

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041824\
 Data File : VV035288.D
 Acq On : 18 Apr 2024 17:14
 Operator : SY/MD
 Sample : P2158-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MCORE2

Quant Time: Apr 19 01:43:57 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	361443	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	367158	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	219503	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	157125	45.013	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.020%		
7) Chloroethane-d5	1.526	69	134168	44.253	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.500%		
11) 1,1-Dichloroethene-d2	2.056	65	67984	44.430	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.860%		
21) 2-Butanone-d5	3.786	46	213077	102.924	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	102.920%		
24) Chloroform-d	4.246	84	287573	48.999	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.000%		
26) 1,2-Dichloroethane-d4	4.941	65	184517	49.520	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.040%		
32) Benzene-d6	4.960	84	586007	47.515	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.040%		
36) 1,2-Dichloropropane-d6	5.986	67	184360	47.075	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.140%		
41) Toluene-d8	7.243	98	498328	44.866	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.740%		
43) trans-1,3-Dichloroprop...	7.555	79	81560	42.838	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.680%		
47) 2-Hexanone-d5	8.024	63	150444	101.603	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.600%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	266011	49.324	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.640%		
66) 1,2-Dichlorobenzene-d4	11.564	152	239839	48.665	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.340%		
Target Compounds					Qvalue	
29) Cyclohexane	4.580	56	7445	1.619	ug/L	99
31) Carbon tetrachloride	4.735	117	58153	14.336	ug/L	98
33) Benzene	4.998	78	22337166m	1865.706	ug/L	
51) Chlorobenzene	8.809	112	25025009m	3080.454	ug/L	
64) 1,3-Dichlorobenzene	11.114	146	2015905	272.603	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	17873113m	2376.680	ug/L	
67) 1,2-Dichlorobenzene	11.580	146	16796107m	2279.985	ug/L	
69) 1,3,5-Trichlorobenzene	12.583	180	17027	3.195	ug/L	96
70) 1,2,4-trichlorobenzene	13.201	180	9057763	1850.170	ug/L	98
72) 1,2,3-Trichlorobenzene	13.677	180	2357273	488.480	ug/L	99

