

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121623\
 Data File : VD077933.D
 Acq On : 16 Dec 2023 14:56
 Operator : RP/MD
 Sample : 05789-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 E8965C-5-001

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 18 01:58:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	38689	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	73744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	78033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	40711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	28158	61.764	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.520%			
35) Dibromofluoromethane	7.805	113	19378	37.514	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 75.020%			
50) Toluene-d8	10.269	98	93927	45.400	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.800%			
62) 4-Bromofluorobenzene	12.569	95	31726	51.292	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.580%			
Target Compounds						
						Qvalue
16) Acetone	4.028	43	6709	41.817	ug/l	# 82
67) Ethyl Benzene	11.675	91	4701	1.447	ug/l	99
68) m/p-Xylenes	11.781	106	8241	6.632	ug/l	92
69) o-Xylene	12.122	106	7233	6.316	ug/l	88
70) Styrene	12.134	104	5645	3.315	ug/l	# 70
73) Isopropylbenzene	12.416	105	6081	1.971	ug/l	98
78) n-propylbenzene	12.763	91	33382	8.879	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	125432	48.741	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	523595	203.422	ug/l	96
85) sec-Butylbenzene	13.340	105	5350m	1.666	ug/l	
86) p-Isopropyltoluene	13.457	119	5026m	1.748	ug/l	
89) n-Butylbenzene	13.787	91	6967m	2.575	ug/l	
95) Naphthalene	15.328	128	1032682	720.880	ug/l	100

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

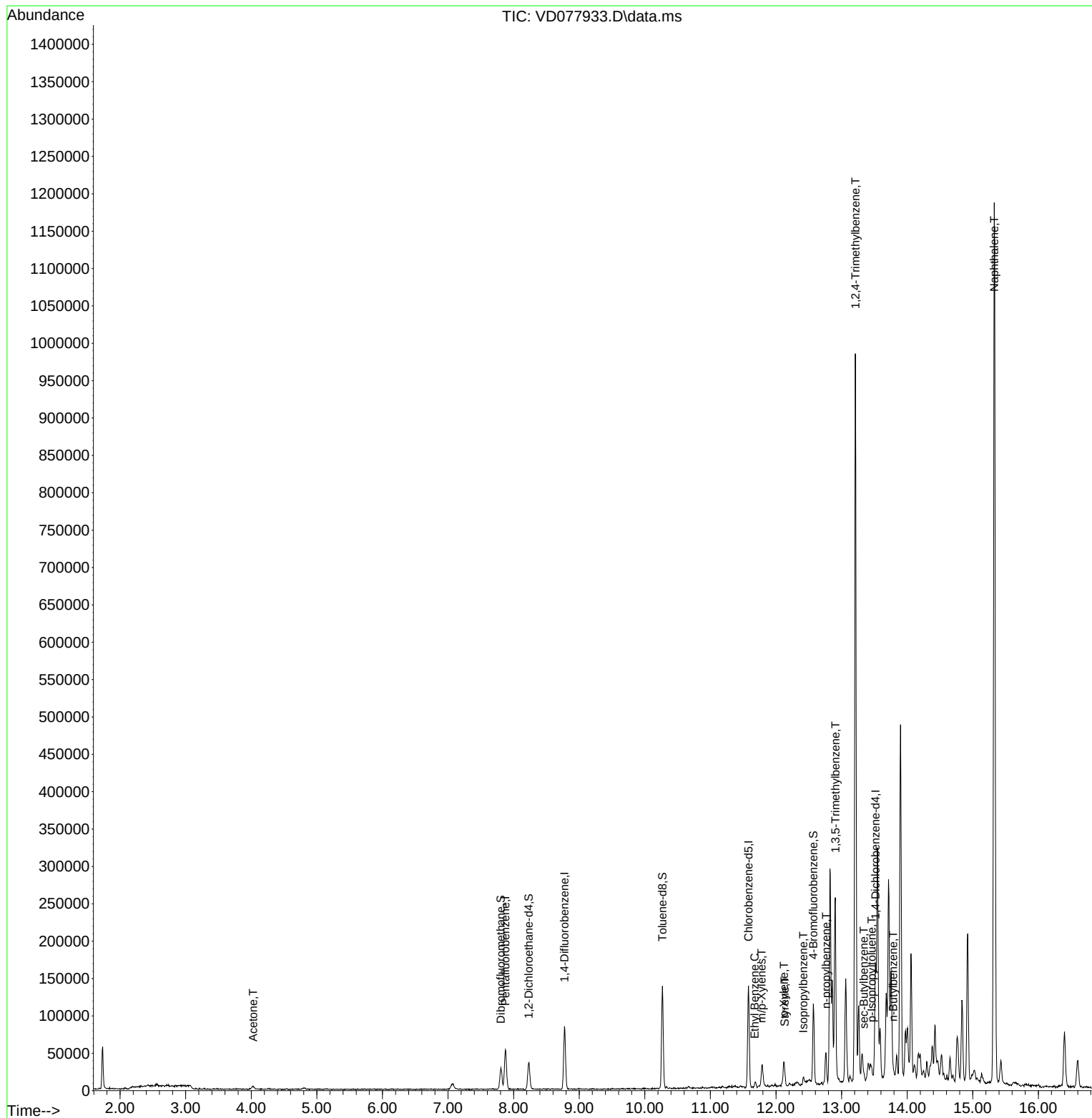
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121623\
Data File : VD077933.D
Acq On : 16 Dec 2023 14:56
Operator : RP/MD
Sample : 05789-01
Misc : 5.01G/5.0ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

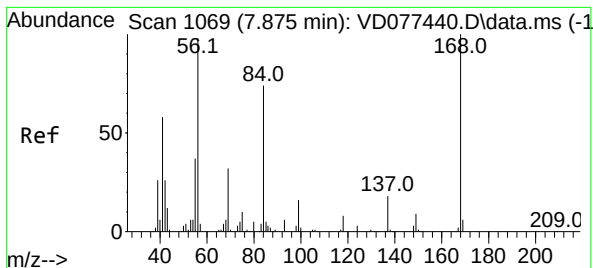
Instrument :
MSVOA_D
ClientSampleId :
E8965C-5-001

Manual Integrations
APPROVED

Reviewed By : Mahesh Dadoda 12/18/2023
Supervised By : Semsettin Yesilyurt 12/18/2023

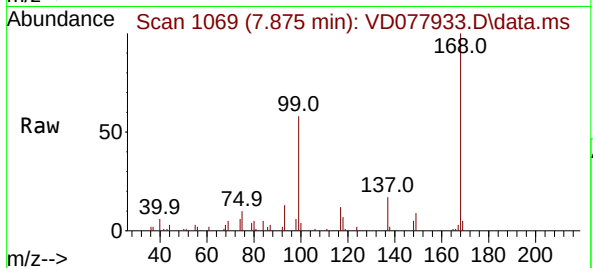
Quant Time: Dec 18 01:58:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56

