

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100220\
 Data File : VX018755.D
 Acq On : 02 Oct 2020 18:17
 Operator : JC/SP
 Sample : L4239-02
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N0

Manual Integrations
 APPROVED

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 10/6/2020 1:25:25 PM

Quant Time: Oct 03 07:22:04 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	225013	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	208608	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.07	152	119547	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	69093	5.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.00%
7) Chloroethane-d5	1.70	69	50583	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.35	63	211164	7.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	142.40%#
20) 2-Butanone-d5	4.56	46	183742	53.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.58%
24) Chloroform-d	5.14	84	156701	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	6.03	65	93964	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	6.05	84	281100	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
36) 1,2-Dichloropropane-d6	7.37	67	81475	5.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.80%
41) Toluene-d8	8.71	98	274774	5.38	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
45) trans-1,3-Dichloropropene-	9.00	79	40167	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
48) 2-Hexanone-d5	9.43	63	163575	60.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.06%
59) 1,1,2,2-Tetrachloroethane-	11.24	84	63348	5.20	ug/L	0.01
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
65) 1,2-Dichlorobenzene-d4	12.37	152	114089	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.39	62	31896	2.627	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	4062	0.321	ug/L #	78
12) 1,1-Dichloroethene	2.36	96	156990	14.006	ug/L #	76
13) Acetone	2.44	43	43961	23.355	ug/L	99
14) Carbon disulfide	2.56	76	22200	0.633	ug/L	99
18) trans-1,2-Dichloroethene	3.14	96	35822	2.985	ug/L	79
19) 1,1-Dichloroethane	3.67	63	1558143	73.028	ug/L	97
21) 2-Butanone	4.65	43	69986m	25.541	ug/L	
22) cis-1,2-Dichloroethene	4.57	96	11361332	917.917	ug/L #	88
29) 1,1,1-Trichloroethane	5.48	97	30184221	1223.118	ug/L	94
30) Cyclohexane	5.56	56	4442080	259.527	ug/L	99
33) Benzene	6.12	78	101237	2.317	ug/L	100
34) Trichloroethene	7.19	95	514101	39.859	ug/L	97
35) Methylcyclohexane	7.44	83	19165	1.049	ug/L #	88
42) Toluene	8.76	91	46740370m	977.805	ug/L	
47) 1,1,2-Trichloroethane	9.20	97	2646	0.320	ug/L #	87
49) Tetrachloroethene	9.32	164	10090	0.895	ug/L	90

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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)
53) Chlorobenzene	10.12	112	567135	17.345	ug/L	92
54) Ethylbenzene	10.24	91	12103110	225.868	ug/L	92
55) m,p-xylene	10.35	106	15030538	719.110	ug/L #	32
56) o-xylene	10.69	106	8756873	453.356	ug/L #	43
58) Isopropylbenzene	11.01	105	4755998	87.951	ug/L	99
63) 1,3-Dichlorobenzene	12.02	146	218394	7.516	ug/L	100
64) 1,4-Dichlorobenzene	12.09	146	1204802	41.576	ug/L	96
66) 1,2-Dichlorobenzene	12.38	146	571952	21.082	ug/L	92
69) 1,2,4-trichlorobenzene	13.63	180	840976	45.291	ug/L	98
71) 1,2,3-Trichlorobenzene	14.01	180	310621	18.593	ug/L	96

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

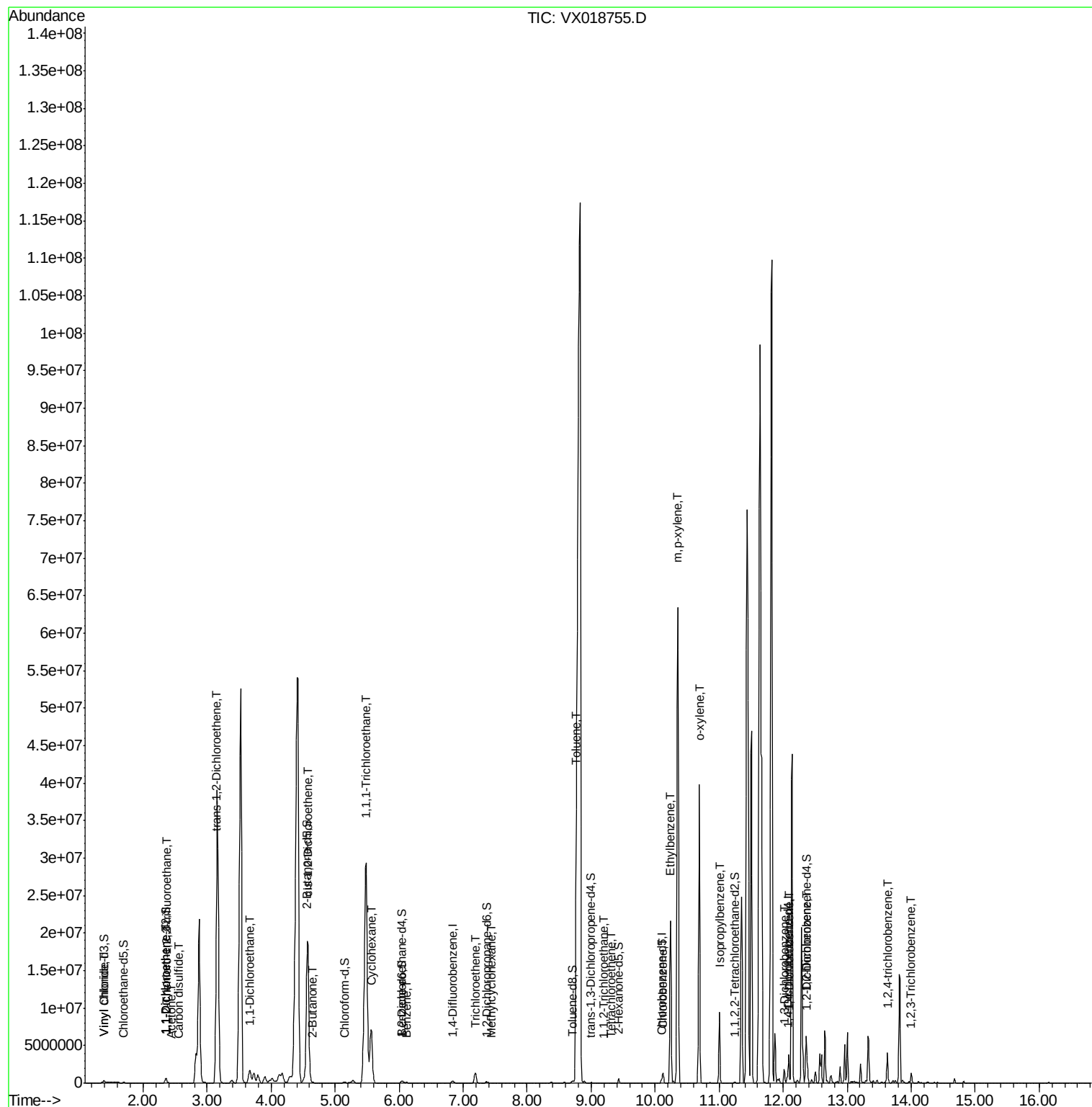
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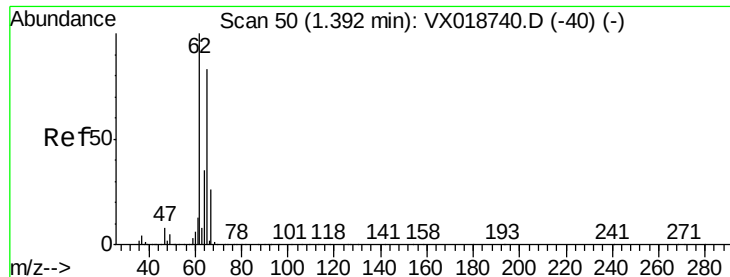
Instrument :
MSVOA_X
ClientSampleId :
BG3N0

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.627 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018755.D

Acq: 02 Oct 2020 18:17

Instrument :

MSVOA_X

ClientSampled :

BG3N0

Tot Ion: 62 Resp: 31896

Ion Ratio Lower Upper

62 100

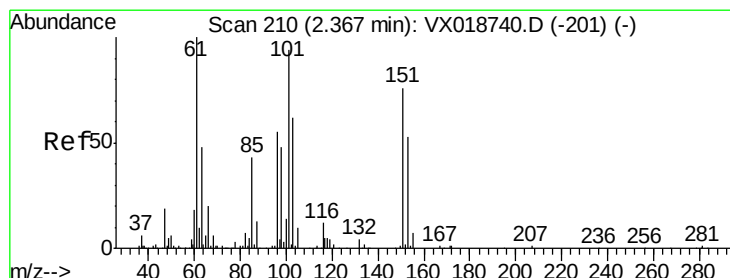
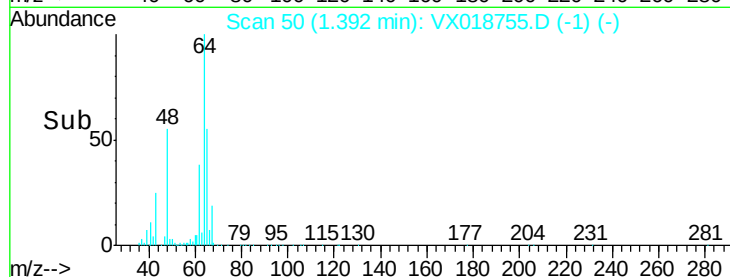
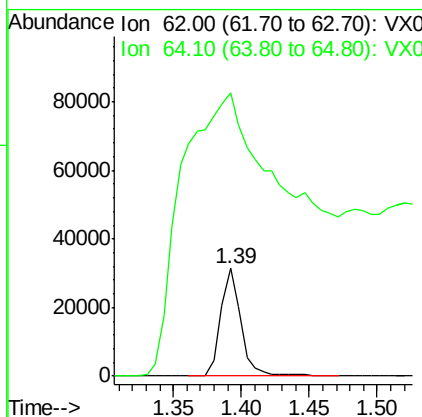
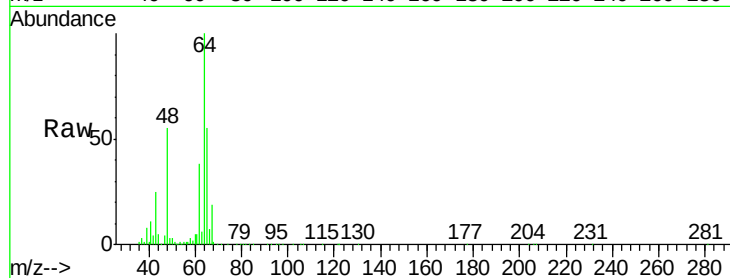
64 262.5 24.3 45.1#

