

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120723\
 Data File : VD077776.D
 Acq On : 07 Dec 2023 15:18
 Operator : JC/SY
 Sample : 05646-13
 Misc : 3.84G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 C0AS0

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/11/2023
 Supervised By : Mahesh Dadoda 12/11/2023

Quant Time: Dec 08 23:23:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 06 00:24:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	408555	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.604	117	141217	25.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	13.540	152	135458	25.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	217569	19.528	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	78.120%		
7) Chloroethane-d5	2.811	69	185335	20.870	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	83.480%		
11) 1,1-Dichloroethene-d2	3.922	65	52361	18.125	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	72.520%		
21) 2-Butanone-d5	6.999	46	54936	39.014	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery =	78.020%		
24) Chloroform-d	7.575	84	220759	20.048	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	80.200%		
26) 1,2-Dichloroethane-d4	8.257	65	195048	34.961	ug/L	0.02
Spiked Amount 25.000	Range 70 - 130		Recovery =	139.840%#		
32) Benzene-d6	8.240	84	640174	75.270	ug/L	0.04
Spiked Amount 25.000	Range 20 - 135		Recovery =	301.080%#		
36) 1,2-Dichloropropane-d6	9.216	67	142735	55.004	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	220.000%#		
41) Toluene-d8	10.281	98	364769	46.596	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	186.400%#		
43) trans-1,3-Dichloroprop...	10.534	79	53076	46.252	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	185.000%#		
47) 2-Hexanone-d5	10.904	63	48873	109.295	ug/L	0.03
Spiked Amount 50.000	Range 20 - 135		Recovery =	218.580%#		
56) 1,1,2,2-Tetrachloroeth...	12.657	84	93511	49.867	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	199.480%#		
66) 1,2-Dichlorobenzene-d4	13.834	152	164846	34.017	ug/L	0.02
Spiked Amount 25.000	Range 75 - 120		Recovery =	136.080%#		
Target Compounds						
13) Acetone	4.040	43	10554m	5.850	ug/L	
29) Cyclohexane	7.887	56	6682	1.793	ug/L	# 70
33) Benzene	8.240	78	48520031m	5278.751	ug/L	
35) Methylcyclohexane	9.281	83	12841	3.170	ug/L	88
42) Toluene	10.340	91	116587	11.942	ug/L	94
51) Chlorobenzene	11.598	112	69298577m	11447.371	ug/L	
52) Ethylbenzene	11.722	91	33530	3.098	ug/L	89
53) m,p-Xylene	11.810	106	13696	3.349	ug/L	92
54) o-Xylene	12.128	106	4145	1.059	ug/L	75
63) 1,2,4-Trimethylbenzene	13.228	105	9456	0.614	ug/L	99
64) 1,3-Dichlorobenzene	13.469	146	18751768m	2144.566	ug/L	
65) 1,4-Dichlorobenzene	13.534	146	41527716m	4576.982	ug/L	
67) 1,2-Dichlorobenzene	13.834	146	21468829m	2728.607	ug/L	
69) 1,3,5-Trichlorobenzene	14.598	180	435067	73.071	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	27210323m	5383.326	ug/L	
72) 1,2,3-Trichlorobenzene	15.528	180	16730881m	3775.805	ug/L	

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

Instrument :

MSVOA_D

ClientSampleId :

C0AS0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023

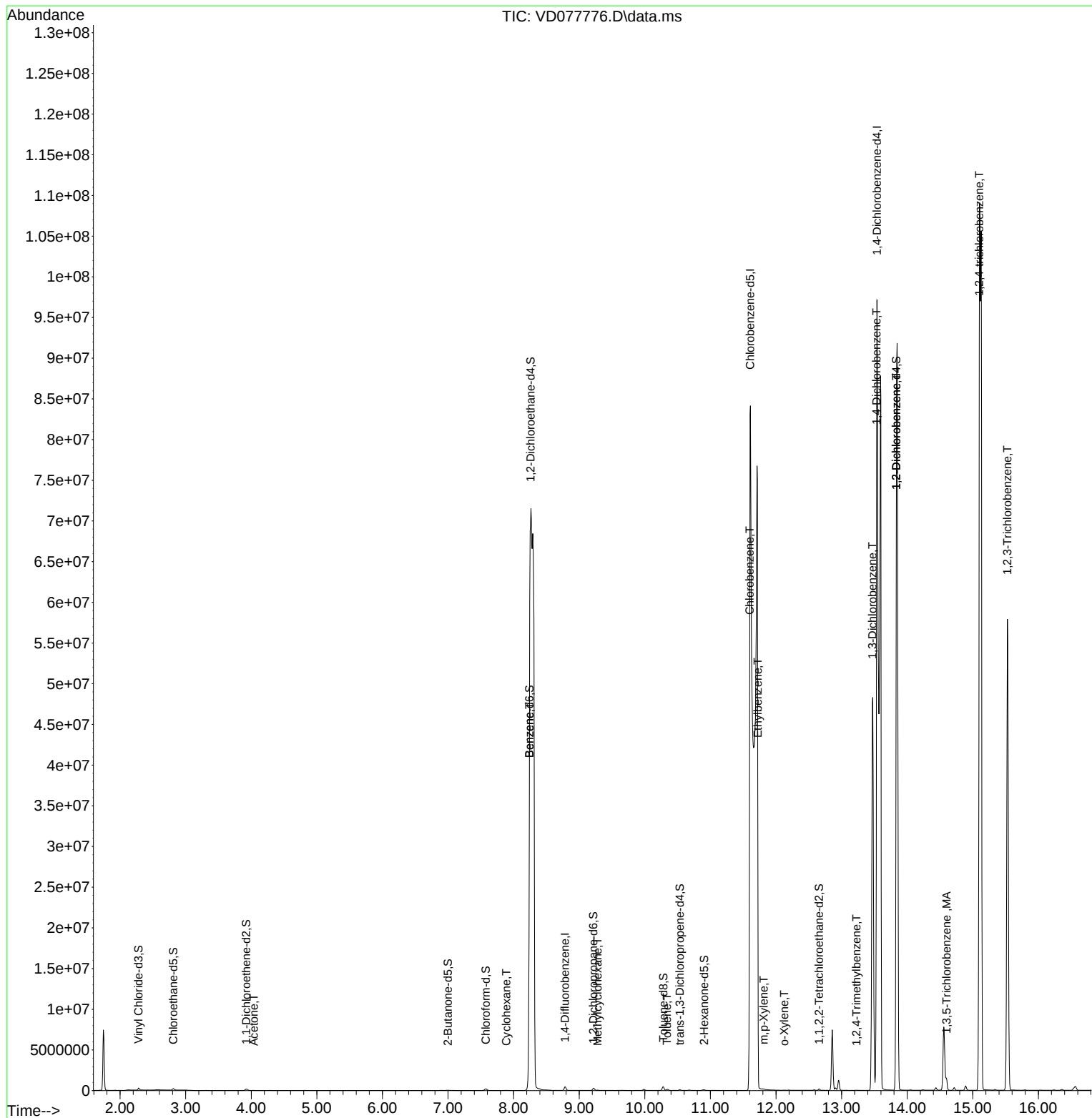
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120723\
Data File : VD077776.D
Acq On : 07 Dec 2023 15:18
Operator : JC/SY
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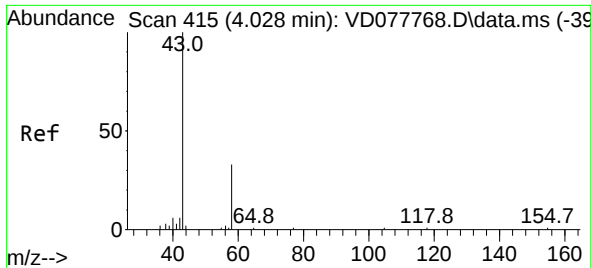
Instrument :
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Manual Integrations
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Supervised By : Mahesh Dadoda 12/11/2023

