

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011321\
 Data File : VX020595.D
 Acq On : 13 Jan 2021 15:51
 Operator : JC/MD
 Sample : M1083-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Manual Integrations
 APPROVED

MMDadoda
 1/15/2021 10:06:34 AM

Quant Time: Jan 13 16:17:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 11 15:05:37 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.629	168	175639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	282039	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	269363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	137328	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	111191	52.71	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	105.42%
35) Dibromofluoromethane	5.464	113	97993	50.14	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.28%
50) Toluene-d8	8.695	98	333375	47.68	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.36%
62) 4-Bromofluorobenzene	11.122	95	128813	52.16	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.32%
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	82553	44.90	ug/l	99
16) Acetone	2.416	43	15533	17.89	ug/l	96
21) trans-1,2-Dichloroethene	3.141	96	1138	0.60	ug/l #	76
27) cis-1,2-Dichloroethene	4.562	96	545652	259.61	ug/l	84
44) Trichloroethene	7.183	130	5550	2.41	ug/l	90
52) Toluene	8.762	92	1916	0.39	ug/l	97
59) 2-Hexanone	9.470	43	6856	4.06	ug/l	96
64) Tetrachloroethene	9.317	164	16747	6.88	ug/l	96
67) Ethyl Benzene	10.232	91	9239	0.99	ug/l	96
68) m/p-Xylenes	10.341	106	15946	4.43	ug/l	98
69) o-Xylene	10.683	106	8627	2.60	ug/l	98
73) Isopropylbenzene	11.000	105	3541	0.38	ug/l	99
78) n-propylbenzene	11.341	91	11288	1.10	ug/l	98
80) 1,3,5-Trimethylbenzene	11.488	105	23258	3.00	ug/l	99
84) 1,2,4-Trimethylbenzene	11.792	105	90298	11.64	ug/l	99
85) sec-Butylbenzene	11.927	105	6007	0.69	ug/l	83
86) p-Isopropyltoluene	12.048	119	4453m	0.55	ug/l	
89) n-Butylbenzene	12.365	91	14052	2.01	ug/l #	29
95) Naphthalene	13.816	128	56709	9.00	ug/l	99

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

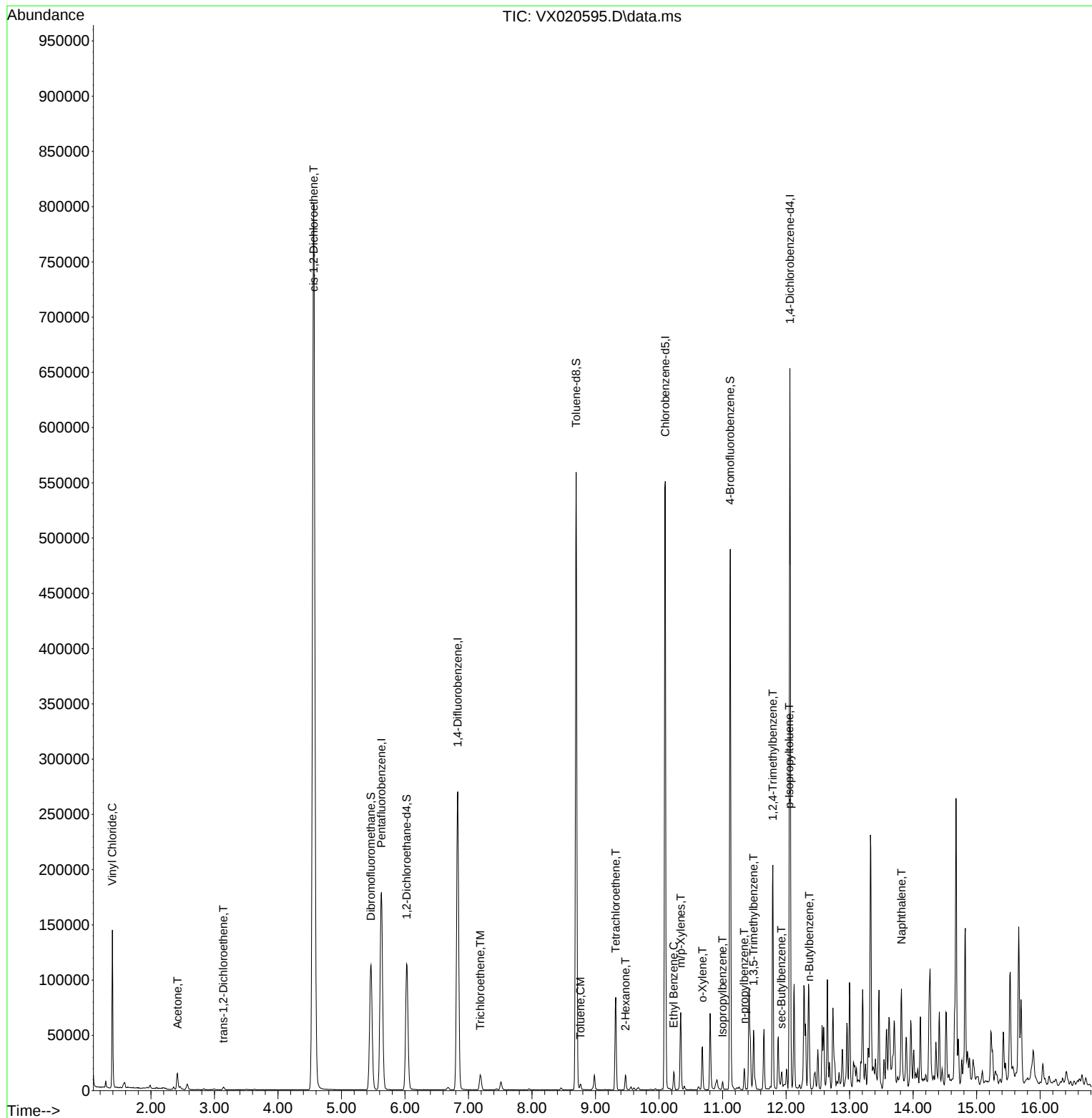
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011321\
Data File : VX020595.D
Acq On : 13 Jan 2021 15:51
Operator : JC/MD
Sample : M1083-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

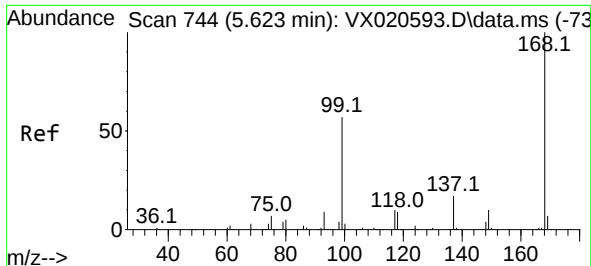
Instrument :
MSVOA_X
ClientSampleId :
MW-6

Manual Integrations
APPROVED

MMDadoda
1/15/2021 10:06:34 AM

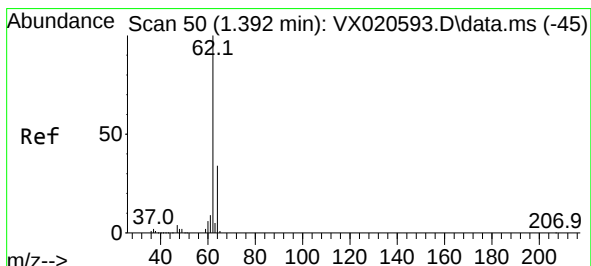
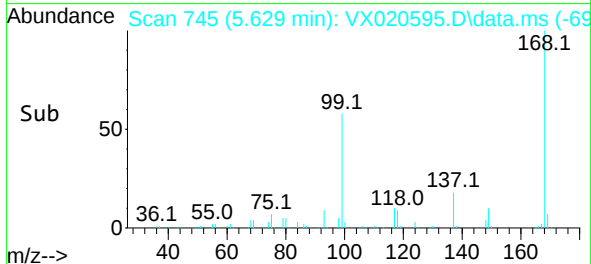
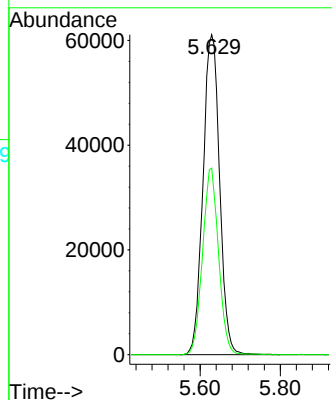
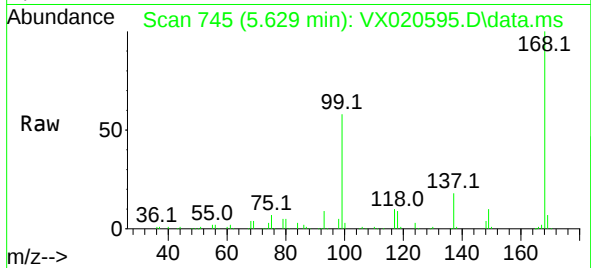
Quant Time: Jan 13 16:17:58 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 11 15:05:37 2021
Response via : Initial Calibration





