

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041824\
 Data File : VV035280.D
 Acq On : 18 Apr 2024 14:02
 Operator : SY/MD
 Sample : P2158-04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MCORD0

Quant Time: Apr 19 01:42:54 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	5.535	114	370710	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.809	117	387825	50.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.194	152	256444m	50.000	ug/L	0.01
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	146363	40.882	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	81.760%		
7) Chloroethane-d5	1.523	69	125932	40.498	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.000%		
11) 1,1-Dichloroethene-d2	2.056	65	63961	40.756	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.520%		
21) 2-Butanone-d5	3.789	46	191365	90.126	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.130%		
24) Chloroform-d	4.246	84	293438	48.749	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.500%		
26) 1,2-Dichloroethane-d4	4.960	65	197888	51.781	ug/L	0.02
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.560%		
32) Benzene-d6	4.969	84	593403	45.551	ug/L	0.01
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.100%		
36) 1,2-Dichloropropane-d6	5.989	67	188625	45.597	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.200%		
41) Toluene-d8	7.243	98	497620	42.415	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.840%		
43) trans-1,3-Dichloroprop...	7.555	79	83244	41.393	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.780%		
47) 2-Hexanone-d5	8.030	63	144267	92.240	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.240%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	281645	49.440	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.880%		
66) 1,2-Dichlorobenzene-d4	11.570	152	250981	43.590	ug/L	0.01
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.180%		
Target Compounds					Qvalue	
14) Carbon disulfide	2.236	76	16538	2.111	ug/L	100
16) Methylene chloride	2.445	84	10696	3.548	ug/L	94
25) Chloroform	4.272	83	222182	40.740	ug/L	99
29) Cyclohexane	4.584	56	17496	3.602	ug/L	96
31) Carbon tetrachloride	4.735	117	214585	50.081	ug/L	100
33) Benzene	4.992	78	47743511m	3775.258	ug/L	
34) Trichloroethene	5.847	95	4557	1.335	ug/L	94
35) Methylcyclohexane	6.050	83	6898	1.338	ug/L #	78
42) Toluene	7.333	91	12561	0.949	ug/L	92
46) Tetrachloroethene	7.908	164	6391	2.680	ug/L	95
51) Chlorobenzene	8.809	112	42791874m	4986.765	ug/L	
64) 1,3-Dichlorobenzene	11.117	146	2389040	276.524	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	25826749m	2939.599	ug/L	
67) 1,2-Dichlorobenzene	11.580	146	21934887m	2548.630	ug/L	
70) 1,2,4-trichlorobenzene	13.197	180	3260904	570.134	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	221681	39.320	ug/L	98

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

Instrument :

MSVOA_V

ClientSampleId :

MC0RD0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/23/2024

Supervised By :Semsettin Yesilyurt 04/23/2024

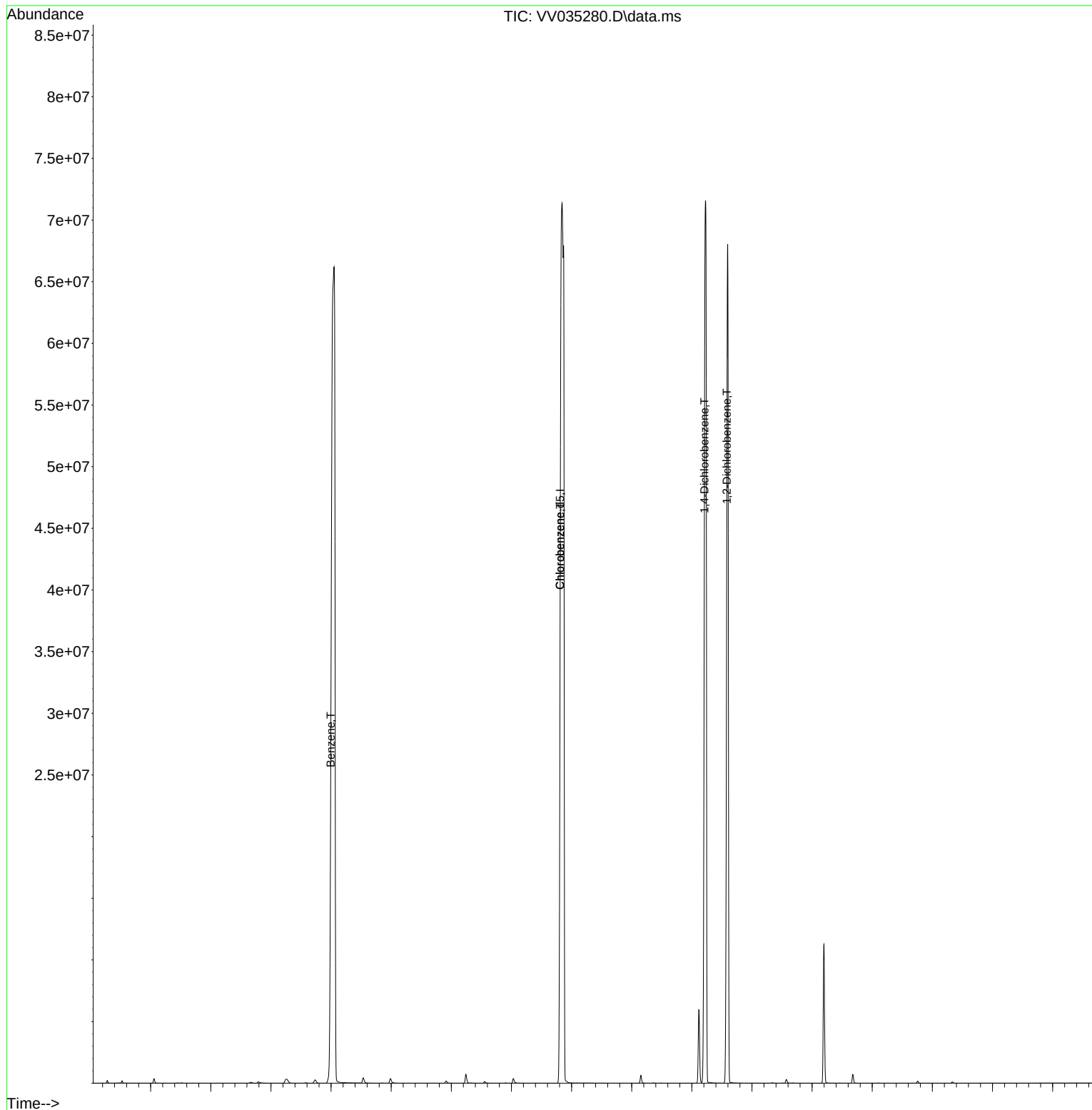
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041824\
Data File : VV035280.D
Acq On : 18 Apr 2024 14:02
Operator : SY/MD
Sample : P2158-04
Misc : 5.0mL/MSVOA_V/WATER
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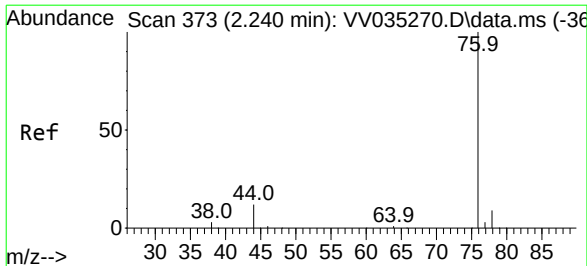
Instrument :
MSVOA_V
ClientSampleId :
MCORD0

