

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO081820\
 Data File : VX017955.D
 Acq On : 18 Aug 2020 11:31
 Operator : JC/SP
 Sample : L3697-05DL 20X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG0N2DL

Quant Time: Aug 19 01:30:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 19 01:29:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	323030	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	327473	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	154004	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	70091	3.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.80%
7) Chloroethane-d5	1.68	69	68555	3.87	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.40%
11) 1,1-Dichloroethene-d2	2.34	63	108788	2.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	47.40%#
20) 2-Butanone-d5	4.53	46	280297	47.28	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.56%
24) Chloroform-d	5.14	84	186047	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.20%
26) 1,2-Dichloroethane-d4	6.03	65	105232	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
32) Benzene-d6	6.04	84	322425	3.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.80%
36) 1,2-Dichloropropane-d6	7.37	67	113488	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.60%
41) Toluene-d8	8.70	98	261189	3.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.00%#
45) trans-1,3-Dichloropropene-	8.99	79	45205	3.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.20%
48) 2-Hexanone-d5	9.43	63	211841	42.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.70%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	92513	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
65) 1,2-Dichlorobenzene-d4	12.36	152	120498	4.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.70	64	8879	0.522	ug/L	85
13) Acetone	2.42	43	7647	1.766	ug/L	86
16) Methylene chloride	2.83	84	15426	0.451	ug/L	80
22) cis-1,2-Dichloroethene	4.55	96	15419	0.523	ug/L #	79
25) Chloroform	5.17	83	8631	0.160	ug/L	88
33) Benzene	6.11	78	980865	8.461	ug/L	100
35) Methylcyclohexane	7.37	83	28305	0.595	ug/L #	20
37) 1,2-Dichloropropane	7.37	63	14011	0.481	ug/L #	88
39) cis-1,3-Dichloropropene	8.37	75	3740	0.083	ug/L #	42
42) Toluene	8.76	91	1209598	9.611	ug/L	97
44) 1,2,4-Trimethylbenzene	11.79	105	11879	0.102	ug/L	95
53) Chlorobenzene	10.12	112	153522	1.874	ug/L	99
54) Ethylbenzene	10.23	91	173464	1.263	ug/L	97
55) m,p-xylene	10.34	106	136047	2.594	ug/L	97
56) o-xylene	10.68	106	46442	0.913	ug/L	77
58) Isopropylbenzene	11.00	105	28389	0.209	ug/L #	94
64) 1,4-Dichlorobenzene	12.08	146	8566	0.144	ug/L	87

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 19 01:29:32 2020
Response via : Initial Calibration

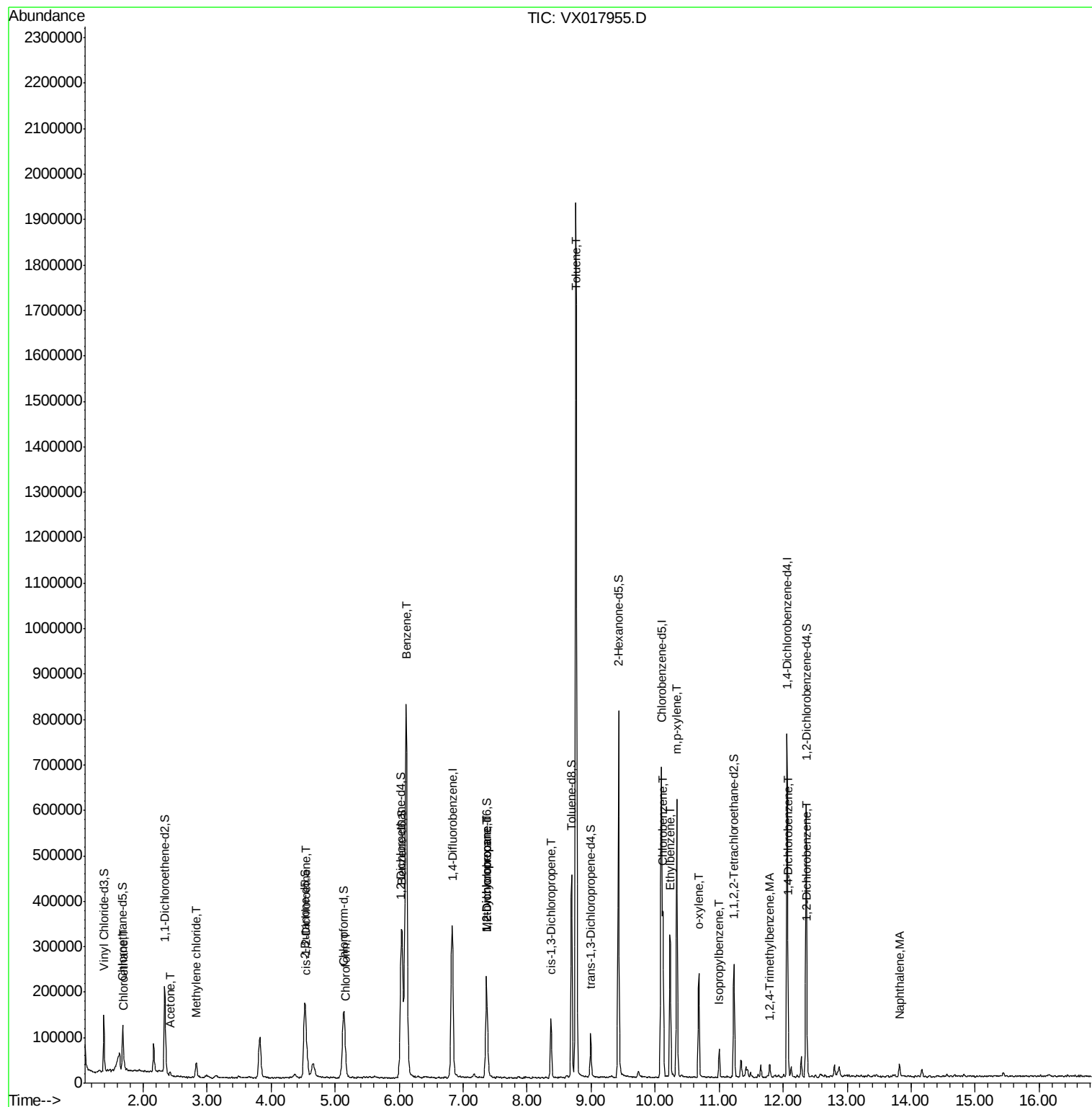
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dichlorobenzene	12.38	146	9753	0.175	ug/L	94
70) Naphthalene	13.82	128	15479	0.215	ug/L	97

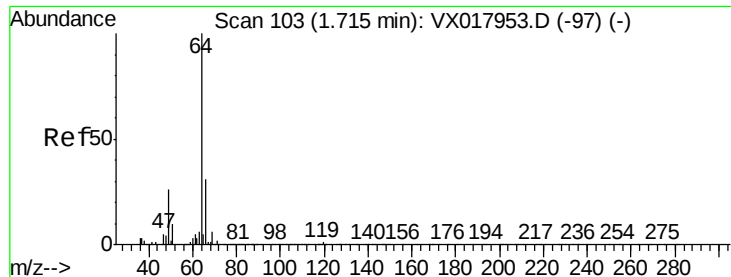
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.522 ug/L

