

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
 Data File : VD068714.D
 Acq On : 29 Mar 2021 22:44
 Operator : VA/SY
 Sample : M1836-05
 Misc : 6.18G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B3-0-2

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 7:23:41 PM

Quant Time: Mar 30 01:09:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	732767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1274411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	1264104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	610678	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	341454	46.21	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.42%		
35) Dibromofluoromethane	7.920	113	387939	48.93	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.86%		
50) Toluene-d8	10.344	98	1600511	52.35	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.70%		
62) 4-Bromofluorobenzene	12.632	95	601256	60.66	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	121.32%		
Target Compounds					Qvalue	
16) Acetone	4.138	43	100406	112.01	ug/l #	56
31) Cyclohexane	7.973	56	500093	41.95	ug/l #	75
39) Methylcyclohexane	9.355	83	558046	39.72	ug/l #	79
40) Benzene	8.350	78	1486139	44.75	ug/l	96
52) Toluene	10.408	92	5579900	265.50	ug/l	95
64) Tetrachloroethene	10.873	164	42493	5.19	ug/l	96
67) Ethyl Benzene	11.743	91	3049036	70.25	ug/l	98
68) m/p-Xylenes	11.849	106	4048372	239.42	ug/l	97
69) o-Xylene	12.179	106	1148263	73.27	ug/l	99
73) Isopropylbenzene	12.479	105	233132	5.56	ug/l	100
78) n-propylbenzene	12.820	91	810789	16.23	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	807595	23.80	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	2454785	70.03	ug/l	98
89) n-Butylbenzene	13.837	91	80706	2.22	ug/l #	74
95) Naphthalene	15.396	128	311418	16.42	ug/l	99

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

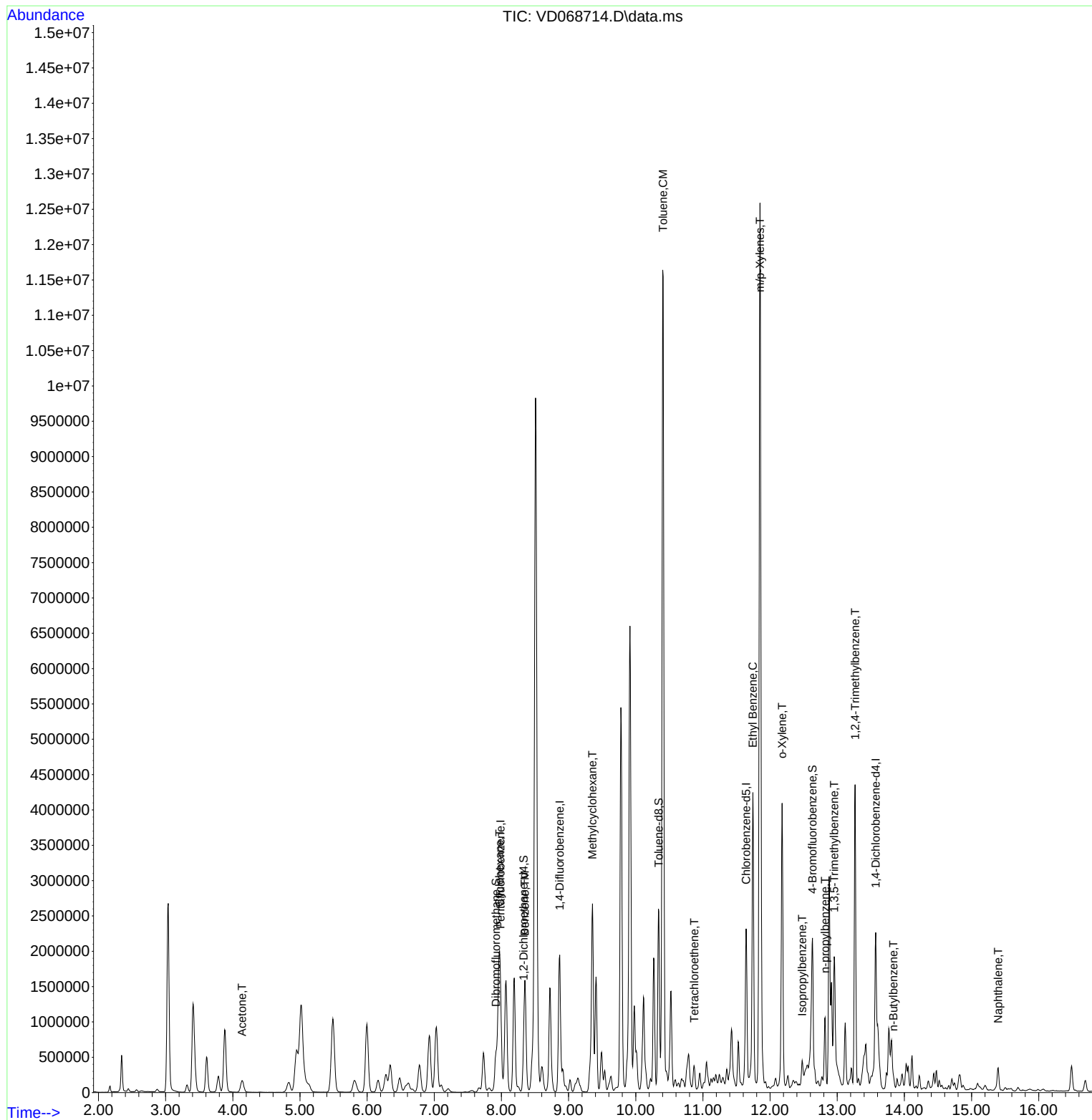
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068714.D
Acq On : 29 Mar 2021 22:44
Operator : VA/SY
Sample : M1836-05
Misc : 6.18G/5.00ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

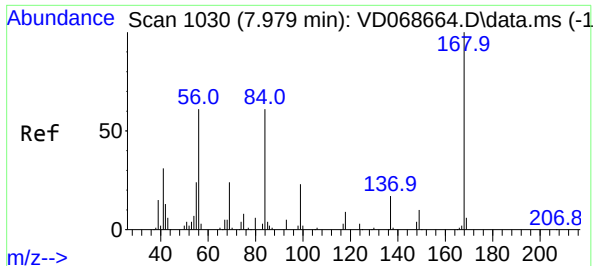
Instrument :
MSVOA_D
ClientSampleId :
B3-0-2

Manual Integrations
APPROVED

MMDadoda
3/30/2021 7:23:41 PM

Quant Time: Mar 30 01:09:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 20 02:00:55 2021
Response via : Initial Calibration