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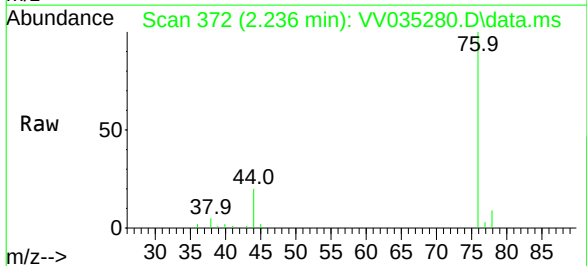
Quant Time: Apr 19 01:42:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 10 04:53:36 2024
Response via : Initial Calibration





#14
Carbon disulfide
Concen: 2.111 ug/L
RT: 2.236 min Scan# 373
Delta R.T. -0.003 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

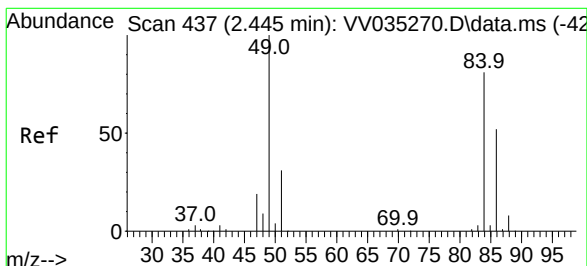
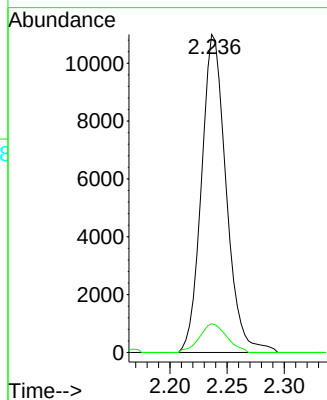
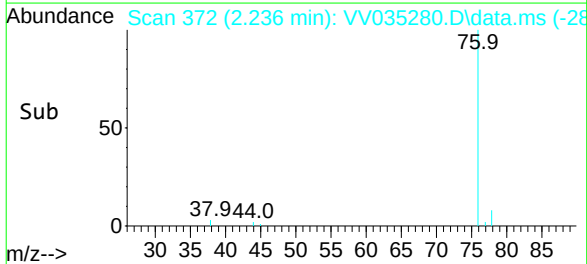
Instrument :
MSVOA_V
ClientSampleId :
MCORD0



Tgt Ion: 76 Resp: 16538
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

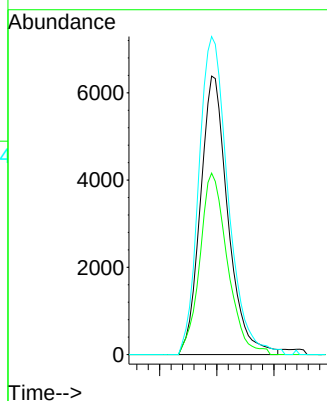
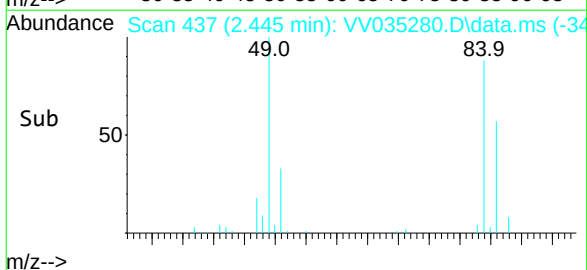
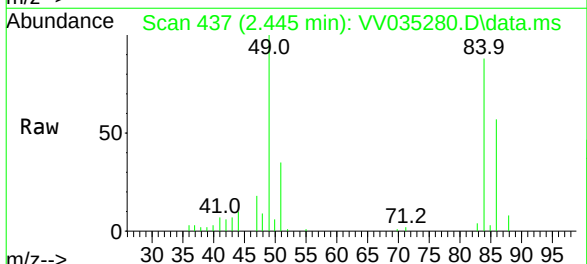
Manual Integrations
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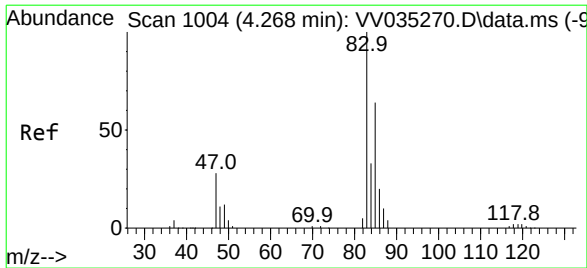
Reviewed By :Mahesh Dadoda 04/23/2024
Supervised By :Semsettin Yesilyurt 04/23/2024



