

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040524\
 Data File : VW035022.D
 Acq On : 05 Apr 2024 22:40
 Operator : SY/MD
 Sample : P2006-10
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MCORE9

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/08/2024
 Supervised By :Semsettin Yesilyurt 04/08/2024

Quant Time: Apr 06 03:18:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 02:25:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	390104	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.818	117	407184	50.000	ug/L	0.04
58) 1,4-Dichlorobenzene-d4	11.217	152	239612	50.000	ug/L	# 0.03
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	167053	44.341	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	88.680%	
7) Chloroethane-d5	1.532	69	157079	48.003	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	96.000%	
11) 1,1-Dichloroethene-d2	2.060	65	73661	44.603	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	89.200%	
21) 2-Butanone-d5	3.793	46	189151	84.654	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	84.650%	
24) Chloroform-d	4.246	84	297097	46.903	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	93.800%	
26) 1,2-Dichloroethane-d4	4.947	65	184967	45.993	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	91.980%	
32) Benzene-d6	4.966	84	599058	43.799	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	87.600%	
36) 1,2-Dichloropropane-d6	5.989	67	187556	43.183	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	86.360%	
41) Toluene-d8	7.243	98	524514	42.582	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	85.160%	
43) trans-1,3-Dichloroprop...	7.555	79	85002	40.257	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	80.520%	
47) 2-Hexanone-d5	8.034	63	131448	80.048	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	80.050%	
56) 1,1,2,2-Tetrachloroeth...	10.153	84	282124	47.170	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	94.340%	
66) 1,2-Dichlorobenzene-d4	11.590	152	221421	41.158	ug/L	0.03
Spiked Amount 50.000	Range 80	- 120	Recovery	=	82.320%	
Target Compounds						
13) Acetone	2.124	43	34185	16.665	ug/L	99
25) Chloroform	4.272	83	449026	78.242	ug/L	98
29) Cyclohexane	4.580	56	32589	6.390	ug/L	97
31) Carbon tetrachloride	4.735	117	355023	78.917	ug/L	100
33) Benzene	4.998	78	33542757m	2526.249	ug/L	
35) Methylcyclohexane	6.047	83	15349	2.836	ug/L	# 80
38) Bromodichloromethane	6.445	83	5002	1.057	ug/L	# 96
42) Toluene	7.326	91	19820	1.426	ug/L	99
46) Tetrachloroethene	7.912	164	4479	1.789	ug/L	94
51) Chlorobenzene	8.812	112	50054706m	5555.813	ug/L	
64) 1,3-Dichlorobenzene	11.130	146	16792586	2080.225	ug/L	91
65) 1,4-Dichlorobenzene	11.210	146	37230186m	4535.211	ug/L	
67) 1,2-Dichlorobenzene	11.587	146	37655764m	4682.597	ug/L	
69) 1,3,5-Trichlorobenzene	12.587	180	31023	5.332	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	20357320m	3809.283	ug/L	
72) 1,2,3-Trichlorobenzene	13.686	180	7158429	1358.897	ug/L	99

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

Instrument :

MSVOA_V

ClientSampleId :

MC0RE9

Manual Integrations

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Supervised By :Semsettin Yesilyurt 04/08/2024

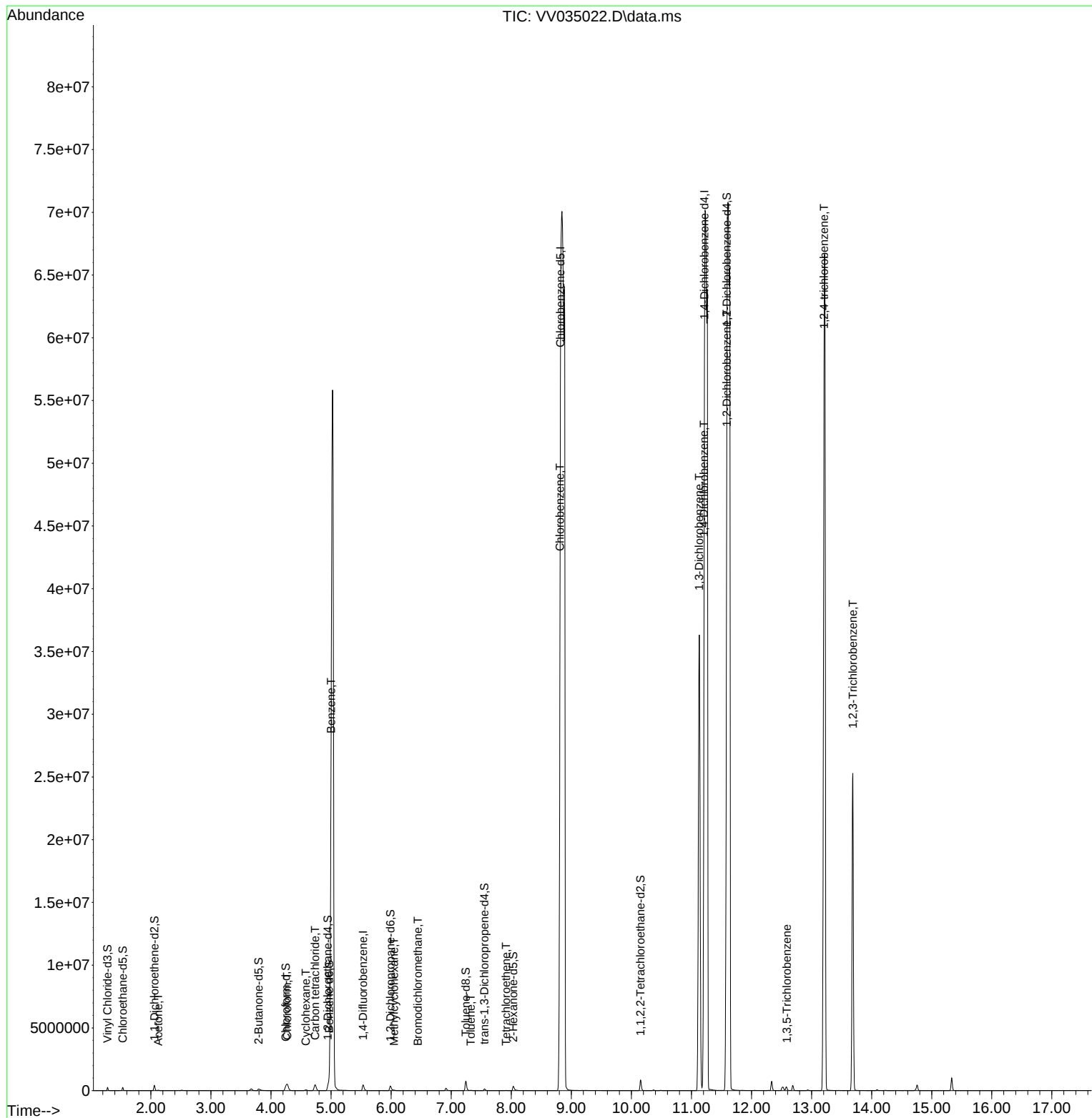
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040524\
Data File : VV035022.D
Acq On : 05 Apr 2024 22:40
Operator : SY/MD
Sample : P2006-10
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ALS Vial : 35 Sample Multiplier: 1

