

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080621\
 Data File : VY005568.D
 Acq On : 06 Aug 2021 13:09
 Operator : SY/MD
 Sample : M3293-03
 Misc : 5.04G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20071

Manual Integrations
 APPROVED

MMDadoda
 8/9/2021 6:27:38 PM

Quant Time: Aug 07 06:18:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	24682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	30954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	7657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1807	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	7608	30.45	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	60.90%		
35) Dibromofluoromethane	7.728	113	8121	46.86	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.72%		
50) Toluene-d8	10.185	98	21265	29.26	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	58.52%		
62) 4-Bromofluorobenzene	12.483	95	2067	8.59	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	17.18%#		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.936	59	2886m	116.85	ug/l	
16) Acetone	3.960	43	1548	24.57	ug/l #	83
17) Carbon Disulfide	4.204	76	3022	4.61	ug/l #	85
20) Methylene Chloride	4.729	84	3086	7.16	ug/l	85
39) Methylcyclohexane	9.191	83	513	1.39	ug/l	98
44) Trichloroethene	8.947	130	2763	12.18	ug/l	85
52) Toluene	10.252	92	1562	2.95	ug/l	99
64) Tetrachloroethene	10.721	164	188504	3234.25	ug/l	98
67) Ethyl Benzene	11.593	91	1158	4.14	ug/l	97
68) m/p-Xylenes	11.709	106	1303	12.01	ug/l	88
69) o-Xylene	12.032	106	610	5.85	ug/l	90
70) Styrene	12.044	104	588	3.35	ug/l #	89
73) Isopropylbenzene	12.331	105	626	4.96	ug/l	91
78) n-propylbenzene	12.678	91	1381	9.22	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	2068	19.76	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	3308	32.03	ug/l	89
85) sec-Butylbenzene	13.251	105	1213	8.95	ug/l #	70
86) p-Isopropyltoluene	13.373	119	2078	17.86	ug/l #	75
89) n-Butylbenzene	13.696	91	1781	16.90	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	647	12.11	ug/l #	75
93) 1,2,4-Trichlorobenzene	15.007	180	1095	29.85	ug/l #	67
94) Hexachlorobutadiene	15.111	225	482	20.29	ug/l	89
96) 1,2,3-Trichlorobenzene	15.428	180	1603	49.32	ug/l	75

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

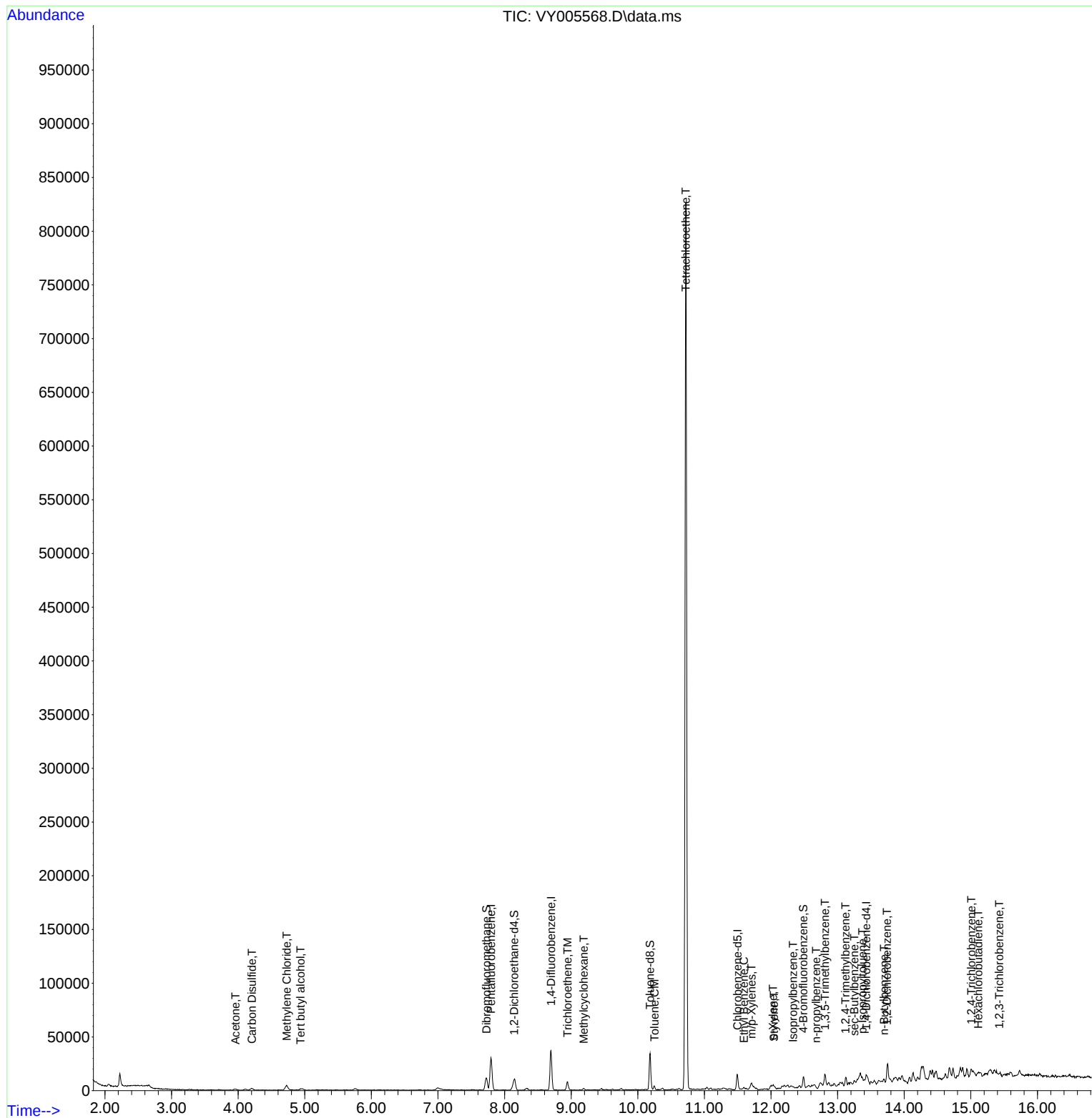
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080621\
Data File : VY005568.D
Acq On : 06 Aug 2021 13:09
Operator : SY/MD
Sample : M3293-03
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

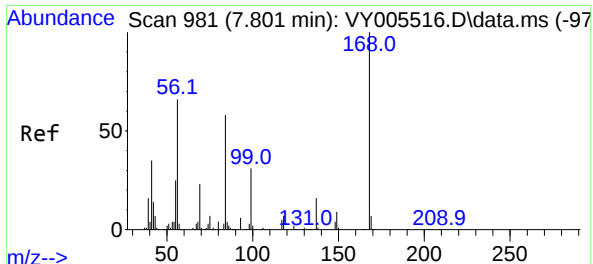
Instrument :
MSVOA_Y
ClientSampleId :
20071

Manual Integrations
APPROVED

MMDadoda
8/9/2021 6:27:38 PM

Quant Time: Aug 07 06:18:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 03 04:52:05 2021
Response via : Initial Calibration





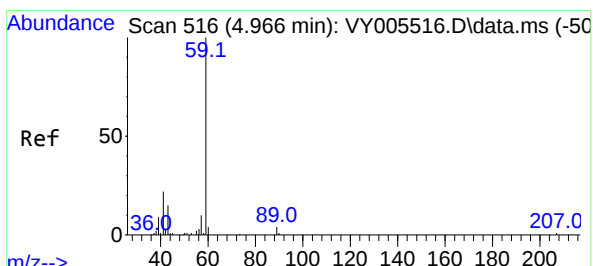
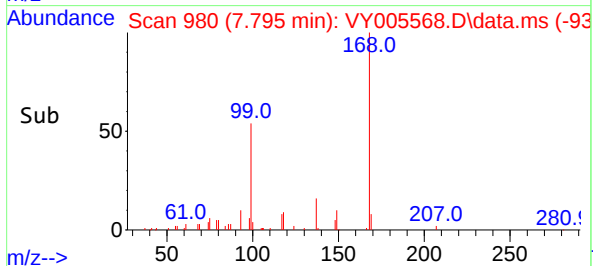
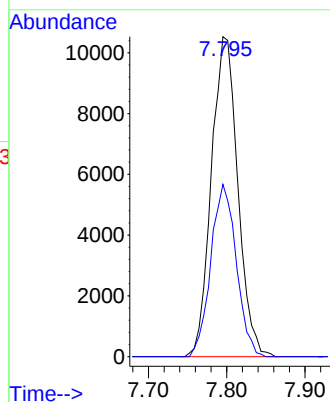
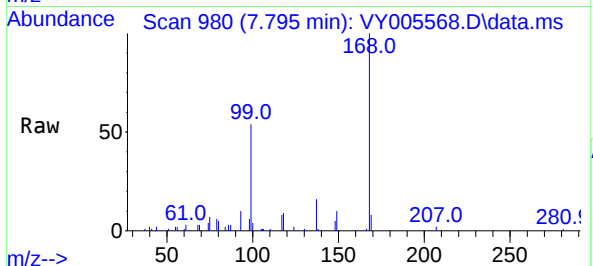
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

