

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121724\
 Data File : VL041778.D
 Acq On : 17 Dec 2024 14:44
 Operator : SY/MD
 Sample : MDL 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.03

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 21 03:04:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	56079	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	142681	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	120727	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	100211	9.961	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	237	0.060	ppbv #	43
32) 1,1,1-Trichloroethane	3.373	97	357m	0.030	ppbv	
35) Carbon Tetrachloride	3.771	117	414m	0.041	ppbv	
38) Trichloroethene	4.564	130	80m	0.013	ppbv	
52) Tetrachloroethene	8.228	164	219m	0.040	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.975	83	320m	0.029	ppbv	

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

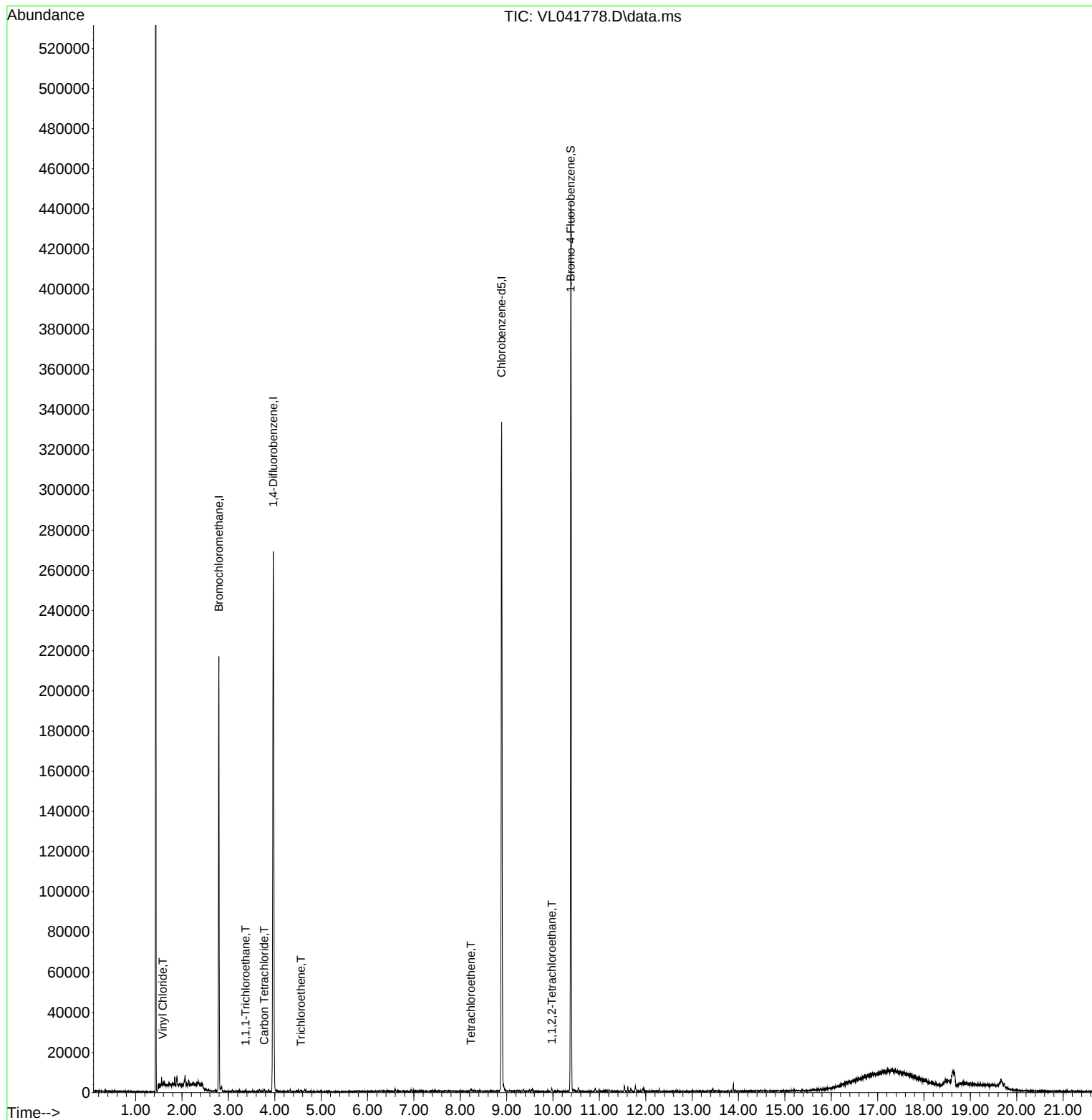
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121724\
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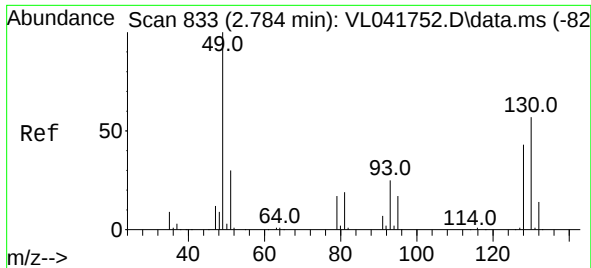
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

