

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041824\
 Data File : VV035282.D
 Acq On : 18 Apr 2024 14:50
 Operator : SY/MD
 Sample : P2158-06
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MCORD3

Quant Time: Apr 19 01:43:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 10 04:53:36 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/23/2024
 Supervised By :Semsettin Yesilyurt 04/23/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	362188	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	379302	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	236105	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	149946	42.868	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.740%		
7) Chloroethane-d5	1.526	69	127024	41.810	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	83.620%		
11) 1,1-Dichloroethene-d2	2.056	65	64219	41.883	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.760%		
21) 2-Butanone-d5	3.789	46	201913	97.331	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.330%		
24) Chloroform-d	4.246	84	291395	49.549	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.100%		
26) 1,2-Dichloroethane-d4	4.941	65	186758	50.018	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.040%		
32) Benzene-d6	4.960	84	587230	46.090	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.180%		
36) 1,2-Dichloropropane-d6	5.986	67	185948	45.960	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.920%		
41) Toluene-d8	7.239	98	490792	42.773	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.540%		
43) trans-1,3-Dichloroprop...	7.551	79	78775	40.051	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.100%		
47) 2-Hexanone-d5	8.027	63	140360	91.758	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.760%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	265445	47.644	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.280%		
66) 1,2-Dichlorobenzene-d4	11.571	152	239620	45.202	ug/L	0.01
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.400%		
Target Compounds					Qvalue	
25) Chloroform	4.275	83	59329	11.135	ug/L	100
29) Cyclohexane	4.580	56	7355	1.548	ug/L	# 63
31) Carbon tetrachloride	4.735	117	48096	11.477	ug/L	99
33) Benzene	4.998	78	24053269m	1944.720	ug/L	
46) Tetrachloroethene	7.912	164	3422	1.467	ug/L	96
51) Chlorobenzene	8.809	112	23538359m	2804.688	ug/L	
64) 1,3-Dichlorobenzene	11.117	146	5053852	635.358	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	21563005m	2665.723	ug/L	
67) 1,2-Dichlorobenzene	11.580	146	24842082m	3135.066	ug/L	
70) 1,2,4-trichlorobenzene	13.197	180	5938817	1127.784	ug/L	98
72) 1,2,3-Trichlorobenzene	13.677	180	1972603	380.025	ug/L	99