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017955.D

Acq: 18 Aug 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

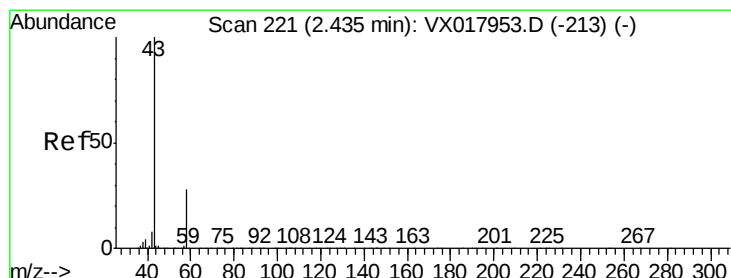
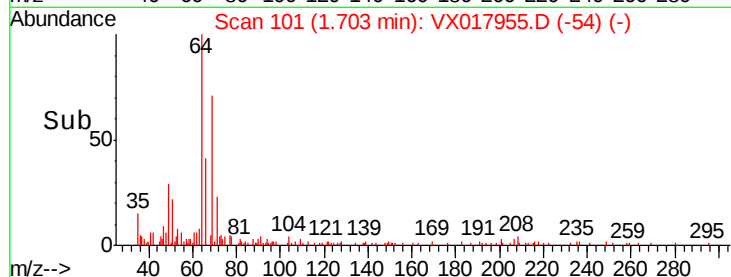
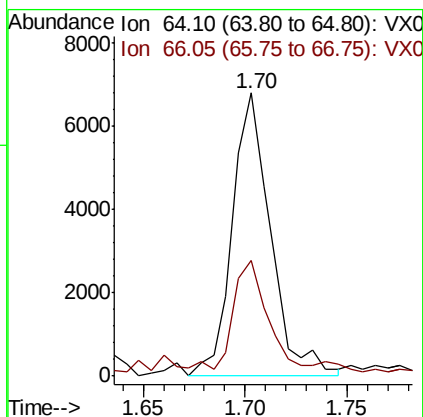
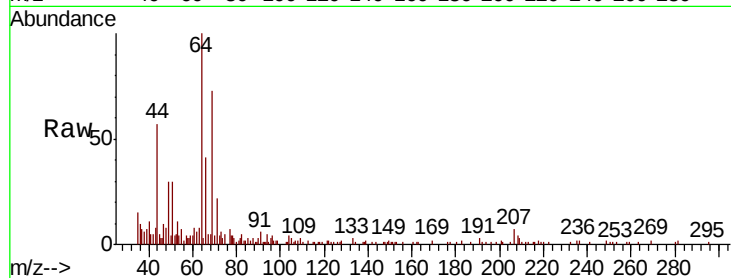
BG0N2DL

Tot Ion: 64 Resp: 8879

Ion Ratio Lower Upper

64 100

66 40.8 22.6 42.0



#13

Acetone

Concen: 1.766 ug/L

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX017955.D

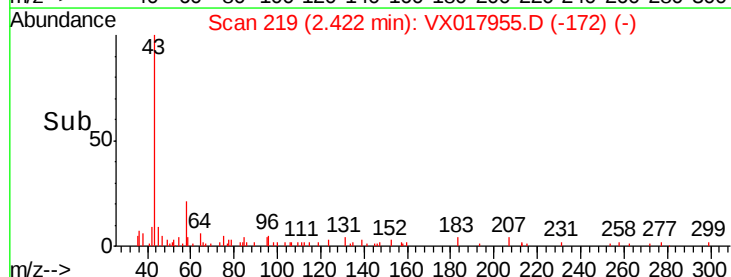
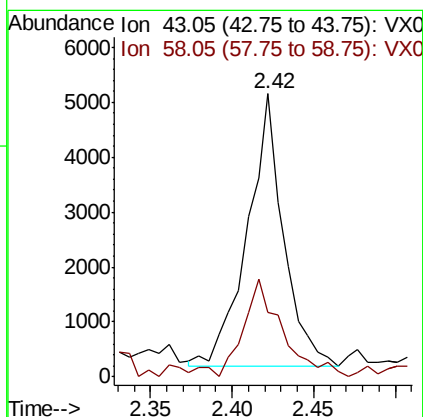
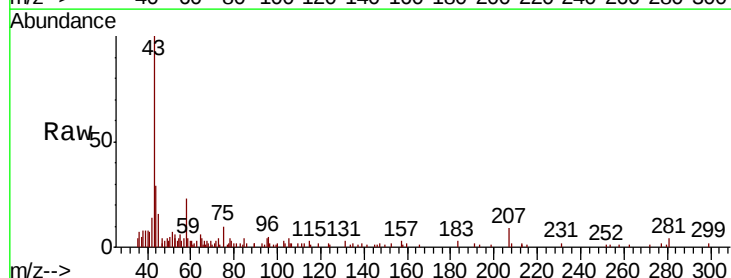
Acq: 18 Aug 2020 11:31

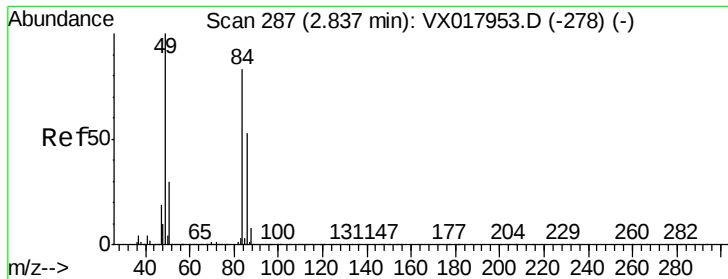
Tgt Ion: 43 Resp: 7647

Ion Ratio Lower Upper

43 100

58 38.3 0.0 60.8

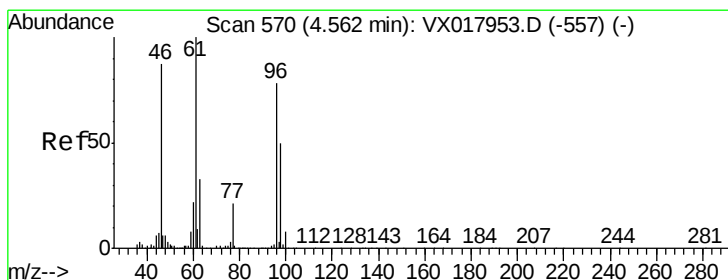
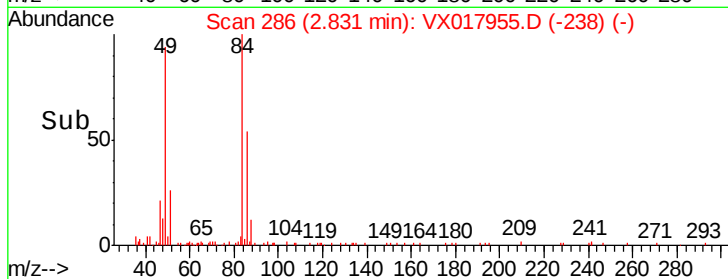
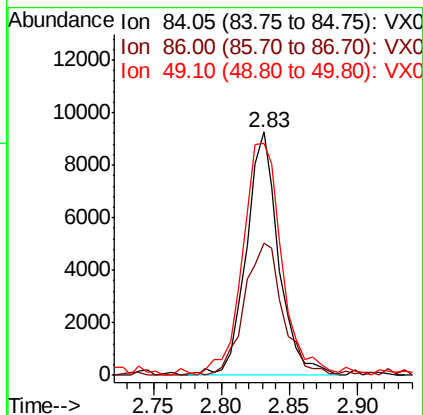
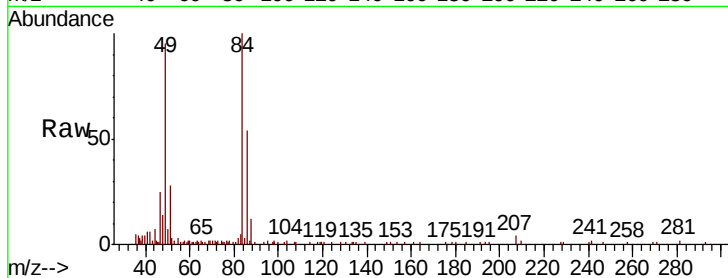