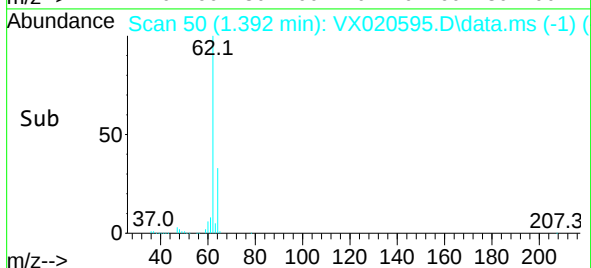
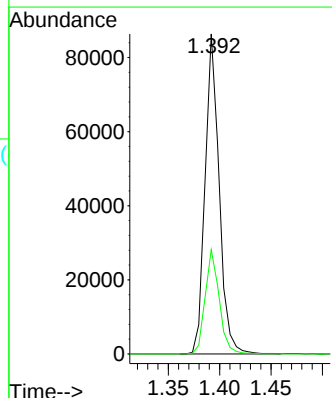
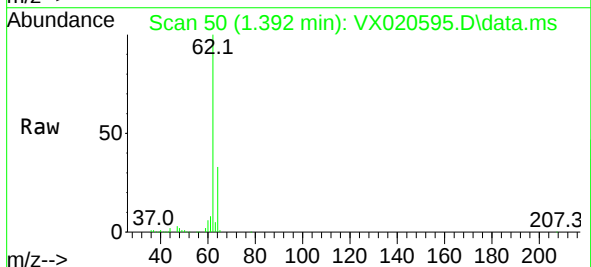
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

Tgt Ion: 168 Resp: 175639
Ion Ratio Lower Upper
168 100
99 58.3 45.8 68.6



#4
Vinyl Chloride
Concen: 44.90 ug/l
RT: 1.392 min Scan# 50
Delta R.T. -0.000 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

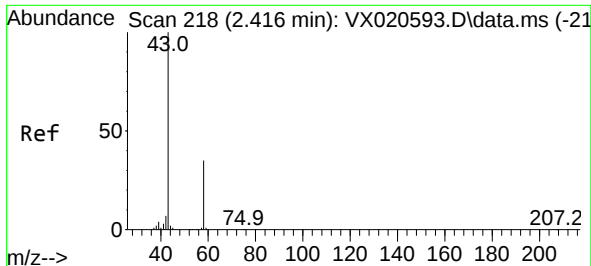
Tgt Ion: 62 Resp: 82553
Ion Ratio Lower Upper
62 100
64 32.5 25.7 38.5



Instrument :
MSVOA_X
ClientSampleId :
MW-6

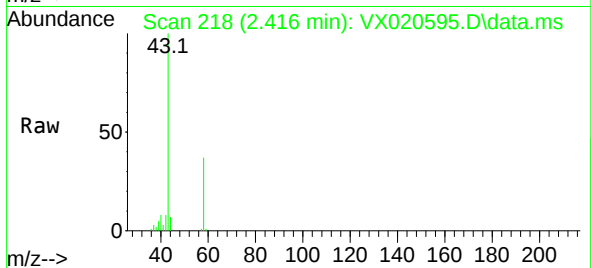
Manual Integrations
APPROVED

MMDadoda
1/15/2021 10:06:34 AM



#16
Acetone
Concen: 17.89 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.012 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

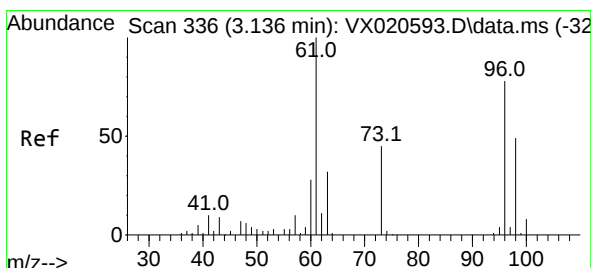
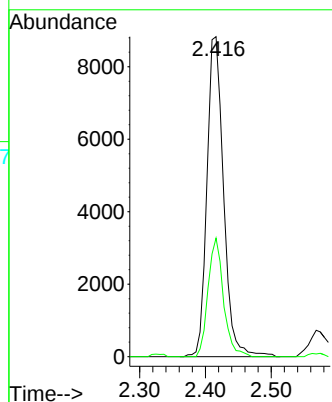
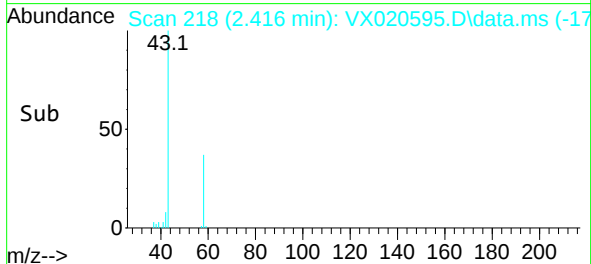
Instrument :
MSVOA_X
ClientSampled :
MW-6



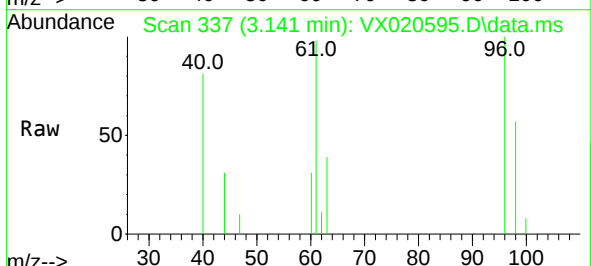
Tgt Ion: 43 Resp: 15533
Ion Ratio Lower Upper
43 100
58 37.0 27.8 41.8

Manual Integrations
APPROVED

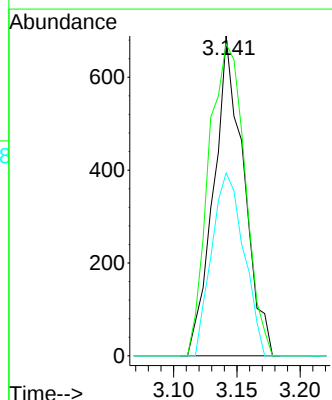
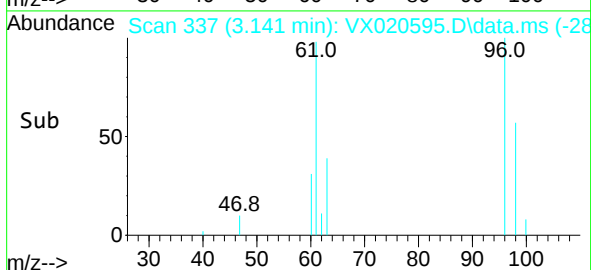
MMDadoda
1/15/2021 10:06:34 AM

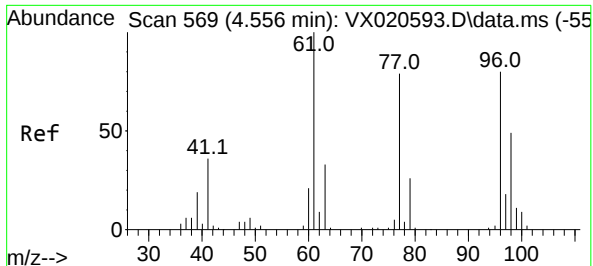


#21
trans-1,2-Dichloroethene
Concen: 0.60 ug/l
RT: 3.141 min Scan# 337
Delta R.T. -0.001 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51



Tgt Ion: 96 Resp: 1138
Ion Ratio Lower Upper
96 100
61 97.5 107.7 161.5#
98 57.2 50.4 75.6





#27

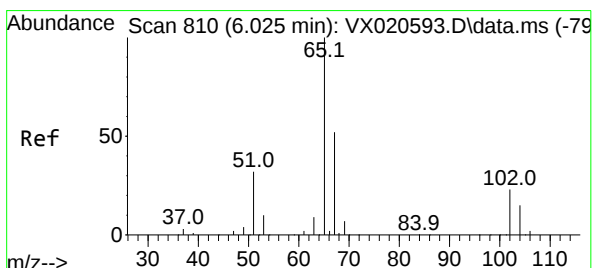
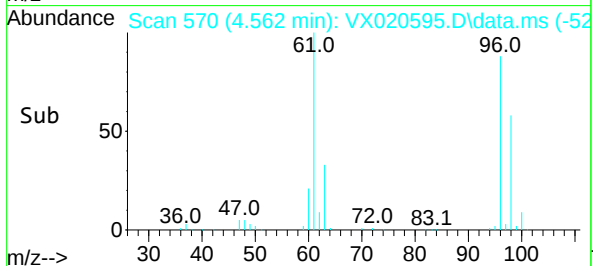
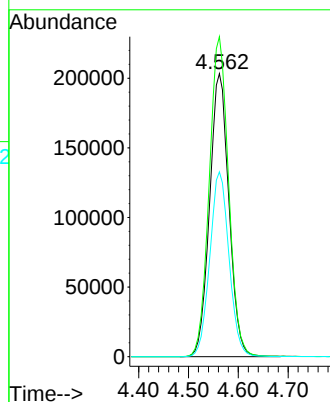
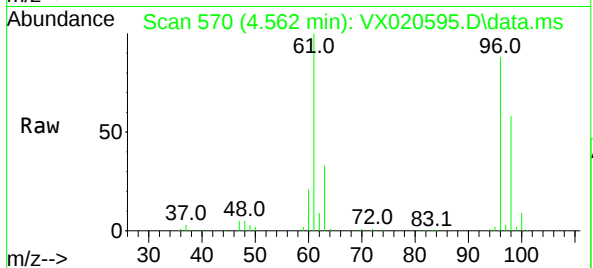
cis-1,2-Dichloroethene
Concen: 259.61 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.000 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	113.6	0.0	285.6
98	65.1	0.0	129.6