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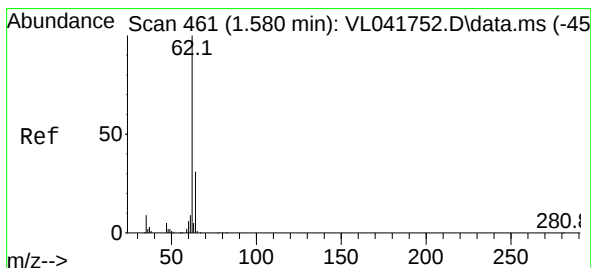
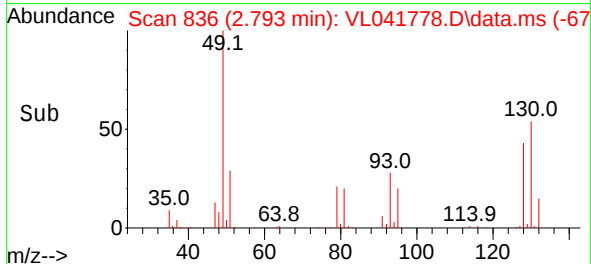
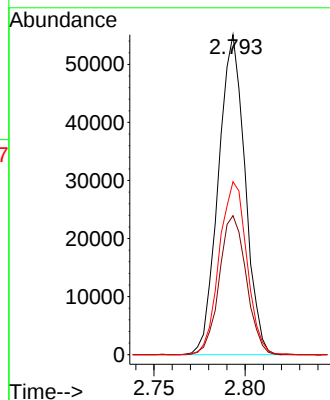
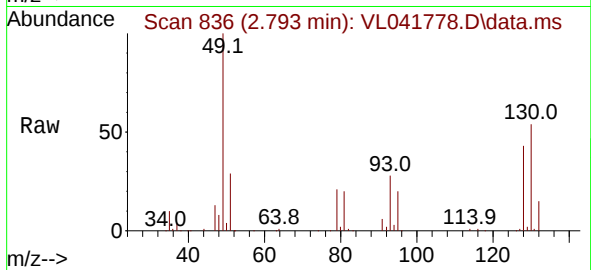
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 833
Delta R.T. 0.009 min
Lab File: VL041778.D
Acq: 17 Dec 2024 14:44

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

Tgt Ion: 49 Resp: 56079
Ion Ratio Lower Upper
49 100
128 44.0 21.6 64.6
130 55.9 28.3 85.0