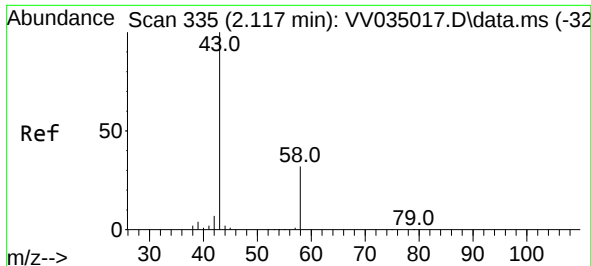
Instrument :
MSVOA_V
ClientSampleId :
MCORE9

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 06 02:25:24 2024
Response via : Initial Calibration





#13

Acetone

Concen: 16.665 ug/L

RT: 2.124 min Scan# 3

Delta R.T. 0.007 min

Lab File: VV035022.D

Acq: 05 Apr 2024 22:40

Instrument :

MSVOA_V

ClientSampleId :

MCORE9

Tgt Ion: 43 Resp: 3418

Ion Ratio Lower Upper

43 100

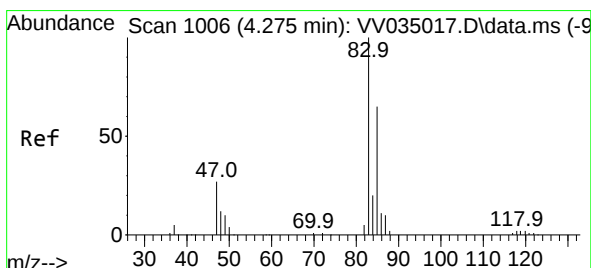
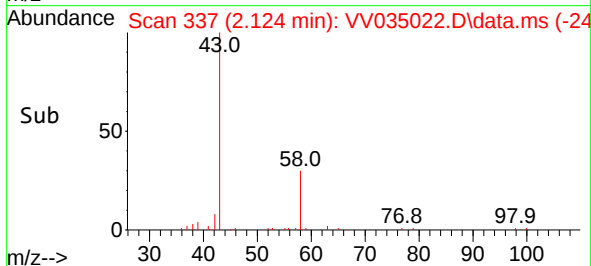
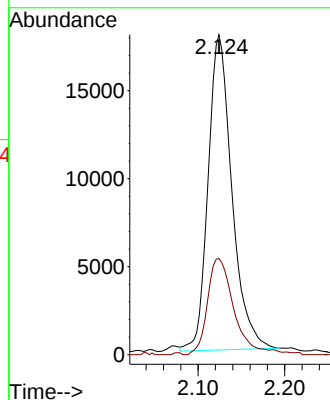
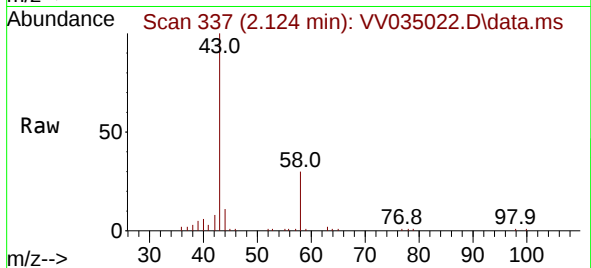
58 33.3 0.0 66.0

Manual Integrations

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#25

Chloroform

Concen: 78.242 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. -0.003 min

Lab File: VV035022.D

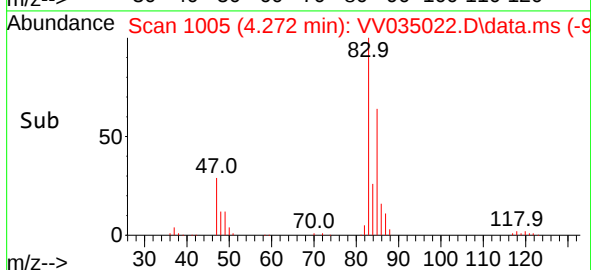
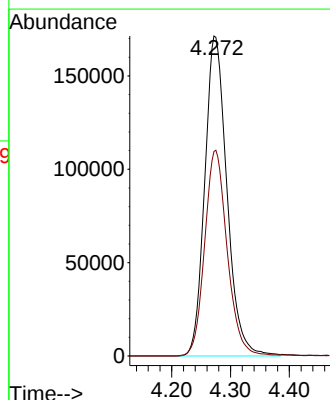
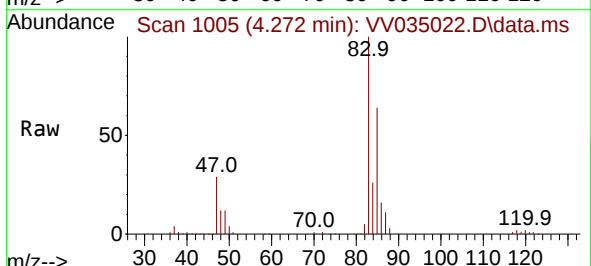
Acq: 05 Apr 2024 22:40