Instrument :
MSVOA_X
ClientSampled :
MW-6

Manual Integrations
APPROVED

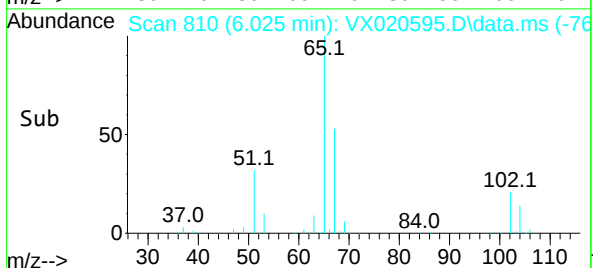
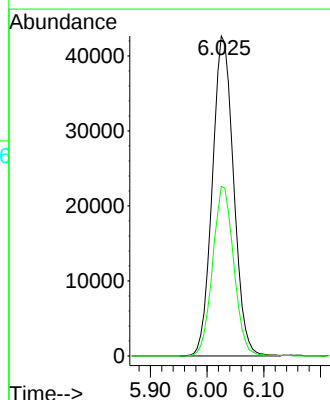
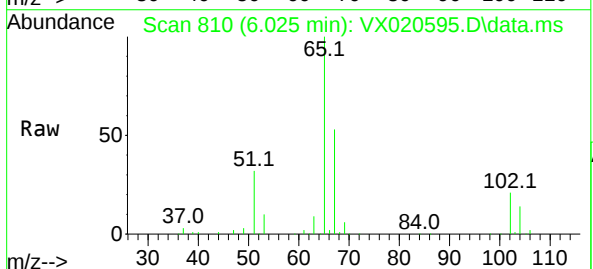
MMDadoda
1/15/2021 10:06:34 AM

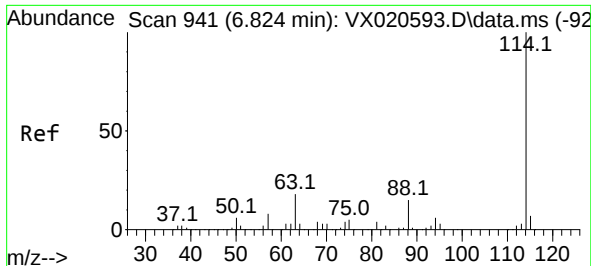


#33

1,2-Dichloroethane-d4
Concen: 52.71 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	105.4





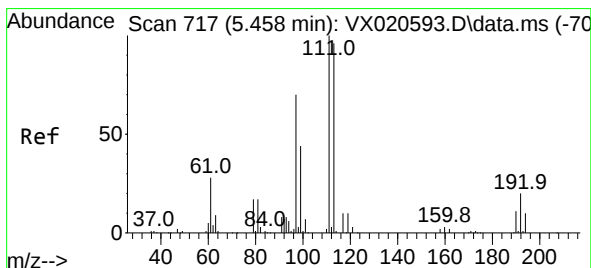
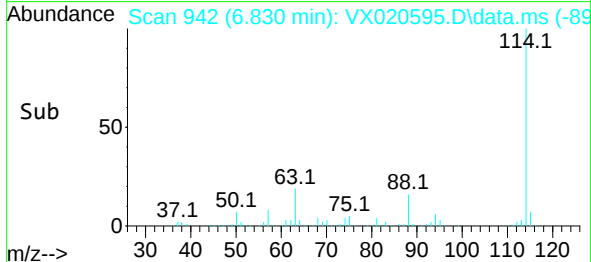
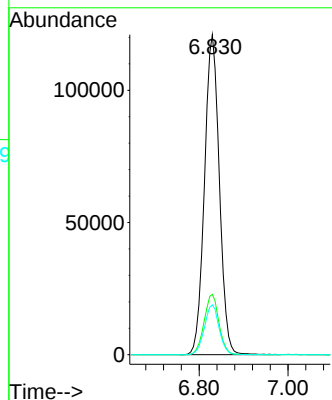
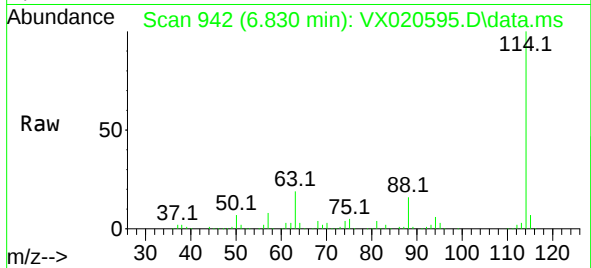
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. -0.000 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

Tgt Ion:114 Resp: 282039
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.8
88 15.6 0.0 32.8

Instrument :
MSVOA_X
ClientSampled :
MW-6

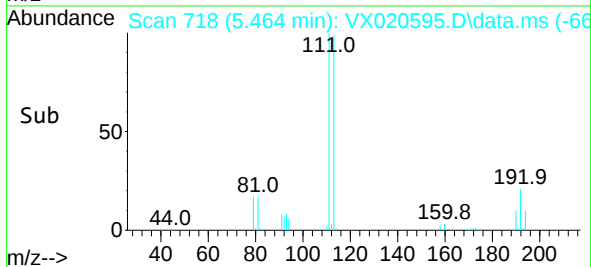
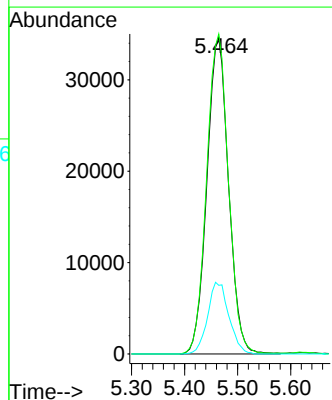
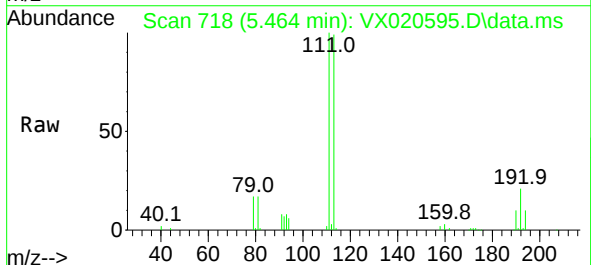
Manual Integrations
APPROVED

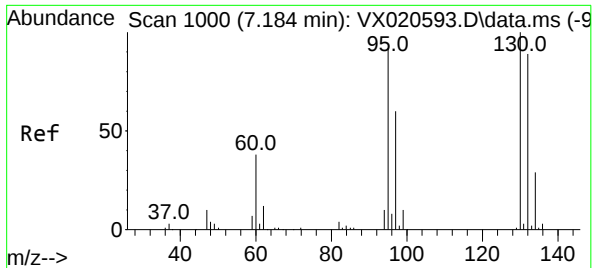
MMDadoda
1/15/2021 10:06:34 AM



#35
Dibromofluoromethane
Concen: 50.14 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.001 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

Tgt Ion:113 Resp: 97993
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 22.3 16.7 25.1