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

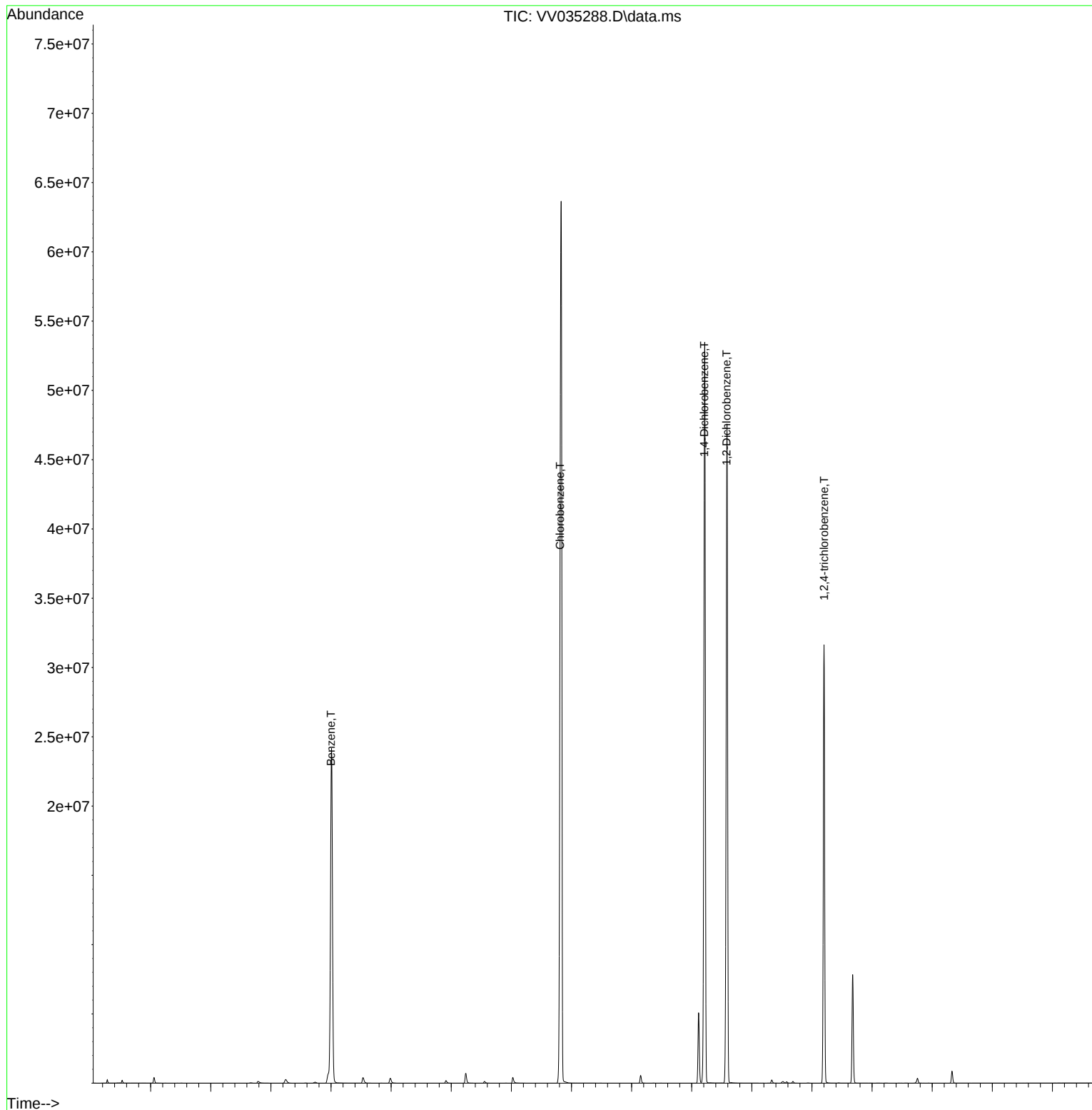
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041824\
Data File : VV035288.D
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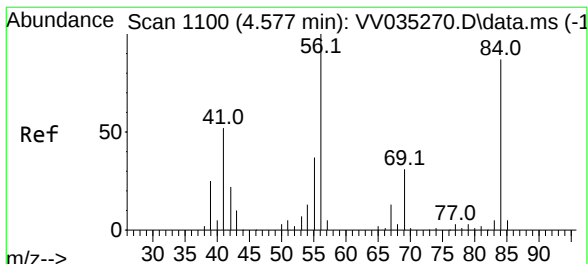
Instrument :
MSVOA_V
ClientSampleId :
MC0RE2

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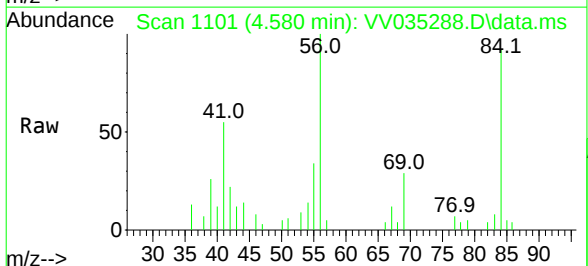
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Quant Title : VOC Analysis
QLast Update : Wed Apr 10 04:53:36 2024
Response via : Initial Calibration





#29
Cyclohexane
Concen: 1.619 ug/L
RT: 4.580 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VV035288.D
Acq: 18 Apr 2024 17:14