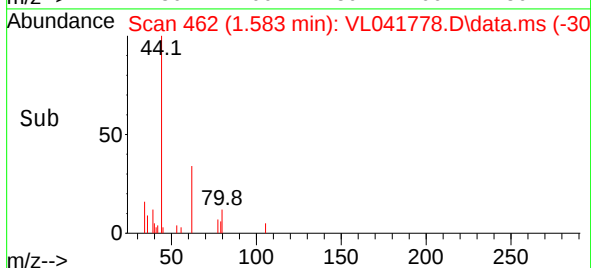
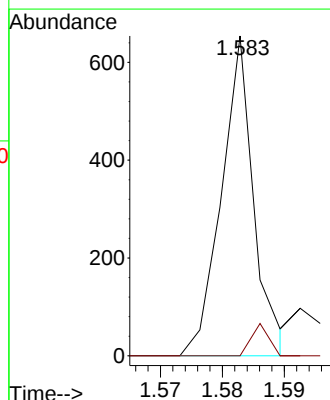
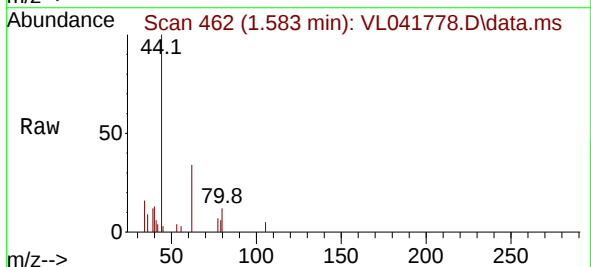
Manual Integrations
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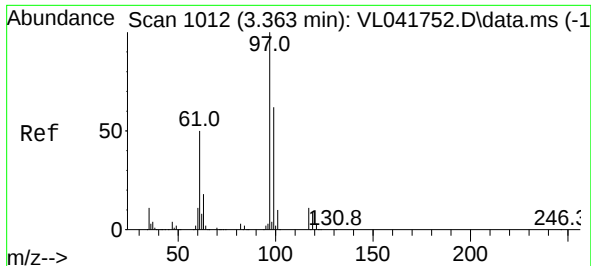
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#5
Vinyl Chloride
Concen: 0.060 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL041778.D
Acq: 17 Dec 2024 14:44

Tgt Ion: 62 Resp: 237
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#





#32

1,1,1-Trichloroethane

Concen: 0.030 ppbv m

RT: 3.373 min Scan# 1012

Delta R.T. 0.009 min

Lab File: VL041778.D

Acq: 17 Dec 2024 14:44

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03

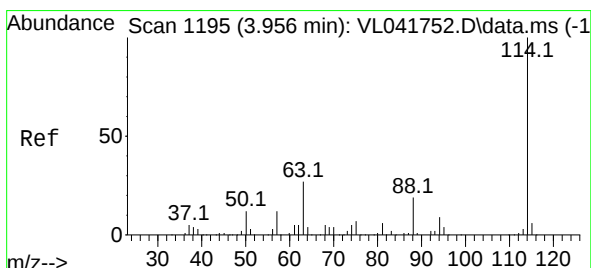
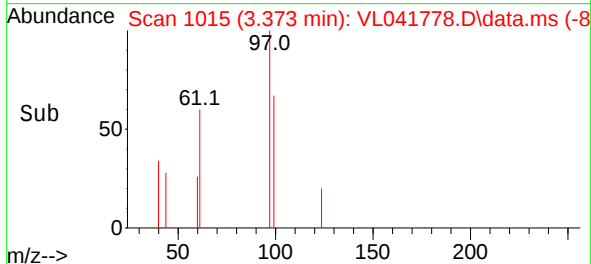
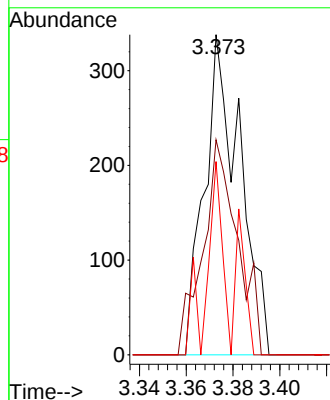
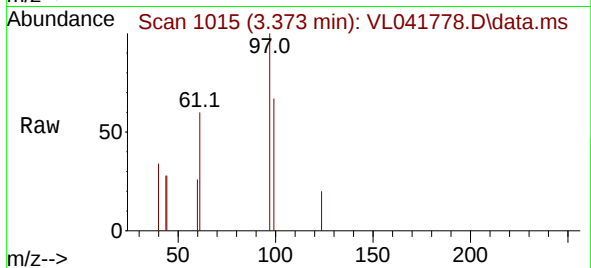
Tgt Ion: 97 Resp: 35

