

Data File : VX018701.D
Acq On : 30 Sep 2020 16:47
Operator : JC/SP
Sample : L4135-01DL2 100X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BG0Q5DL2

Quant Time: Oct 01 02:39:28 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	6.82	114	231146	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	221002	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	103666	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	46955	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.70	69	45022	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.34	63	89354	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	4.55	46	178545	57.89	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.78%
24) Chloroform-d	5.14	84	139694	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	6.03	65	80743	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	6.04	84	237346	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	7.37	67	76112	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	8.70	98	207610	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
45) trans-1,3-Dichloropropene-	8.99	79	31516	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
48) 2-Hexanone-d5	9.43	63	137114	55.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.76%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	59534	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	88624	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Qvalue
8) Chloroethane	1.72	64	1795	0.261 ug/L	89
12) 1,1-Dichloroethene	2.34	96	1437	0.127 ug/L #	1
13) Acetone	2.46	43	2930	1.716 ug/L	89
14) Carbon disulfide	2.56	76	2306	0.067 ug/L #	73
16) Methylene chloride	2.83	84	7775	0.504 ug/L	97
18) trans-1,2-Dichloroethene	3.15	96	978	0.087 ug/L	73
22) cis-1,2-Dichloroethene	4.56	96	1400	0.119 ug/L #	44
33) Benzene	6.11	78	416154	9.767 ug/L	100
35) Methylcyclohexane	7.45	83	2693	0.157 ug/L	90
42) Toluene	8.76	91	270206	5.871 ug/L	100
43) 1,3,5-Trimethylbenzene	11.49	105	2092	0.052 ug/L	95
44) 1,2,4-Trimethylbenzene	11.79	105	2966	0.074 ug/L	91
53) Chlorobenzene	10.12	112	345798	11.373 ug/L	96
54) Ethylbenzene	10.24	91	18629	0.372 ug/L	100
55) m,p-xylene	10.34	106	4214	0.220 ug/L	83
56) o-xylene	10.68	106	6166	0.340 ug/L	73
57) Styrene	10.70	104	1889	0.063 ug/L	88

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

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Quant Time: Oct 01 02:39:28 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

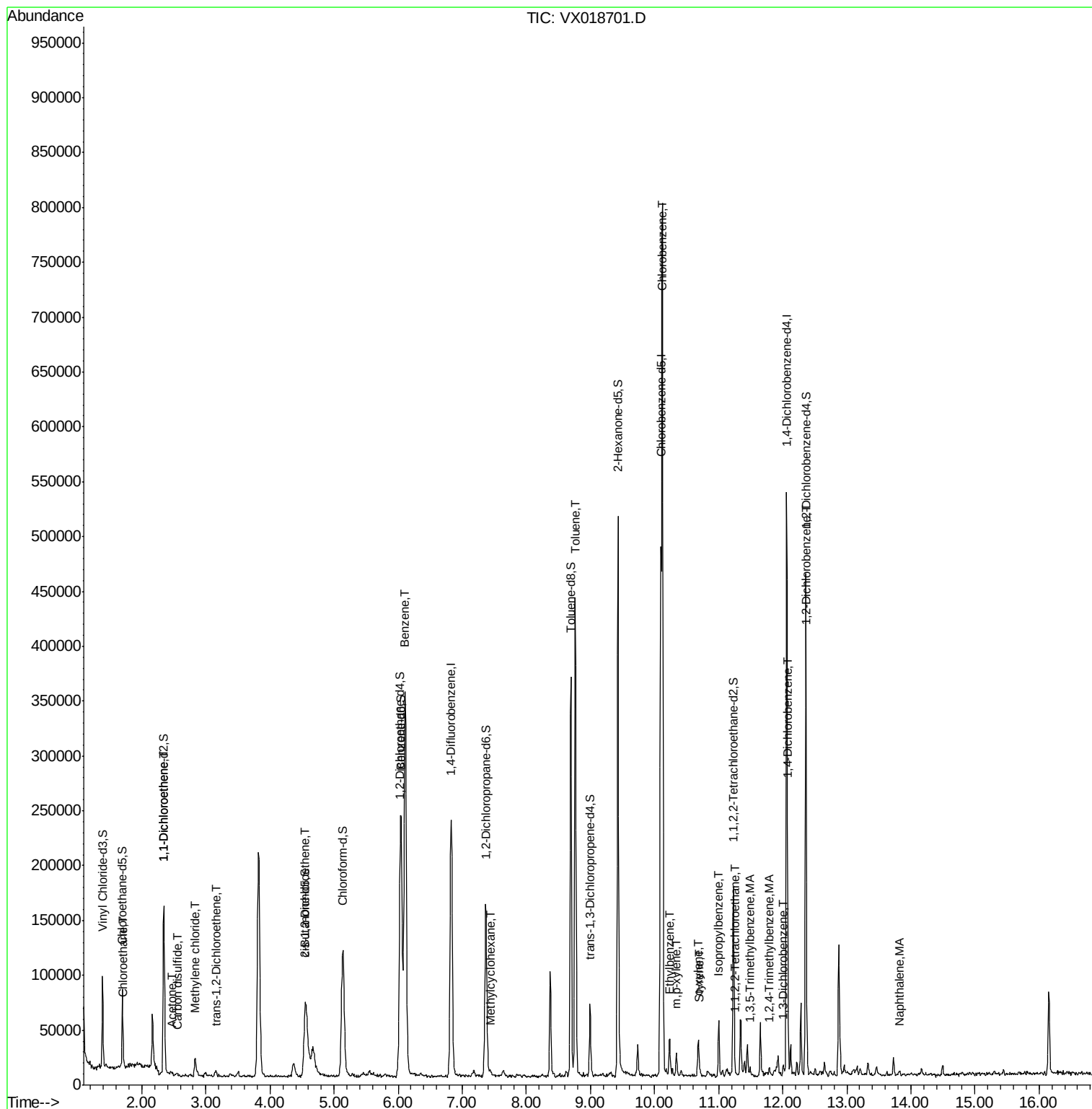
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) Isopropylbenzene	11.00	105	24333	0.501	ug/L	99
60) 1,1,2,2-Tetrachloroethane	11.26	83	828	0.090	ug/L #	90
63) 1,3-Dichlorobenzene	12.01	146	3435	0.152	ug/L #	83
64) 1,4-Dichlorobenzene	12.08	146	11484	0.504	ug/L	95
66) 1,2-Dichlorobenzene	12.37	146	5444	0.259	ug/L #	92
70) Naphthalene	13.82	128	1642	0.070	ug/L #	81

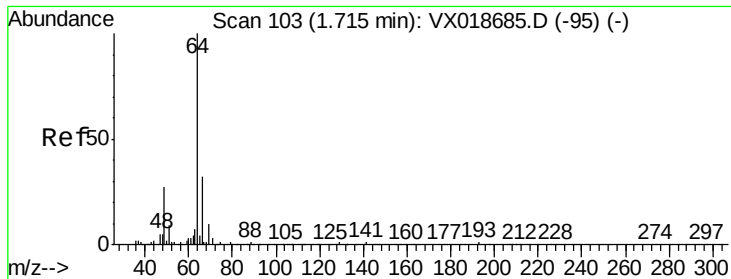
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.261 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX018701.D

Acq: 30 Sep 2020 16:47

Instrument :

MSVOA_X

ClientSampled :

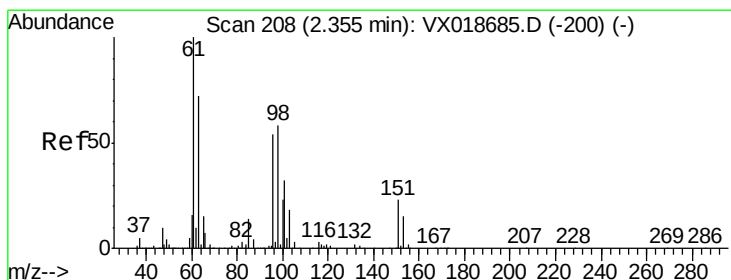
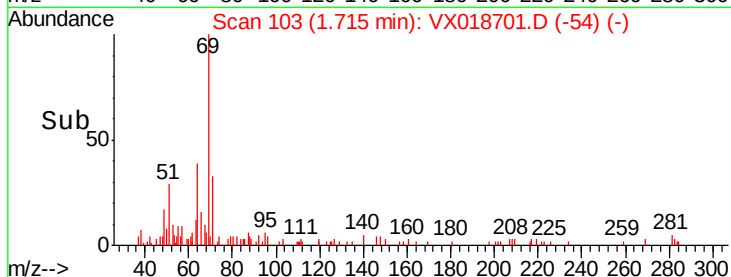
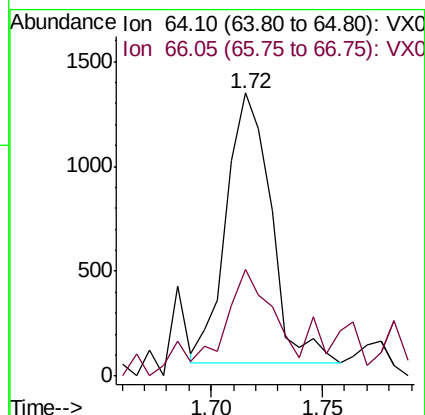
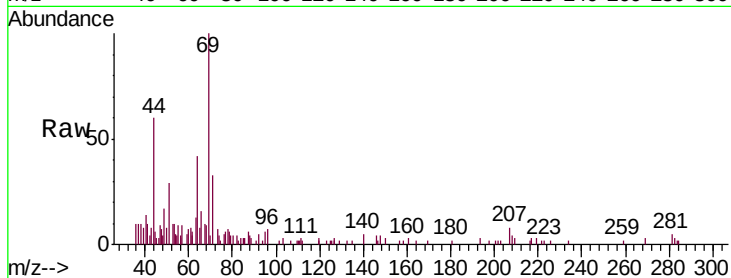
BG0Q5DL2