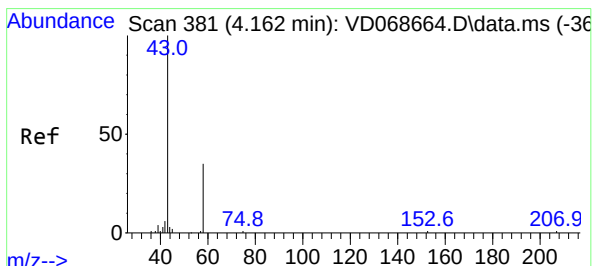
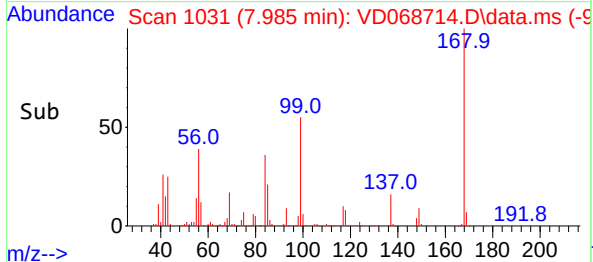
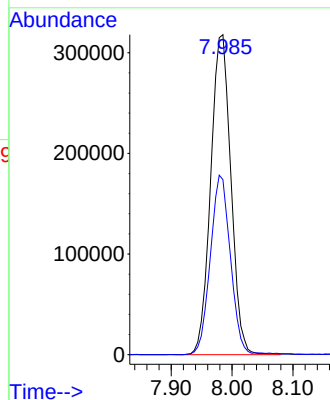
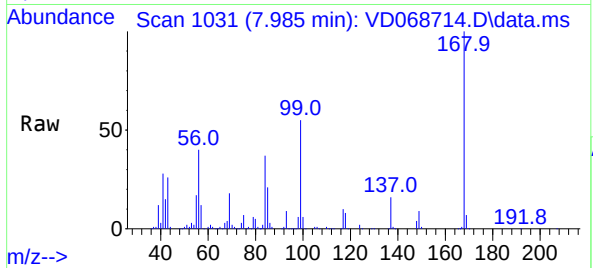
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

Tgt Ion:168 Resp: 732767
Ion Ratio Lower Upper
168 100
99 54.7 46.2 69.2

Instrument :
MSVOA_D
ClientSampled :
B3-0-2

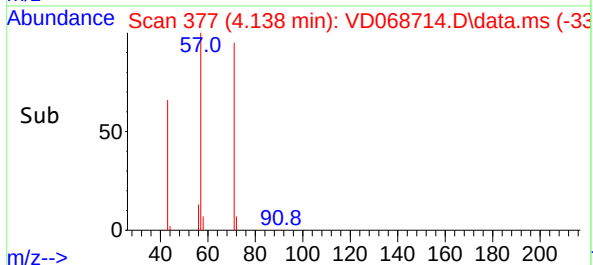
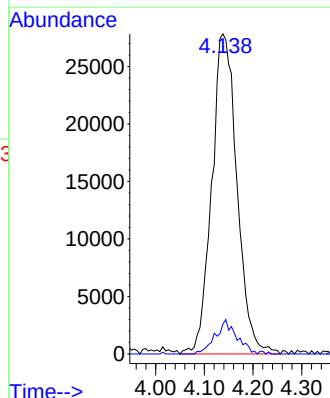
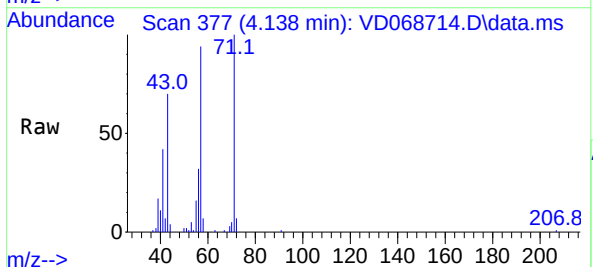
Manual Integrations
APPROVED

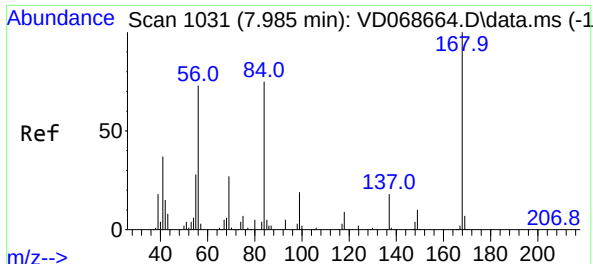
MMDadoda
3/30/2021 7:23:41 PM



#16
Acetone
Concen: 112.01 ug/l
RT: 4.138 min Scan# 377
Delta R.T. -0.024 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

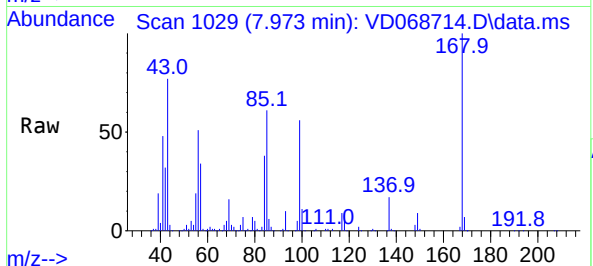
Tgt Ion: 43 Resp: 100406
Ion Ratio Lower Upper
43 100
58 9.3 28.0 42.0#





#31
Cyclohexane
Concen: 41.95 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

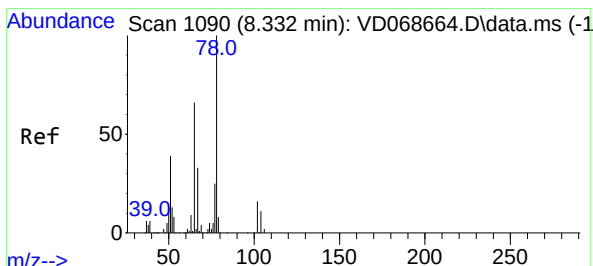
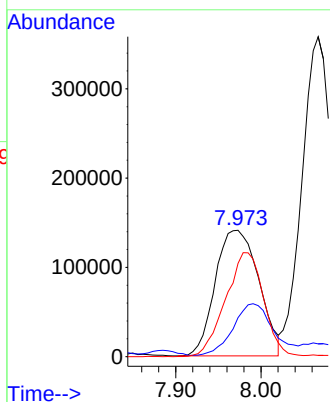
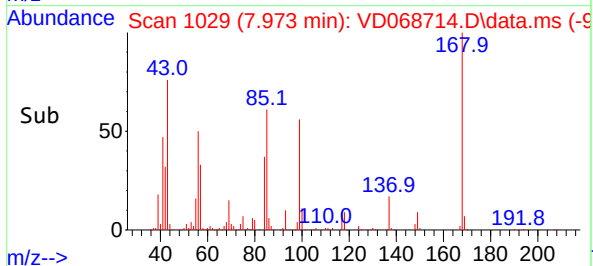
Instrument :
MSVOA_D
ClientSampleId :
B3-0-2



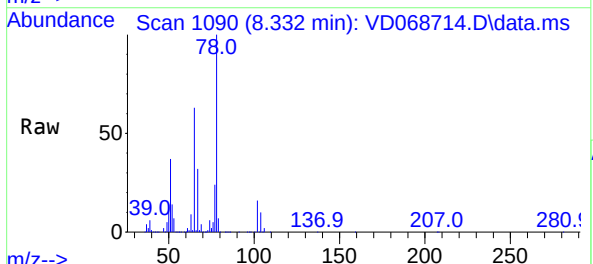
Tgt Ion: 56 Resp: 500093
Ion Ratio Lower Upper
56 100
69 28.4 30.0 45.0#
84 74.2 82.0 123.0#