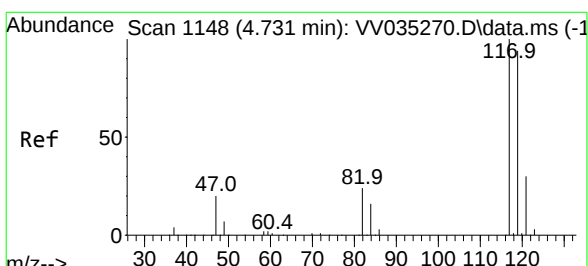
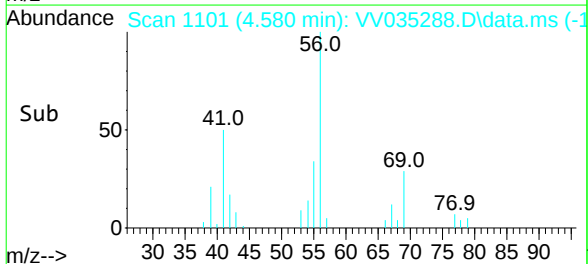
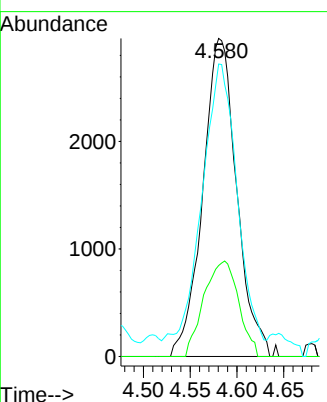
Instrument :
MSVOA_V
ClientSampleId :
MCORE2



Tgt Ion:	56	Resp:	7445
Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.2	36.2
84	86.0	69.8	104.8

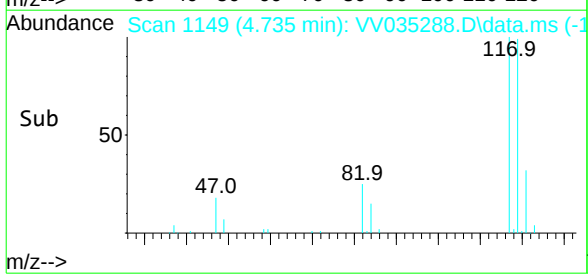
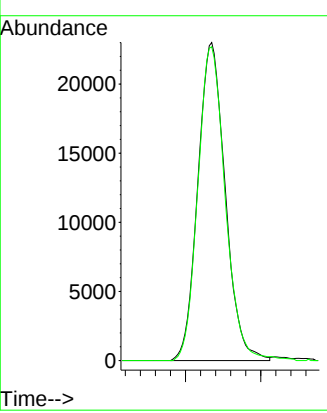
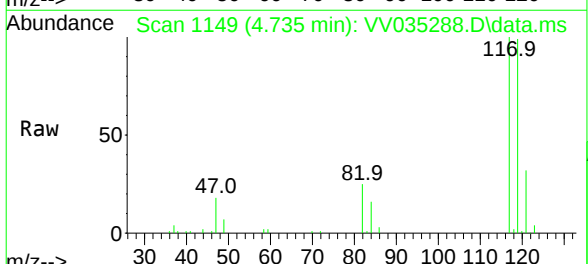
Manual Integrations
APPROVED

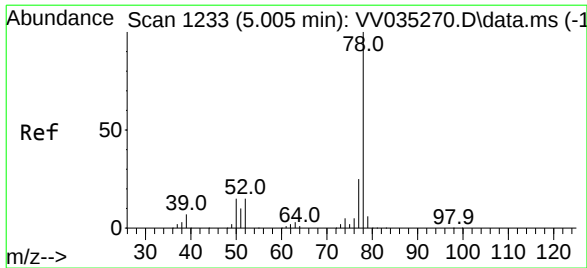
Reviewed By :Mahesh Dadoda 04/23/2024
Supervised By :Semsettin Yesilyurt 04/23/2024



#31
Carbon tetrachloride
Concen: 14.336 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV035288.D
Acq: 18 Apr 2024 17:14

Tgt Ion:	117	Resp:	58153
Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.1	115.7





#33

Benzene

Concen: 1865.706 ug/L m

RT: 4.998 min Scan# 12

Delta R.T. -0.006 min

Lab File: VV035288.D

Acq: 18 Apr 2024 17:14

Instrument :

MSVOA_V

ClientSampleId :