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#10

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

Concen: 0.321 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018755.D

Acq: 02 Oct 2020 18:17

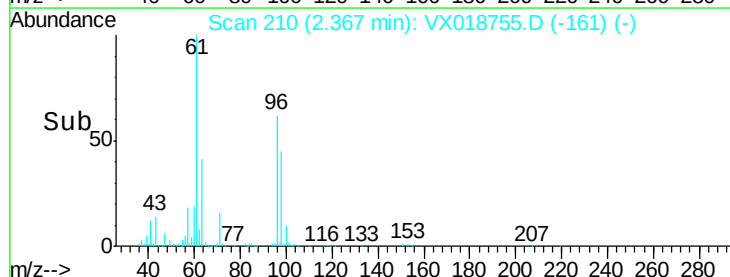
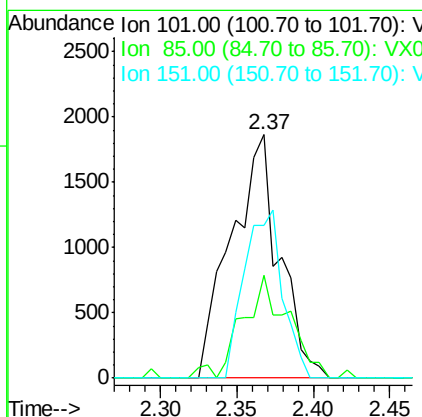
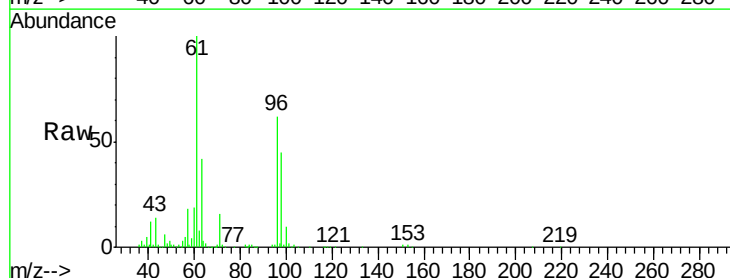
Tgt Ion: 101 Resp: 4062

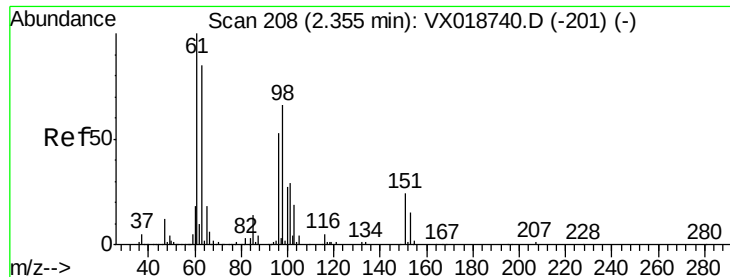
Ion Ratio Lower Upper

101 100

85 40.3 37.1 55.7

151 55.5 65.0 97.6#





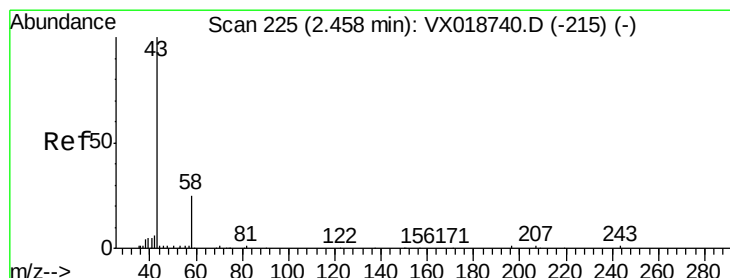
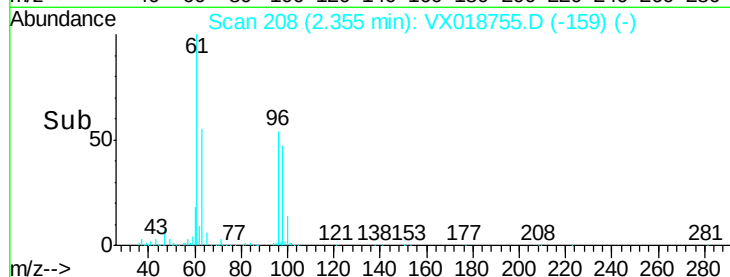
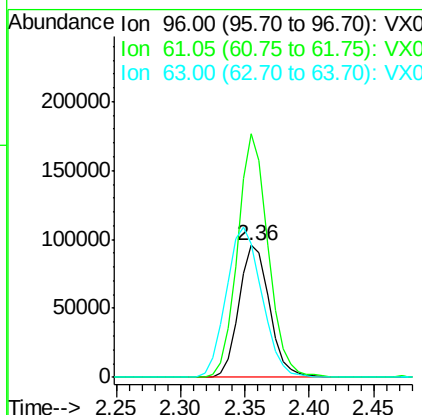
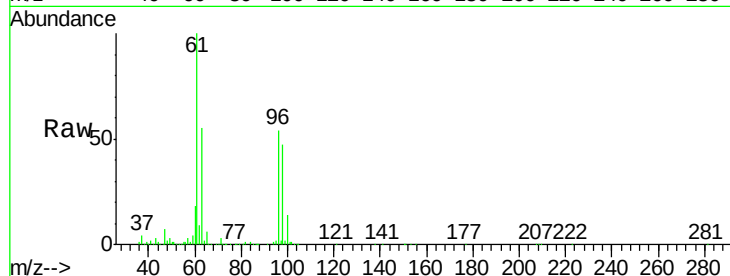
#12
 1,1-Dichloroethene
 Concen: 14.006 ug/L
 RT: 2.36 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VX018755.D
 Acq: 02 Oct 2020 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N0

Tot Ion	Ratio	Lower	Upper
96	100		
61	184.3	133.2	247.4
63	100.9	115.1	213.7#

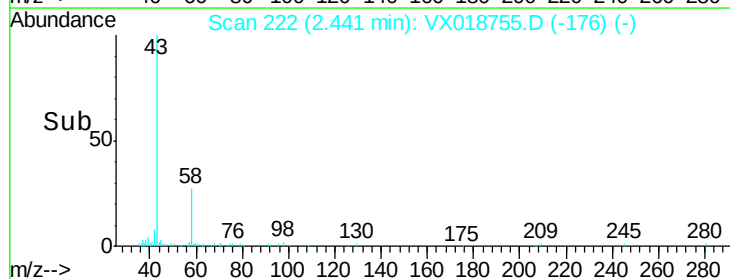
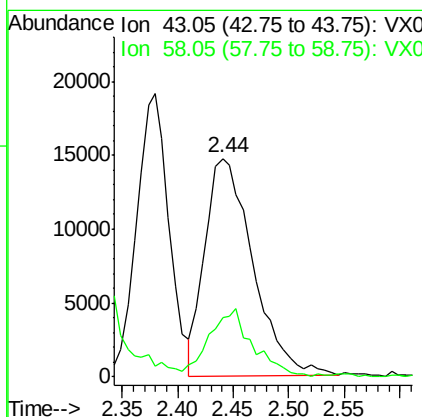
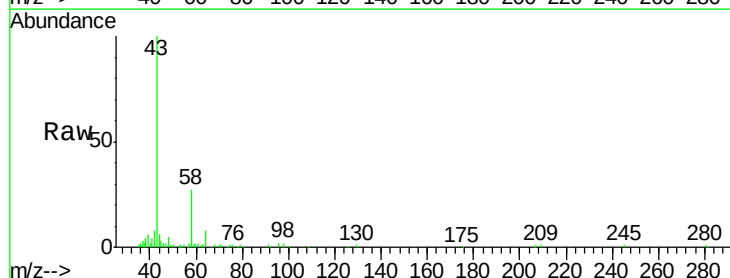
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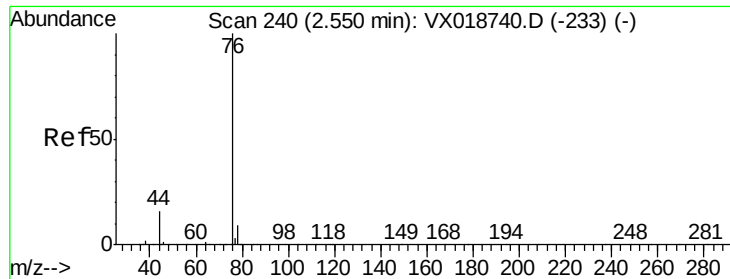
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#13
 Acetone
 Concen: 23.355 ug/L
 RT: 2.44 min Scan# 222
 Delta R.T. -0.02 min
 Lab File: VX018755.D
 Acq: 02 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.6	0.0	56.4





#14

Carbon disulfide

Concen: 0.633 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018755.D

Acq: 02 Oct 2020 18:17

Instrument :

MSVOA_X

ClientSampled :

BG3N0

Tot Ion: 76 Resp: 22200

Ion Ratio Lower Upper

76 100

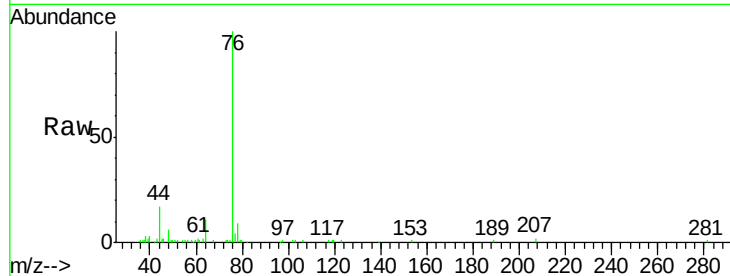
78 9.1 7.4 11.2

Manual Integrations

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Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