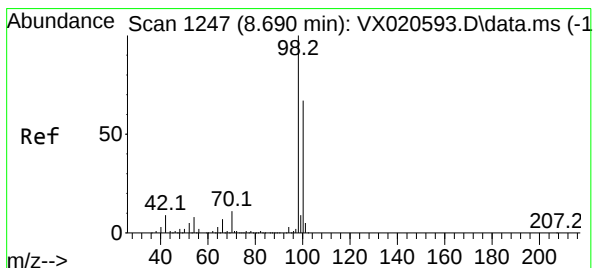
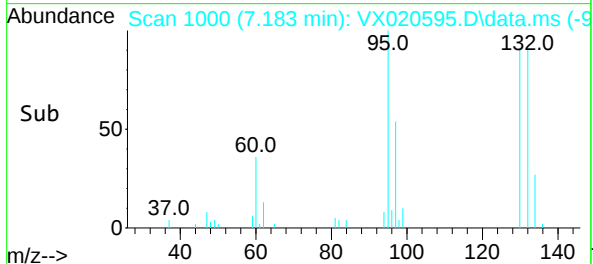
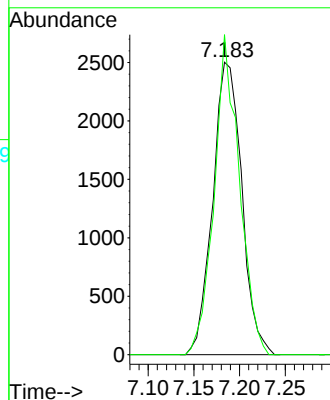
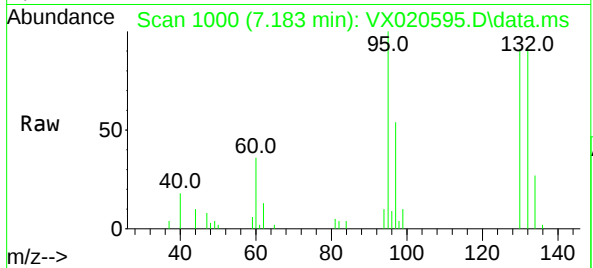
#44
Trichloroethene
Concen: 2.41 ug/l
RT: 7.183 min Scan# 1000
Delta R.T. -0.007 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

Tgt Ion:130 Resp: 5550
Ion Ratio Lower Upper
130 100
95 109.4 0.0 198.0

Instrument :
MSVOA_X
ClientSampled :
MW-6

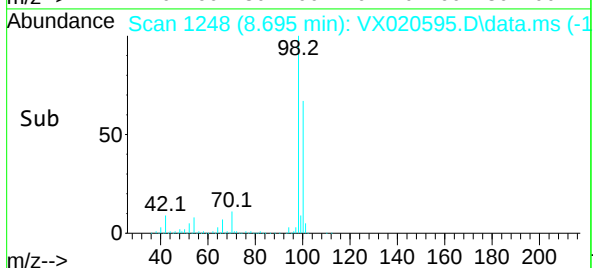
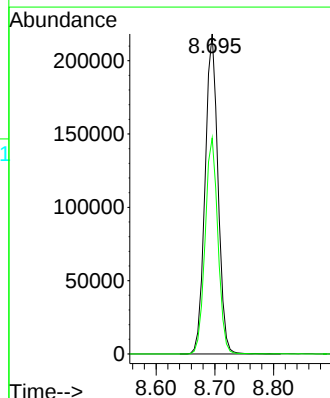
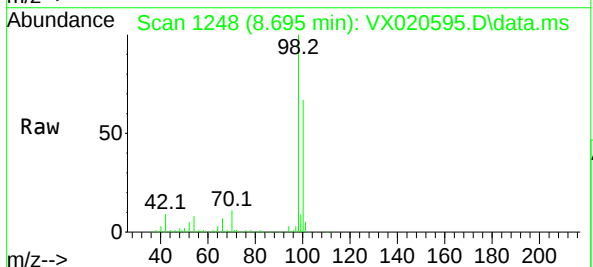
Manual Integrations
APPROVED

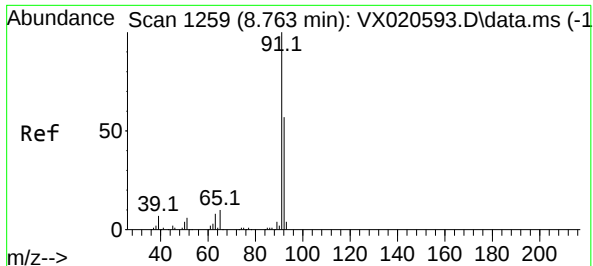
MMDadoda
1/15/2021 10:06:34 AM



#50
Toluene-d8
Concen: 47.68 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.001 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

Tgt Ion: 98 Resp: 333375
Ion Ratio Lower Upper
98 100
100 66.7 51.9 77.9





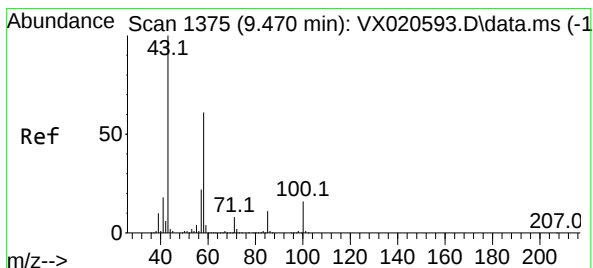
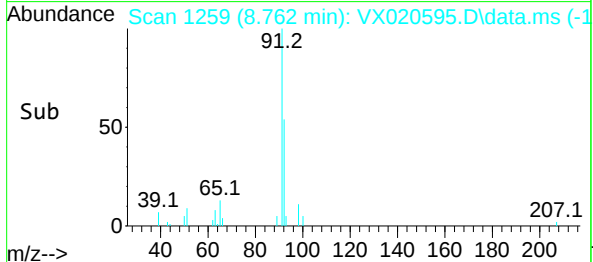
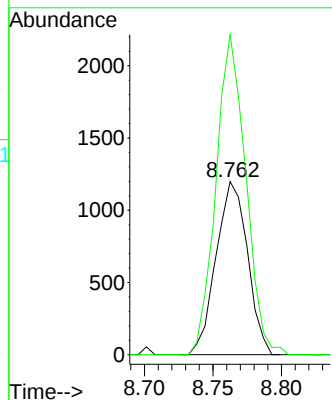
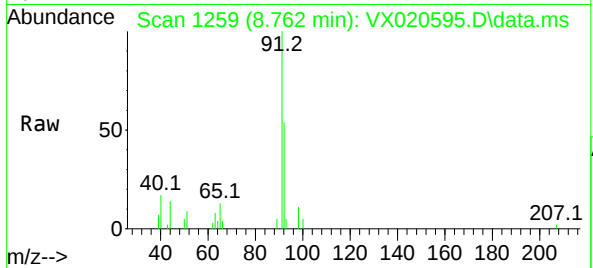
#52
Toluene
Concen: 0.39 ug/l
RT: 8.762 min Scan# 1259
Delta R.T. -0.001 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

Tgt Ion: 92 Resp: 1916
Ion Ratio Lower Upper
92 100
91 175.1 137.1 205.7

Instrument :
MSVOA_X
ClientSampled :
MW-6

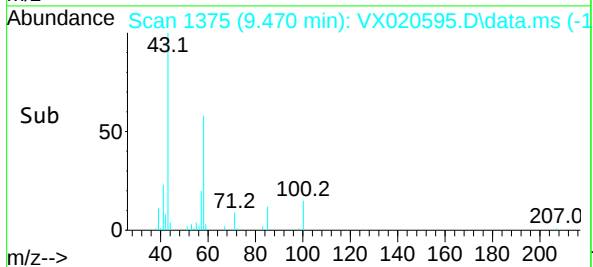
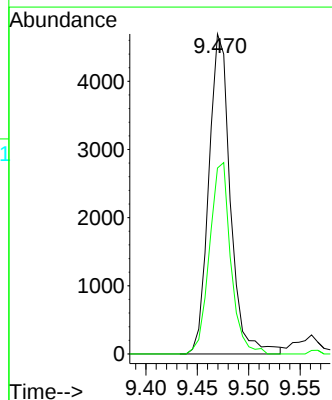
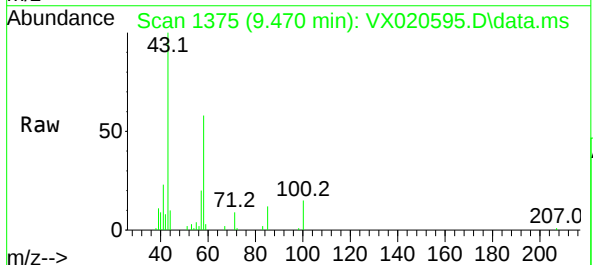
Manual Integrations
APPROVED

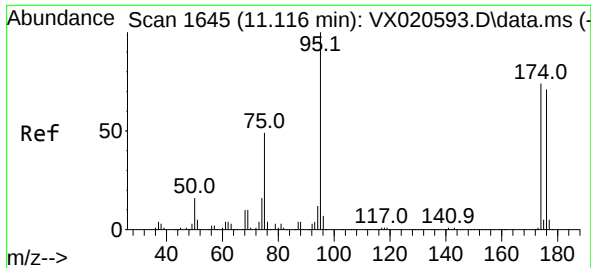
MMDadoda
1/15/2021 10:06:34 AM



#59
2-Hexanone
Concen: 4.06 ug/l
RT: 9.470 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

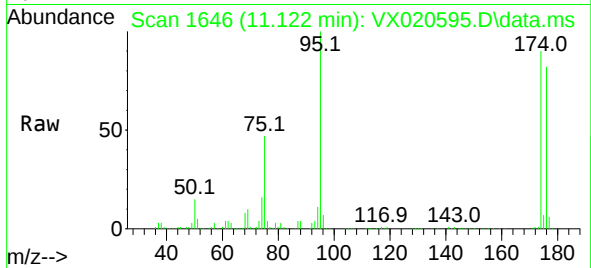
Tgt Ion: 43 Resp: 6856
Ion Ratio Lower Upper
43 100
58 58.8 30.9 92.8