Tgt Ion: 64 Resp: 1795

Ion Ratio Lower Upper

64 100

66 37.9 22.3 41.3



#12

1,1-Dichloroethene

Concen: 0.127 ug/L

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX018701.D

Acq: 30 Sep 2020 16:47

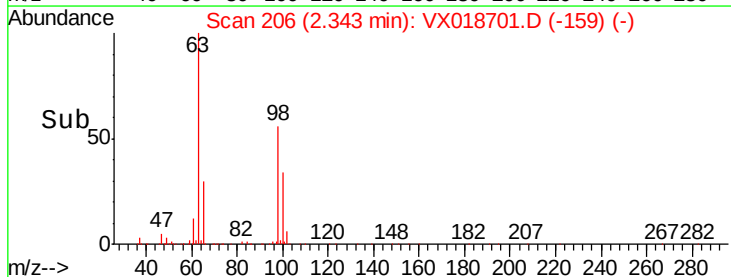
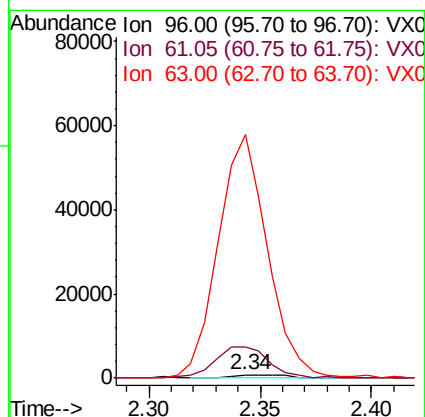
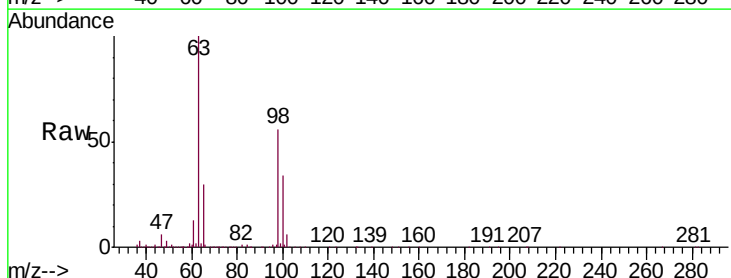
Tgt Ion: 96 Resp: 1437

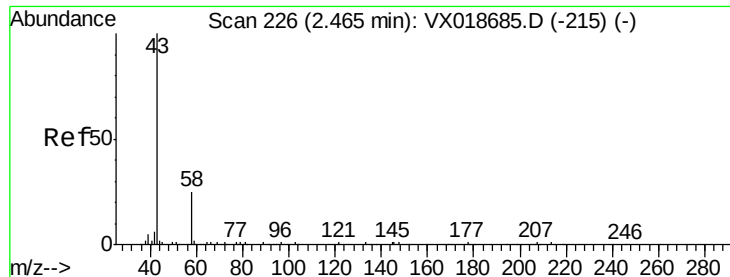
Ion Ratio Lower Upper

96 100

61 952.0 123.8 229.8#

63 7584.8 104.7 194.4#





#13

Acetone

Concen: 1.716 ug/L

RT: 2.46 min Scan# 225

Delta R.T. -0.01 min

Lab File: VX018701.D

Acq: 30 Sep 2020 16:47

Instrument :

MSVOA_X

ClientSampled :

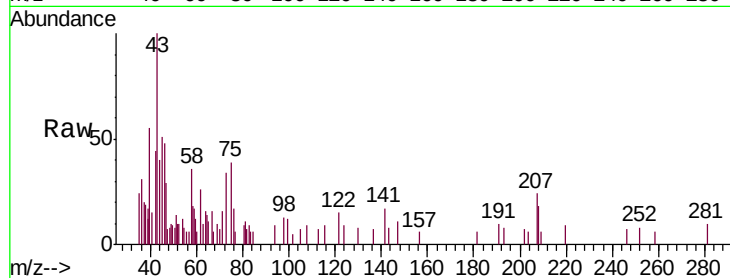
BG0Q5DL2

Tgt Ion: 43 Resp: 2930

Ion Ratio Lower Upper

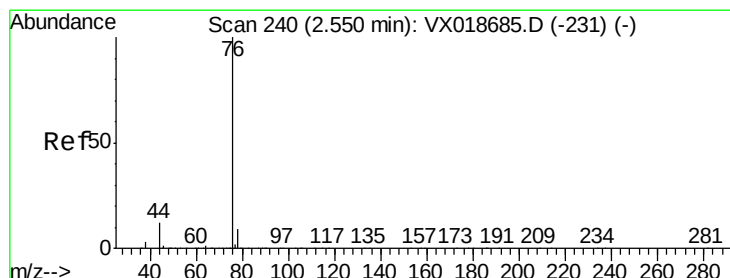
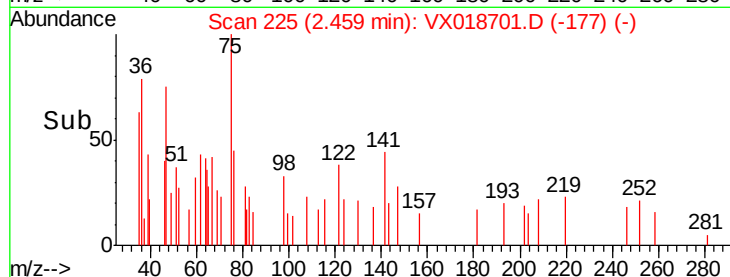
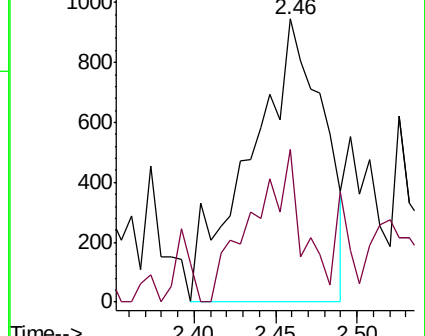
43 100

58 36.9 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 0.067 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018701.D

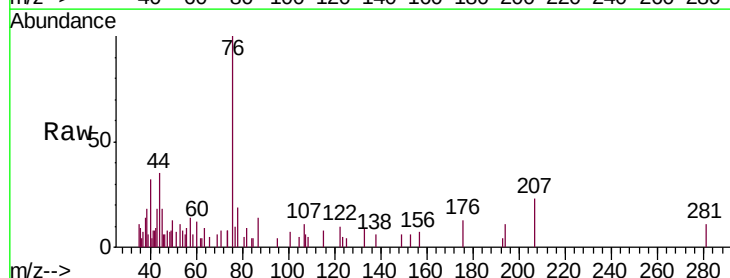
Acq: 30 Sep 2020 16:47

Tgt Ion: 76 Resp: 2306

Ion Ratio Lower Upper

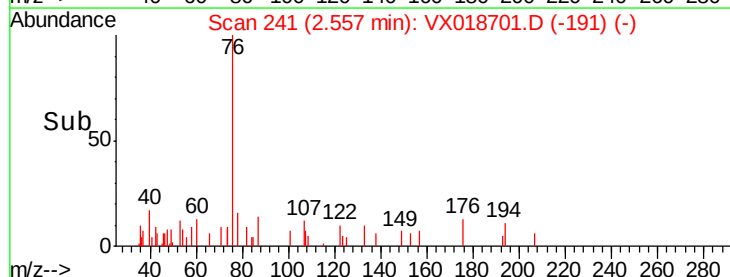
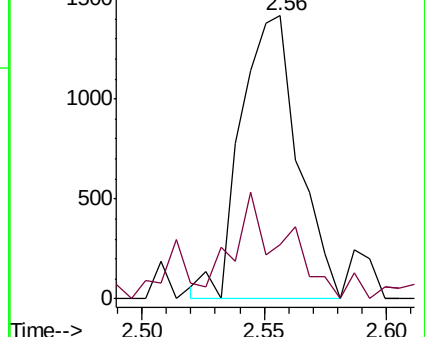
76 100