#16
Methylene chloride
Concen: 0.451 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017955.D
Acq: 18 Aug 2020 11:31

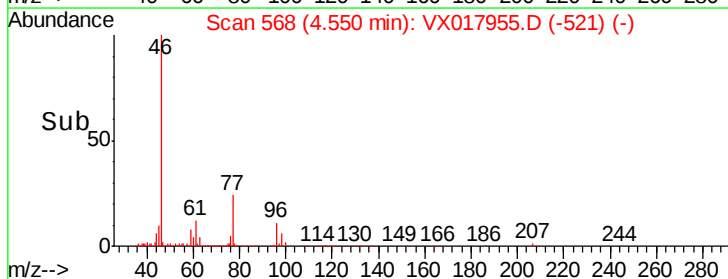
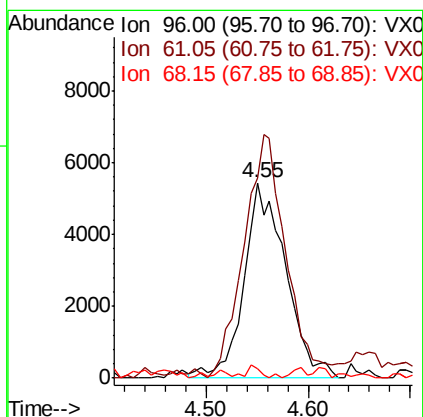
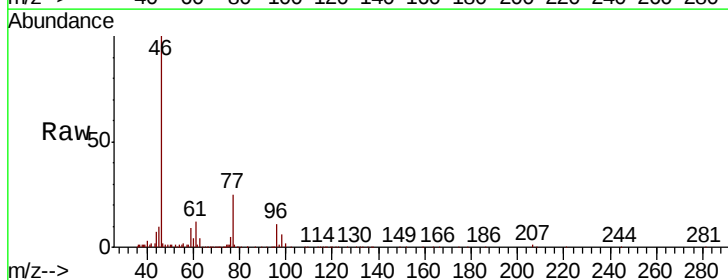
Instrument :
MSVOA_X
ClientSampleID :
BG0N2DL

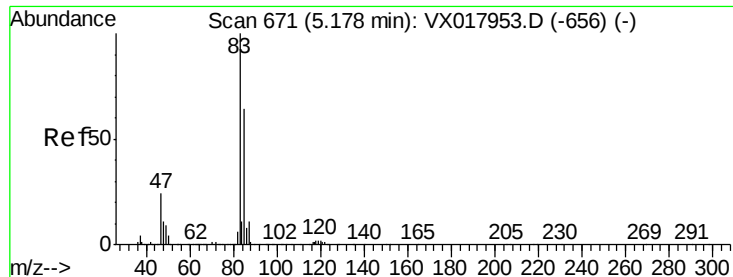
Tot Ion: 84 Resp: 15426
Ion Ratio Lower Upper
84 100
86 54.4 43.0 80.0
49 95.4 86.9 161.3



#22
cis-1,2-Dichloroethene
Concen: 0.523 ug/L
RT: 4.55 min Scan# 568
Delta R.T. -0.01 min
Lab File: VX017955.D
Acq: 18 Aug 2020 11:31

Tgt Ion: 96 Resp: 15419
Ion Ratio Lower Upper
96 100
61 102.2 88.8 165.0
68 4.6 0.2 0.4#





#25

Chloroform

Concen: 0.160 ug/L

RT: 5.17 min Scan# 669

Delta R.T. -0.01 min

Lab File: VX017955.D

Acq: 18 Aug 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

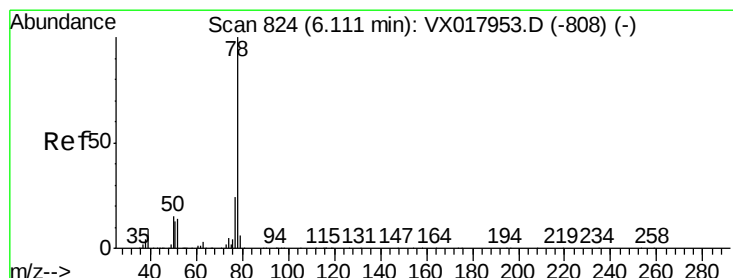
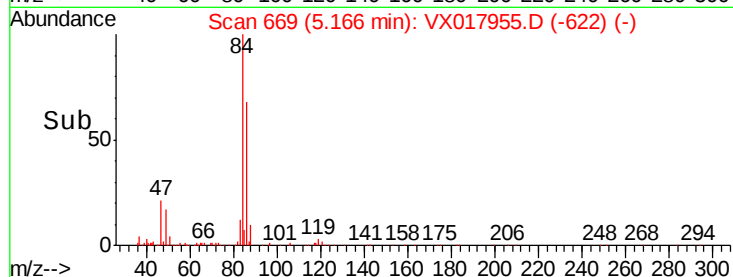
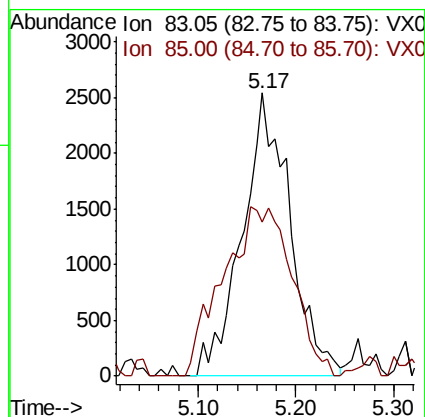
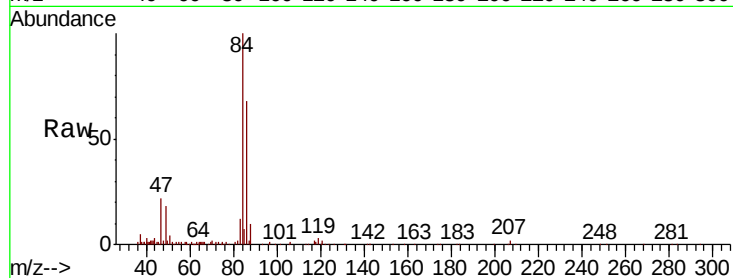
BG0N2DL