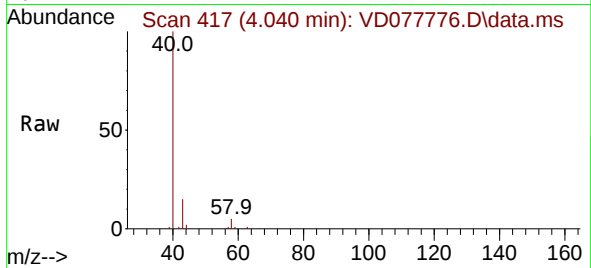
Quant Time: Dec 08 23:23:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Dec 06 00:24:24 2023
Response via : Initial Calibration





#13
Acetone
Concen: 5.850 ug/L m
RT: 4.040 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

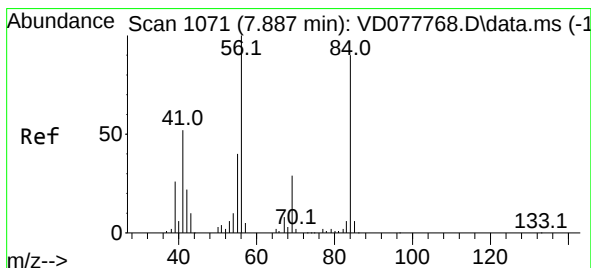
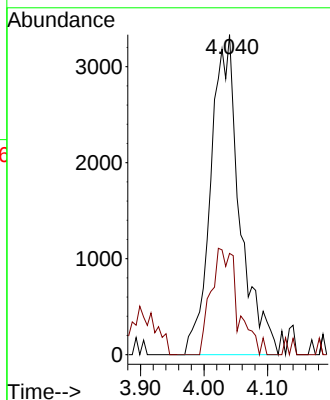
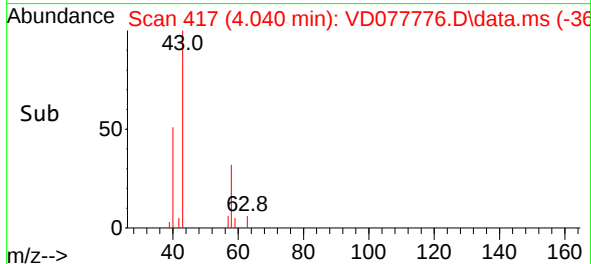
Instrument :
MSVOA_D
ClientSampleId :
C0AS0