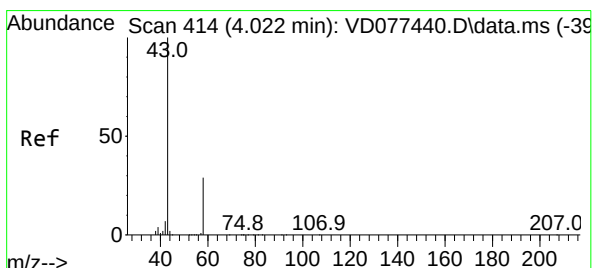
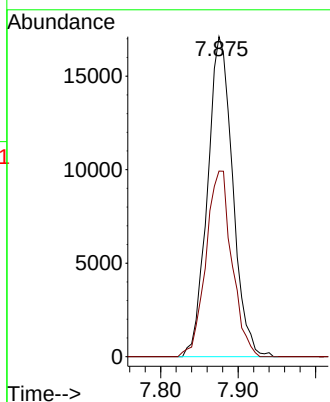
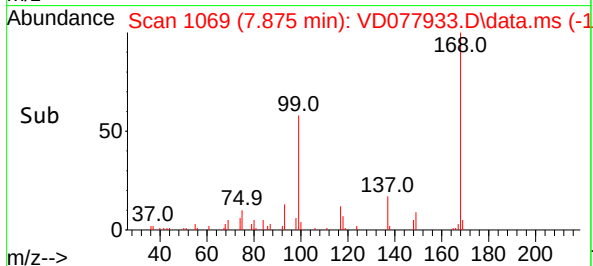
Instrument :
MSVOA_D
ClientSampleId :
E8965C-5-001



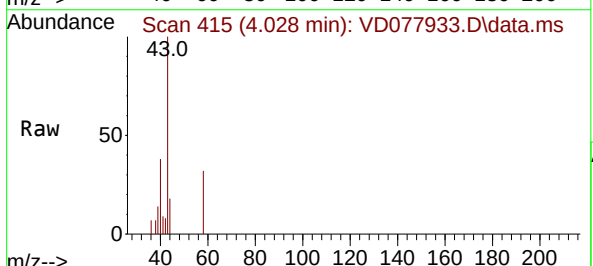
Tgt Ion:168 Resp: 38689
Ion Ratio Lower Upper
168 100
99 58.0 36.7 55.1#

Manual Integrations
APPROVED

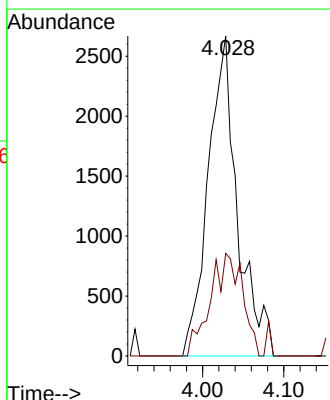
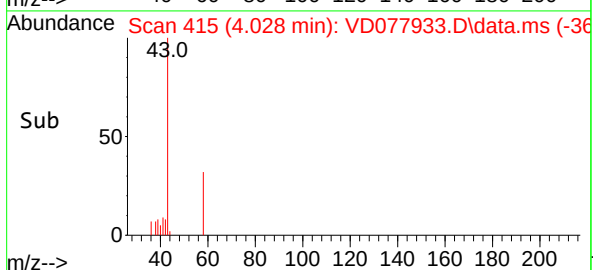
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

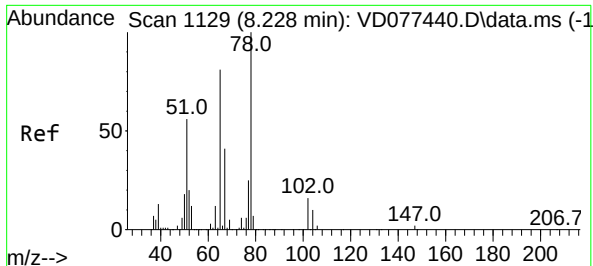


#16
Acetone
Concen: 41.817 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56



Tgt Ion: 43 Resp: 6709
Ion Ratio Lower Upper
43 100
58 32.1 34.7 52.1#





#33

1,2-Dichloroethane-d4

Concen: 61.764 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077933.D

Acq: 16 Dec 2023 14:56

Instrument :

MSVOA_D

ClientSampleId :

E8965C-5-001

Tgt Ion: 65 Resp: 2815

Ion Ratio Lower Upper

65 100

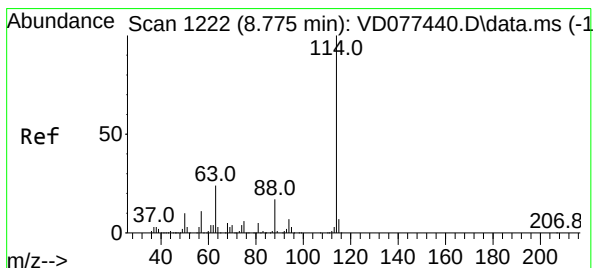
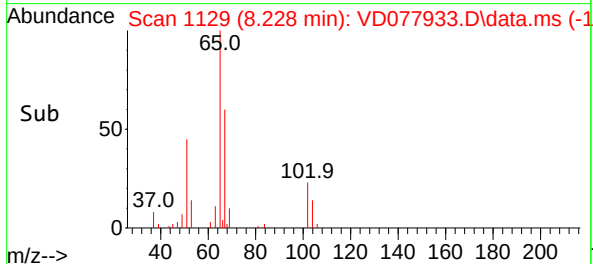
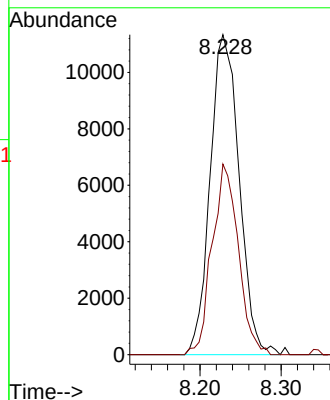
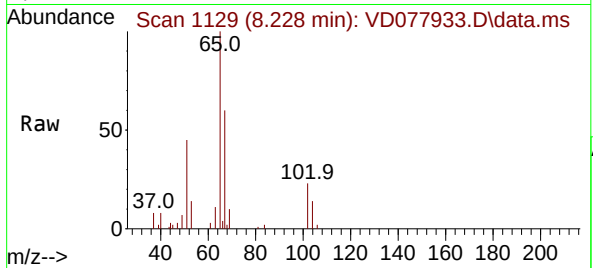
67 53.9 0.0 115.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023

Supervised By :Semsettin Yesilyurt 12/18/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077933.D