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

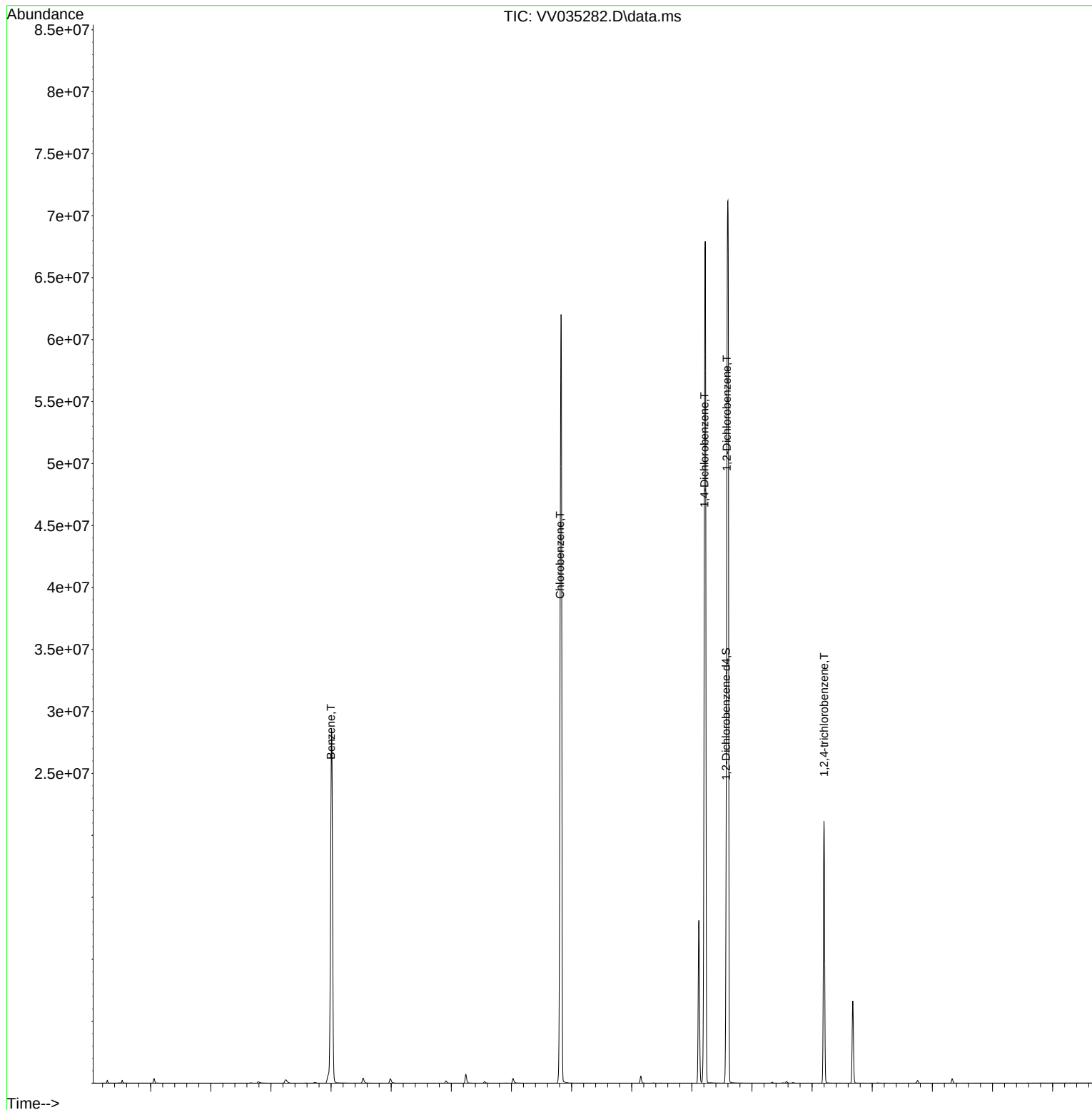
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041824\
Data File : VV035282.D
Acq On : 18 Apr 2024 14:50
Operator : SY/MD
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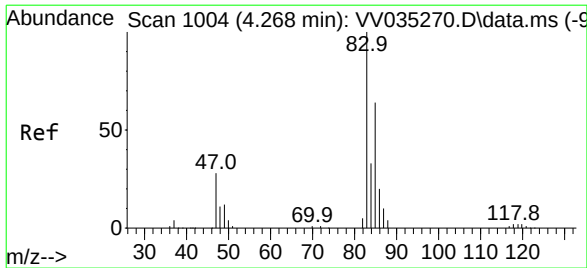
Instrument :
MSVOA_V
ClientSampleId :
MCORD3

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Quant Title : VOC Analysis
QLast Update : Wed Apr 10 04:53:36 2024
Response via : Initial Calibration





#25

Chloroform

Concen: 11.135 ug/L

RT: 4.275 min Scan# 10

Delta R.T. 0.003 min

Lab File: VV035282.D

Acq: 18 Apr 2024 14:50

Instrument :

MSVOA_V

ClientSampleId :