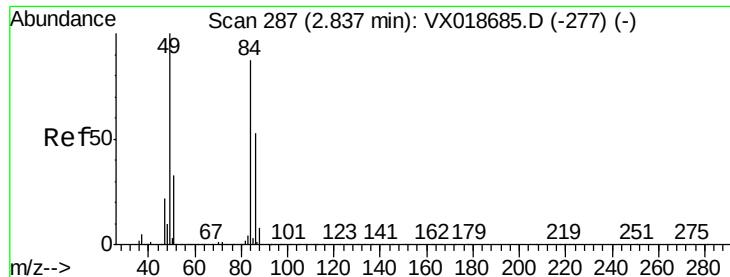
78 19.0 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

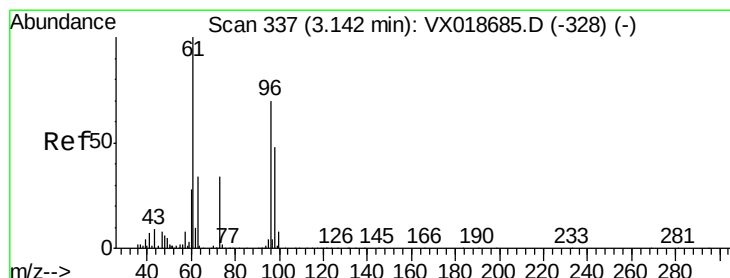
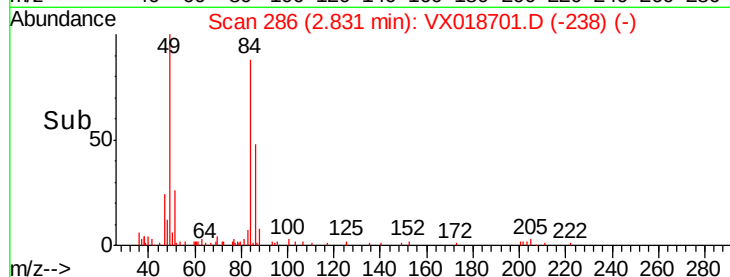
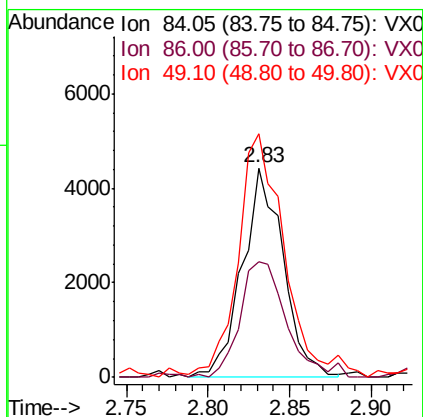
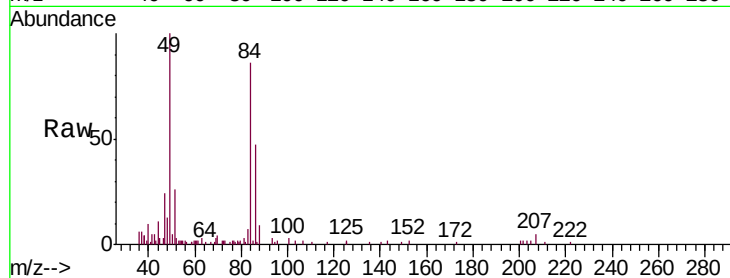




#16
Methylene chloride
Concen: 0.504 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018701.D
Acq: 30 Sep 2020 16:47

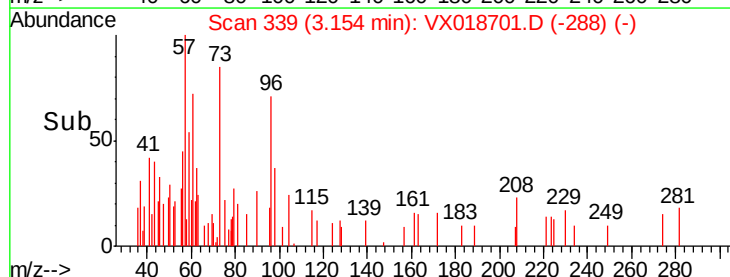
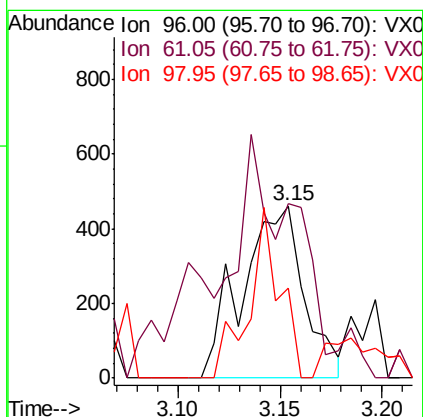
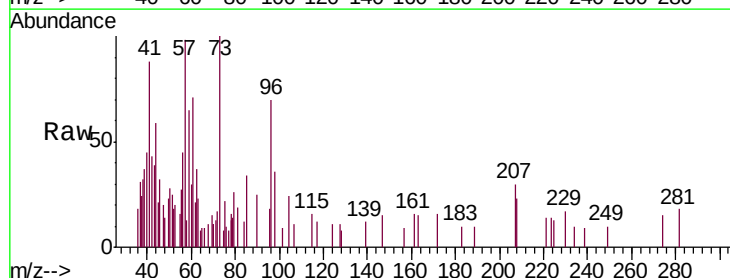
Instrument :
MSVOA_X
ClientSampleId :
BG0Q5DL2

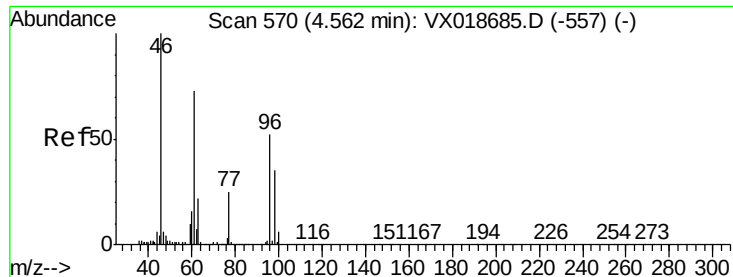
Tgt Ion: 84 Resp: 7775
Ion Ratio Lower Upper
84 100
86 55.0 41.9 77.7
49 116.2 80.8 150.2



#18
trans-1,2-Dichloroethene
Concen: 0.087 ug/L
RT: 3.15 min Scan# 339
Delta R.T. 0.01 min
Lab File: VX018701.D
Acq: 30 Sep 2020 16:47

Tgt Ion: 96 Resp: 978
Ion Ratio Lower Upper
96 100
61 101.3 97.3 180.7
98 52.3 46.6 86.6





#22

cis-1,2-Dichloroethene

Concen: 0.119 ug/L

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX018701.D

Acq: 30 Sep 2020 16:47

Instrument :

MSVOA_X

ClientSampleId :

BG0Q5DL2

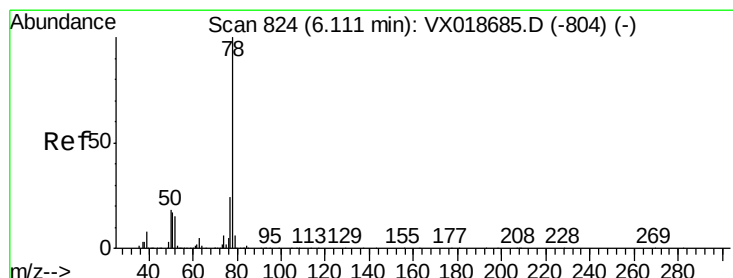
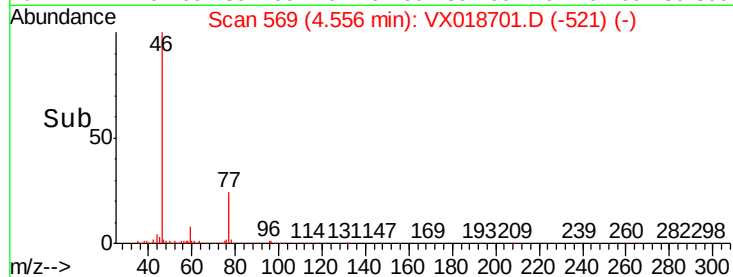
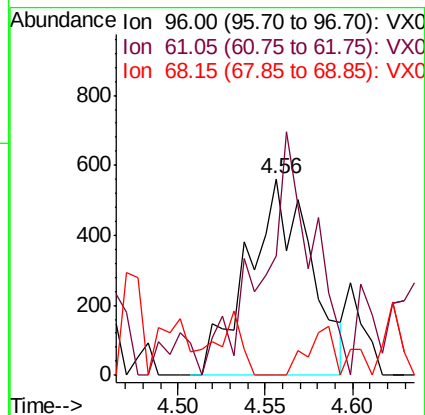
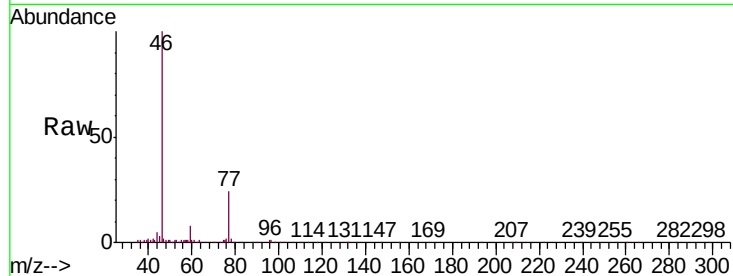
Tgt Ion: 96 Resp: 1400

