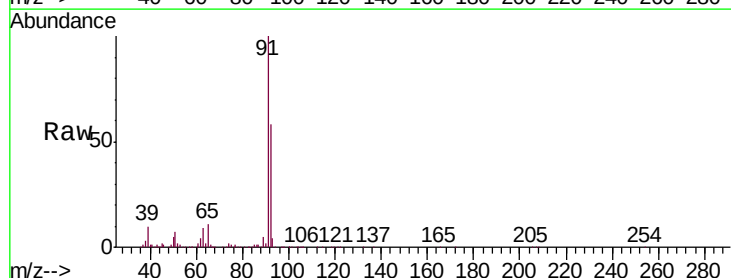
Acq: 30 Sep 2020 17:36

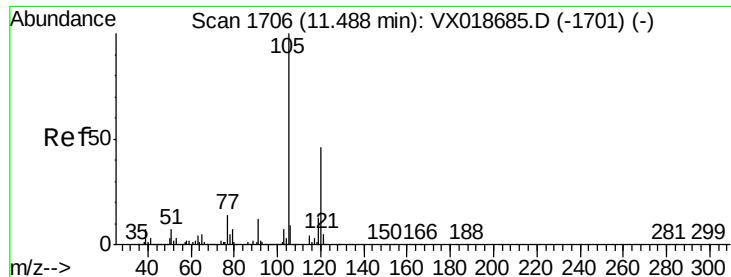
Tgt Ion: 91 Resp: 550553

Ion Ratio Lower Upper

91 100

92 58.1 41.1 76.3





#43

1,3,5-Trimethylbenzene

Concen: 0.309 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.30 min

Lab File: VX018703.D

Acq: 30 Sep 2020 17:36

Instrument :

MSVOA_X

ClientSampled :

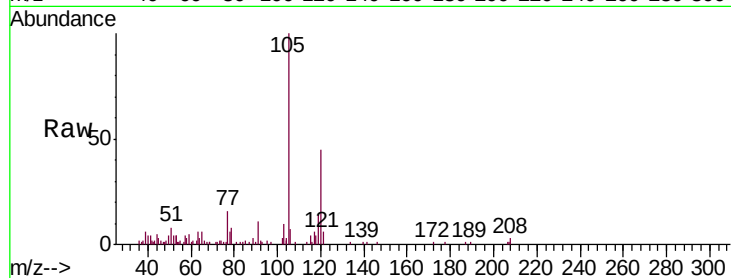
BG495DL2

Tgt Ion:105 Resp: 11473

Ion Ratio Lower Upper

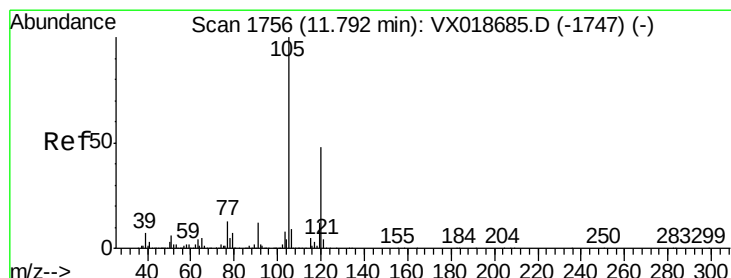
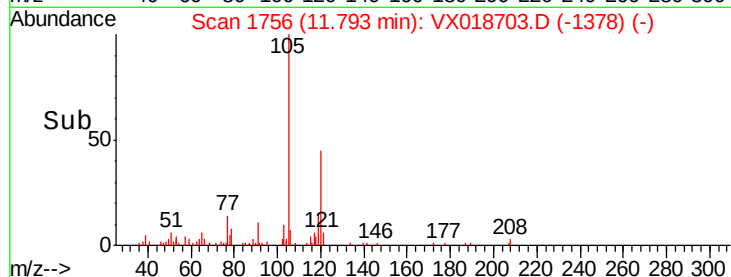
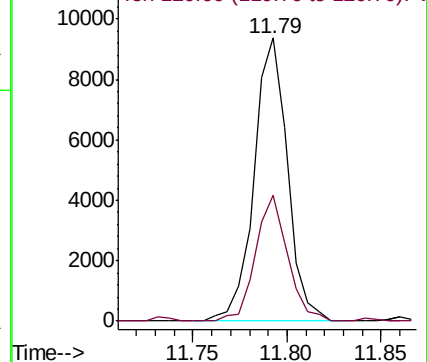
105 100