#16
Methylene chloride
Concen: 3.548 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

Tgt Ion: 84 Resp: 10696
Ion Ratio Lower Upper
84 100
86 65.1 44.6 82.8
49 114.2 86.9 161.3





#25

Chloroform

Concen: 40.740 ug/L

RT: 4.272 min Scan# 10

Delta R.T. 0.000 min

Lab File: VV035280.D

Acq: 18 Apr 2024 14:02

Instrument :

MSVOA_V

ClientSampleId :

MCORD0

Tgt Ion: 83 Resp: 222182

Ion Ratio Lower Upper

83 100

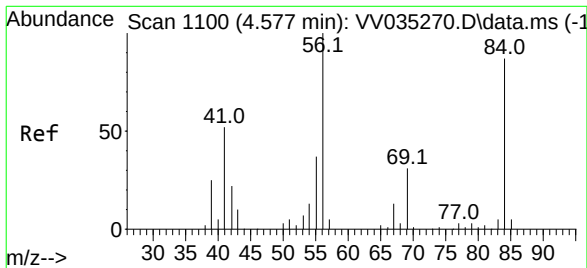
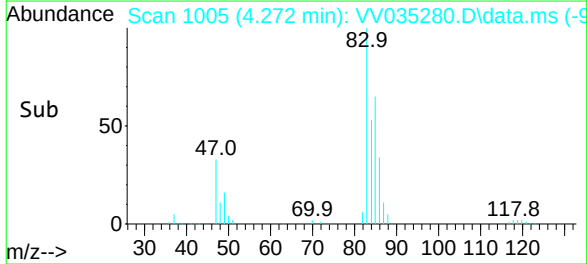
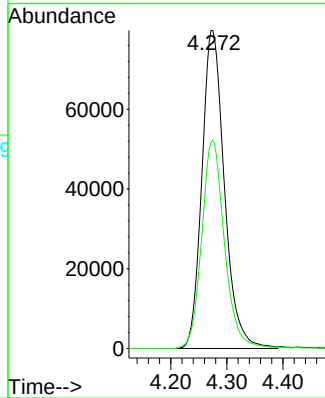
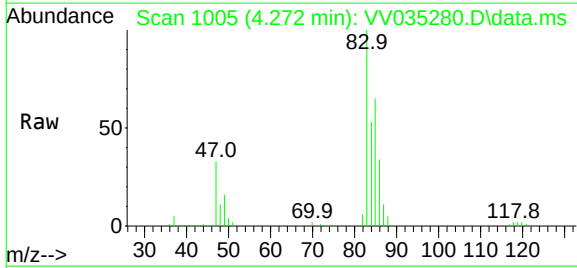
85 64.9 46.0 85.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/23/2024

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#29

Cyclohexane

Concen: 3.602 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VV035280.D

Acq: 18 Apr 2024 14:02

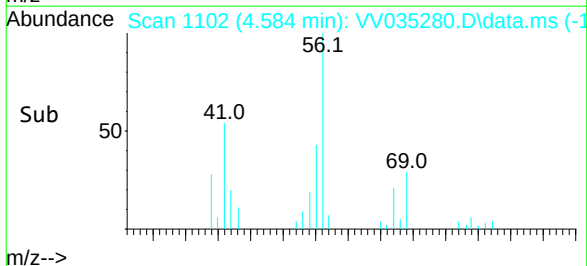
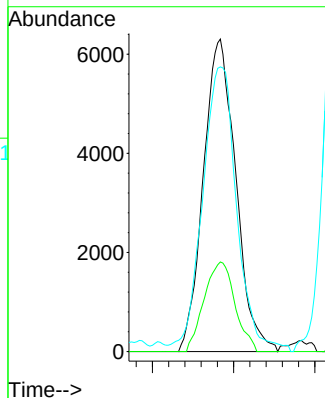
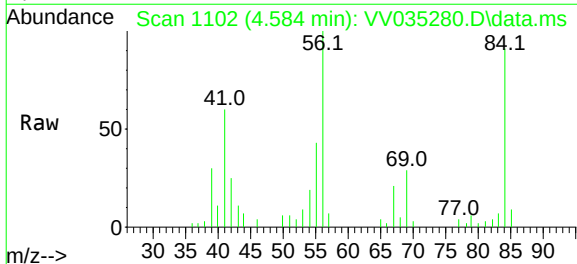
Tgt Ion: 56 Resp: 17496