Ion Ratio Lower Upper

96 100

61 60.9 87.7 162.9#

68 0.0 0.3 0.7#



#33

Benzene

Concen: 9.767 ug/L

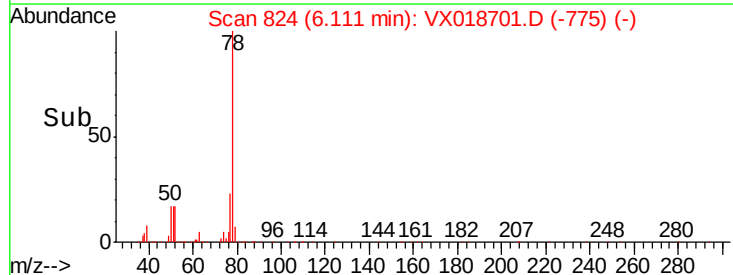
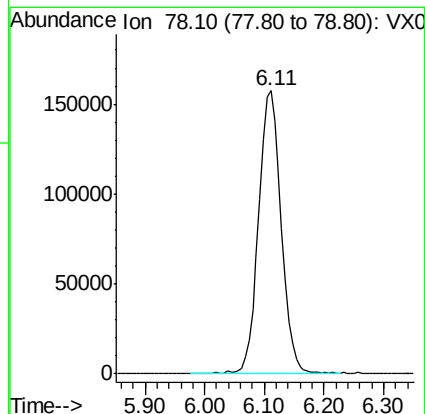
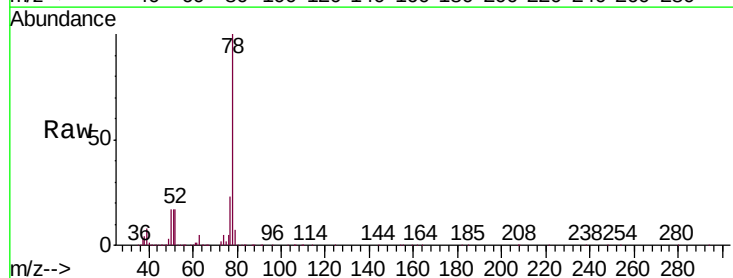
RT: 6.11 min Scan# 824

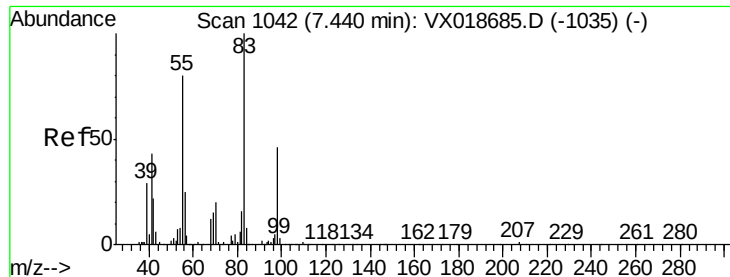
Delta R.T. 0.00 min

Lab File: VX018701.D

Acq: 30 Sep 2020 16:47

Tgt Ion: 78 Resp: 416154

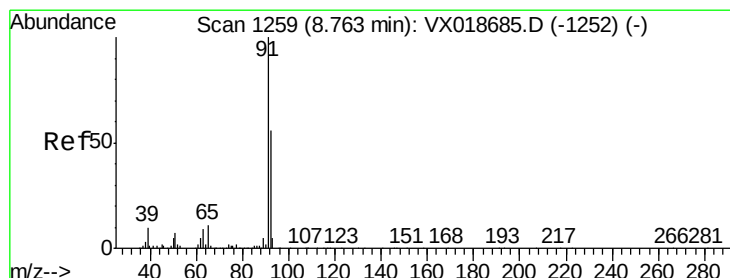
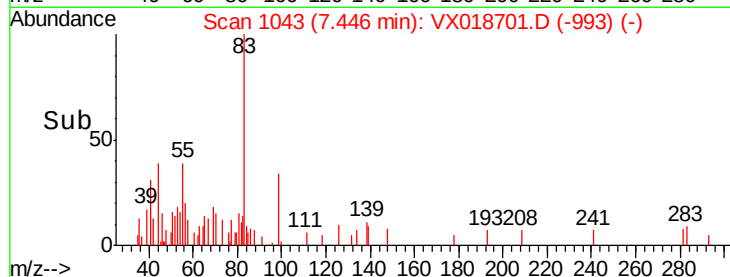
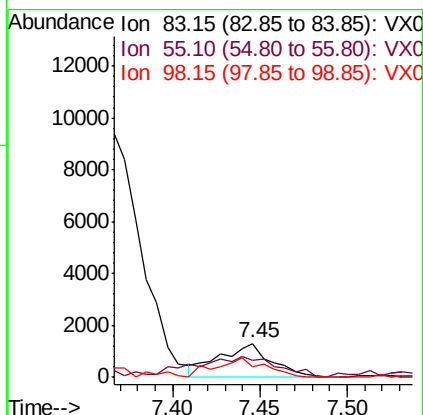
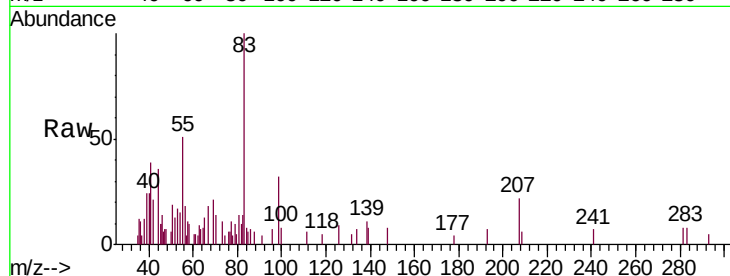




#35
Methylcyclohexane
Concen: 0.157 ug/L
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX018701.D
Acq: 30 Sep 2020 16:47

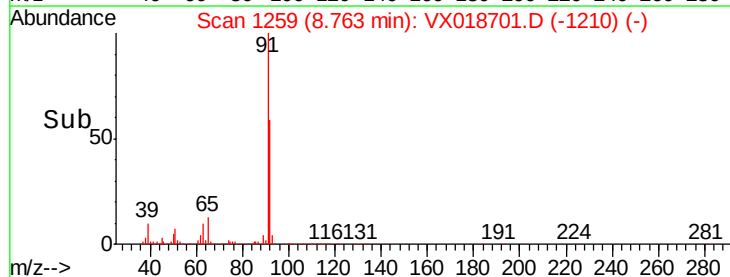
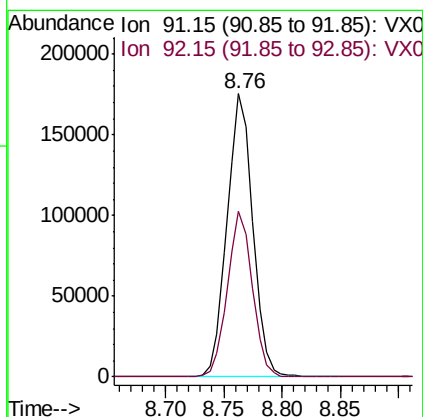
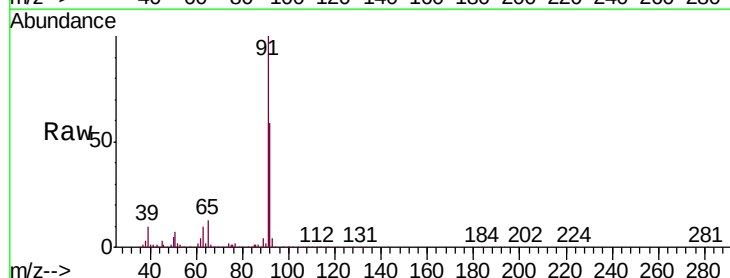
Instrument :
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BG0Q5DL2

