

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041921\
 Data File : VU043190.D
 Acq On : 19 Apr 2021 13:45
 Operator : SY/MD
 Sample : M2045-02DL 4X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 124-GW-2DL

Manual Integrations
 APPROVED

MMDadoda
 4/23/2021 12:27:31 PM

Quant Time: Apr 20 02:54:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.382	168	130528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	213179	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	206171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	111018	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	107672	49.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.14%	
35) Dibromofluoromethane	5.298	113	74819	46.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.42%	
50) Toluene-d8	7.906	98	276634	48.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	10.639	95	104928	46.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.46%	
Target Compounds						Qvalue
16) Acetone	2.646	43	3739m	2.60	ug/l	
25) 2-Butanone	4.723	43	2253	1.13	ug/l	92
31) Cyclohexane	5.395	56	84927	31.38	ug/l	96
39) Methylcyclohexane	6.771	83	83965	33.77	ug/l	97
40) Benzene	5.777	78	2271	0.35	ug/l	95
52) Toluene	7.976	92	6215	1.55	ug/l	99
67) Ethyl Benzene	9.578	91	572014	71.69	ug/l	99
68) m/p-Xylenes	9.700	106	564983	191.37	ug/l	100
69) o-Xylene	10.108	106	92978	32.27	ug/l	98
73) Isopropylbenzene	10.491	105	52160	7.00	ug/l	98
78) n-propylbenzene	10.912	91	148755	16.67	ug/l	99
80) 1,3,5-Trimethylbenzene	11.095	105	198452	30.17	ug/l	99
84) 1,2,4-Trimethylbenzene	11.475	105	738276	109.24	ug/l	98
85) sec-Butylbenzene	11.652	105	11515m	1.52	ug/l	
86) p-Isopropyltoluene	11.799	119	9128	1.31	ug/l	94
89) n-Butylbenzene	12.208	91	33614	5.14	ug/l #	30

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

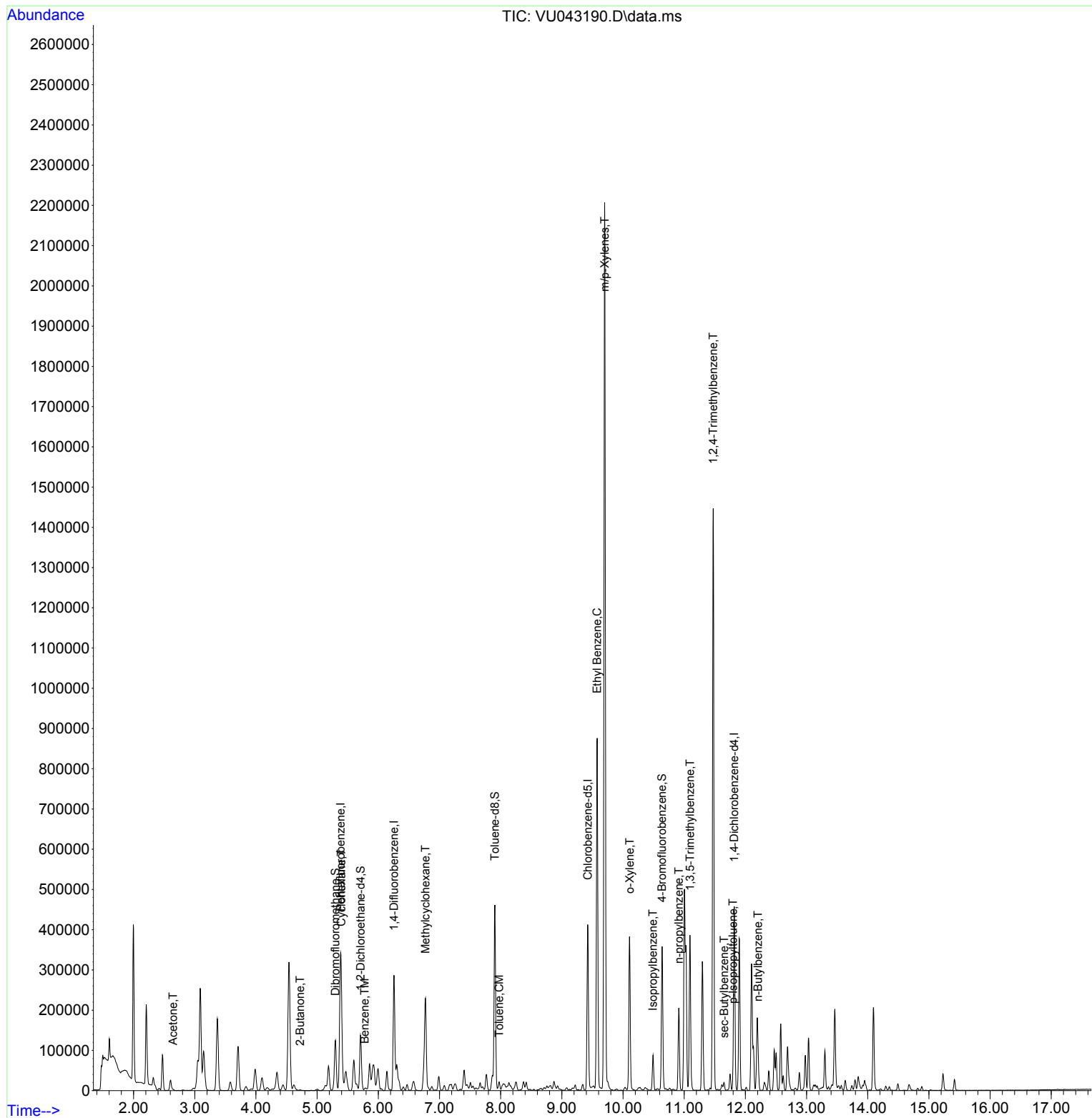
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041921\
Data File : VU043190.D
Acq On : 19 Apr 2021 13:45
Operator : SY/MD
Sample : M2045-02DL 4X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

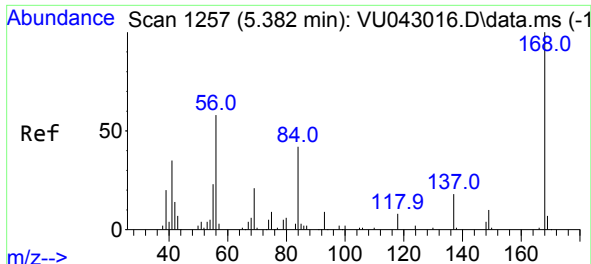
Instrument :
MSVOA_U
ClientSampleId :
124-GW-2DL

Manual Integrations
APPROVED

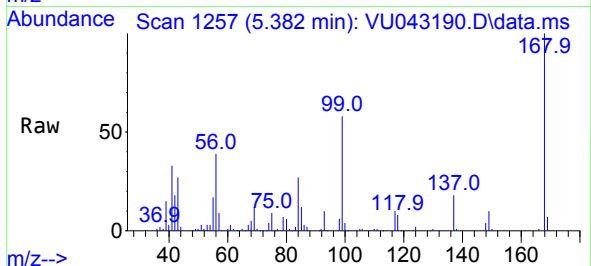
MMDadoda
4/23/2021 12:27:31 PM

Quant Time: Apr 20 02:54:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 2021
Response via : Initial Calibration