Acq: 16 Dec 2023 14:56

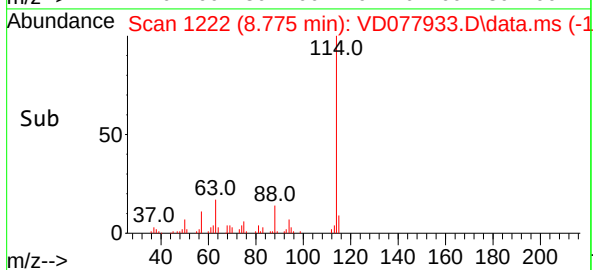
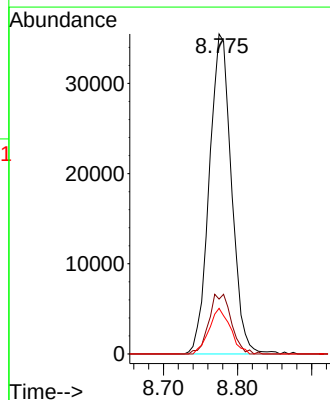
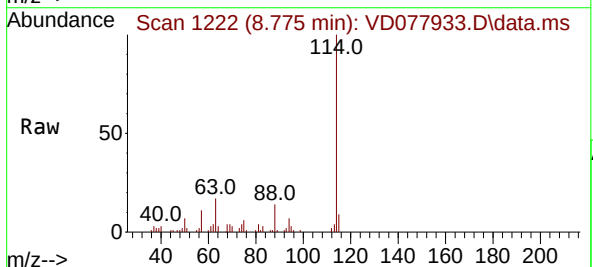
Tgt Ion:114 Resp: 73744

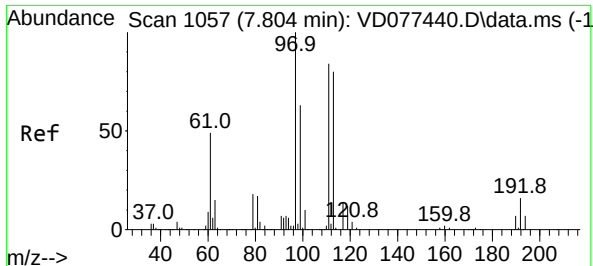
Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.4

88 14.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 37.514 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077933.D

Acq: 16 Dec 2023 14:56

Instrument :

MSVOA_D

ClientSampleId :

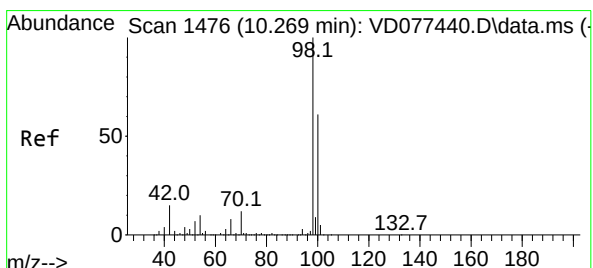
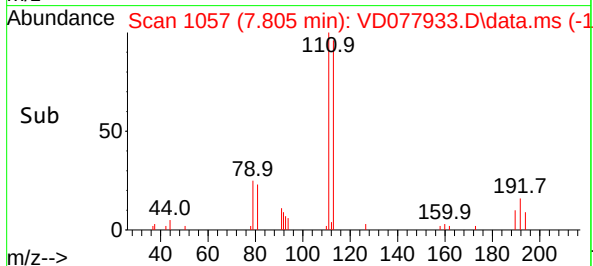
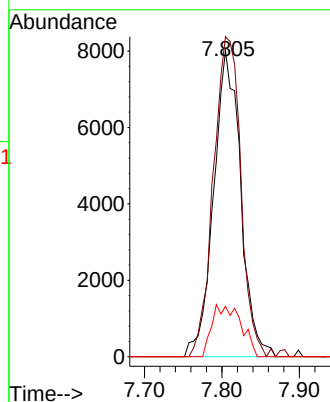
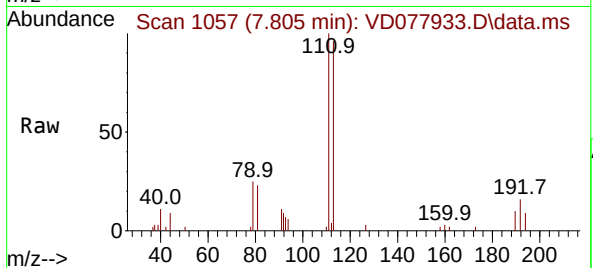
E8965C-5-001

Tgt Ion:	113	Resp:	19378
Ion	Ratio	Lower	Upper
113	100		
111	105.6	84.7	127.1
192	18.2	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#50

Toluene-d8

Concen: 45.400 ug/l

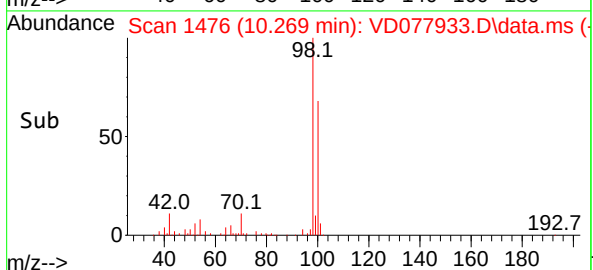
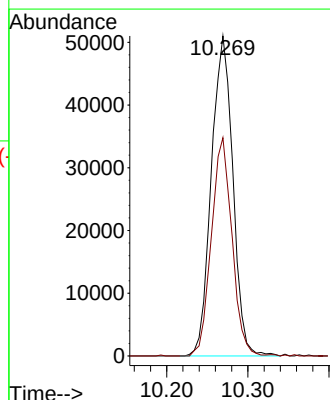
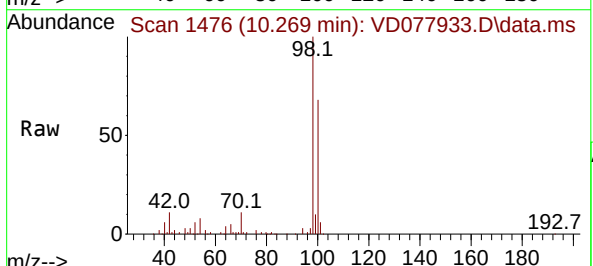
RT: 10.269 min Scan# 1476