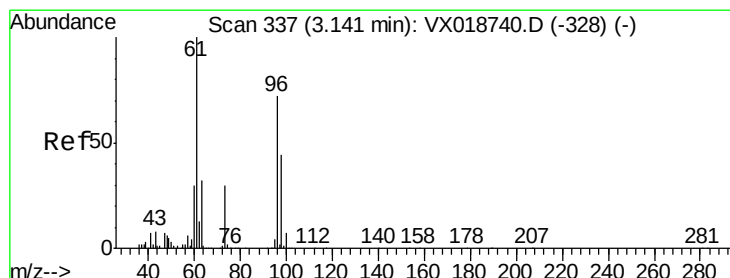
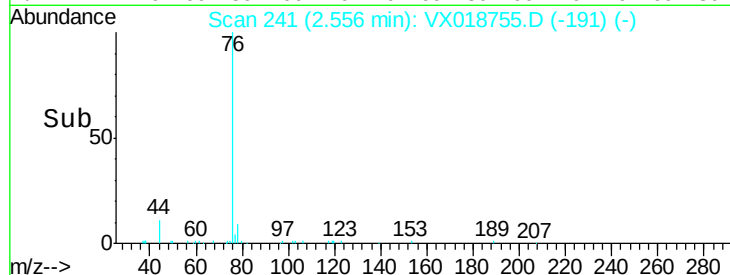
2.56

10000

5000

0

Time-->



#18

trans-1,2-Dichloroethene

Concen: 2.985 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018755.D

Acq: 02 Oct 2020 18:17

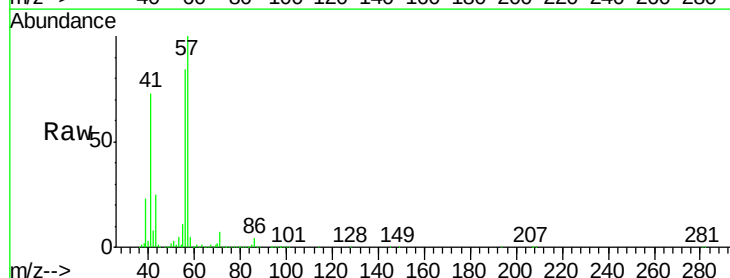
Tgt Ion: 96 Resp: 35822

Ion Ratio Lower Upper

96 100

61 176.0 97.6 181.4

98 62.1 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 97.95 (97.65 to 98.65): VX0

40000

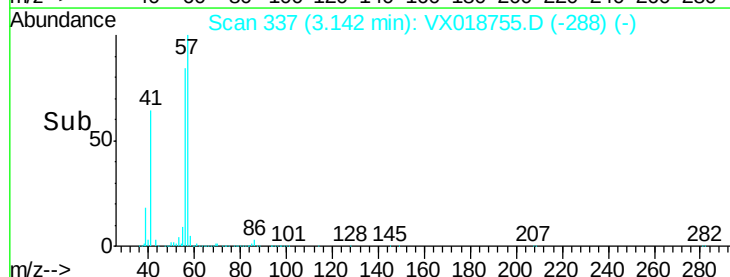
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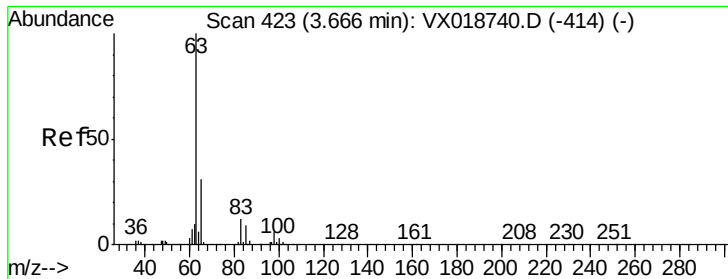
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Time-->





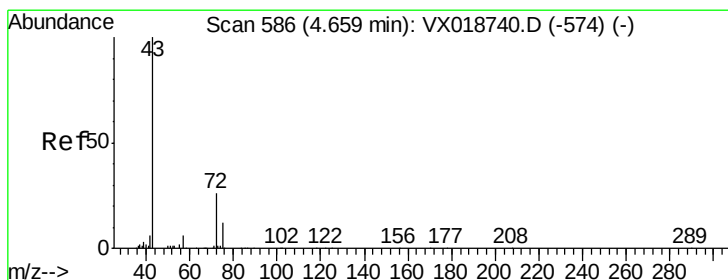
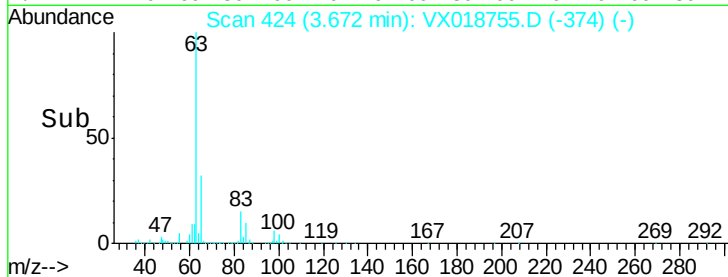
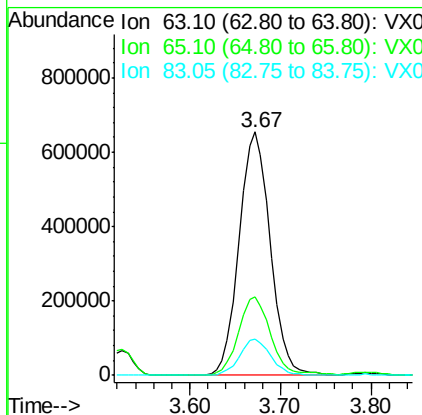
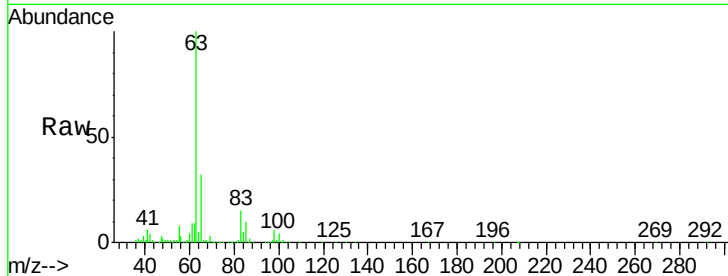
#19
 1,1-Dichloroethane
 Concen: 73.028 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.01 min
 Lab File: VX018755.D
 Acq: 02 Oct 2020 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N0

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	21.6	40.2
83	14.7	8.7	16.1

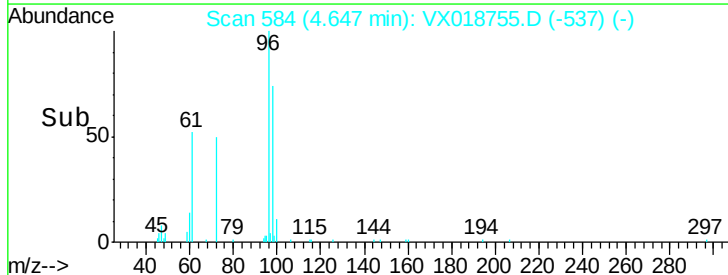
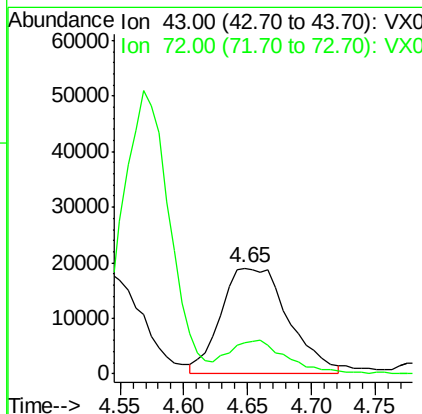
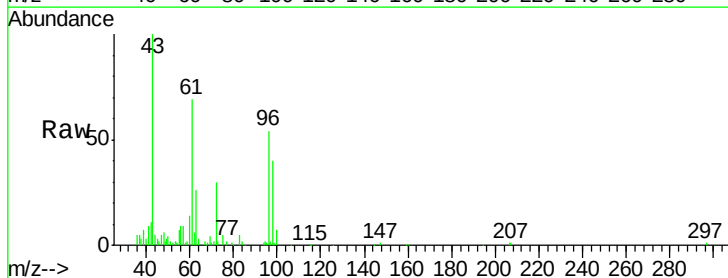
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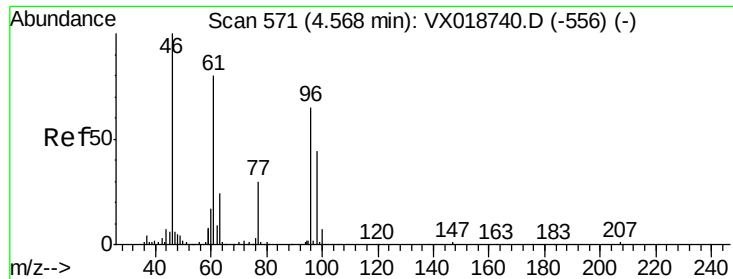
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#21
 2-Butanone
 Concen: 25.541 ug/L m
 RT: 4.65 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: VX018755.D
 Acq: 02 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
43	100		
72	192.3	12.4	37.2#