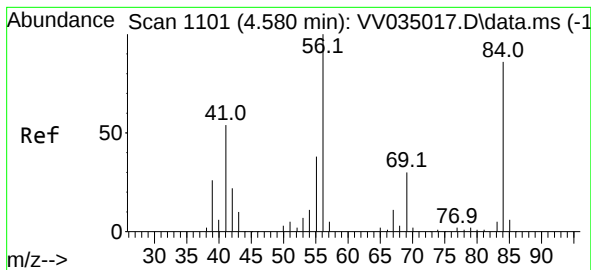
Tgt Ion: 83 Resp: 449026

Ion Ratio Lower Upper

83 100

85 63.9 46.0 85.4





#29

Cyclohexane

Concen: 6.390 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.000 min

Lab File: VV035022.D

Acq: 05 Apr 2024 22:40

Instrument :

MSVOA_V

ClientSampleId :

MC0RE9

Tgt Ion: 56 Resp: 32589

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.2

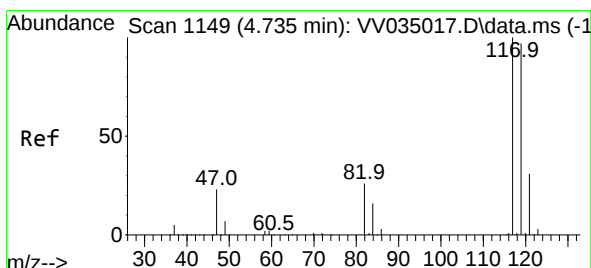
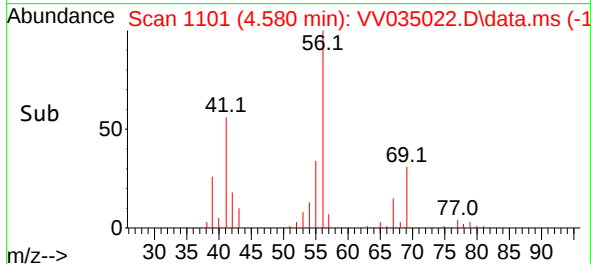
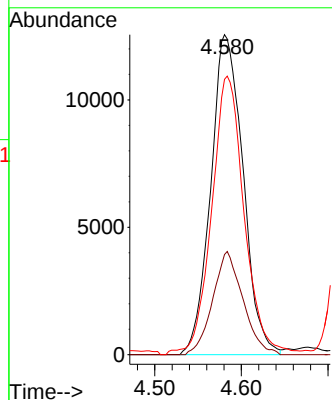
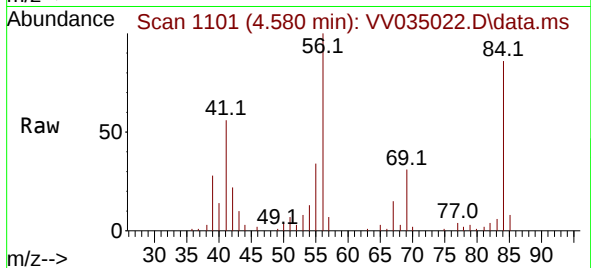
84 83.3 69.8 104.8

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#31

Carbon tetrachloride

Concen: 78.917 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VV035022.D

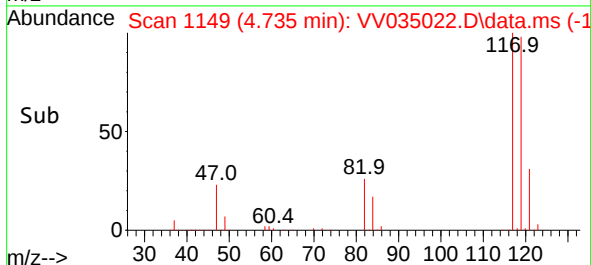
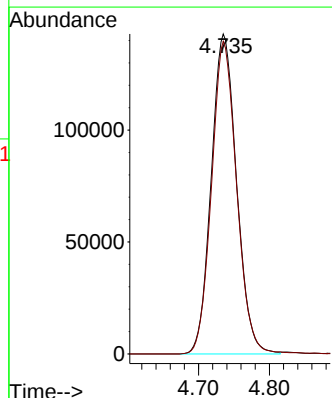
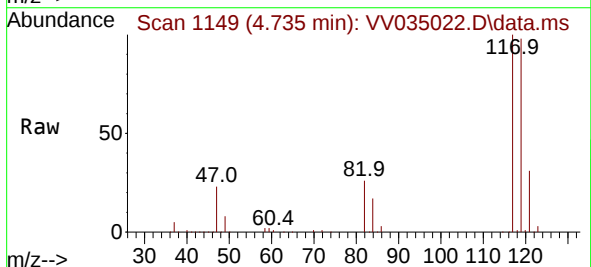
Acq: 05 Apr 2024 22:40

