

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041824\
 Data File : VV035287.D
 Acq On : 18 Apr 2024 16:50
 Operator : SY/MD
 Sample : P2158-11
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MCORE1

Quant Time: Apr 19 01:43:49 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	323696	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.825	117	233838	50.000	ug/L	0.04
58) 1,4-Dichlorobenzene-d4	11.204	152	223258	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	142520	45.590	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.180%		
7) Chloroethane-d5	1.523	69	121097	44.599	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.200%		
11) 1,1-Dichloroethene-d2	2.056	65	62672	45.735	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.460%		
21) 2-Butanone-d5	3.789	46	206977	111.636	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	111.640%		
24) Chloroform-d	4.246	84	281408	53.540	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.080%		
26) 1,2-Dichloroethane-d4	4.941	65	181238	54.312	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	108.620%		
32) Benzene-d6	4.957	84	562544	71.619	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	143.240%#		
36) 1,2-Dichloropropane-d6	5.989	67	186396	74.730	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	149.460%#		
41) Toluene-d8	7.243	98	496515	70.190	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	140.380%#		
43) trans-1,3-Dichloroprop...	7.555	79	85327	70.368	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	140.740%#		
47) 2-Hexanone-d5	8.040	63	160403	170.092	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery =	170.090%#		
56) 1,1,2,2-Tetrachloroeth...	10.156	84	293217	85.367	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	170.740%#		
66) 1,2-Dichlorobenzene-d4	11.590	152	134438	26.820	ug/L	0.03
Spiked Amount 50.000	Range 80 - 120		Recovery =	53.640%#		
Target Compounds						
						Qvalue
13) Acetone	2.118	43	9850	5.787	ug/L	97
29) Cyclohexane	4.577	56	29331	10.015	ug/L	99
31) Carbon tetrachloride	4.732	117	35357	13.686	ug/L	98
33) Benzene	5.008	78	292952	38.419	ug/L	100
35) Methylcyclohexane	6.047	83	13924m	4.480	ug/L	
42) Toluene	7.326	91	26195	3.281	ug/L	100
46) Tetrachloroethene	7.911	164	6577	4.575	ug/L	95
51) Chlorobenzene	8.809	112	69295921m	13393.251	ug/L	
64) 1,3-Dichlorobenzene	11.127	146	18080628	2403.853	ug/L	89
65) 1,4-Dichlorobenzene	11.210	146	29526395m	3860.240	ug/L	
67) 1,2-Dichlorobenzene	11.580	146	59700822m	7967.777	ug/L	
69) 1,3,5-Trichlorobenzene	12.590	180	12805	2.362	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	25260513m	5073.017	ug/L	
72) 1,2,3-Trichlorobenzene	13.686	180	7127231	1452.082	ug/L	99

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

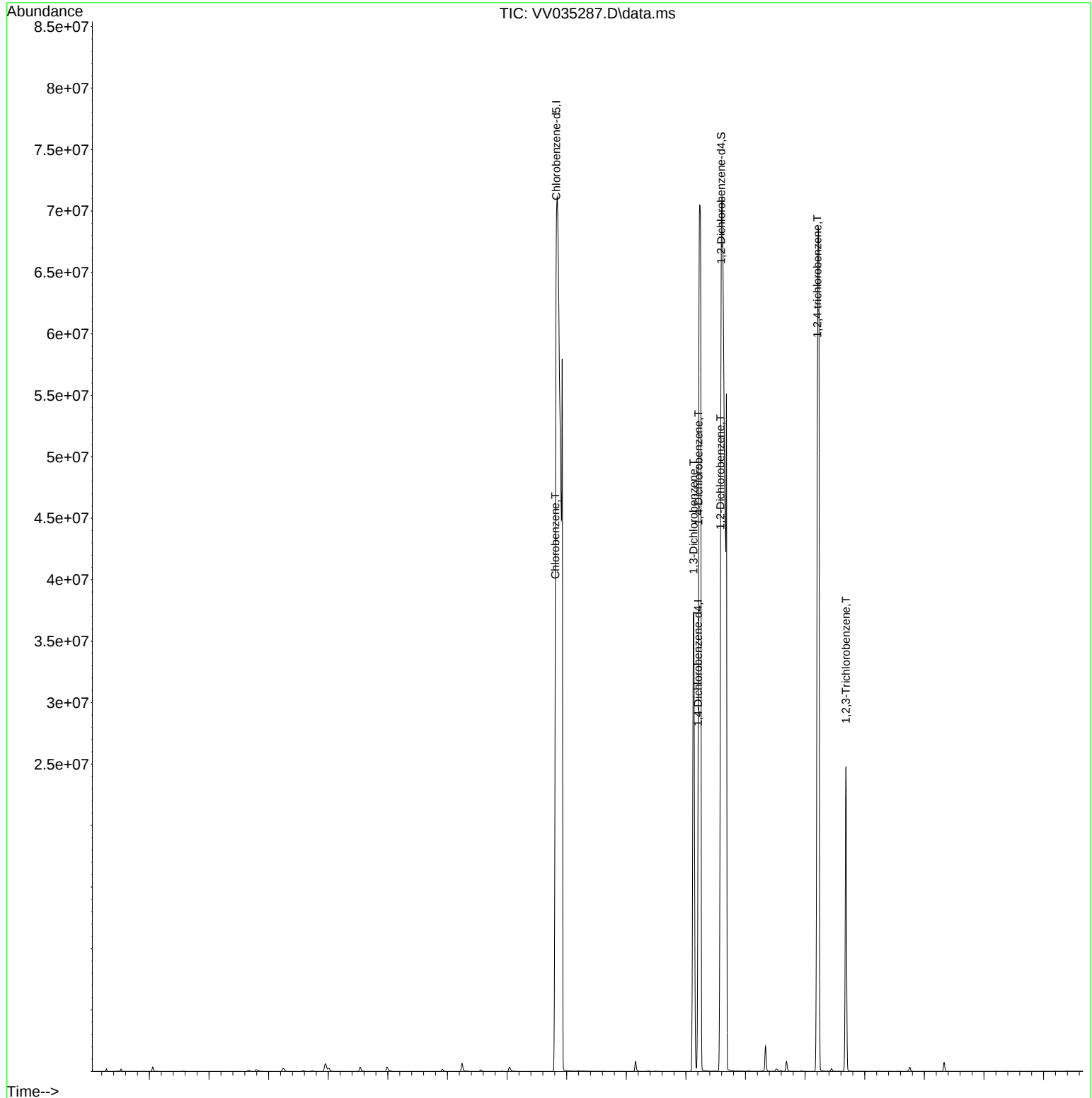
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041824\
Data File : VV035287.D
Acq On : 18 Apr 2024 16:50
Operator : SY/MD
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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