#22

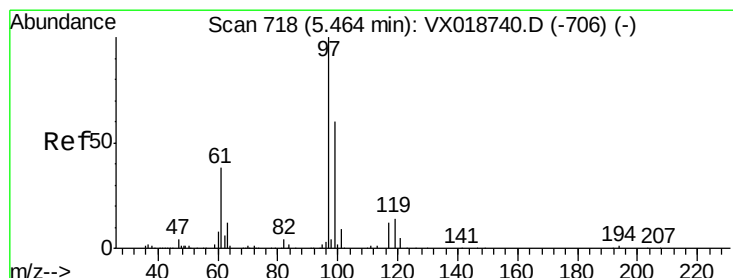
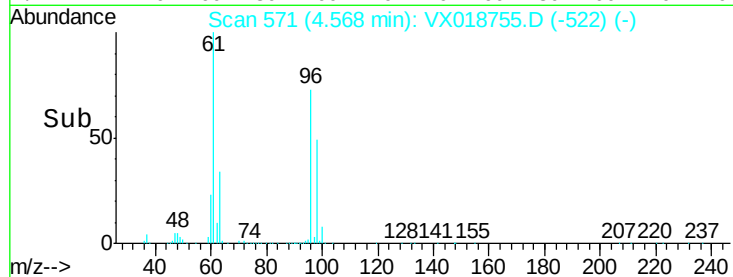
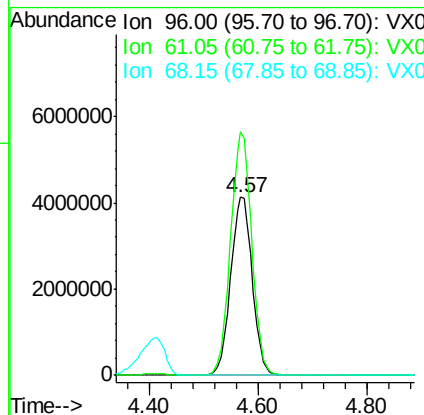
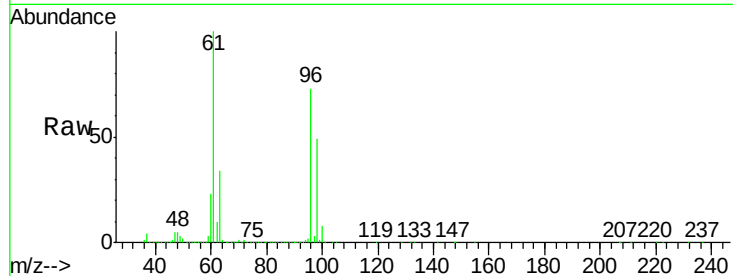
cis-1,2-Dichloroethene
Concen: 917.917 ug/L
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX018755.D
Acq: 02 Oct 2020 18:17

Instrument :
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BG3N0

Tot Ion: 96 Resp:11361332
Ion Ratio Lower Upper
96 100
61 136.8 86.2 160.0
68 0.0 0.3 0.7#

Manual Integrations
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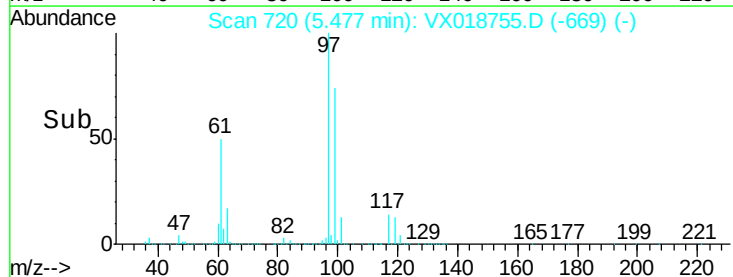
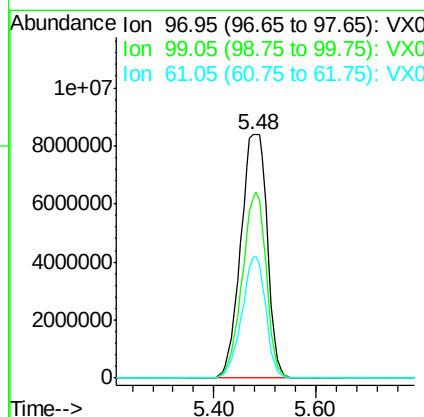
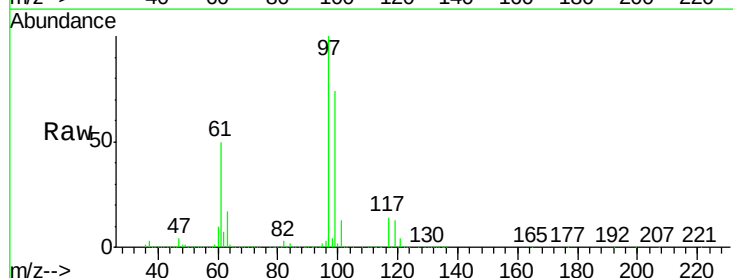
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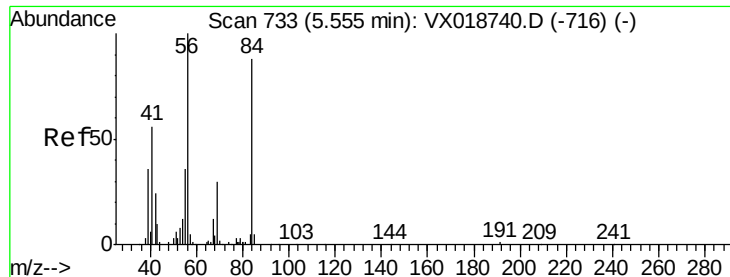


#29

1,1,1-Trichloroethane
Concen: 1223.118 ug/L
RT: 5.48 min Scan# 720
Delta R.T. 0.01 min
Lab File: VX018755.D
Acq: 02 Oct 2020 18:17

Tgt Ion: 97 Resp:30184221
Ion Ratio Lower Upper
97 100
99 68.9 51.3 76.9
61 44.7 33.3 49.9





#30

Cyclohexane

Concen: 259.527 ug/L

RT: 5.56 min Scan# 734

Delta R.T. 0.01 min

Lab File: VX018755.D

Acq: 02 Oct 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

BG3N0

Tot Ion: 56 Resp: 4442080

Ion Ratio Lower Upper

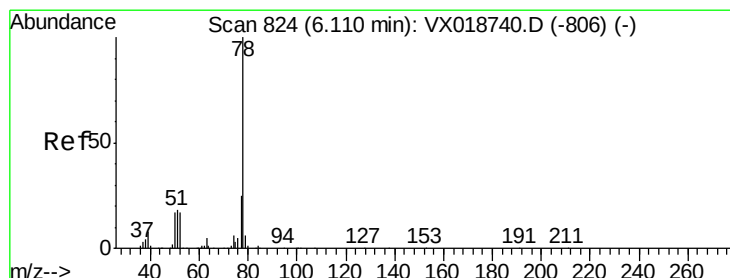
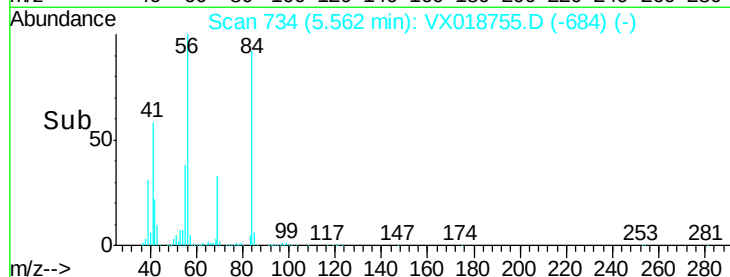
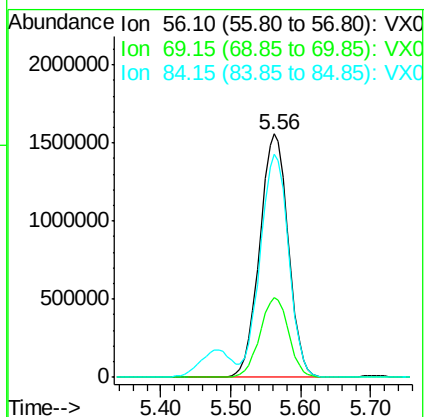
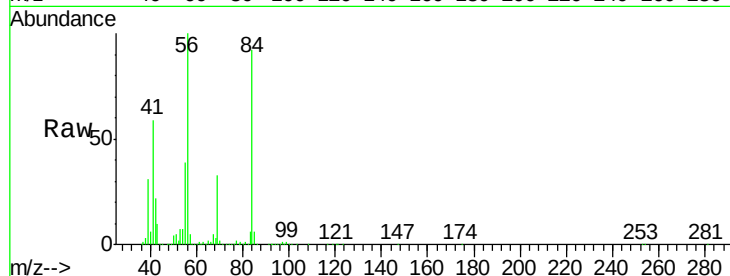
56 100

69 32.9 26.0 39.0

84 91.2 73.8 110.6

Manual Integrations
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#33

Benzene

Concen: 2.317 ug/L

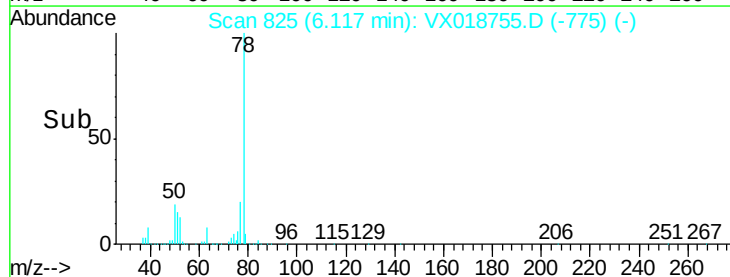
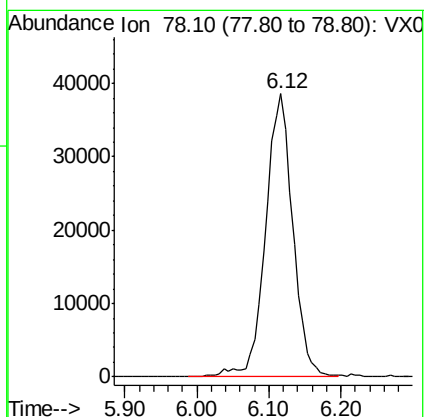
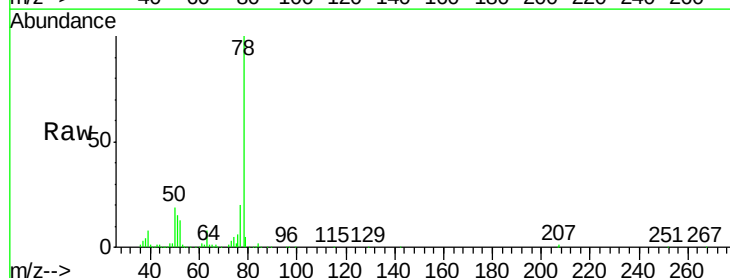
RT: 6.12 min Scan# 825

