

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
 Data File : VD072426.D
 Acq On : 25 Mar 2022 13:51
 Operator : VA/SY
 Sample : N1977-01
 Misc : 5.30G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12-20220315-16.0-17.0

Quant Time: Mar 26 00:10:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/29/2022
 Supervised By :Semsettin Yesilyurt 03/29/2022

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	402044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	694300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	753057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	329240	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	187366	41.818	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.640%		
35) Dibromofluoromethane	7.914	113	203263	41.602	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.200%		
50) Toluene-d8	10.337	98	884888	49.532	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.060%		
62) 4-Bromofluorobenzene	12.620	95	399167	57.504	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	115.000%		
Target Compounds					Qvalue	
16) Acetone	4.161	43	50471	51.881	ug/l	97
17) Carbon Disulfide	4.414	76	44450	6.504	ug/l	97
25) 2-Butanone	7.208	43	19420	14.972	ug/l	94
39) Methylcyclohexane	9.349	83	130217	16.883	ug/l	98
40) Benzene	8.349	78	3733969	190.955	ug/l	99
52) Toluene	10.396	92	378299	29.400	ug/l	96
65) Chlorobenzene	11.661	112	447946	26.831	ug/l	99
67) Ethyl Benzene	11.737	91	5196280	174.267	ug/l	98
68) m/p-Xylenes	11.843	106	321040	28.354	ug/l	98
69) o-Xylene	12.173	106	363769	33.589	ug/l	100
73) Isopropylbenzene	12.473	105	3032559	116.232	ug/l	99
78) n-propylbenzene	12.814	91	1922627	60.668	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1571511	70.112	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	6492232	293.961	ug/l	96
85) sec-Butylbenzene	13.390	105	313306	10.617	ug/l	# 59
86) p-Isopropyltoluene	13.508	119	982335	40.453	ug/l	94
89) n-Butylbenzene	13.831	91	704144m	30.421	ug/l	
95) Naphthalene	15.372	128	26843401m	2192.025	ug/l	

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

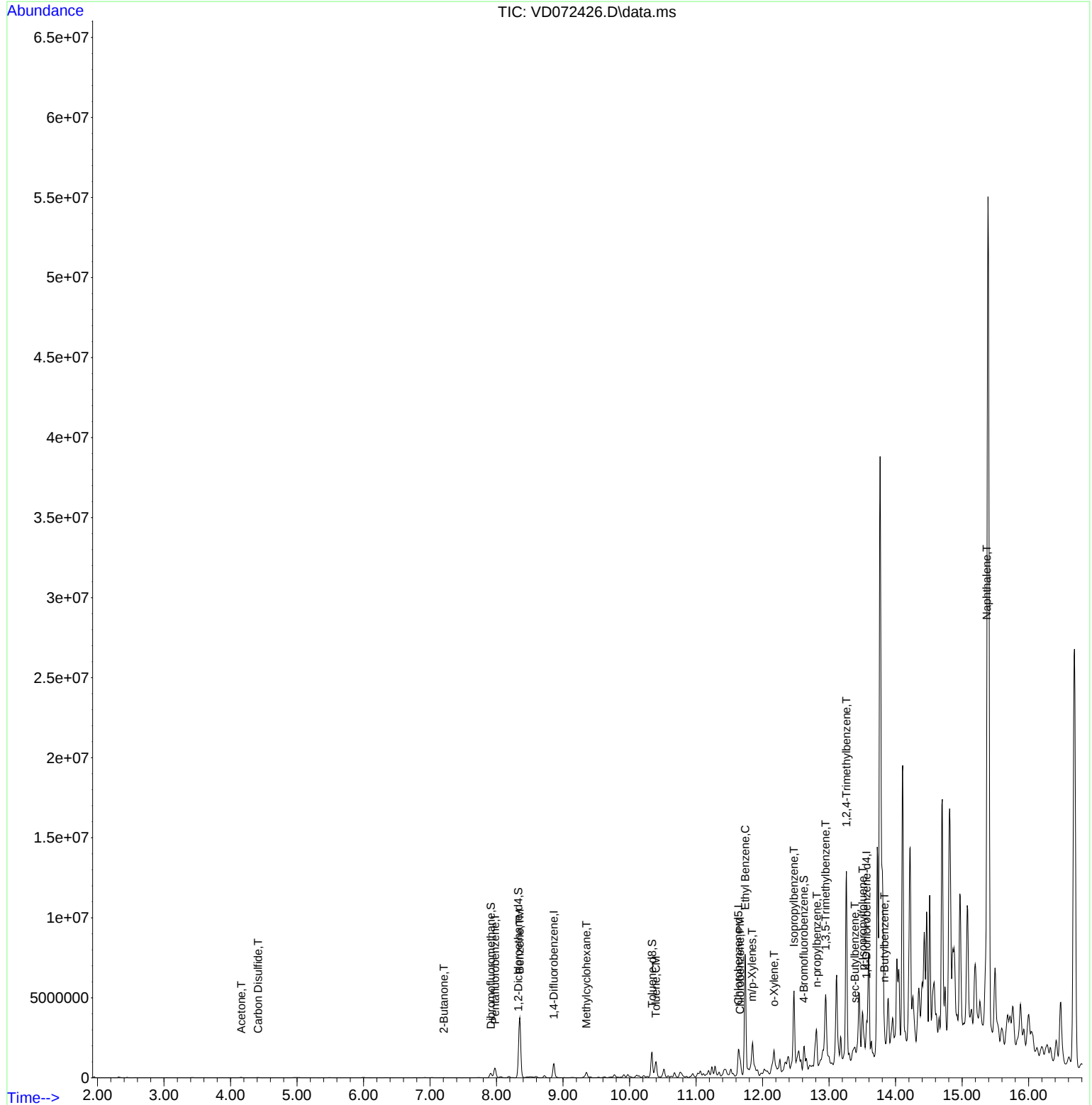
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
Data File : VD072426.D
Acq On : 25 Mar 2022 13:51
Operator : VA/SY
Sample : N1977-01
Misc : 5.30G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022

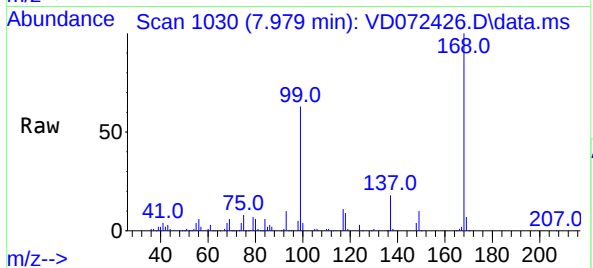
Quant Time: Mar 26 00:10:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration





Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

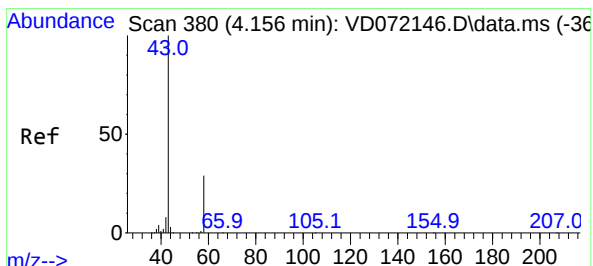
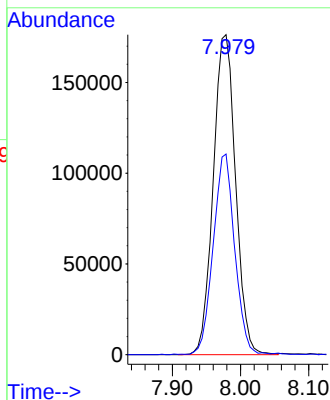
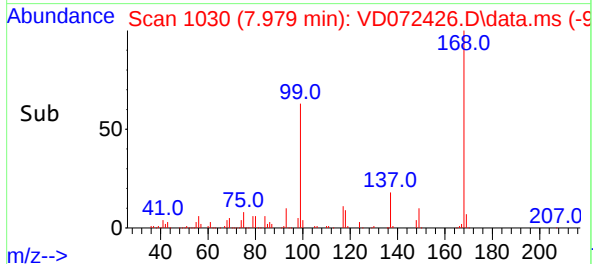
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0