Tgt Ion: 168 Resp: 24682
Ion Ratio Lower Upper
168 100
99 53.8 38.9 58.3

Instrument :
MSVOA_Y
ClientSampleId :
20071

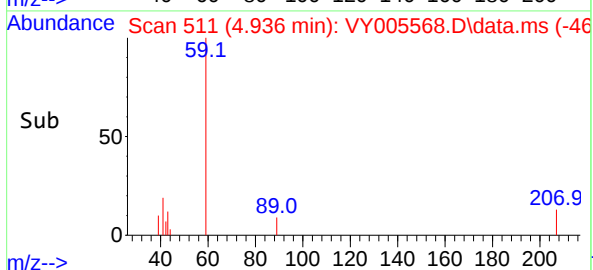
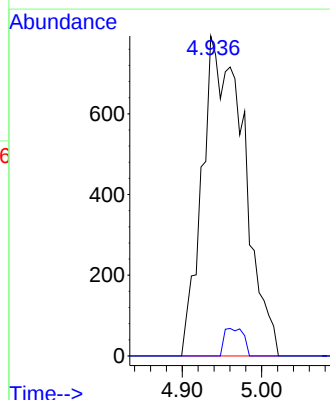
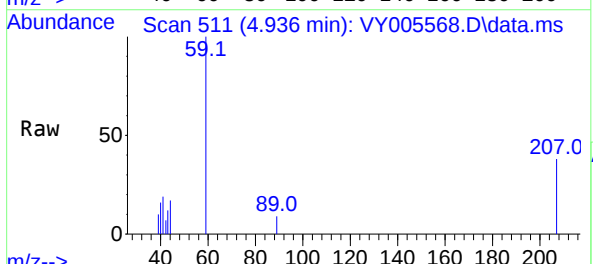
Manual Integrations
APPROVED

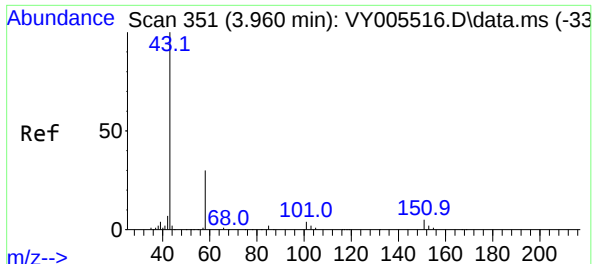
MMDadoda
8/9/2021 6:27:38 PM



#11
Tert butyl alcohol
Concen: 116.85 ug/l m
RT: 4.936 min Scan# 511
Delta R.T. -0.031 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

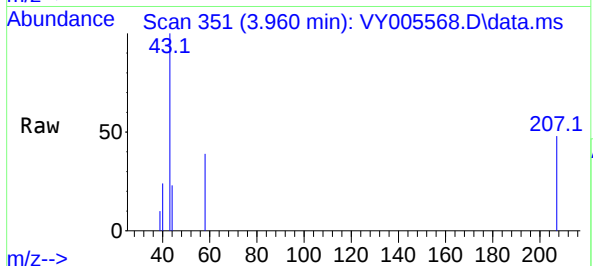
Tgt Ion: 59 Resp: 2886
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#





#16
Acetone
Concen: 24.57 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

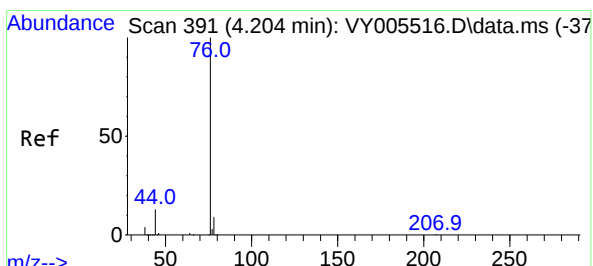
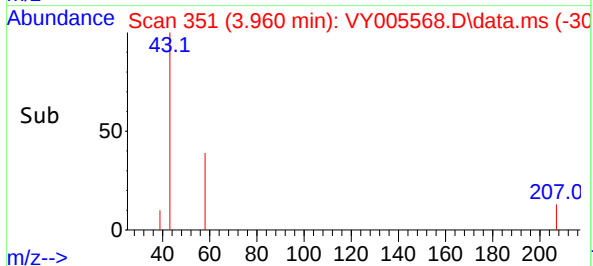
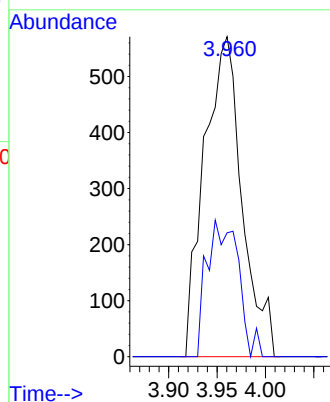
Instrument :
MSVOA_Y
ClientSampleId :
20071



Tgt Ion: 43 Resp: 1548
Ion Ratio Lower Upper
43 100
58 38.7 23.8 35.6#

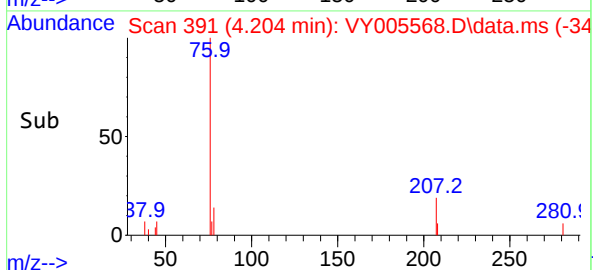
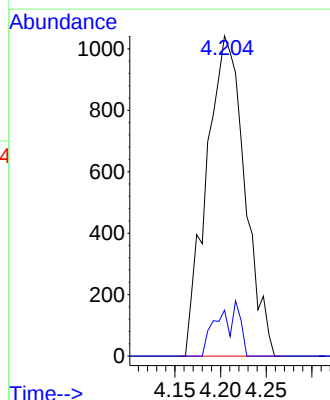
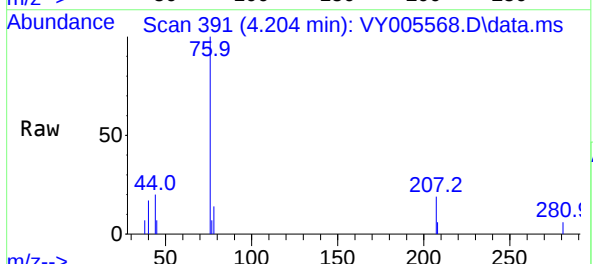
Manual Integrations
APPROVED

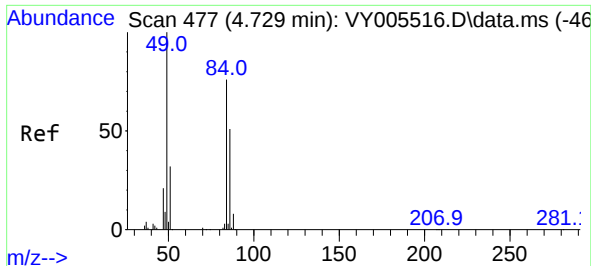
MMDadoda
8/9/2021 6:27:38 PM



#17
Carbon Disulfide
Concen: 4.61 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

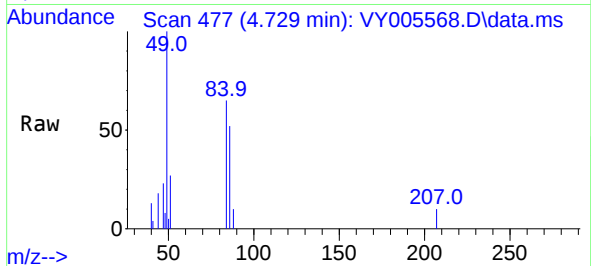
Tgt Ion: 76 Resp: 3022
Ion Ratio Lower Upper
76 100
78 14.3 7.0 10.6#





#20
Methylene Chloride
Concen: 7.16 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

Instrument :
MSVOA_Y
ClientSampled :
20071

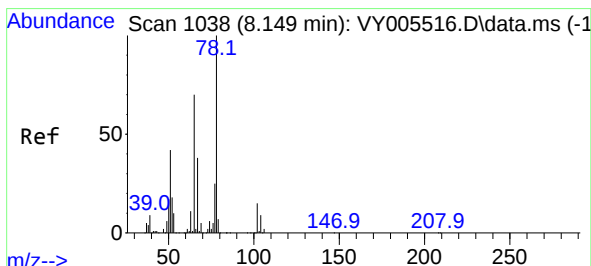
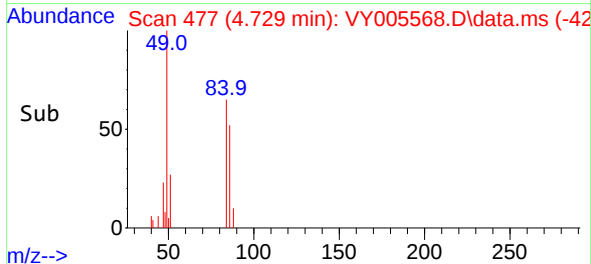
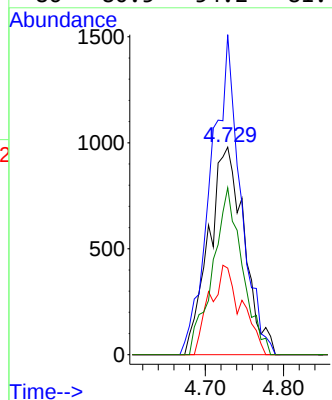


Tgt Ion: 84 Resp: 3086

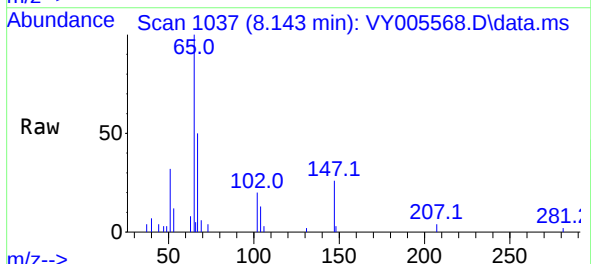
Ion	Ratio	Lower	Upper
84	100		
49	154.2	105.8	158.6
51	41.8	33.4	50.2
86	80.5	54.2	81.4