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.0	76.4
61	39.2	42.2	63.2

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

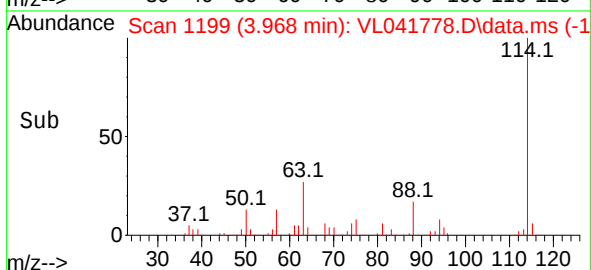
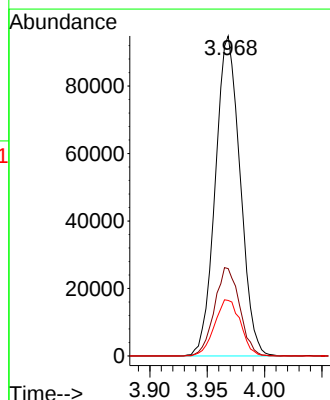
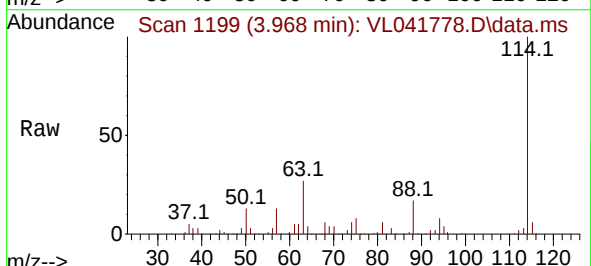
Delta R.T. 0.013 min