Manual Integrations
APPROVED

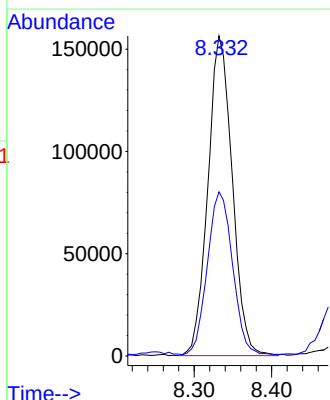
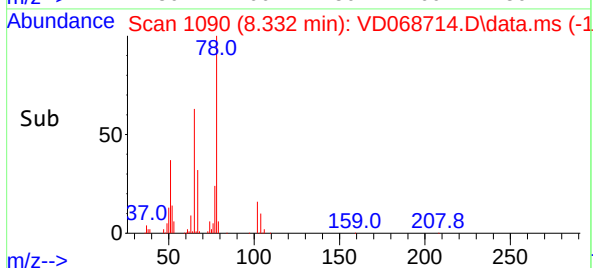
MMDadoda
3/30/2021 7:23:41 PM

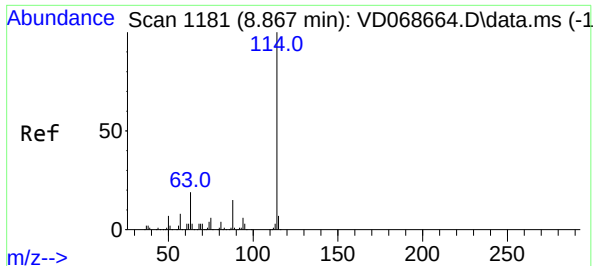


#33
1,2-Dichloroethane-d4
Concen: 46.21 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

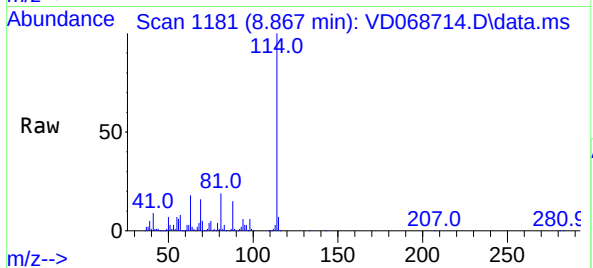


Tgt Ion: 65 Resp: 341454
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.0



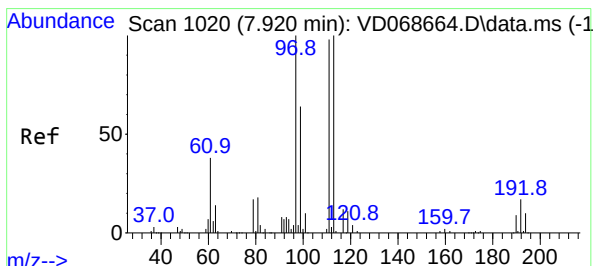
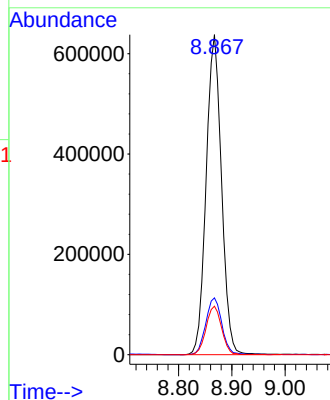
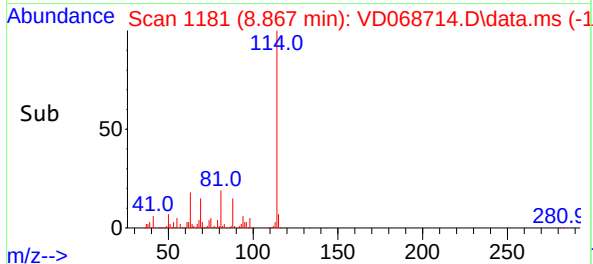


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

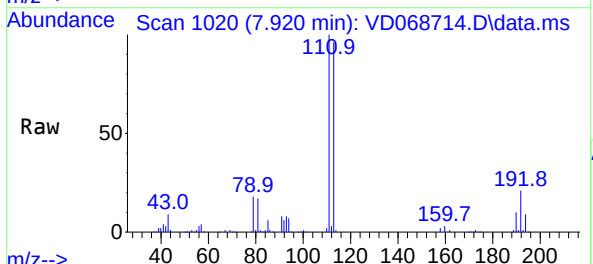


Tgt Ion:114 Resp: 1274411

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	38.2
88	15.2	0.0	29.4

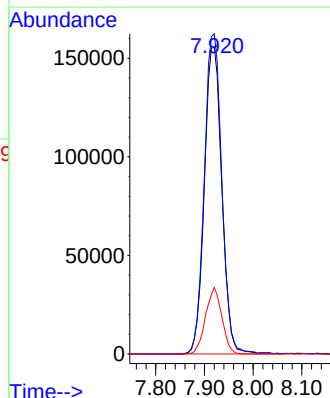
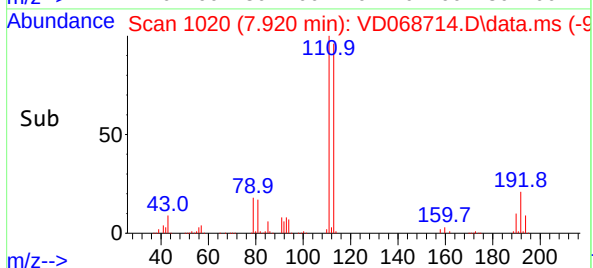


#35
Dibromofluoromethane
Concen: 48.93 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44



Tgt Ion:113 Resp: 387939

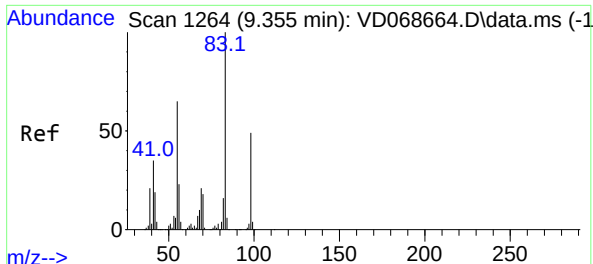
Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.5	123.7
192	20.1	15.1	22.7



Instrument :
MSVOA_D
ClientSampleId :
B3-0-2

Manual Integrations
APPROVED

MMDadoda
3/30/2021 7:23:41 PM



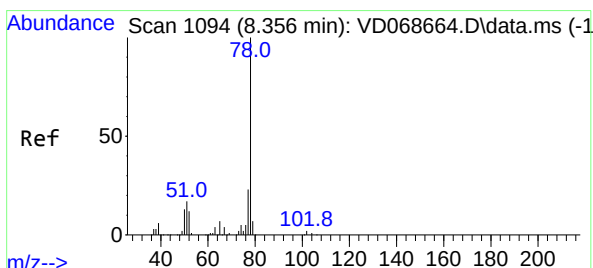
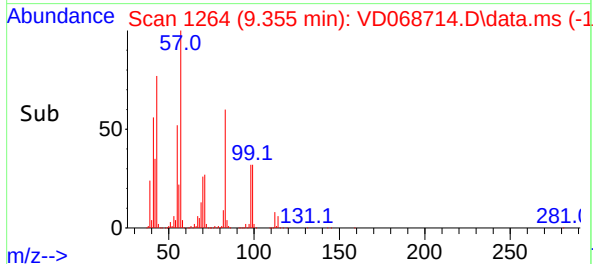
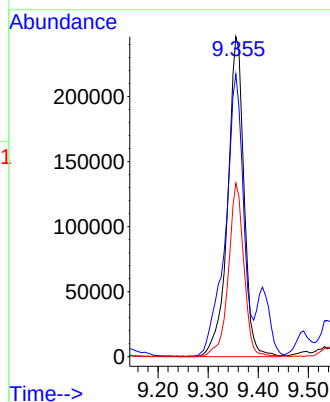
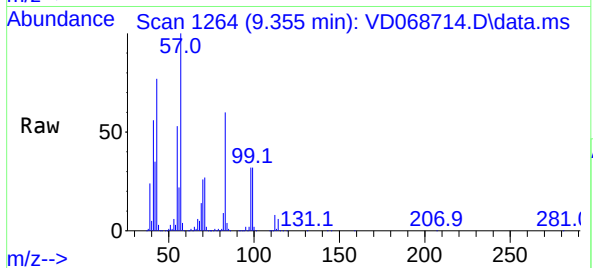
#39
Methylcyclohexane
Concen: 39.72 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