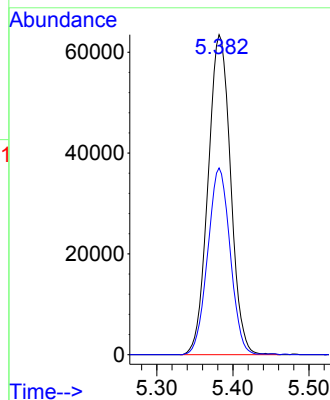
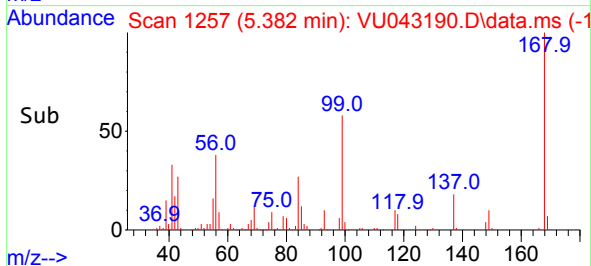




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45



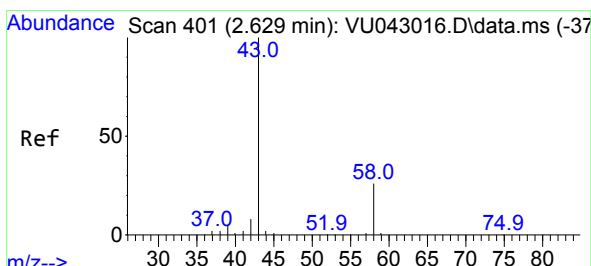
Tgt Ion: 168 Resp: 130528
Ion Ratio Lower Upper
168 100
99 58.4 45.0 67.4



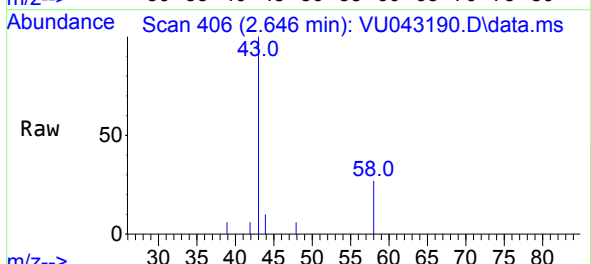
Instrument :
MSVOA_U
ClientSampleId :
124-GW-2DL

Manual Integrations
APPROVED

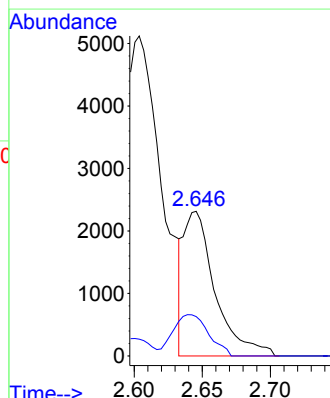
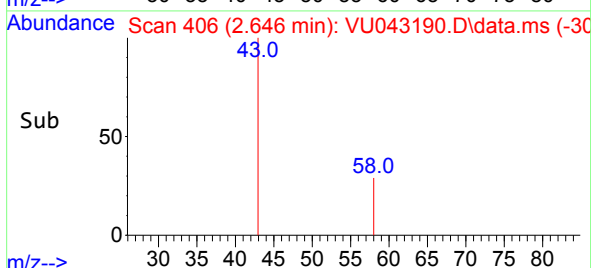
MMDadoda
4/23/2021 12:27:31 PM

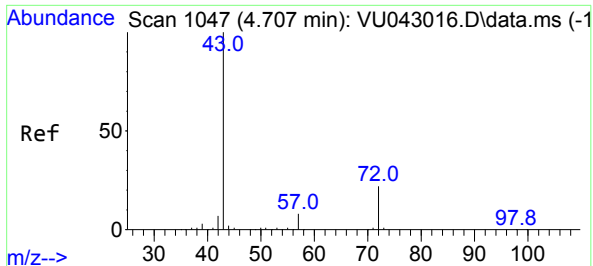


#16
Acetone
Concen: 2.60 ug/l m
RT: 2.646 min Scan# 406
Delta R.T. 0.017 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45



Tgt Ion: 43 Resp: 3739
Ion Ratio Lower Upper
43 100
58 27.2 21.5 32.3





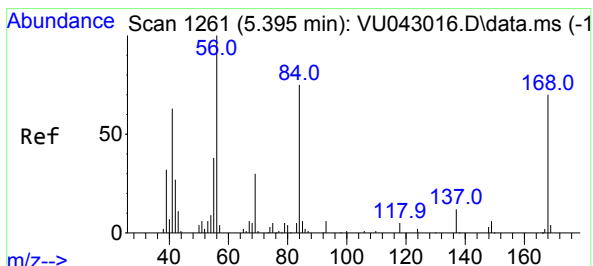
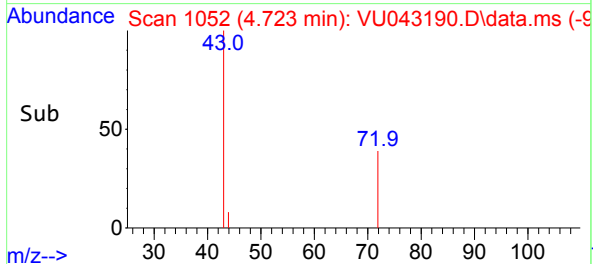
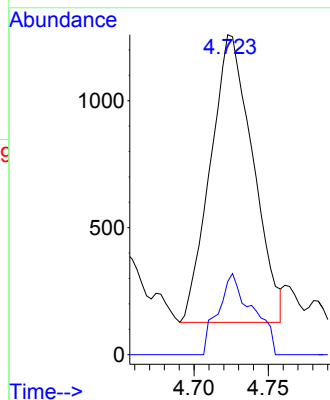
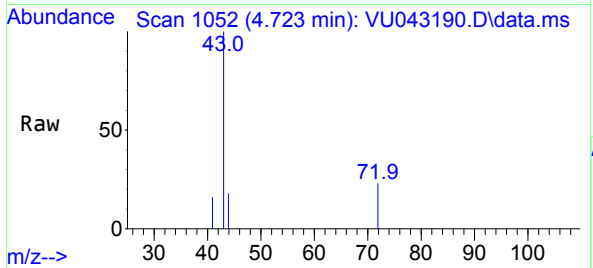
#25
2-Butanone
Concen: 1.13 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.016 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

Tgt Ion: 43 Resp: 2253
Ion Ratio Lower Upper
43 100
72 25.4 17.4 26.0

Instrument :
MSVOA_U
ClientSampleId :
124-GW-2DL

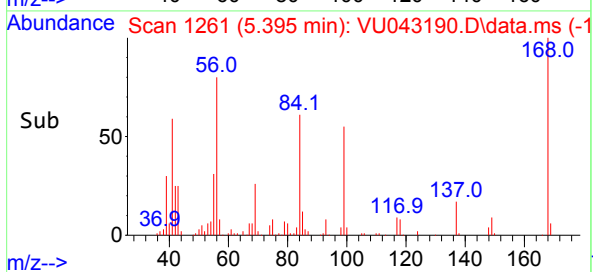
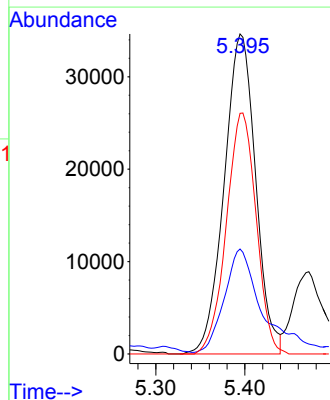
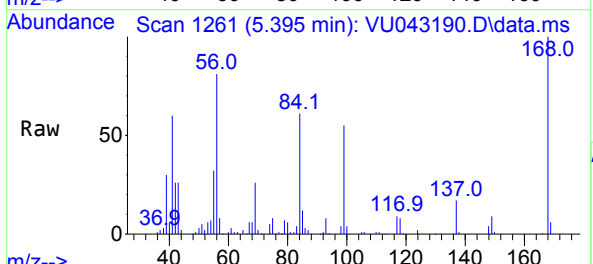
Manual Integrations
APPROVED