Tgt Ion:168 Resp: 402044
Ion Ratio Lower Upper
168 100
99 62.6 49.8 74.6

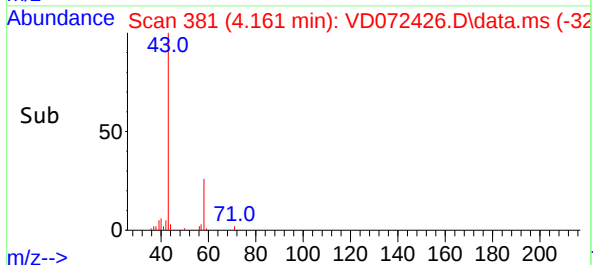
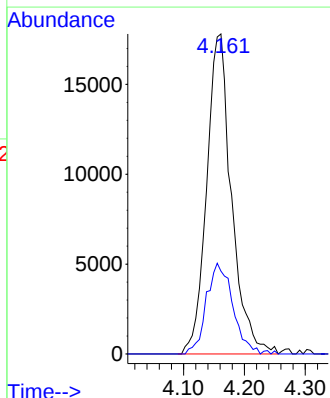
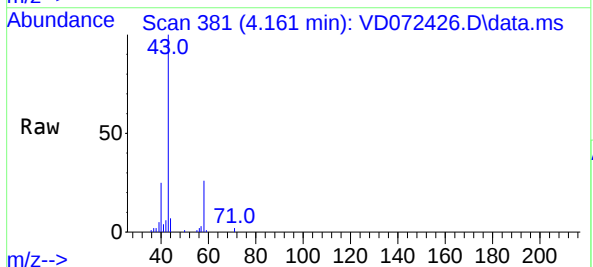
Manual Integrations
APPROVED

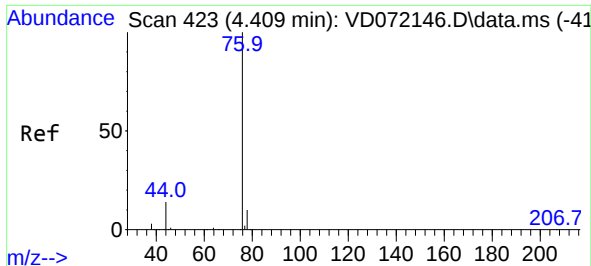
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#16
Acetone
Concen: 51.881 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

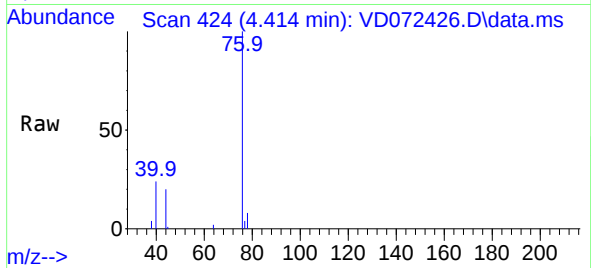
Tgt Ion: 43 Resp: 50471
Ion Ratio Lower Upper
43 100
58 25.9 22.1 33.1





#17
Carbon Disulfide
Concen: 6.504 ug/l
RT: 4.414 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

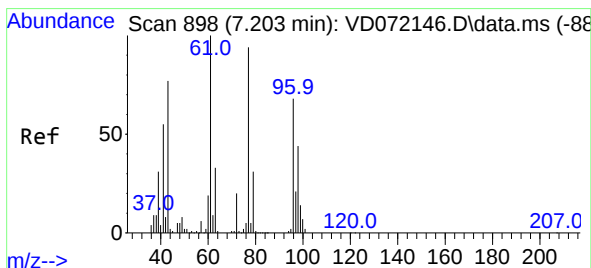
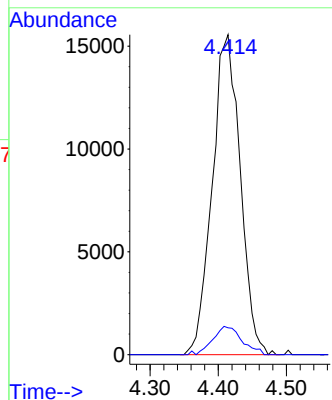
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0



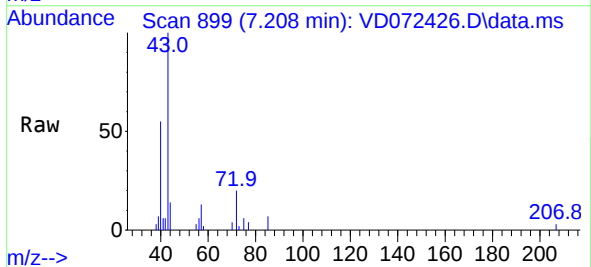
Tgt Ion: 76 Resp: 44450
Ion Ratio Lower Upper
76 100
78 8.4 7.5 11.3

Manual Integrations
APPROVED

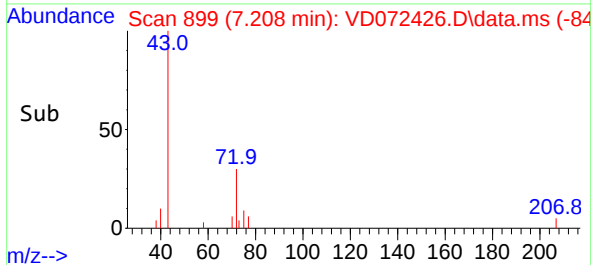
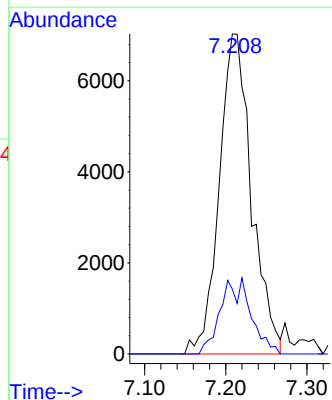
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022

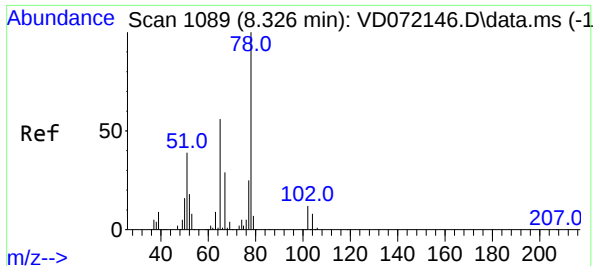


#25
2-Butanone
Concen: 14.972 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.006 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51



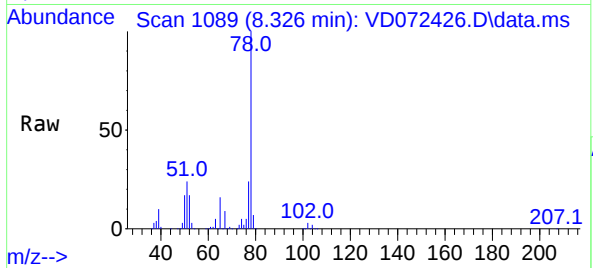
Tgt Ion: 43 Resp: 19420
Ion Ratio Lower Upper
43 100
72 20.2 18.6 27.8





#33
1,2-Dichloroethane-d4
Concen: 41.818 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