Tot Ion: 83 Resp: 8631

Ion Ratio Lower Upper

83 100

85 54.4 44.7 83.1



#33

Benzene

Concen: 8.461 ug/L

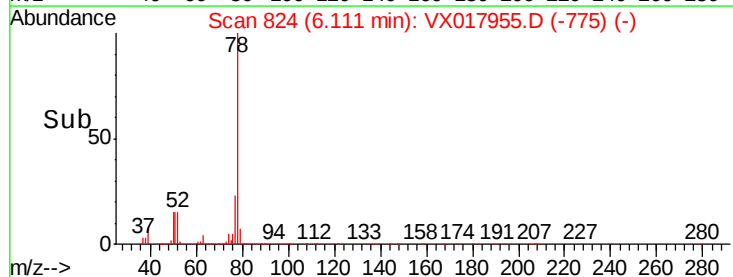
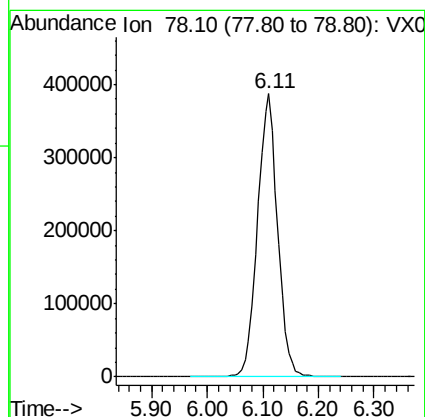
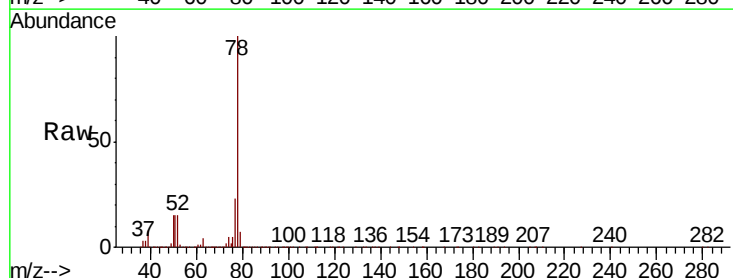
RT: 6.11 min Scan# 824

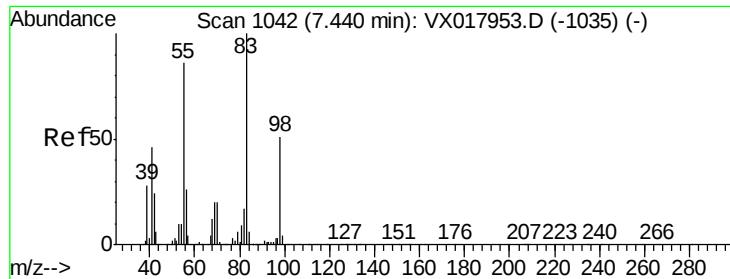
Delta R.T. -0.00 min

Lab File: VX017955.D

Acq: 18 Aug 2020 11:31

Tgt Ion: 78 Resp: 980865

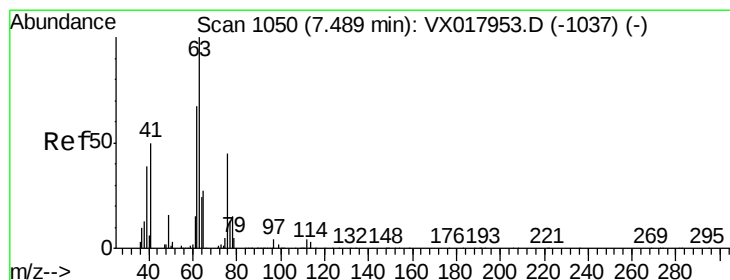
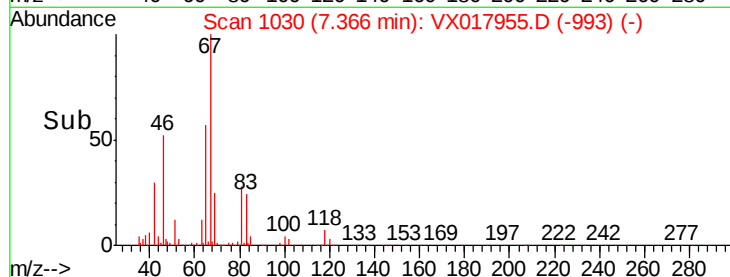
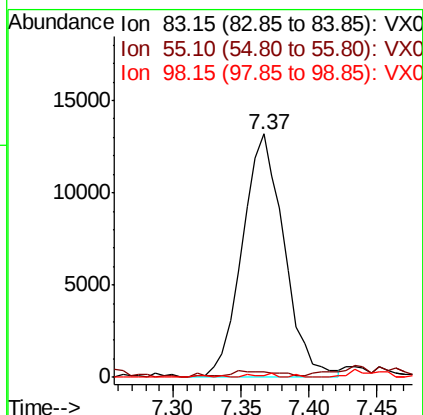
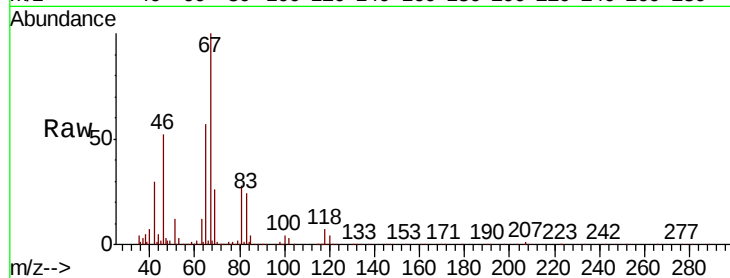




#35
Methvlcvclohexane
Concen: 0.595 ug/L
RT: 7.37 min Scan# 1030
Delta R.T. -0.07 min
Lab File: VX017955.D
Acq: 18 Aug 2020 11:31

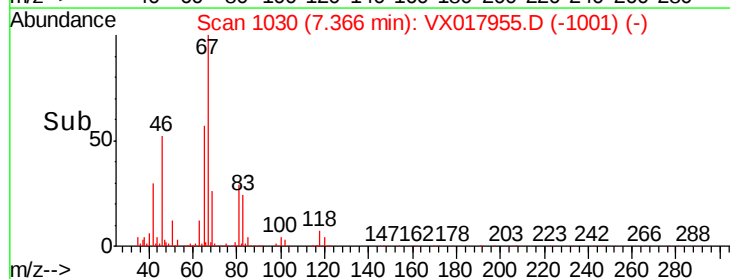
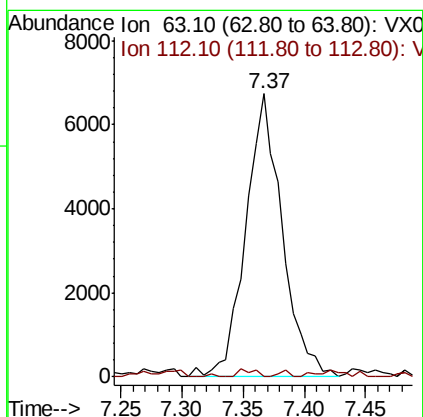
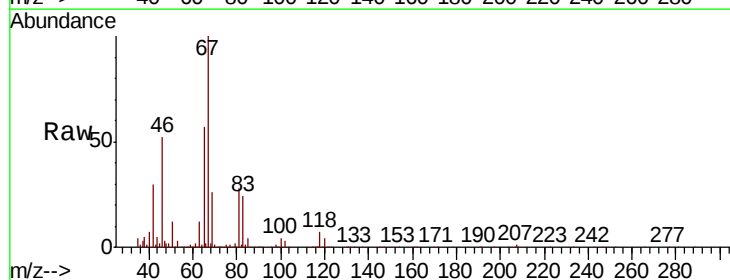
Instrument :
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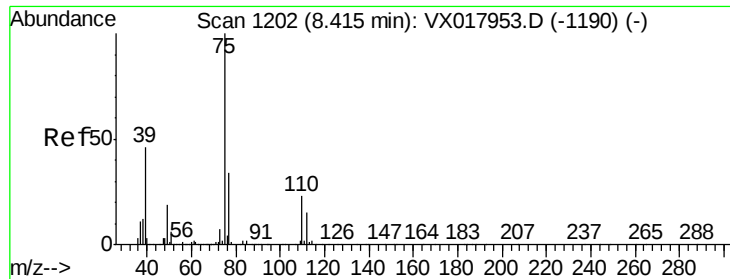
Tot Ion	Ratio	Lower	Upper
83	100		
55	2.4	62.4	93.6#
98	0.7	38.0	57.0#