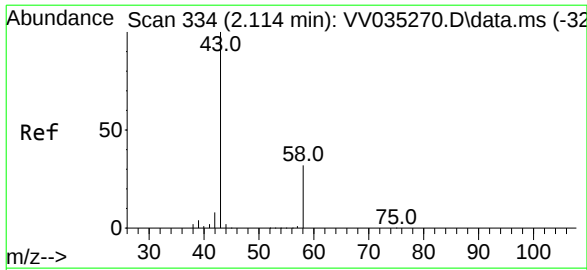
Instrument :
MSVOA_V
ClientSampleId :
MCORE1

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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





#13

Acetone

Concen: 5.787 ug/L

RT: 2.118 min Scan# 33

Delta R.T. 0.000 min

Lab File: VV035287.D

Acq: 18 Apr 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :

MCORE1

Tgt Ion: 43 Resp: 9850

Ion Ratio Lower Upper

43 100

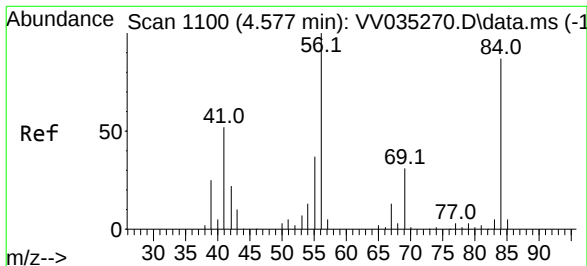
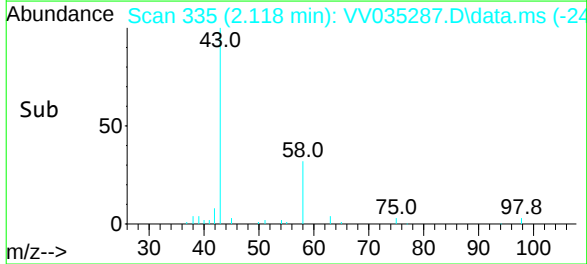
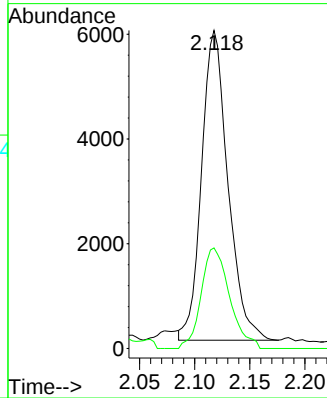
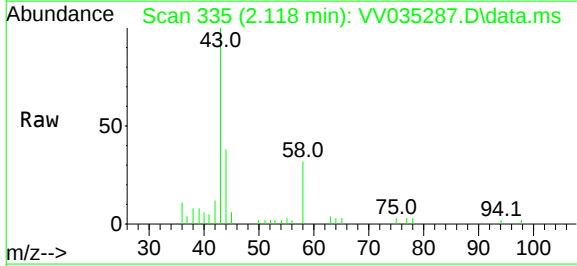
58 34.9 0.0 66.0