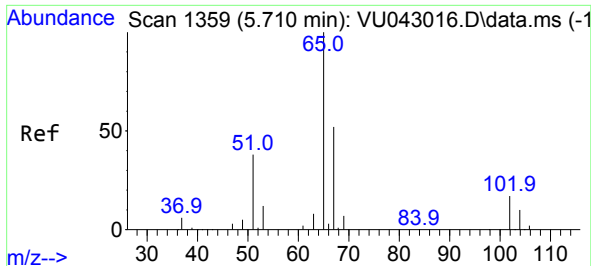
MMDadoda
4/23/2021 12:27:31 PM



#31
Cyclohexane
Concen: 31.38 ug/l
RT: 5.395 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

Tgt Ion: 56 Resp: 84927
Ion Ratio Lower Upper
56 100
69 31.6 24.9 37.3
84 75.2 63.7 95.5





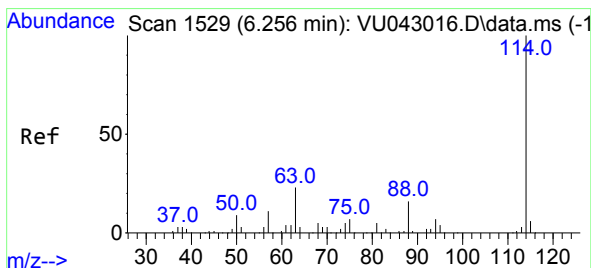
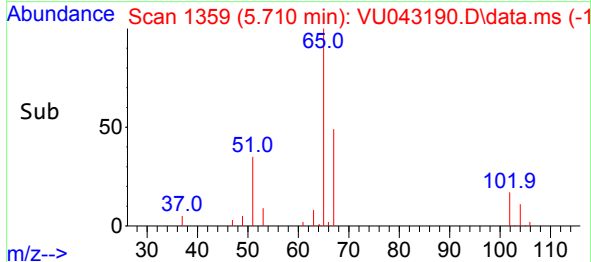
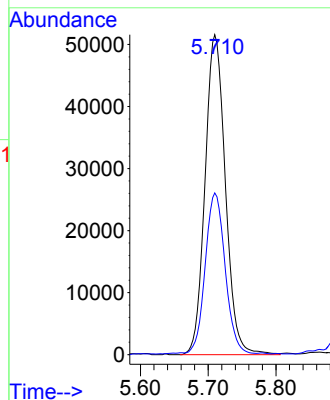
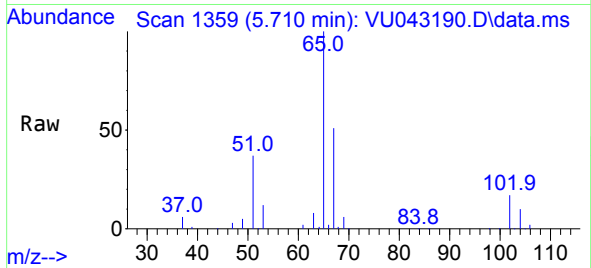
#33
1,2-Dichloroethane-d4
Concen: 49.07 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

Tgt Ion: 65 Resp: 107672
Ion Ratio Lower Upper
65 100
67 49.3 0.0 99.8

Instrument :
MSVOA_U
ClientSampleId :
124-GW-2DL

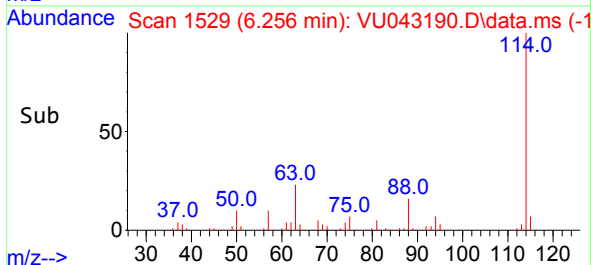
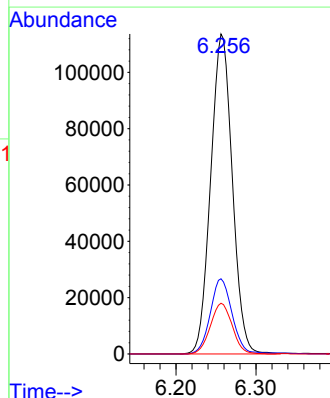
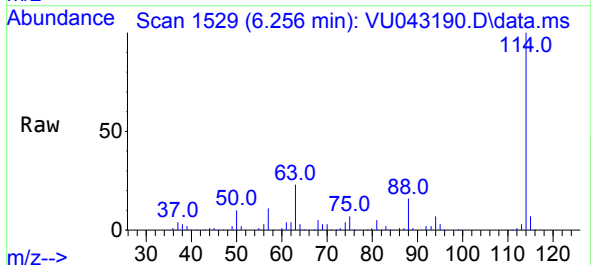
Manual Integrations
APPROVED

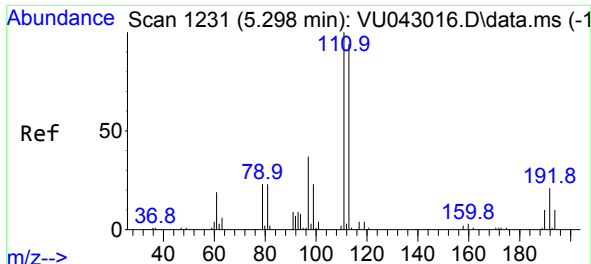
MMDadoda
4/23/2021 12:27:31 PM



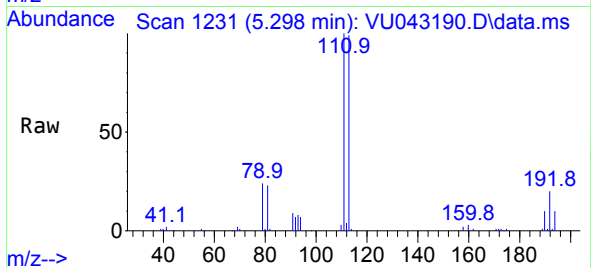
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

Tgt Ion: 114 Resp: 213179
Ion Ratio Lower Upper
114 100
63 23.5 0.0 44.2
88 15.8 0.0 33.4

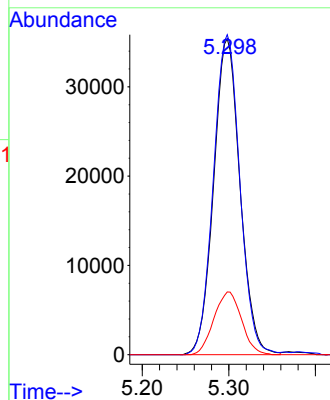
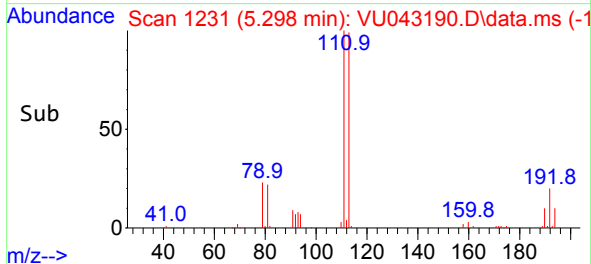




#35
Dibromofluoromethane
Concen: 46.71 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45



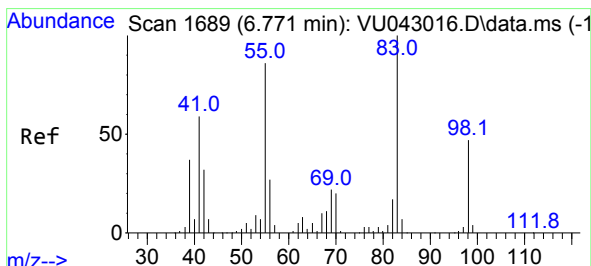
Tgt Ion: 113 Resp: 74819
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.8
192 20.8 17.2 25.8