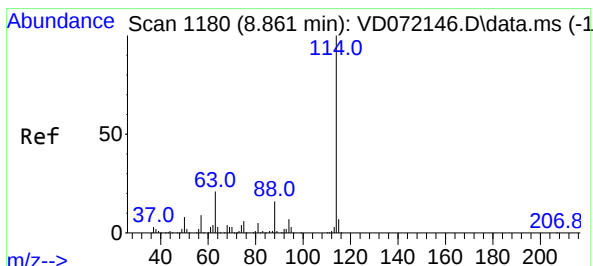
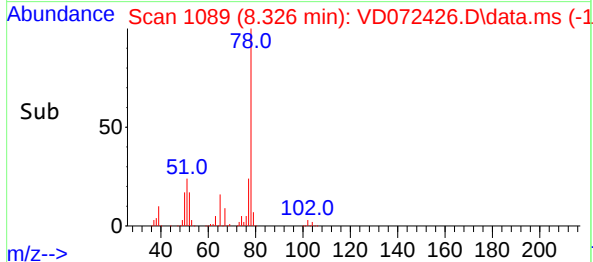
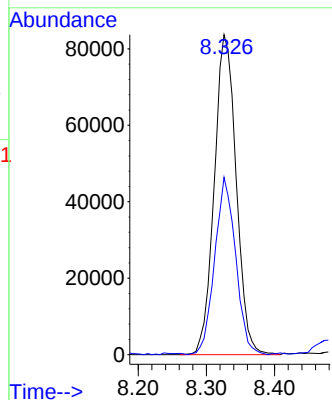
Instrument : MSVOA_D
ClientSampleId : SB-12-20220315-16.0-17.0



Tgt Ion: 65 Resp: 187360
Ion Ratio Lower Upper
65 100
67 53.0 0.0 101.4

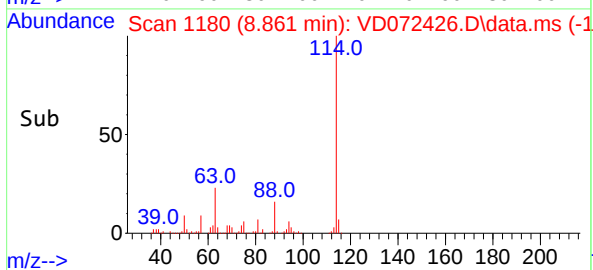
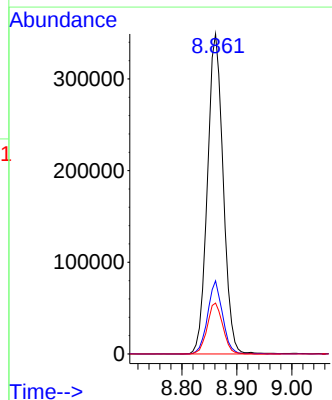
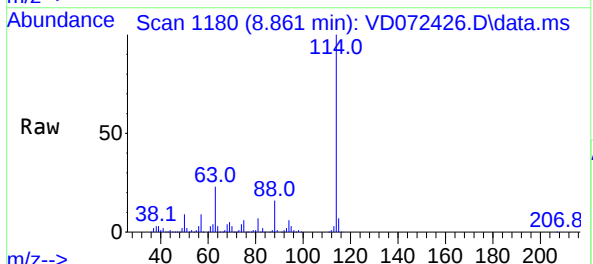
Manual Integrations
APPROVED

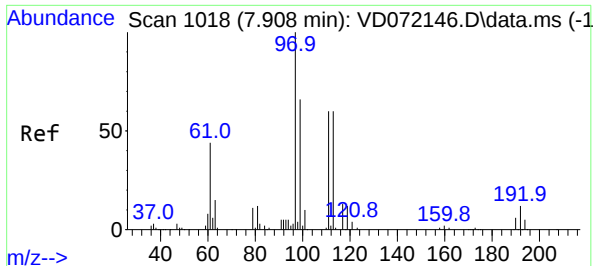
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

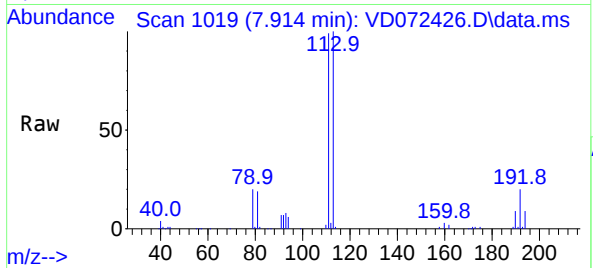
Tgt Ion:114 Resp: 694300
Ion Ratio Lower Upper
114 100
63 22.9 0.0 46.6
88 15.9 0.0 33.2





#35
Dibromofluoromethane
Concen: 41.602 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

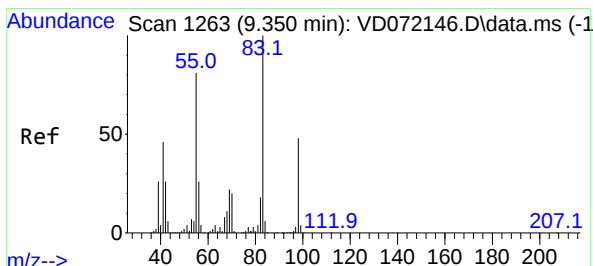
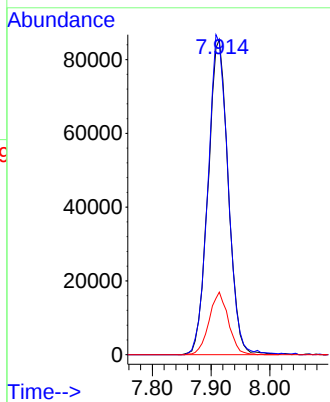
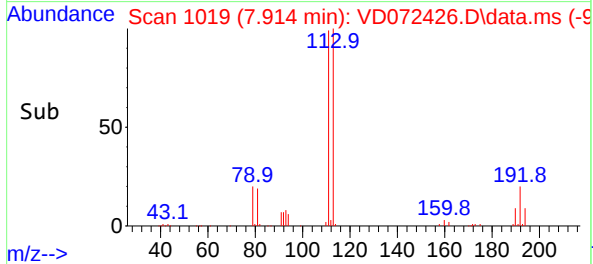
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0



Tgt Ion: 113 Resp: 20326
Ion Ratio Lower Upper
113 100
111 101.3 83.8 125.6
192 19.0 14.6 21.8

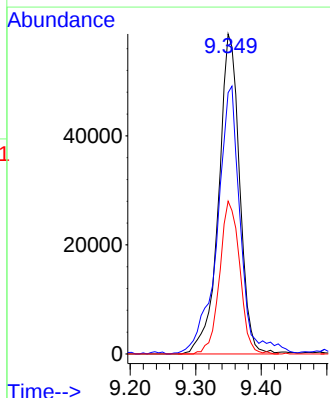
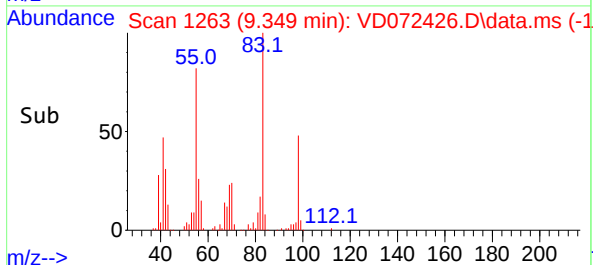
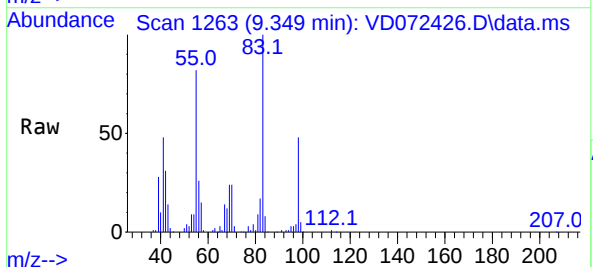
Manual Integrations
APPROVED

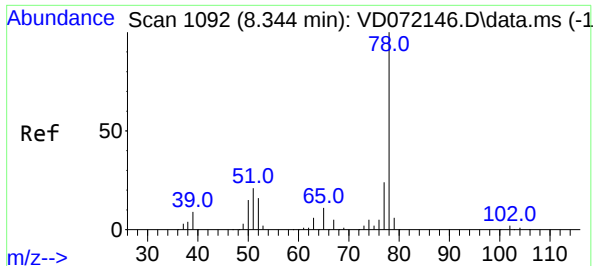
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#39
Methylcyclohexane
Concen: 16.883 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

Tgt Ion: 83 Resp: 130217
Ion Ratio Lower Upper
83 100
55 81.3 63.2 94.8
98 47.8 38.2 57.4