Tgt Ion: 83 Resp: 558046
Ion Ratio Lower Upper
83 100
55 88.1 51.7 77.5#
98 54.2 38.8 58.2

Instrument :
MSVOA_D
ClientSampleId :
B3-0-2

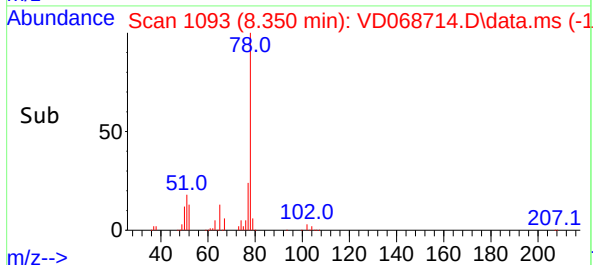
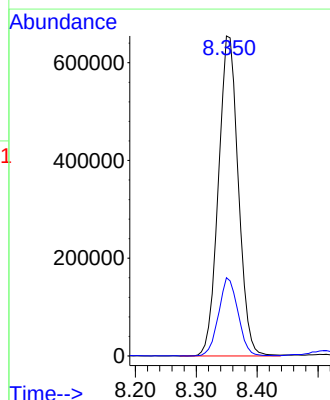
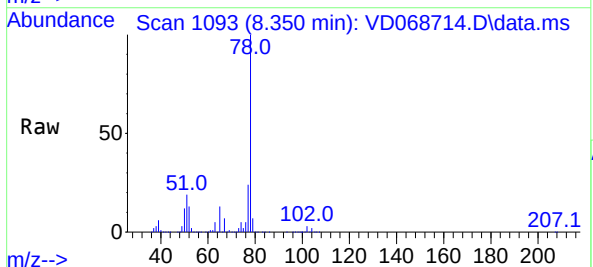
Manual Integrations
APPROVED

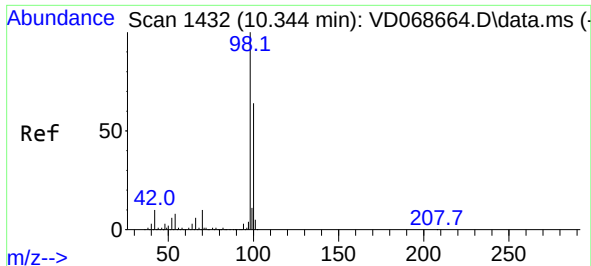
MMDadoda
3/30/2021 7:23:41 PM



#40
Benzene
Concen: 44.75 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. -0.006 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

Tgt Ion: 78 Resp: 1486139
Ion Ratio Lower Upper
78 100
77 24.4 18.2 27.2





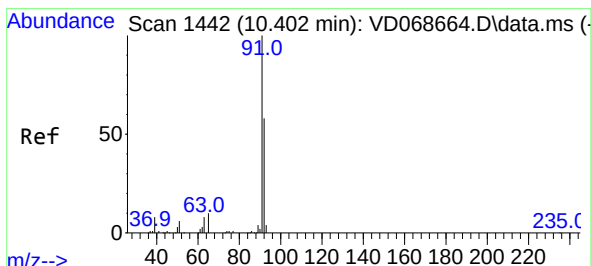
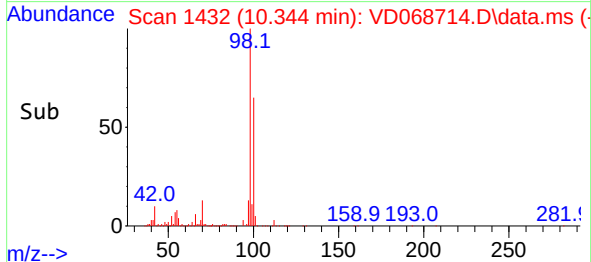
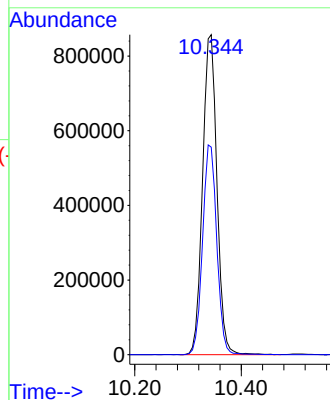
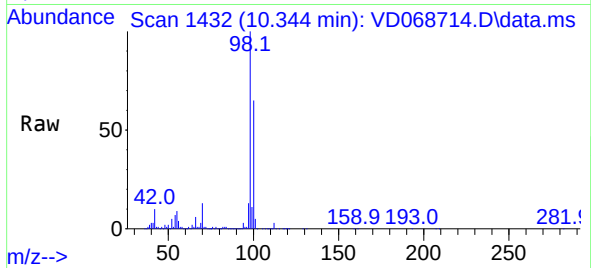
#50
Toluene-d8
Concen: 52.35 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

Tgt Ion: 98 Resp: 1600511
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6

Instrument :
MSVOA_D
ClientSampleId :
B3-0-2

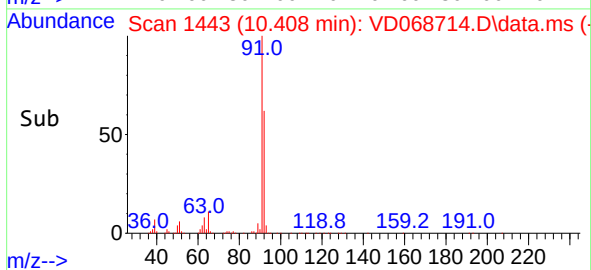
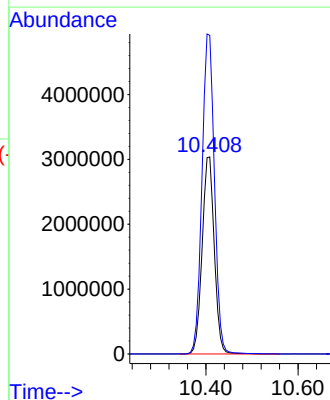
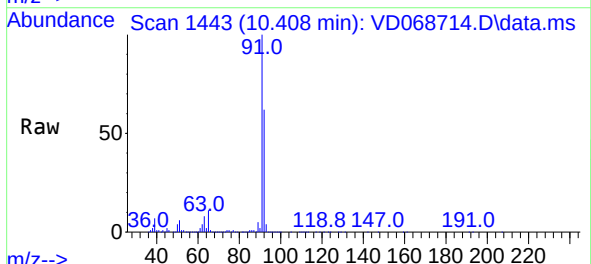
Manual Integrations
APPROVED