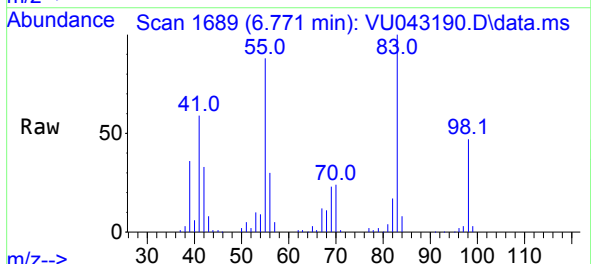
Instrument :
MSVOA_U
ClientSampleId :
124-GW-2DL

Manual Integrations
APPROVED

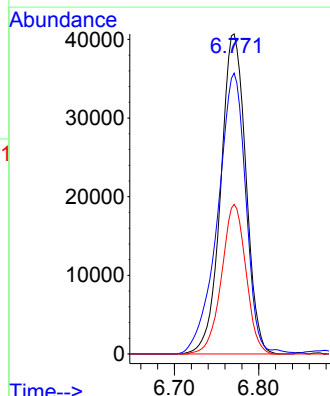
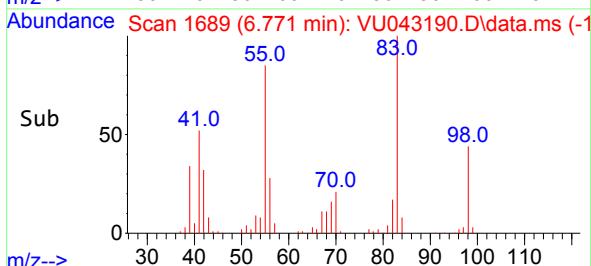
MMDadoda
4/23/2021 12:27:31 PM

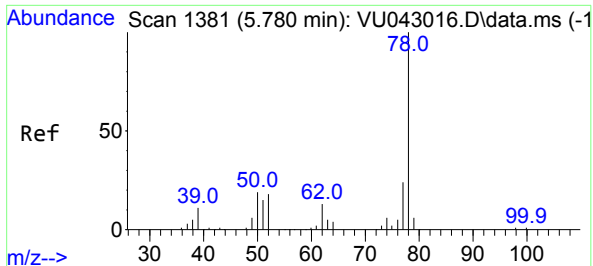


#39
Methylcyclohexane
Concen: 33.77 ug/l
RT: 6.771 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45



Tgt Ion: 83 Resp: 83965
Ion Ratio Lower Upper
83 100
55 87.5 66.8 100.2
98 46.7 36.9 55.3





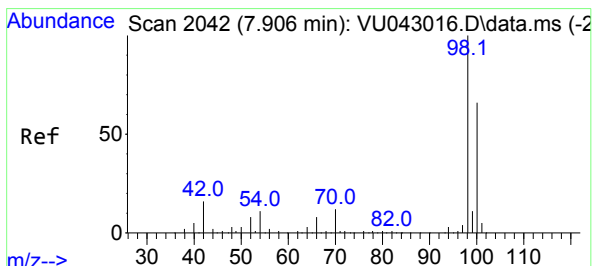
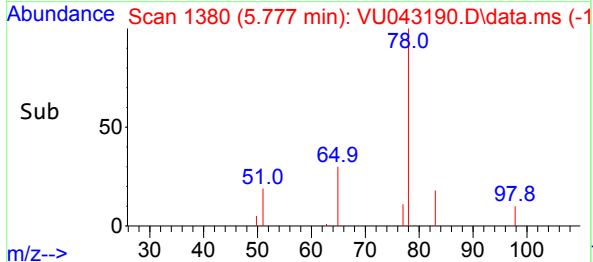
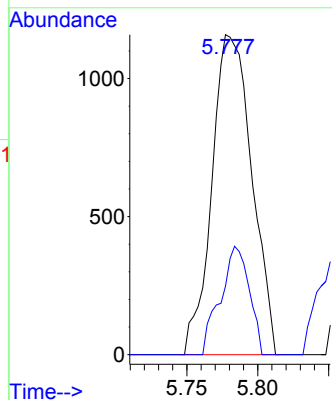
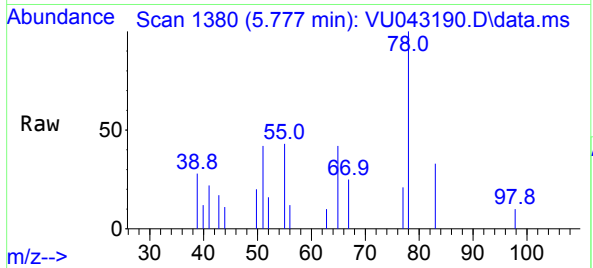
#40
Benzene
Concen: 0.35 ug/l
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

Tgt Ion: 78 Resp: 2271
Ion Ratio Lower Upper
78 100
77 21.4 19.3 28.9

Instrument :
MSVOA_U
ClientSampleId :
124-GW-2DL

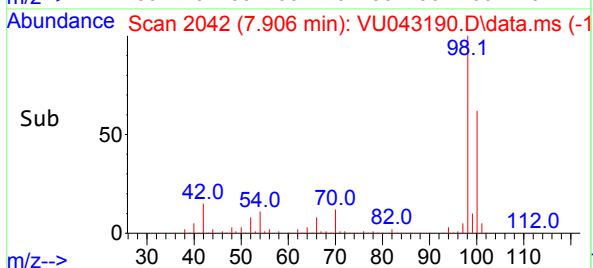
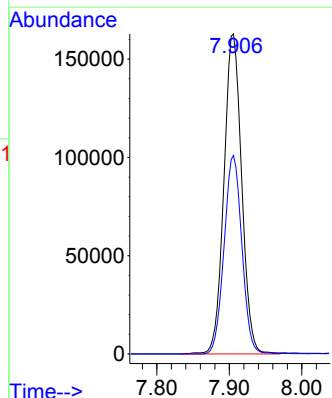
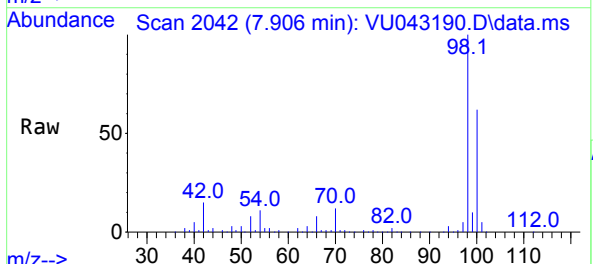
Manual Integrations
APPROVED

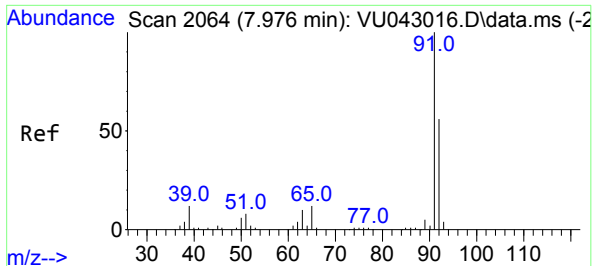
MMDadoda
4/23/2021 12:27:31 PM



#50
Toluene-d8
Concen: 48.80 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