120 42.9 37.2 55.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#44

1,2,4-Trimethylbenzene

Concen: 0.309 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018703.D

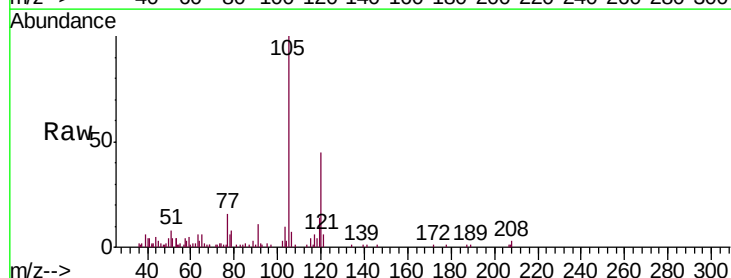
Acq: 30 Sep 2020 17:36

Tgt Ion:105 Resp: 11473

Ion Ratio Lower Upper

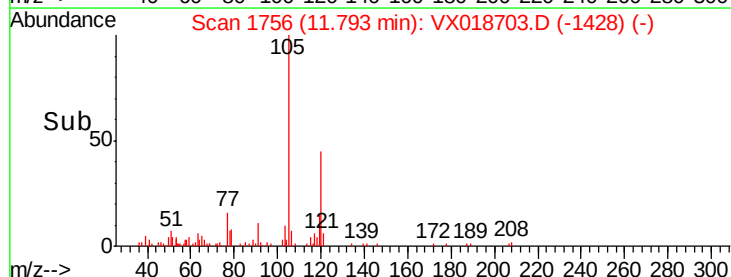
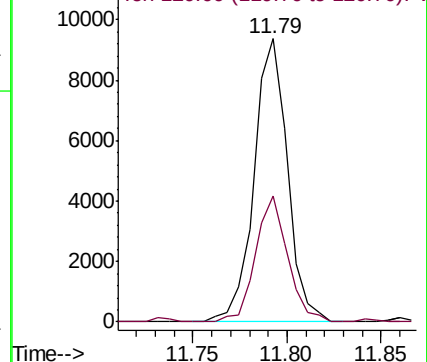
105 100

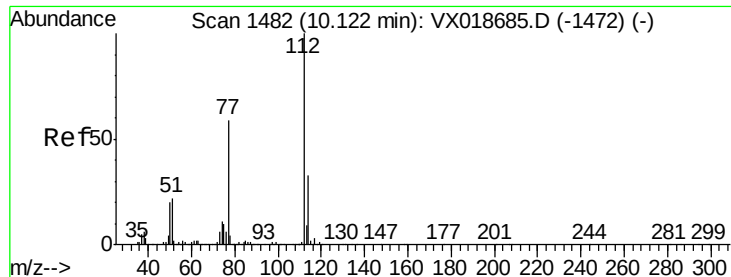
120 42.9 36.8 55.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#53

Chlorobenzene

Concen: 0.584 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

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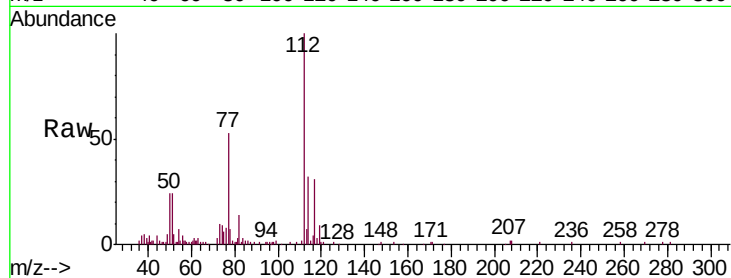
Tgt Ion: 112 Resp: 16380