Manual Integrations

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#29

Cyclohexane

Concen: 10.015 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VV035287.D

Acq: 18 Apr 2024 16:50

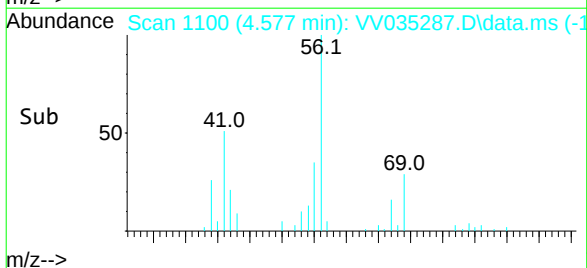
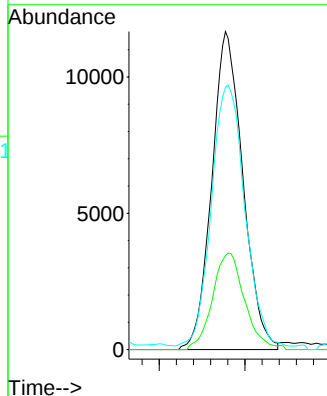
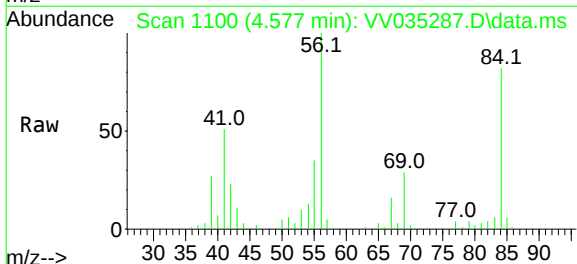
Tgt Ion: 56 Resp: 29331

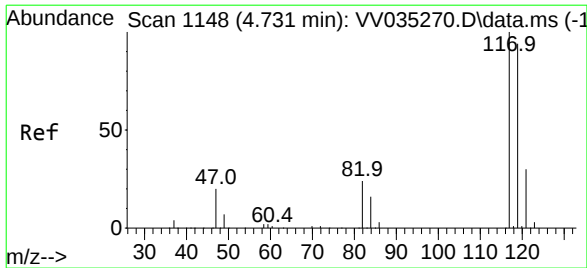
Ion Ratio Lower Upper

56 100

69 31.2 24.2 36.2

84 87.8 69.8 104.8





#31

Carbon tetrachloride

Concen: 13.686 ug/L

RT: 4.732 min Scan# 1148

Delta R.T. 0.000 min

Lab File: VV035287.D

Acq: 18 Apr 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :

MCORE1

Tgt Ion:117 Resp: 35357

Ion Ratio Lower Upper

117 100

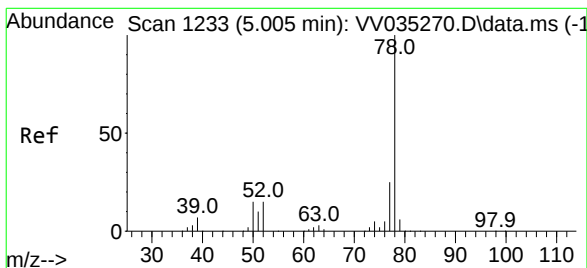
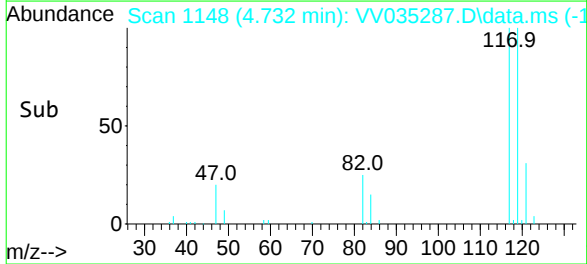
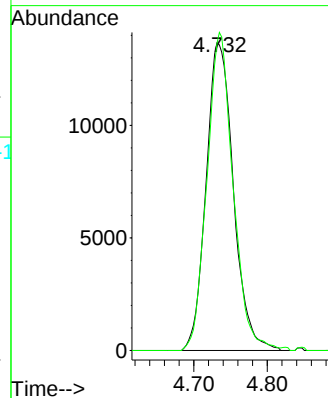
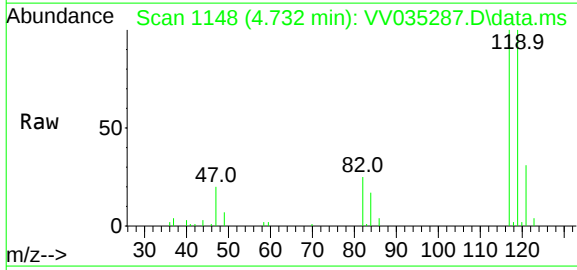
119 98.7 77.1 115.7