Manual Integrations
APPROVED

MMDadoda
8/9/2021 6:27:38 PM

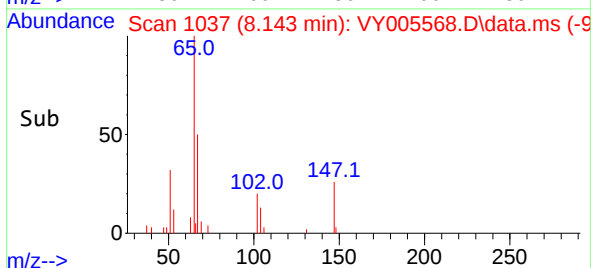
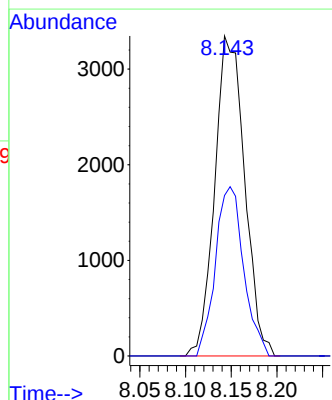


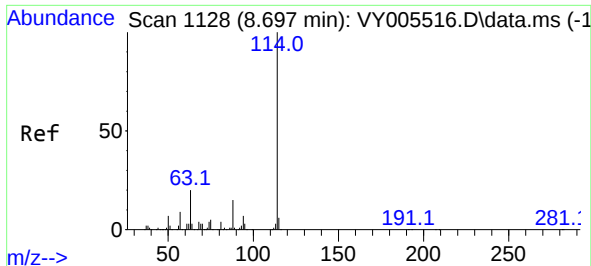
#33
1,2-Dichloroethane-d4
Concen: 30.45 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09



Tgt Ion: 65 Resp: 7608

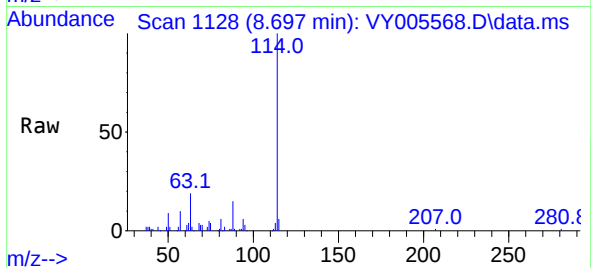
Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	103.4





#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

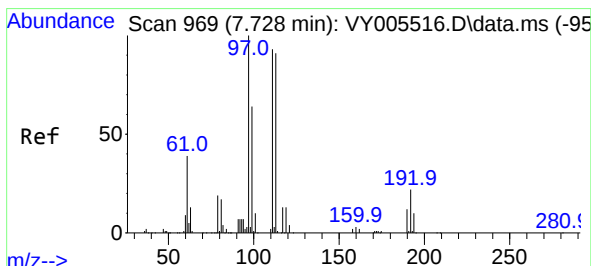
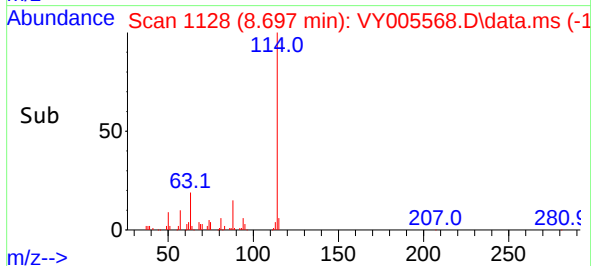
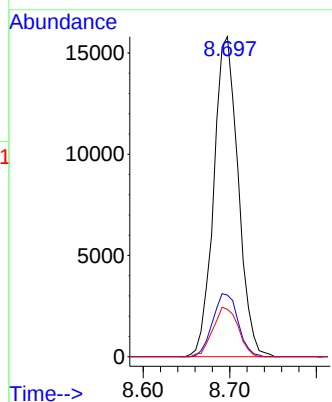
Instrument :
MSVOA_Y
ClientSampled :
20071



Tgt Ion:	114	Resp:	30954
Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.2
88	14.8	0.0	30.8

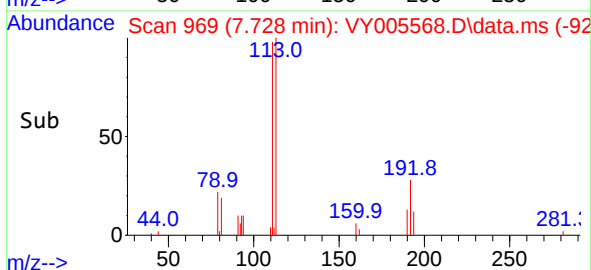
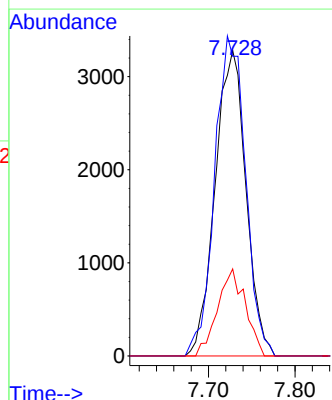
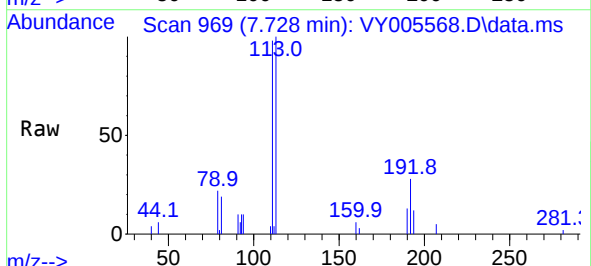
Manual Integrations
APPROVED

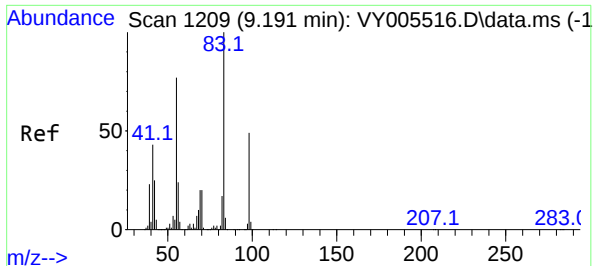
MMDadoda
8/9/2021 6:27:38 PM



#35
Dibromofluoromethane
Concen: 46.86 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

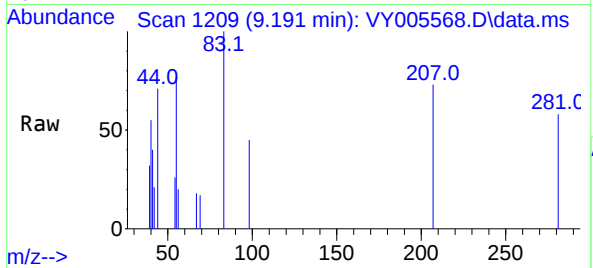
Tgt Ion:	113	Resp:	8121
Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.9	122.9
192	25.7	19.2	28.8





#39
Methylcyclohexane
Concen: 1.39 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. -0.000 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

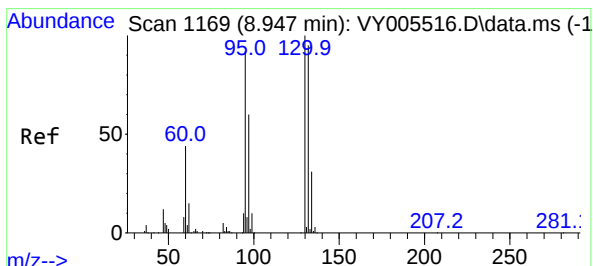
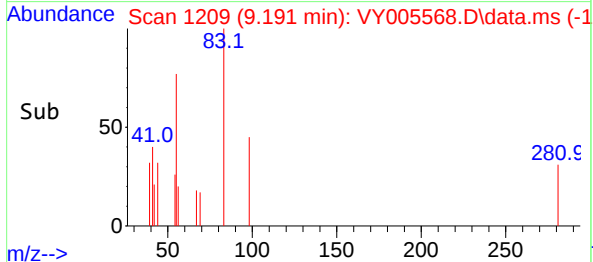
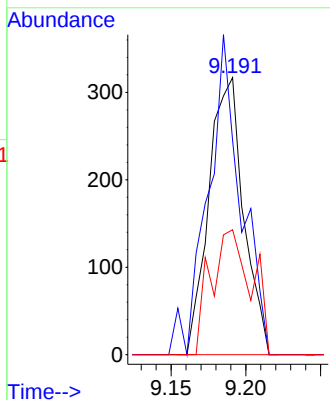
Instrument :
MSVOA_Y
ClientSampleId :
20071



Tgt Ion: 83 Resp: 513
Ion Ratio Lower Upper
83 100
55 77.3 61.7 92.5
98 45.1 38.9 58.3

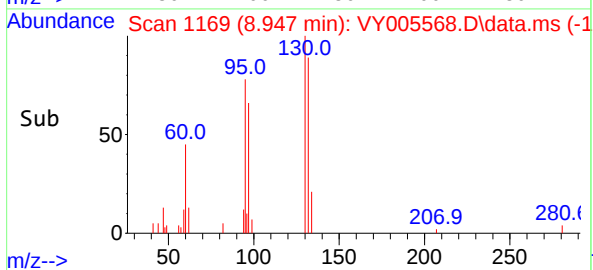
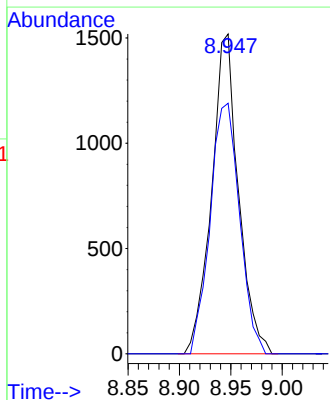
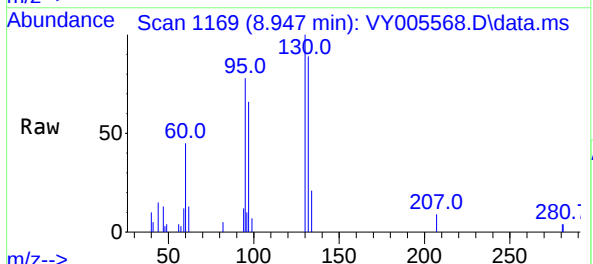
Manual Integrations
APPROVED