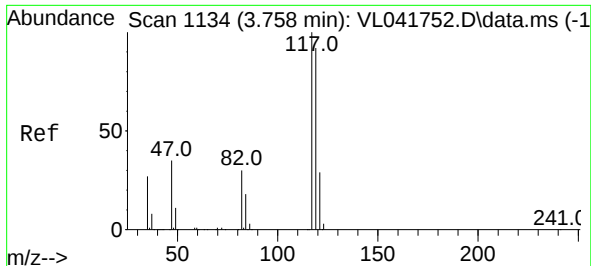
Lab File: VL041778.D

Acq: 17 Dec 2024 14:44

Tgt Ion:114 Resp: 142681

Ion	Ratio	Lower	Upper
114	100		
63	28.0	21.8	32.8
88	18.3	14.8	22.2





#35

Carbon Tetrachloride

Concen: 0.041 ppbv m

RT: 3.771 min Scan# 1134

Delta R.T. 0.013 min

Lab File: VL041778.D

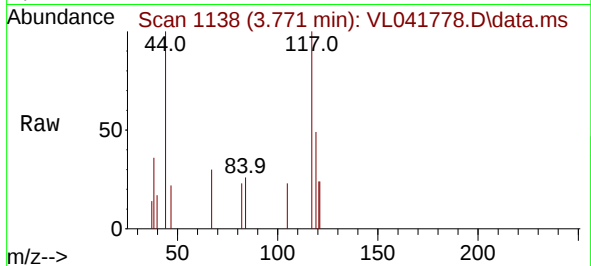
Acq: 17 Dec 2024 14:44

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03



Tgt Ion:117 Resp: 414

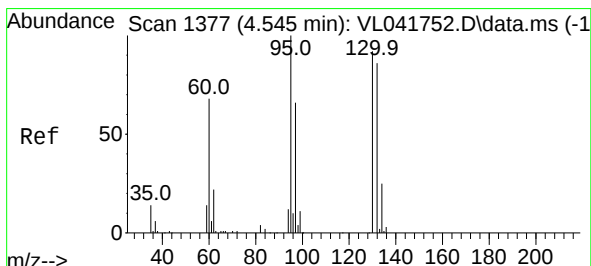
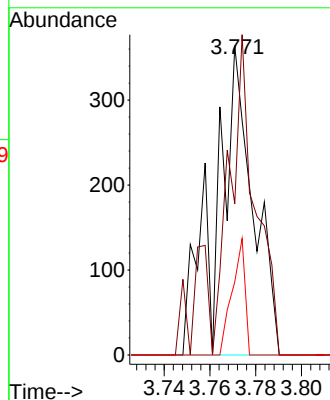
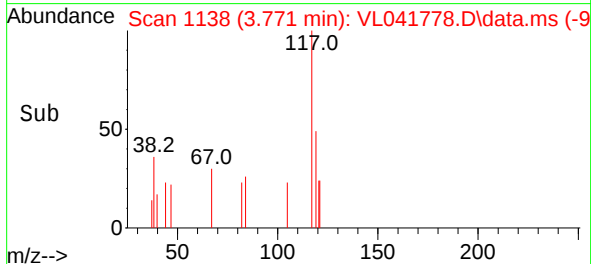
Ion	Ratio	Lower	Upper
117	100		
119	48.9	73.7	110.5#
121	23.6	23.0	34.4

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#38

Trichloroethene

Concen: 0.013 ppbv m

RT: 4.564 min Scan# 1383

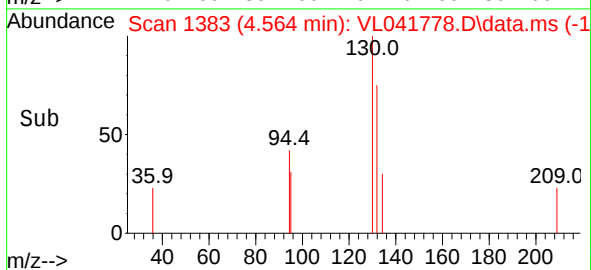
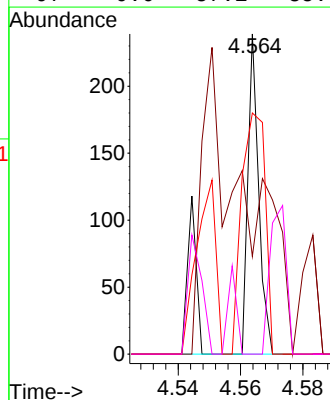
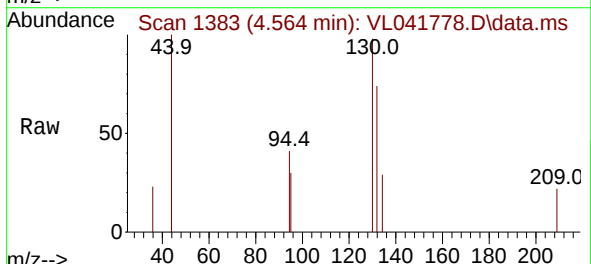
Delta R.T. 0.019 min