Tgt Ion: 43 Resp: 10554
Ion Ratio Lower Upper
43 100
58 17.8 0.0 67.2

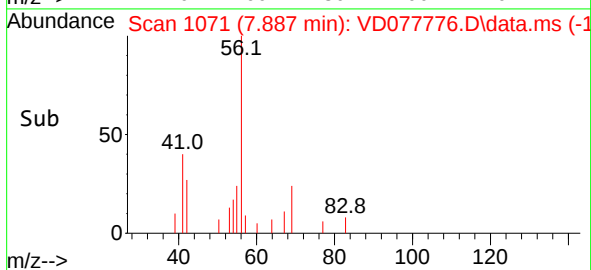
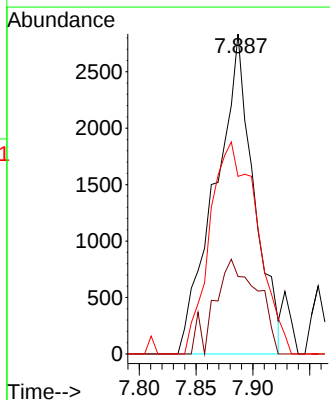
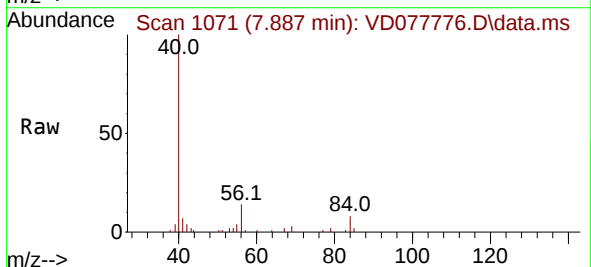
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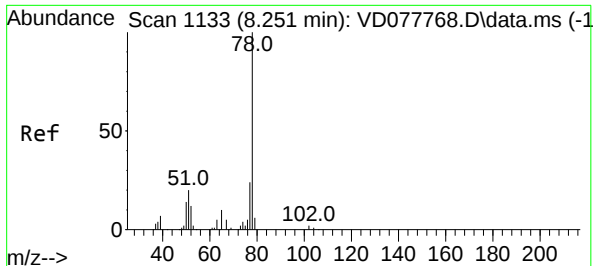
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#29
Cyclohexane
Concen: 1.793 ug/L
RT: 7.887 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

Tgt Ion: 56 Resp: 6682
Ion Ratio Lower Upper
56 100
69 26.5 22.2 33.4
84 49.9 68.5 102.7#





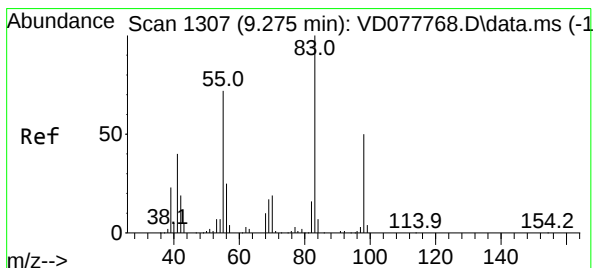
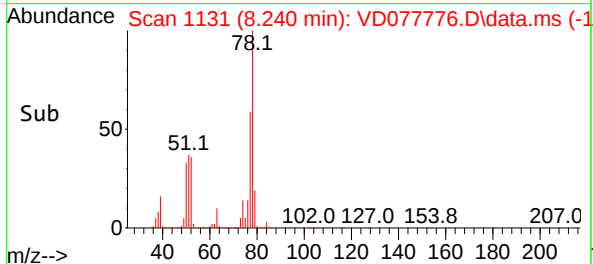
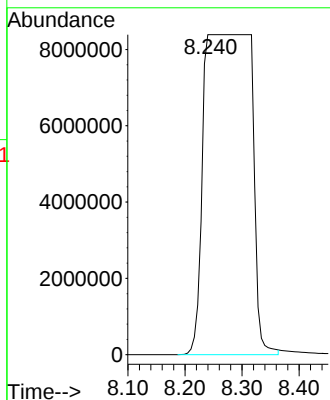
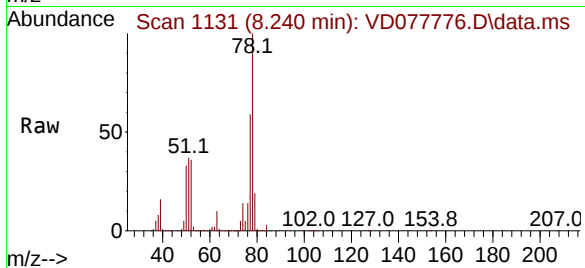
#33
Benzene
Concen: 5278.751 ug/L m
RT: 8.240 min Scan# 1133
Delta R.T. -0.018 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

Instrument :
MSVOA_D
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C0AS0

Tgt Ion: 78 Resp:4852003

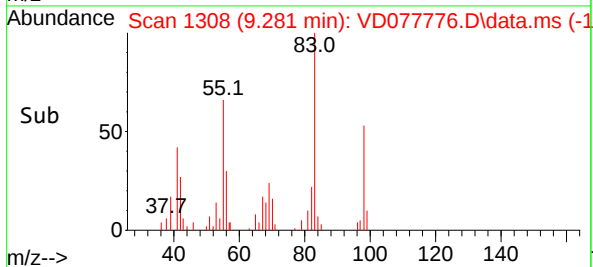
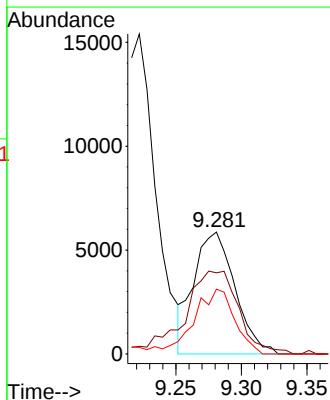
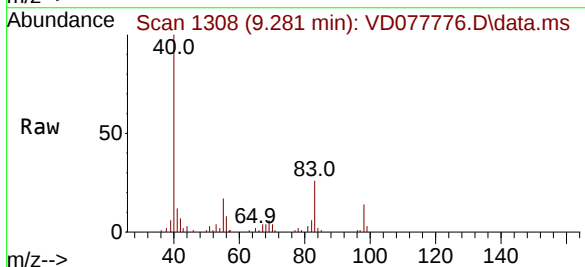
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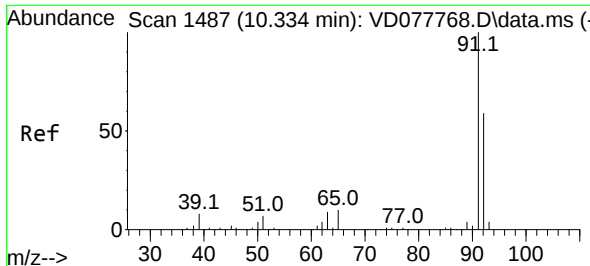
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#35
Methylcyclohexane
Concen: 3.170 ug/L
RT: 9.281 min Scan# 1308
Delta R.T. 0.006 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