#37
1,2-Dichloropropane
Concen: 0.481 ug/L
RT: 7.37 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VX017955.D
Acq: 18 Aug 2020 11:31

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.7	3.6	5.4#

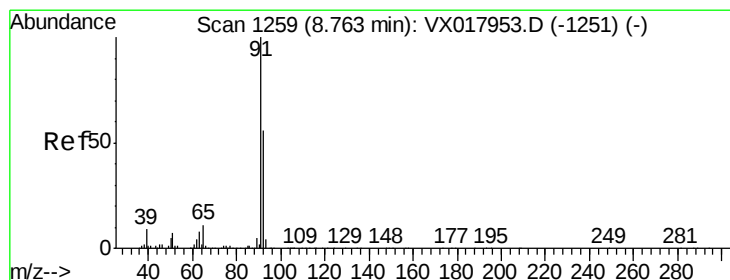
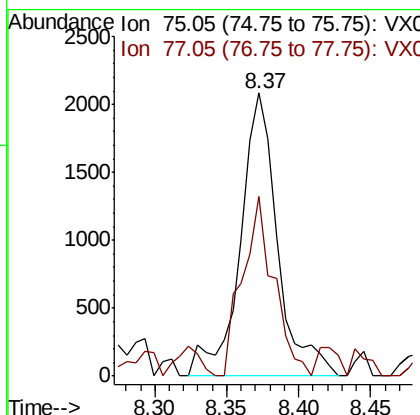
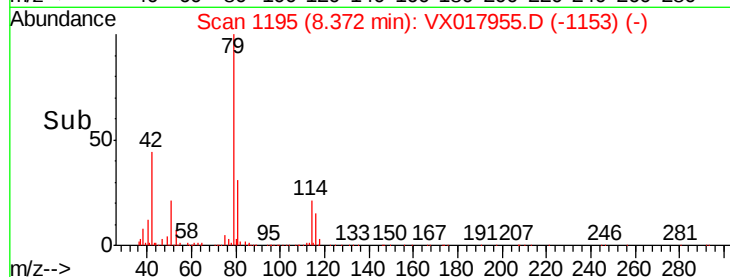
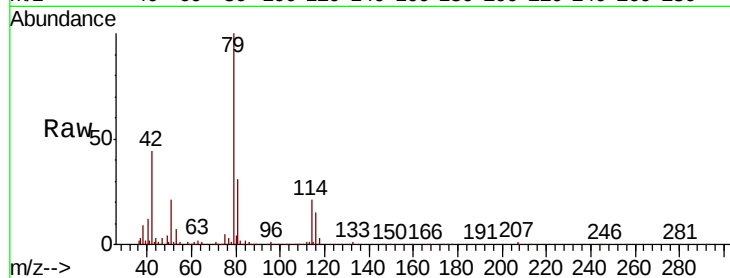




#39
 cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 8.37 min Scan# 1195
 Delta R.T. -0.04 min
 Lab File: VX017955.D
 Acq: 18 Aug 2020 11:31

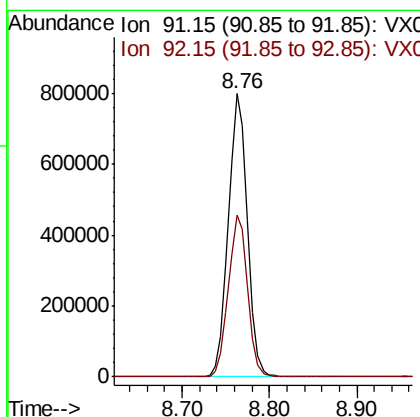
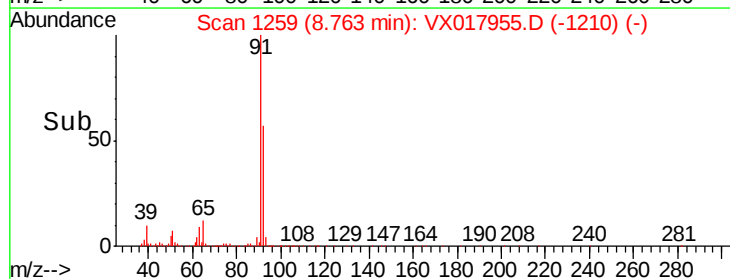
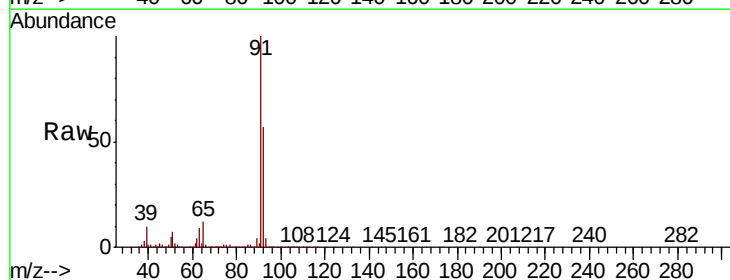
Instrument :
 MSVOA_X
 ClientSampleID :
 BG0N2DL

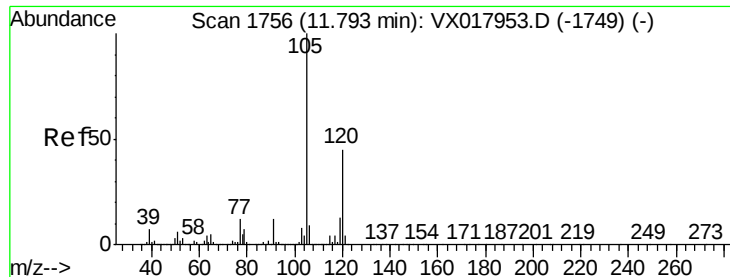
Tot Ion: 75 Resp: 3740
 Ion Ratio Lower Upper
 75 100
 77 63.6 22.2 41.2#



#42
 Toluene
 Concen: 9.611 ug/L
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VX017955.D
 Acq: 18 Aug 2020 11:31

Tgt Ion: 91 Resp: 1209598
 Ion Ratio Lower Upper
 91 100
 92 57.2 38.8 72.0





#44

1,2,4-Trimethylbenzene

Concen: 0.102 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017955.D

Acq: 18 Aug 2020 11:31

Instrument :

MSVOA_X

ClientSampled :