Tgt Ion: 98 Resp: 276634
Ion Ratio Lower Upper
98 100
100 62.1 50.2 75.2





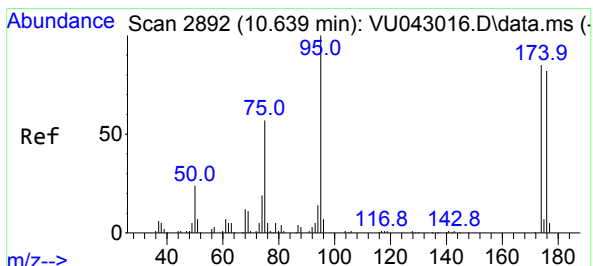
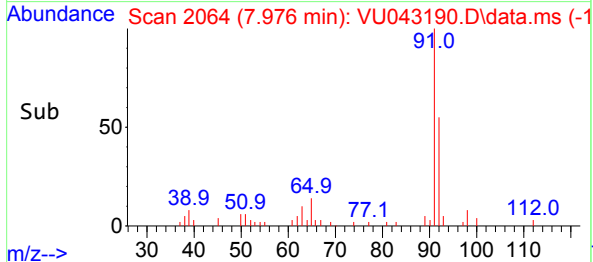
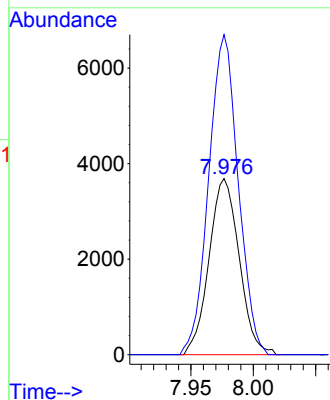
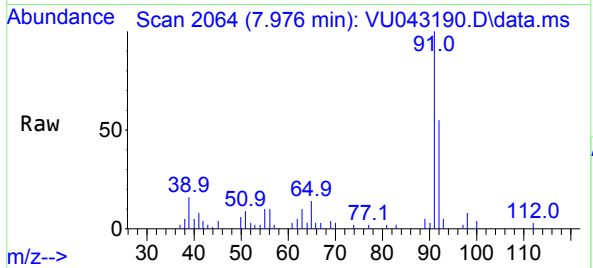
#52
Toluene
Concen: 1.55 ug/l
RT: 7.976 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

Tgt Ion: 92 Resp: 6215
Ion Ratio Lower Upper
92 100
91 177.4 140.3 210.5

Instrument :
MSVOA_U
ClientSampleId :
124-GW-2DL

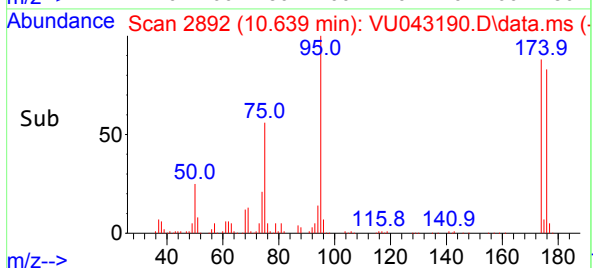
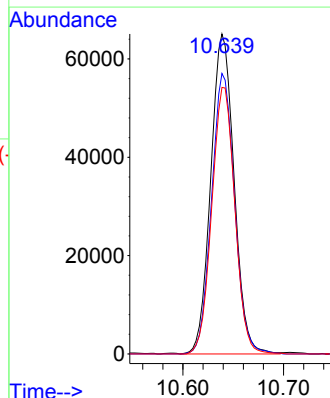
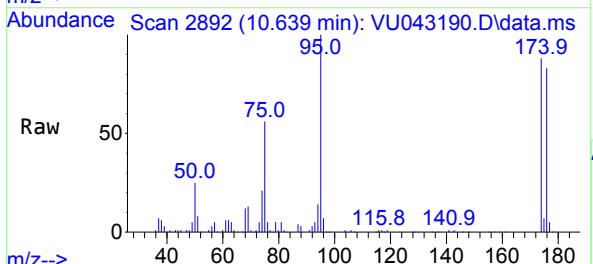
Manual Integrations
APPROVED

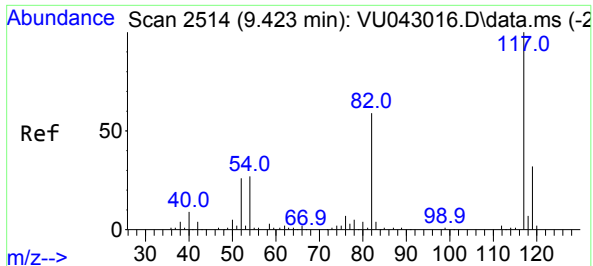
MMDadoda
4/23/2021 12:27:31 PM



#62
4-Bromofluorobenzene
Concen: 46.23 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

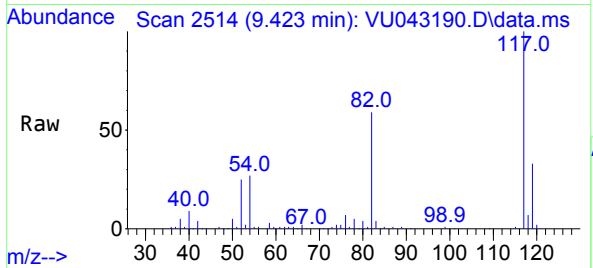
Tgt Ion: 95 Resp: 104928
Ion Ratio Lower Upper
95 100
174 86.6 0.0 172.2
176 82.3 0.0 168.8





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

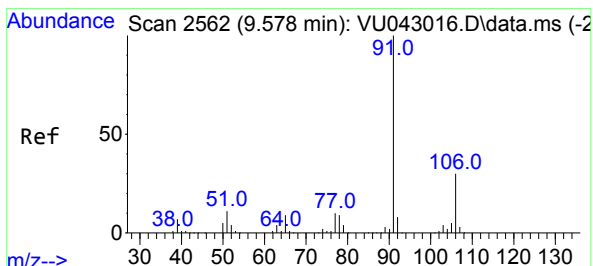
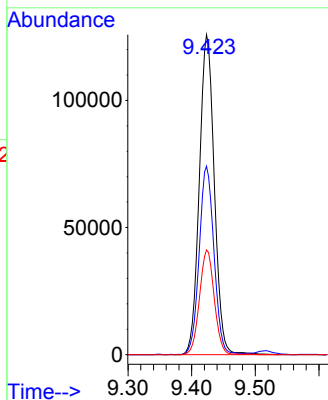
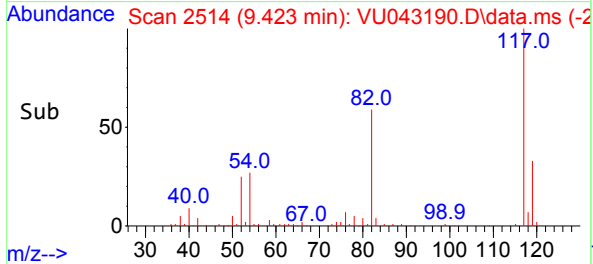
Instrument :
MSVOA_U
ClientSampled :
124-GW-2DL



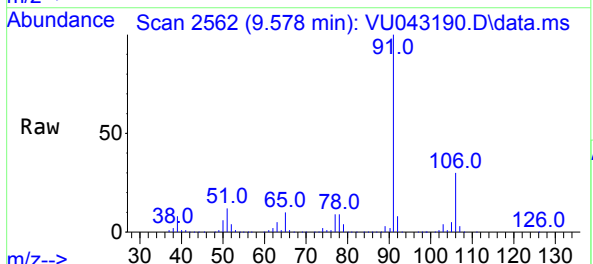
Tgt Ion:117 Resp: 206171
Ion Ratio Lower Upper
117 100
82 58.8 45.8 68.6
119 32.7 25.8 38.8