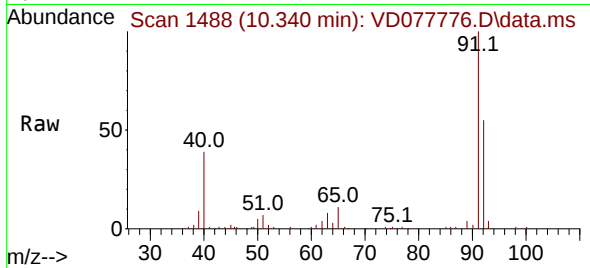
Tgt Ion: 83 Resp: 12841
Ion Ratio Lower Upper
83 100
55 87.2 59.8 89.6
98 52.9 38.5 57.7





#42
Toluene
Concen: 11.942 ug/L
RT: 10.340 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

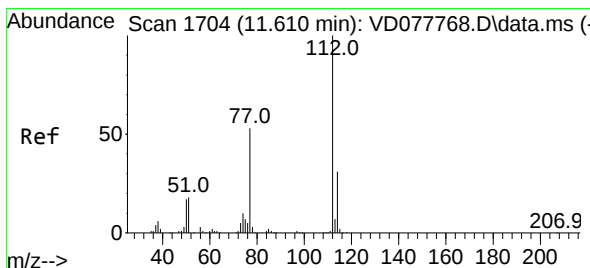
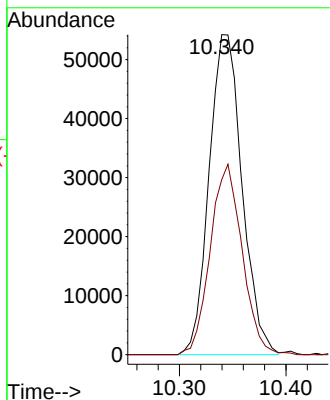
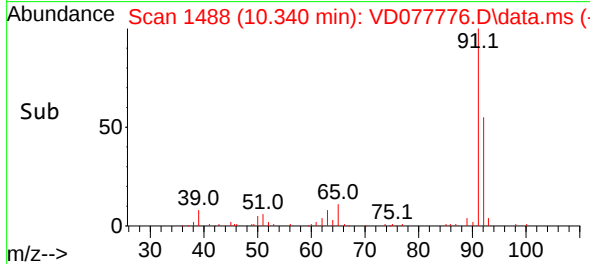
Instrument :
MSVOA_D
ClientSampleId :
C0AS0



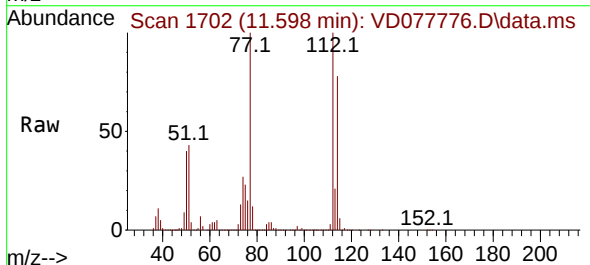
Tgt Ion: 91 Resp: 11658
Ion Ratio Lower Upper
91 100
92 54.7 41.6 77.3

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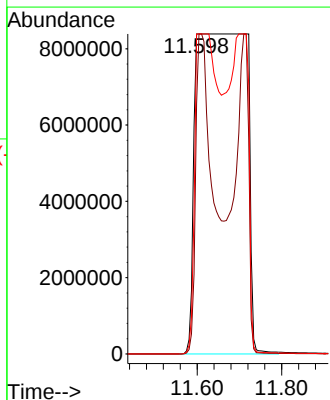
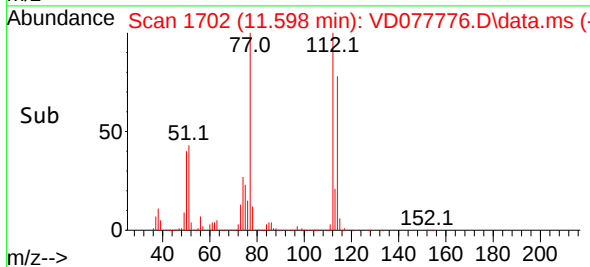
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

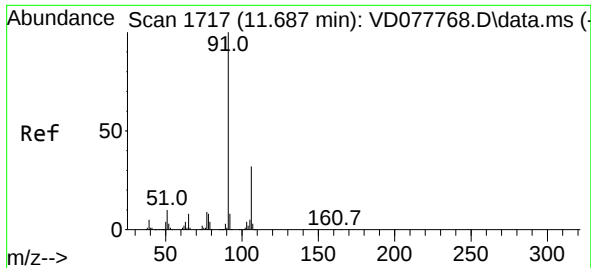


#51
Chlorobenzene
Concen: 11447.371 ug/L m
RT: 11.598 min Scan# 1702
Delta R.T. -0.012 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18



Tgt Ion:112 Resp:69298577
Ion Ratio Lower Upper
112 100
114 78.3 22.5 41.9#
77 100.0 46.4 69.6#