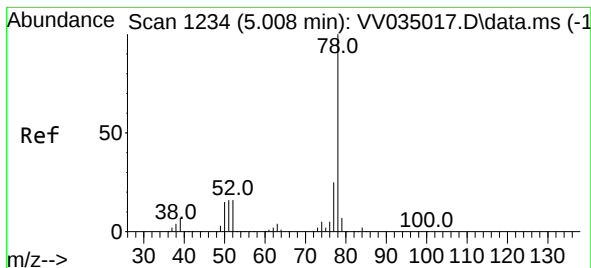
Tgt Ion:117 Resp: 355023

Ion Ratio Lower Upper

117 100

119 96.7 77.1 115.7





#33

Benzene

Concen: 2526.249 ug/L m

RT: 4.998 min Scan# 1

Delta R.T. -0.010 min

Lab File: VV035022.D

Acq: 05 Apr 2024 22:40

Instrument :

MSVOA_V

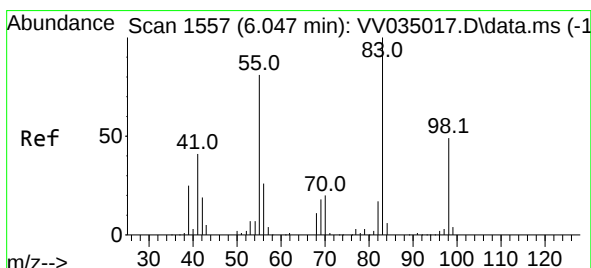
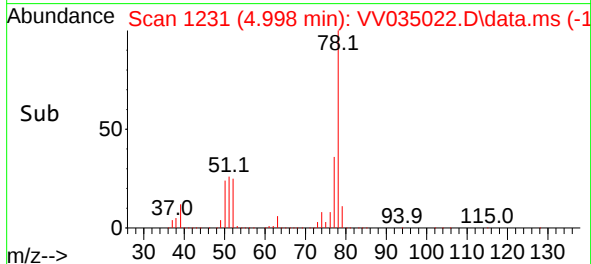
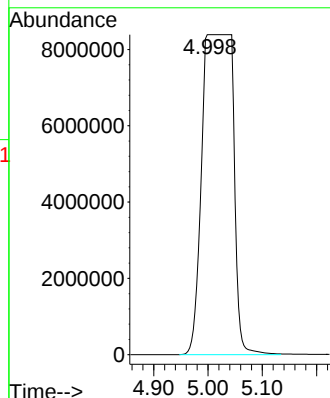
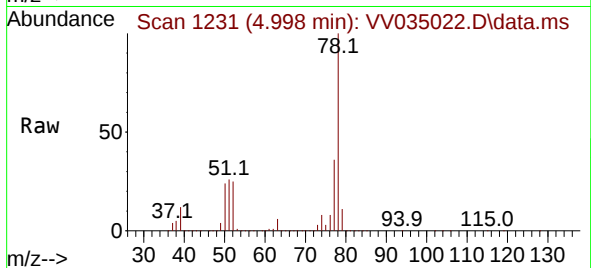
ClientSampleId :

MCORE9

Tgt Ion: 78 Resp:3354275

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Supervised By :Semsettin Yesilyurt 04/08/2024



#35

Methylcyclohexane

Concen: 2.836 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV035022.D

Acq: 05 Apr 2024 22:40

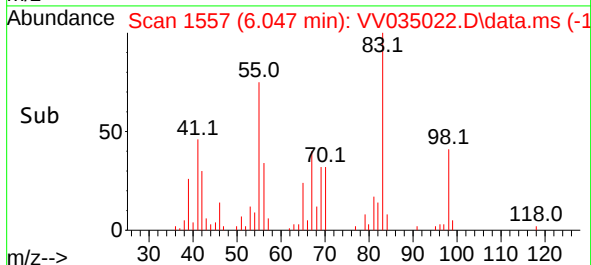
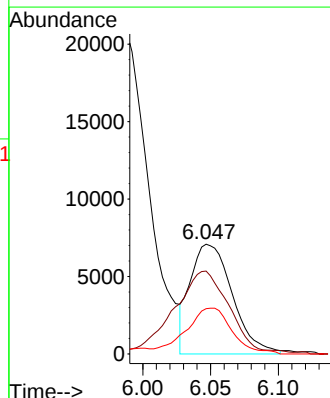
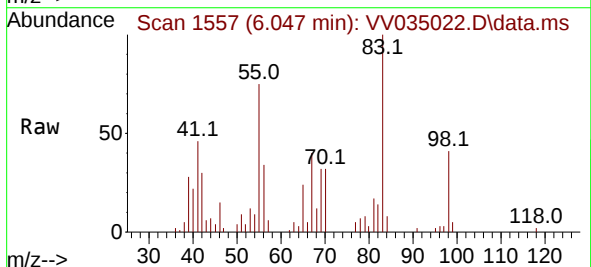
Tgt Ion: 83 Resp: 15349