Manual Integrations
APPROVED

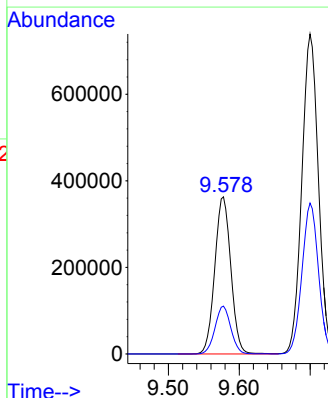
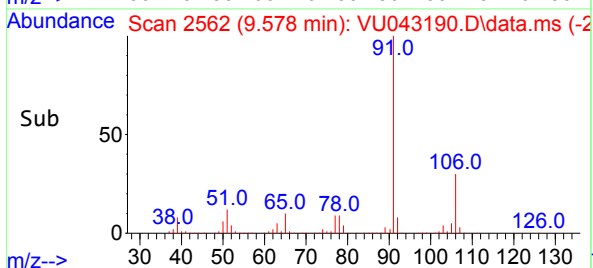
MMDadoda
4/23/2021 12:27:31 PM

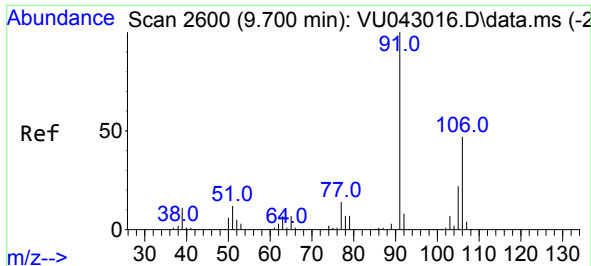


#67
Ethyl Benzene
Concen: 71.69 ug/l
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45



Tgt Ion: 91 Resp: 572014
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1





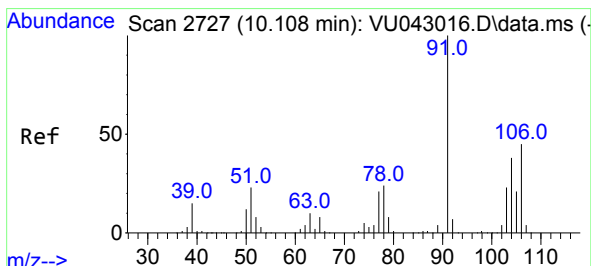
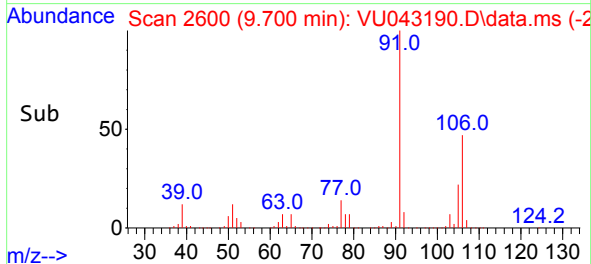
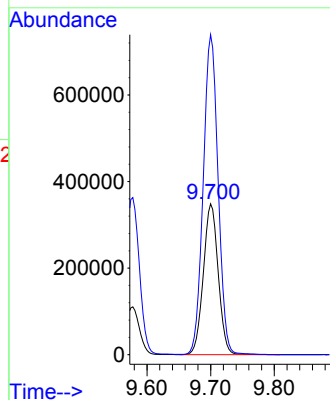
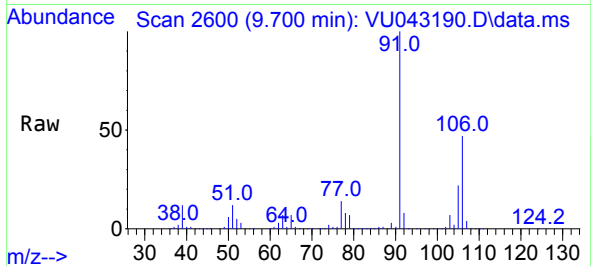
#68
m/p-Xylenes
Concen: 191.37 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

Tgt Ion:106 Resp: 564983
Ion Ratio Lower Upper
106 100
91 212.1 169.9 254.9

Instrument :
MSVOA_U
ClientSampleId :
124-GW-2DL

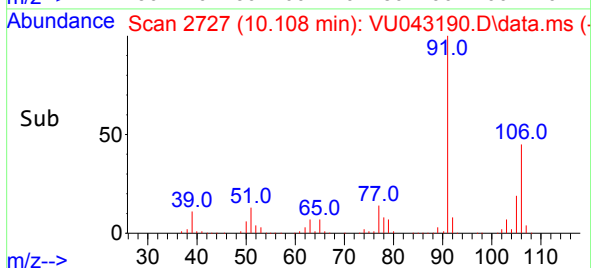
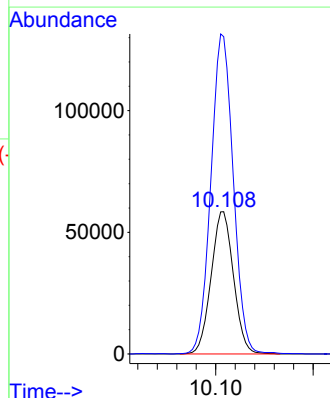
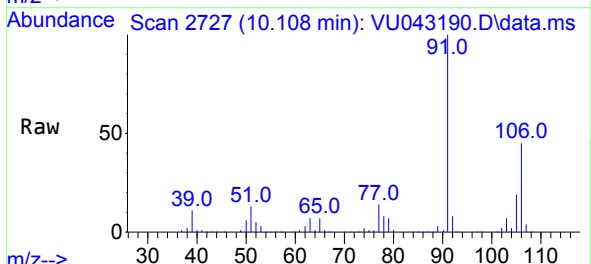
Manual Integrations
APPROVED

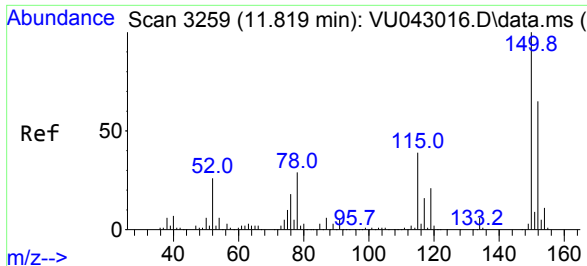
MMDadoda
4/23/2021 12:27:31 PM



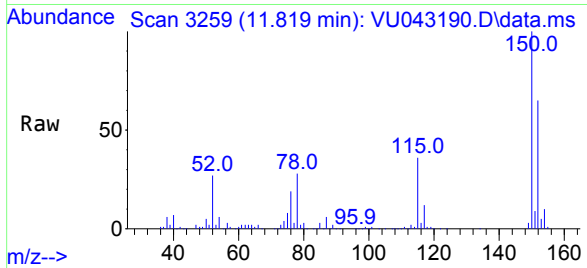
#69
o-Xylene
Concen: 32.27 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

Tgt Ion:106 Resp: 92978
Ion Ratio Lower Upper
106 100
91 225.6 111.2 333.6

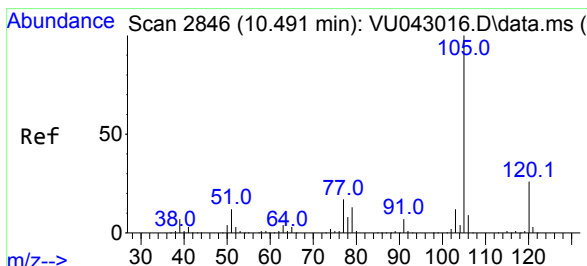
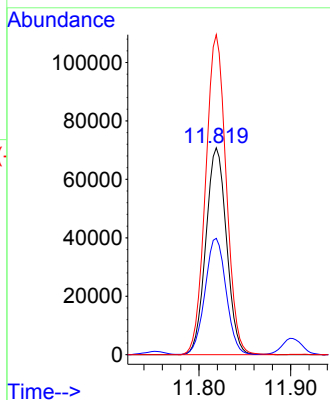
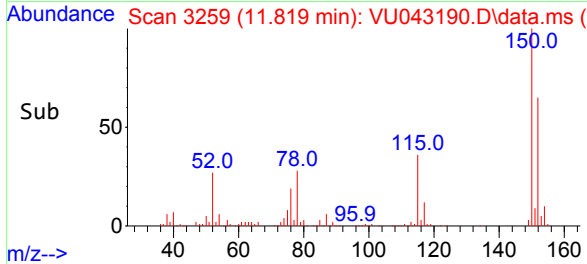