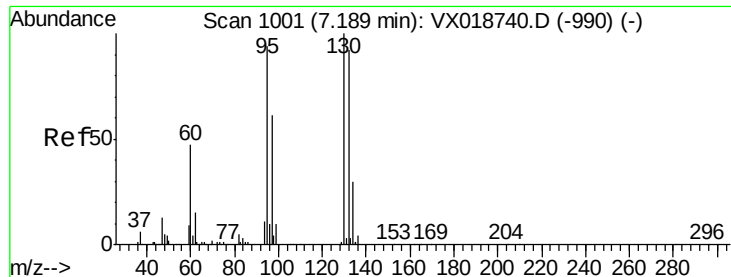
Delta R.T. 0.01 min

Lab File: VX018755.D

Acq: 02 Oct 2020 18:17

Tgt Ion: 78 Resp: 101237





#34

Trichloroethene

Concen: 39.859 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018755.D

Acq: 02 Oct 2020 18:17

Instrument :

MSVOA_X

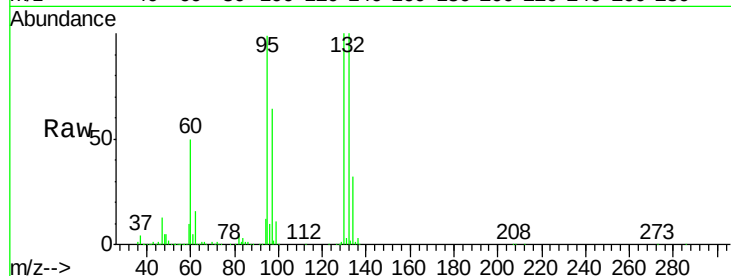
ClientSampled :

BG3N0

Tot Ion	95	Resp	514101
Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.3	84.1
132	100.5	68.6	127.4
130	100.4	74.5	138.3

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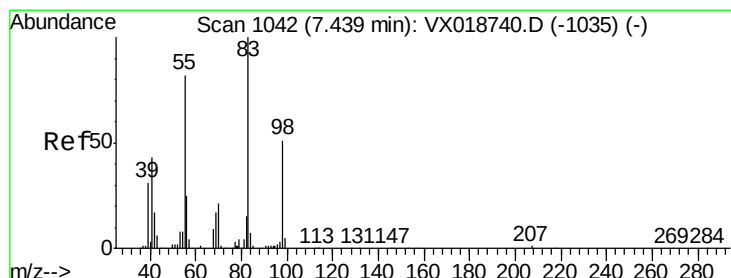
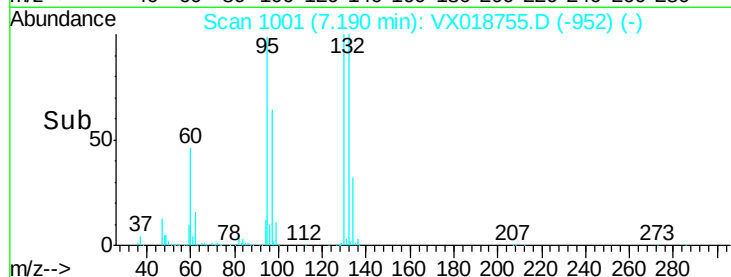
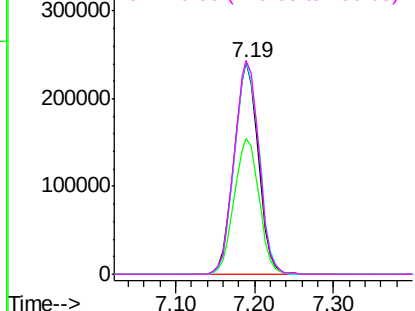


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 1.049 ug/L

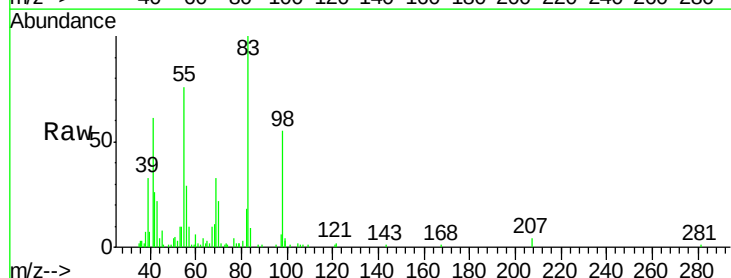
RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX018755.D

Acq: 02 Oct 2020 18:17

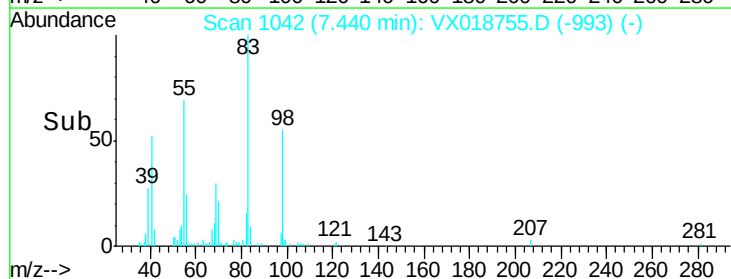
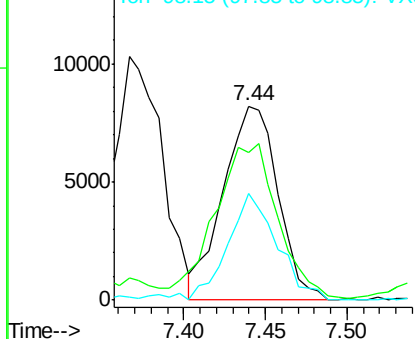
Tgt Ion	83	Resp	19165
Ion	Ratio	Lower	Upper
83	100		
55	91.4	60.3	90.5#
98	49.7	39.4	59.0

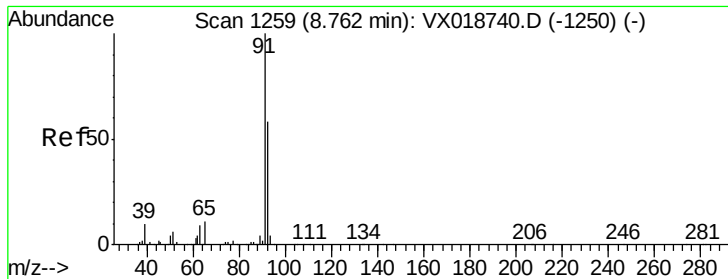


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#42

Toluene

Concen: 977.805 ug/L m

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018755.D

Acq: 02 Oct 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

BG3N0

Tot Ion: 91 Resp: 46740370

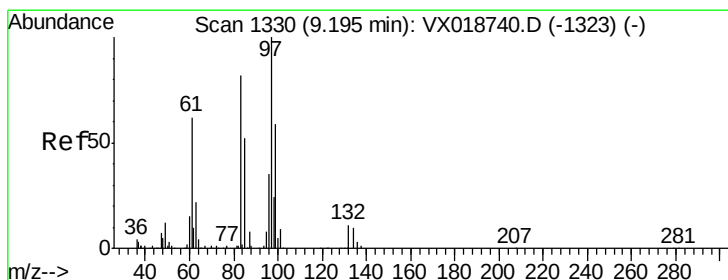
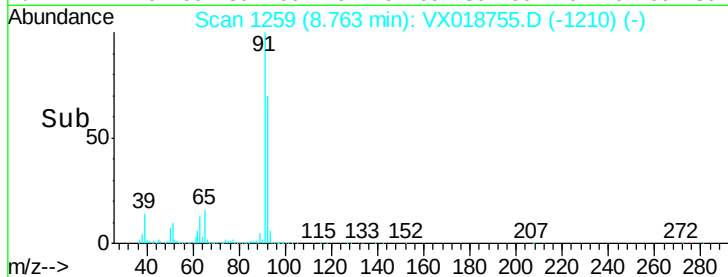
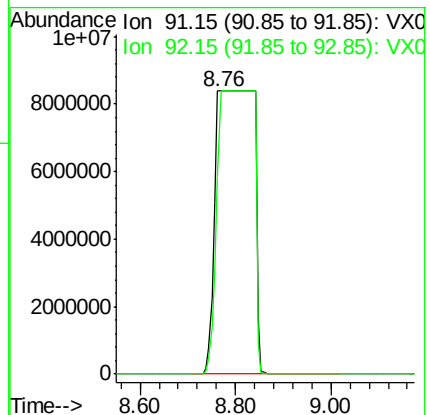
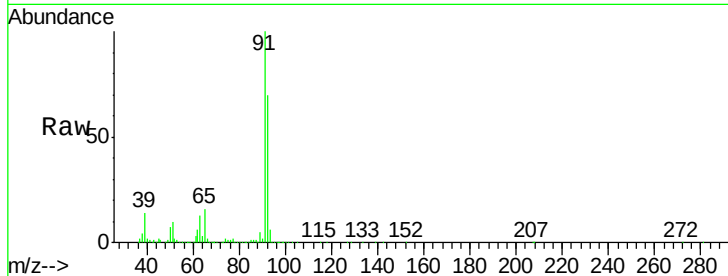
Ion Ratio Lower Upper

91 100

92 69.9 40.3 74.9

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#47

1,1,2-Trichloroethane

Concen: 0.320 ug/L

RT: 9.20 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VX018755.D

Acq: 02 Oct 2020 18:17

Tgt Ion: 97 Resp: 2646

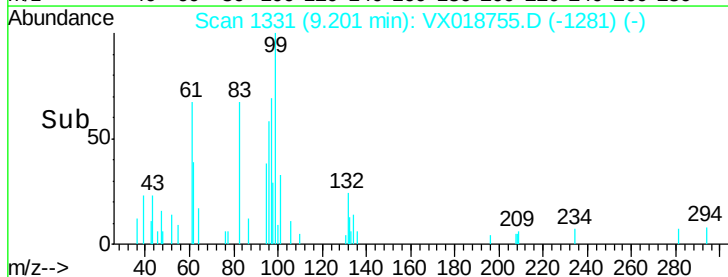
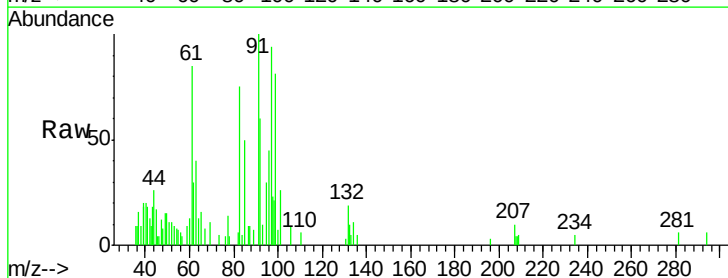
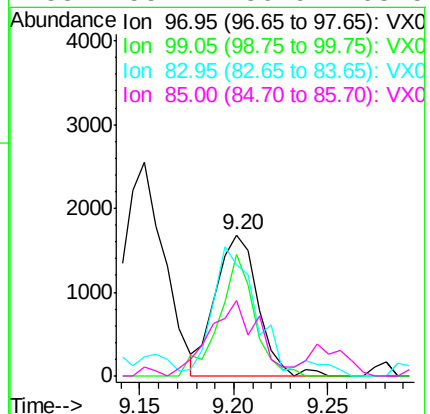
Ion Ratio Lower Upper