Manual Integrations

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#33

Benzene

Concen: 38.419 ug/L

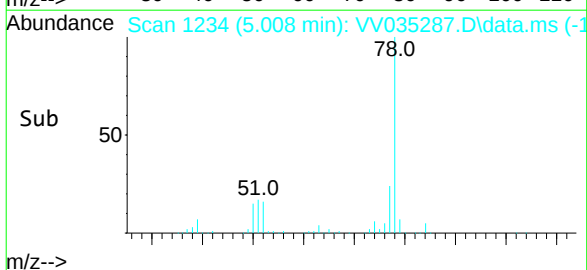
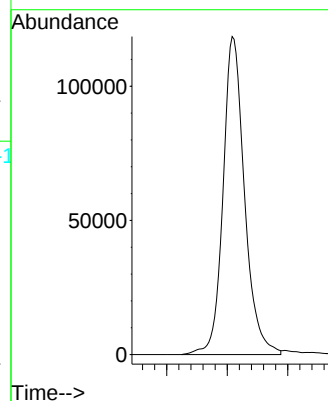
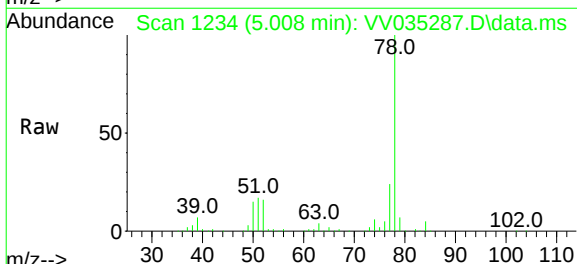
RT: 5.008 min Scan# 1234

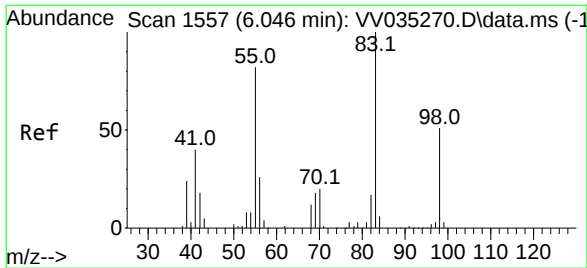
Delta R.T. 0.003 min

Lab File: VV035287.D

Acq: 18 Apr 2024 16:50

Tgt Ion: 78 Resp: 292952





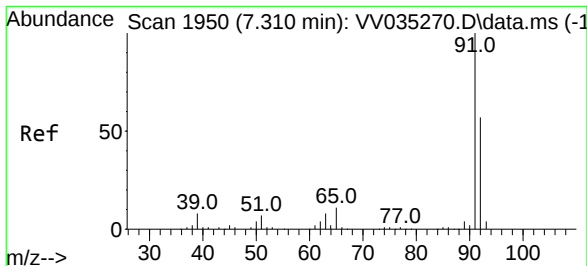
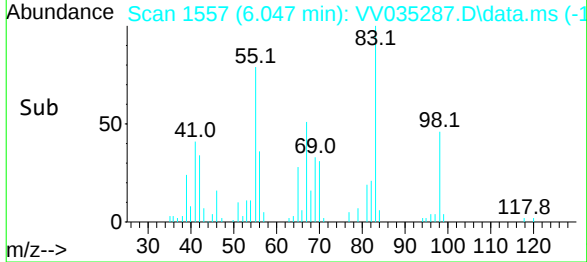
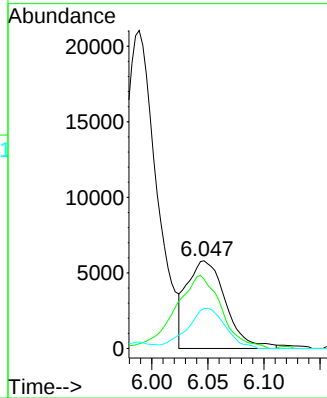
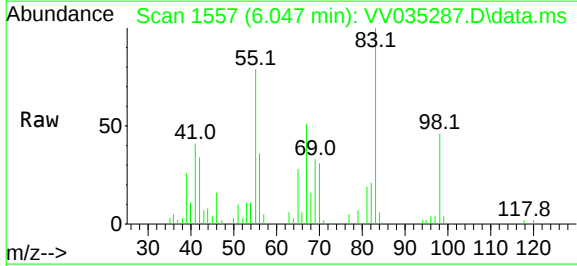
#35
Methylcyclohexane
Concen: 4.480 ug/L m
RT: 6.047 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VV035287.D
Acq: 18 Apr 2024 16:50

Instrument :
MSVOA_V
ClientSampleId :
MCORE1

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.4	60.0	90.0
98	4.9	37.6	56.4