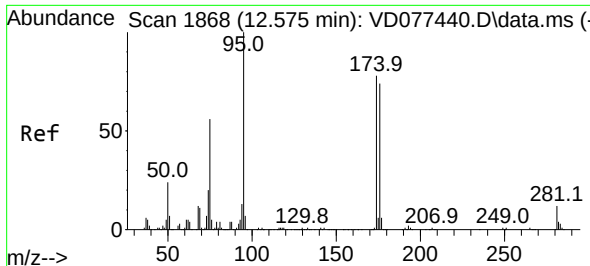
Delta R.T. 0.000 min

Lab File: VD077933.D

Acq: 16 Dec 2023 14:56

Tgt Ion:	98	Resp:	93927
Ion	Ratio	Lower	Upper
98	100		
100	65.3	50.3	75.5





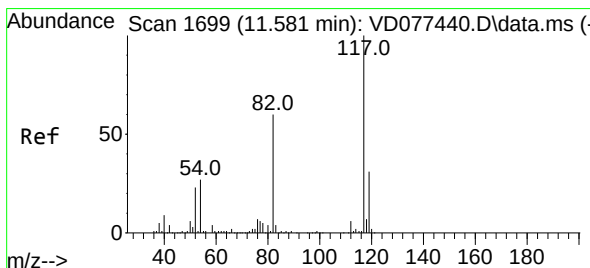
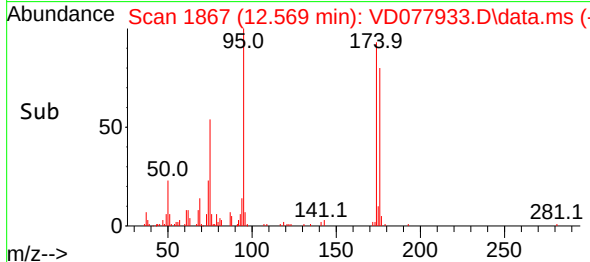
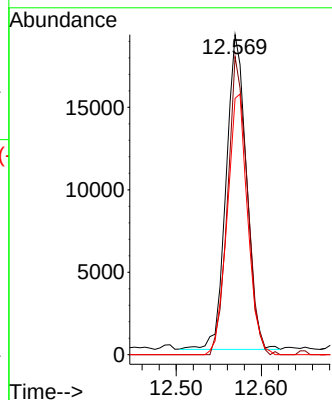
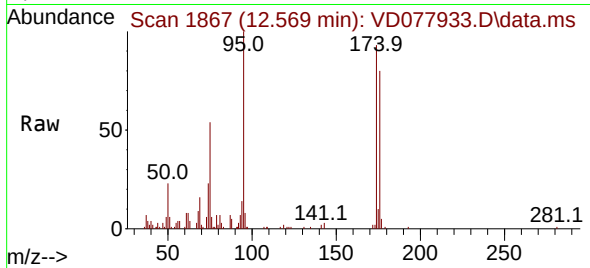
#62
4-Bromofluorobenzene
Concen: 51.292 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56

Instrument :
MSVOA_D
ClientSampleId :
E8965C-5-001

Tgt Ion: 95 Resp: 31720
Ion Ratio Lower Upper
95 100
174 91.1 0.0 201.8
176 83.3 0.0 191.8

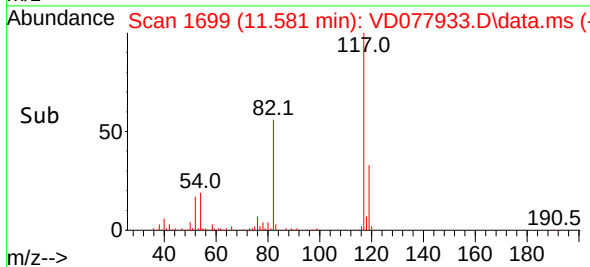
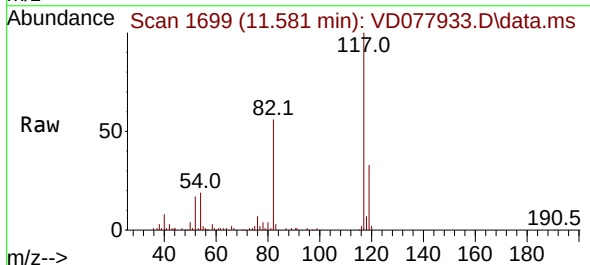
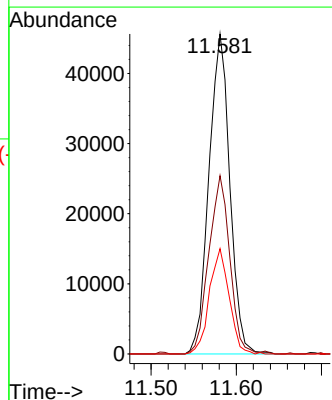
Manual Integrations
APPROVED

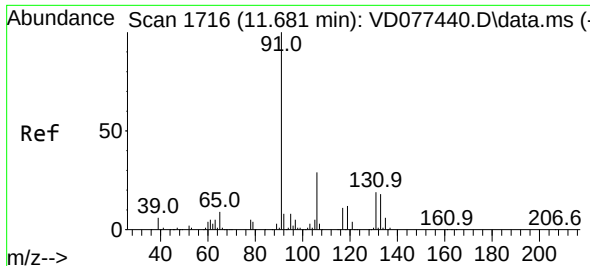
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56

Tgt Ion:117 Resp: 78033
Ion Ratio Lower Upper
117 100
82 55.7 38.3 57.5
119 32.9 25.0 37.4





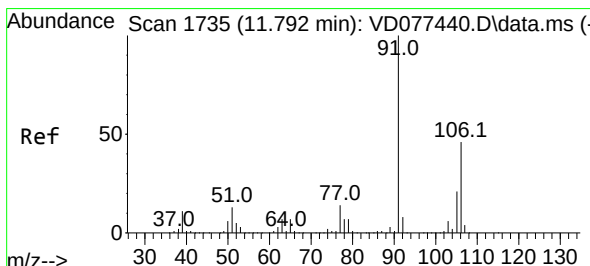
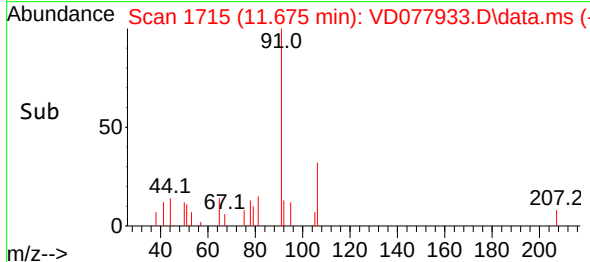
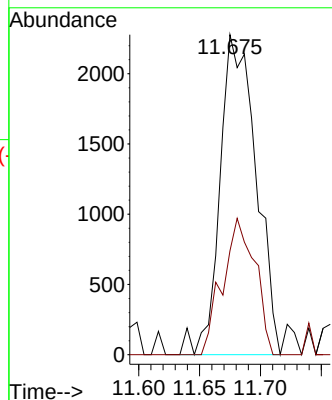
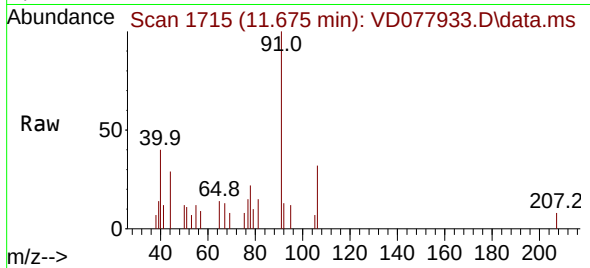
#67
Ethyl Benzene
Concen: 1.447 ug/l
RT: 11.675 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56