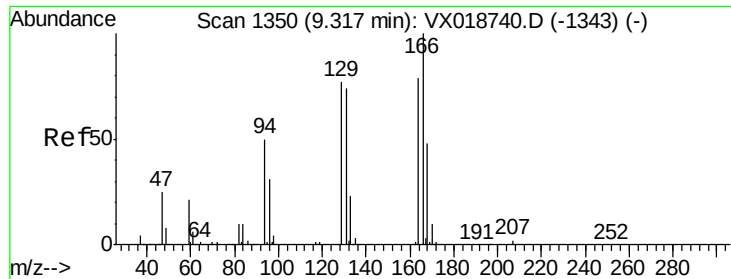
97 100

99 86.0 41.1 76.3#

83 79.0 57.5 106.7

85 53.1 36.9 68.5





#49

Tetrachloroethene

Concen: 0.895 ug/L

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX018755.D

Acq: 02 Oct 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

BG3N0

Tot Ion:164 Resp: 10090

Ion Ratio Lower Upper

164 100

129 75.3 68.7 127.5

131 94.8 65.3 121.3

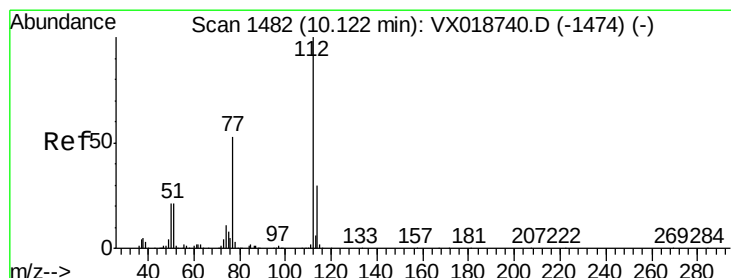
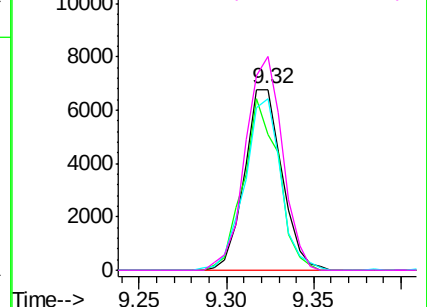
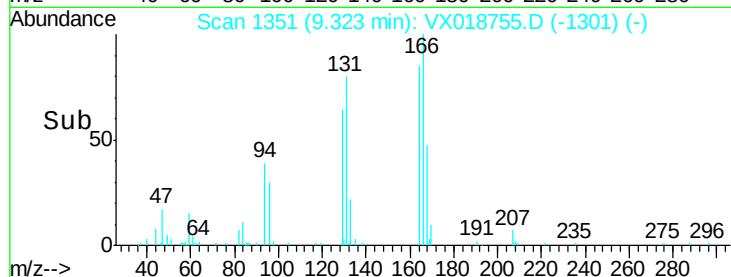
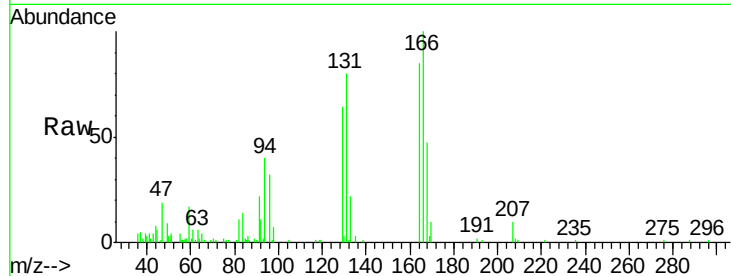
166 118.2 88.5 164.4

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#53

Chlorobenzene

Concen: 17.345 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018755.D

Acq: 02 Oct 2020 18:17

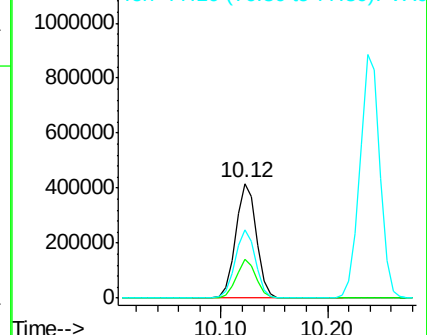
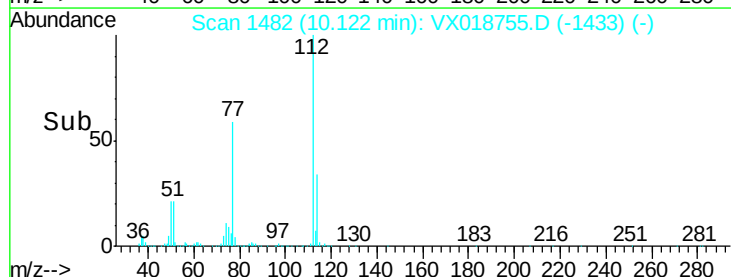
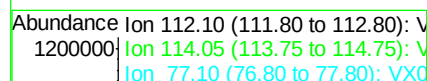
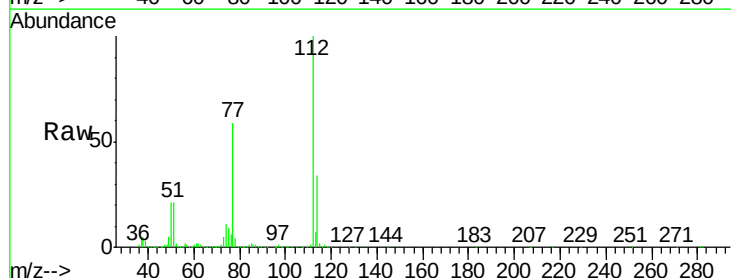
Tgt Ion:112 Resp: 567135

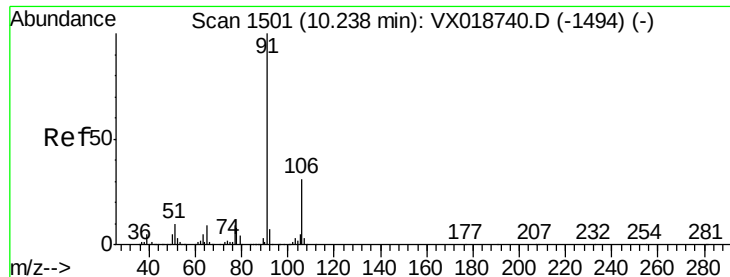
Ion Ratio Lower Upper

112 100

114 34.1 21.3 39.5

77 59.3 42.4 63.6





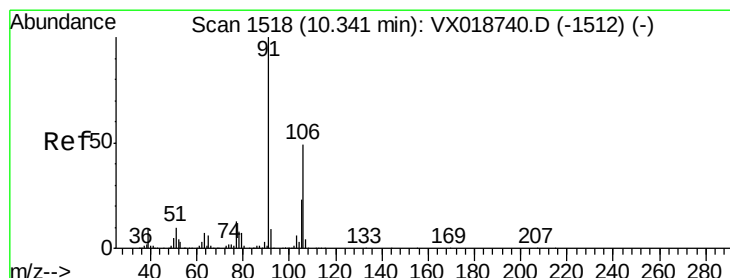
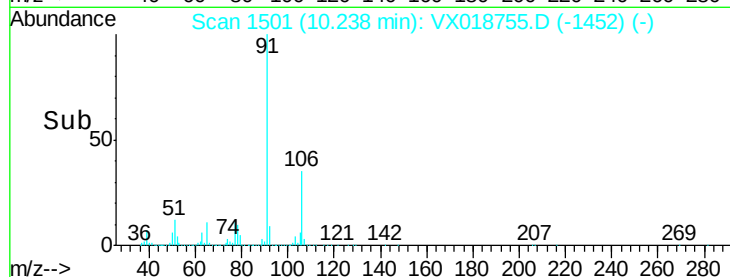
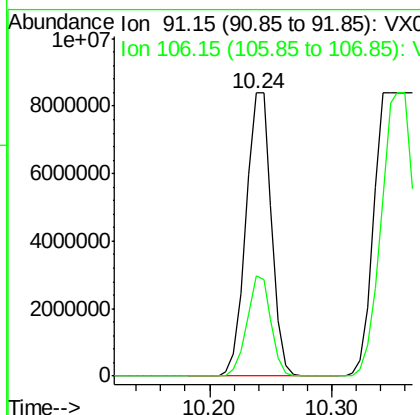
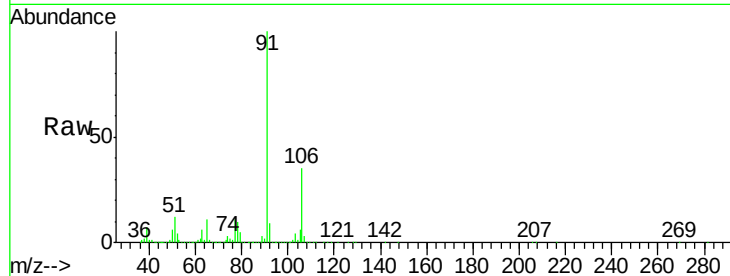
#54
Ethylbenzene
Concen: 225.868 ug/L
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX018755.D
Acq: 02 Oct 2020 18:17