Ion Ratio Lower Upper

112 100

114 32.5 20.6 38.4

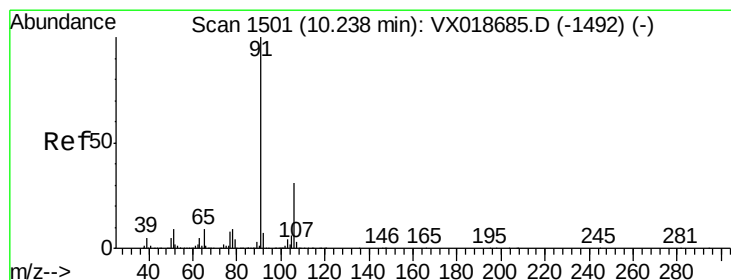
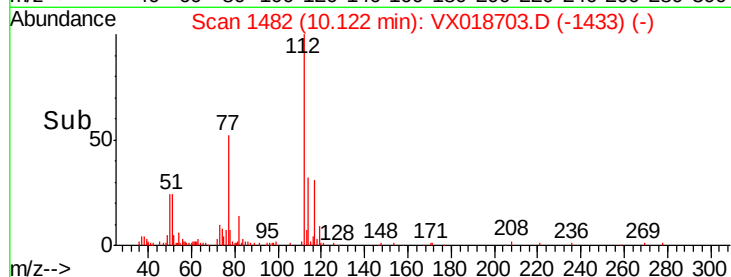
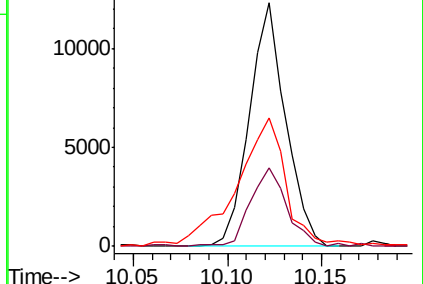
77 52.8 46.6 69.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#54

Ethylbenzene

Concen: 1.369 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX018703.D

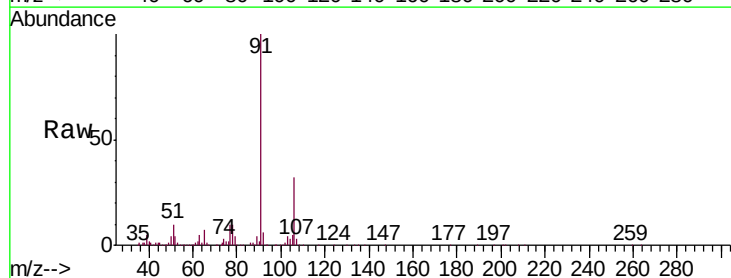
Acq: 30 Sep 2020 17:36

Tgt Ion: 91 Resp: 63322

Ion Ratio Lower Upper

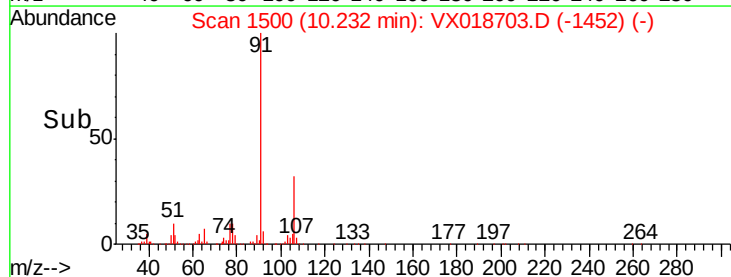
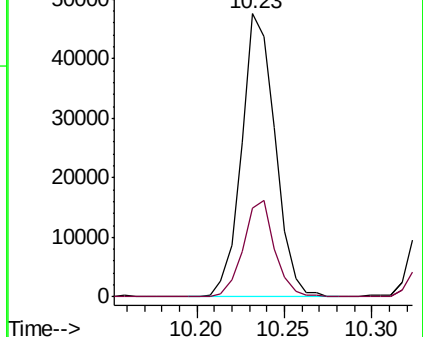
91 100