Instrument :
MSVOA_D
ClientSampleId :
E8965C-5-001

Tgt Ion: 91 Resp: 470
Ion Ratio Lower Upper
91 100
106 32.4 26.5 39.7

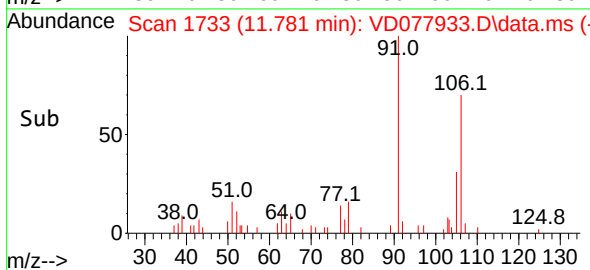
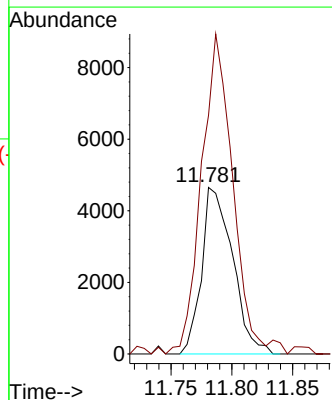
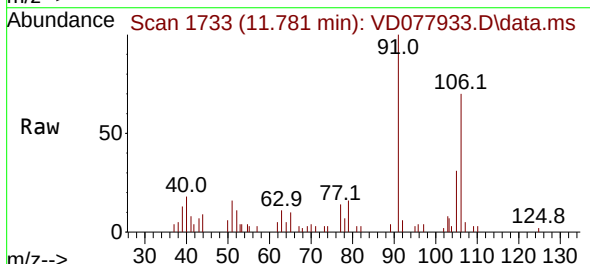
Manual Integrations
APPROVED

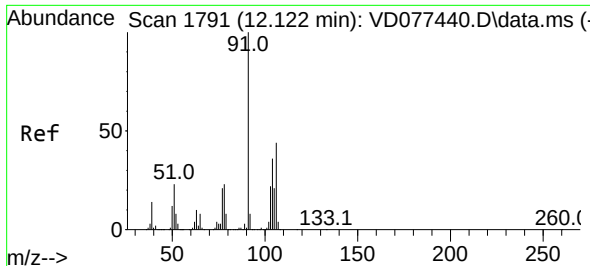
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#68
m/p-Xylenes
Concen: 6.632 ug/l
RT: 11.781 min Scan# 1733
Delta R.T. -0.011 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56

Tgt Ion:106 Resp: 8241
Ion Ratio Lower Upper
106 100
91 195.5 147.0 220.6





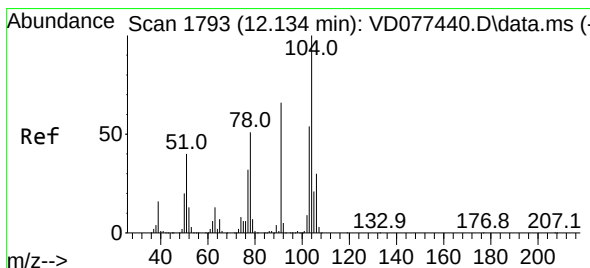
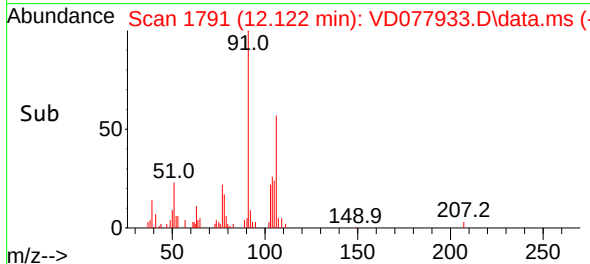
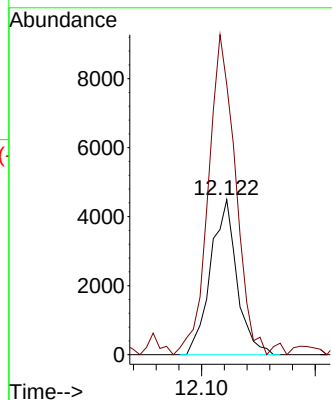
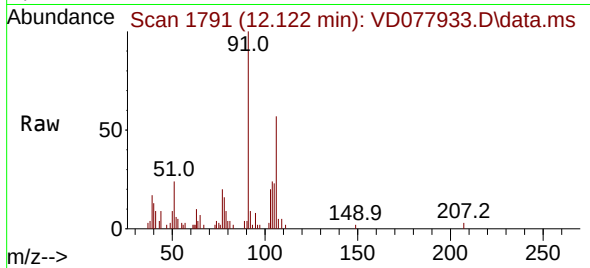
#69
o-Xylene
Concen: 6.316 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56

Instrument :
MSVOA_D
ClientSampleId :
E8965C-5-001

Tgt Ion:106 Resp: 7238
Ion Ratio Lower Upper
106 100
91 213.2 97.9 293.6

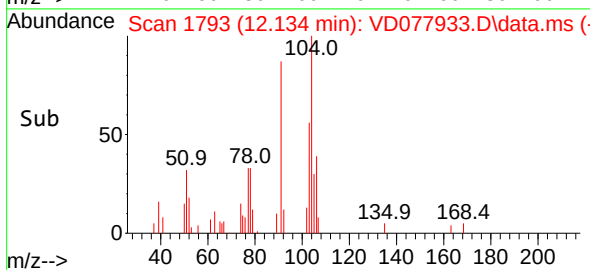
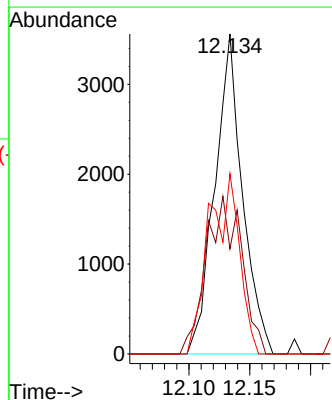
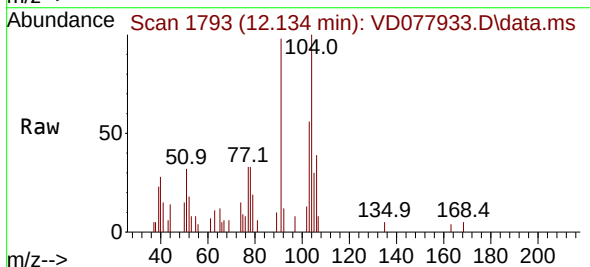
Manual Integrations
APPROVED