Instrument :
MSVOA_X
ClientSampleId :
BG3N0

Tot Ion: 91 Resp:12103110
Ion Ratio Lower Upper
91 100
106 35.2 21.5 39.9

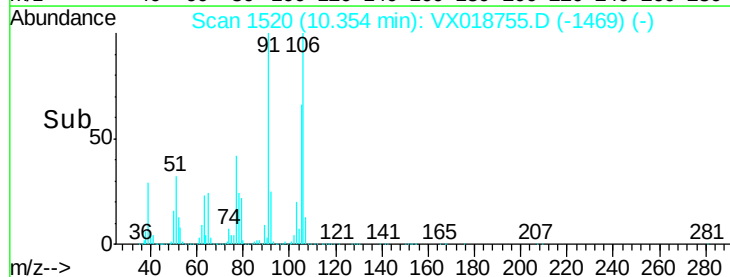
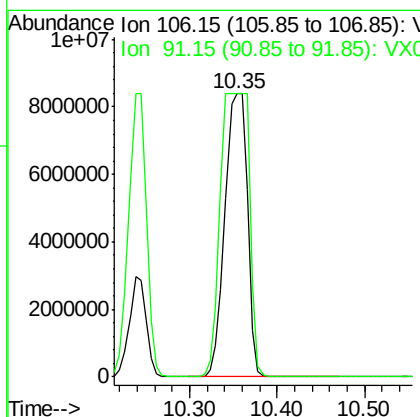
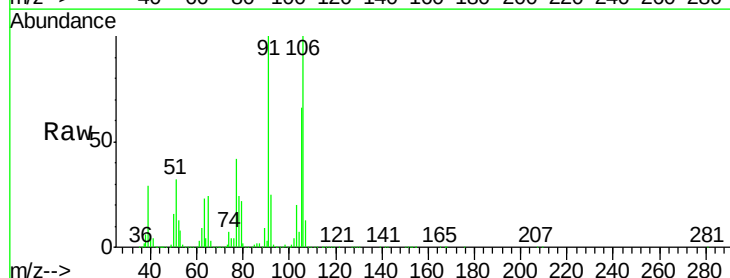
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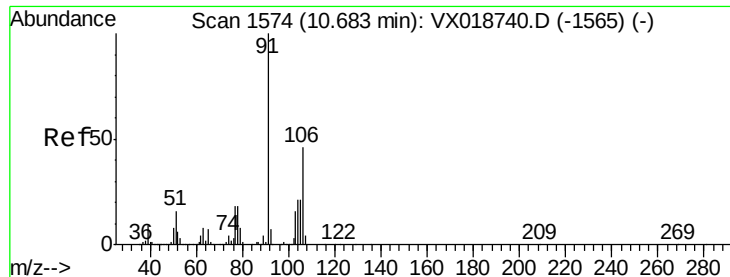
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#55
m,p-xylene
Concen: 719.110 ug/L
RT: 10.35 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VX018755.D
Acq: 02 Oct 2020 18:17

Tgt Ion:106 Resp:15030538
Ion Ratio Lower Upper
106 100
91 100.0 143.4 266.2#





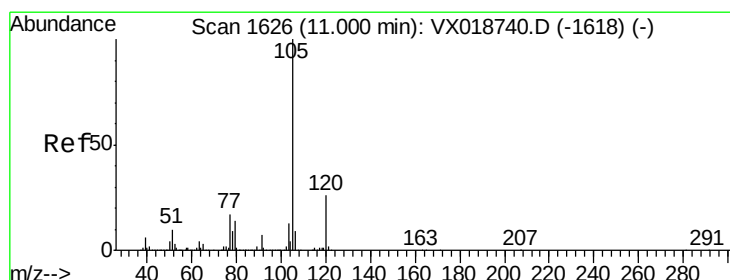
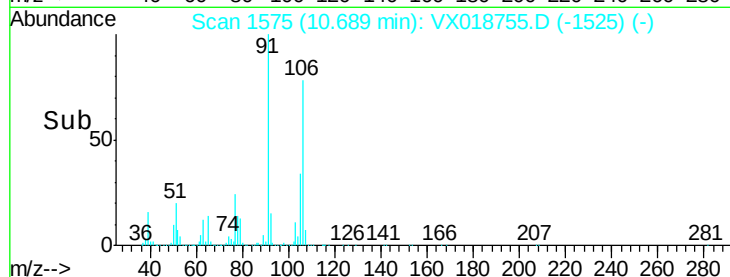
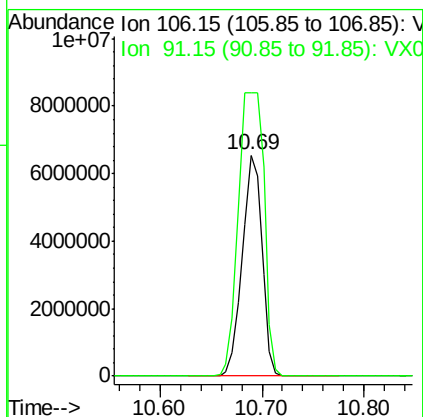
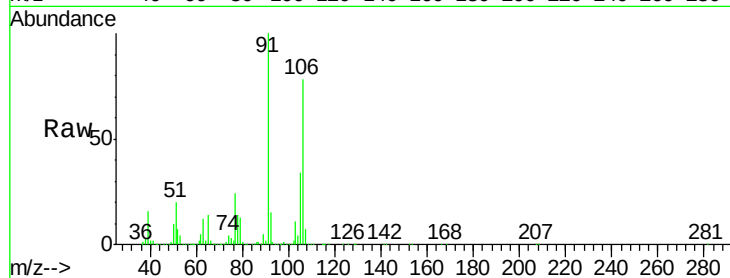
#56
o-xylene
Concen: 453.356 ug/L
RT: 10.69 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VX018755.D
Acq: 02 Oct 2020 18:17

Instrument :
MSVOA_X
ClientSampleId :
BG3N0

Tot Ion:106 Resp: 8756873
Ion Ratio Lower Upper
106 100
91 127.9 153.4 284.8#

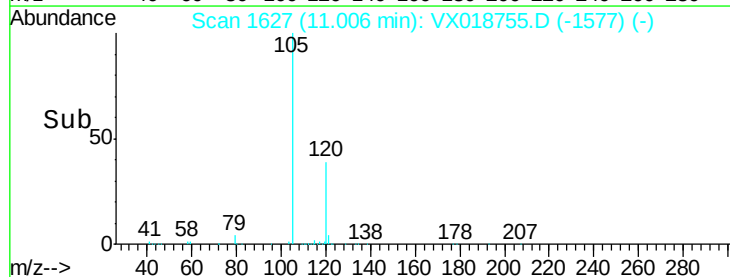
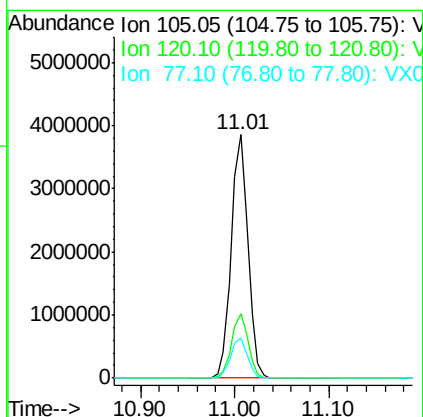
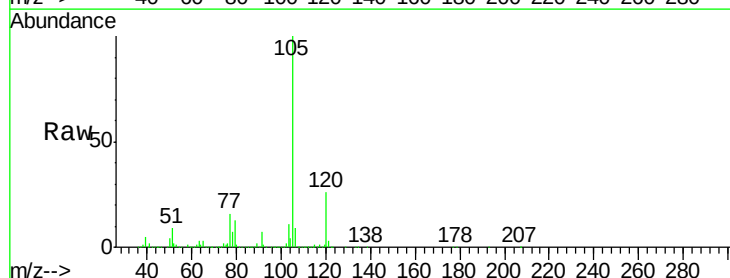
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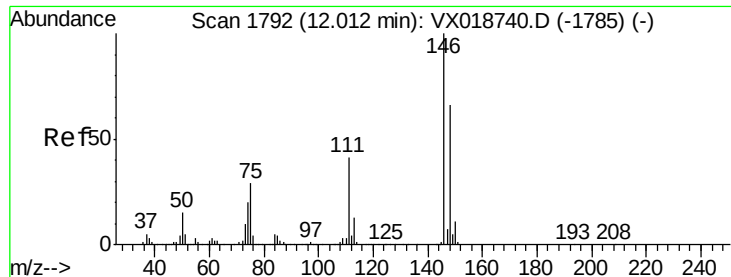
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#58
Isopropylbenzene
Concen: 87.951 ug/L
RT: 11.01 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VX018755.D
Acq: 02 Oct 2020 18:17

Tgt Ion:105 Resp: 4755998
Ion Ratio Lower Upper
105 100
120 26.1 20.2 30.2
77 16.5 13.3 19.9





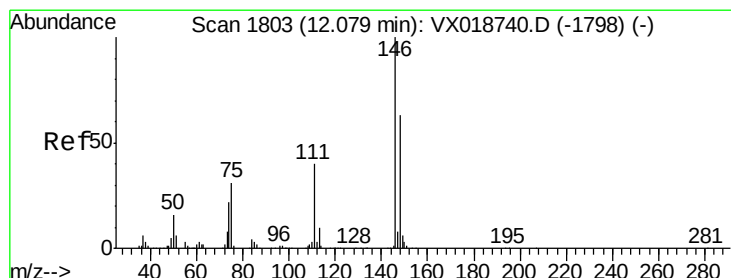
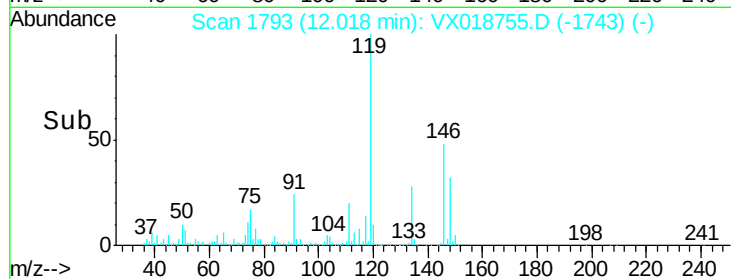
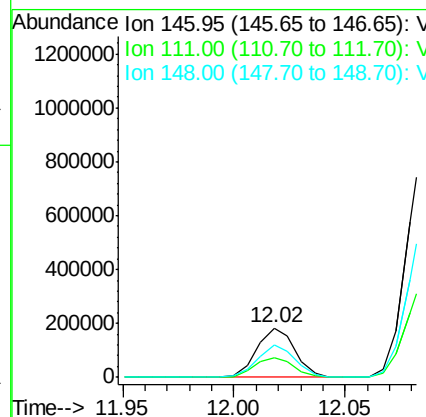
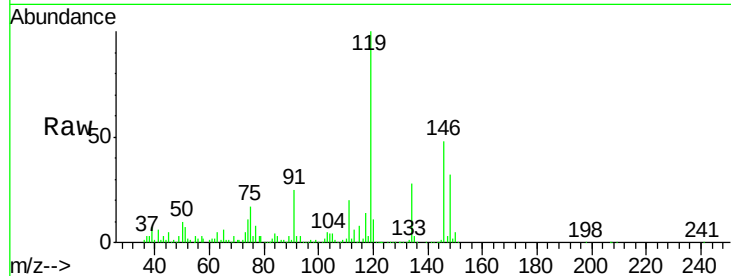
#63
 1,3-Dichlorobenzene
 Concen: 7.516 ug/L
 RT: 12.02 min Scan# 1793
 Delta R.T. 0.01 min
 Lab File: VX018755.D
 Acq: 02 Oct 2020 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N0