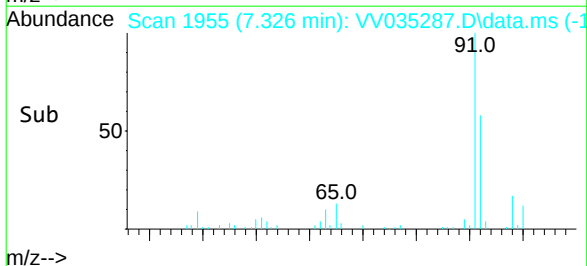
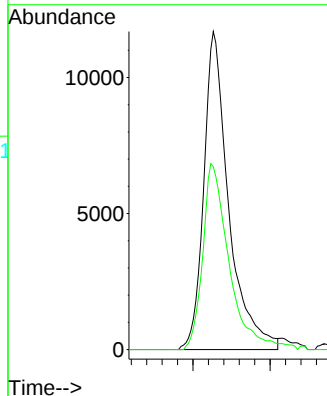
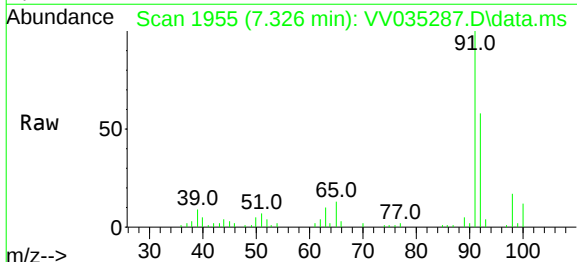
Manual Integrations
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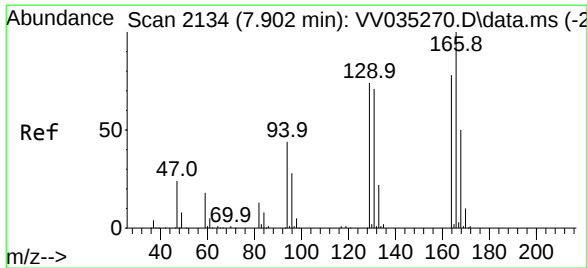
Reviewed By :Mahesh Dadoda 04/23/2024
Supervised By :Semsettin Yesilyurt 04/23/2024



#42
Toluene
Concen: 3.281 ug/L
RT: 7.326 min Scan# 1955
Delta R.T. 0.016 min
Lab File: VV035287.D
Acq: 18 Apr 2024 16:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.5	40.3	74.8





#46

Tetrachloroethene

Concen: 4.575 ug/L

RT: 7.911 min Scan# 2134

Delta R.T. 0.010 min

Lab File: VV035287.D

Acq: 18 Apr 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :

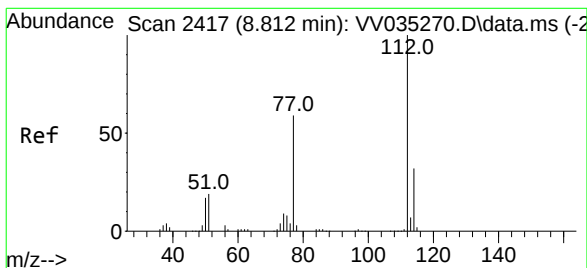
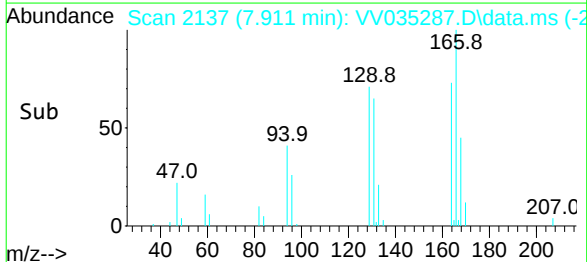
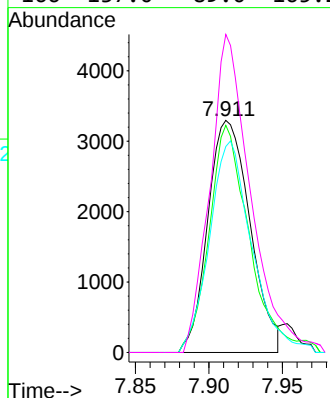
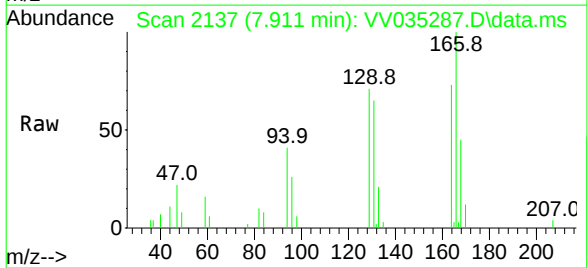
MCORE1

Tgt Ion:	164	Resp:	6577
Ion	Ratio	Lower	Upper
164	100		
129	97.9	68.6	127.4
131	88.7	65.7	122.1
166	137.0	89.0	165.2