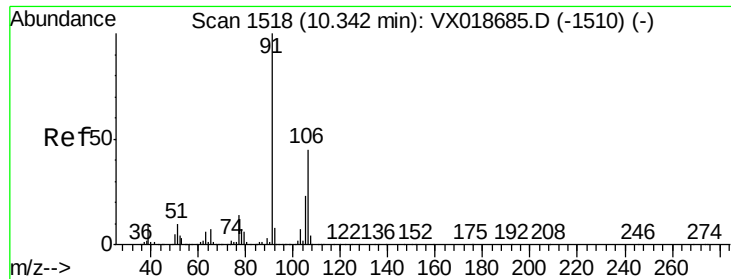
106 31.5 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 2.624 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

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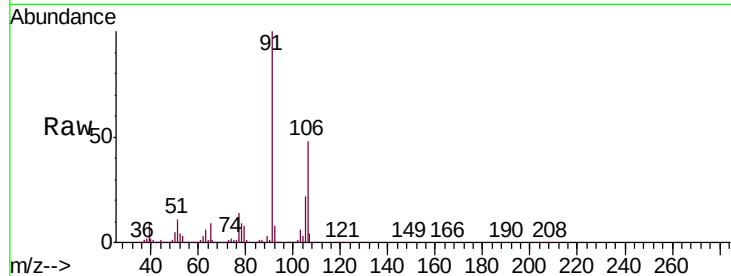
BG495DL2

Tgt Ion:106 Resp: 46416

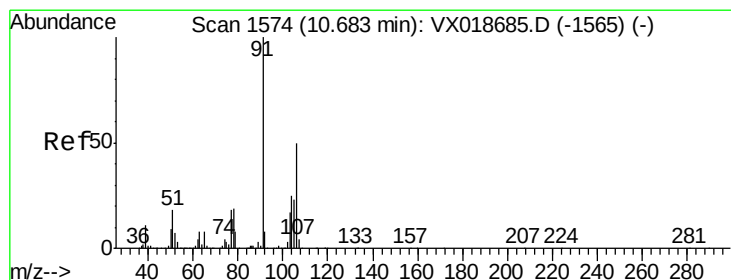
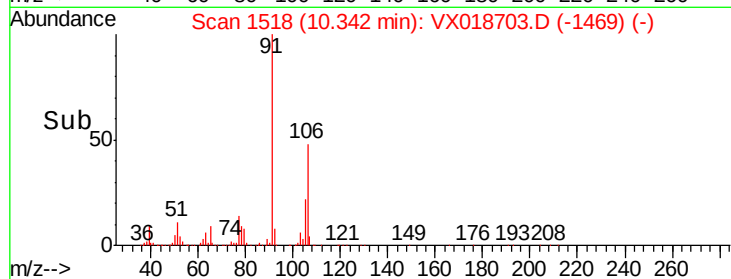
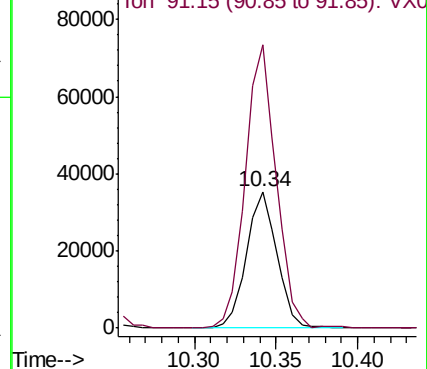
Ion Ratio Lower Upper