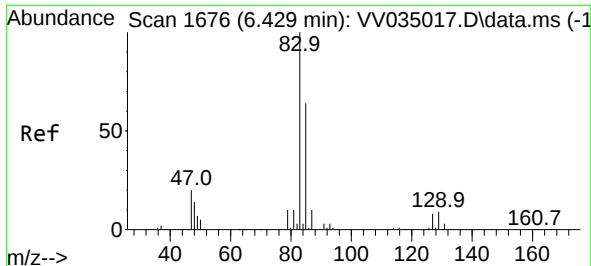
Ion Ratio Lower Upper

83 100

55 100.9 60.0 90.0#

98 45.4 37.6 56.4





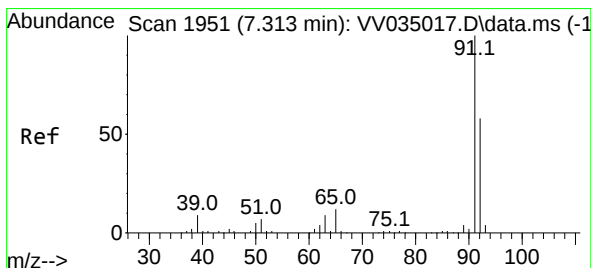
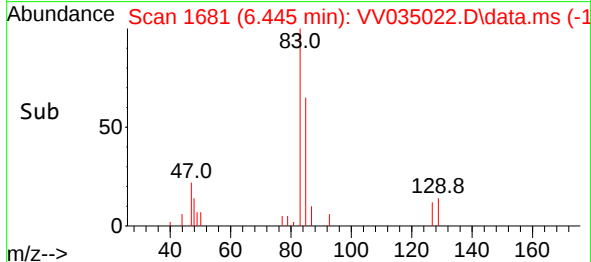
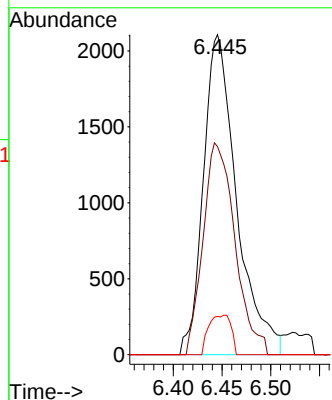
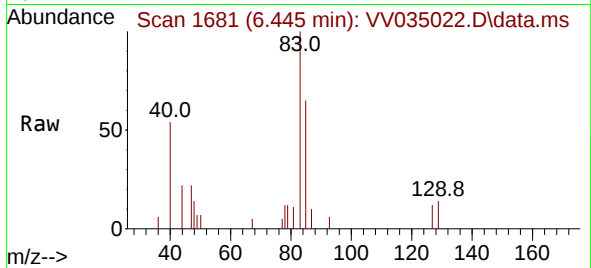
#38
Bromodichloromethane
Concen: 1.057 ug/L
RT: 6.445 min Scan# 1681
Delta R.T. 0.016 min
Lab File: VV035022.D
Acq: 05 Apr 2024 22:40

Instrument :
MSVOA_V
ClientSampleId :
MCORE9

Tgt Ion: 83 Resp: 500
Ion Ratio Lower Upper
83 100
85 65.1 43.7 81.1
127 12.0 6.4 9.6

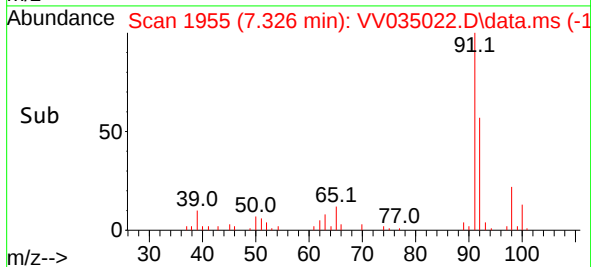
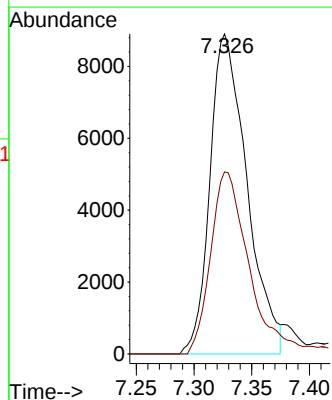
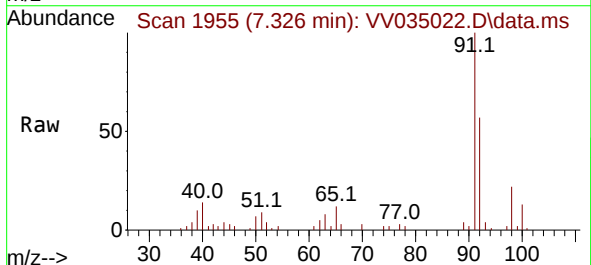
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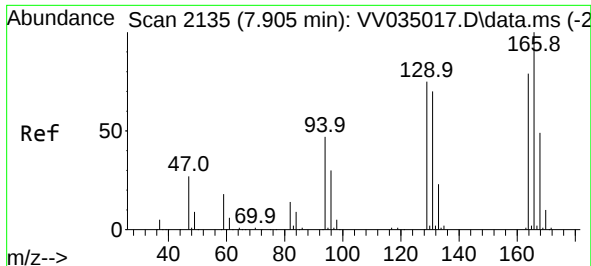
Reviewed By :Mahesh Dadoda 04/08/2024
Supervised By :Semsettin Yesilyurt 04/08/2024



#42
Toluene
Concen: 1.426 ug/L
RT: 7.326 min Scan# 1955
Delta R.T. 0.013 min
Lab File: VV035022.D
Acq: 05 Apr 2024 22:40

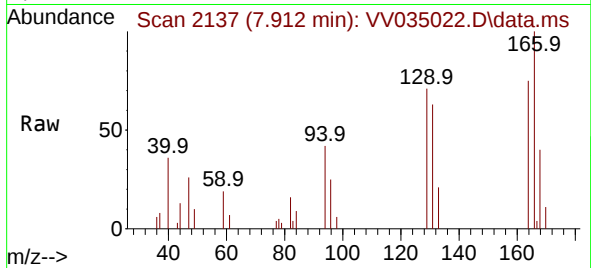
Tgt Ion: 91 Resp: 19820
Ion Ratio Lower Upper
91 100
92 56.9 40.3 74.8





#46
Tetrachloroethene
Concen: 1.789 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.006 min
Lab File: VV035022.D
Acq: 05 Apr 2024 22:40