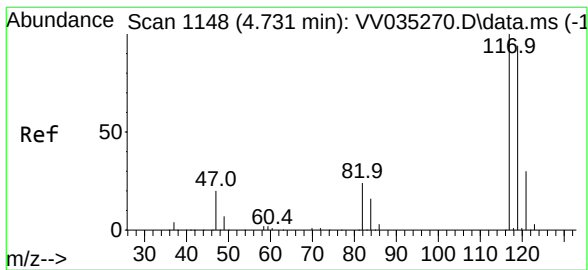
Ion Ratio Lower Upper

56 100

69 27.2 24.2 36.2

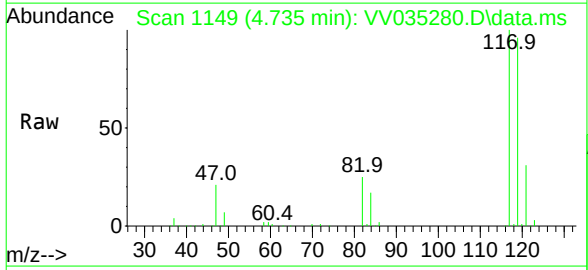
84 89.9 69.8 104.8





#31
Carbon tetrachloride
Concen: 50.081 ug/L
RT: 4.735 min Scan# 111
Delta R.T. 0.003 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

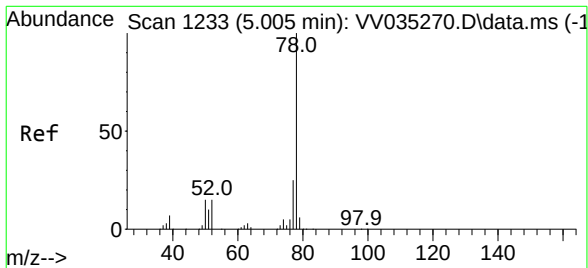
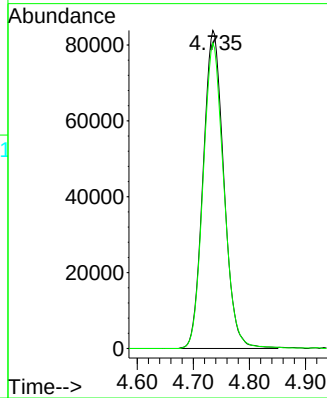
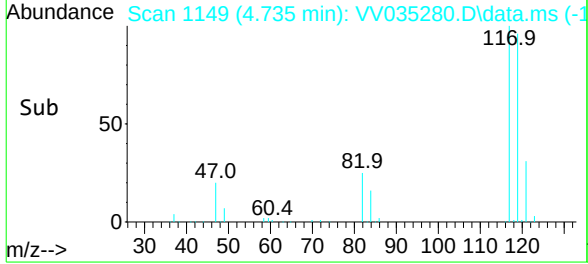
Instrument :
MSVOA_V
ClientSampleId :
MCORD0



Tgt Ion:117 Resp: 214585
Ion Ratio Lower Upper
117 100
119 96.0 77.1 115.7

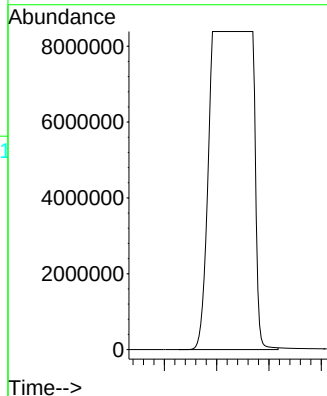
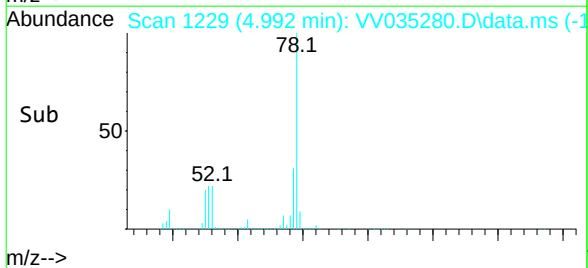
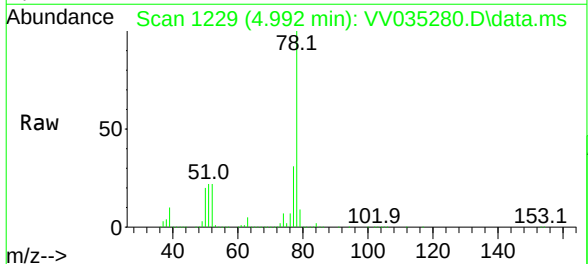
Manual Integrations
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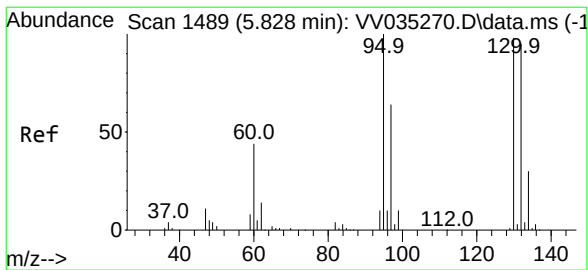
Reviewed By :Mahesh Dadoda 04/23/2024
Supervised By :Semsettin Yesilyurt 04/23/2024



#33
Benzene
Concen: 3775.258 ug/L m
RT: 4.992 min Scan# 1229
Delta R.T. -0.013 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

Tgt Ion: 78 Resp:47743511





#34

Trichloroethene

Concen: 1.335 ug/L

RT: 5.847 min Scan# 1489

Delta R.T. 0.019 min

Lab File: VV035280.D

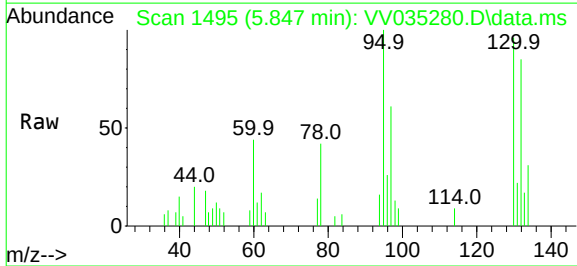
Acq: 18 Apr 2024 14:02

Instrument :