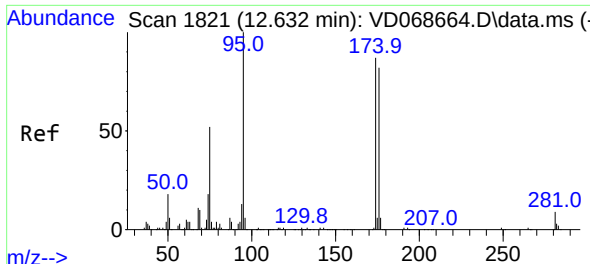
MMDadoda
3/30/2021 7:23:41 PM



#52
Toluene
Concen: 265.50 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

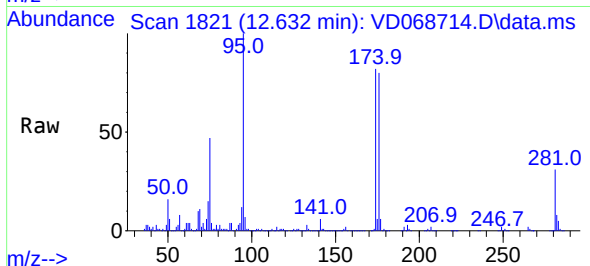
Tgt Ion: 92 Resp: 5579900
Ion Ratio Lower Upper
92 100
91 166.7 139.1 208.7





#62
4-Bromofluorobenzene
Concen: 60.66 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

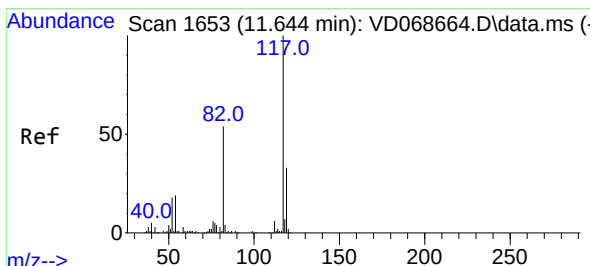
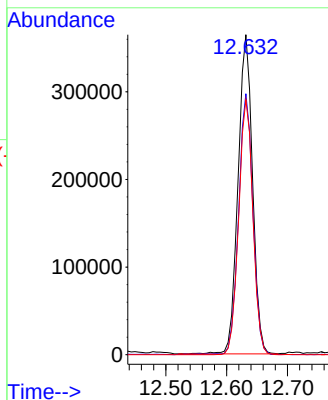
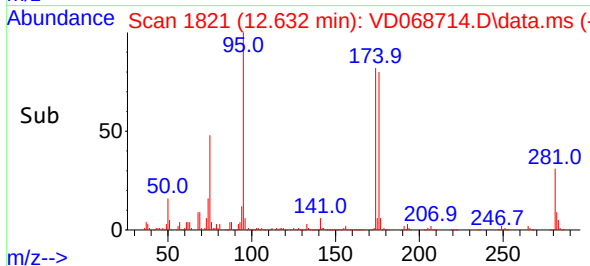
Instrument :
MSVOA_D
ClientSampled :
B3-0-2



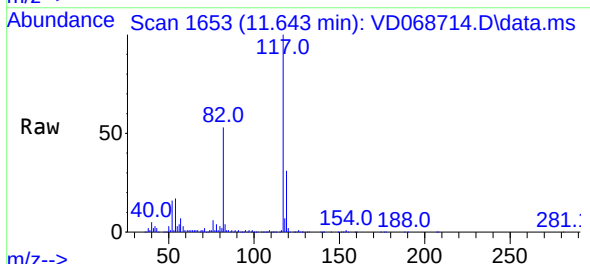
Tgt Ion: 95 Resp: 601256
Ion Ratio Lower Upper
95 100
174 80.8 0.0 168.0
176 78.4 0.0 160.2

Manual Integrations
APPROVED

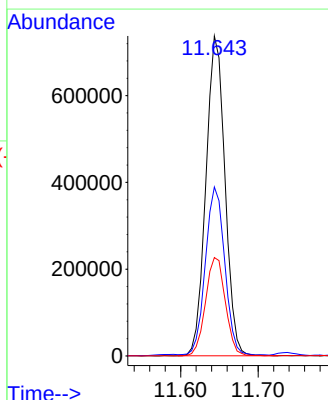
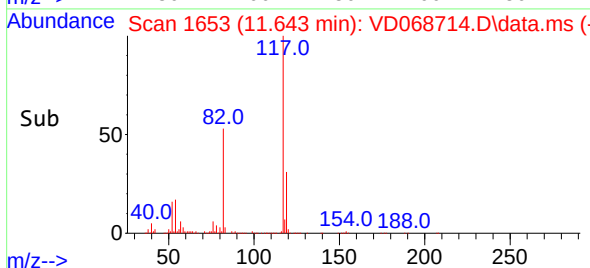
MMDadoda
3/30/2021 7:23:41 PM

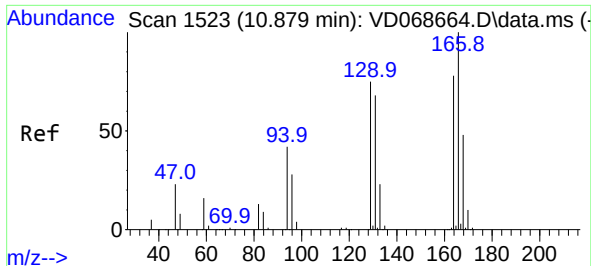


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44



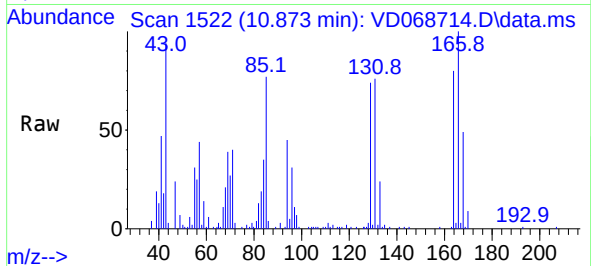
Tgt Ion: 117 Resp: 1264104
Ion Ratio Lower Upper
117 100
82 52.4 43.5 65.3
119 30.7 26.7 40.1





#64
Tetrachloroethene
Concen: 5.19 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.006 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

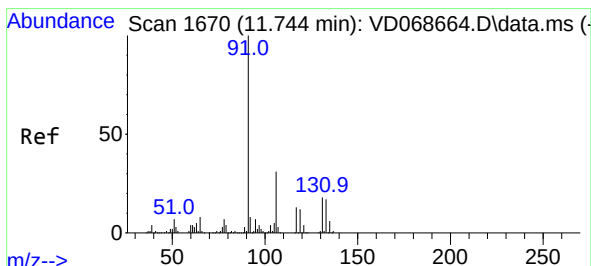
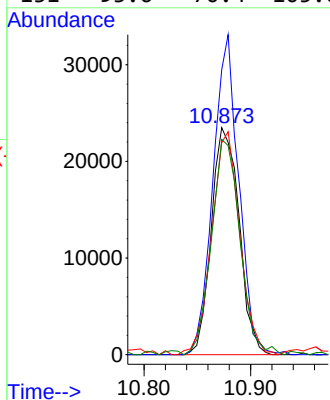
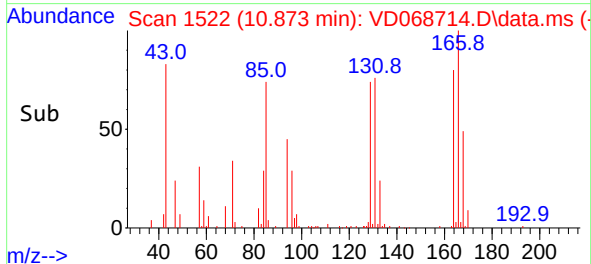
Instrument :
MSVOA_D
ClientSampleId :
B3-0-2