MCORD3

Tgt Ion: 83 Resp: 59329

Ion Ratio Lower Upper

83 100

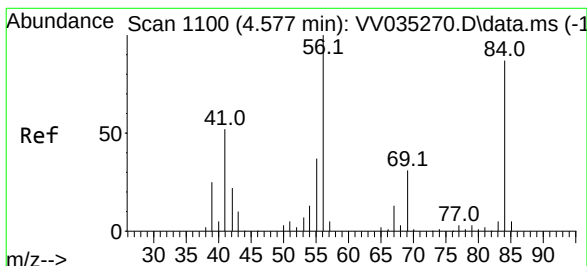
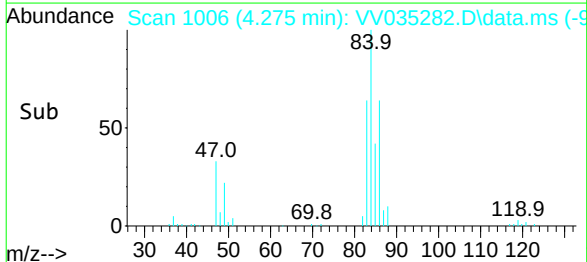
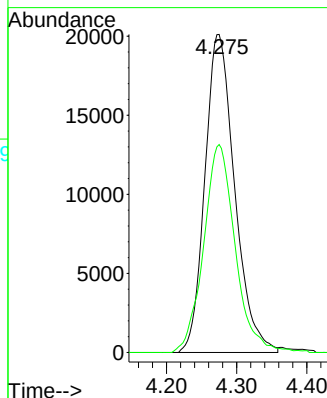
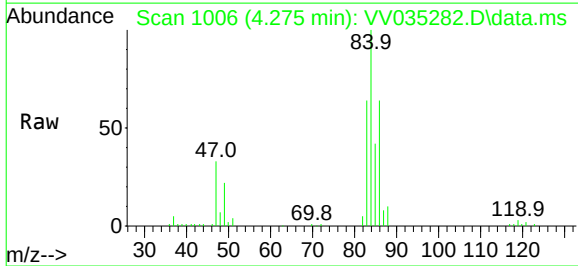
85 65.4 46.0 85.4

Manual Integrations

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#29

Cyclohexane

Concen: 1.548 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV035282.D

Acq: 18 Apr 2024 14:50

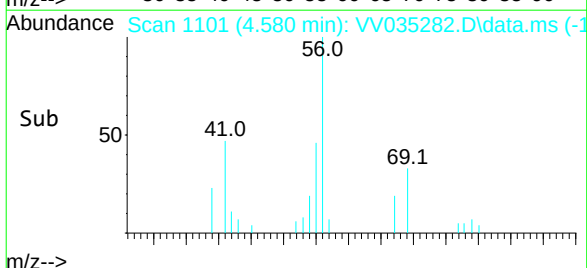
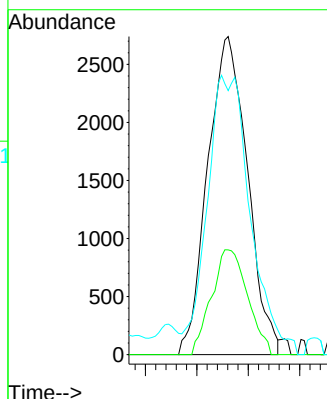
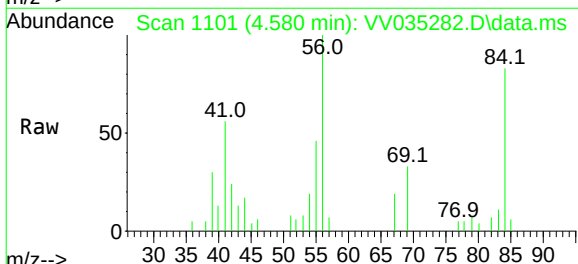
Tgt Ion: 56 Resp: 7355

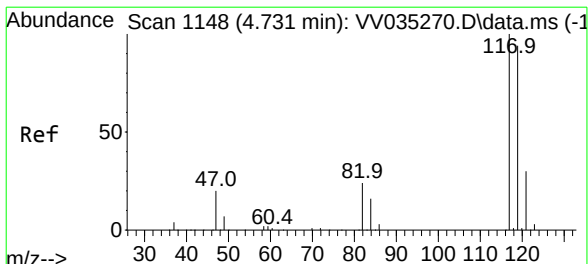
Ion Ratio Lower Upper

56 100

69 29.9 24.2 36.2

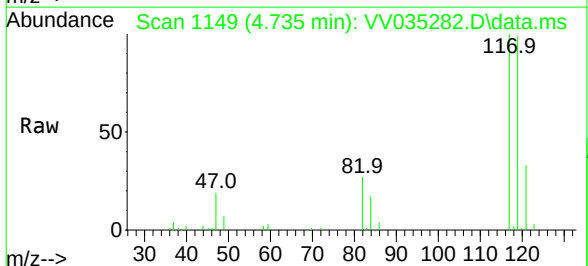
84 41.5 69.8 104.8#





#31
Carbon tetrachloride
Concen: 11.477 ug/L
RT: 4.735 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV035282.D
Acq: 18 Apr 2024 14:50