#62
4-Bromofluorobenzene
Concen: 52.16 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

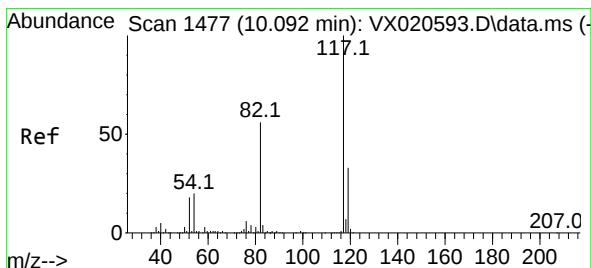
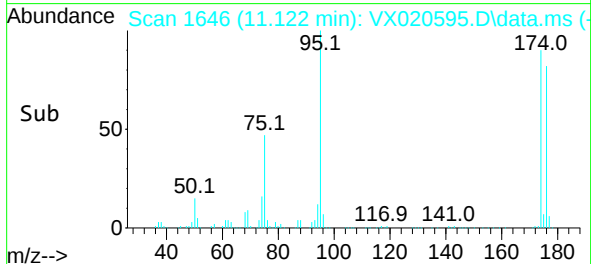
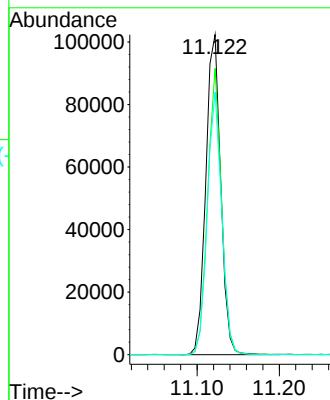
Instrument :
MSVOA_X
ClientSampled :
MW-6



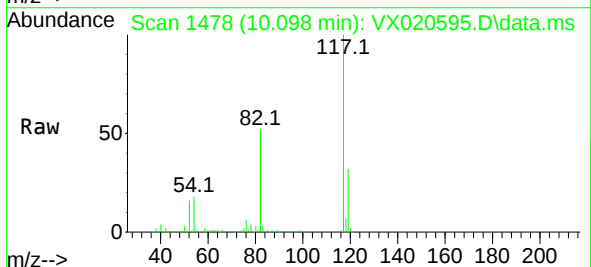
Tgt Ion: 95 Resp: 128813
Ion Ratio Lower Upper
95 100
174 83.9 0.0 154.6
176 79.2 0.0 155.8

Manual Integrations
APPROVED

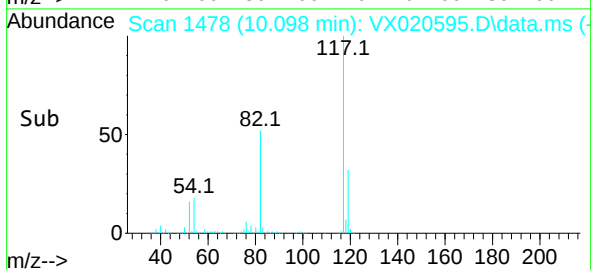
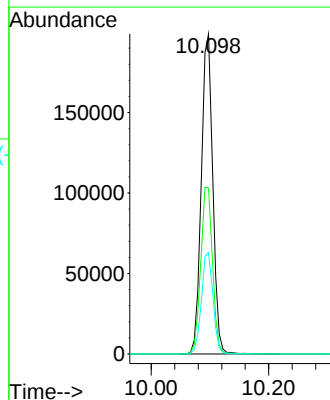
MMDadoda
1/15/2021 10:06:34 AM

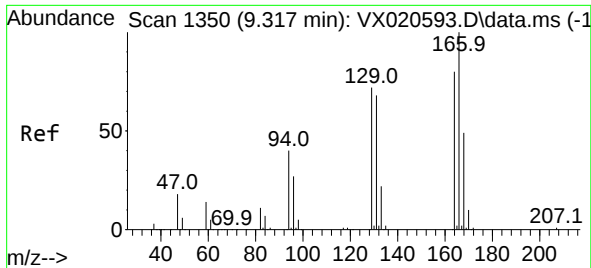


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51



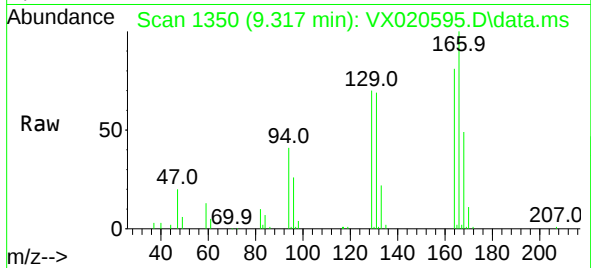
Tgt Ion: 117 Resp: 269363
Ion Ratio Lower Upper
117 100
82 51.9 47.4 71.2
119 31.7 26.6 39.8





#64
Tetrachloroethene
Concen: 6.88 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

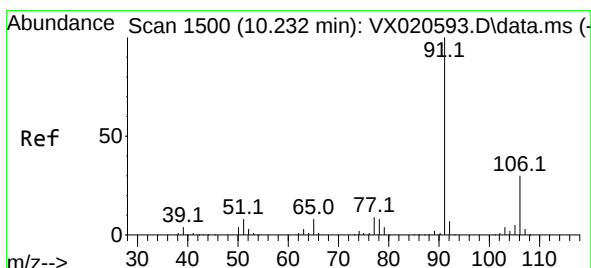
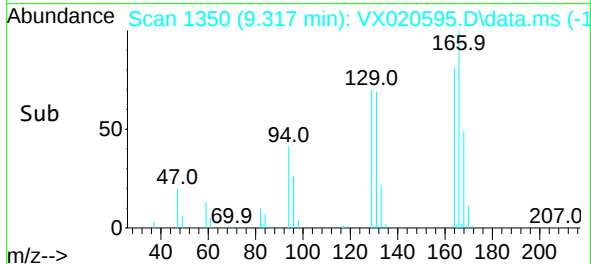
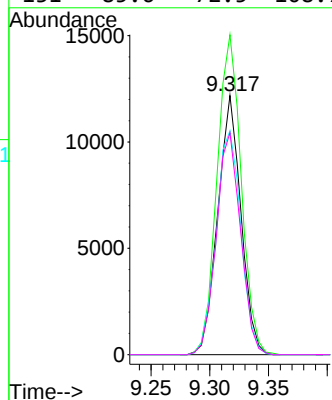
Instrument :
MSVOA_X
ClientSampled :
MW-6



Tgt Ion:164 Resp: 16747
Ion Ratio Lower Upper
164 100
166 123.5 103.4 155.2
129 86.5 70.8 106.2
131 85.6 72.5 108.7

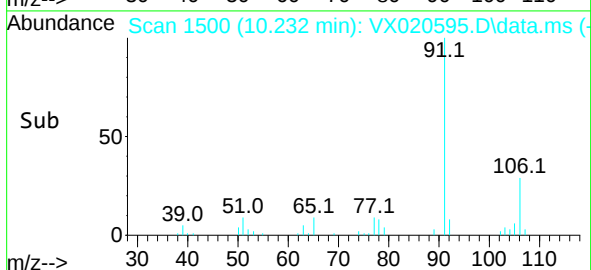
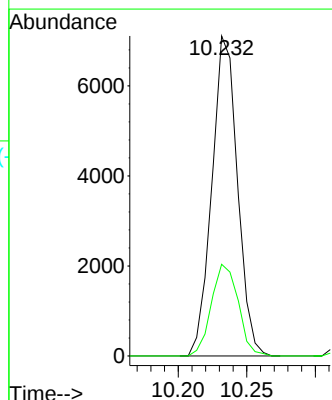
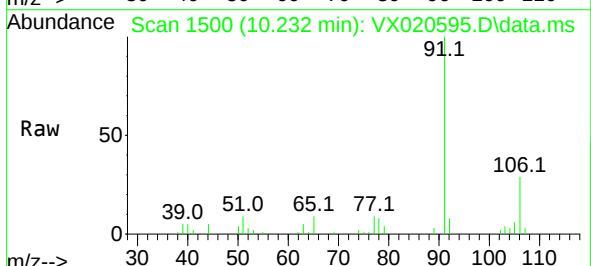
Manual Integrations
APPROVED

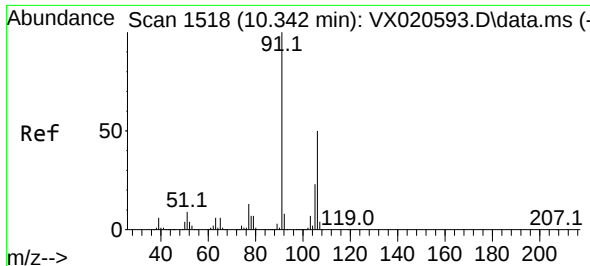
MMDadoda
1/15/2021 10:06:34 AM



#67
Ethyl Benzene
Concen: 0.99 ug/l
RT: 10.232 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