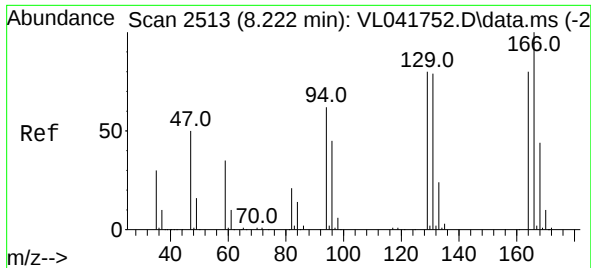
Lab File: VL041778.D

Acq: 17 Dec 2024 14:44

Tgt Ion:130 Resp: 80

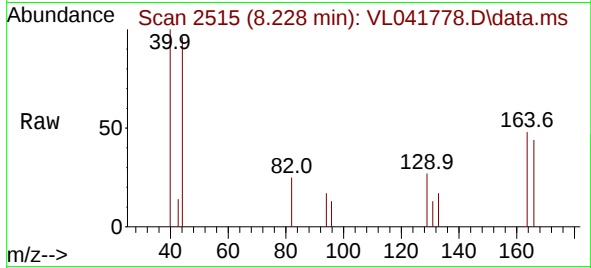
Ion	Ratio	Lower	Upper
130	100		
95	30.5	87.0	130.6#
132	75.3	75.0	112.6
97	0.0	57.2	85.8#





#52
Tetrachloroethene
Concen: 0.040 ppbv m
RT: 8.228 min Scan# 219
Delta R.T. 0.006 min
Lab File: VL041778.D
Acq: 17 Dec 2024 14:44

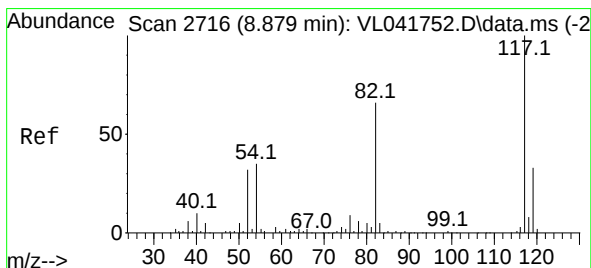
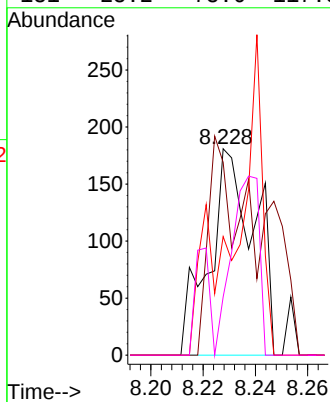
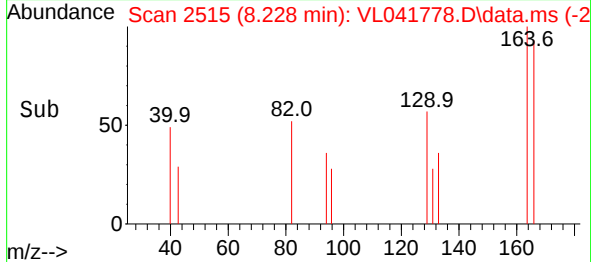
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03



Tgt Ion:164 Resp: 219
Ion Ratio Lower Upper
164 100
166 93.4 99.8 149.6
129 57.5 79.6 119.4
131 28.2 78.6 117.8

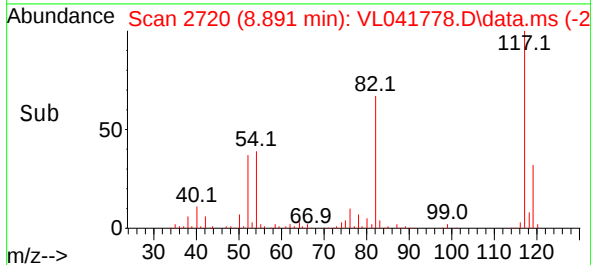
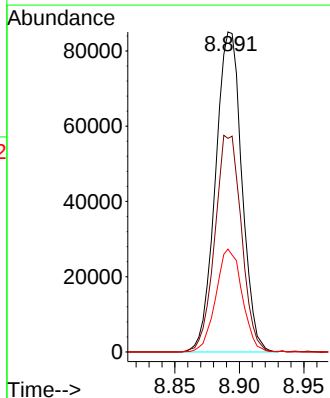
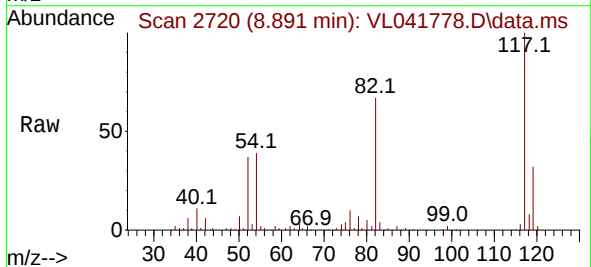
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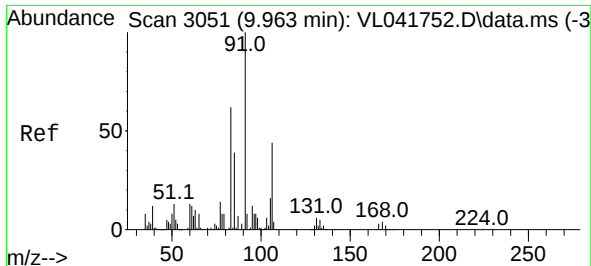
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. 0.013 min
Lab File: VL041778.D
Acq: 17 Dec 2024 14:44