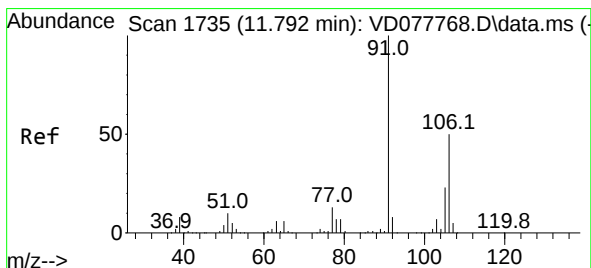
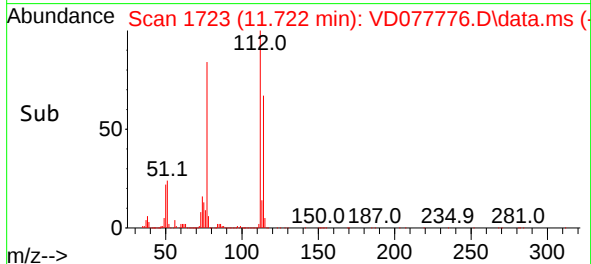
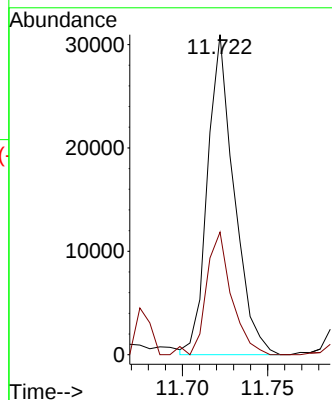
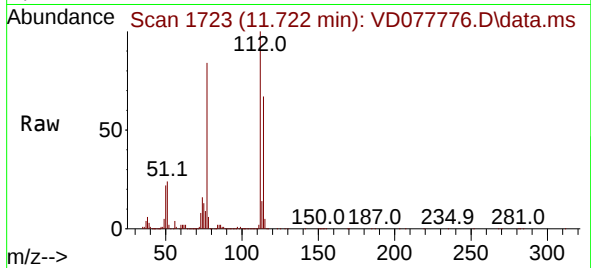
#52
Ethylbenzene
Concen: 3.098 ug/L
RT: 11.722 min Scan# 1723
Delta R.T. 0.035 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

Instrument :
MSVOA_D
ClientSampleId :
C0AS0

Tgt Ion: 91 Resp: 33530
Ion Ratio Lower Upper
91 100
106 38.3 22.4 41.6

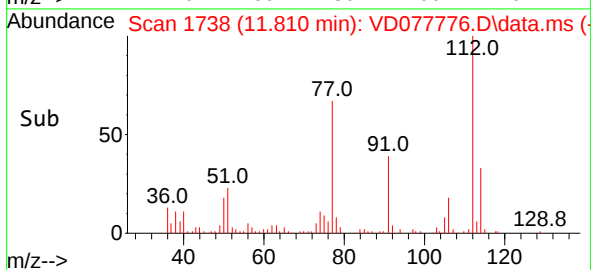
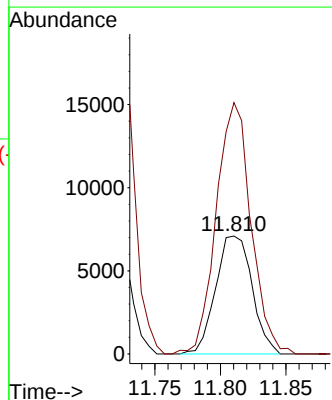
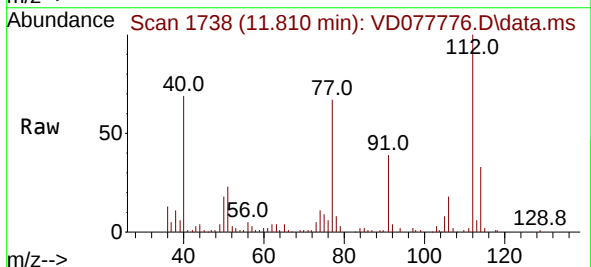
Manual Integrations
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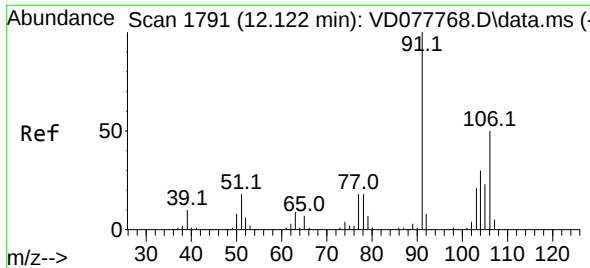
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#53
m,p-Xylene
Concen: 3.349 ug/L
RT: 11.810 min Scan# 1738
Delta R.T. 0.018 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