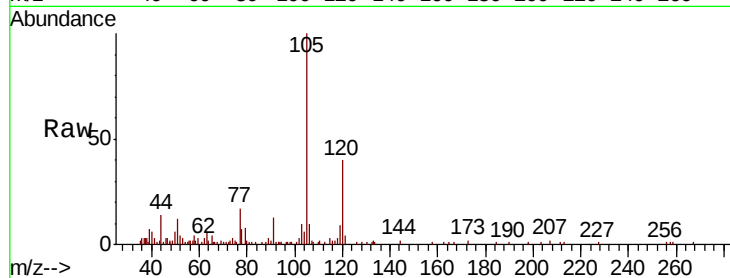
BG0N2DL

Tot Ion:105 Resp: 11879

Ion Ratio Lower Upper

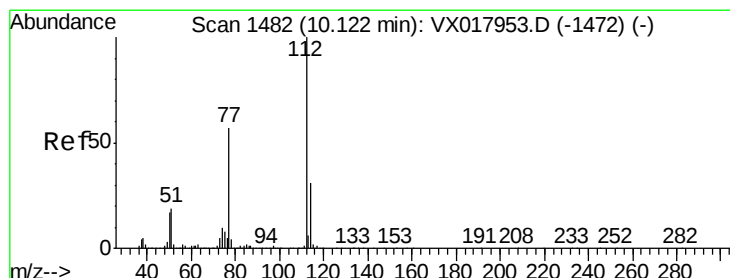
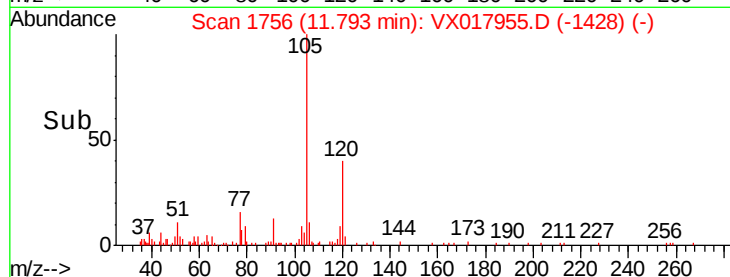
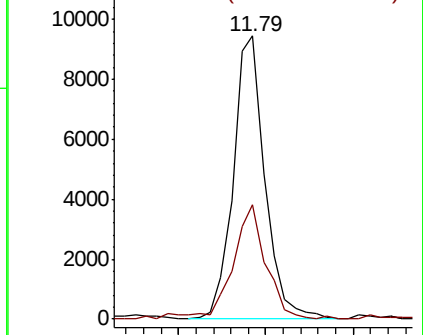
105 100

120 41.3 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#53

Chlorobenzene

Concen: 1.874 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017955.D

Acq: 18 Aug 2020 11:31

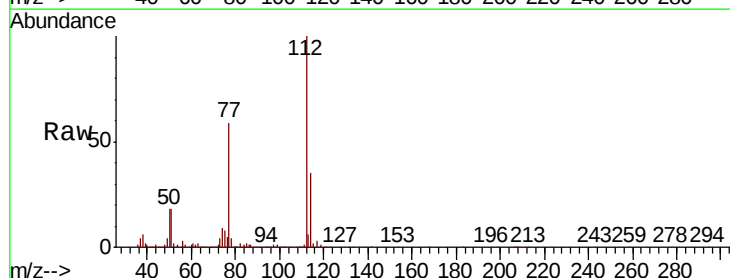
Tgt Ion:112 Resp: 153522

Ion Ratio Lower Upper

112 100

114 34.7 23.5 43.7

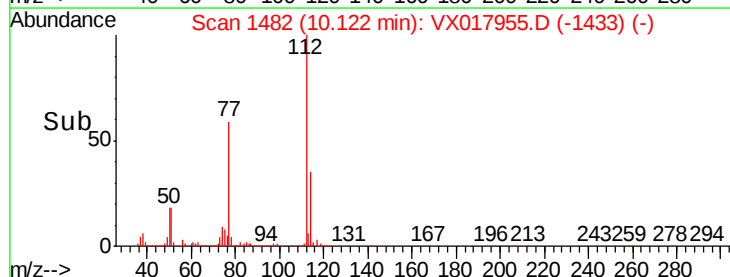
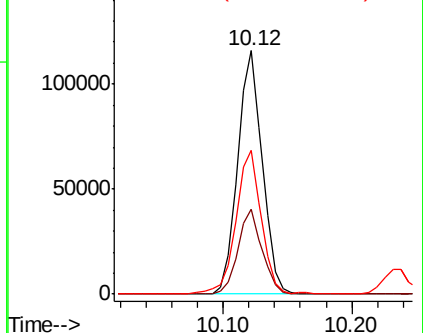
77 59.2 46.7 70.1

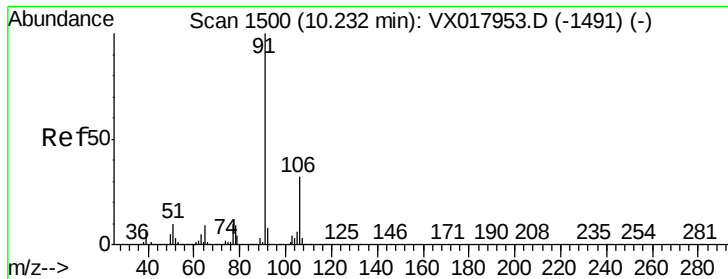


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 1.263 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX017955.D

Acq: 18 Aug 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

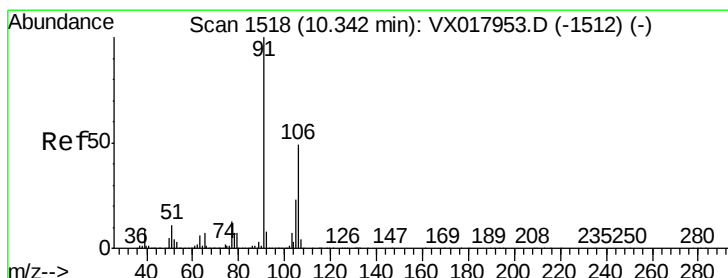
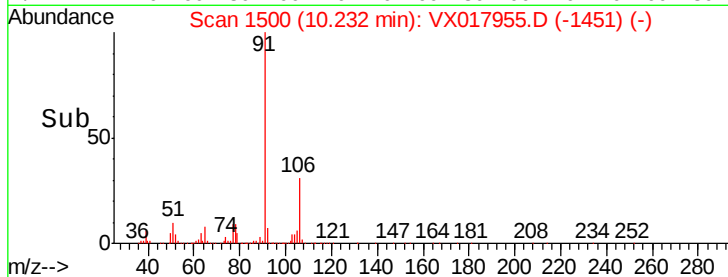
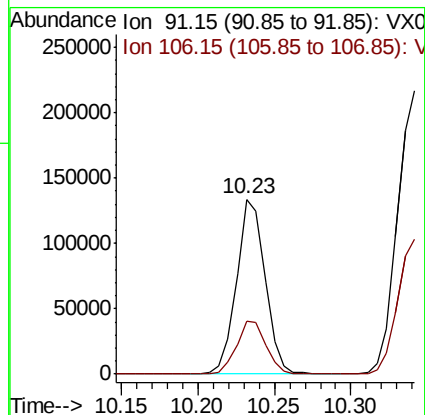
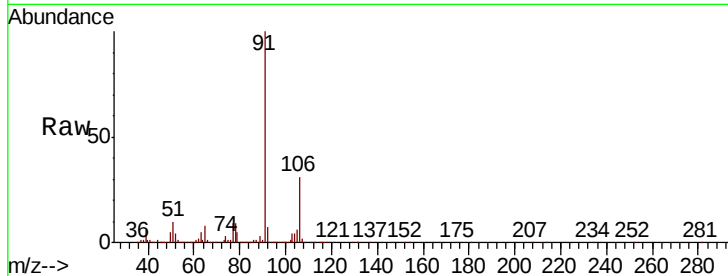
BG0N2DL