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



#51

Chlorobenzene

Concen: 13393.251 ug/L m

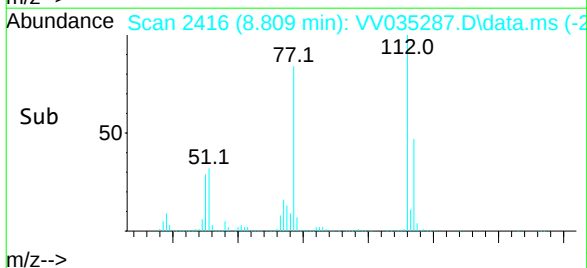
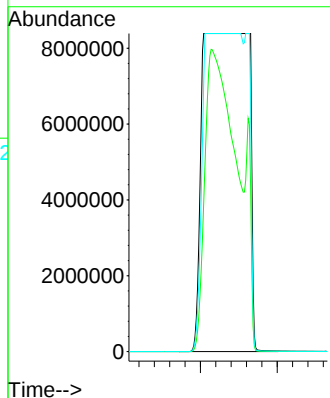
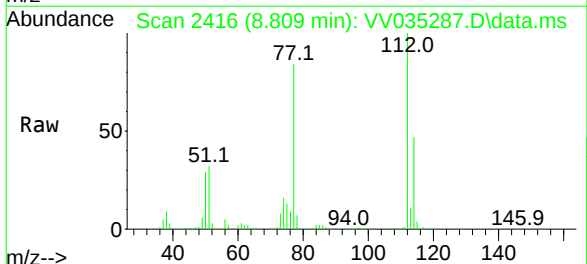
RT: 8.809 min Scan# 2416

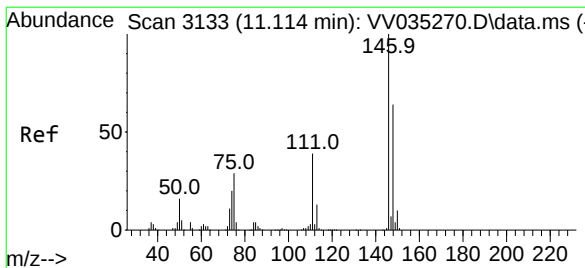
Delta R.T. -0.003 min

Lab File: VV035287.D

Acq: 18 Apr 2024 16:50

Tgt Ion:	112	Resp:	69295921
Ion	Ratio	Lower	Upper
112	100		
114	46.7	22.0	41.0#
77	84.2	47.4	71.2#





#64

1,3-Dichlorobenzene

Concen: 2403.853 ug/L

RT: 11.127 min Scan# 31

Delta R.T. 0.013 min

Lab File: VV035287.D

Acq: 18 Apr 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :

MCORE1

Tgt Ion:146 Resp:18080628

Ion Ratio Lower Upper

146 100

111 48.3 28.7 53.3

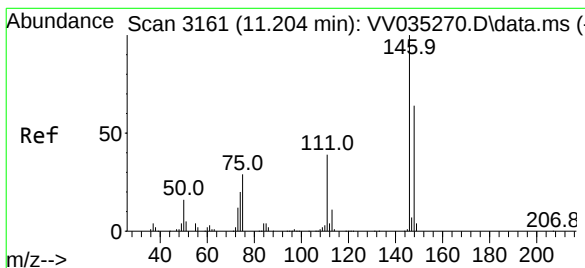
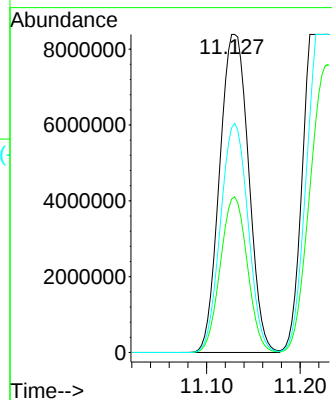
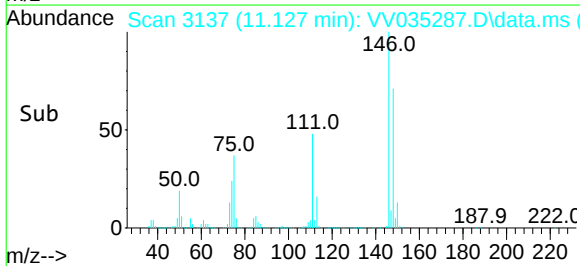
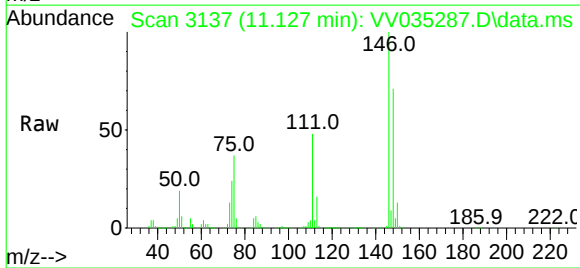
148 70.7 44.0 81.8