Tgt Ion: 91 Resp: 9239
Ion Ratio Lower Upper
91 100
106 28.7 24.6 37.0





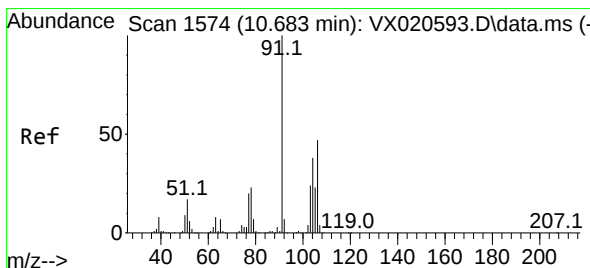
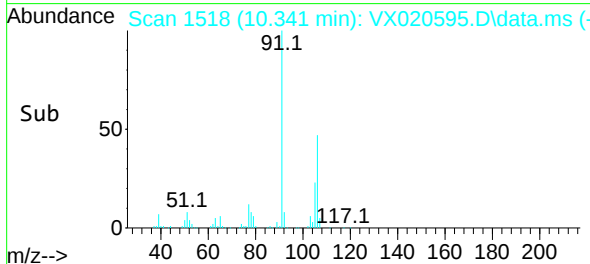
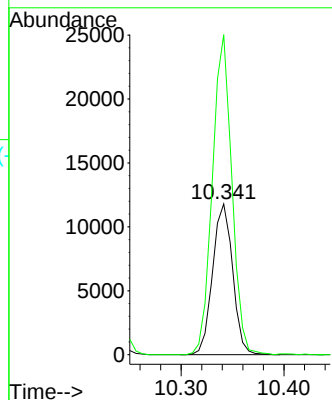
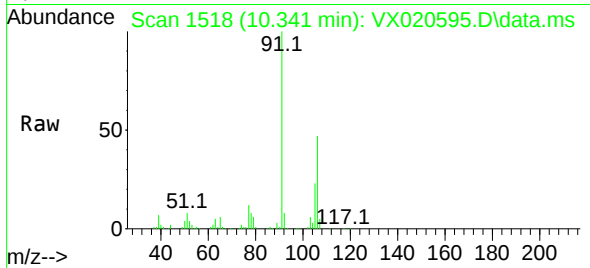
#68
m/p-Xylenes
Concen: 4.43 ug/l
RT: 10.341 min Scan# 1518
Delta R.T. -0.001 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

Tgt Ion:106 Resp: 15946
Ion Ratio Lower Upper
106 100
91 206.3 162.8 244.2

Instrument :
MSVOA_X
ClientSampled :
MW-6

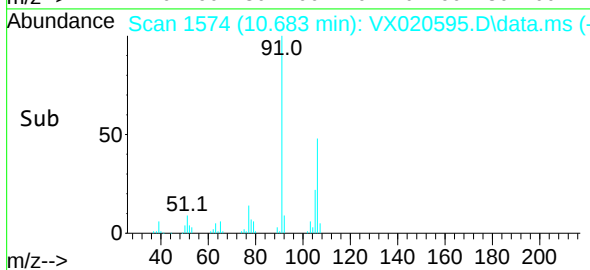
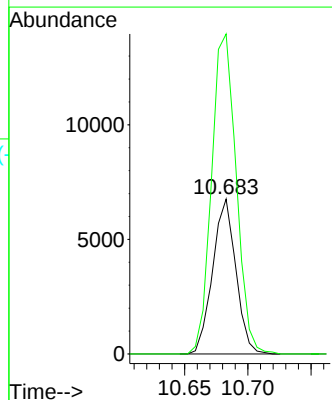
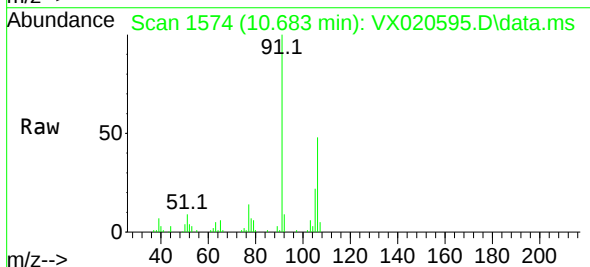
Manual Integrations
APPROVED

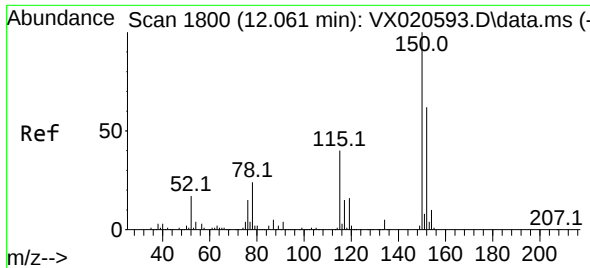
MMDadoda
1/15/2021 10:06:34 AM



#69
o-Xylene
Concen: 2.60 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. -0.000 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

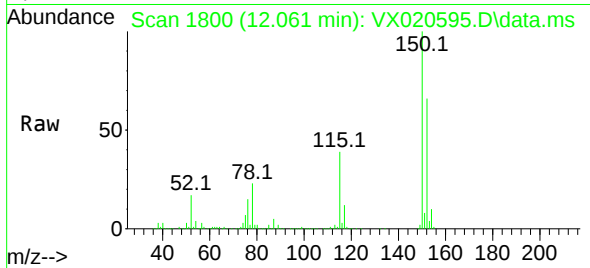
Tgt Ion:106 Resp: 8627
Ion Ratio Lower Upper
106 100
91 218.9 108.1 324.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

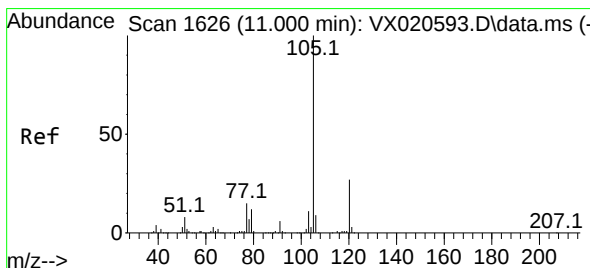
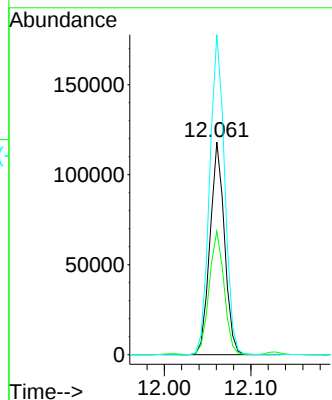
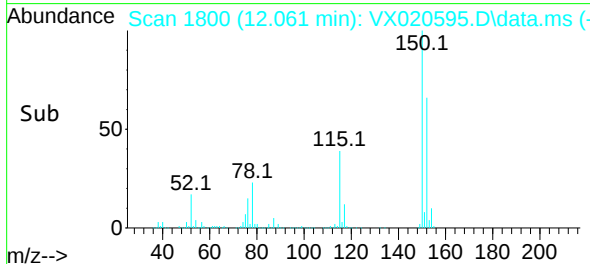
Instrument :
MSVOA_X
ClientSampled :
MW-6



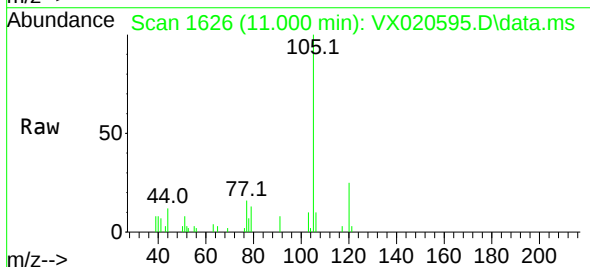
Tgt Ion:152 Resp: 137328
Ion Ratio Lower Upper
152 100
115 59.3 41.1 123.3
150 155.5 0.0 349.0

Manual Integrations
APPROVED

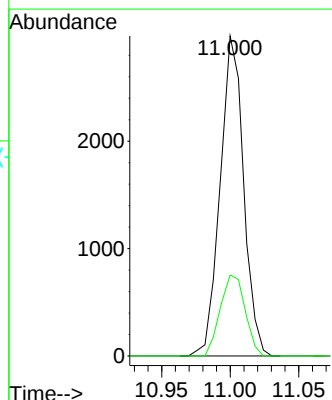
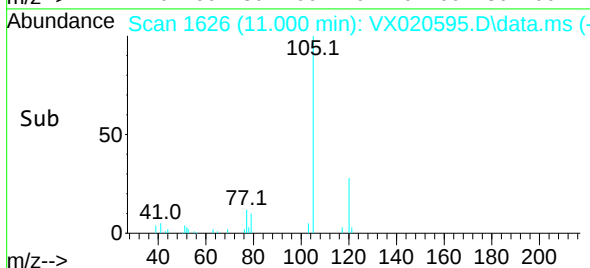
MMDadoda
1/15/2021 10:06:34 AM