Tot Ion: 91 Resp: 173464

Ion Ratio Lower Upper

91 100

106 30.6 22.5 41.9



#55

m,p-xylene

Concen: 2.594 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017955.D

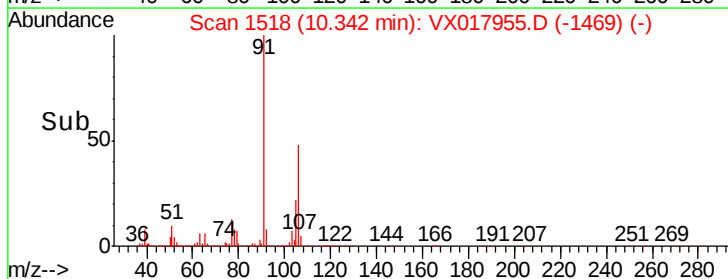
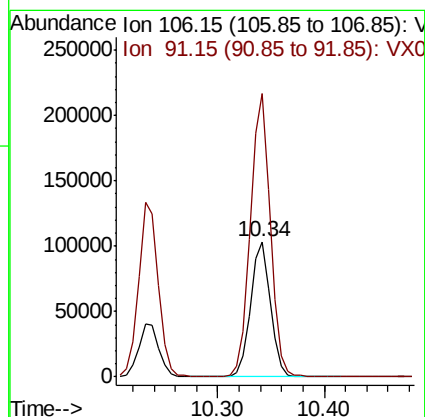
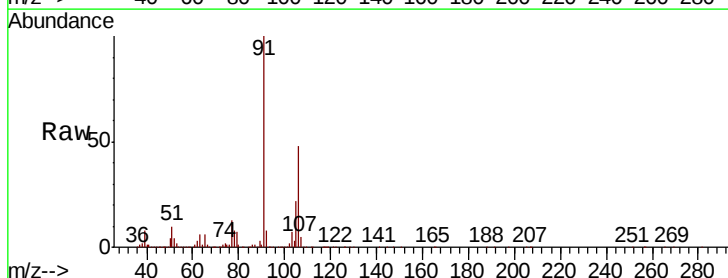
Acq: 18 Aug 2020 11:31

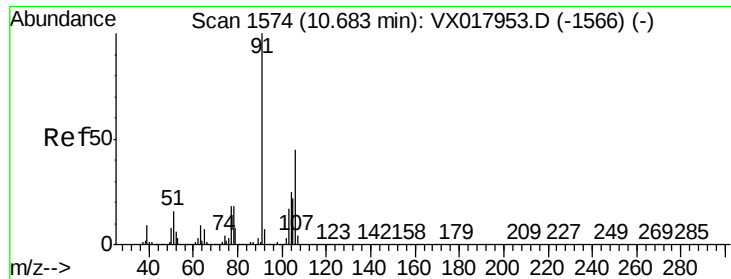
Tgt Ion: 106 Resp: 136047

Ion Ratio Lower Upper

106 100

91 209.4 143.3 266.1

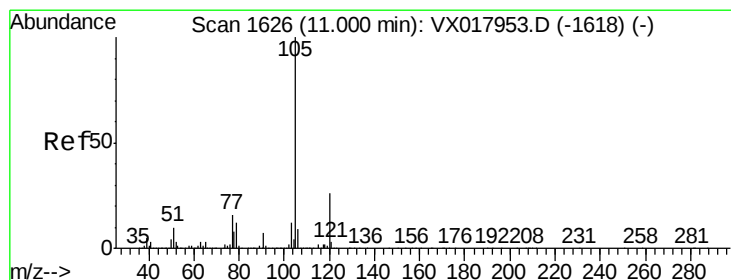
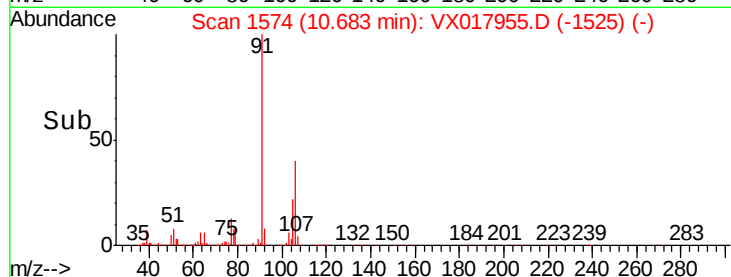
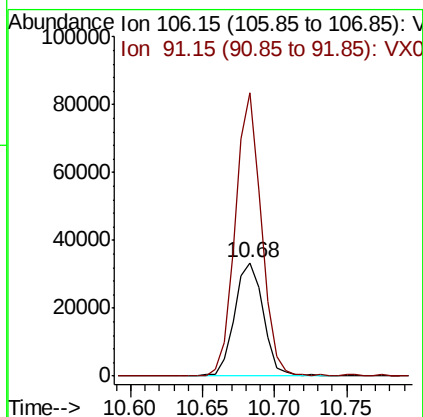
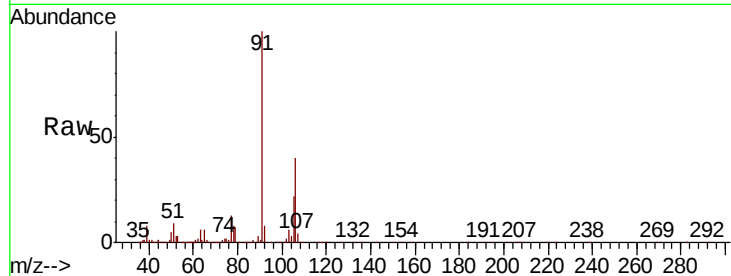




#56
o-xylene
Concen: 0.913 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017955.D
Acq: 18 Aug 2020 11:31

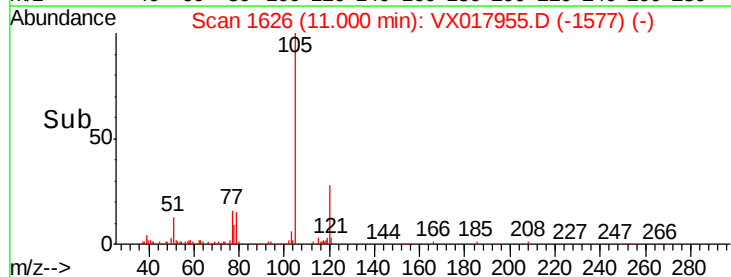
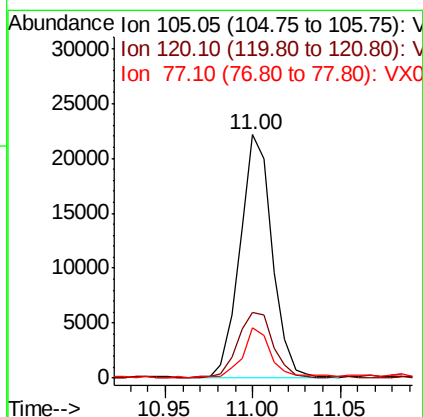
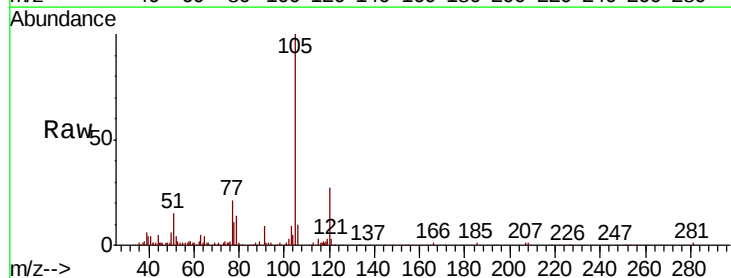
Instrument :
MSVOA_X
ClientSampleId :
BG0N2DL