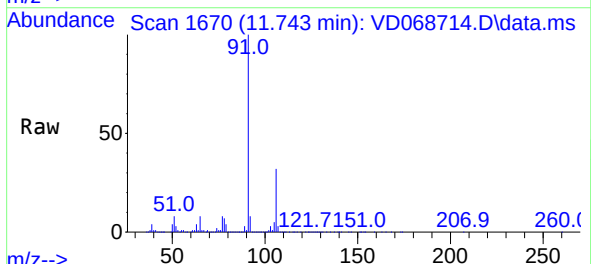
Tgt Ion:164 Resp: 42493
Ion Ratio Lower Upper
164 100
166 125.5 103.0 154.6
129 93.3 77.4 116.0
131 93.6 70.4 105.6

Manual Integrations
APPROVED

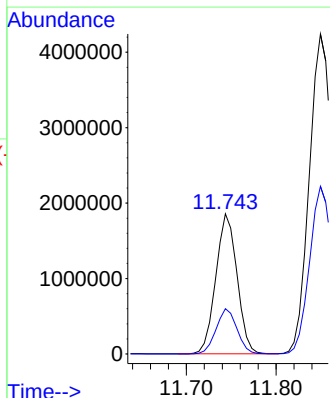
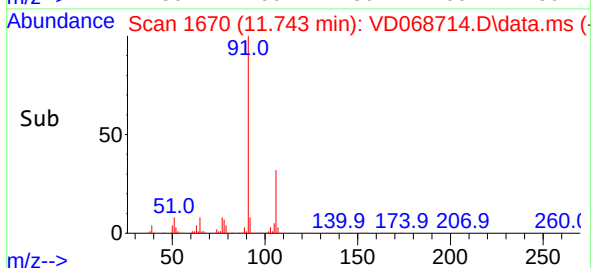
MMDadoda
3/30/2021 7:23:41 PM

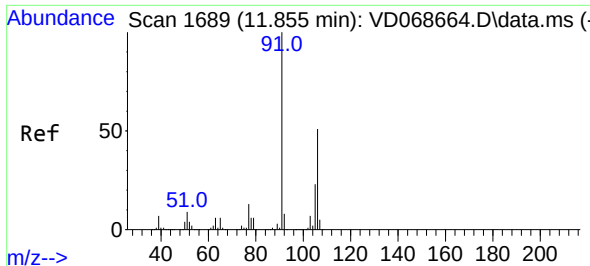


#67
Ethyl Benzene
Concen: 70.25 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44



Tgt Ion: 91 Resp: 3049036
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7





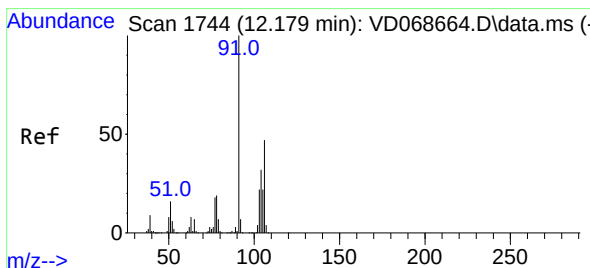
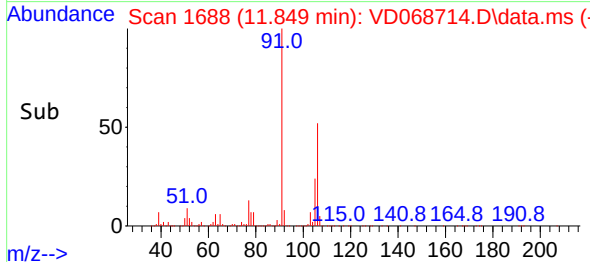
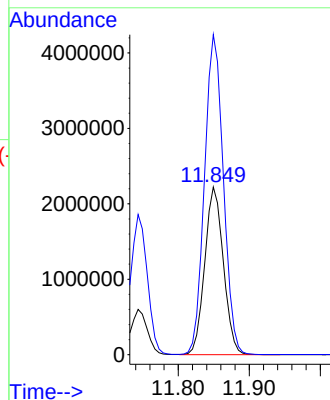
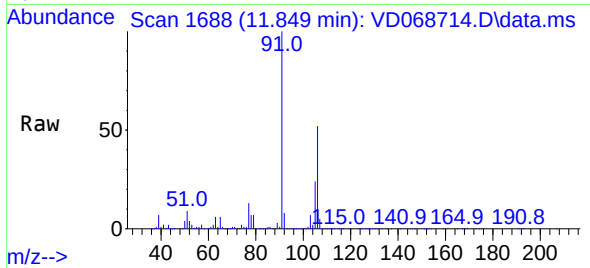
#68
m/p-Xylenes
Concen: 239.42 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

Tgt Ion:106 Resp: 4048372
Ion Ratio Lower Upper
106 100
91 193.5 158.6 238.0

Instrument :
MSVOA_D
ClientSampleId :
B3-0-2

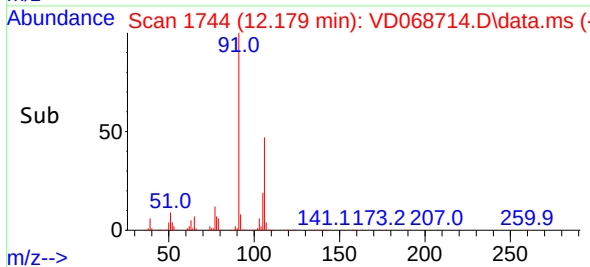
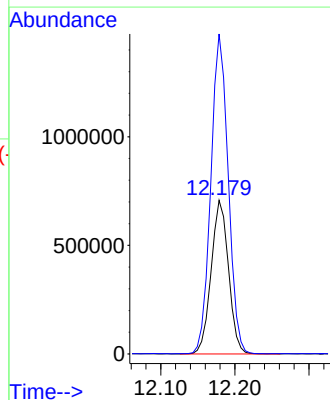
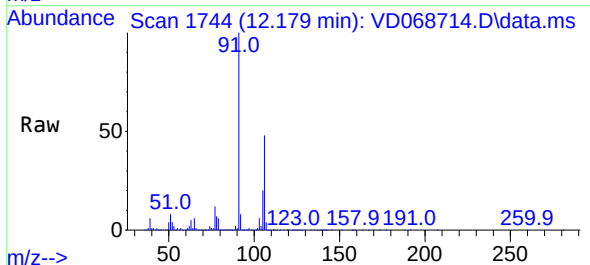
Manual Integrations
APPROVED

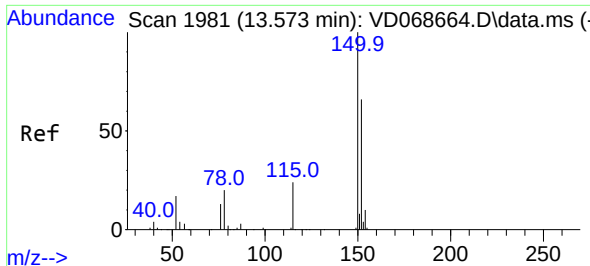
MMDadoda
3/30/2021 7:23:41 PM



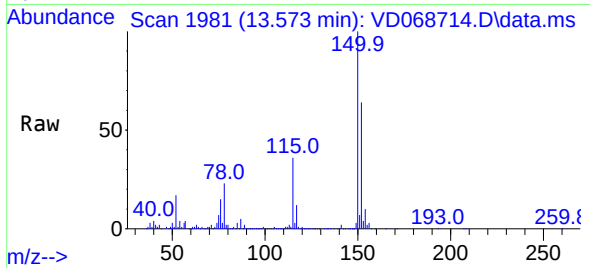
#69
o-Xylene
Concen: 73.27 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