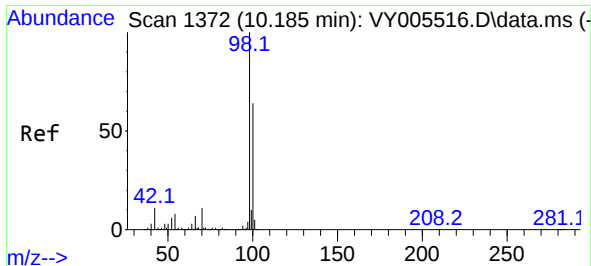
MMDadoda
8/9/2021 6:27:38 PM



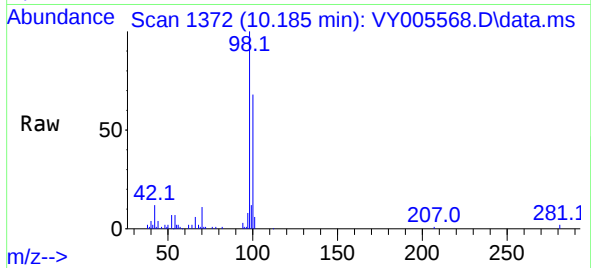
#44
Trichloroethene
Concen: 12.18 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

Tgt Ion:130 Resp: 2763
Ion Ratio Lower Upper
130 100
95 78.3 0.0 185.0

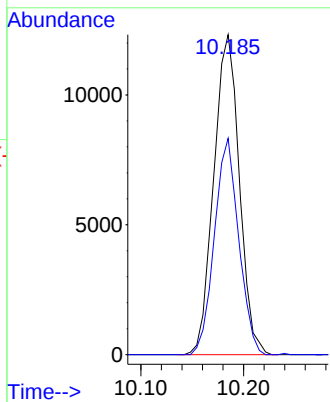
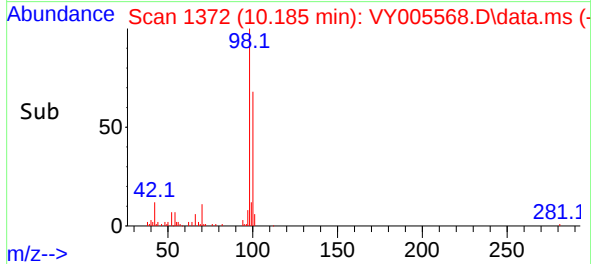




#50
Toluene-d8
Concen: 29.26 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09



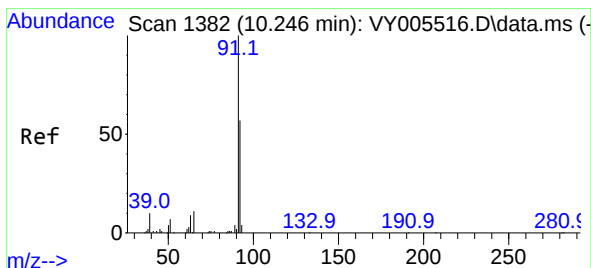
Tgt Ion: 98 Resp: 21265
Ion Ratio Lower Upper
98 100
100 64.2 51.3 76.9



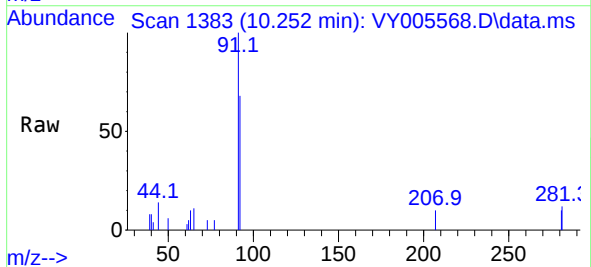
Instrument :
MSVOA_Y
ClientSampleId :
20071

Manual Integrations
APPROVED

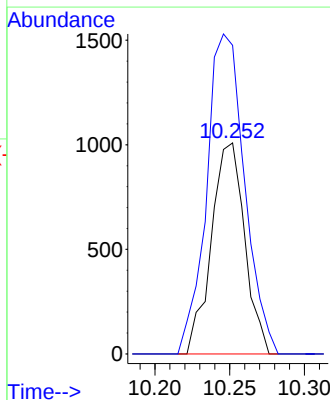
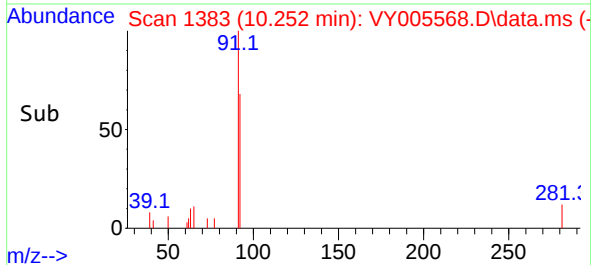
MMDadoda
8/9/2021 6:27:38 PM

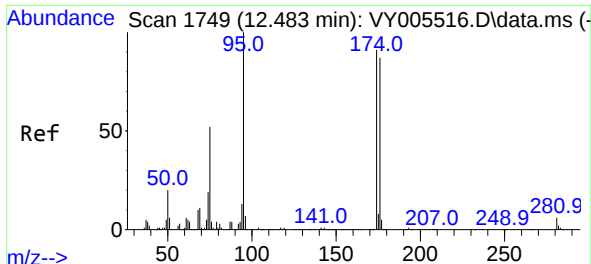


#52
Toluene
Concen: 2.95 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09



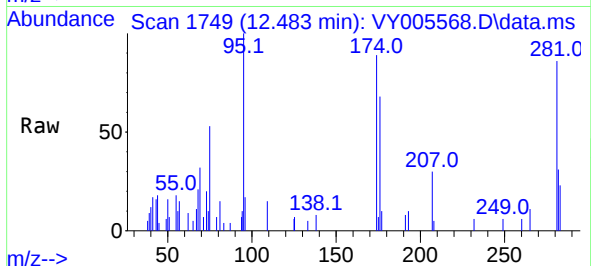
Tgt Ion: 92 Resp: 1562
Ion Ratio Lower Upper
92 100
91 173.2 139.6 209.4





#62
4-Bromofluorobenzene
Concen: 8.59 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

Instrument :
MSVOA_Y
ClientSampled :
20071

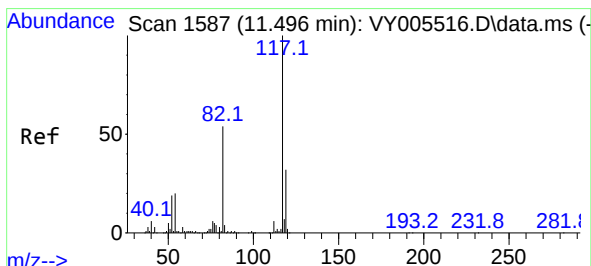
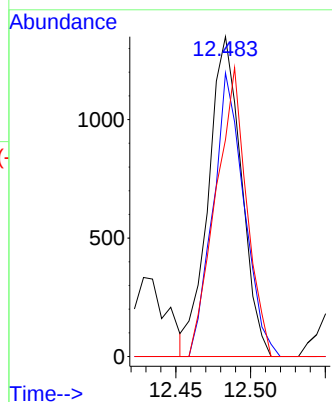


Tgt Ion: 95 Resp: 2067

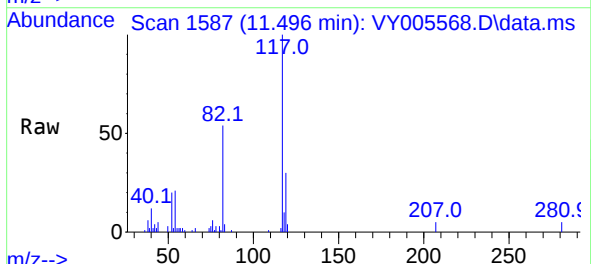
Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	191.4
176	84.7	0.0	183.6

Manual Integrations
APPROVED

MMDadoda
8/9/2021 6:27:38 PM

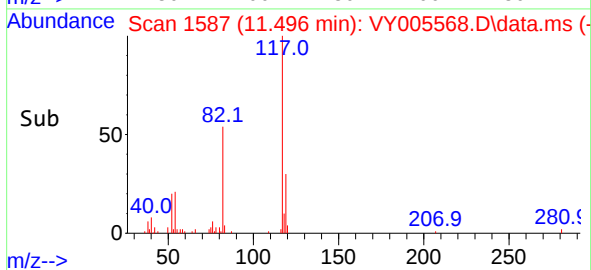
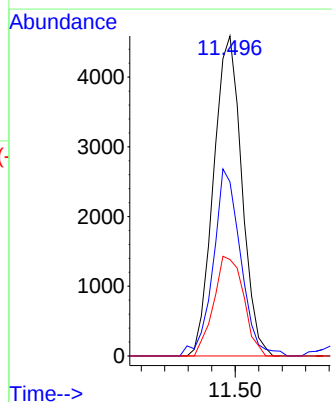


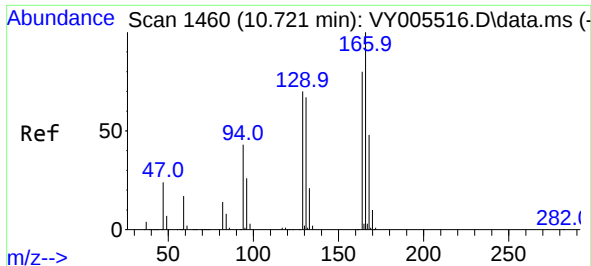
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09