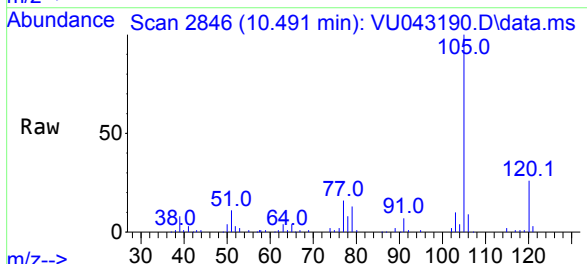
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45



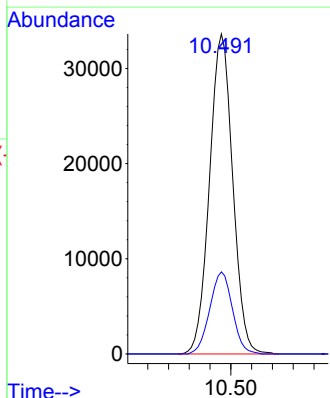
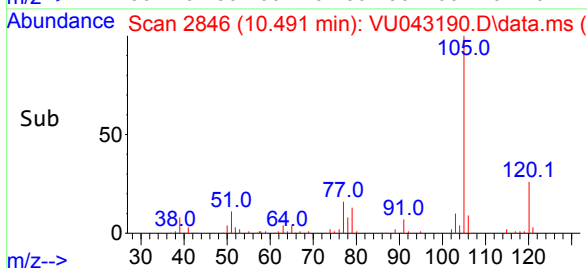
Tgt Ion:152 Resp: 111018
Ion Ratio Lower Upper
152 100
115 57.5 41.5 124.6
150 153.5 0.0 342.4



#73
Isopropylbenzene
Concen: 7.00 ug/l
RT: 10.491 min Scan# 2846
Delta R.T. -0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45



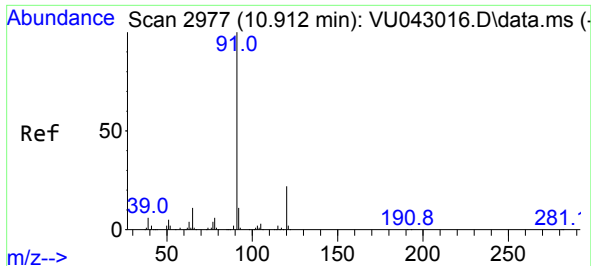
Tgt Ion:105 Resp: 52160
Ion Ratio Lower Upper
105 100
120 25.0 13.1 39.3



Instrument :
MSVOA_U
ClientSampled :
124-GW-2DL

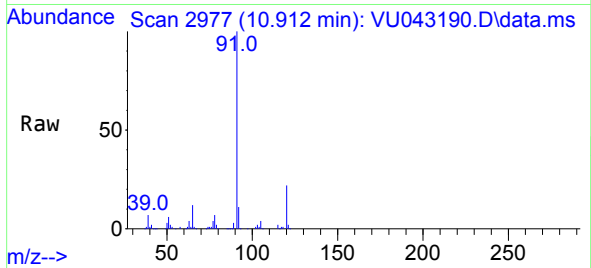
Manual Integrations
APPROVED

MMDadoda
4/23/2021 12:27:31 PM



#78
n-propylbenzene
Concen: 16.67 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. 0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

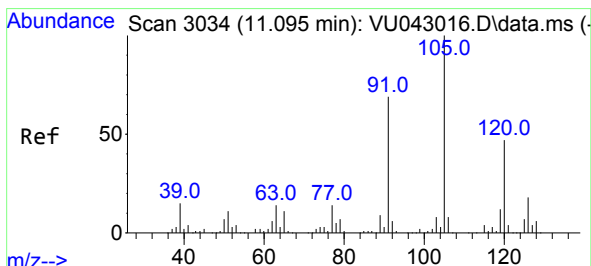
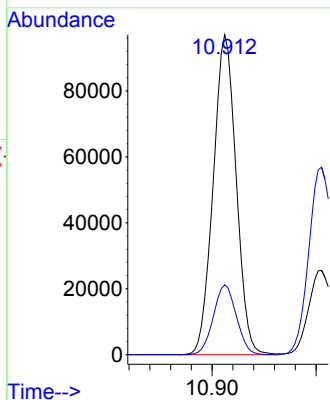
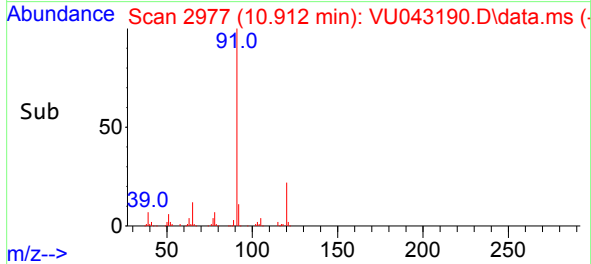
Instrument :
MSVOA_U
ClientSampleId :
124-GW-2DL



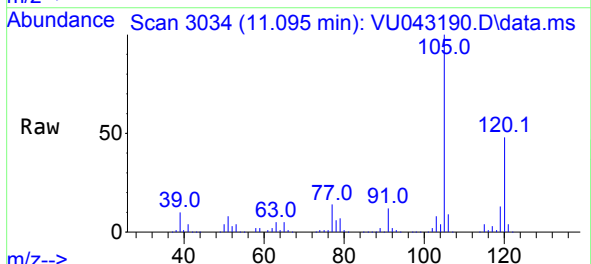
Tgt Ion: 91 Resp: 148755
Ion Ratio Lower Upper
91 100
120 21.9 11.2 33.6

Manual Integrations
APPROVED

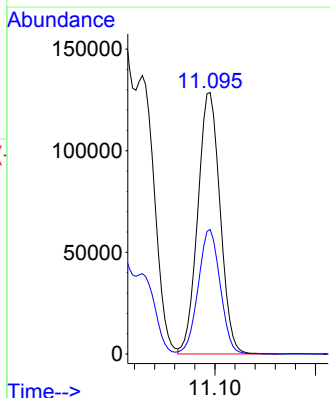
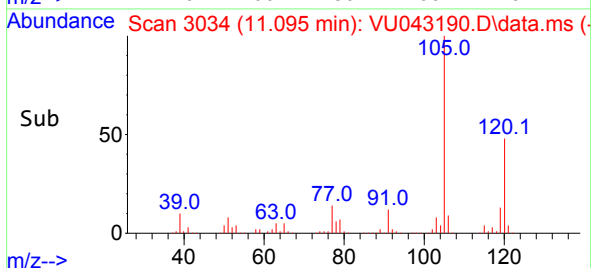
MMDadoda
4/23/2021 12:27:31 PM

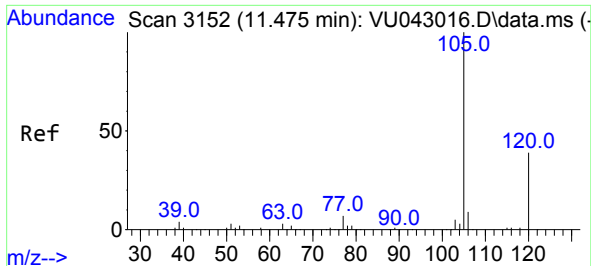


#80
1,3,5-Trimethylbenzene
Concen: 30.17 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45