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	28.4	52.8
148	65.4	45.9	85.3

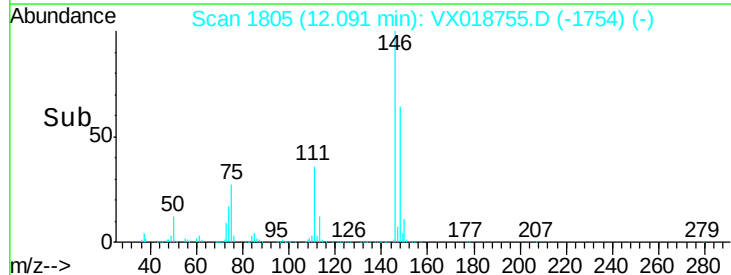
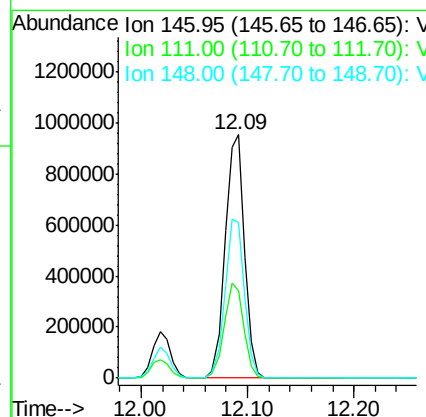
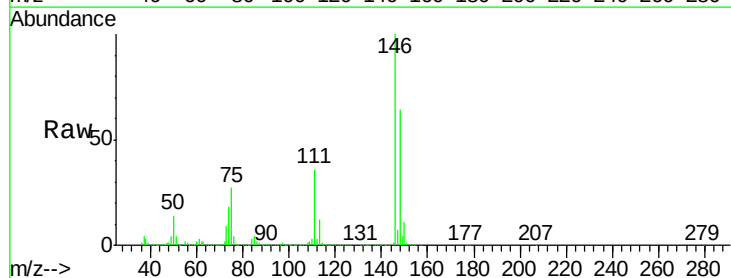
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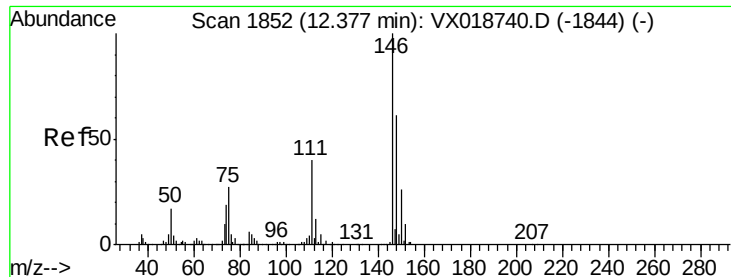
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#64
 1,4-Dichlorobenzene
 Concen: 41.576 ug/L
 RT: 12.09 min Scan# 1805
 Delta R.T. 0.01 min
 Lab File: VX018755.D
 Acq: 02 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	28.6	53.2
148	63.6	44.2	82.0





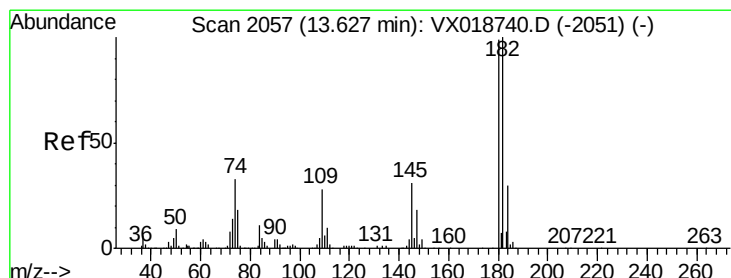
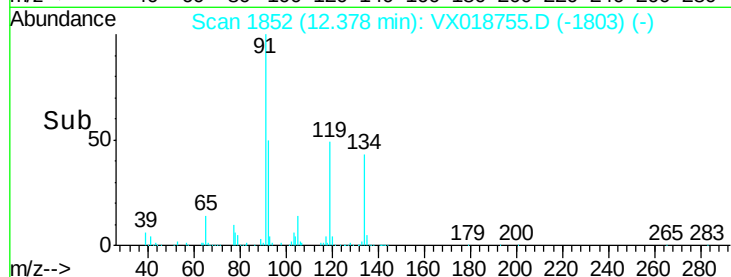
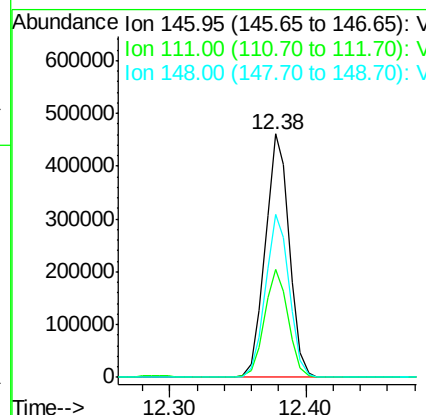
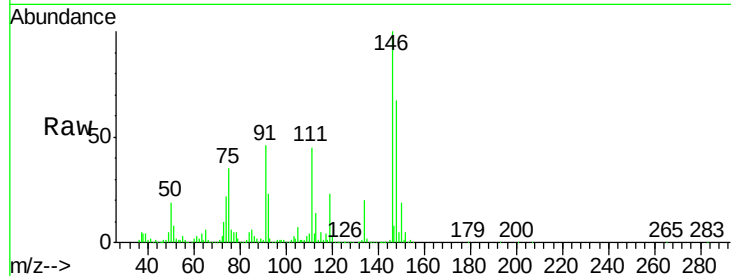
#66
 1,2-Dichlorobenzene
 Concen: 21.082 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018755.D
 Acq: 02 Oct 2020 18:17

Instrument :
 MSVOA_X
 ClientSampled :
 BG3N0

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	31.7	47.5
148	67.2	49.0	73.6

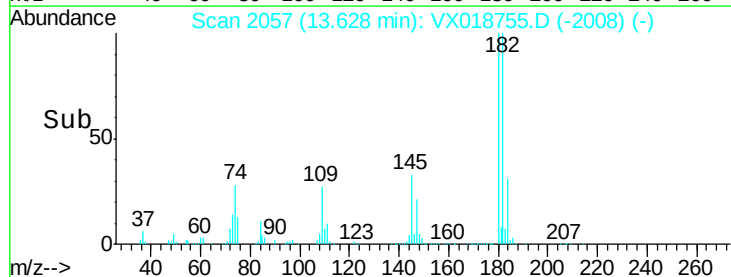
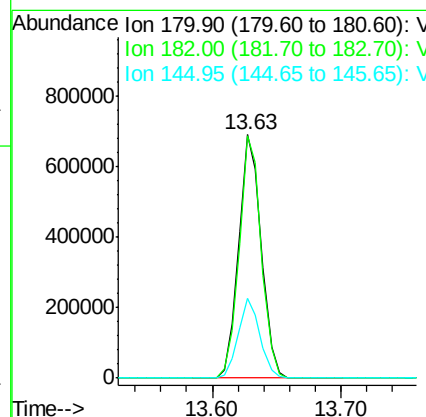
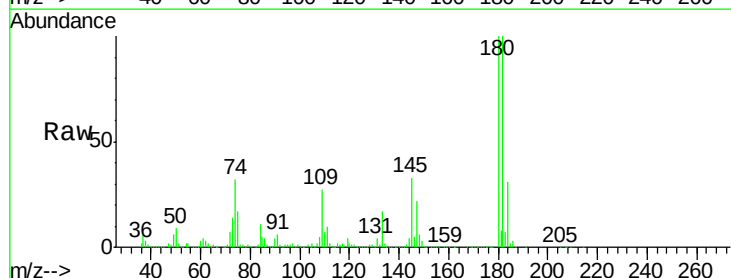
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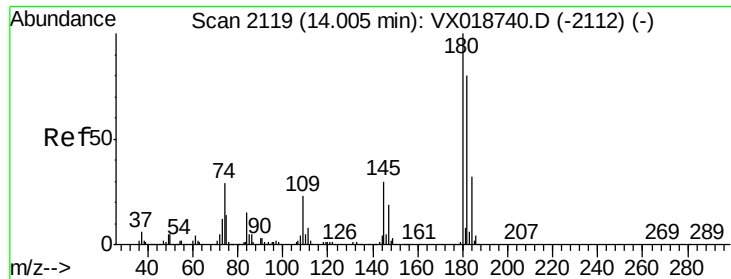
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#69
 1,2,4-trichlorobenzene
 Concen: 45.291 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018755.D
 Acq: 02 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	80.2	120.4
145	32.0	25.2	37.8





#71
 1,2,3-Trichlorobenzene
 Concen: 18.593 ug/L
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VX018755.D
 Acq: 02 Oct 2020 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N0

Tot Ion	Ratio	Resp	Lower	Upper
180	100	310621		
182	96.6	73.6	110.4	
145	32.4	26.6	40.0	

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