Tgt Ion:106 Resp: 13696
Ion Ratio Lower Upper
106 100
91 213.3 140.8 261.6





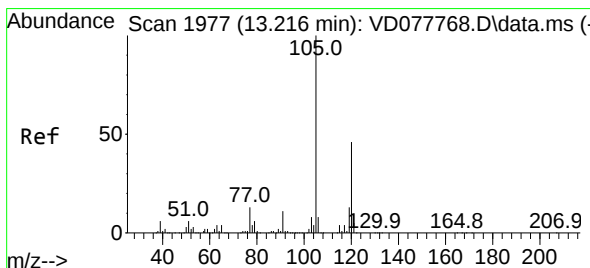
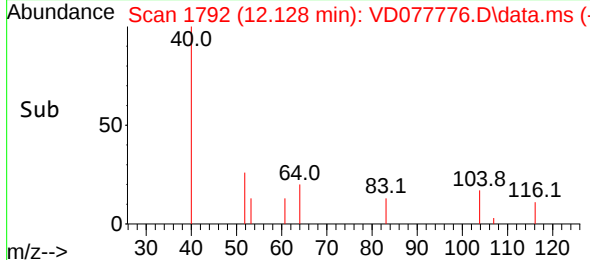
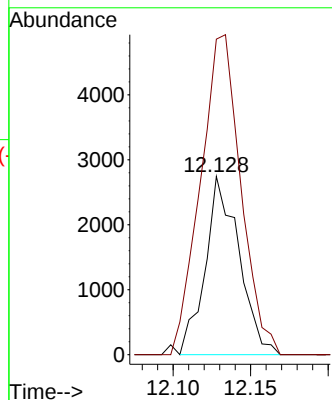
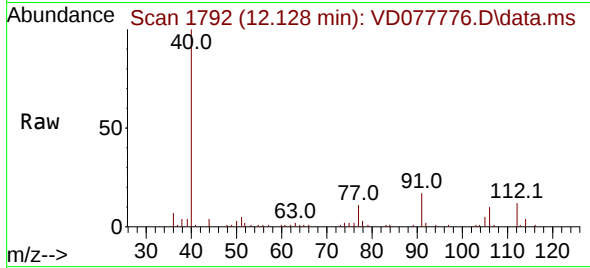
#54
o-Xylene
Concen: 1.059 ug/L
RT: 12.128 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

Instrument :
MSVOA_D
ClientSampleId :
C0AS0

Tgt Ion:106 Resp: 414
Ion Ratio Lower Upper
106 100
91 177.1 152.2 282.7

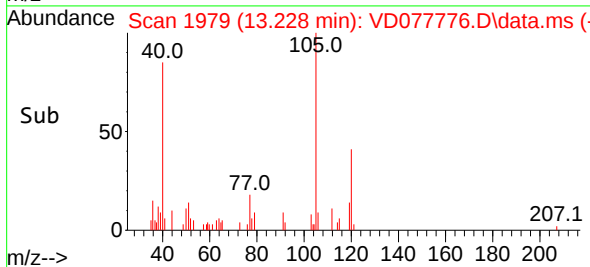
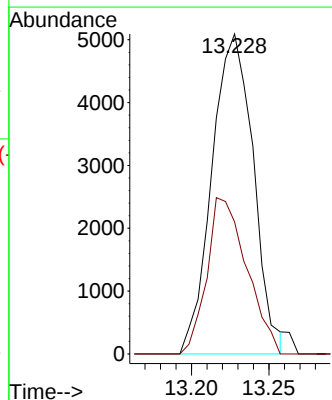
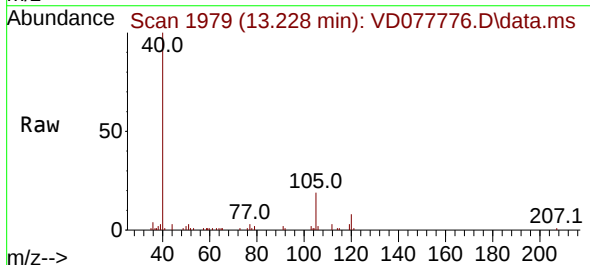
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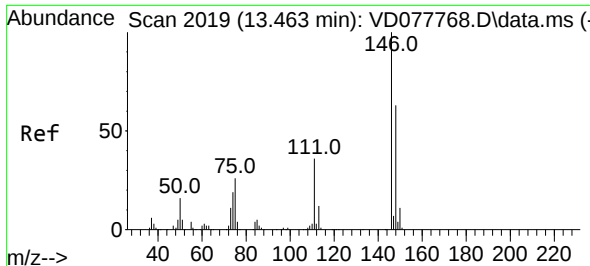
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#63
1,2,4-Trimethylbenzene
Concen: 0.614 ug/L
RT: 13.228 min Scan# 1979
Delta R.T. 0.012 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

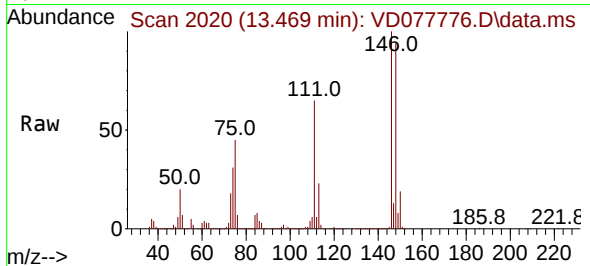
Tgt Ion:105 Resp: 9456
Ion Ratio Lower Upper
105 100
120 46.9 37.1 55.7





#64
1,3-Dichlorobenzene
Concen: 2144.566 ug/L m
RT: 13.469 min Scan# 2019
Delta R.T. 0.006 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

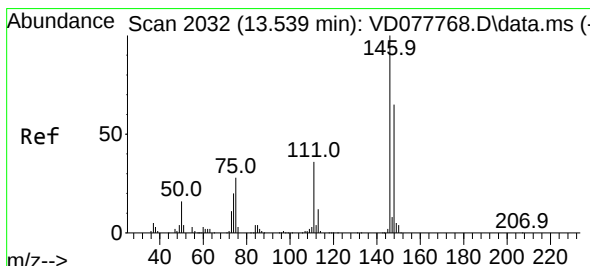
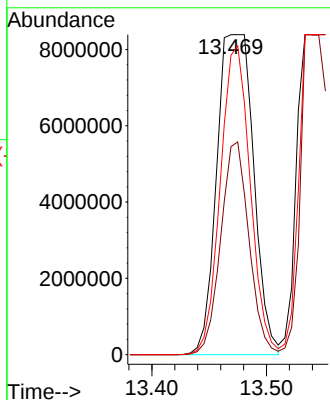
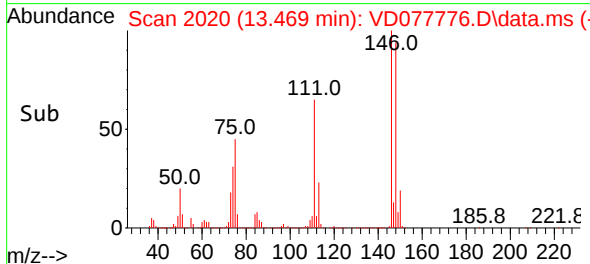
Instrument :
MSVOA_D
ClientSampleId :
C0AS0