Tgt Ion:106 Resp: 1148263
Ion Ratio Lower Upper
106 100
91 208.5 105.0 315.0

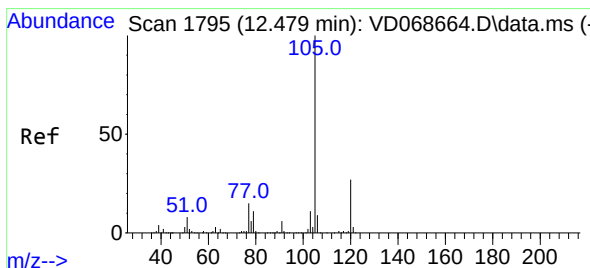
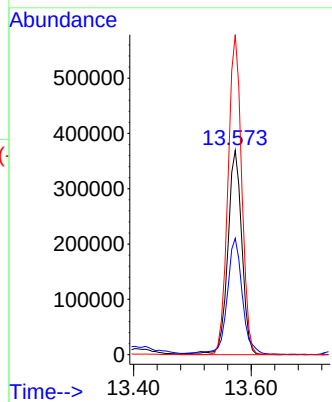
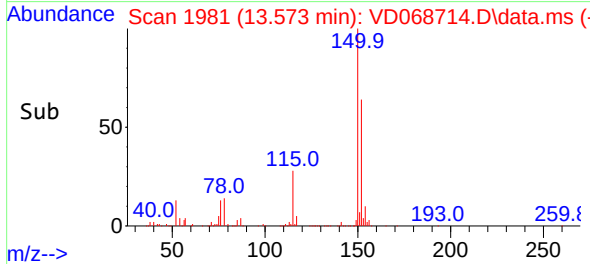




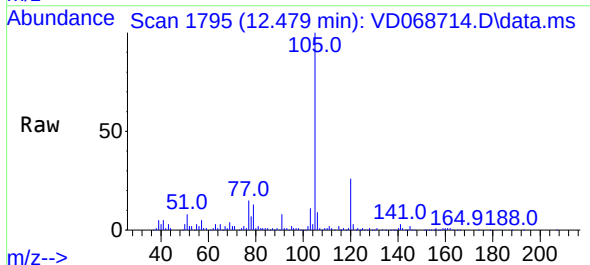
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44



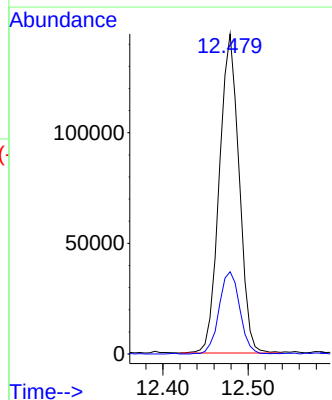
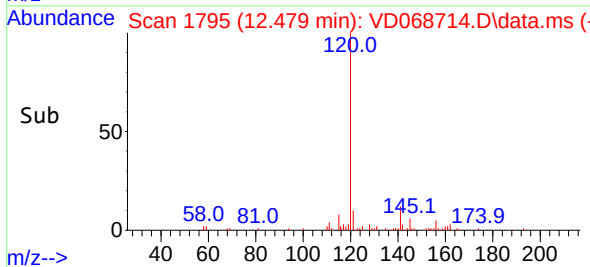
Tgt Ion:152 Resp: 610678
Ion Ratio Lower Upper
152 100
115 61.9 29.3 87.8
150 152.8 0.0 347.6



#73
Isopropylbenzene
Concen: 5.56 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44



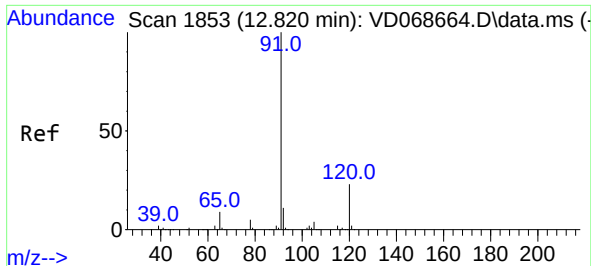
Tgt Ion:105 Resp: 233132
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2



Instrument :
MSVOA_D
ClientSampled :
B3-0-2

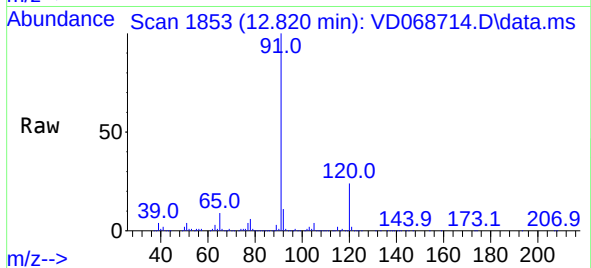
Manual Integrations
APPROVED

MMDadoda
3/30/2021 7:23:41 PM



#78
n-propylbenzene
Concen: 16.23 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

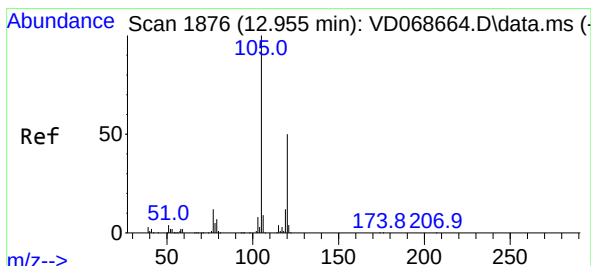
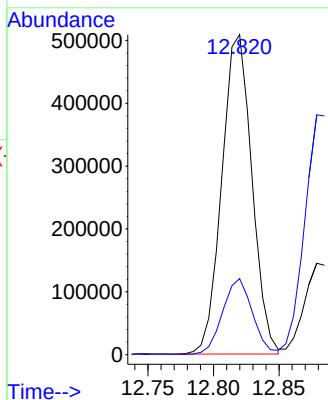
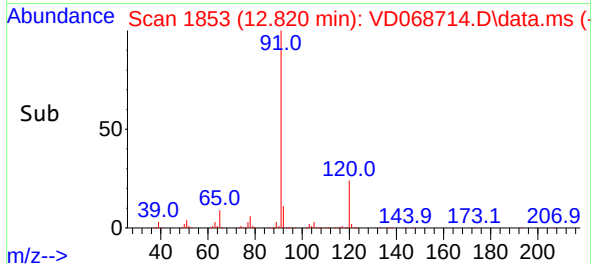
Instrument :
MSVOA_D
ClientSampleId :
B3-0-2



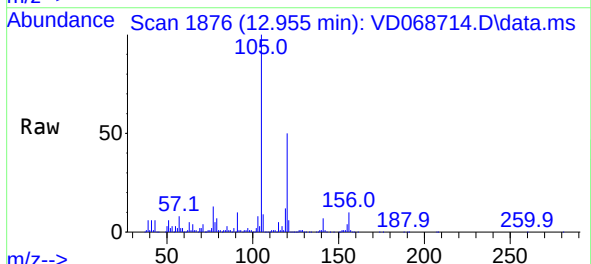
Tgt Ion: 91 Resp: 810789
Ion Ratio Lower Upper
91 100
120 23.5 11.4 34.2