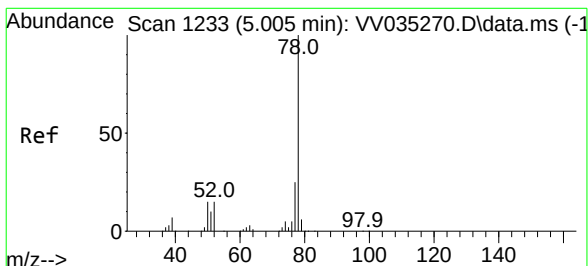
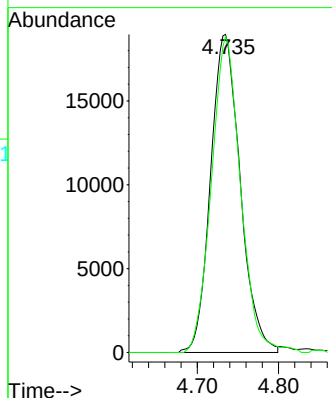
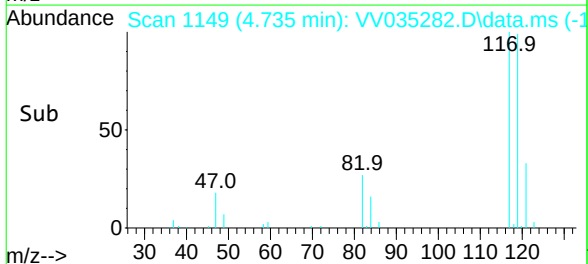
Instrument : MSVOA_V
ClientSampleId : MC0RD3



Tgt Ion:117 Resp: 48096
Ion Ratio Lower Upper
117 100
119 97.0 77.1 115.7

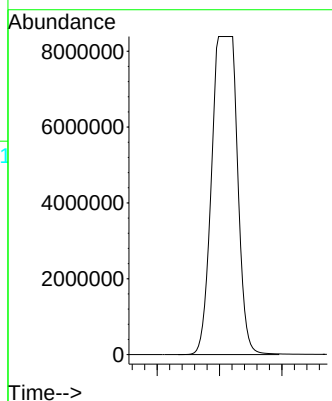
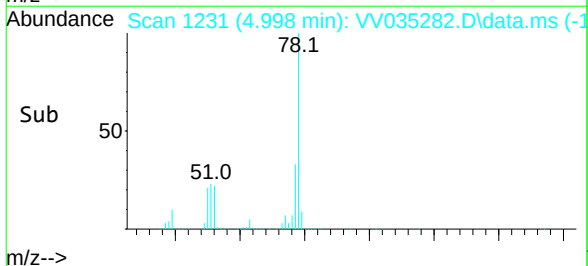
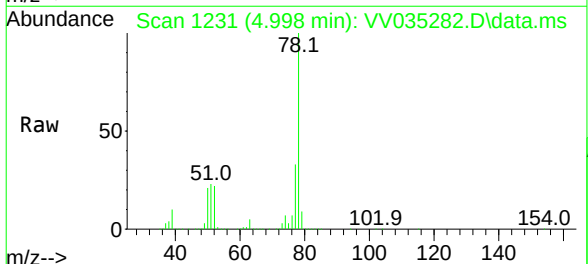
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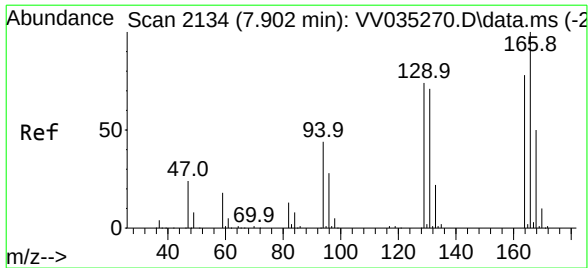
Reviewed By :Mahesh Dadoda 04/23/2024
Supervised By :Semsettin Yesilyurt 04/23/2024