MCORE2

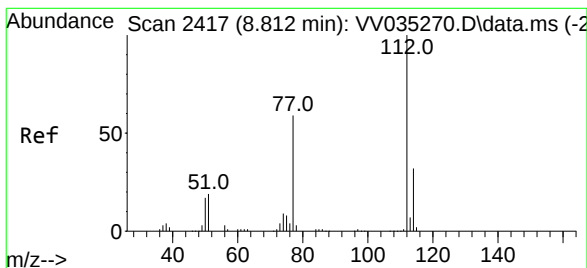
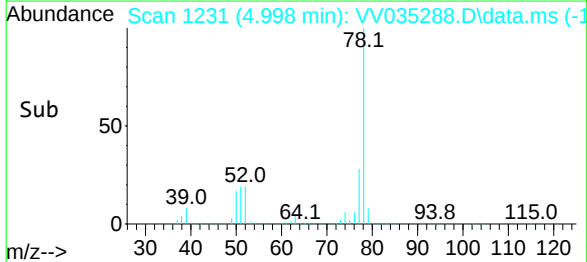
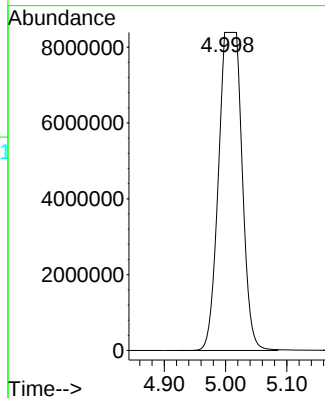
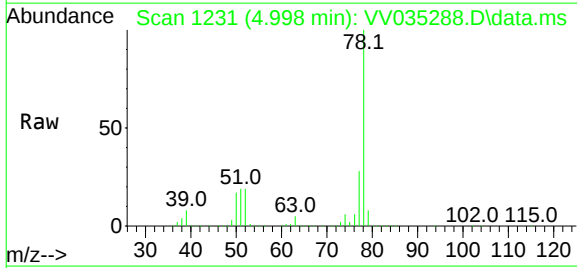
Tgt Ion: 78 Resp:22337166

Manual Integrations

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#51

Chlorobenzene

Concen: 3080.454 ug/L m

RT: 8.809 min Scan# 2416

Delta R.T. -0.003 min

Lab File: VV035288.D

Acq: 18 Apr 2024 17:14

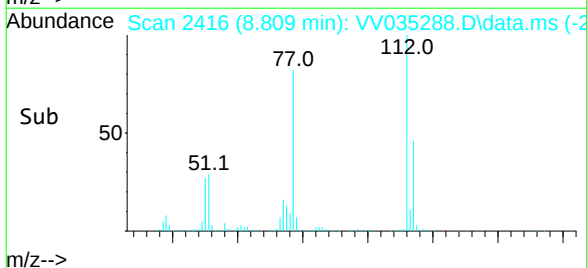
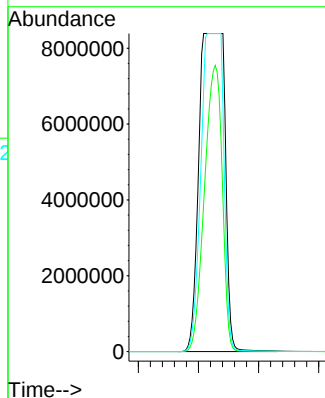
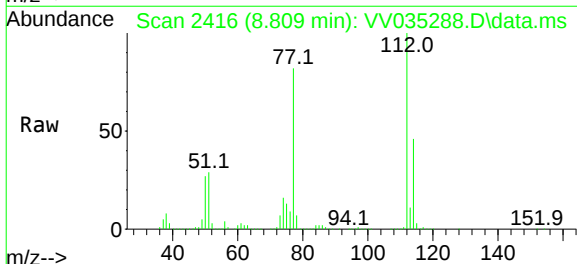
Tgt Ion:112 Resp:25025009

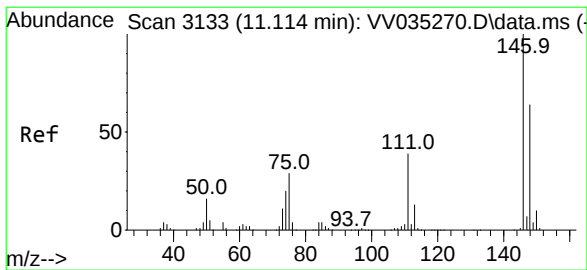
Ion Ratio Lower Upper

112 100

114 46.4 22.0 41.0#

77 82.1 47.4 71.2#





#64

1,3-Dichlorobenzene

Concen: 272.603 ug/L

RT: 11.114 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV035288.D

Acq: 18 Apr 2024 17:14

Instrument :