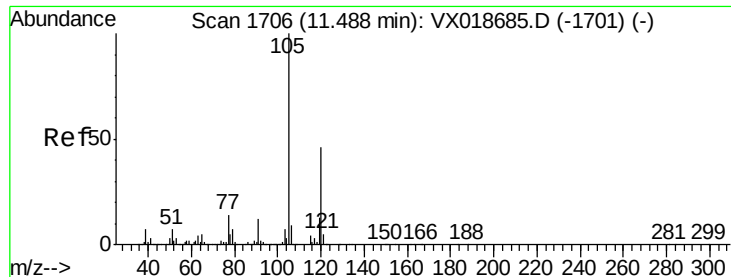
Tgt Ion: 83 Resp: 2693
Ion Ratio Lower Upper
83 100
55 95.5 67.4 101.0
98 54.9 41.1 61.7



#42
Toluene
Concen: 5.871 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX018701.D
Acq: 30 Sep 2020 16:47

Tgt Ion: 91 Resp: 270206
Ion Ratio Lower Upper
91 100
92 58.7 41.1 76.3

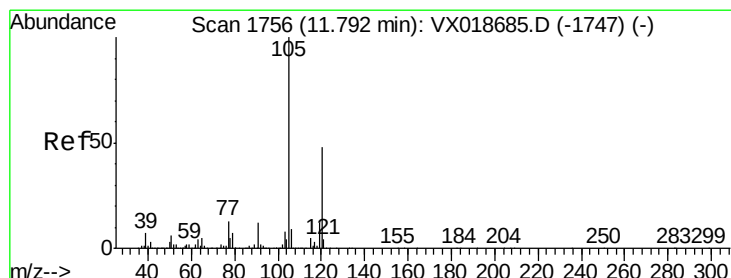
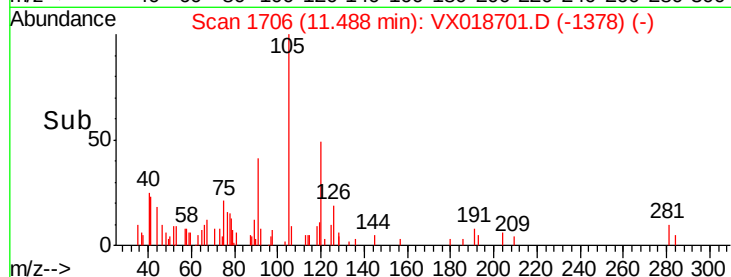
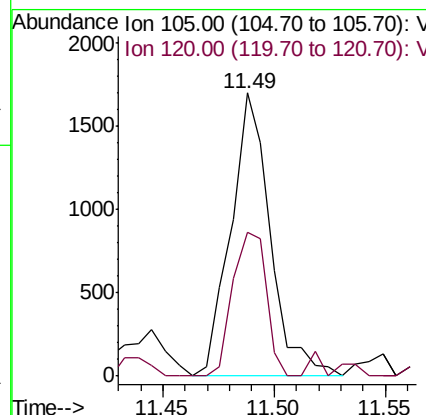
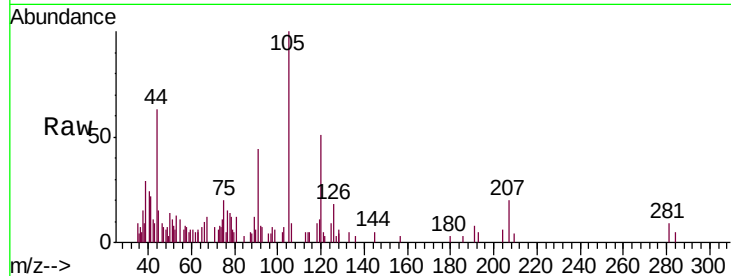




#43
 1,3,5-Trimethylbenzene
 Concen: 0.052 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX018701.D
 Acq: 30 Sep 2020 16:47

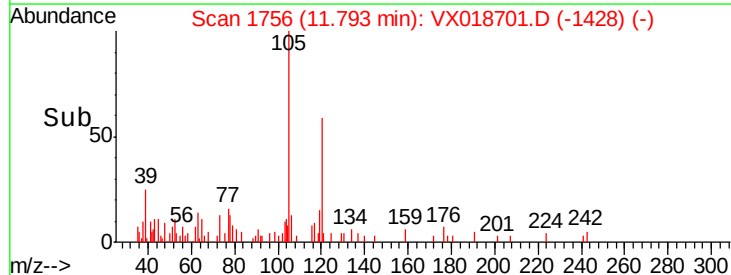
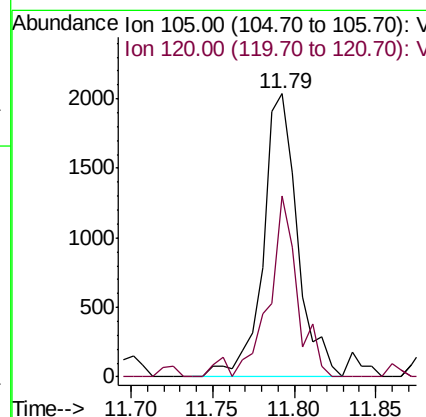
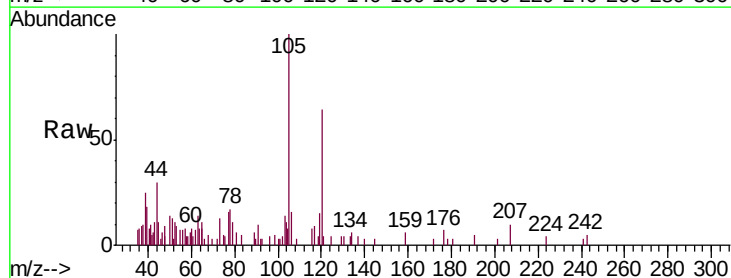
Instrument :
 MSVOA_X
 ClientSampleId :
 BG0Q5DL2

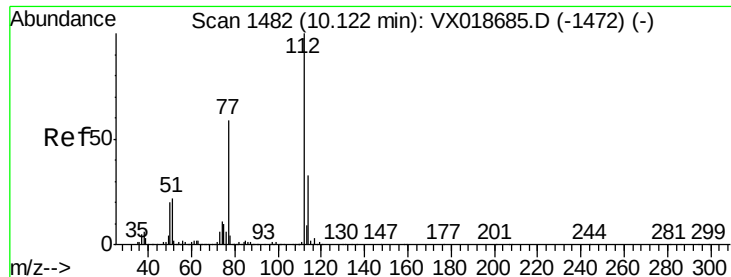
Tgt Ion:105 Resp: 2092
 Ion Ratio Lower Upper
 105 100
 120 43.3 37.2 55.8



#44
 1,2,4-Trimethylbenzene
 Concen: 0.074 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX018701.D
 Acq: 30 Sep 2020 16:47

Tgt Ion:105 Resp: 2966
 Ion Ratio Lower Upper
 105 100
 120 51.6 36.8 55.2





#53

Chlorobenzene

Concen: 11.373 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018701.D

Acq: 30 Sep 2020 16:47

Instrument :

MSVOA_X

ClientSampleId :

BG0Q5DL2

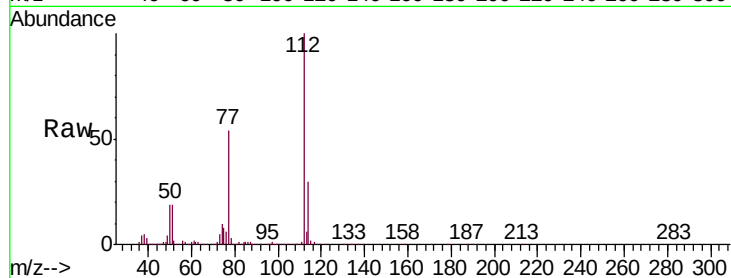
Tgt Ion: 112 Resp: 345798

Ion Ratio Lower Upper

112 100

114 30.2 20.6 38.4

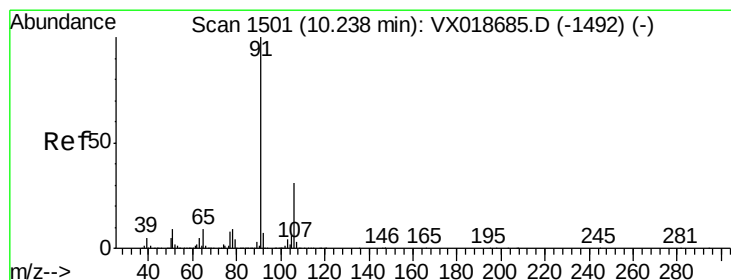
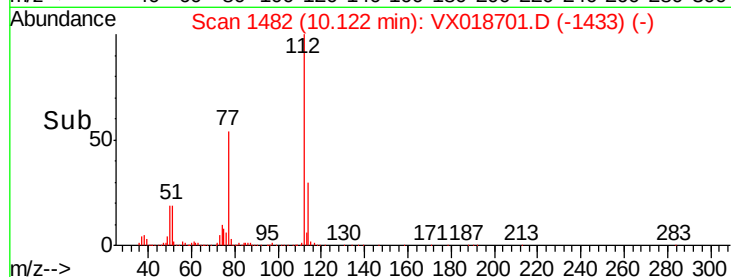
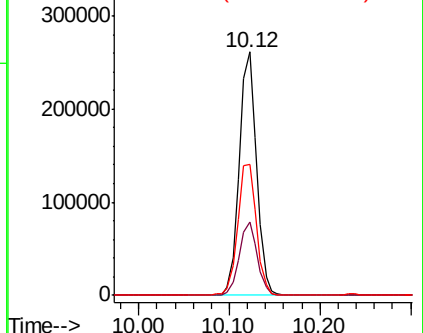
77 53.7 46.6 69.8