#33
Benzene
Concen: 1944.720 ug/L m
RT: 4.998 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VV035282.D
Acq: 18 Apr 2024 14:50

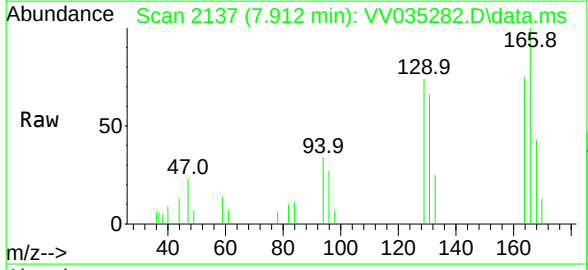
Tgt Ion: 78 Resp:24053269





#46
Tetrachloroethene
Concen: 1.467 ug/L
RT: 7.912 min Scan# 2134
Delta R.T. 0.010 min
Lab File: VV035282.D
Acq: 18 Apr 2024 14:50

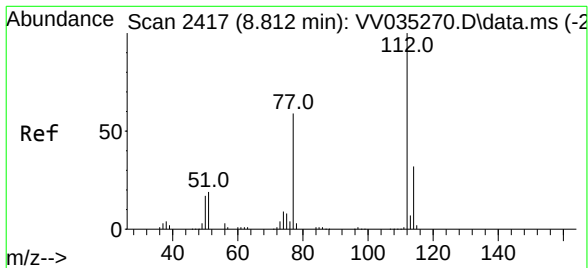
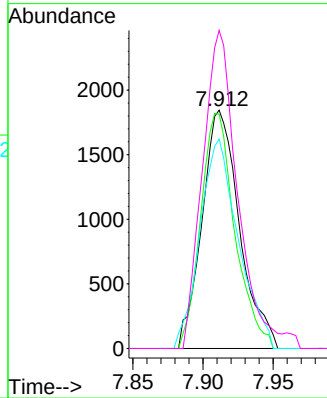
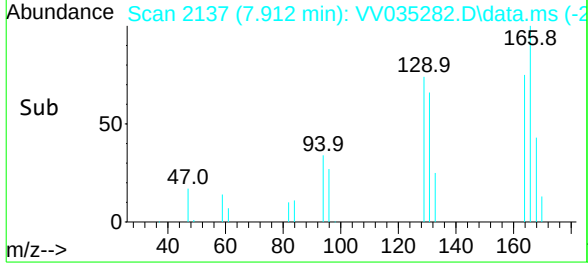
Instrument :
MSVOA_V
ClientSampleId :
MCORD3



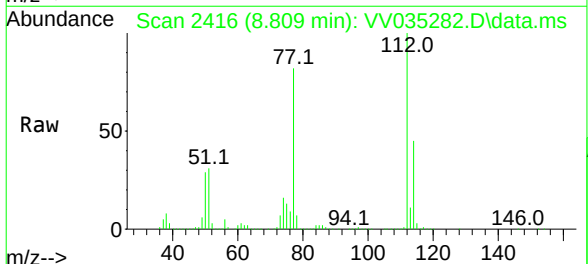
Tgt Ion:164 Resp: 3422
Ion Ratio Lower Upper
164 100
129 98.4 68.6 127.4
131 87.9 65.7 122.1
166 133.4 89.0 165.2