Tgt Ion:146 Resp:18751768
Ion Ratio Lower Upper
146 100
111 65.0 26.6 49.4#
148 93.6 44.0 81.6#

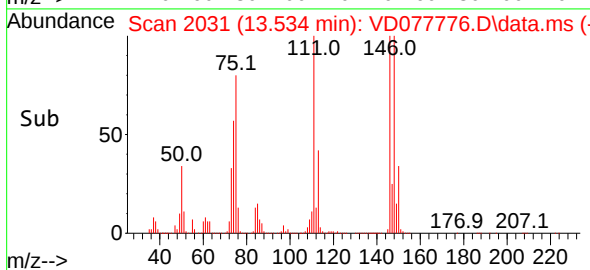
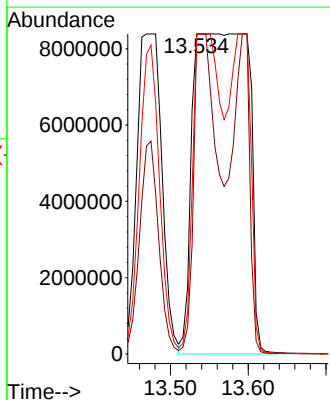
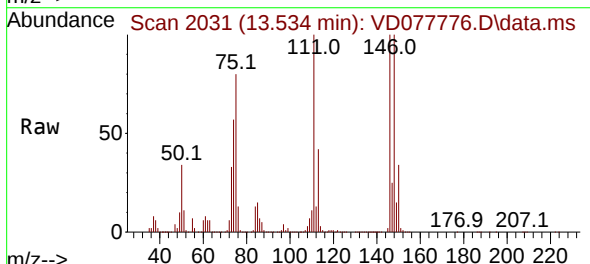
Manual Integrations
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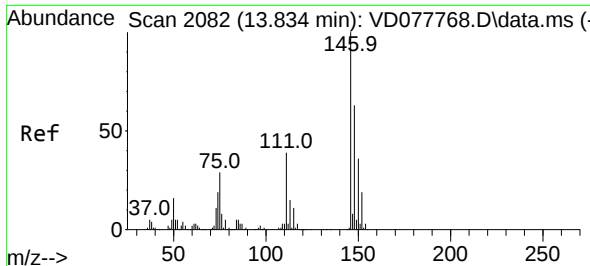
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#65
1,4-Dichlorobenzene
Concen: 4576.982 ug/L m
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

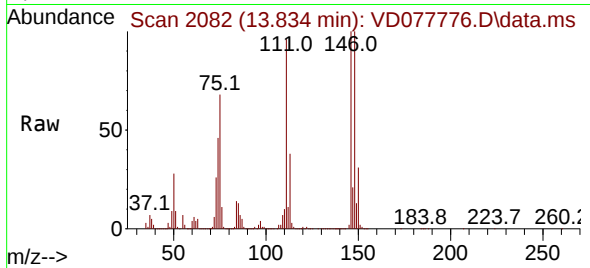
Tgt Ion:146 Resp:41527716
Ion Ratio Lower Upper
146 100
111 100.0 26.4 49.0#
148 100.0 44.0 81.8#





#67
1,2-Dichlorobenzene
Concen: 2728.607 ug/L m
RT: 13.834 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

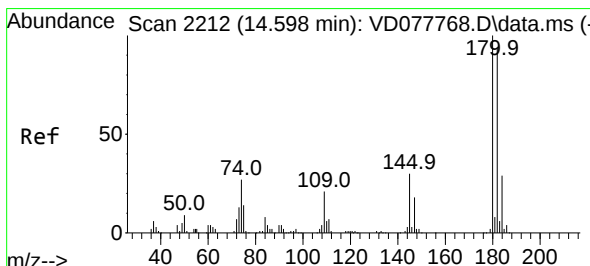
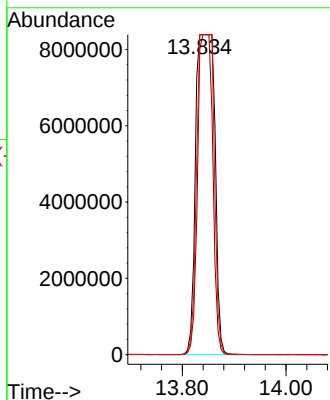
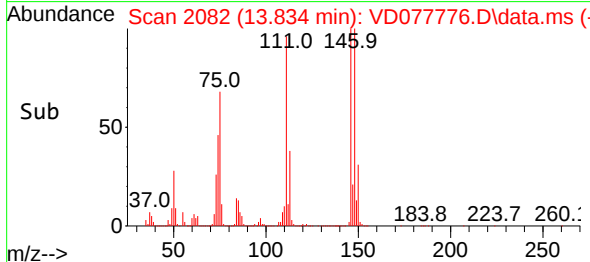
Instrument :
MSVOA_D
ClientSampleId :
C0AS0



Tgt Ion:146 Resp:21468829
Ion Ratio Lower Upper
146 100
111 95.5 31.4 47.2
148 100.0 50.2 75.2