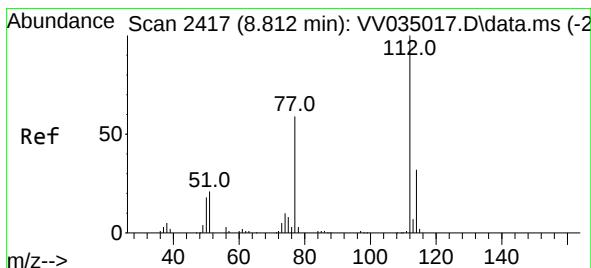
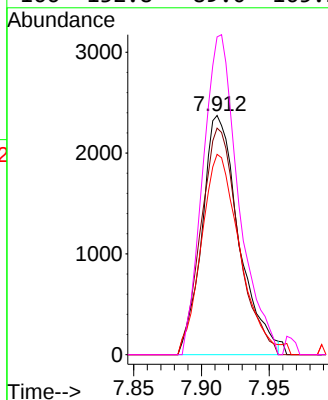
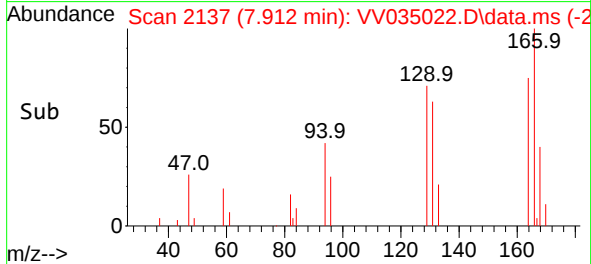
Instrument :
MSVOA_V
ClientSampleId :
MCORE9



Tgt Ion:164 Resp: 4479
Ion Ratio Lower Upper
164 100
129 94.7 68.6 127.4
131 83.7 65.7 122.1
166 132.8 89.0 165.2

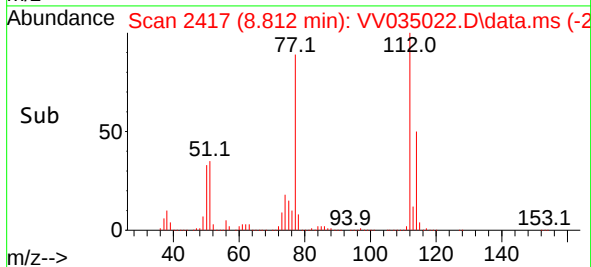
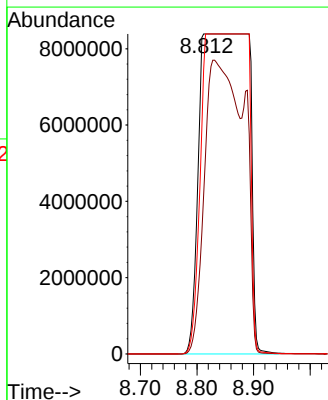
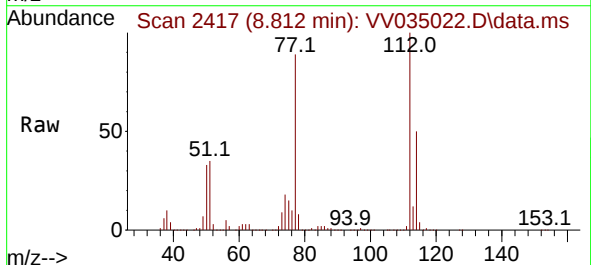
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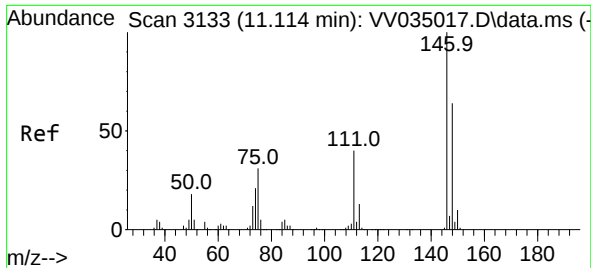
Reviewed By :Mahesh Dadoda 04/08/2024
Supervised By :Semsettin Yesilyurt 04/08/2024



#51
Chlorobenzene
Concen: 5555.813 ug/L m
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV035022.D
Acq: 05 Apr 2024 22:40

Tgt Ion:112 Resp:50054706
Ion Ratio Lower Upper
112 100
114 49.6 22.0 41.0#
77 88.8 47.4 71.2#





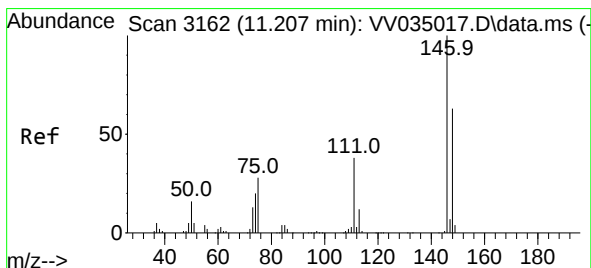
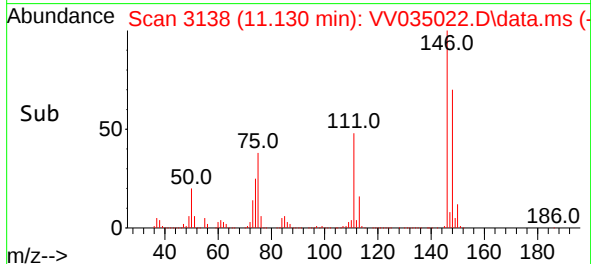
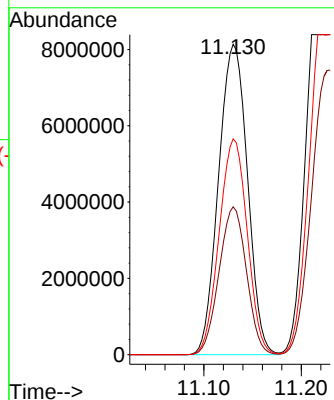
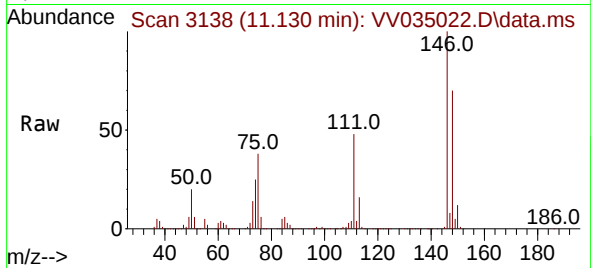
#64
1,3-Dichlorobenzene
Concen: 2080.225 ug/L
RT: 11.130 min Scan# 3138
Delta R.T. 0.016 min
Lab File: VV035022.D
Acq: 05 Apr 2024 22:40