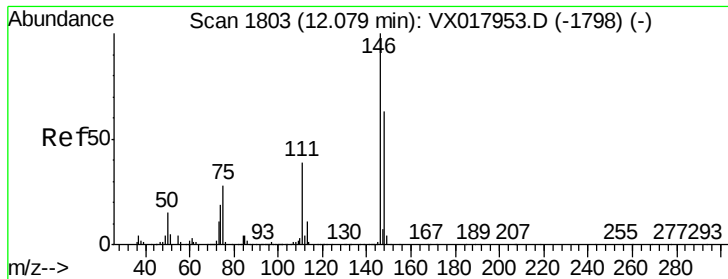
Tot Ion:106 Resp: 46442
Ion Ratio Lower Upper
106 100
91 249.6 149.8 278.2



#58
Isopropylbenzene
Concen: 0.209 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX017955.D
Acq: 18 Aug 2020 11:31

Tgt Ion:105 Resp: 28389
Ion Ratio Lower Upper
105 100
120 29.7 21.8 32.6
77 19.4 12.8 19.2#





#64

1,4-Dichlorobenzene

Concen: 0.144 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX017955.D

Acq: 18 Aug 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

BG0N2DL

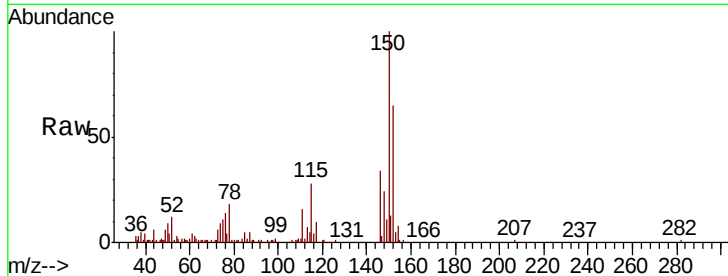
Tot Ion:146 Resp: 8566

Ion Ratio Lower Upper

146 100

111 46.8 26.0 48.2

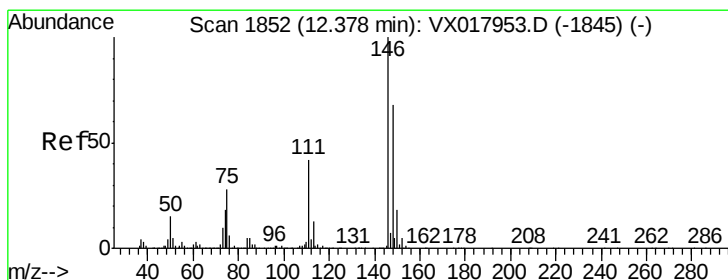
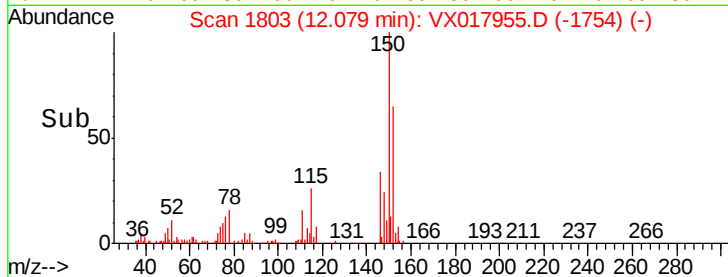
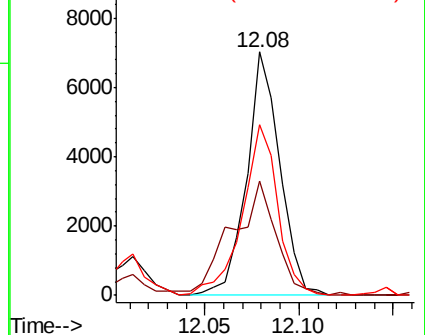
148 70.1 43.2 80.2



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



#66

1,2-Dichlorobenzene

Concen: 0.175 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX017955.D

Acq: 18 Aug 2020 11:31

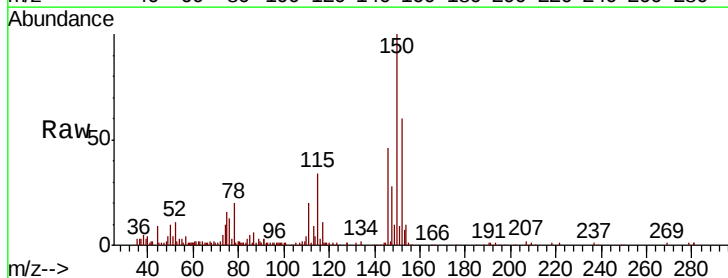
Tgt Ion:146 Resp: 9753

Ion Ratio Lower Upper

146 100

111 44.4 32.2 48.4

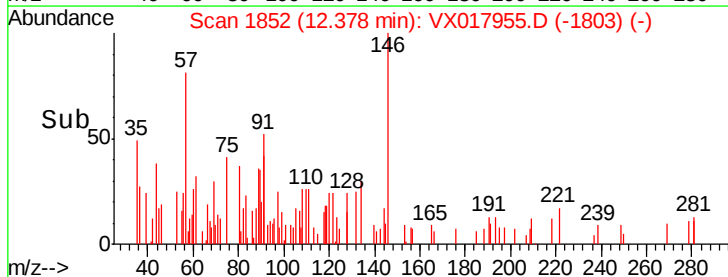
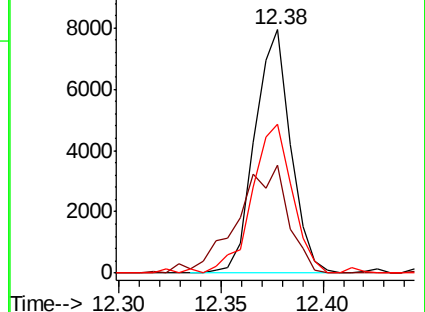
148 60.9 52.3 78.5

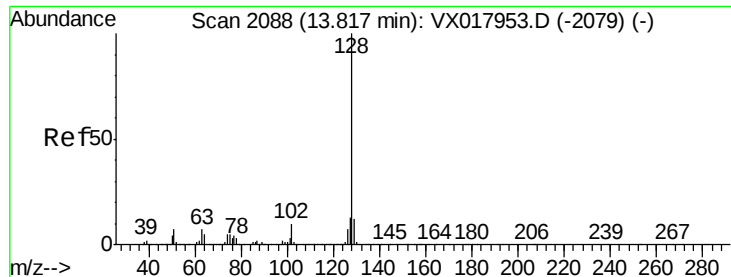


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#70

Naphthalene

Concen: 0.215 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017955.D

Acq: 18 Aug 2020 11:31

Instrument :

MSVOA_X

ClientSampleId :

BG0N2DL

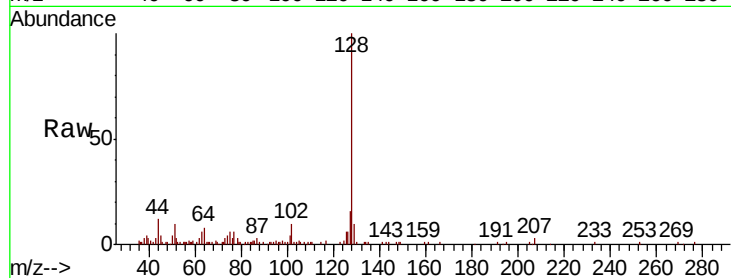
Tot Ion:128 Resp: 15479

Ion Ratio Lower Upper

128 100

129 11.4 8.4 12.6

127 15.1 11.0 16.4



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