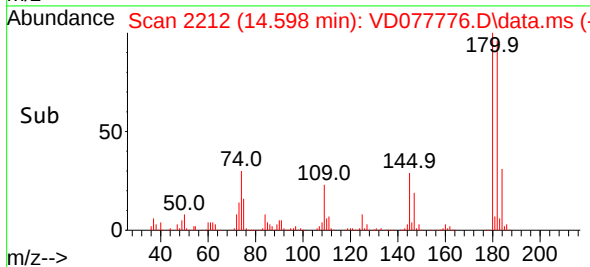
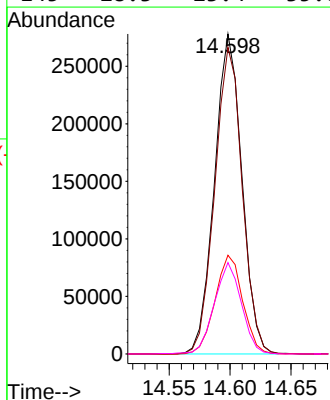
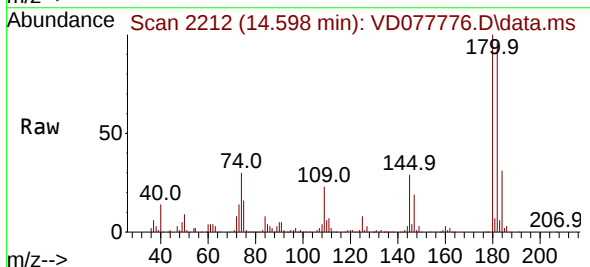
Manual Integrations
APPROVED

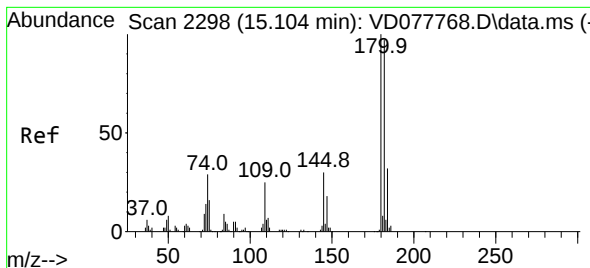
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#69
1,3,5-Trichlorobenzene
Concen: 73.071 ug/L
RT: 14.598 min Scan# 2212
Delta R.T. 0.000 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

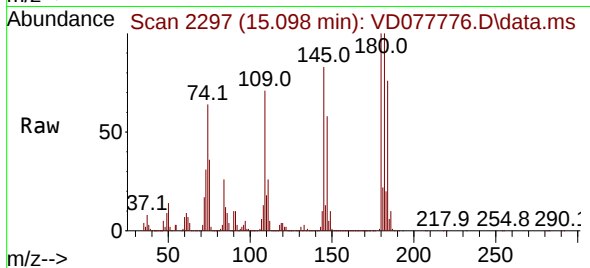
Tgt Ion:180 Resp: 435067
Ion Ratio Lower Upper
180 100
182 96.1 77.0 115.4
184 31.2 24.3 36.5
145 28.3 23.4 35.0





#70
1,2,4-trichlorobenzene
Concen: 5383.326 ug/L m
RT: 15.098 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

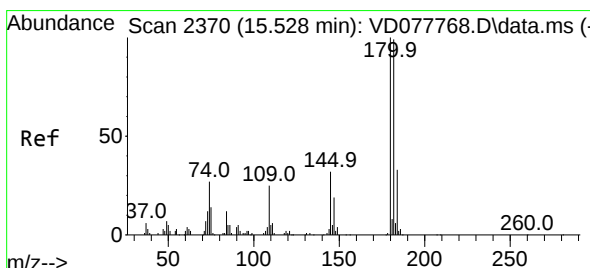
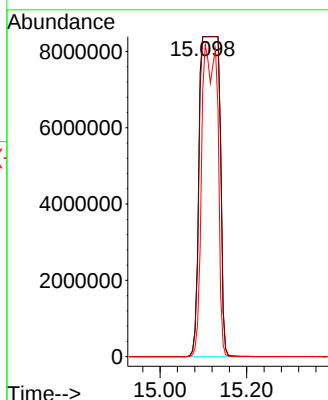
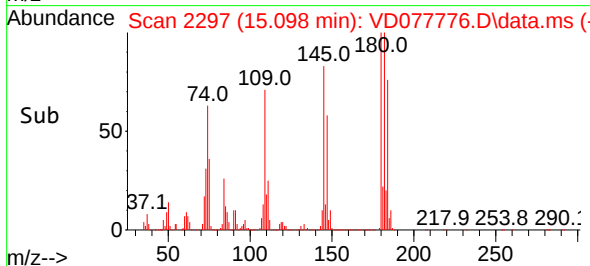
Instrument :
MSVOA_D
ClientSampleId :
C0AS0



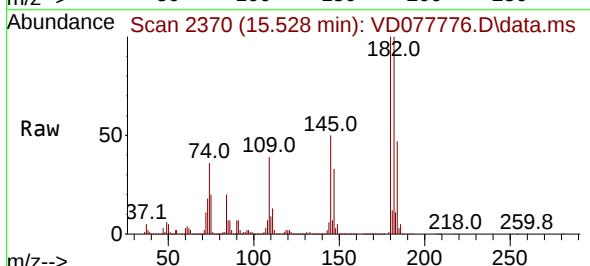
Tgt Ion:180 Resp:2721032
Ion Ratio Lower Upper
180 100
182 0.0 77.0 115.6
145 0.0 23.9 35.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#72
1,2,3-Trichlorobenzene
Concen: 3775.805 ug/L m
RT: 15.528 min Scan# 2370
Delta R.T. 0.000 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18



Tgt Ion:180 Resp:16730881
Ion Ratio Lower Upper
180 100
182 0.0 77.3 115.9#
145 0.0 25.2 37.8#