MSVOA_V

ClientSampleId :

MCORD0



Tgt Ion: 95 Resp: 4557

Ion Ratio Lower Upper

95 100

97 61.1 45.3 84.1

132 84.7 65.3 121.3

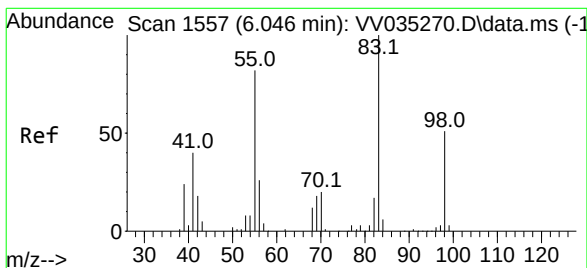
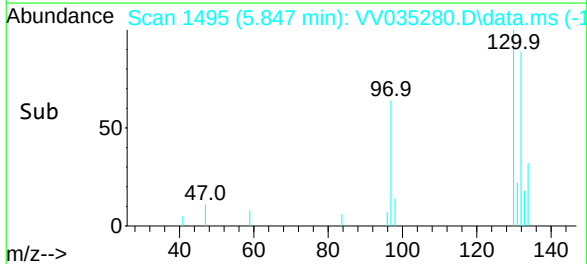
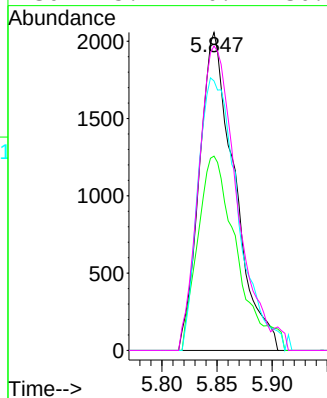
130 95.7 70.1 130.3

Manual Integrations

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Supervised By :Semsettin Yesilyurt 04/23/2024



#35

Methylcyclohexane

Concen: 1.338 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV035280.D

Acq: 18 Apr 2024 14:02

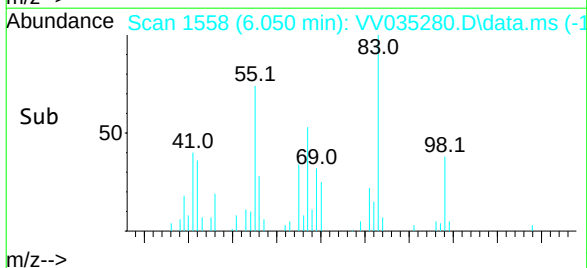
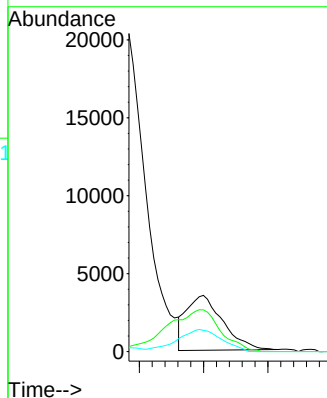
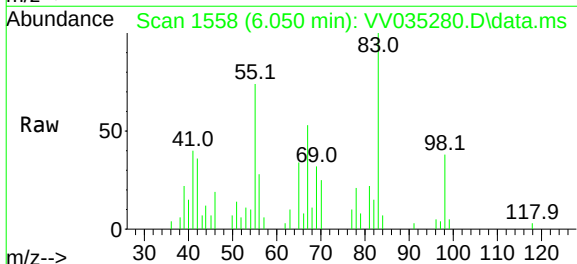
Tgt Ion: 83 Resp: 6898

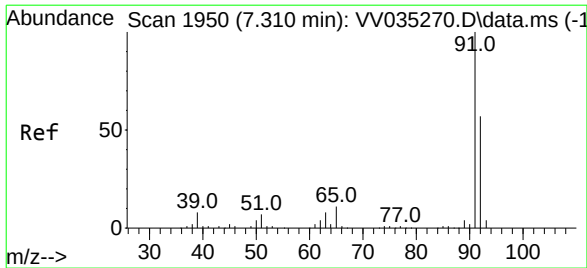
Ion Ratio Lower Upper

83 100

55 46.9 60.0 90.0#

98 49.2 37.6 56.4





#42

Toluene

Concen: 0.949 ug/L

RT: 7.333 min Scan# 19

Delta R.T. 0.022 min

Lab File: VV035280.D

Acq: 18 Apr 2024 14:02

Instrument :

MSVOA_V

ClientSampleId :