MSVOA_V

ClientSampleId :

MC0RE2

Tgt Ion:146 Resp: 2015905

Ion Ratio Lower Upper

146 100

111 40.2 28.7 53.3

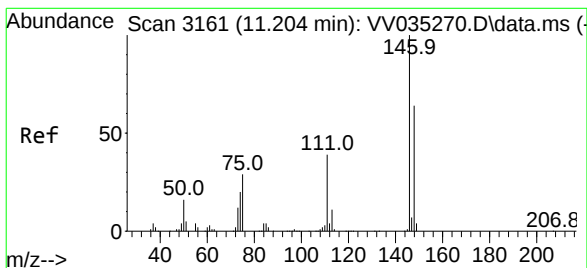
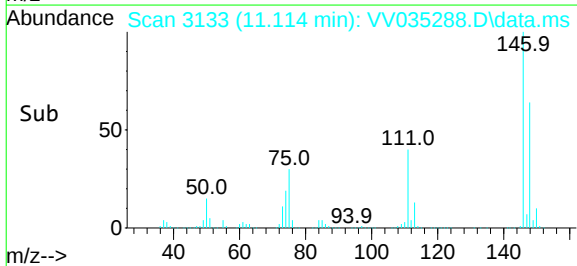
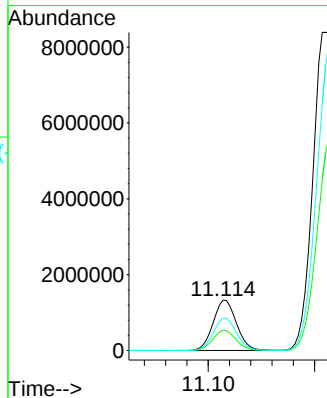
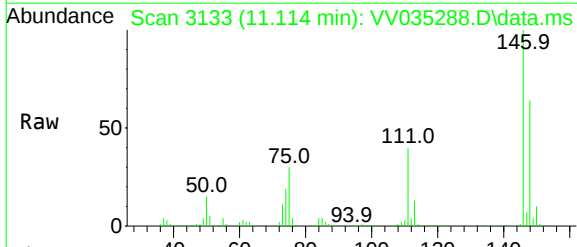
148 64.2 44.0 81.8

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#65

1,4-Dichlorobenzene

Concen: 2376.680 ug/L m

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV035288.D

Acq: 18 Apr 2024 17:14

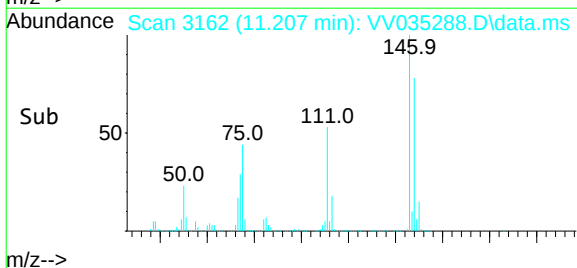
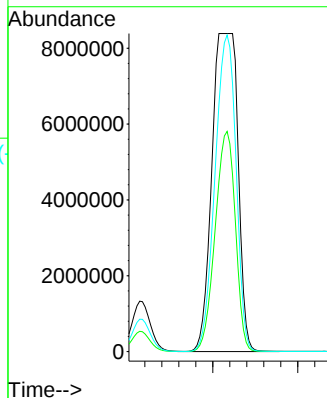
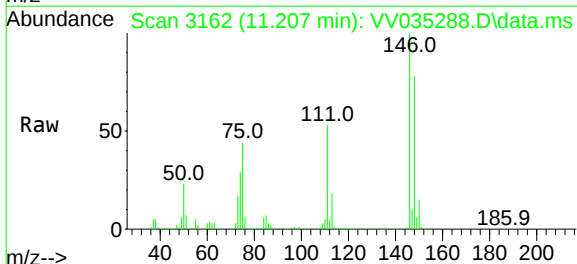
Tgt Ion:146 Resp:17873113