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): VX0



#54

Ethylbenzene

Concen: 0.372 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018701.D

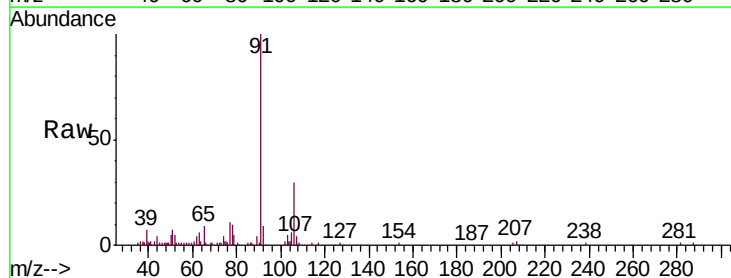
Acq: 30 Sep 2020 16:47

Tgt Ion: 91 Resp: 18629

Ion Ratio Lower Upper

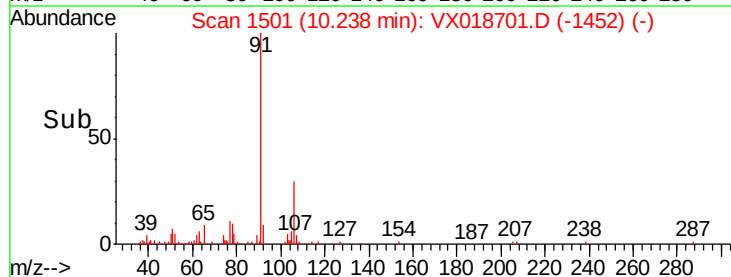
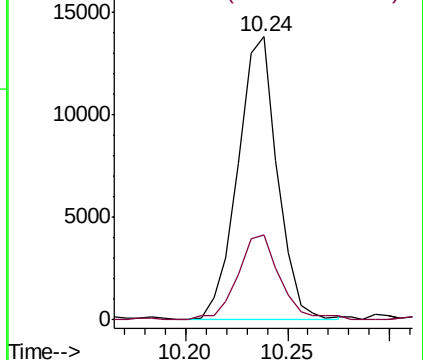
91 100

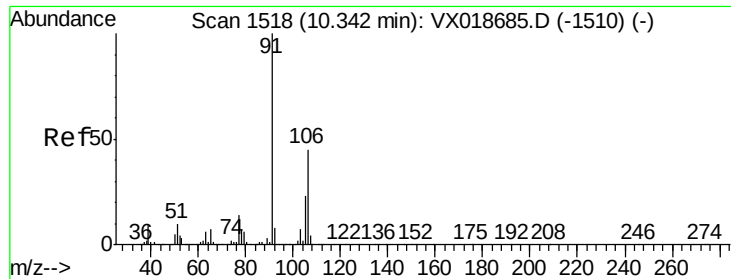
106 30.2 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.220 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018701.D

Acq: 30 Sep 2020 16:47

Instrument :

MSVOA_X

ClientSampled :

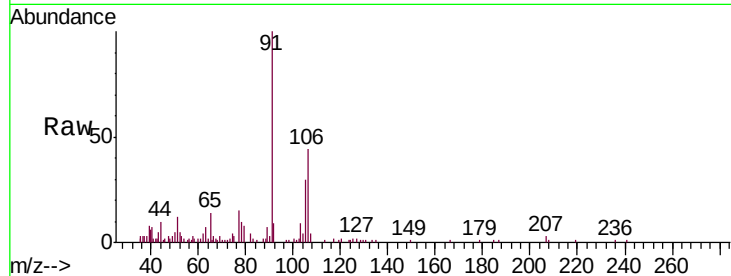
BG0Q5DL2

Tgt Ion:106 Resp: 4214

Ion Ratio Lower Upper

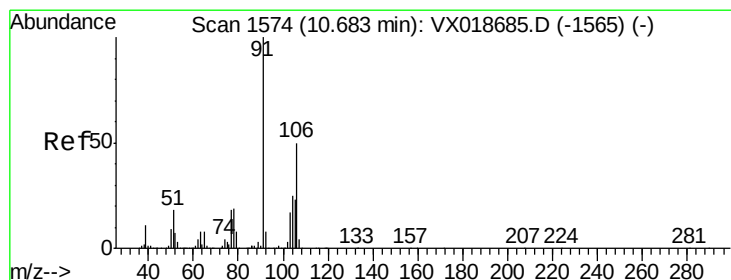
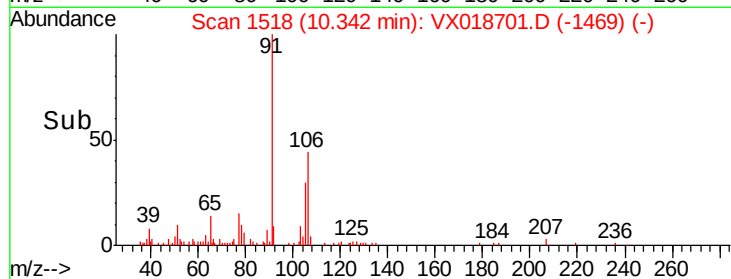
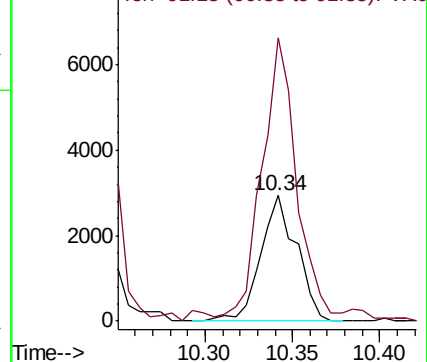
106 100

91 225.9 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.340 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018701.D

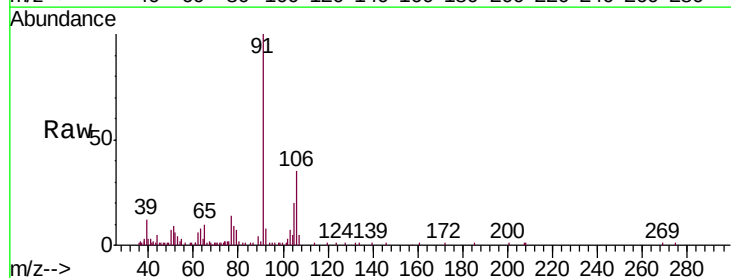
Acq: 30 Sep 2020 16:47

Tgt Ion:106 Resp: 6166

Ion Ratio Lower Upper

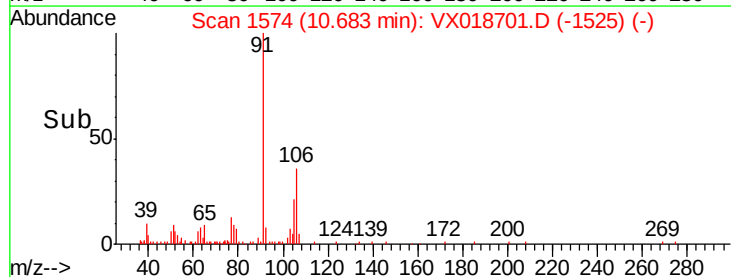
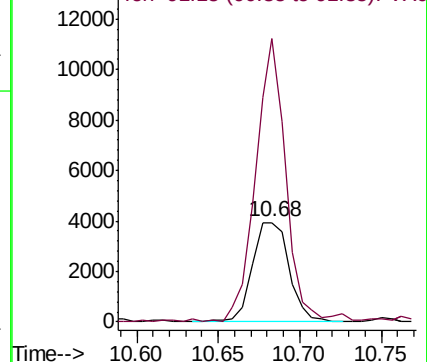
106 100