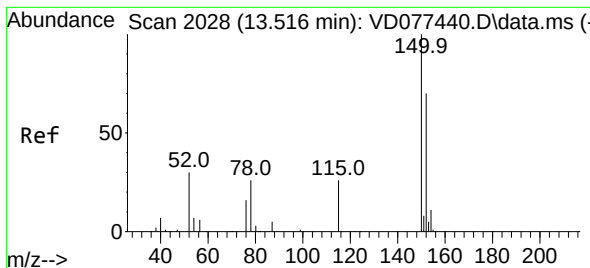
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#70
Styrene
Concen: 3.315 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56

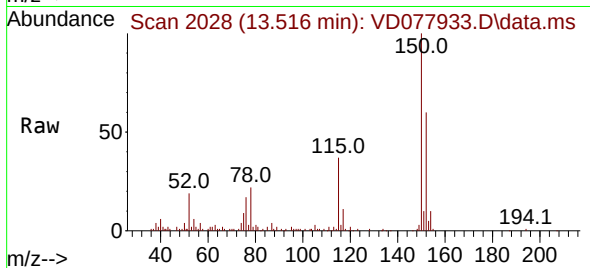
Tgt Ion:104 Resp: 5645
Ion Ratio Lower Upper
104 100
78 62.7 33.2 49.8#
103 34.5 43.6 65.4#





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56

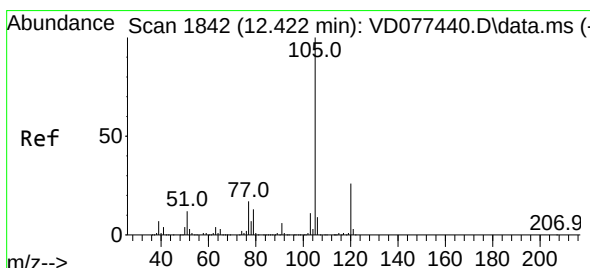
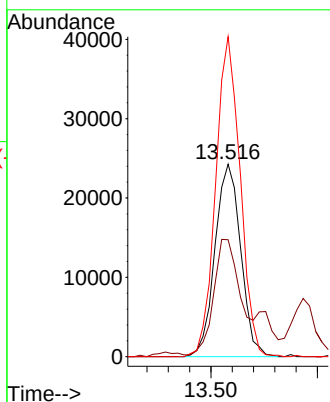
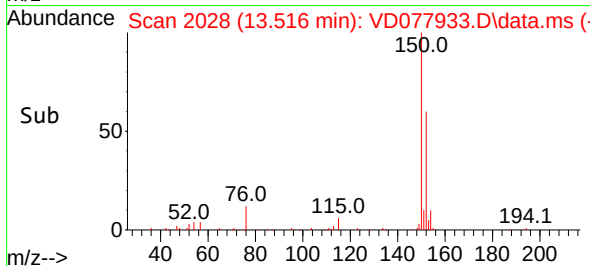
Instrument :
MSVOA_D
ClientSampleId :
E8965C-5-001



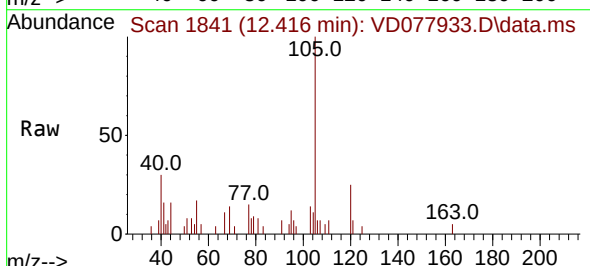
Tgt Ion:152 Resp: 4071
Ion Ratio Lower Upper
152 100
115 62.6 27.1 81.3
150 158.0 0.0 353.6

Manual Integrations
APPROVED

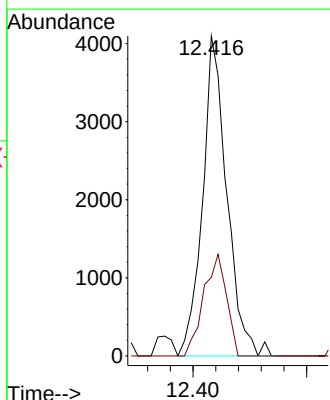
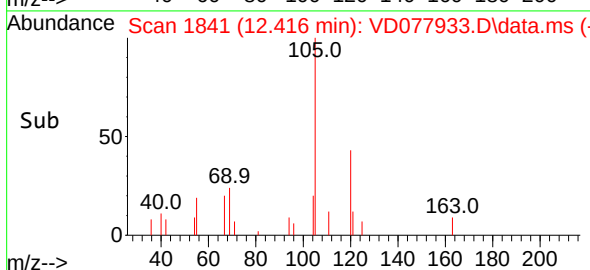
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

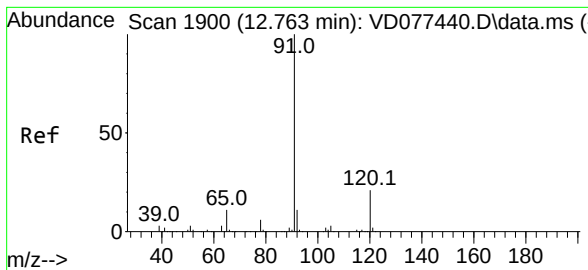


#73
Isopropylbenzene
Concen: 1.971 ug/l
RT: 12.416 min Scan# 1841
Delta R.T. -0.006 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56



Tgt Ion:105 Resp: 6081
Ion Ratio Lower Upper
105 100
120 29.8 14.3 42.9





#78
n-propylbenzene
Concen: 8.879 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56

Instrument :

MSVOA_D

ClientSampleId :

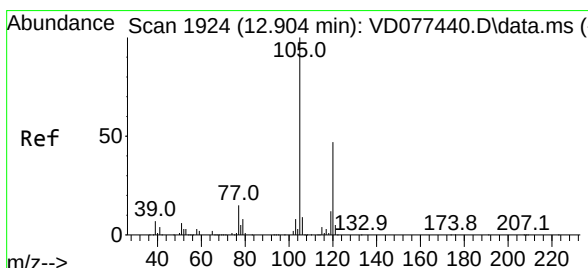
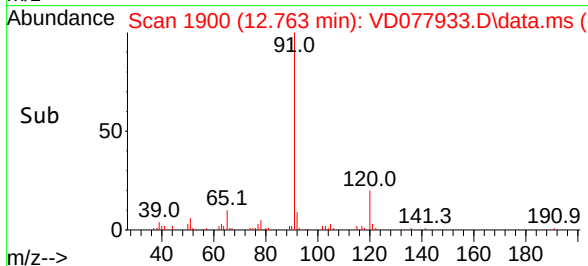
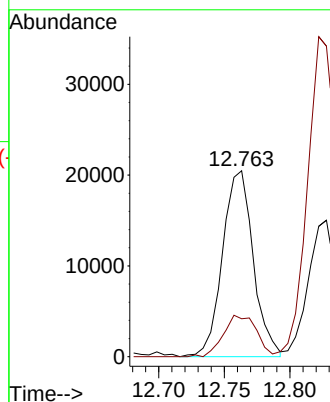
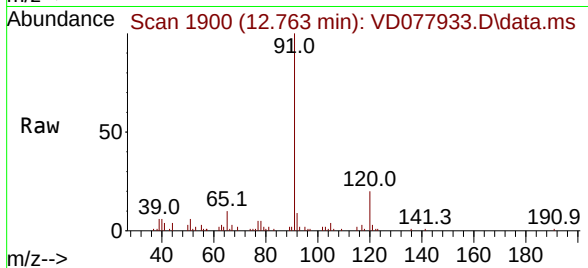
E8965C-5-001