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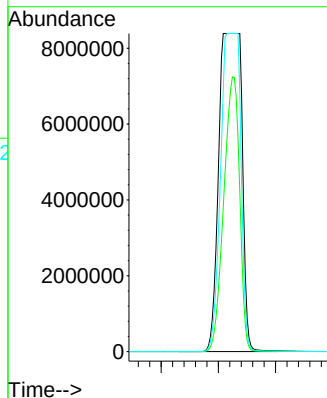
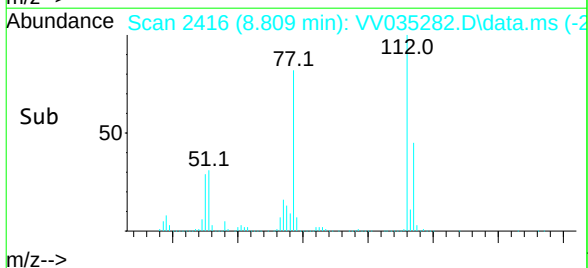
Reviewed By :Mahesh Dadoda 04/23/2024
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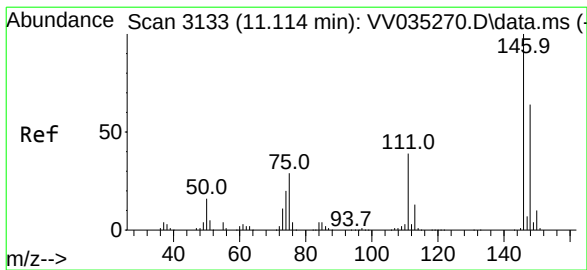


#51
Chlorobenzene
Concen: 2804.688 ug/L m
RT: 8.809 min Scan# 2416
Delta R.T. -0.003 min
Lab File: VV035282.D
Acq: 18 Apr 2024 14:50



Tgt Ion:112 Resp:23538359
Ion Ratio Lower Upper
112 100
114 45.5 22.0 41.0#
77 82.2 47.4 71.2#





#64

1,3-Dichlorobenzene

Concen: 635.358 ug/L

RT: 11.117 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV035282.D

Acq: 18 Apr 2024 14:50

Instrument :

MSVOA_V

ClientSampleId :

MC0RD3

Tgt Ion:146 Resp: 5053852

Ion Ratio Lower Upper

146 100

111 41.6 28.7 53.3

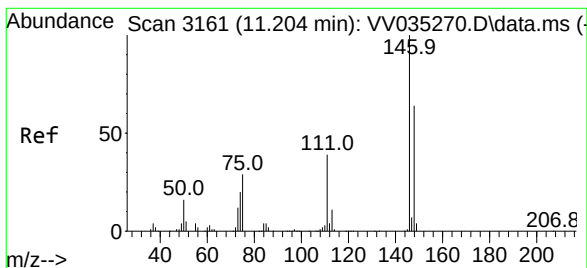
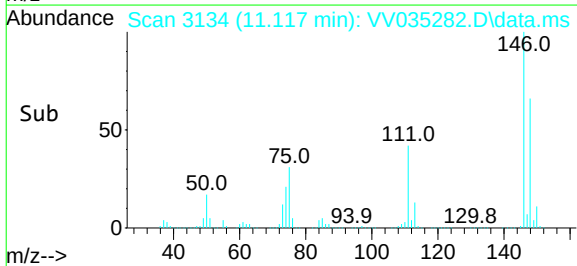
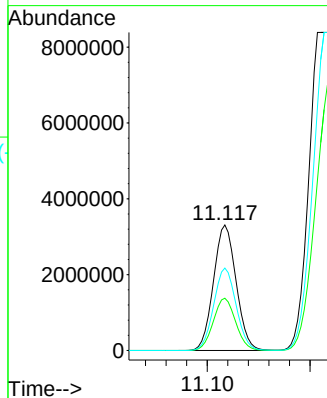
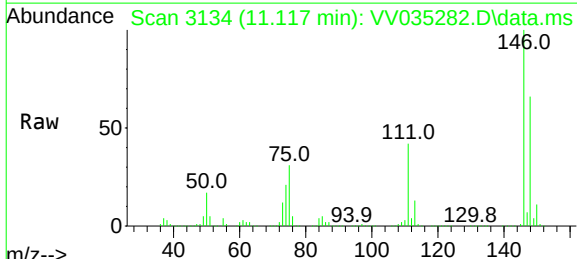
148 65.6 44.0 81.8