Tgt Ion: 105 Resp: 198452
Ion Ratio Lower Upper
105 100
120 46.9 23.8 71.4





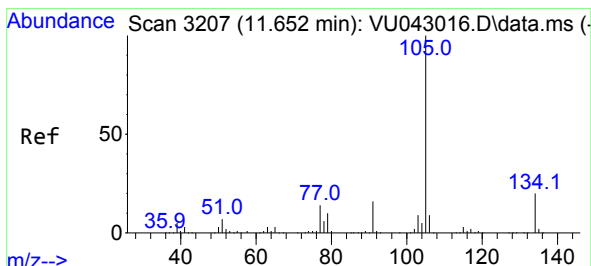
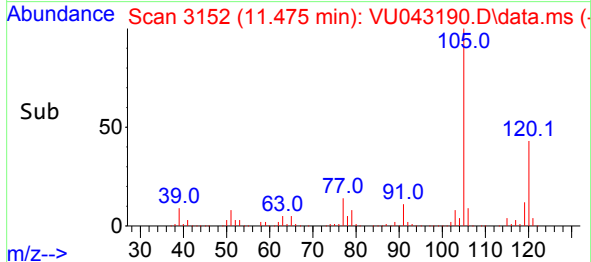
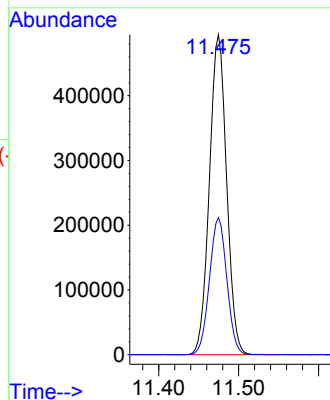
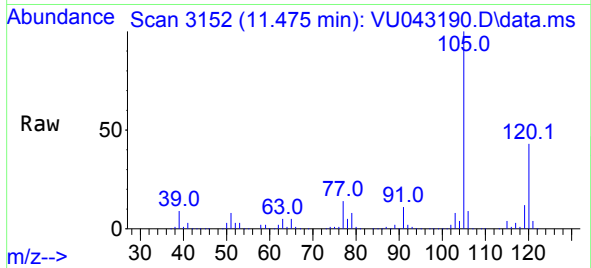
#84
1,2,4-Trimethylbenzene
Concen: 109.24 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

Tgt Ion:105 Resp: 738276
Ion Ratio Lower Upper
105 100
120 43.3 22.3 66.8

Instrument :
MSVOA_U
ClientSampled :
124-GW-2DL

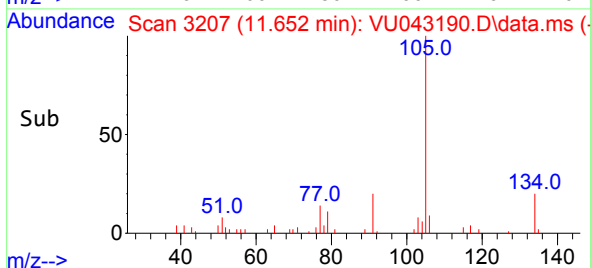
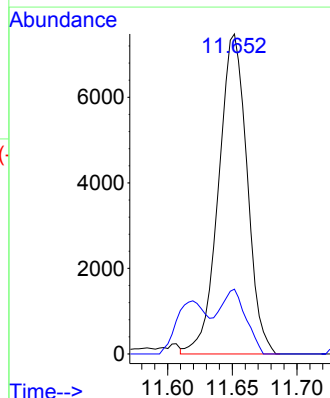
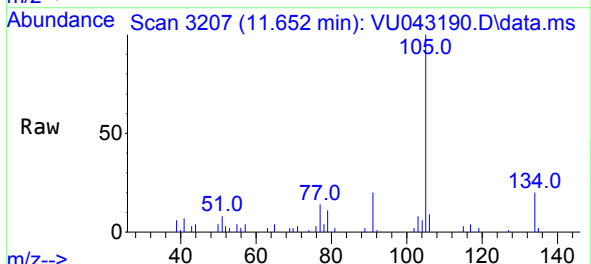
Manual Integrations
APPROVED

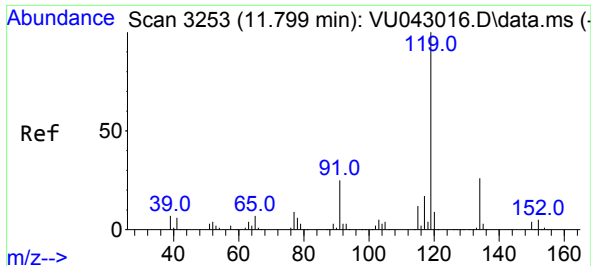
MMDadoda
4/23/2021 12:27:31 PM



#85
sec-Butylbenzene
Concen: 1.52 ug/l m
RT: 11.652 min Scan# 3207
Delta R.T. -0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

Tgt Ion:105 Resp: 11515
Ion Ratio Lower Upper
105 100
134 0.0 10.0 30.0#





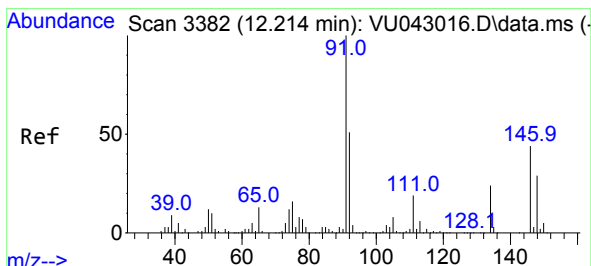
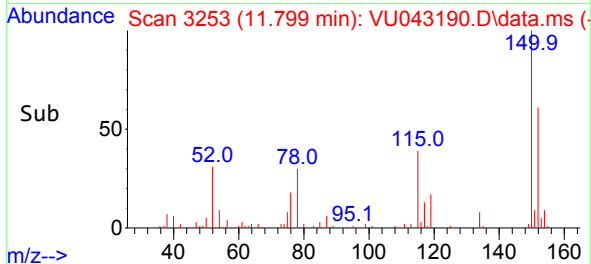
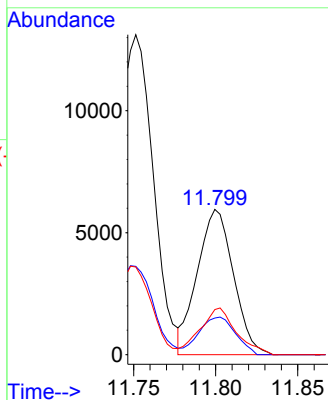
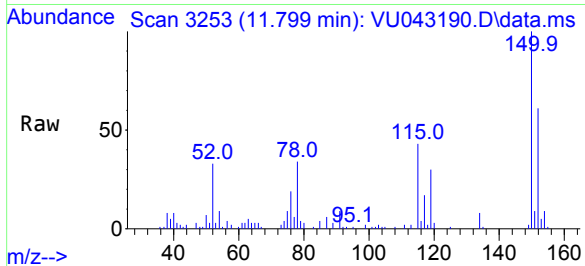
#86
p-Isopropyltoluene
Concen: 1.31 ug/l
RT: 11.799 min Scan# 3253
Delta R.T. 0.000 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

Tgt Ion:	119	Resp:	9128
Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.6
91	32.1	12.8	38.3

Instrument :
MSVOA_U
ClientSampleId :
124-GW-2DL

Manual Integrations
APPROVED

MMDadoda
4/23/2021 12:27:31 PM



#89
n-Butylbenzene
Concen: 5.14 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. -0.006 min
Lab File: VU043190.D
Acq: 19 Apr 2021 13:45

Tgt Ion:	91	Resp:	33614
Ion	Ratio	Lower	Upper
91	100		
92	30.6	26.2	78.6
134	101.7	12.7	38.1#