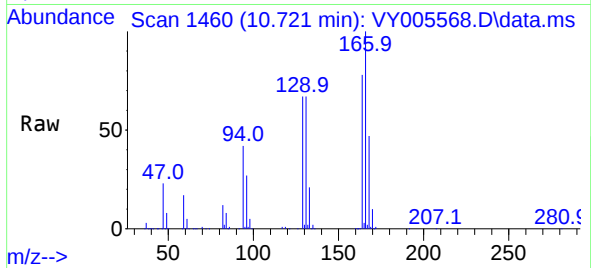
Tgt Ion: 117 Resp: 7657

Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.5	65.3
119	30.1	25.5	38.3

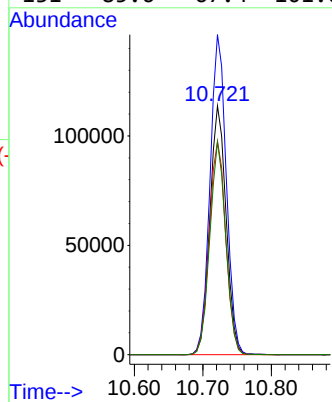




#64
Tetrachloroethene
Concen: 3234.25 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09



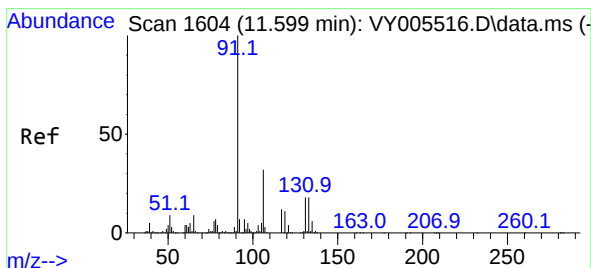
Tgt Ion:164 Resp: 188504
Ion Ratio Lower Upper
164 100
166 128.6 99.8 149.8
129 85.8 70.1 105.1
131 85.6 67.4 101.0



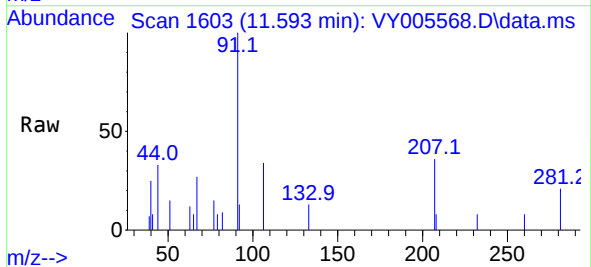
Instrument :
MSVOA_Y
ClientSampled :
20071

Manual Integrations
APPROVED

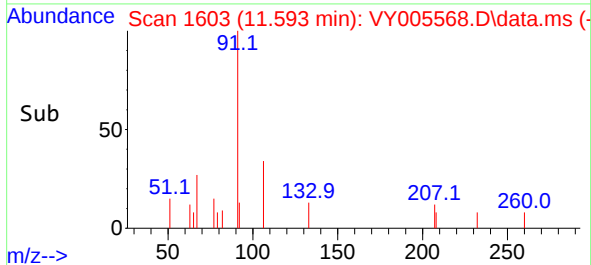
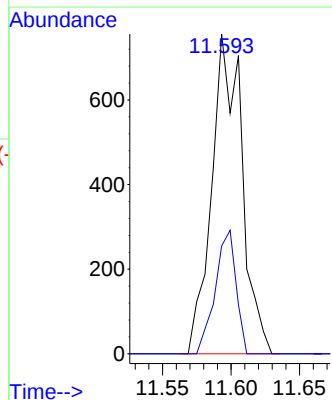
MMDadoda
8/9/2021 6:27:38 PM

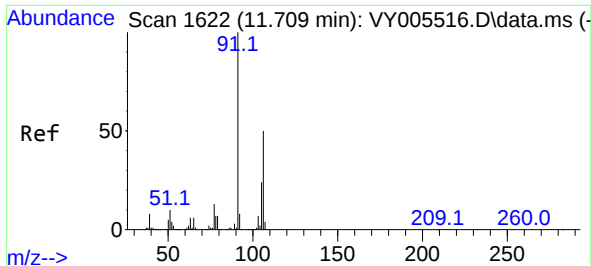


#67
Ethyl Benzene
Concen: 4.14 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09



Tgt Ion: 91 Resp: 1158
Ion Ratio Lower Upper
91 100
106 33.7 25.8 38.6





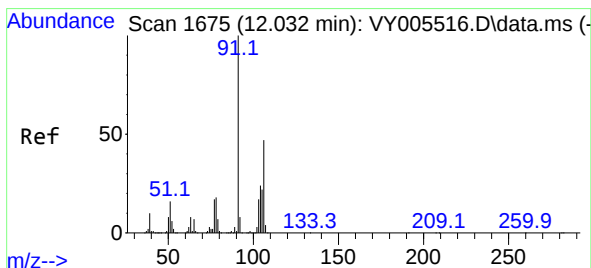
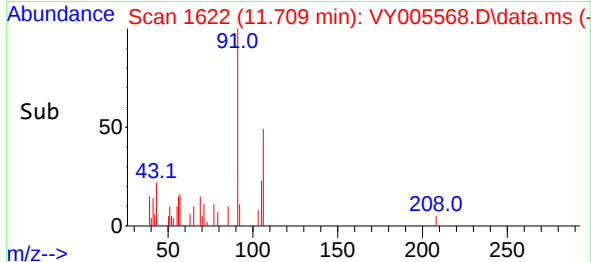
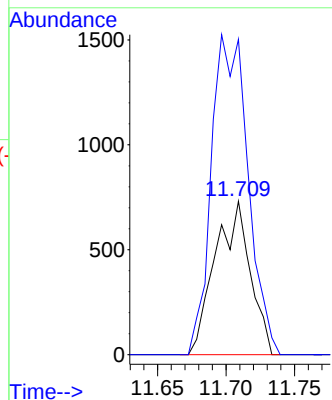
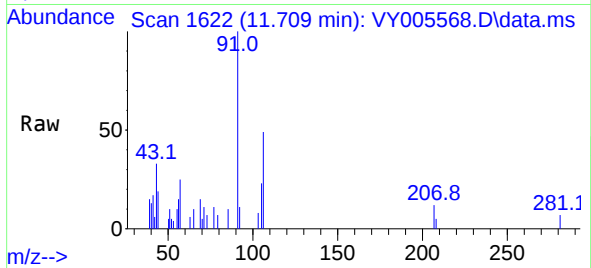
#68
m/p-Xylenes
Concen: 12.01 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. -0.000 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

Tgt Ion:106 Resp: 1303
Ion Ratio Lower Upper
106 100
91 217.2 159.6 239.4

Instrument :
MSVOA_Y
ClientSampled :
20071

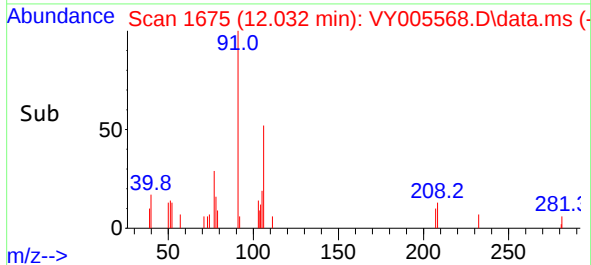
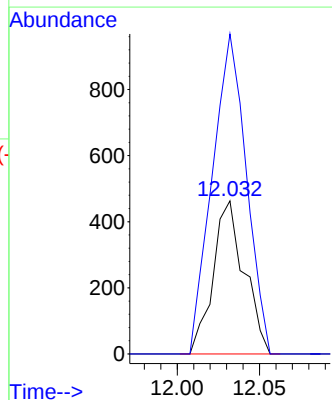
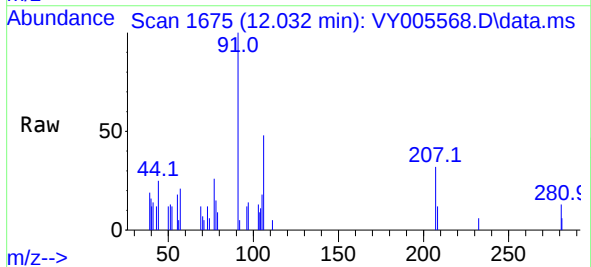
Manual Integrations
APPROVED