MCORD0

Tgt Ion: 91 Resp: 12561

Ion Ratio Lower Upper

91 100

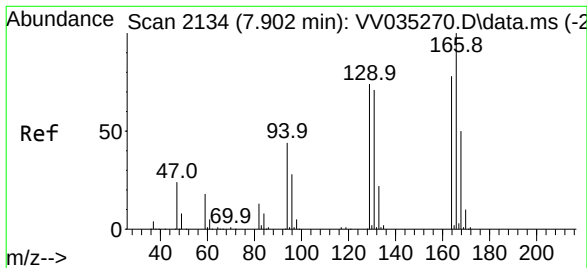
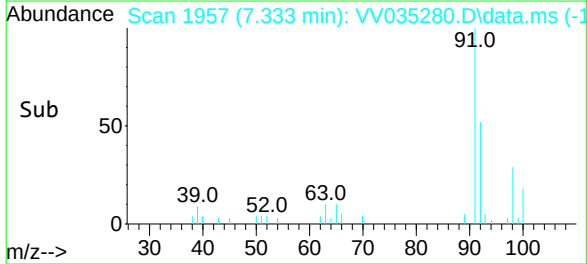
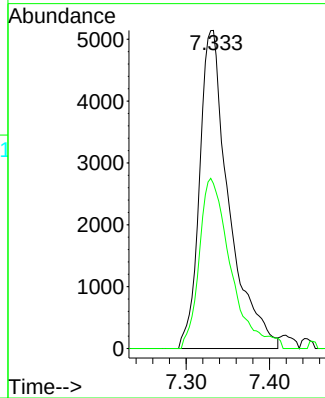
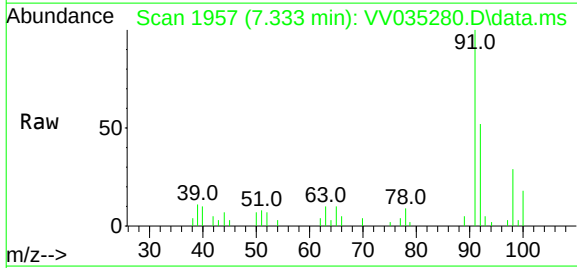
92 51.8 40.3 74.8

Manual Integrations

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Supervised By :Semsettin Yesilyurt 04/23/2024



#46

Tetrachloroethene

Concen: 2.680 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.006 min

Lab File: VV035280.D

Acq: 18 Apr 2024 14:02

Tgt Ion:164 Resp: 6391

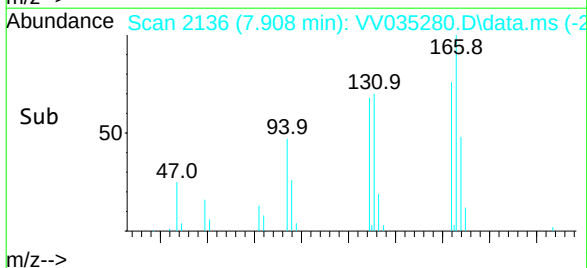
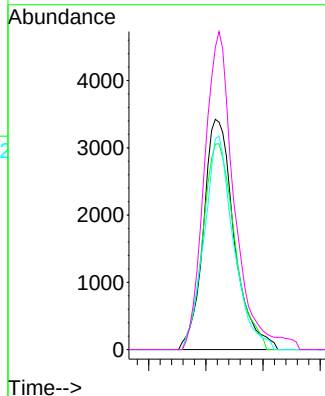
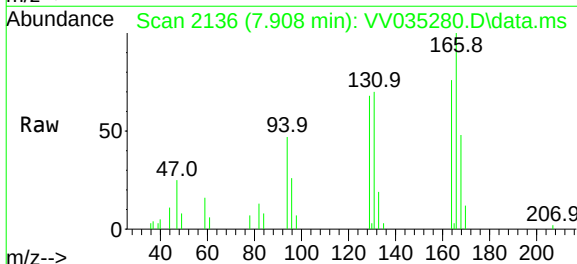
Ion Ratio Lower Upper

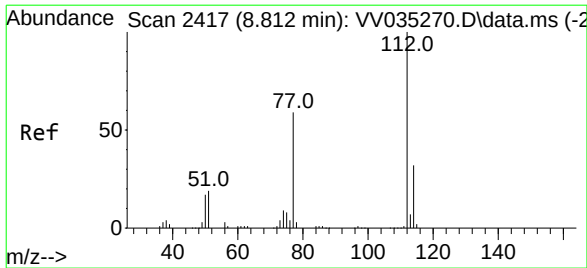
164 100

129 89.2 68.6 127.4

131 91.4 65.7 122.1

166 131.2 89.0 165.2





#51

Chlorobenzene

Concen: 4986.765 ug/L m

RT: 8.809 min Scan# 2417

Delta R.T. -0.003 min

Lab File: VV035280.D

Acq: 18 Apr 2024 14:02

Instrument :

MSVOA_V

ClientSampleId :

MCORD0

Tgt Ion:112 Resp:42791874

Ion Ratio Lower Upper

112 100

114 46.5 22.0 41.0#

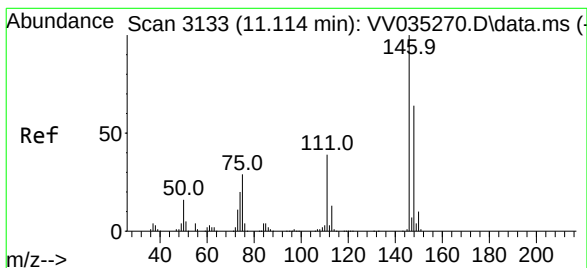
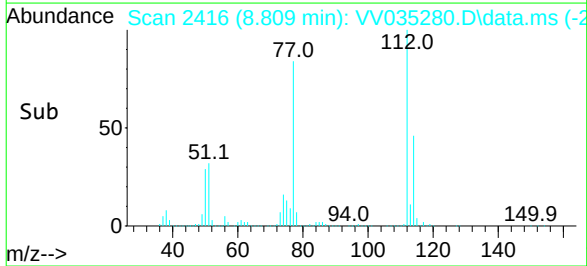
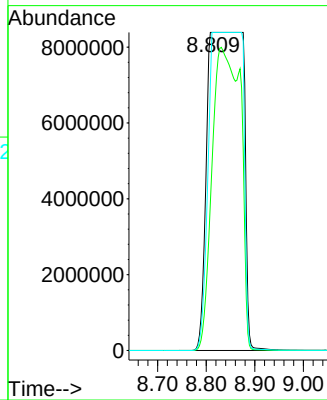
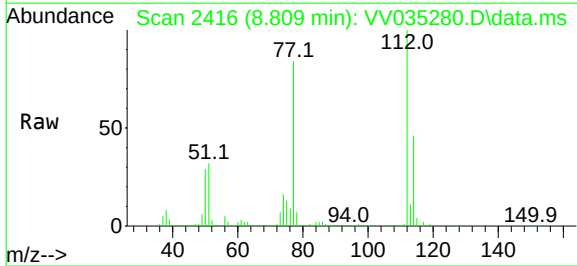
77 83.8 47.4 71.2#