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#65

1,4-Dichlorobenzene

Concen: 3860.240 ug/L m

RT: 11.210 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VV035287.D

Acq: 18 Apr 2024 16:50

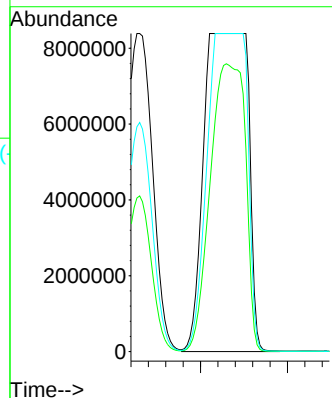
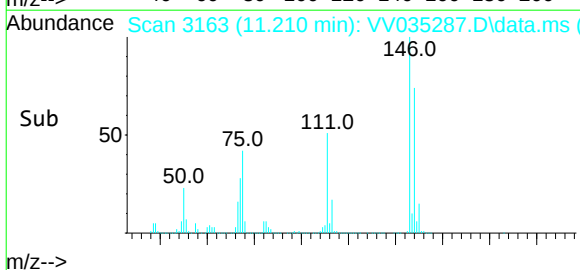
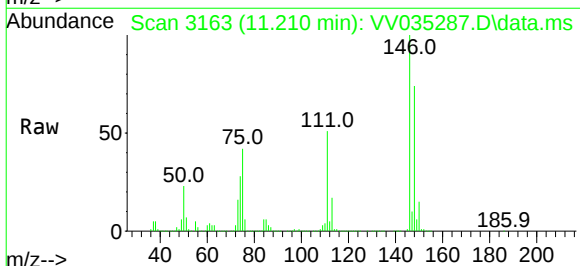
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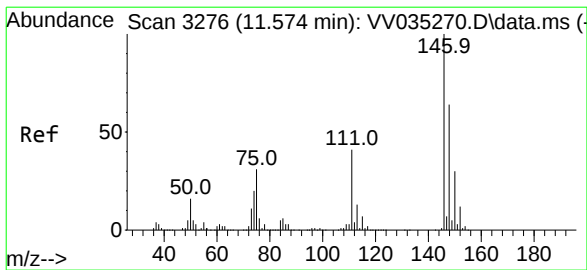
Ion Ratio Lower Upper

146 100

111 51.2 27.4 50.8#

148 74.1 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 7967.777 ug/L m

RT: 11.580 min Scan# 32

Delta R.T. 0.003 min

Lab File: VV035287.D

Acq: 18 Apr 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :

MCORE1

Tgt Ion:146 Resp:59700822

Ion Ratio Lower Upper

146 100

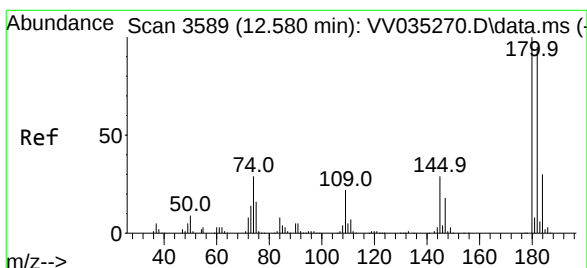
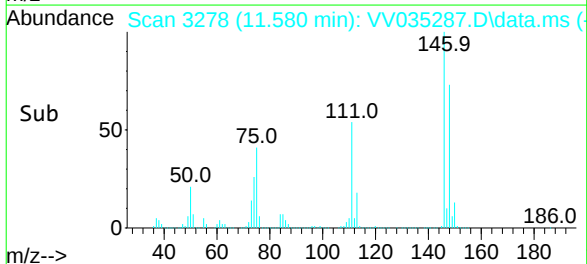
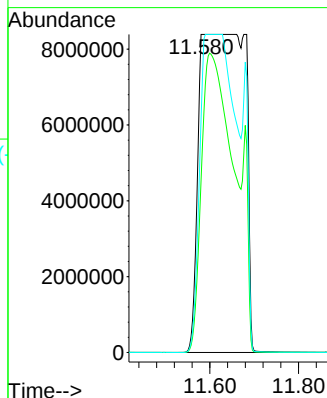
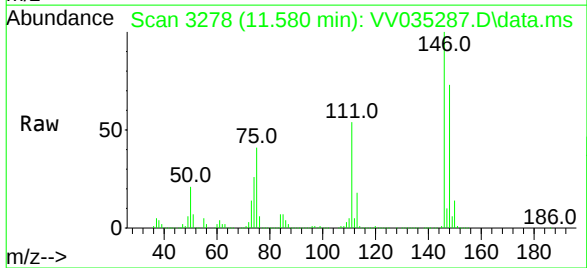
111 54.0 34.6 52.0