106 100

91 207.2 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V



#56

o-xylene

Concen: 0.727 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018703.D

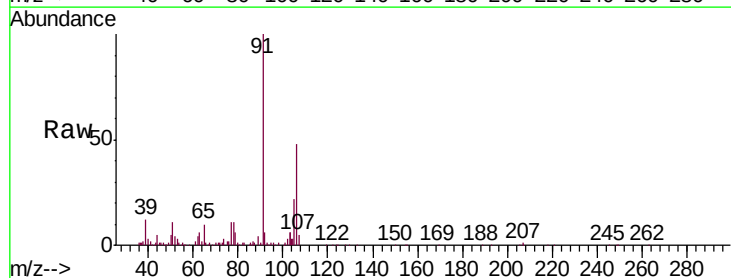
Acq: 30 Sep 2020 17:36

Tgt Ion:106 Resp: 12154

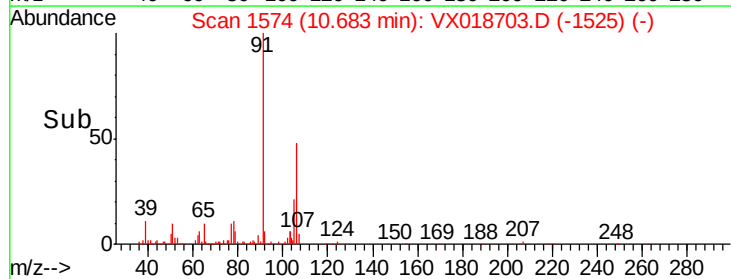
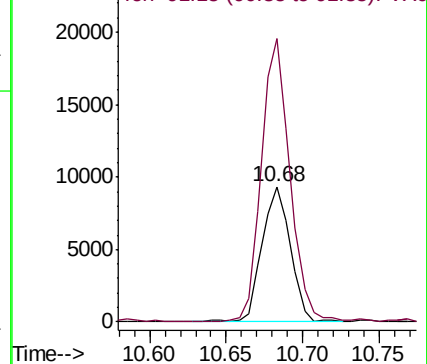
Ion Ratio Lower Upper