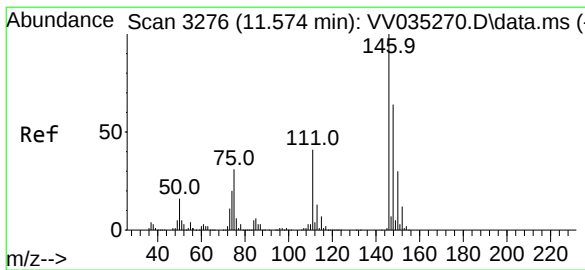
Ion Ratio Lower Upper

146 100

111 53.5 27.4 50.8#

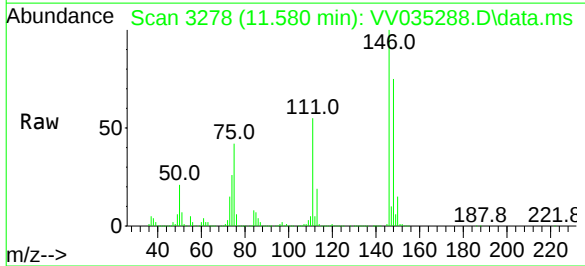
148 77.6 44.2 82.2





#67
1,2-Dichlorobenzene
Concen: 2279.985 ug/L m
RT: 11.580 min Scan# 3276
Delta R.T. 0.003 min
Lab File: VV035288.D
Acq: 18 Apr 2024 17:14

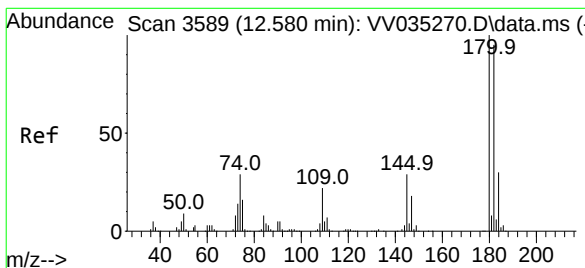
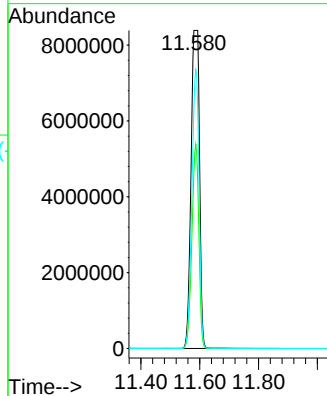
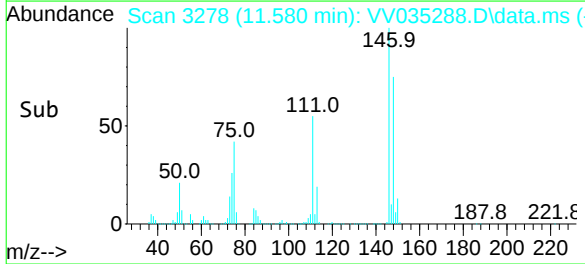
Instrument :
MSVOA_V
ClientSampleId :
MCORE2



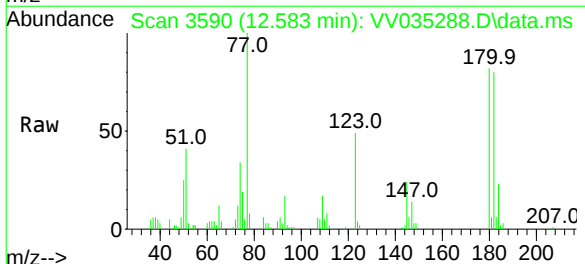
Tgt Ion:146 Resp:16796107
Ion Ratio Lower Upper
146 100
111 55.2 34.6 52.0#
148 75.4 51.5 77.3