Manual Integrations

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#65

1,4-Dichlorobenzene

Concen: 2665.723 ug/L m

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV035282.D

Acq: 18 Apr 2024 14:50

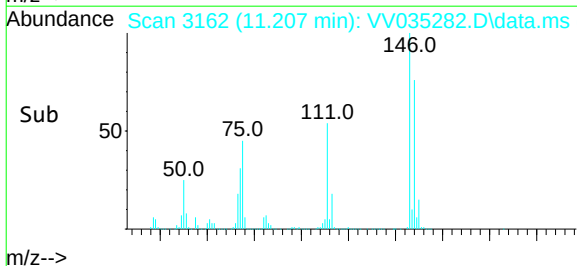
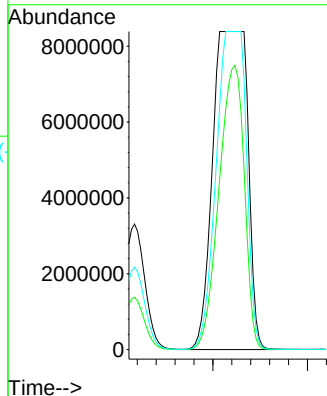
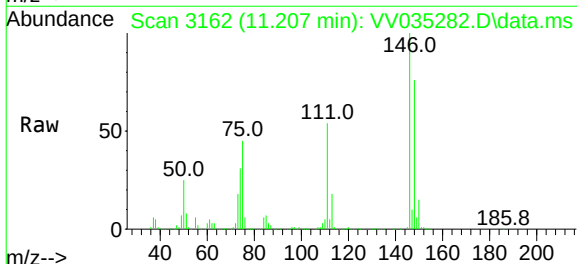
Tgt Ion:146 Resp:21563005

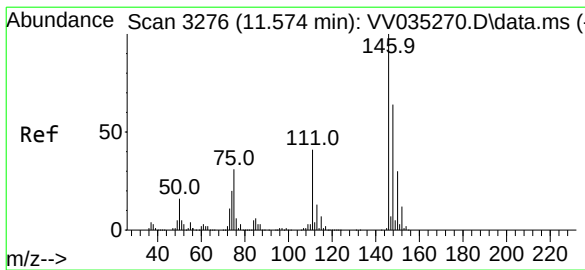
Ion Ratio Lower Upper

146 100

111 53.6 27.4 50.8#

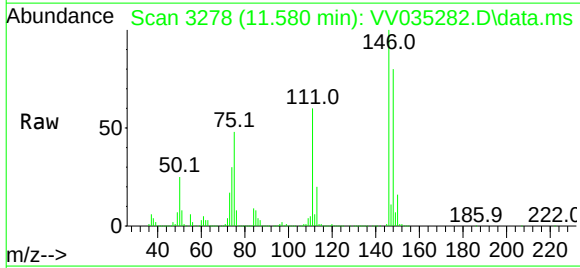
148 76.5 44.2 82.2





#67
1,2-Dichlorobenzene
Concen: 3135.066 ug/L m
RT: 11.580 min Scan# 3276
Delta R.T. 0.003 min
Lab File: VV035282.D
Acq: 18 Apr 2024 14:50

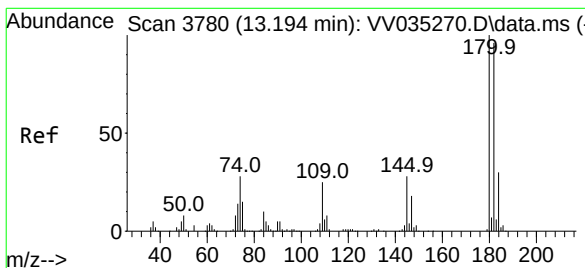
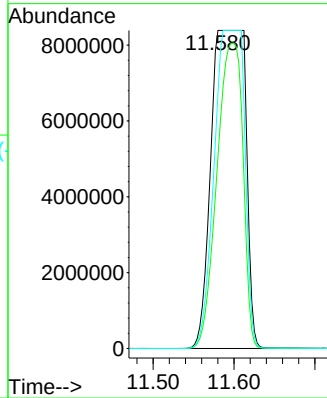
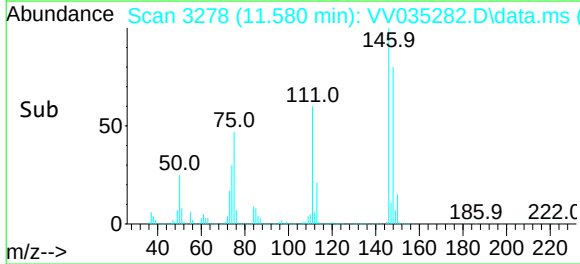
Instrument :
MSVOA_V
ClientSampleId :
MC0RD3