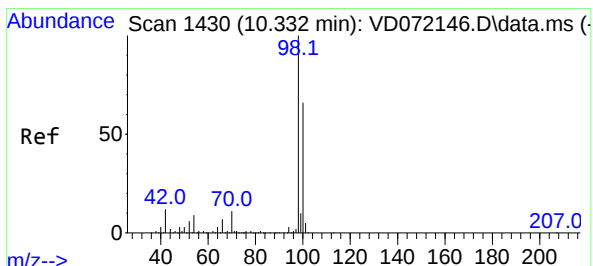
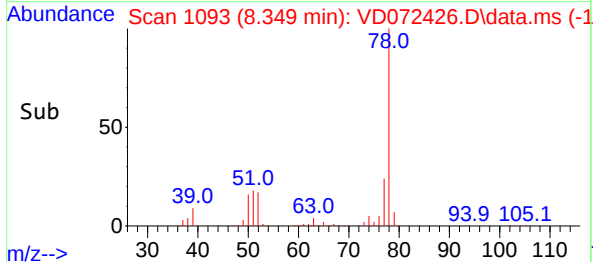
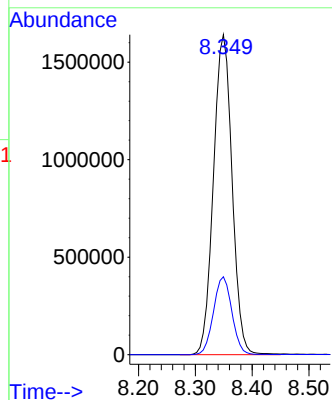
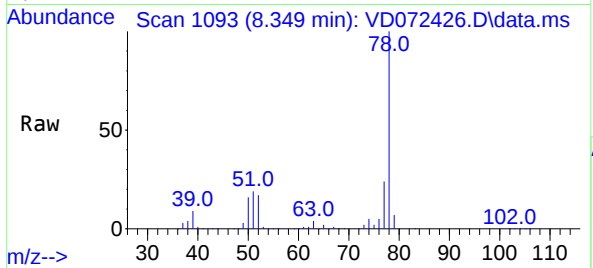
#40
Benzene
Concen: 190.955 ug/l
RT: 8.349 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0

Tgt Ion: 78 Resp: 373396
Ion Ratio Lower Upper
78 100
77 24.4 19.1 28.7

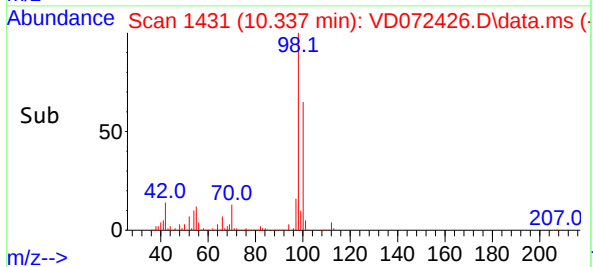
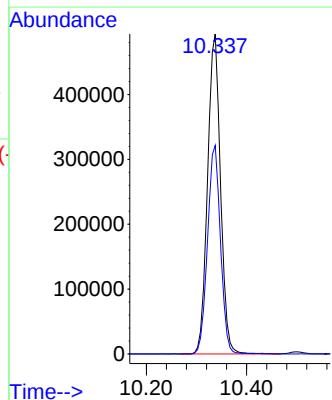
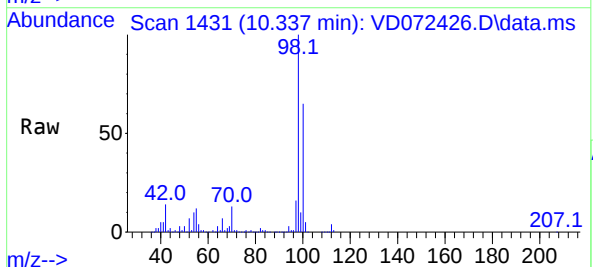
Manual Integrations
APPROVED

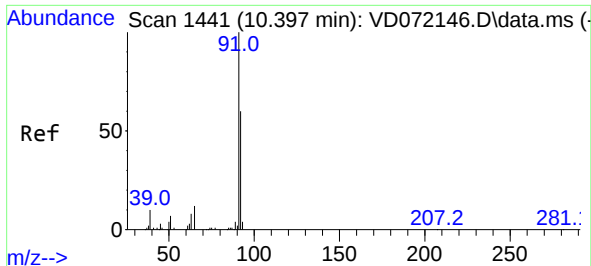
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#50
Toluene-d8
Concen: 49.532 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

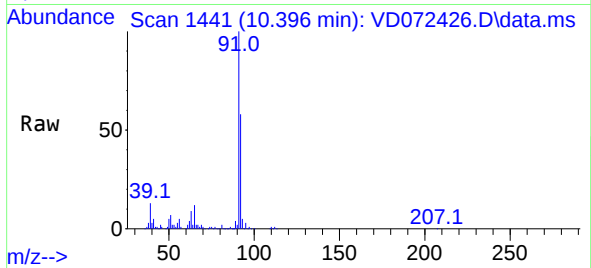
Tgt Ion: 98 Resp: 884888
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6





#52
Toluene
Concen: 29.400 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

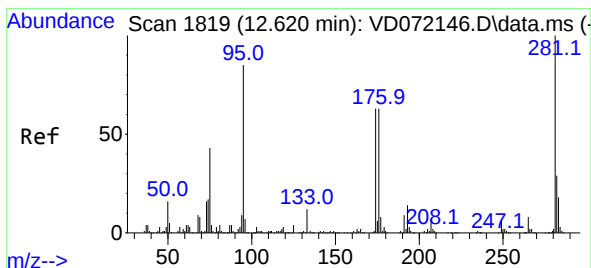
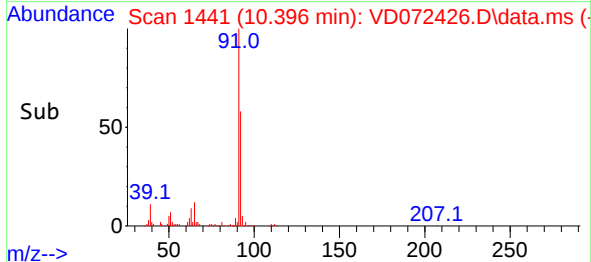
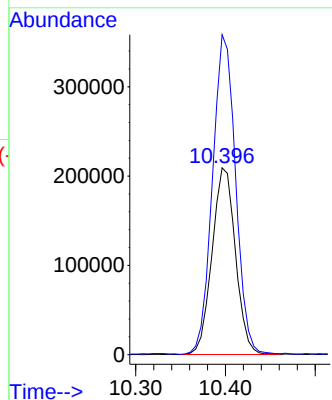
Instrument : MSVOA_D
ClientSampleId : SB-12-20220315-16.0-17.0



Tgt Ion: 92 Resp: 378299
Ion Ratio Lower Upper
92 100
91 169.1 139.6 209.4

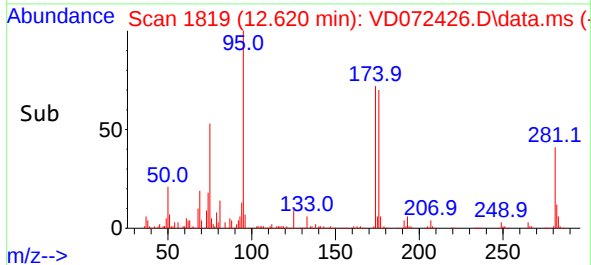
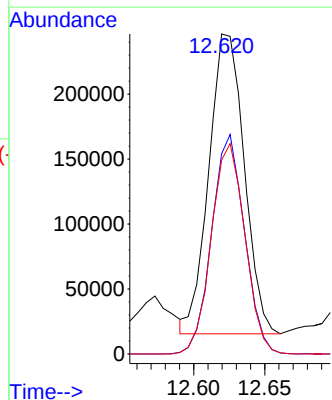
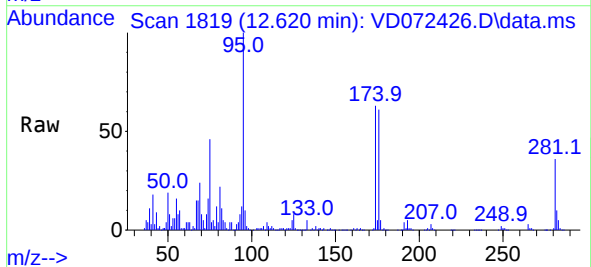
Manual Integrations
APPROVED