Tgt Ion: 91 Resp: 3338
Ion Ratio Lower Upper
91 100
120 23.9 12.4 37.2

Manual Integrations

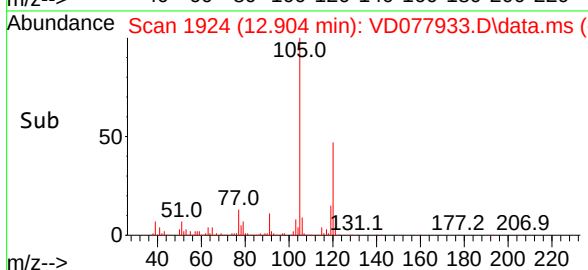
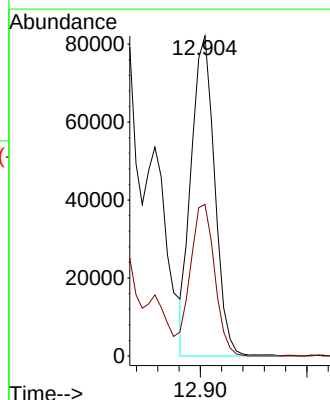
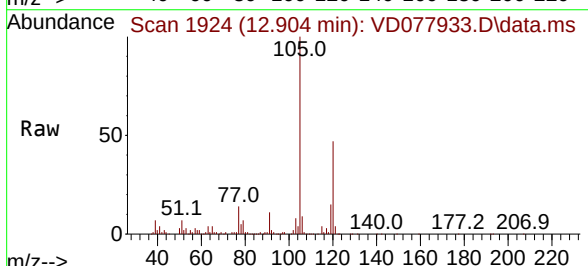
APPROVED

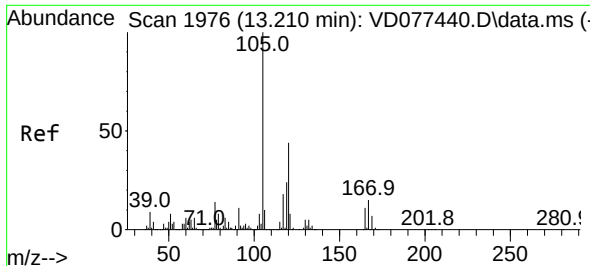
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#80
1,3,5-Trimethylbenzene
Concen: 48.741 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56

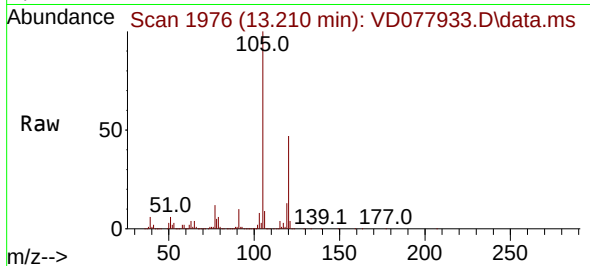
Tgt Ion:105 Resp: 125432
Ion Ratio Lower Upper
105 100
120 50.0 26.4 79.2





#84
1,2,4-Trimethylbenzene
Concen: 203.422 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56

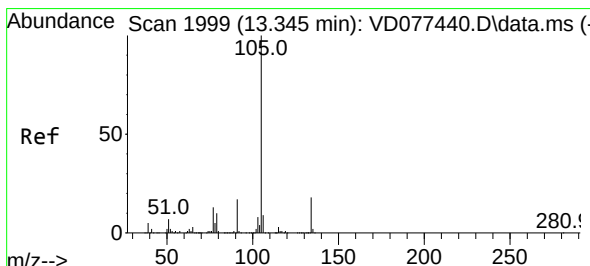
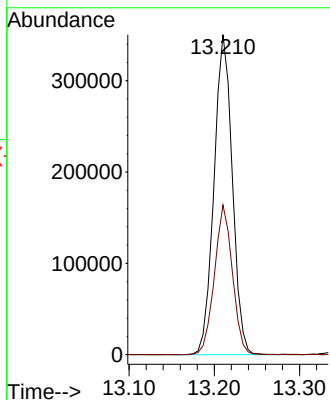
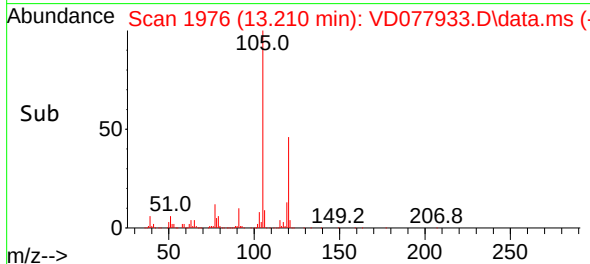
Instrument :
MSVOA_D
ClientSampleId :
E8965C-5-001



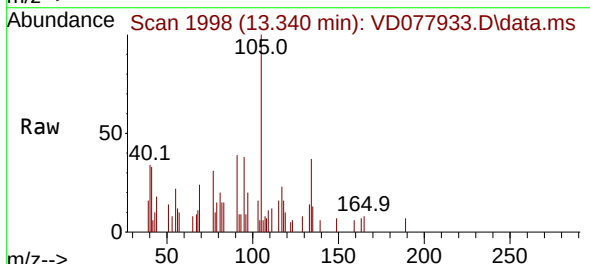
Tgt Ion:105 Resp: 52359
Ion Ratio Lower Upper
105 100
120 45.9 24.3 72.9

Manual Integrations
APPROVED

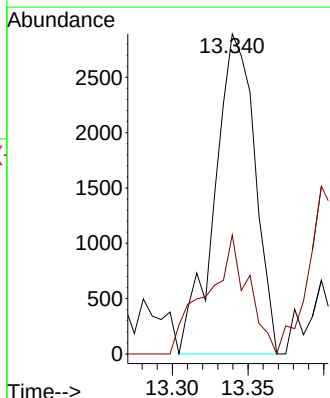
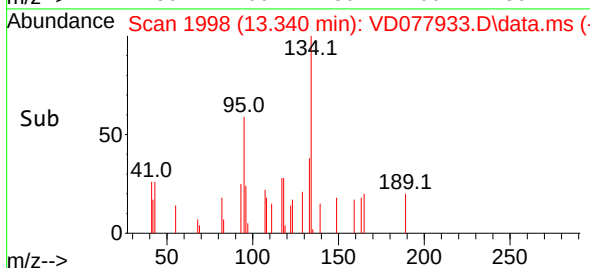
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