Tgt Ion:146 Resp:24842082
Ion Ratio Lower Upper
146 100
111 60.2 34.6 52.0#
148 80.0 51.5 77.3#

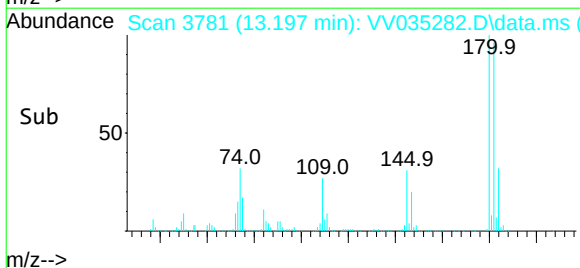
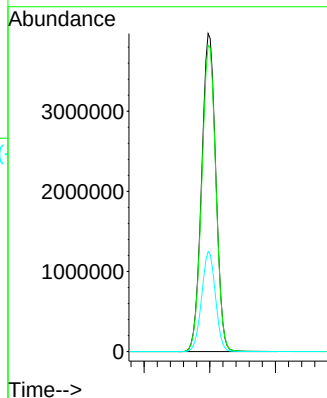
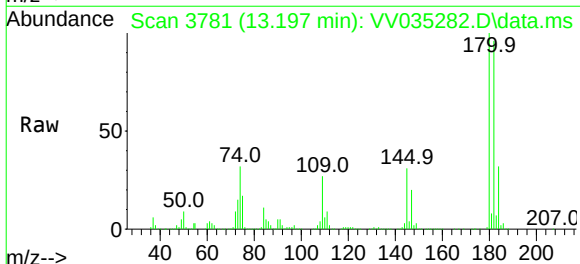
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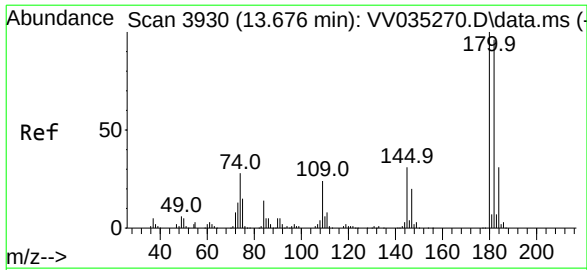
Reviewed By :Mahesh Dadoda 04/23/2024
Supervised By :Semsettin Yesilyurt 04/23/2024



#70
1,2,4-trichlorobenzene
Concen: 1127.784 ug/L
RT: 13.197 min Scan# 3781
Delta R.T. 0.003 min
Lab File: VV035282.D
Acq: 18 Apr 2024 14:50

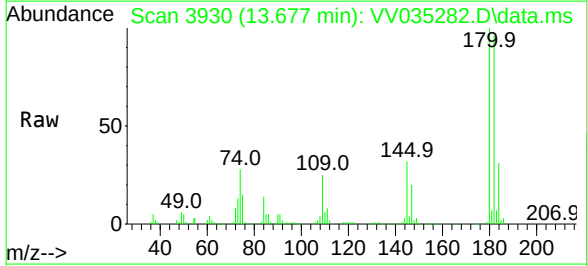
Tgt Ion:180 Resp: 5938817
Ion Ratio Lower Upper
180 100
182 96.4 75.6 113.4
145 30.7 24.1 36.1





#72
1,2,3-Trichlorobenzene
Concen: 380.025 ug/L
RT: 13.677 min Scan# 39
Delta R.T. 0.000 min
Lab File: VV035282.D
Acq: 18 Apr 2024 14:50

Instrument :
MSVOA_V
ClientSampleId :
MC0RD3



Tgt Ion:180 Resp: 1972603
Ion Ratio Lower Upper
180 100
182 96.2 76.2 114.2
145 31.4 25.8 38.6

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