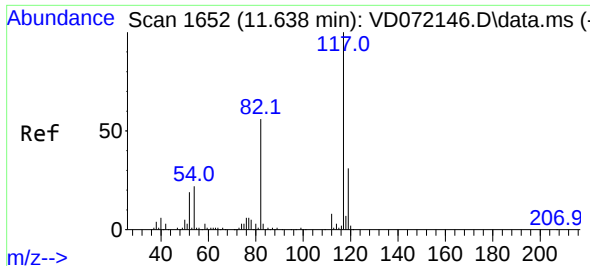
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#62
4-Bromofluorobenzene
Concen: 57.504 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

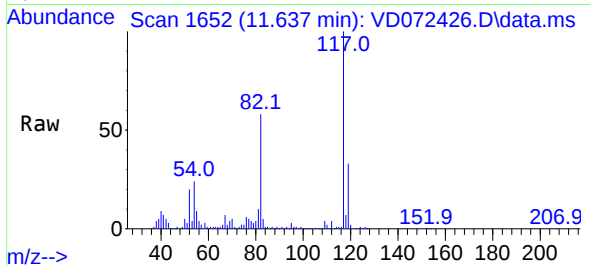
Tgt Ion: 95 Resp: 399167
Ion Ratio Lower Upper
95 100
174 68.0 0.0 152.8
176 66.5 0.0 145.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

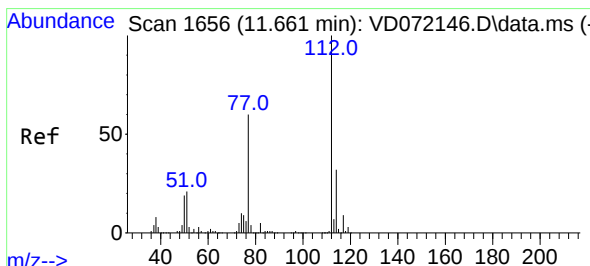
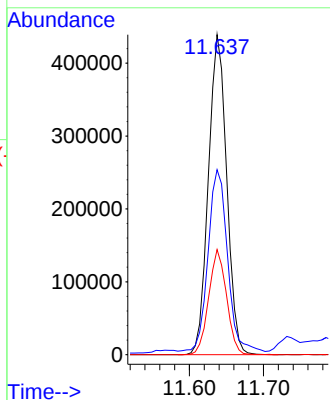
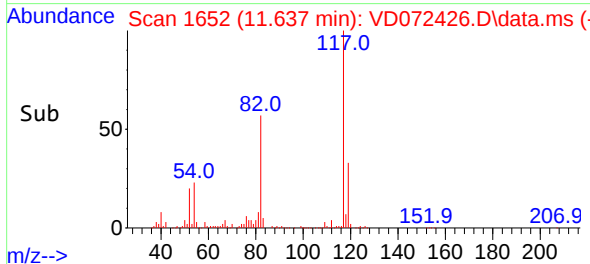
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0



Tgt Ion:117 Resp: 75305
Ion Ratio Lower Upper
117 100
82 56.7 45.3 67.9
119 32.8 26.6 40.0

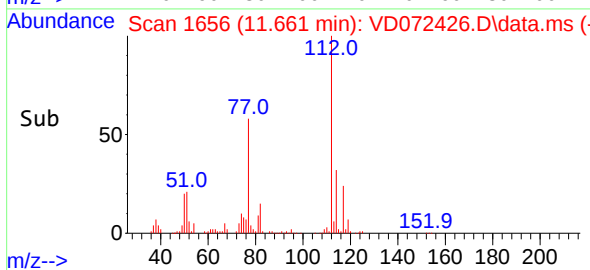
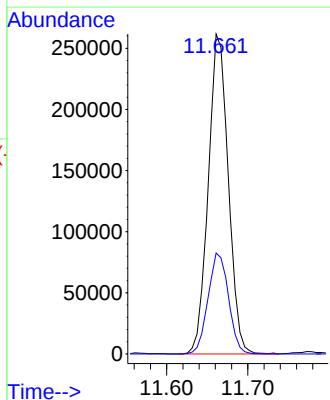
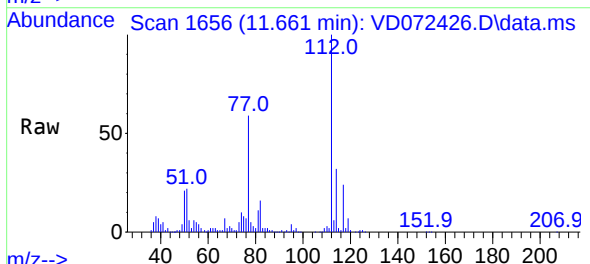
Manual Integrations
APPROVED

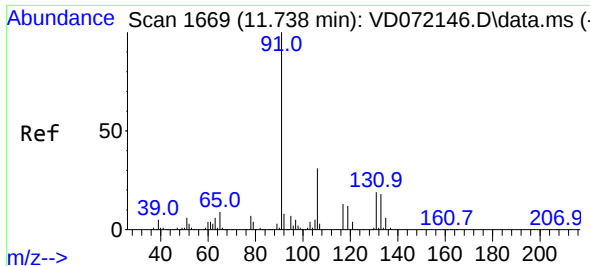
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#65
Chlorobenzene
Concen: 26.831 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

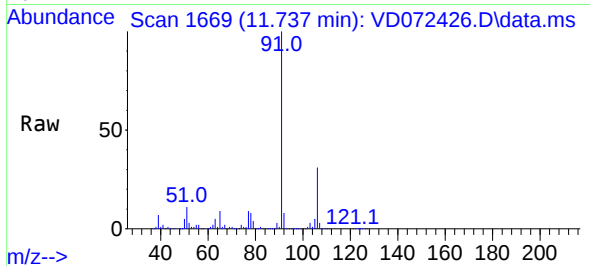
Tgt Ion:112 Resp: 447946
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6





#67
Ethyl Benzene
Concen: 174.267 ug/l
RT: 11.737 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

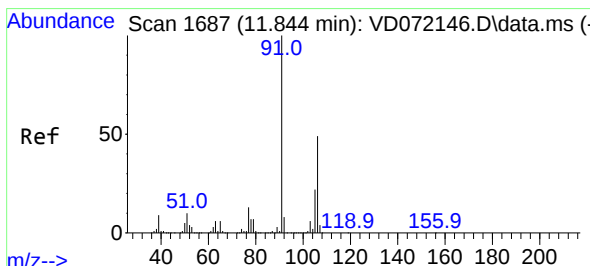
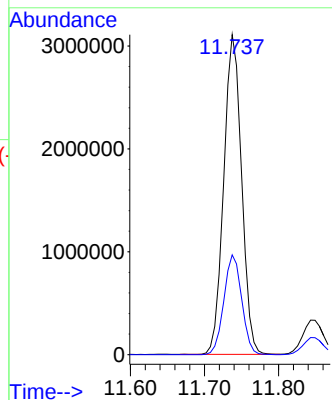
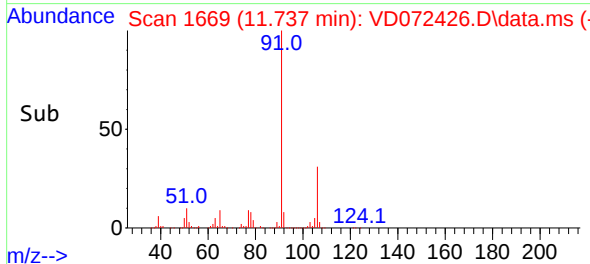
Instrument : MSVOA_D
ClientSampleId : SB-12-20220315-16.0-17.0