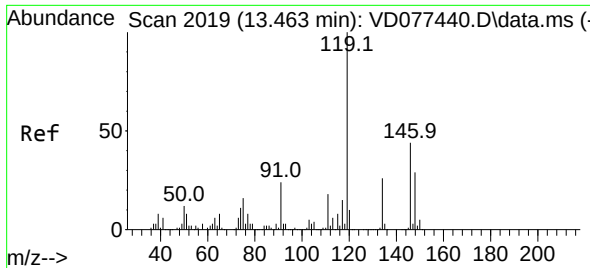


#85
sec-Butylbenzene
Concen: 1.666 ug/l m
RT: 13.340 min Scan# 1998
Delta R.T. -0.005 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56



Tgt Ion:105 Resp: 5350
Ion Ratio Lower Upper
105 100
134 0.0 10.9 32.9#





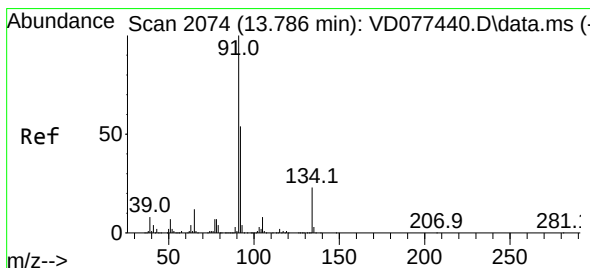
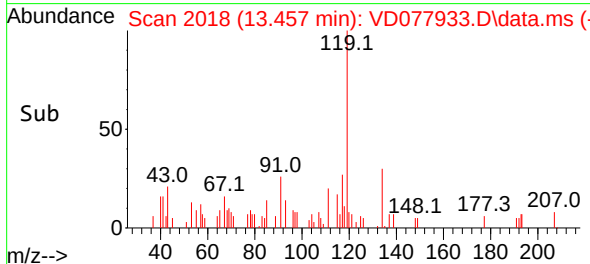
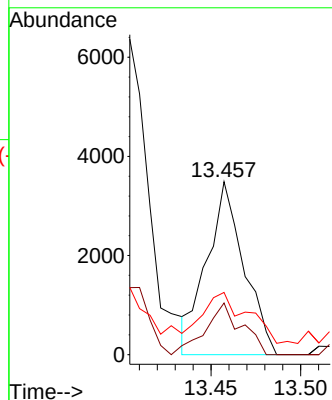
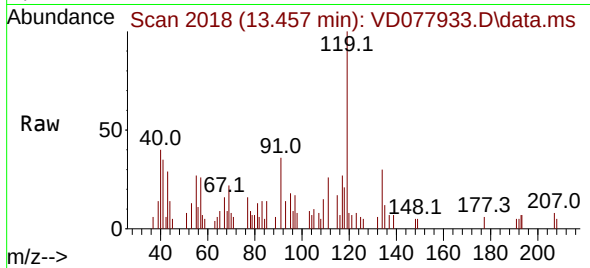
#86
p-Isopropyltoluene
Concen: 1.748 ug/l m
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56

Instrument :
MSVOA_D
ClientSampleId :
E8965C-5-001

Tgt Ion:119 Resp: 5020
Ion Ratio Lower Upper
119 100
134 49.2 14.2 42.6
91 41.6 10.5 31.5

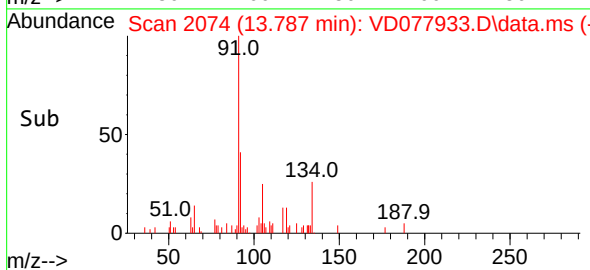
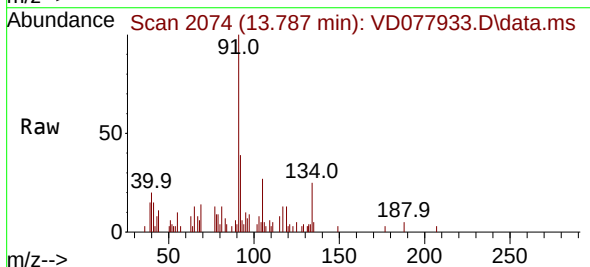
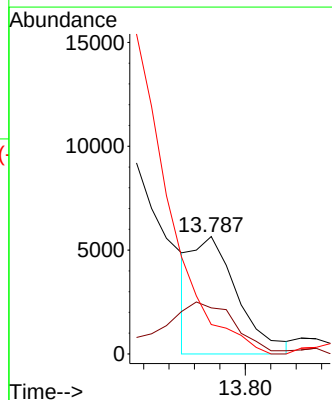
Manual Integrations
APPROVED

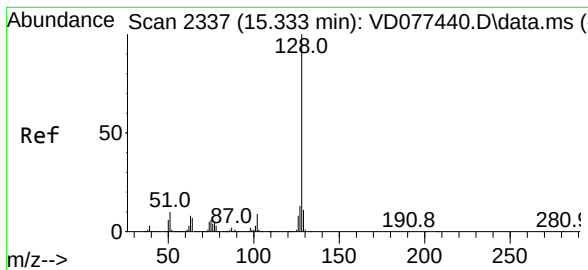
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#89
n-Butylbenzene
Concen: 2.575 ug/l m
RT: 13.787 min Scan# 2074
Delta R.T. 0.001 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56

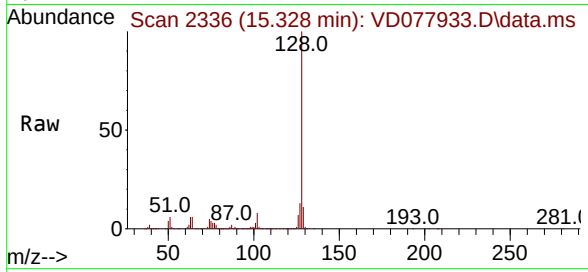
Tgt Ion: 91 Resp: 6967
Ion Ratio Lower Upper
91 100
92 0.0 26.5 79.5#
134 437.9 13.8 41.3#





#95
Naphthalene
Concen: 720.880 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.005 min
Lab File: VD077933.D
Acq: 16 Dec 2023 14:56

Instrument :
MSVOA_D
ClientSampleId :
E8965C-5-001



Tgt Ion:128 Resp: 103268
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.0 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