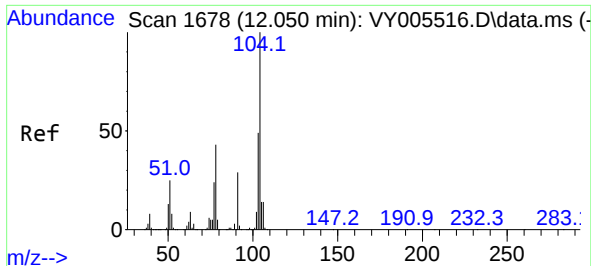
MMDadoda
8/9/2021 6:27:38 PM



#69
o-Xylene
Concen: 5.85 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

Tgt Ion:106 Resp: 610
Ion Ratio Lower Upper
106 100
91 228.0 106.2 318.6





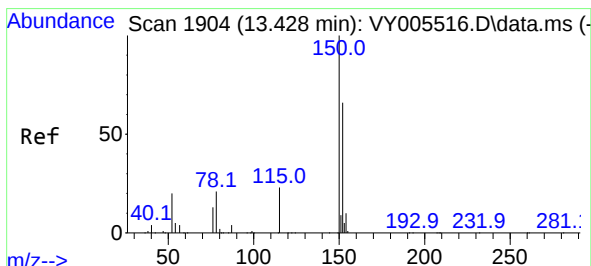
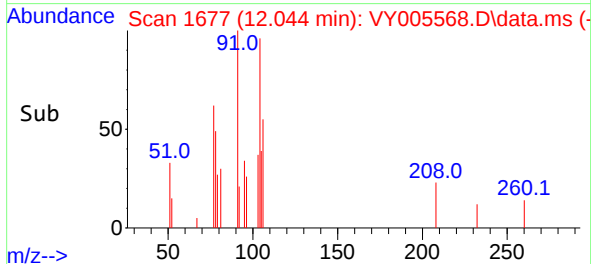
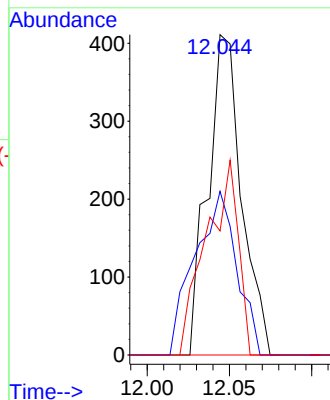
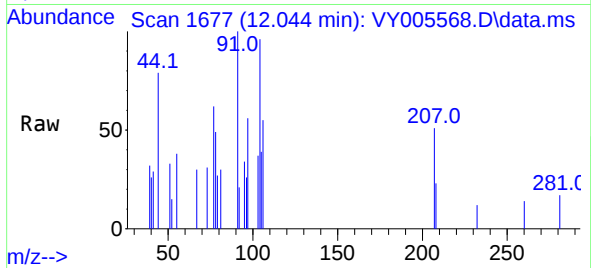
#70
Styrene
Concen: 3.35 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. -0.006 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	63.3	40.2	60.4
103	57.7	43.8	65.8

Instrument :
MSVOA_Y
ClientSampled :
20071

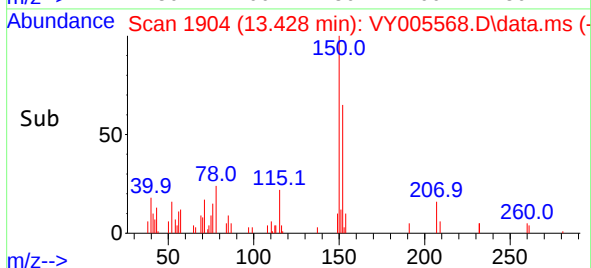
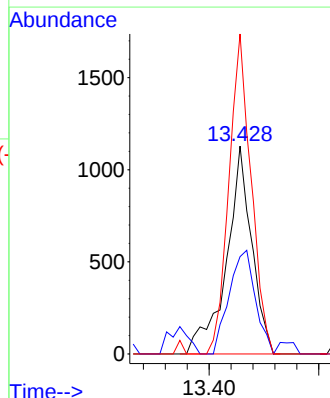
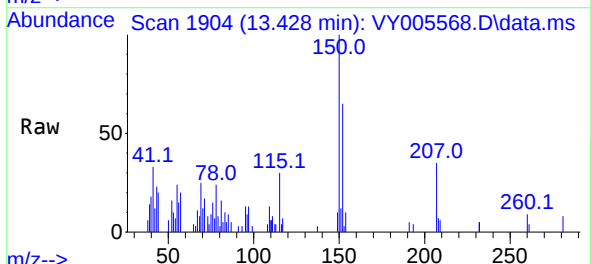
Manual Integrations
APPROVED

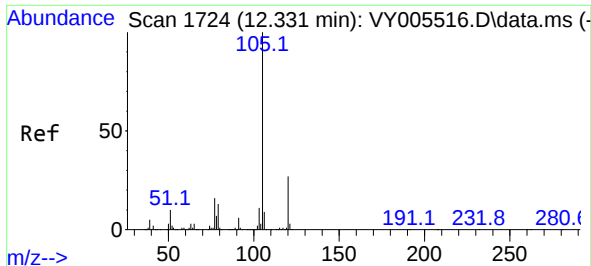
MMDadoda
8/9/2021 6:27:38 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

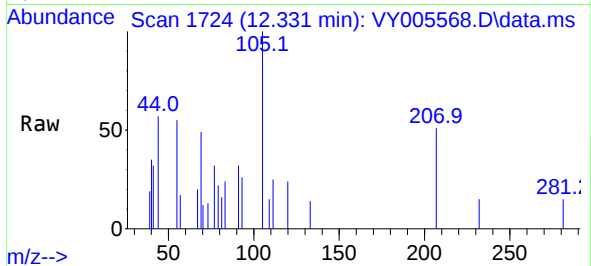
Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.9	27.3	81.9
150	135.3	0.0	350.2





#73
Isopropylbenzene
Concen: 4.96 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

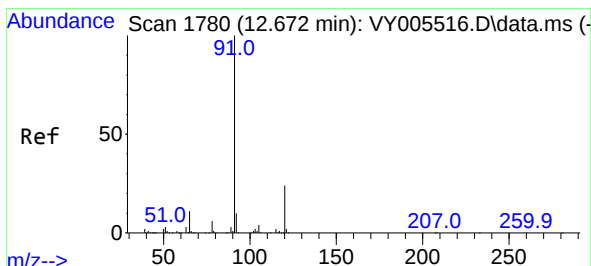
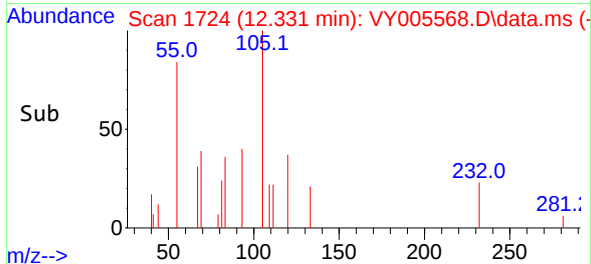
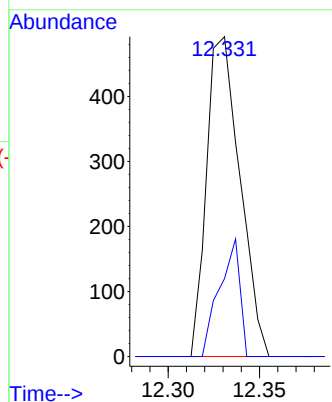
Instrument :
MSVOA_Y
ClientSampled :
20071



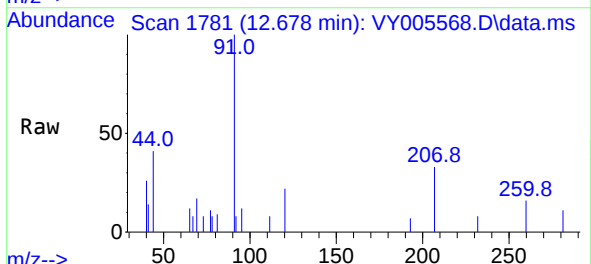
Tgt Ion: 105 Resp: 626
Ion Ratio Lower Upper
105 100
120 22.7 13.7 41.1

Manual Integrations
APPROVED

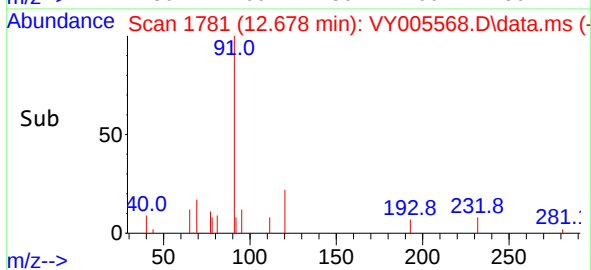
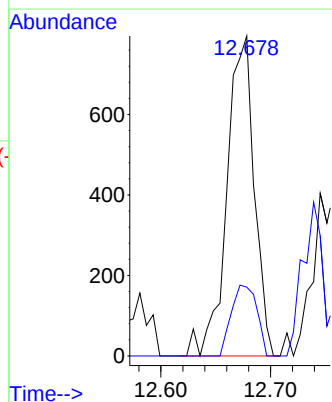
MMDadoda
8/9/2021 6:27:38 PM

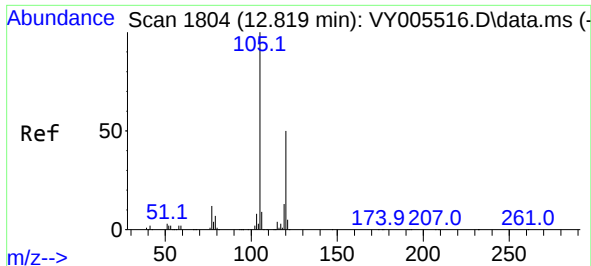


#78
n-propylbenzene
Concen: 9.22 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09