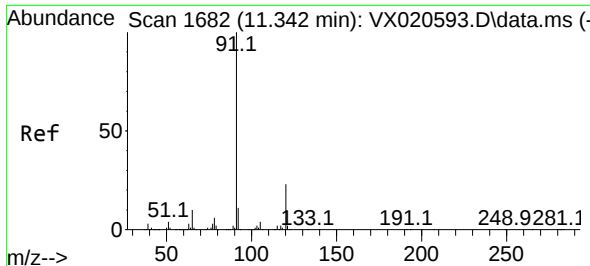


#73
Isopropylbenzene
Concen: 0.38 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51



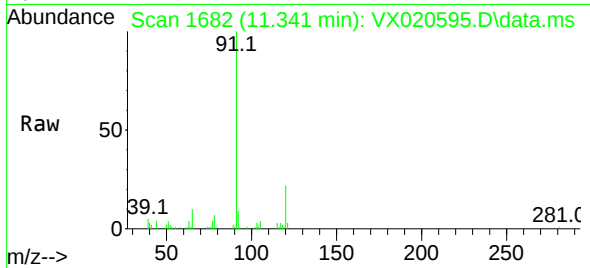
Tgt Ion:105 Resp: 3541
Ion Ratio Lower Upper
105 100
120 26.8 13.2 39.6





#78
n-propylbenzene
Concen: 1.10 ug/l
RT: 11.341 min Scan# 1682
Delta R.T. -0.001 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51

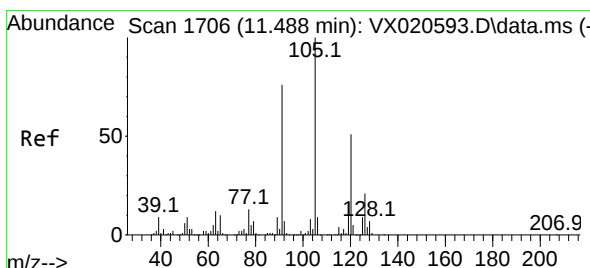
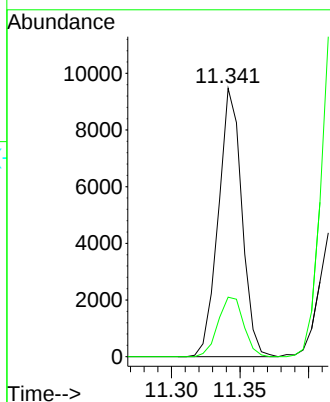
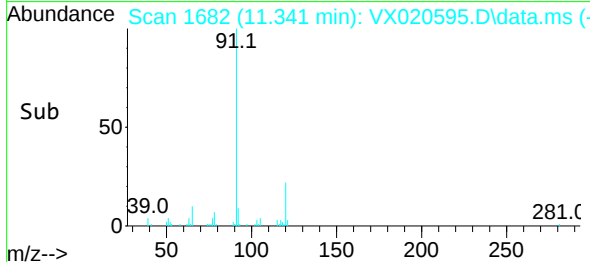
Instrument :
MSVOA_X
ClientSampled :
MW-6



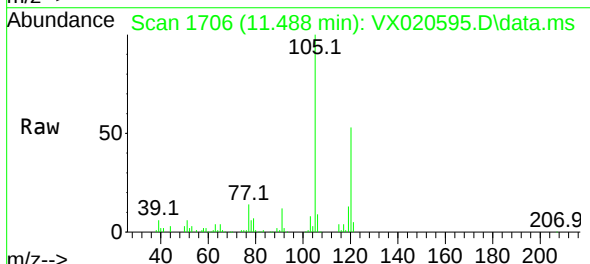
Tgt Ion: 91 Resp: 11288
Ion Ratio Lower Upper
91 100
120 24.2 11.5 34.5

Manual Integrations
APPROVED

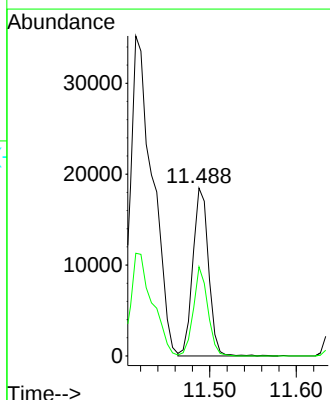
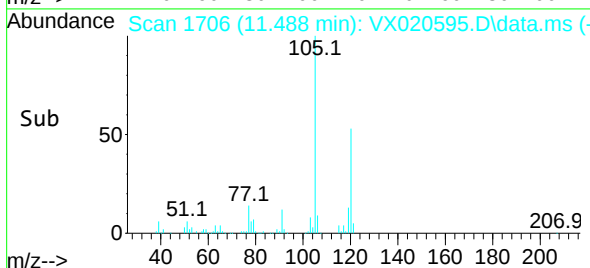
MMDadoda
1/15/2021 10:06:34 AM

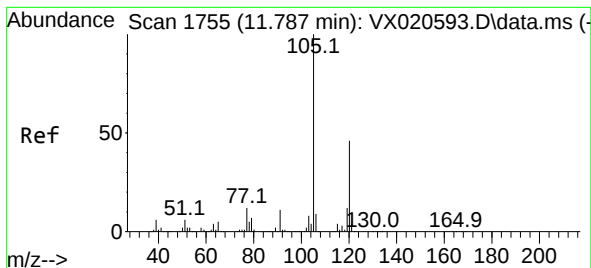


#80
1,3,5-Trimethylbenzene
Concen: 3.00 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51



Tgt Ion: 105 Resp: 23258
Ion Ratio Lower Upper
105 100
120 48.7 23.8 71.5





#84

1,2,4-Trimethylbenzene

Concen: 11.64 ug/l

RT: 11.792 min Scan# 1756

Delta R.T. 0.005 min

Lab File: VX020595.D

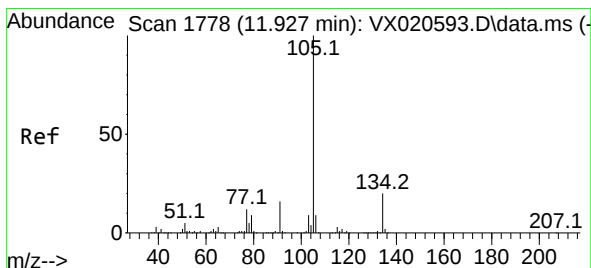
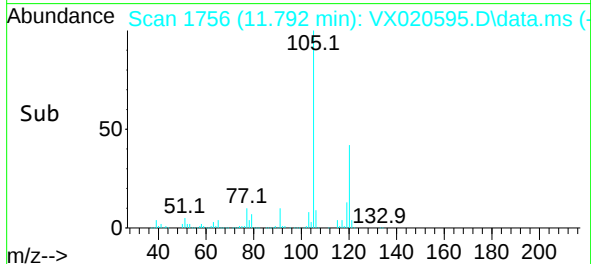
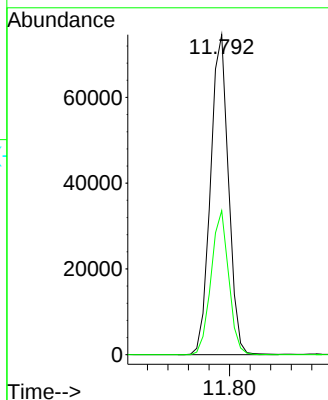
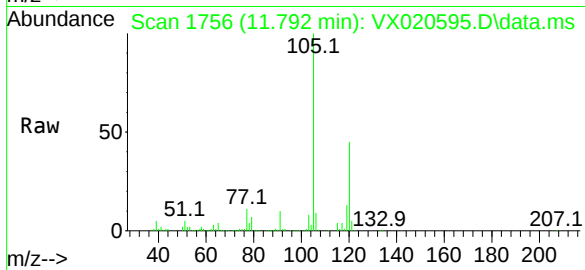
Acq: 13 Jan 2021 15:51