Manual Integrations

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Supervised By :Semsettin Yesilyurt 04/23/2024



#64

1,3-Dichlorobenzene

Concen: 276.524 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV035280.D

Acq: 18 Apr 2024 14:02

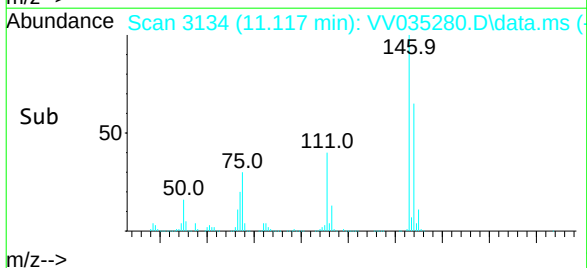
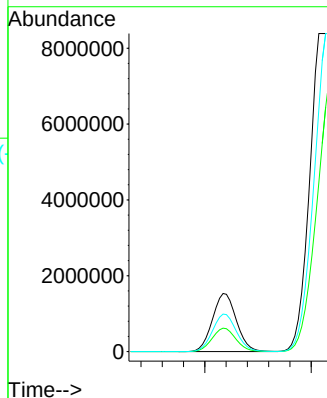
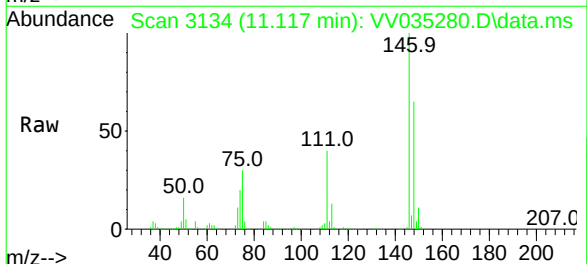
Tgt Ion:146 Resp: 2389040

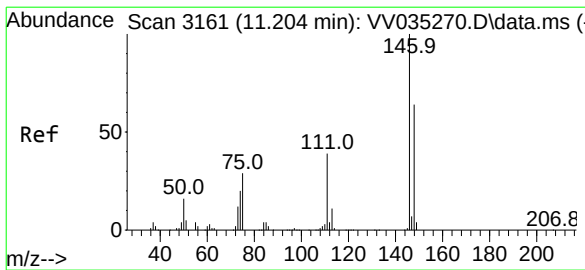
Ion Ratio Lower Upper

146 100

111 40.4 28.7 53.3

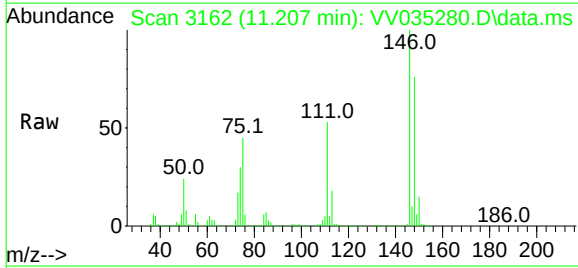
148 64.5 44.0 81.8





#65
1,4-Dichlorobenzene
Concen: 2939.599 ug/L m
RT: 11.207 min Scan# 3161
Delta R.T. 0.000 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

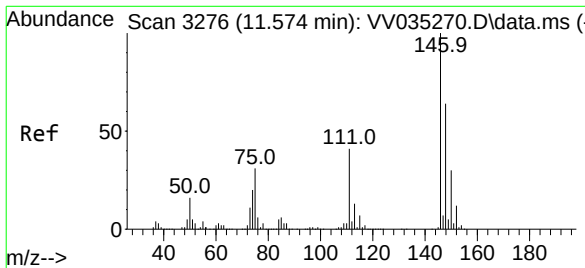
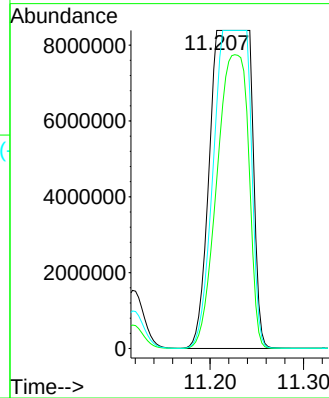
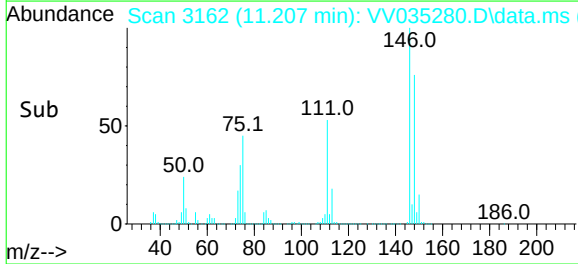
Instrument :
MSVOA_V
ClientSampleId :
MCORD0



Tgt Ion:146 Resp:25826749
Ion Ratio Lower Upper
146 100
111 53.1 27.4 50.8#
148 76.2 44.2 82.2