Instrument :
MSVOA_V
ClientSampleId :
MCORE9

Tgt Ion:146 Resp:1679258
Ion Ratio Lower Upper
146 100
111 47.6 28.7 53.3
148 69.5 44.0 81.8

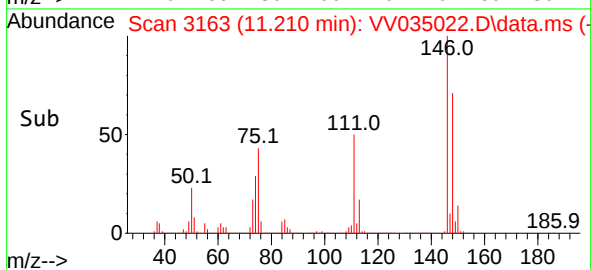
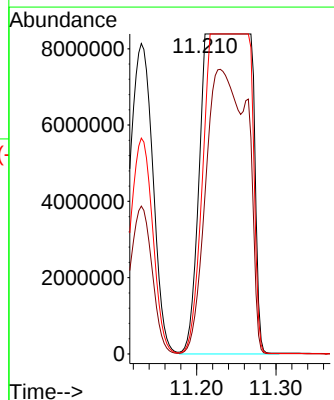
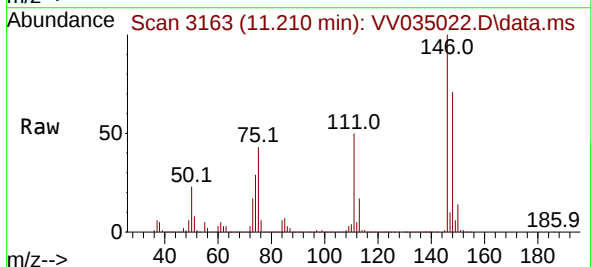
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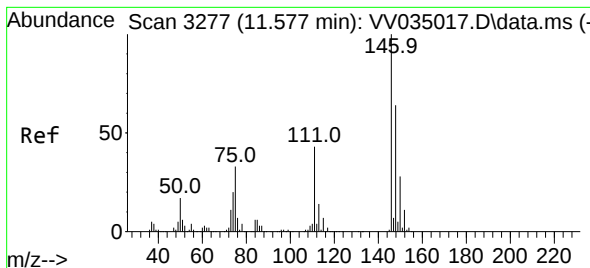
Reviewed By :Mahesh Dadoda 04/08/2024
Supervised By :Semsettin Yesilyurt 04/08/2024



#65
1,4-Dichlorobenzene
Concen: 4535.211 ug/L m
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV035022.D
Acq: 05 Apr 2024 22:40

Tgt Ion:146 Resp:37230186
Ion Ratio Lower Upper
146 100
111 49.7 27.4 50.8
148 71.1 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 4682.597 ug/L m

RT: 11.587 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV035022.D

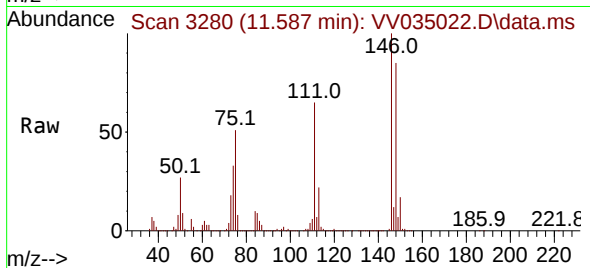
Acq: 05 Apr 2024 22:40

Instrument :

MSVOA_V

ClientSampleId :

MCORE9



Tgt Ion:146 Resp:3765576

Ion Ratio Lower Upper

146 100

111 64.9 34.6 52.0

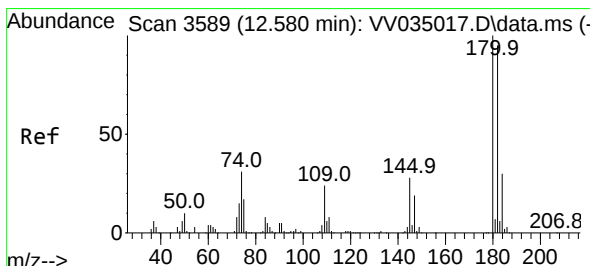
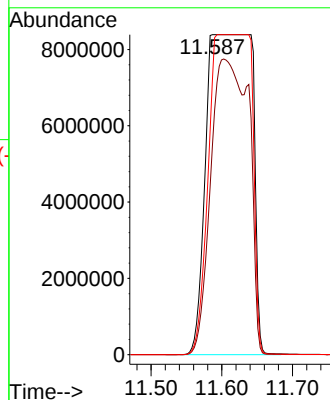
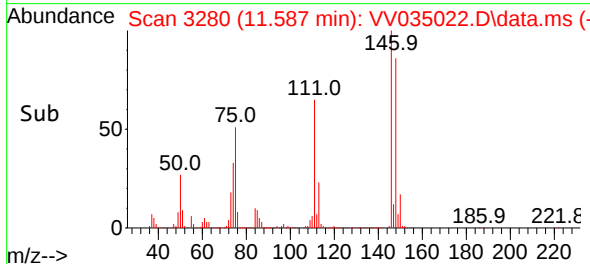
148 85.5 51.5 77.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2024