Tgt Ion:105 Resp: 90298

Ion Ratio Lower Upper

105 100

120 44.2 22.4 67.3



#85

sec-Butylbenzene

Concen: 0.69 ug/l

RT: 11.927 min Scan# 1778

Delta R.T. -0.000 min

Lab File: VX020595.D

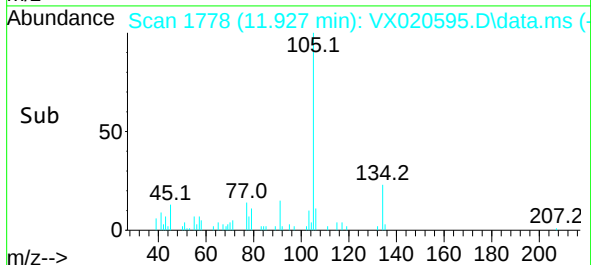
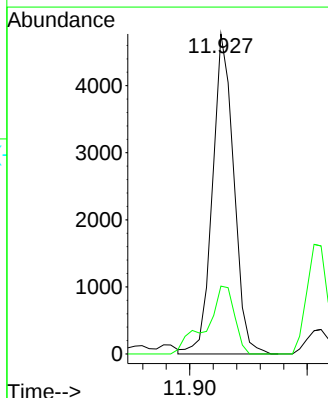
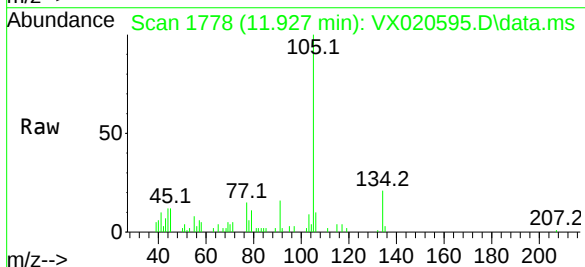
Acq: 13 Jan 2021 15:51

Tgt Ion:105 Resp: 6007

Ion Ratio Lower Upper

105 100

134 27.9 10.0 29.8



Instrument :

MSVOA_X

ClientSampleId :

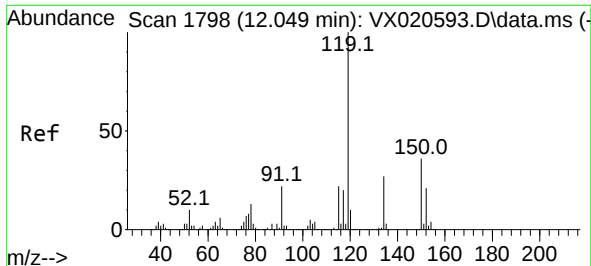
MW-6

Manual Integrations

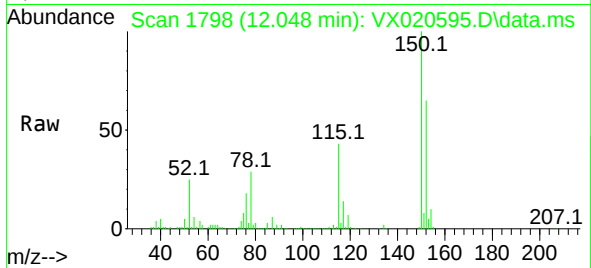
APPROVED

MMDadoda

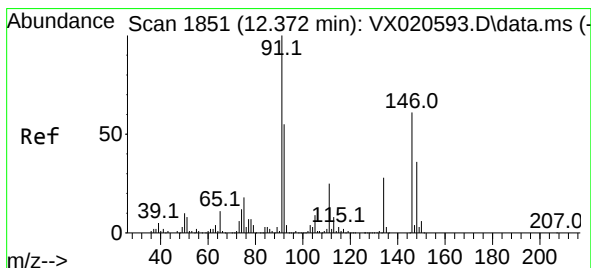
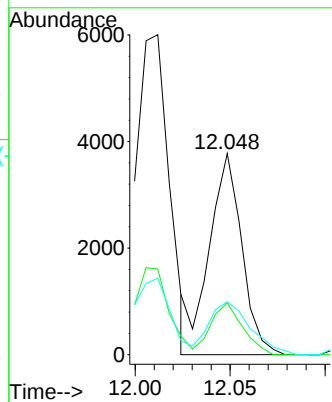
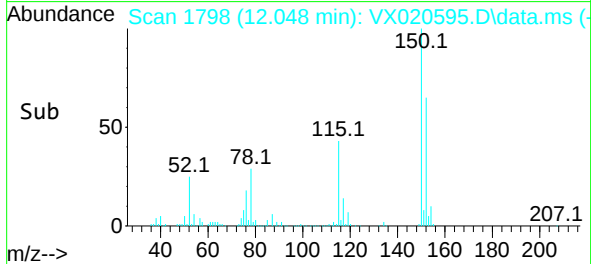
1/15/2021 10:06:34 AM



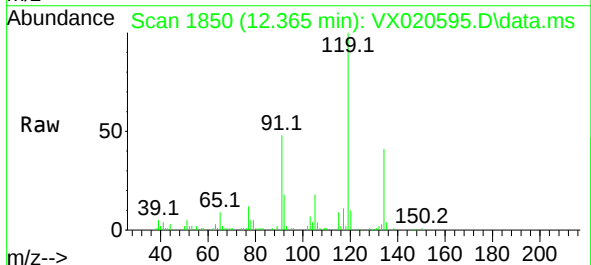
#86
p-Isopropyltoluene
Concen: 0.55 ug/l m
RT: 12.048 min Scan# 1798
Delta R.T. -0.001 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51



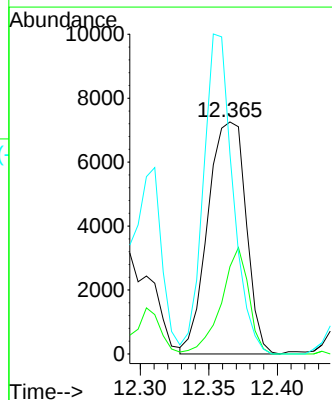
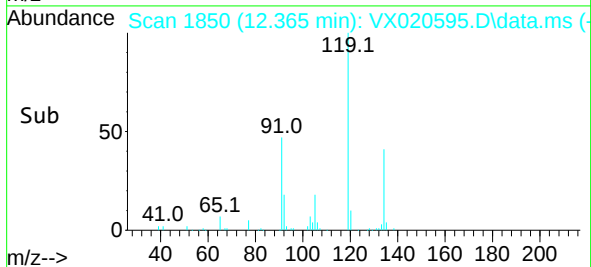
Tgt Ion: 119 Resp: 4453
Ion Ratio Lower Upper
119 100
134 46.6 12.9 38.7#
91 46.0 11.7 35.0#



#89
n-Butylbenzene
Concen: 2.01 ug/l
RT: 12.365 min Scan# 1850
Delta R.T. -0.007 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51



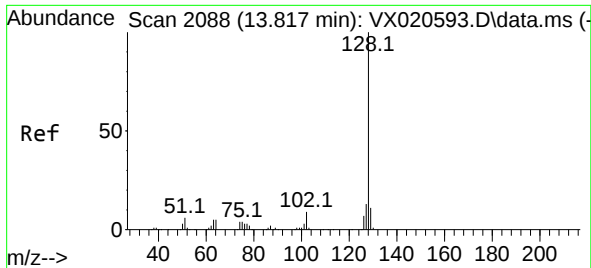
Tgt Ion: 91 Resp: 14052
Ion Ratio Lower Upper
91 100
92 32.9 27.4 82.0
134 106.0 13.2 39.5#



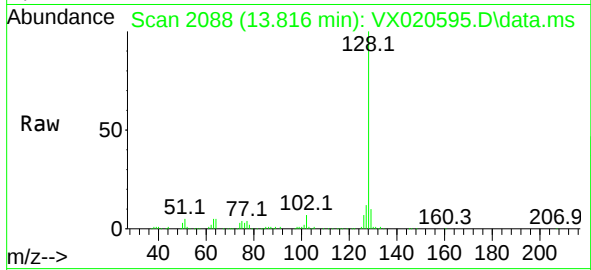
Instrument :
MSVOA_X
ClientSampled :
MW-6

Manual Integrations
APPROVED

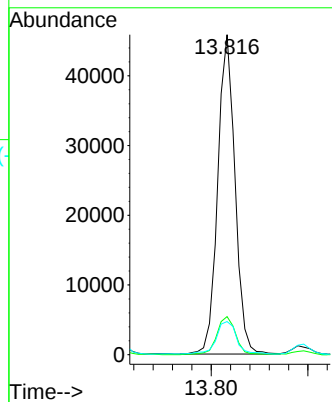
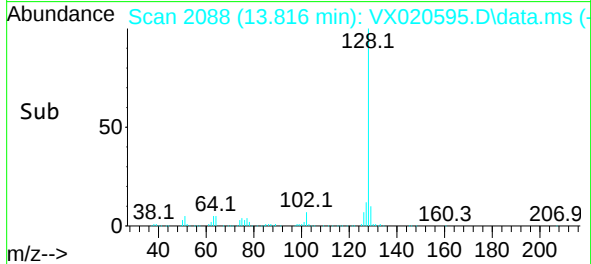
MMDadoda
1/15/2021 10:06:34 AM



#95
Naphthalene
Concen: 9.00 ug/l
RT: 13.816 min Scan# 2088
Delta R.T. -0.001 min
Lab File: VX020595.D
Acq: 13 Jan 2021 15:51



Tgt Ion:128 Resp: 56709
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.9 8.8 13.2



Instrument :
MSVOA_X
ClientSampleId :
MW-6

Manual Integrations
APPROVED

MMDadoda
1/15/2021 10:06:34 AM