Tgt Ion:117 Resp: 120727
Ion Ratio Lower Upper
117 100
82 68.4 53.8 80.8
119 32.3 26.7 40.1





#63

1,1,2,2-Tetrachloroethane

Concen: 0.029 ppbv m

RT: 9.975 min Scan# 3051

Delta R.T. 0.013 min

Lab File: VL041778.D

Acq: 17 Dec 2024 14:44

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03

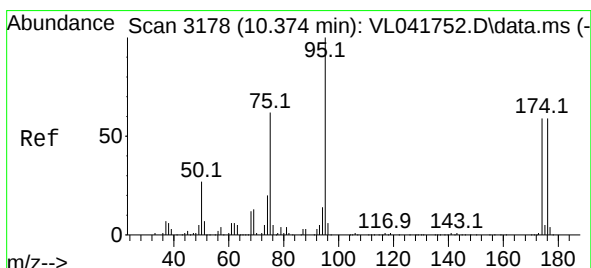
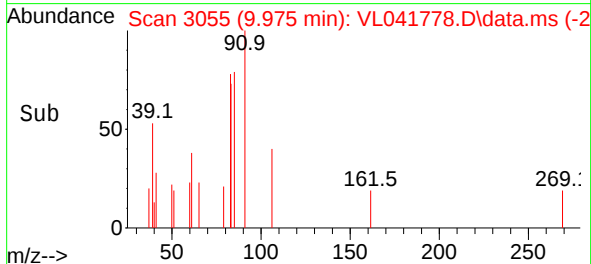
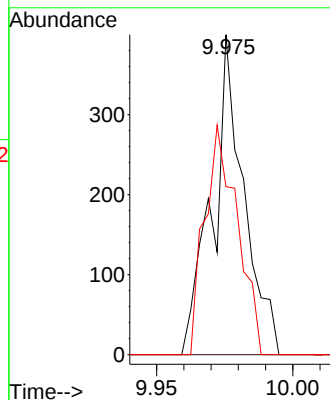
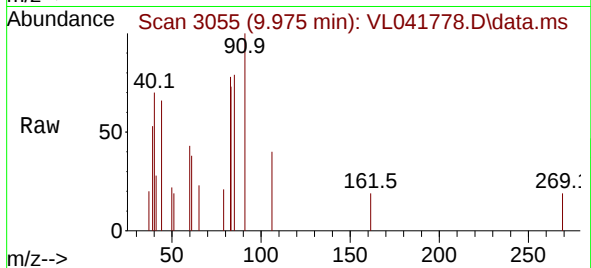
Tgt Ion:	83	Resp:	320
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.9	14.7
85	74.7	32.0	96.2

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.961 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.009 min

Lab File: VL041778.D

Acq: 17 Dec 2024 14:44

Tgt Ion:	95	Resp:	100211
Ion Ratio	Lower	Upper	
95	100		
174	57.8	47.6	71.4
175	4.5	3.7	5.5