148 73.2 51.5 77.3

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#69

1,3,5-Trichlorobenzene

Concen: 2.362 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.010 min

Lab File: VV035287.D

Acq: 18 Apr 2024 16:50

Tgt Ion:180 Resp: 12805

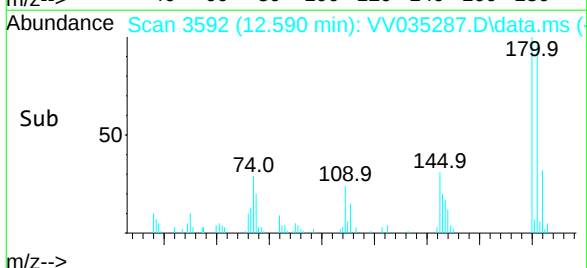
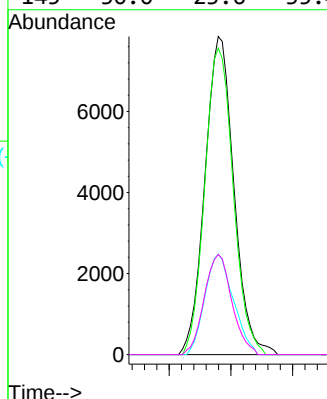
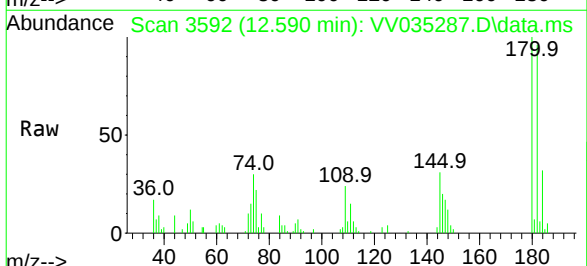
Ion Ratio Lower Upper

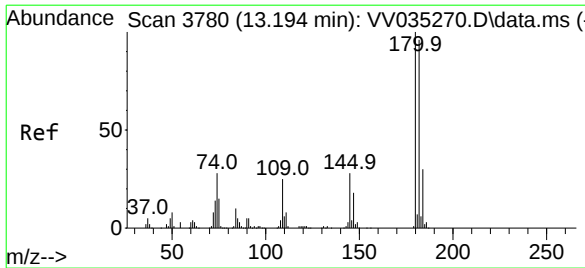
180 100

182 94.5 74.7 112.1

184 30.9 24.0 36.0

145 30.0 23.6 35.4





#70

1,2,4-trichlorobenzene

Concen: 5073.017 ug/L m

RT: 13.207 min Scan# 37

Delta R.T. 0.013 min

Lab File: VV035287.D

Acq: 18 Apr 2024 16:50

Instrument :

MSVOA_V

ClientSampleId :

MCORE1

Tgt Ion:180 Resp:25260513

Ion Ratio Lower Upper

180 100

182 0.0 75.6 113.4#

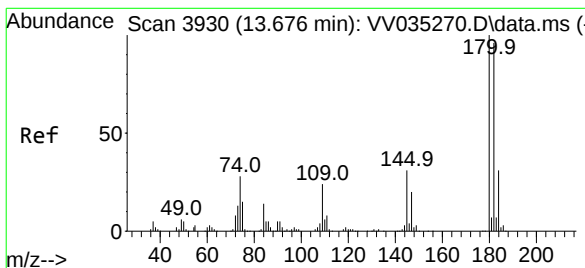
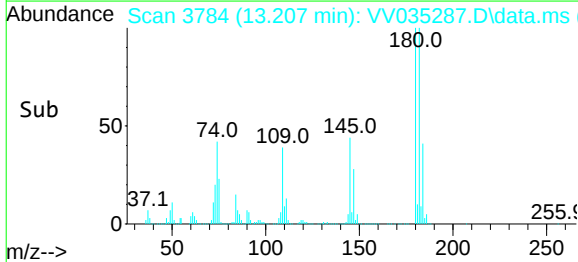
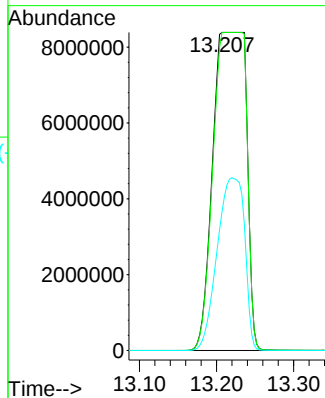
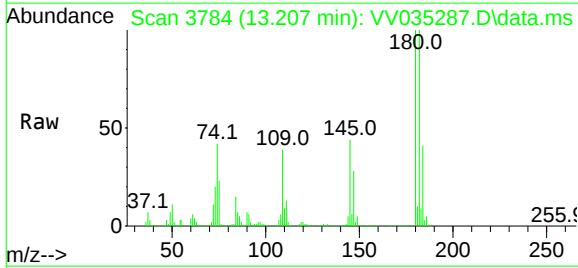
145 44.5 24.1 36.1#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/23/2024

Supervised By :Semsettin Yesilyurt 04/23/2024



#72

1,2,3-Trichlorobenzene

Concen: 1452.082 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.010 min

Lab File: VV035287.D

Acq: 18 Apr 2024 16:50

Tgt Ion:180 Resp: 7127231

Ion Ratio Lower Upper

180 100

182 96.5 76.2 114.2

145 32.8 25.8 38.6