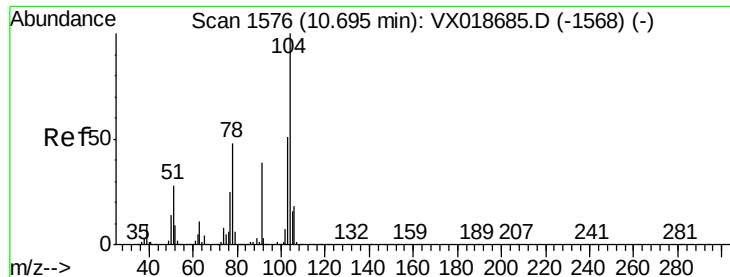
106 100

91 209.0 167.5 311.1



Abundance Ion 106.15 (105.85 to 106.85): V





#57

Styrene

Concen: 0.051 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.01 min

Lab File: VX018703.D

Acq: 30 Sep 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

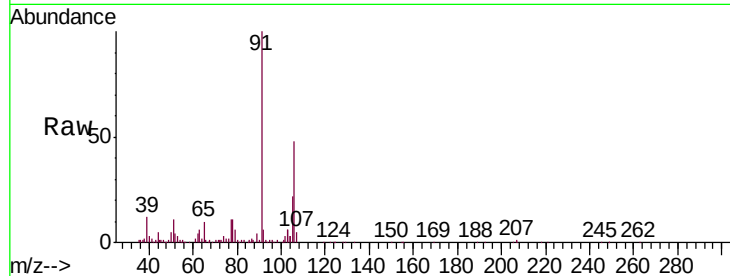
BG495DL2

Tgt Ion:104 Resp: 1414

Ion Ratio Lower Upper

104 100

78 203.9 33.3 61.9#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0

2500

2000

1500

1000

500

0

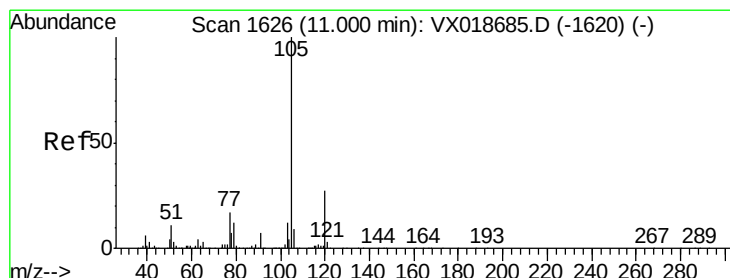
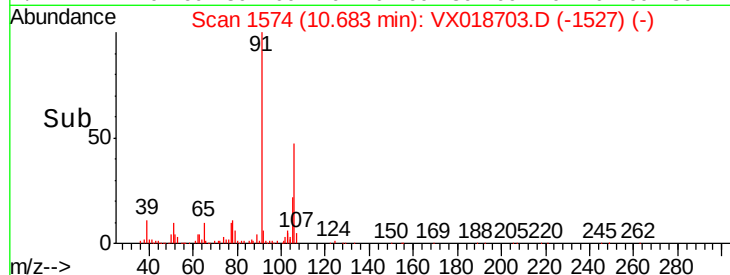
10.68