Tgt Ion: 91 Resp: 5196280
Ion Ratio Lower Upper
91 100
106 31.2 24.2 36.4

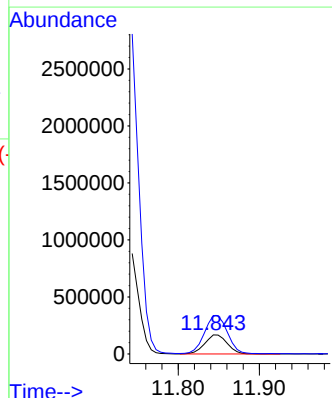
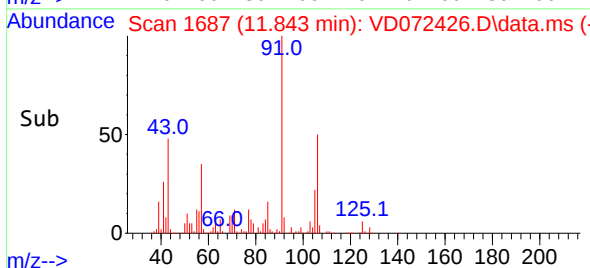
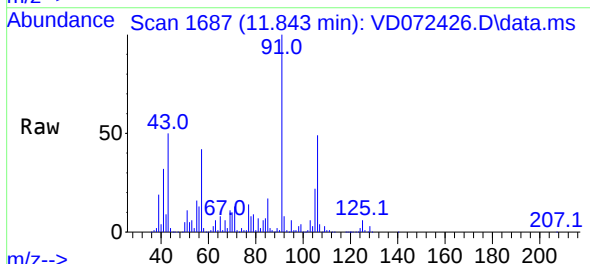
Manual Integrations
APPROVED

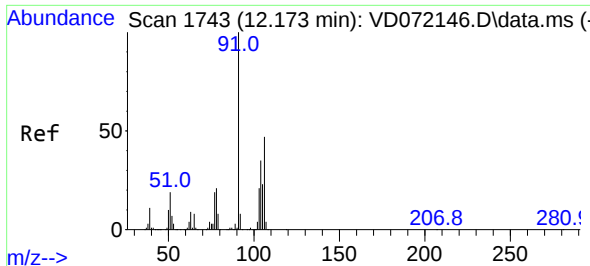
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#68
m/p-Xylenes
Concen: 28.354 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

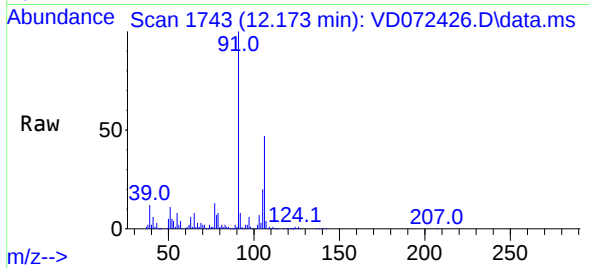
Tgt Ion:106 Resp: 321040
Ion Ratio Lower Upper
106 100
91 201.6 163.7 245.5





#69
o-Xylene
Concen: 33.589 ug/l
RT: 12.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

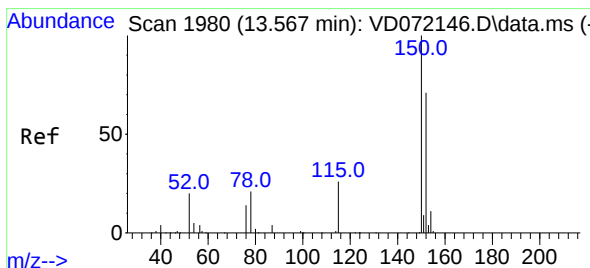
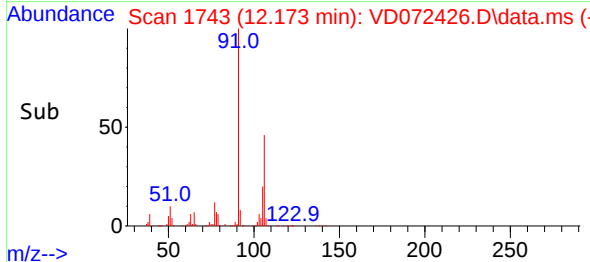
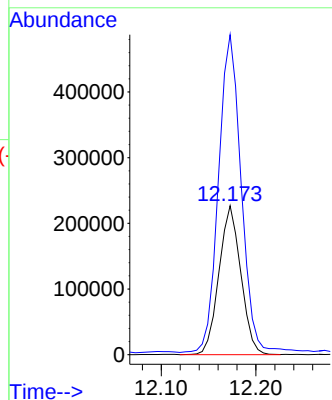
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0



Tgt Ion:106 Resp: 363769
Ion Ratio Lower Upper
106 100
91 221.3 110.4 331.2

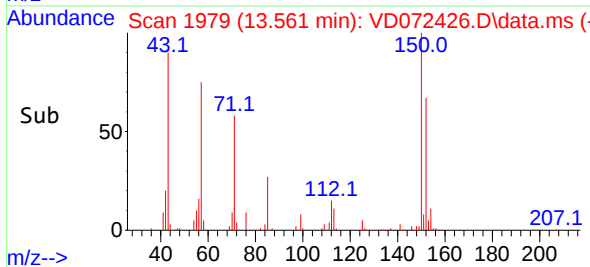
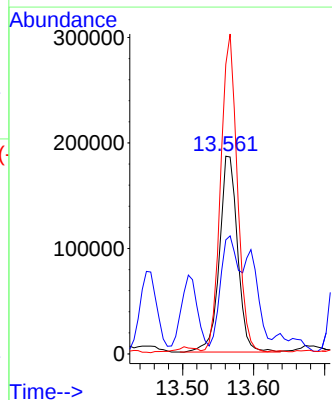
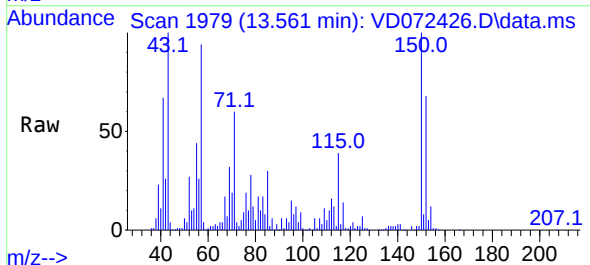
Manual Integrations
APPROVED

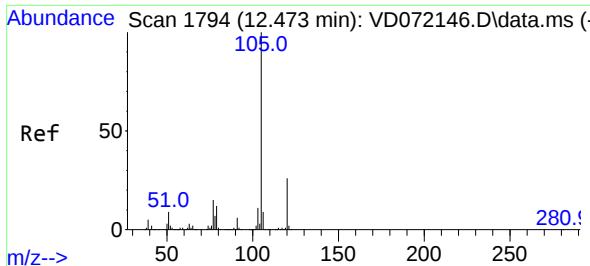
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

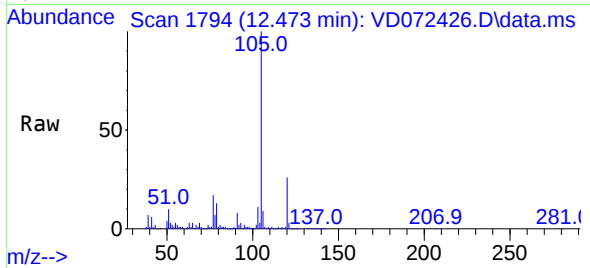
Tgt Ion:152 Resp: 329240
Ion Ratio Lower Upper
152 100
115 0.0 31.3 93.8#
150 148.1 0.0 348.6





#73
Isopropylbenzene
Concen: 116.232 ug/l
RT: 12.473 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