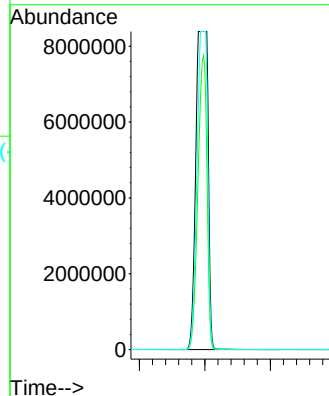
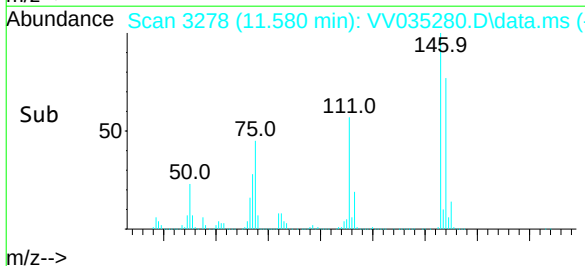
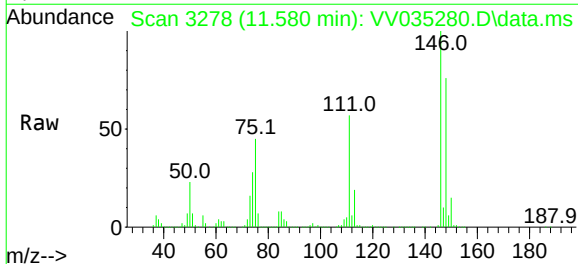
Manual Integrations
APPROVED

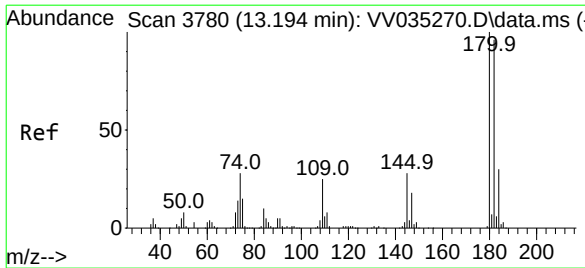
Reviewed By :Mahesh Dadoda 04/23/2024
Supervised By :Semsettin Yesilyurt 04/23/2024



#67
1,2-Dichlorobenzene
Concen: 2548.630 ug/L m
RT: 11.580 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

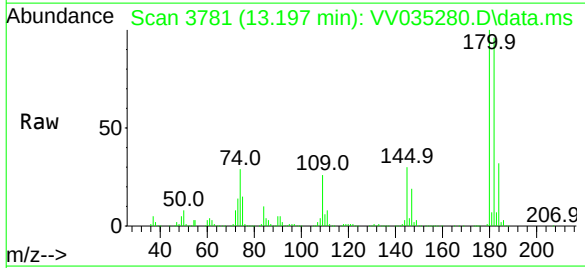
Tgt Ion:146 Resp:21934887
Ion Ratio Lower Upper
146 100
111 57.1 34.6 52.0#
148 76.4 51.5 77.3





#70
1,2,4-trichlorobenzene
Concen: 570.134 ug/L
RT: 13.197 min Scan# 3780
Delta R.T. 0.003 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02

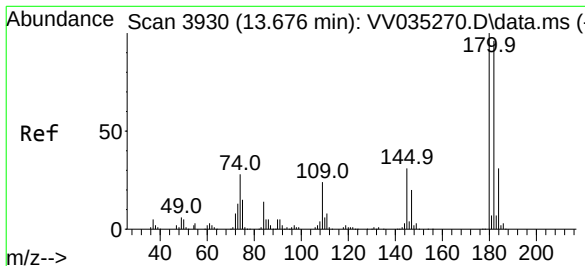
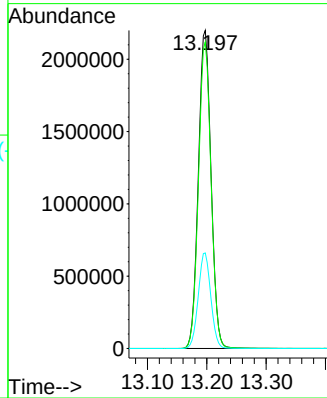
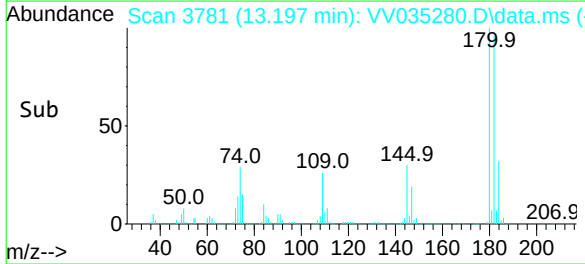
Instrument :
MSVOA_V
ClientSampleId :
MCORD0



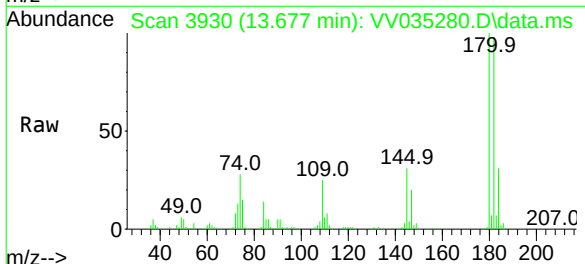
Tgt Ion:180 Resp: 3260904
Ion Ratio Lower Upper
180 100
182 95.9 75.6 113.4
145 29.8 24.1 36.1

Manual Integrations
APPROVED

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



#72
1,2,3-Trichlorobenzene
Concen: 39.320 ug/L
RT: 13.677 min Scan# 3930
Delta R.T. 0.000 min
Lab File: VV035280.D
Acq: 18 Apr 2024 14:02



Tgt Ion:180 Resp: 221681
Ion Ratio Lower Upper
180 100
182 96.6 76.2 114.2
145 30.6 25.8 38.6