10.65

10.70

10.75

Time-->



#58

Isopropylbenzene

Concen: 0.176 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018703.D

Acq: 30 Sep 2020 17:36

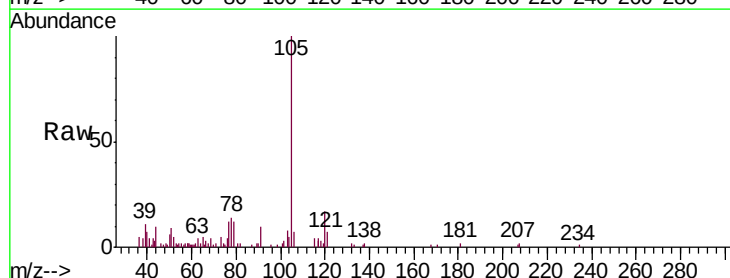
Tgt Ion:105 Resp: 7893

Ion Ratio Lower Upper

105 100

120 29.1 21.2 31.8

77 20.0 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

8000

6000

4000

2000

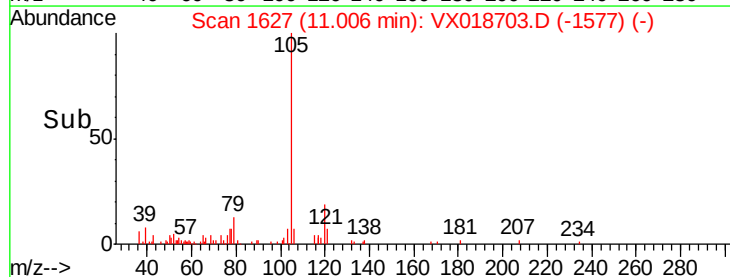
0

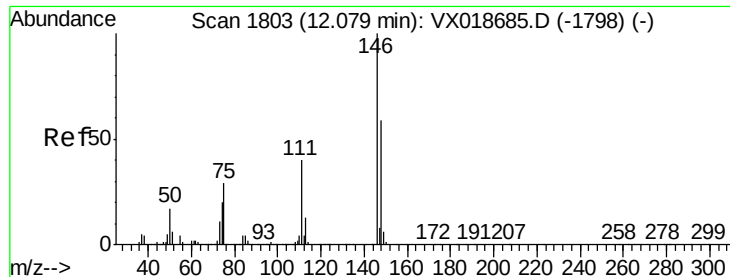
11.01

10.95

11.05

Time-->





#64

1,4-Dichlorobenzene

Concen: 0.088 ug/L

RT: 12.09 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX018703.D

Acq: 30 Sep 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

BG495DL2

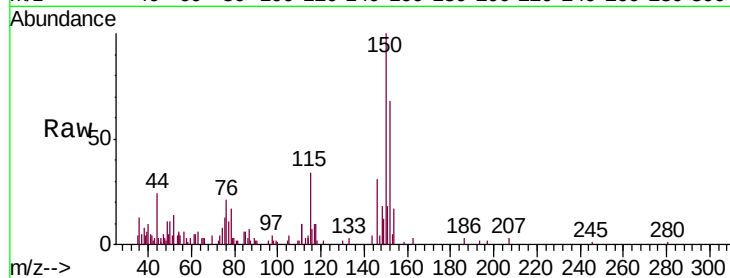
Tgt Ion:146 Resp: 1869

Ion Ratio Lower Upper

146 100

111 64.6 28.8 53.4#

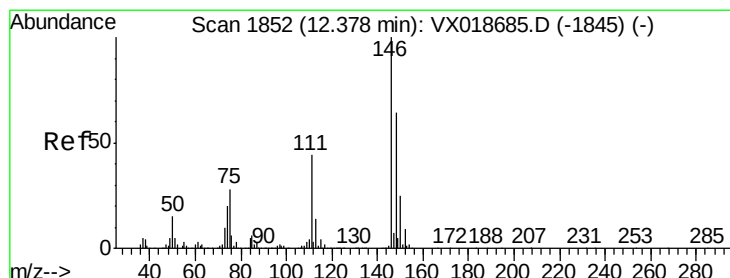
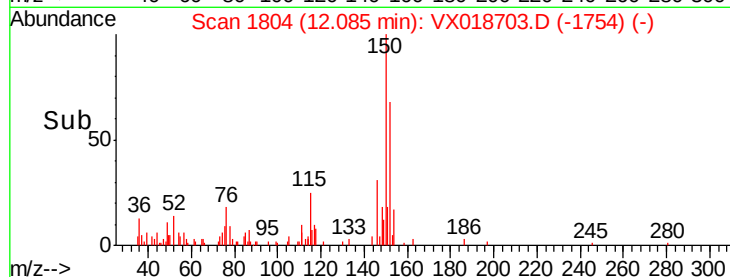
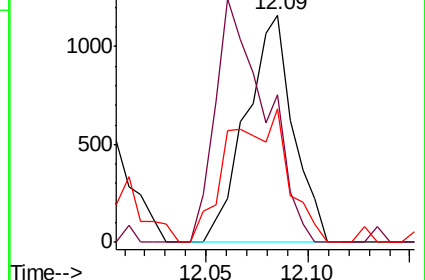
148 59.0 44.9 83.3



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: 0.095 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX018703.D

Acq: 30 Sep 2020 17:36

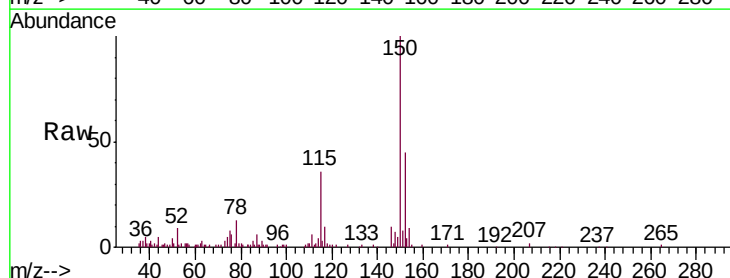
Tgt Ion:146 Resp: 1862

Ion Ratio Lower Upper

146 100

111 54.1 33.6 50.4#

148 71.7 53.4 80.2



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