Supervised By :Semsettin Yesilyurt 04/08/2024



#69

1,3,5-Trichlorobenzene

Concen: 5.332 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. 0.007 min

Lab File: VV035022.D

Acq: 05 Apr 2024 22:40

Tgt Ion:180 Resp: 31023

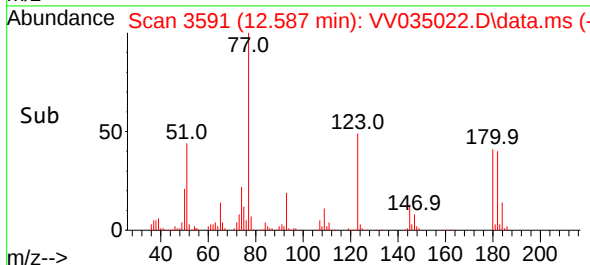
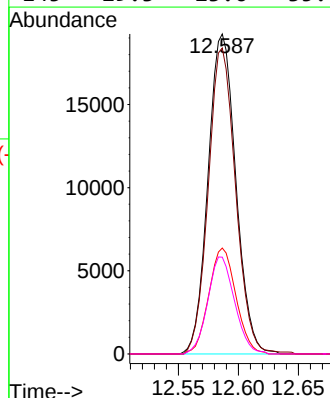
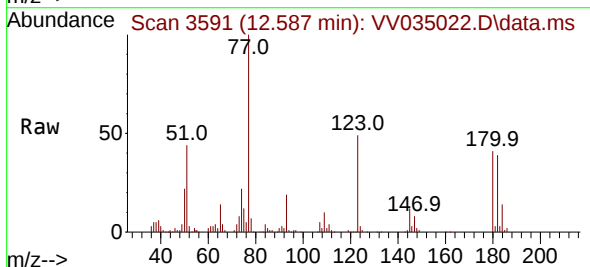
Ion Ratio Lower Upper

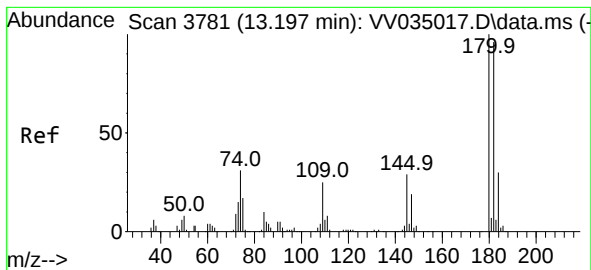
180 100

182 93.8 74.7 112.1

184 32.4 24.0 36.0

145 29.3 23.6 35.4





#70

1,2,4-trichlorobenzene

Concen: 3809.283 ug/L m

RT: 13.207 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV035022.D

Acq: 05 Apr 2024 22:40

Instrument :

MSVOA_V

ClientSampleId :

MCORE9

Tgt Ion:180 Resp:20357320

Ion Ratio Lower Upper

180 100

182 0.0 75.6 113.4

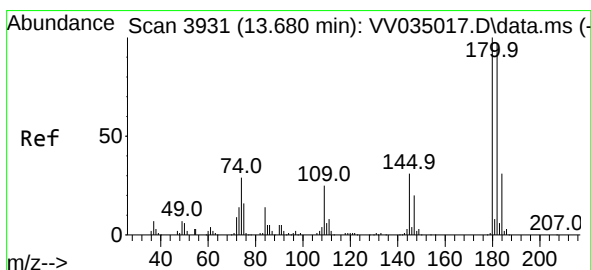
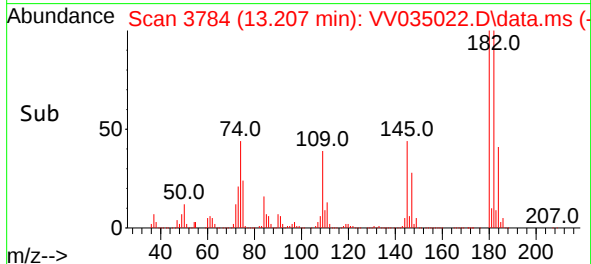
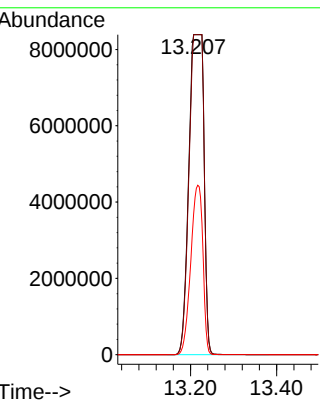
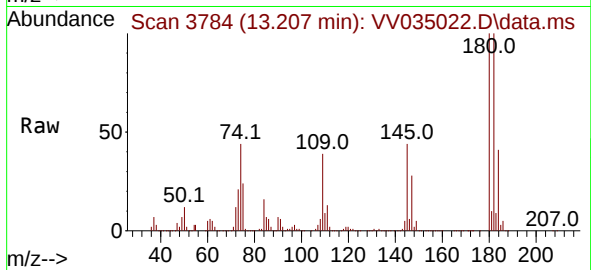
145 0.0 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2024

Supervised By :Semsettin Yesilyurt 04/08/2024



#72

1,2,3-Trichlorobenzene

Concen: 1358.897 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.007 min

Lab File: VV035022.D

Acq: 05 Apr 2024 22:40

Tgt Ion:180 Resp: 7158429

Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.2

145 32.9 25.8 38.6