Tgt Ion: 91 Resp: 1381
Ion Ratio Lower Upper
91 100
120 20.5 11.9 35.9





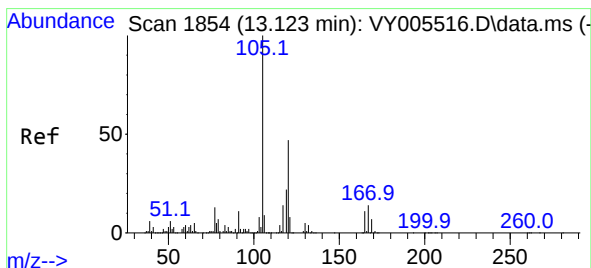
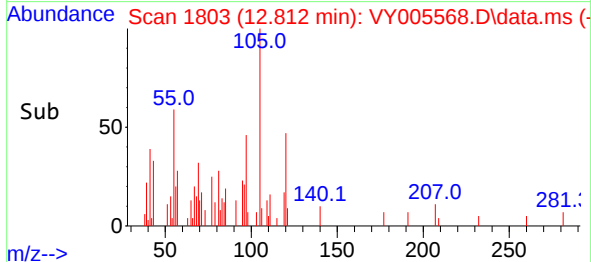
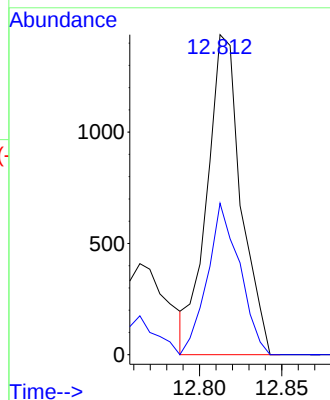
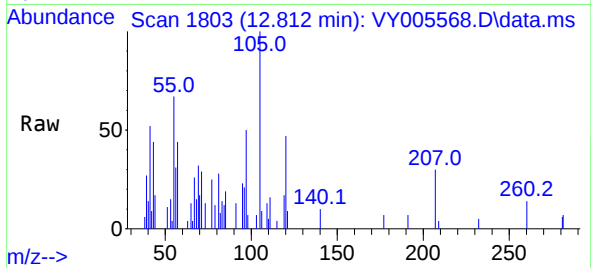
#80
1,3,5-Trimethylbenzene
Concen: 19.76 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

Tgt Ion:105 Resp: 2068
Ion Ratio Lower Upper
105 100
120 44.8 25.0 75.0

Instrument :
MSVOA_Y
ClientSampled :
20071

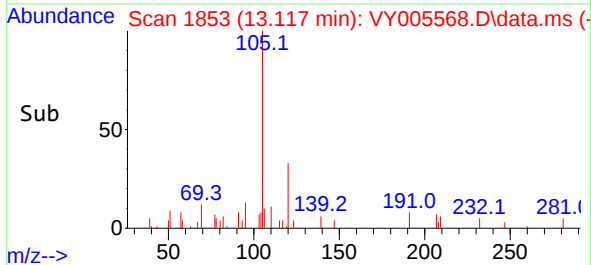
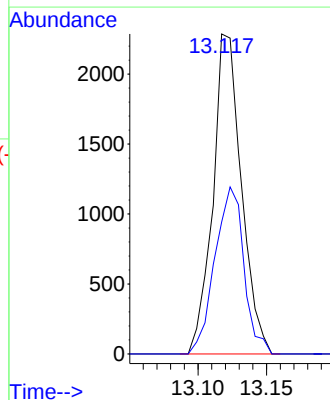
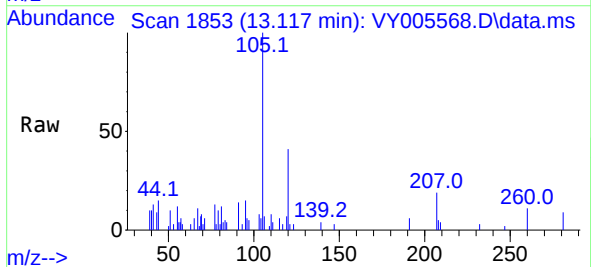
Manual Integrations
APPROVED

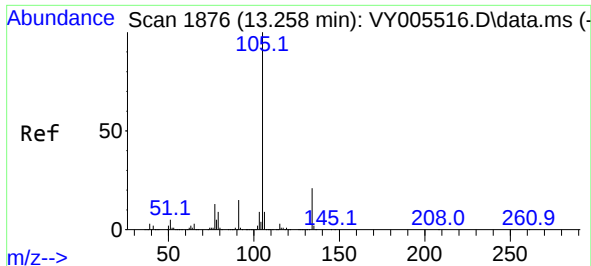
MMDadoda
8/9/2021 6:27:38 PM



#84
1,2,4-Trimethylbenzene
Concen: 32.03 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09

Tgt Ion:105 Resp: 3308
Ion Ratio Lower Upper
105 100
120 53.1 22.9 68.5





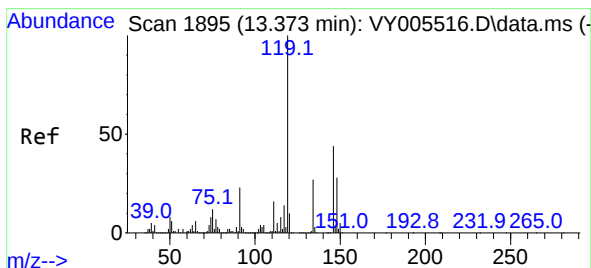
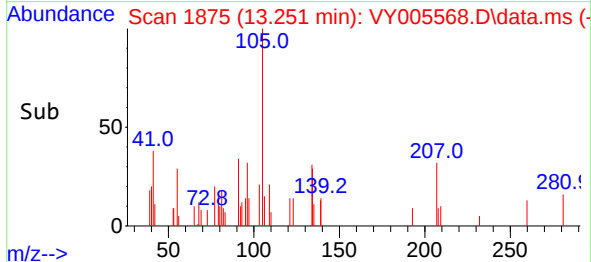
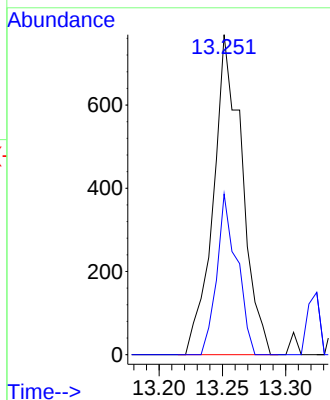
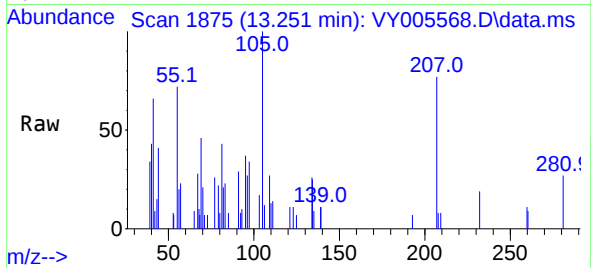
#85
 sec-Butylbenzene
 Concen: 8.95 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.006 min
 Lab File: VY005568.D
 Acq: 06 Aug 2021 13:09

Tgt Ion:105 Resp: 1213
 Ion Ratio Lower Upper
 105 100
 134 35.0 10.5 31.5#

Instrument :
 MSVOA_Y
 ClientSampled :
 20071

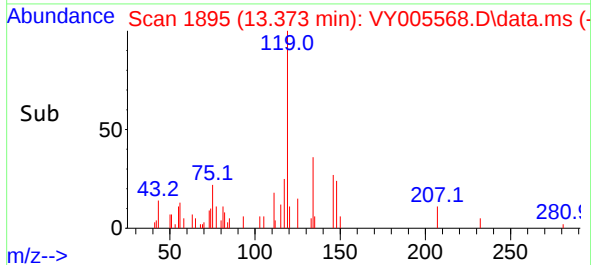
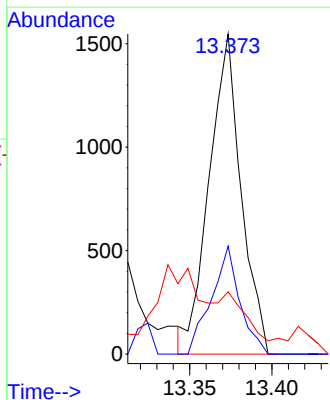
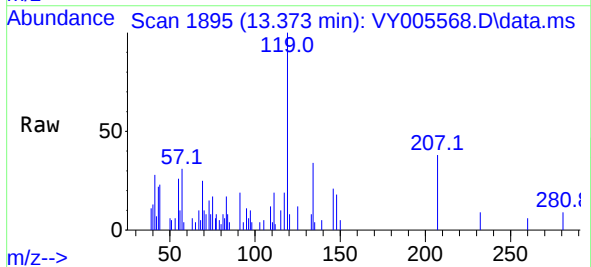
Manual Integrations
 APPROVED

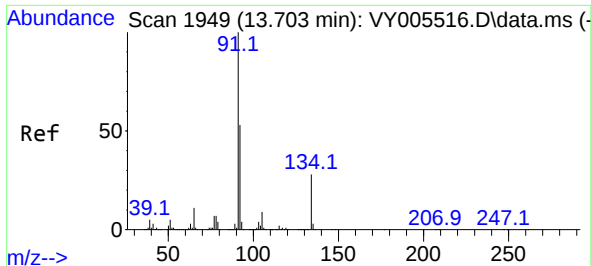
MMDadoda
 8/9/2021 6:27:38 PM



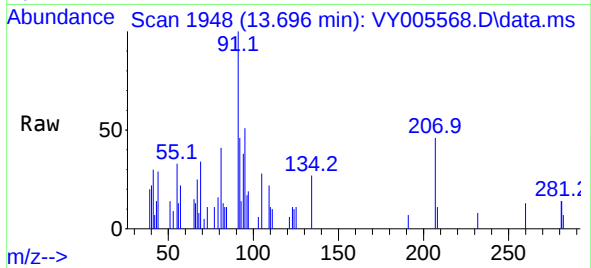
#86
 p-Isopropyltoluene
 Concen: 17.86 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. -0.000 min
 Lab File: VY005568.D
 Acq: 06 Aug 2021 13:09

Tgt Ion:119 Resp: 2078
 Ion Ratio Lower Upper
 119 100
 134 30.2 13.6 40.7
 91 0.0 11.6 34.7#