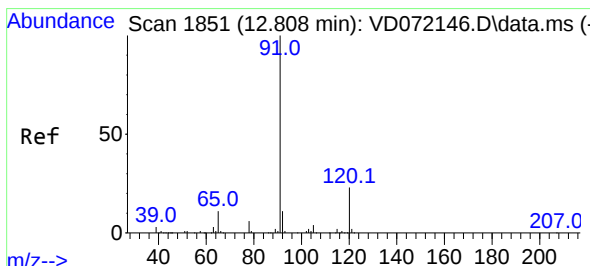
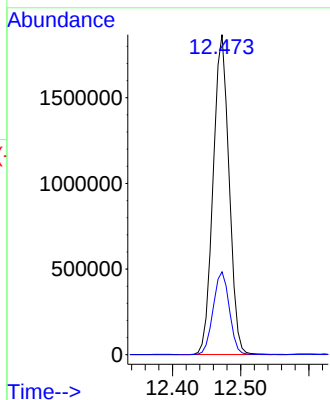
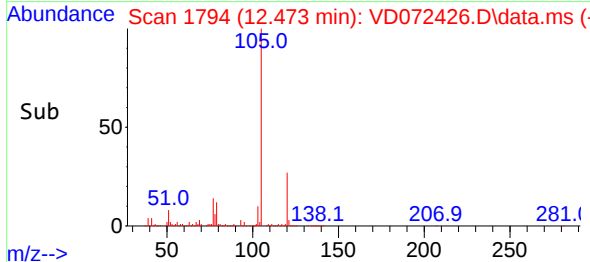
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0



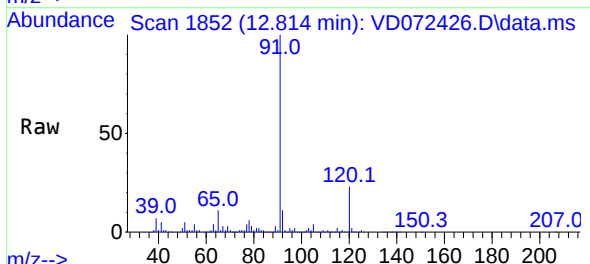
Tgt Ion:105 Resp: 303255
Ion Ratio Lower Upper
105 100
120 26.3 13.0 38.9

Manual Integrations
APPROVED

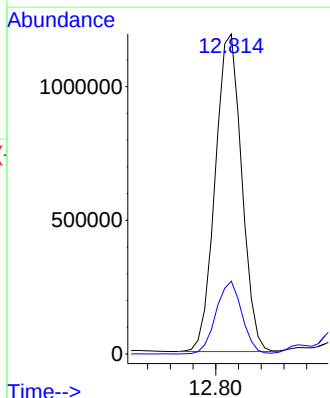
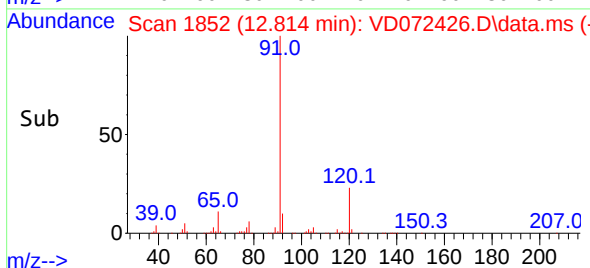
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022

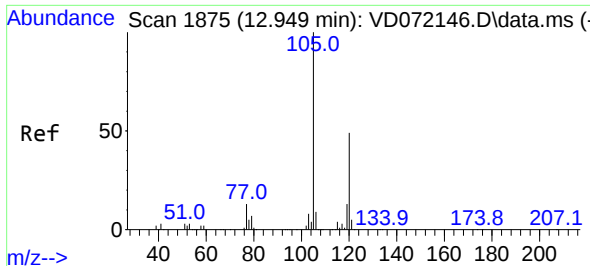


#78
n-propylbenzene
Concen: 60.668 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51



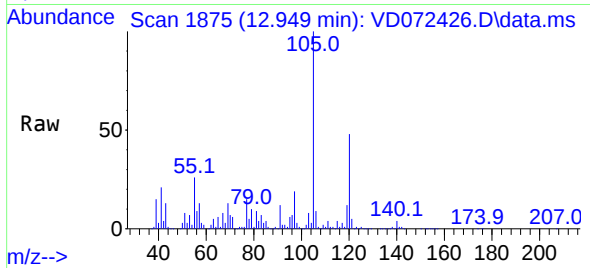
Tgt Ion: 91 Resp: 1922627
Ion Ratio Lower Upper
91 100
120 22.4 10.9 32.9





#80
1,3,5-Trimethylbenzene
Concen: 70.112 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

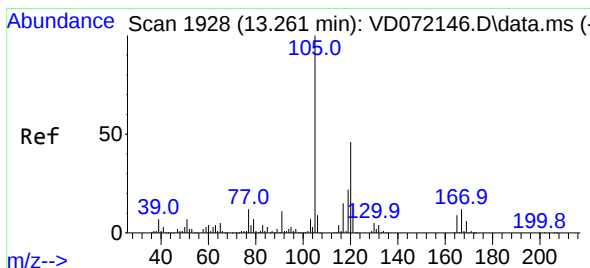
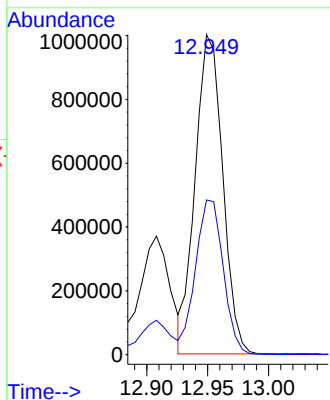
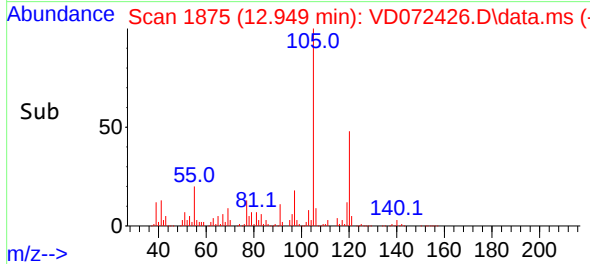
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0



Tgt Ion:105 Resp: 157151
Ion Ratio Lower Upper
105 100
120 49.0 24.3 72.8

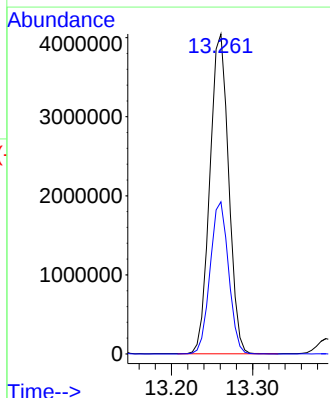
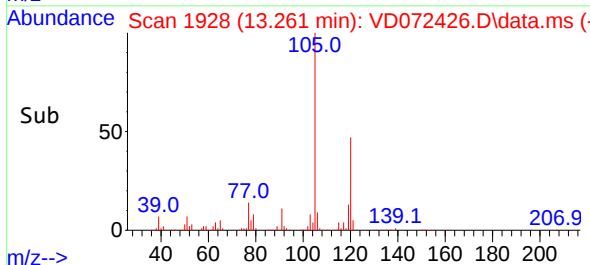
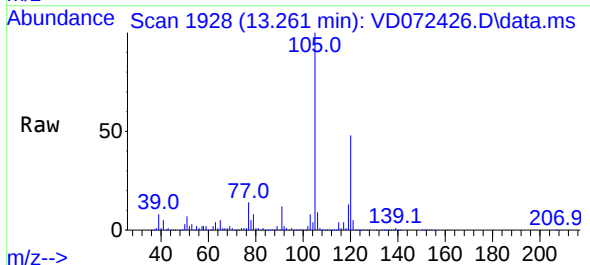
Manual Integrations
APPROVED

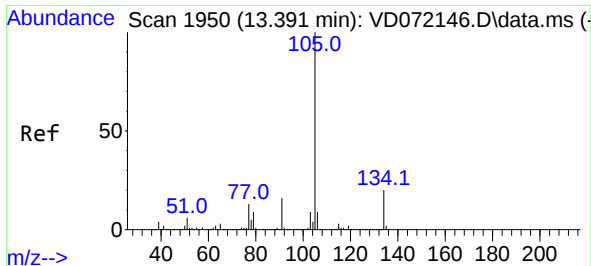
Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#84
1,2,4-Trimethylbenzene
Concen: 293.961 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