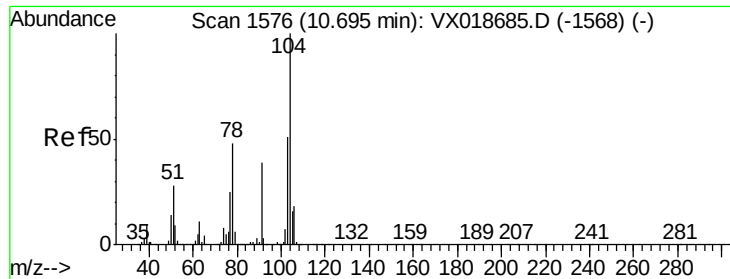
91 285.1 167.5 311.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#57

Styrene

Concen: 0.063 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018701.D

Acq: 30 Sep 2020 16:47

Instrument :

MSVOA_X

ClientSampled :

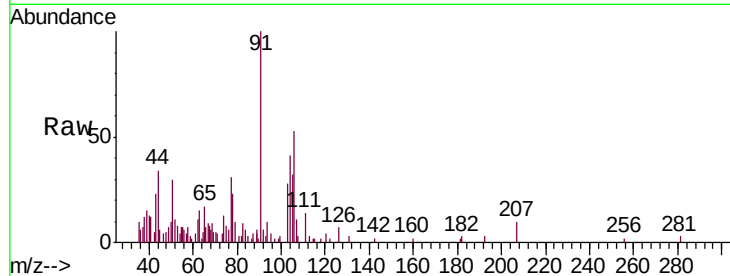
BG0Q5DL2

Tgt Ion:104 Resp: 1889

Ion Ratio Lower Upper

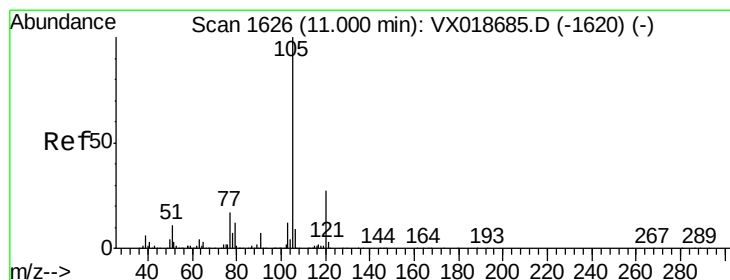
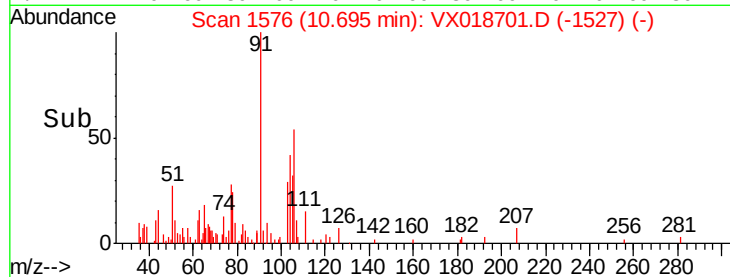
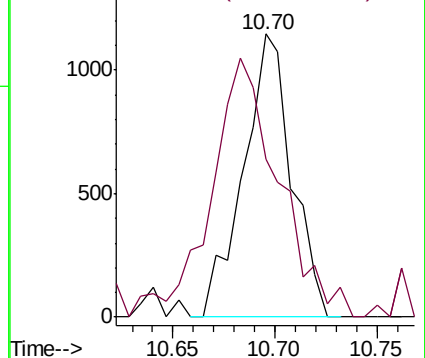
104 100

78 56.0 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0



#58

Isopropylbenzene

Concen: 0.501 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018701.D

Acq: 30 Sep 2020 16:47

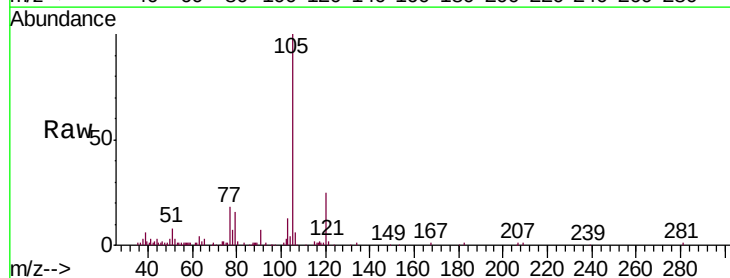
Tgt Ion:105 Resp: 24333

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

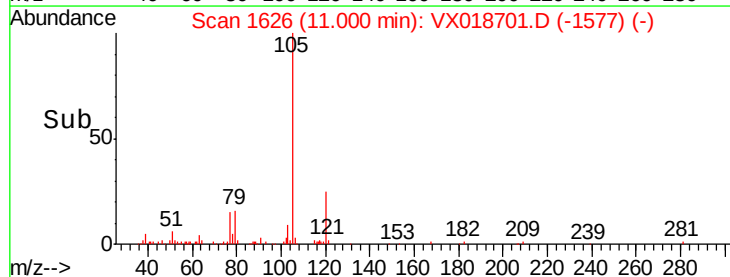
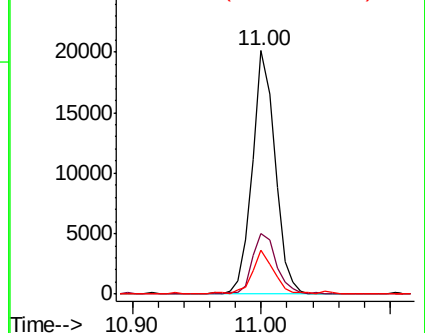
77 17.7 13.3 19.9

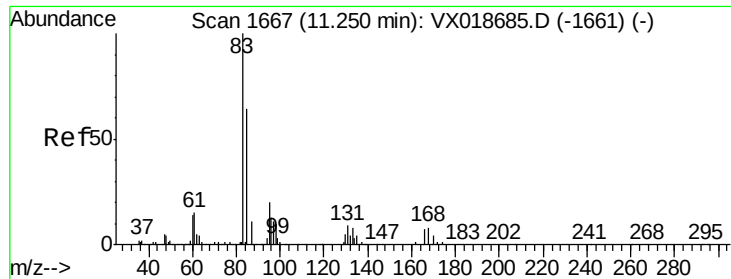


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VX0





#60

1,1,2,2-Tetrachloroethane

Concen: 0.090 ug/L

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX018701.D

Acq: 30 Sep 2020 16:47

Instrument :

MSVOA_X

ClientSampled :

BG0Q5DL2

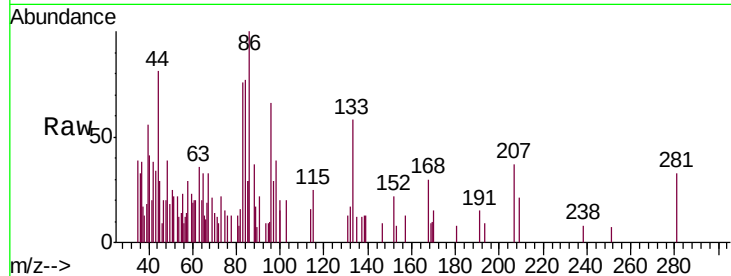
Tgt Ion: 83 Resp: 828

Ion Ratio Lower Upper

83 100

85 76.8 48.5 90.1

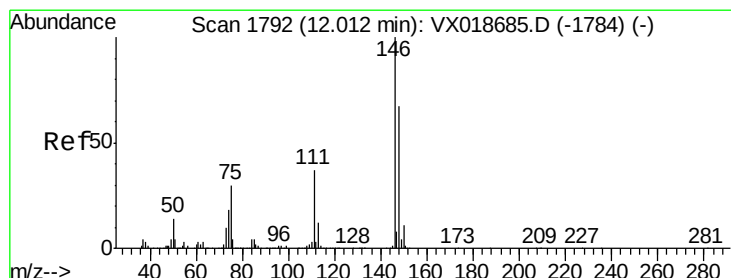
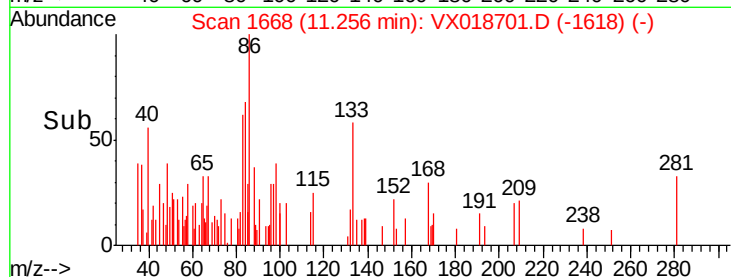
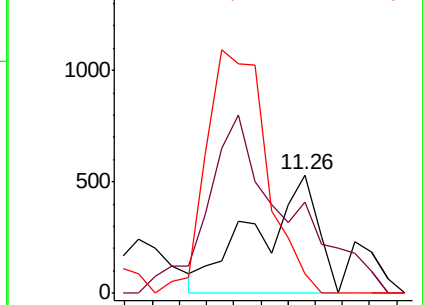
131 16.6 7.8 11.6#



Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V



#63

1,3-Dichlorobenzene

Concen: 0.152 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX018701.D

Acq: 30 Sep 2020 16:47

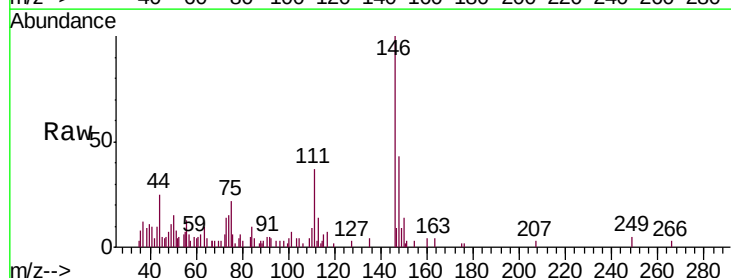
Tgt Ion: 146 Resp: 3435

Ion Ratio Lower Upper

146 100

111 37.3 26.7 49.7

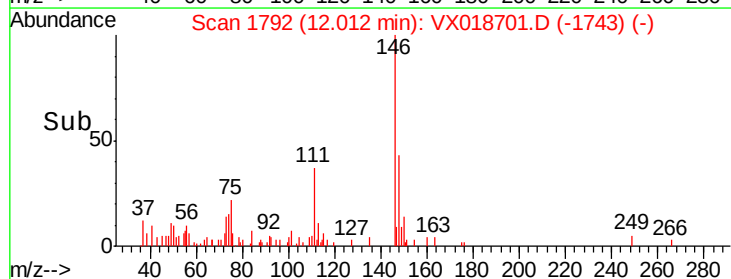
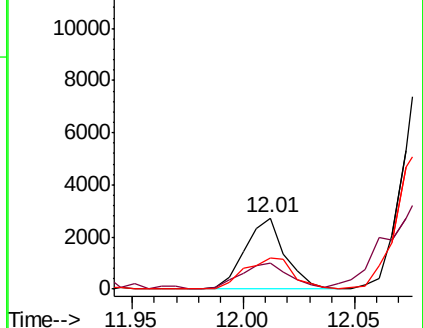
148 43.2 44.4 82.5#

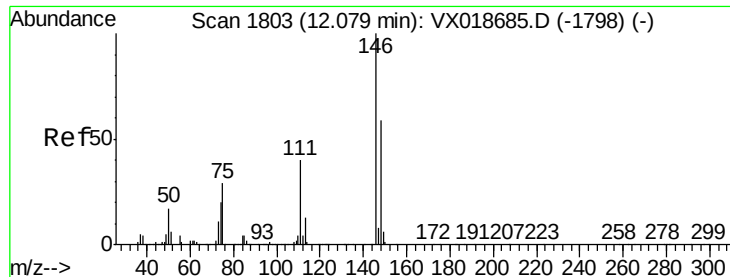


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

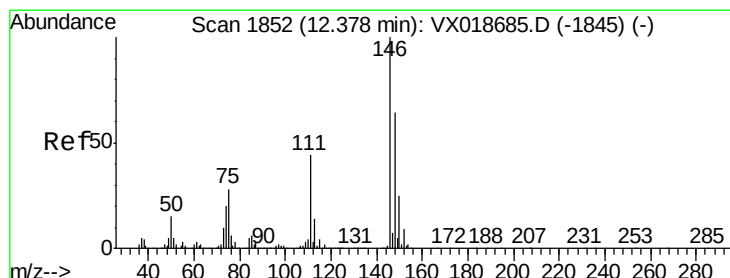
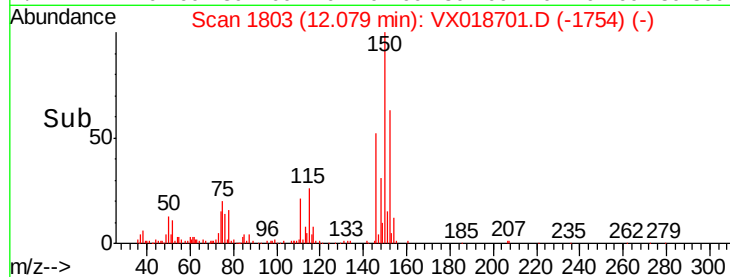
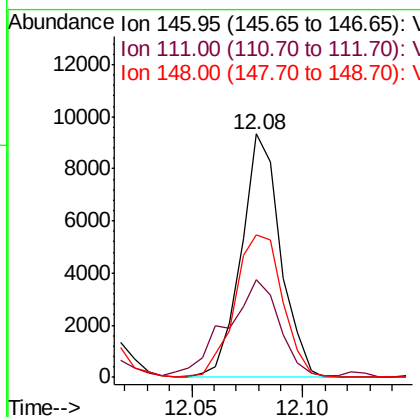
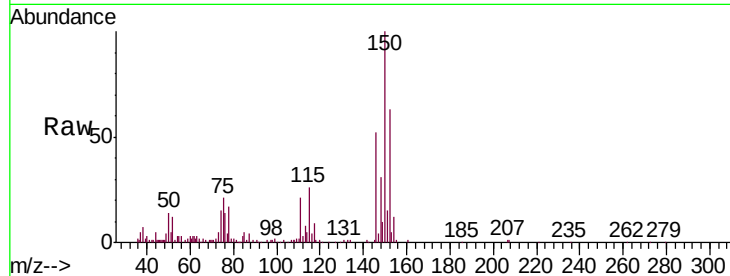




#64
 1,4-Dichlorobenzene
 Concen: 0.504 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX018701.D
 Acq: 30 Sep 2020 16:47

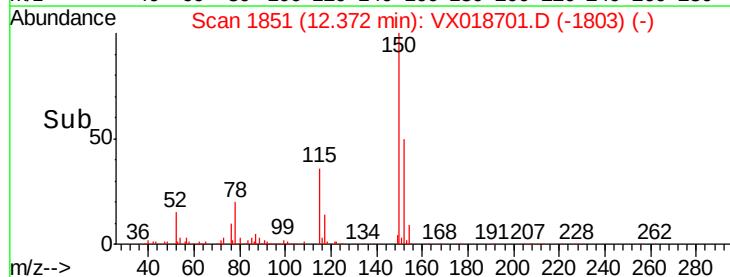
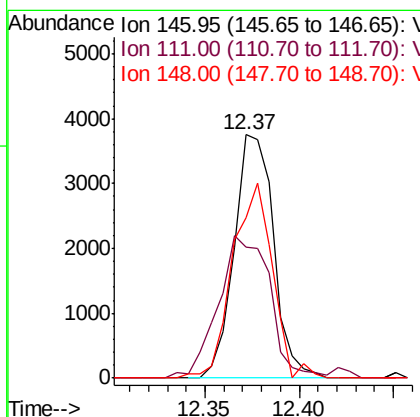
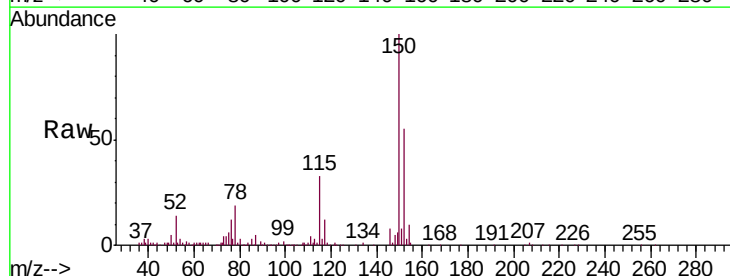
Instrument :
 MSVOA_X
 ClientSampleId :
 BG0Q5DL2

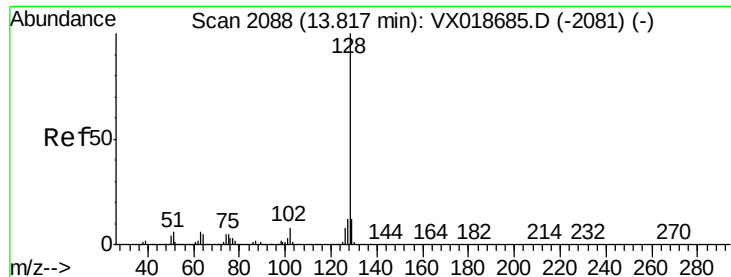
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	28.8	53.4
148	58.7	44.9	83.3



#66
 1,2-Dichlorobenzene
 Concen: 0.259 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX018701.D
 Acq: 30 Sep 2020 16:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	54.0	33.6	50.4#
148	66.1	53.4	80.2





#70

Naphthalene

Concen: 0.070 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018701.D

Acq: 30 Sep 2020 16:47

Instrument :

MSVOA_X

ClientSampleId :

BG0Q5DL2

Tgt Ion:128 Resp: 1642

Ion Ratio Lower Upper

128 100

129 10.0 8.8 13.2

127 0.0 10.7 16.1#