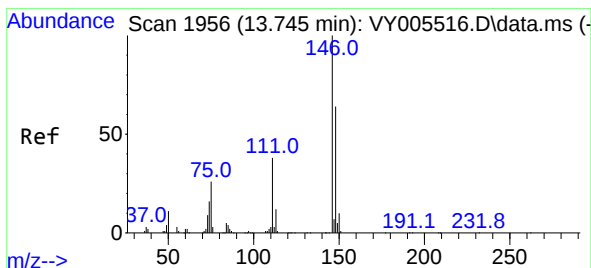
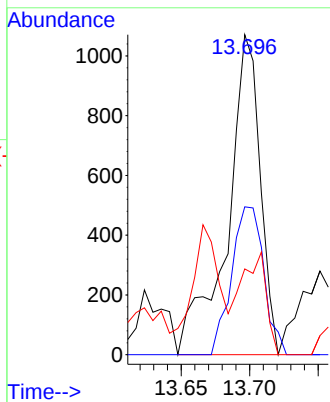
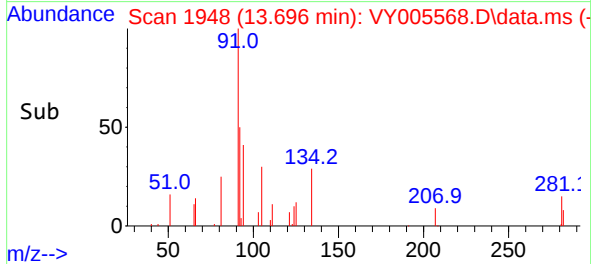




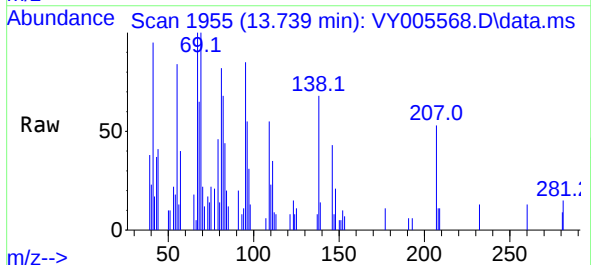
#89
n-Butylbenzene
Concen: 16.90 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09



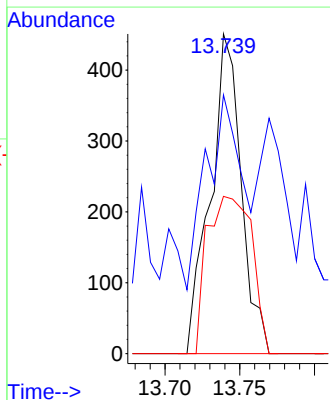
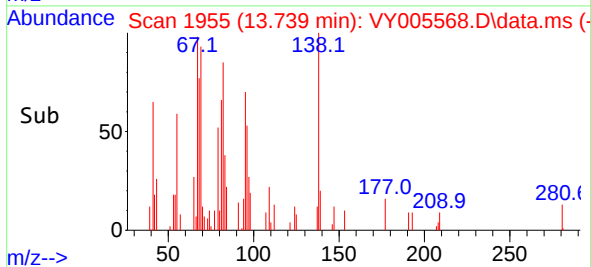
Tgt Ion:	91	Resp:	1781
Ion	Ratio	Lower	Upper
91	100		
92	45.5	26.7	80.1
134	24.9	13.8	41.4



#91
1,2-Dichlorobenzene
Concen: 12.11 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. -0.006 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09



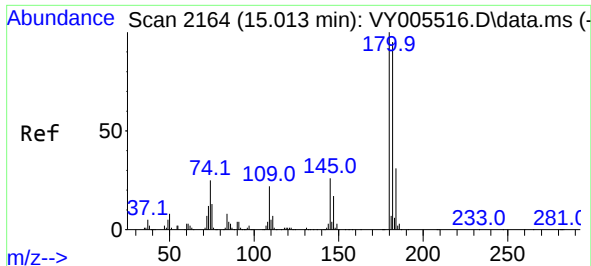
Tgt Ion:	146	Resp:	647
Ion	Ratio	Lower	Upper
146	100		
111	69.2	19.4	58.2
148	71.3	31.9	95.5



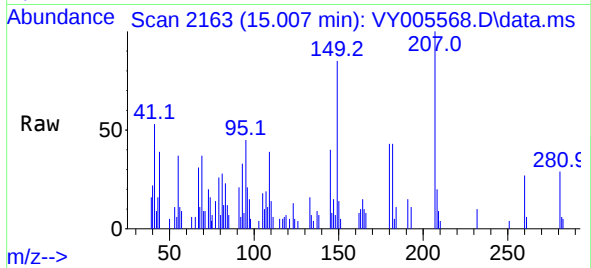
Instrument :
MSVOA_Y
ClientSampled :
20071

Manual Integrations
APPROVED

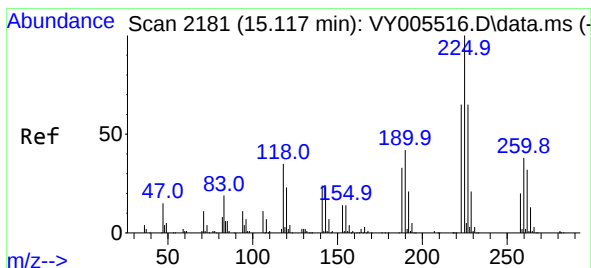
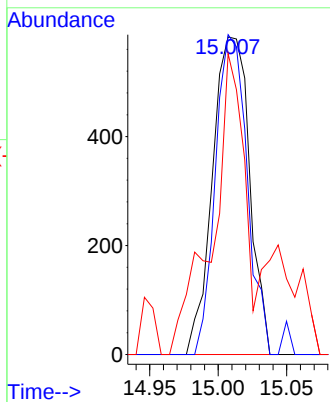
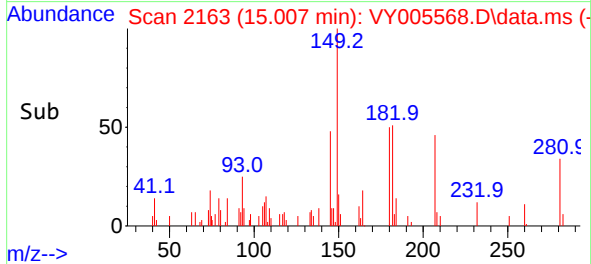
MMDadoda
8/9/2021 6:27:38 PM



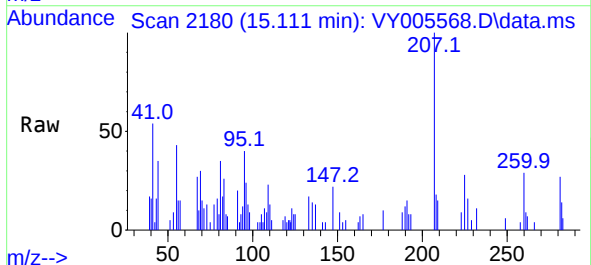
#93
1,2,4-Trichlorobenzene
Concen: 29.85 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.006 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09



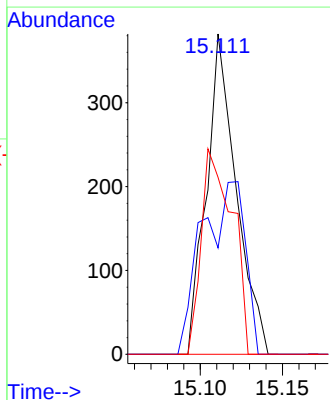
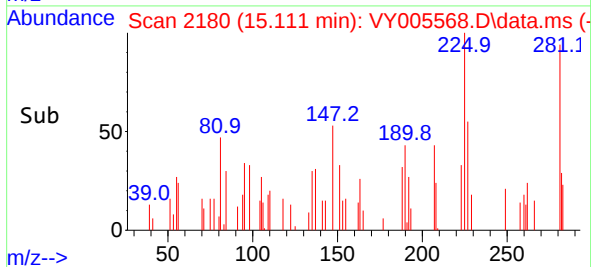
Tgt Ion:180 Resp: 1095
Ion Ratio Lower Upper
180 100
182 86.0 47.8 143.4
145 86.6 14.0 42.0#



#94
Hexachlorobutadiene
Concen: 20.29 ug/l
RT: 15.111 min Scan# 2180
Delta R.T. -0.006 min
Lab File: VY005568.D
Acq: 06 Aug 2021 13:09



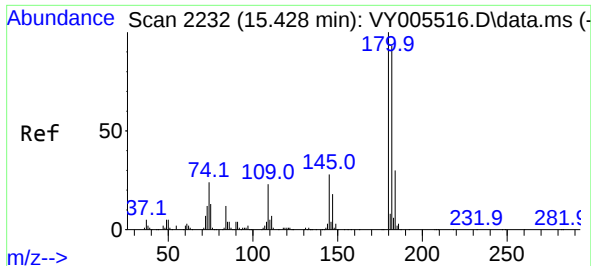
Tgt Ion:225 Resp: 482
Ion Ratio Lower Upper
225 100
223 77.4 31.4 94.0
227 66.8 32.2 96.6



Instrument :
MSVOA_Y
ClientSampled :
20071

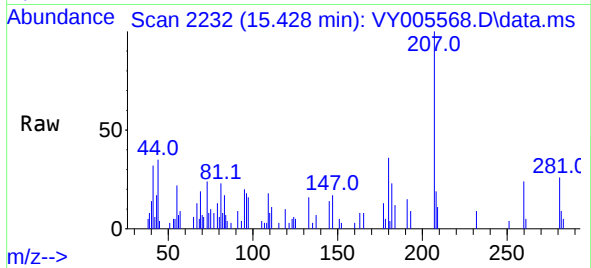
Manual Integrations
APPROVED

MMDadoda
8/9/2021 6:27:38 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 49.32 ug/l
 RT: 15.428 min Scan# 2232
 Delta R.T. -0.000 min
 Lab File: VY005568.D
 Acq: 06 Aug 2021 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 20071



Tgt Ion:	180	Resp:	1603
Ion	Ratio	Lower	Upper
180	100		
182	65.1	47.9	143.6
145	27.0	14.6	44.0

Manual Integrations
 APPROVED

MMDadoda
 8/9/2021 6:27:38 PM