Manual Integrations
APPROVED

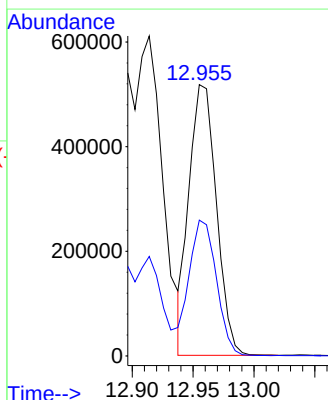
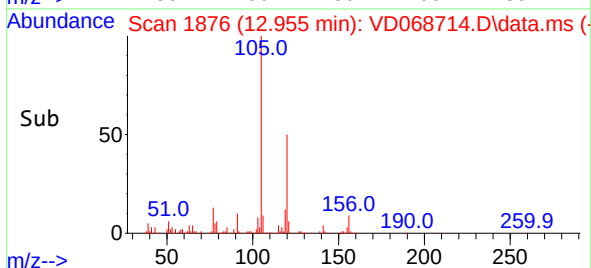
MMDadoda
3/30/2021 7:23:41 PM

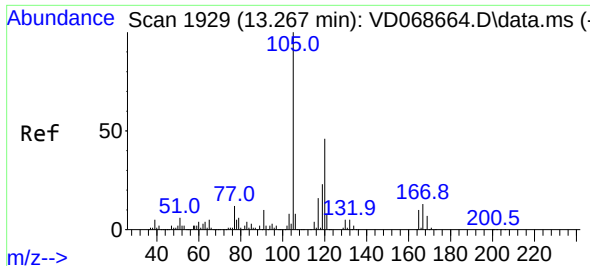


#80
1,3,5-Trimethylbenzene
Concen: 23.80 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44



Tgt Ion: 105 Resp: 807595
Ion Ratio Lower Upper
105 100
120 52.1 24.9 74.7





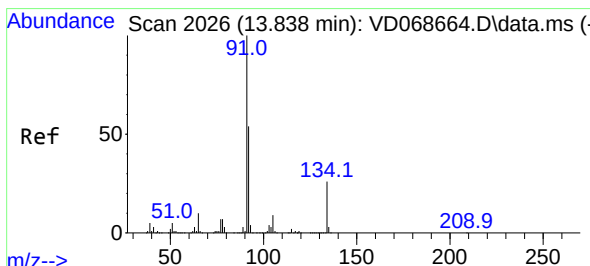
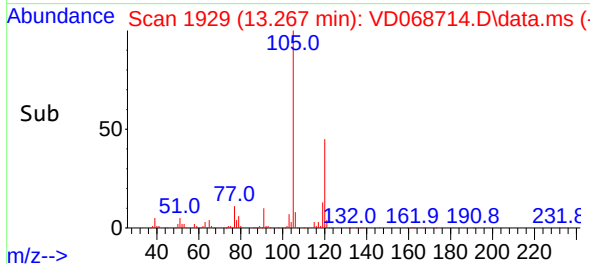
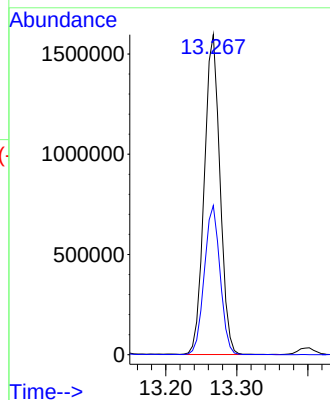
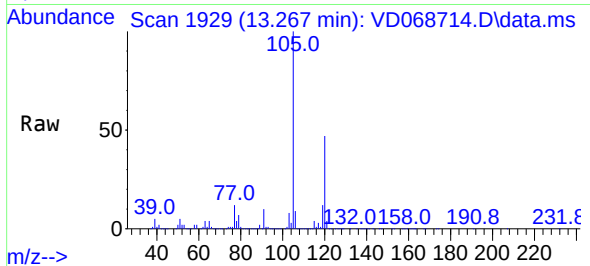
#84
1,2,4-Trimethylbenzene
Concen: 70.03 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

Tgt Ion:105 Resp: 2454785
Ion Ratio Lower Upper
105 100
120 46.6 22.6 67.7

Instrument :
MSVOA_D
ClientSampleId :
B3-0-2

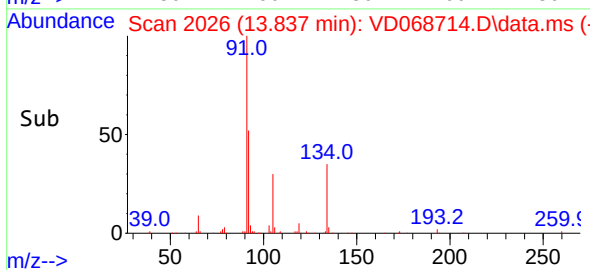
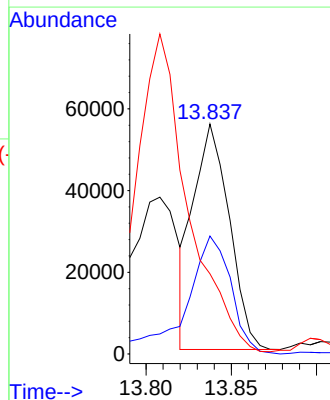
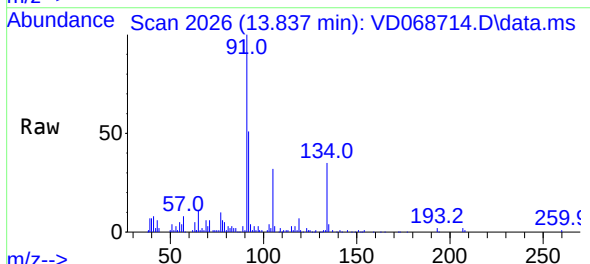
Manual Integrations
APPROVED

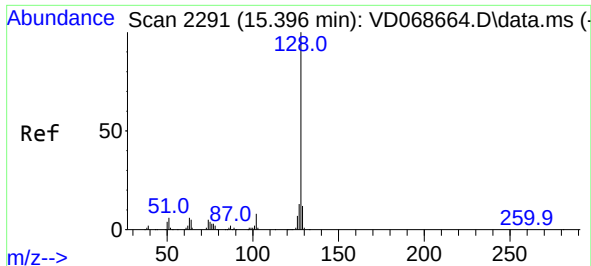
MMDadoda
3/30/2021 7:23:41 PM



#89
n-Butylbenzene
Concen: 2.22 ug/l
RT: 13.837 min Scan# 2026
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

Tgt Ion: 91 Resp: 80706
Ion Ratio Lower Upper
91 100
92 63.9 26.7 80.1
134 0.0 12.9 38.6#





#95
Naphthalene
Concen: 16.42 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.000 min
Lab File: VD068714.D
Acq: 29 Mar 2021 22:44

Tgt Ion:128 Resp: 311418
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 11.2 8.9 13.3

Instrument :
MSVOA_D
ClientSampleId :
B3-0-2

Manual Integrations
APPROVED

MMDadoda
3/30/2021 7:23:41 PM