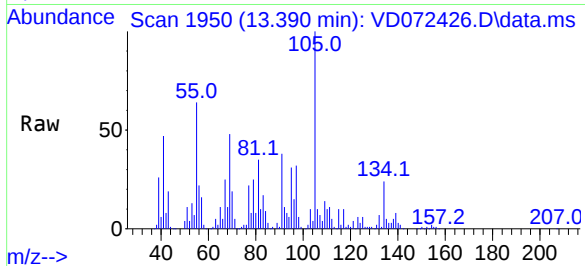
Tgt Ion:105 Resp: 6492232
Ion Ratio Lower Upper
105 100
120 46.8 22.3 66.8





#85
 sec-Butylbenzene
 Concen: 10.617 ug/l
 RT: 13.390 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD072426.D
 Acq: 25 Mar 2022 13:51

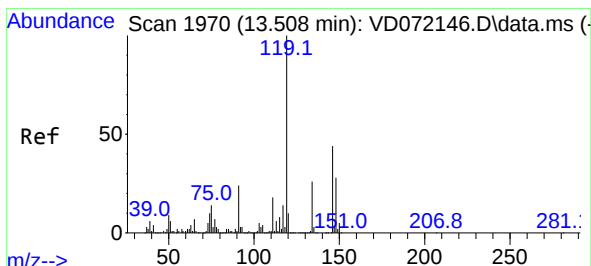
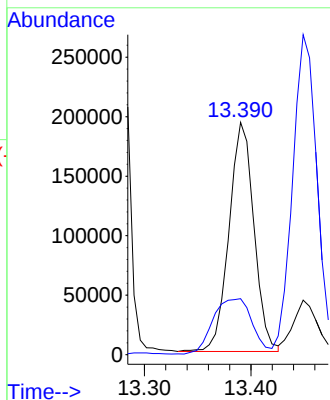
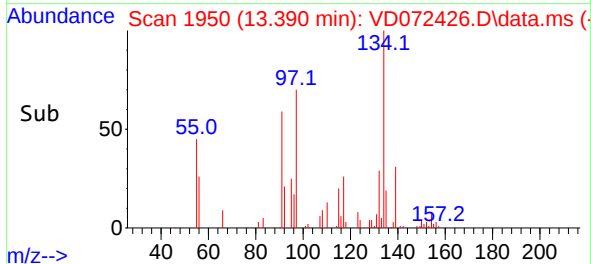
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12-20220315-16.0-17.0



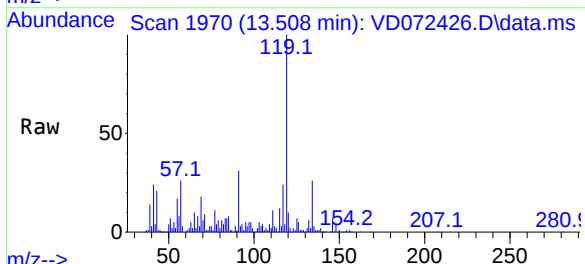
Tgt Ion:105 Resp: 313300
 Ion Ratio Lower Upper
 105 100
 134 38.0 9.8 29.3

Manual Integrations
 APPROVED

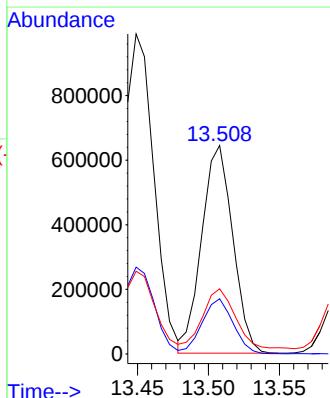
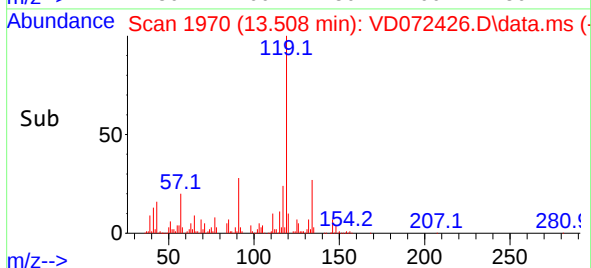
Reviewed By :Mahesh Dadoda 03/29/2022
 Supervised By :Semsettin Yesilyurt 03/29/2022

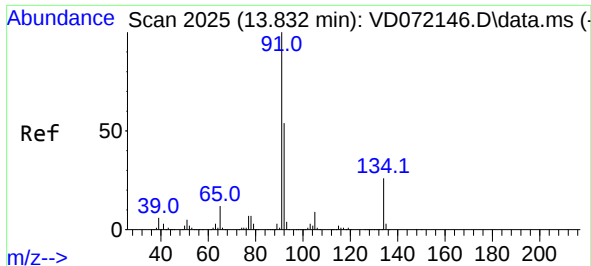


#86
 p-Isopropyltoluene
 Concen: 40.453 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. -0.000 min
 Lab File: VD072426.D
 Acq: 25 Mar 2022 13:51



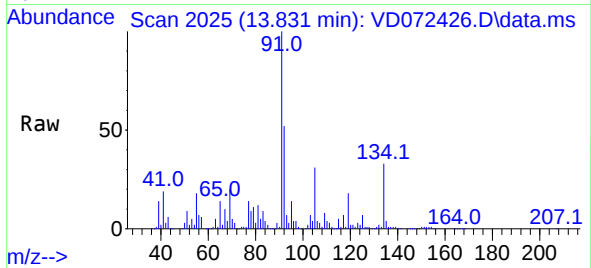
Tgt Ion:119 Resp: 982335
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.9 38.6
 91 29.7 12.1 36.3





#89
n-Butylbenzene
Concen: 30.421 ug/l m
RT: 13.831 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

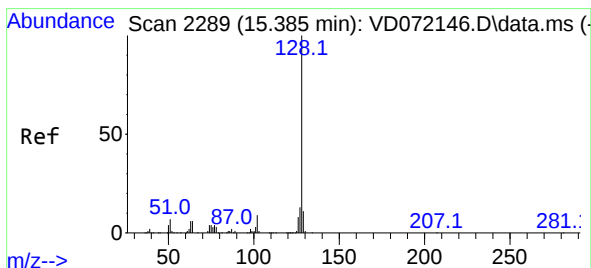
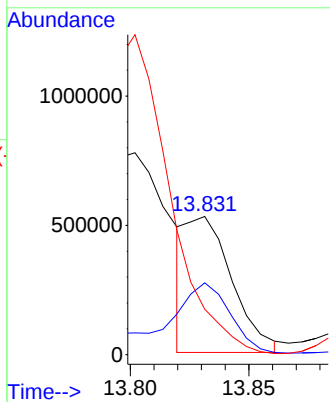
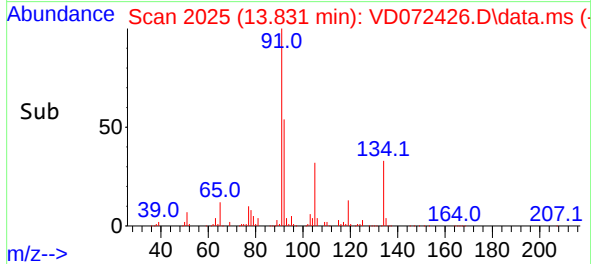
Instrument :
MSVOA_D
ClientSampleId :
SB-12-20220315-16.0-17.0



Tgt Ion: 91 Resp: 704144
Ion Ratio Lower Upper
91 100
92 59.1 26.6 79.8
134 0.0 12.3 36.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/29/2022
Supervised By :Semsettin Yesilyurt 03/29/2022



#95
Naphthalene
Concen: 2192.025 ug/l m
RT: 15.372 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD072426.D
Acq: 25 Mar 2022 13:51

Tgt Ion:128 Resp:26843401
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