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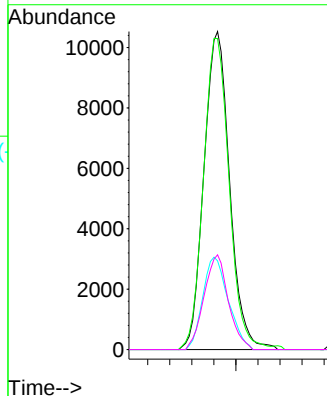
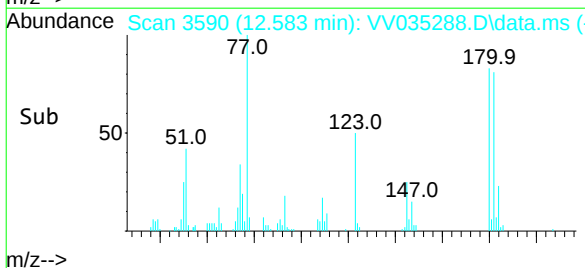
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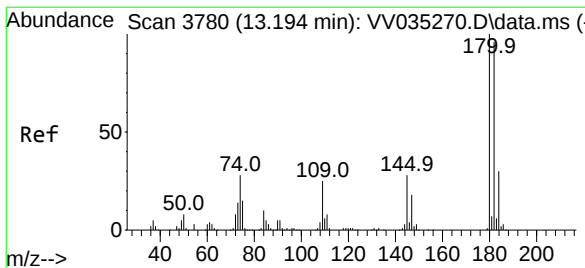


#69
1,3,5-Trichlorobenzene
Concen: 3.195 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VV035288.D
Acq: 18 Apr 2024 17:14



Tgt Ion:180 Resp: 17027
Ion Ratio Lower Upper
180 100
182 97.8 74.7 112.1
184 28.9 24.0 36.0
145 28.2 23.6 35.4





#70

1,2,4-trichlorobenzene

Concen: 1850.170 ug/L

RT: 13.201 min Scan# 3780

Delta R.T. 0.006 min

Lab File: VV035288.D

Acq: 18 Apr 2024 17:14

Instrument :

MSVOA_V

ClientSampleId :

MC0RE2

Tgt Ion:180 Resp: 9057763

Ion Ratio Lower Upper

180 100

182 96.3 75.6 113.4

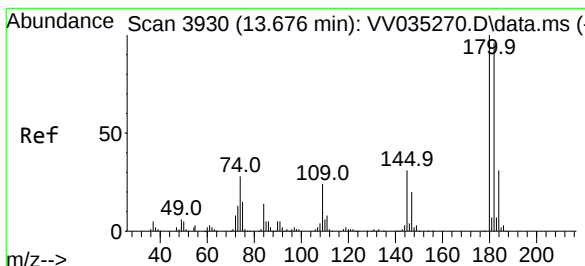
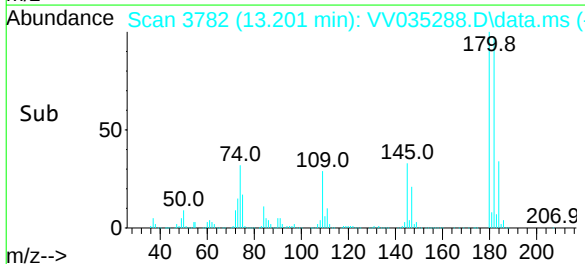
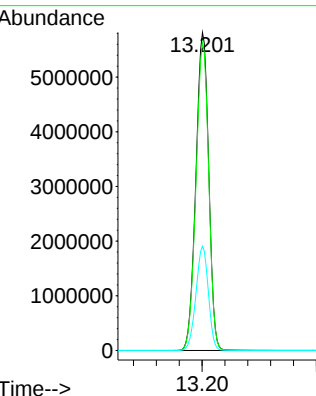
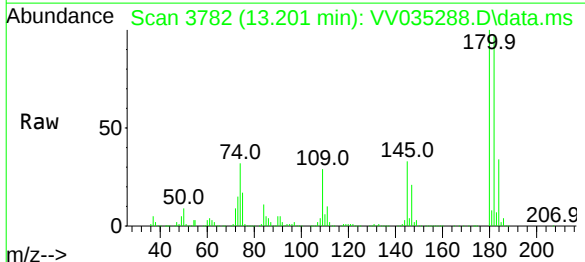
145 31.7 24.1 36.1

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#72

1,2,3-Trichlorobenzene

Concen: 488.480 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV035288.D

Acq: 18 Apr 2024 17:14

Tgt Ion:180 Resp: 2357273

Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.2

145 31.5 25.8 38.6

