

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121724\
 Data File : VL041780.D
 Acq On : 17 Dec 2024 15:46
 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 03:05:24 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	2.790	49	53406	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	134978	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	115758	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	94106	9.756	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.600%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	195	0.052	ppbv #	86
32) 1,1,1-Trichloroethane	3.369	97	392m	0.034	ppbv	
35) Carbon Tetrachloride	3.774	117	424m	0.044	ppbv	
38) Trichloroethene	4.561	130	131m	0.022	ppbv	
52) Tetrachloroethene	8.234	164	73	0.014	ppbv #	1
63) 1,1,2,2-Tetrachloroethane	9.966	83	378m	0.036	ppbv	

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

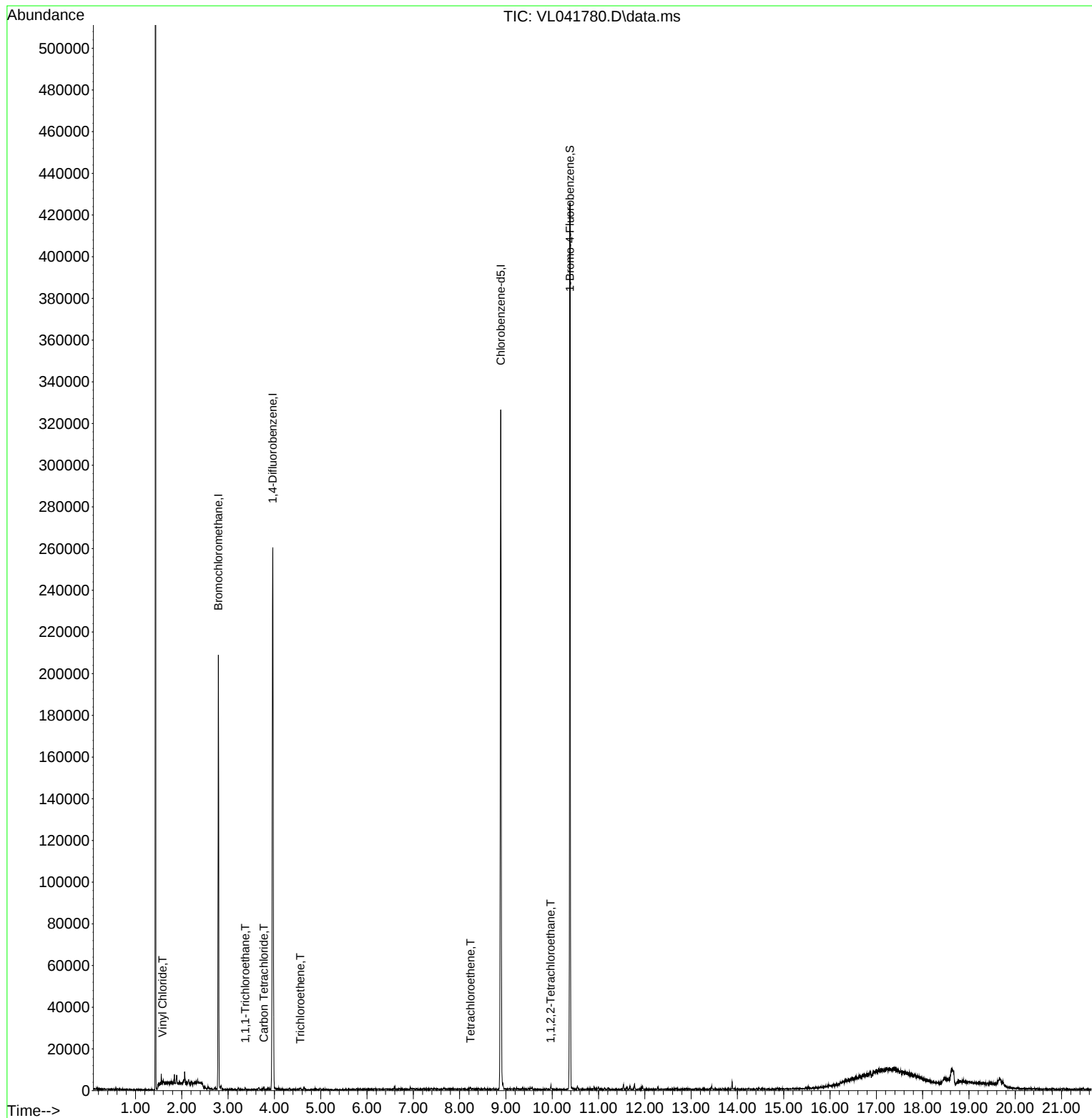
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121724\
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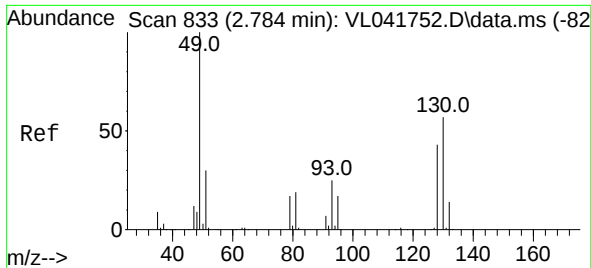
Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

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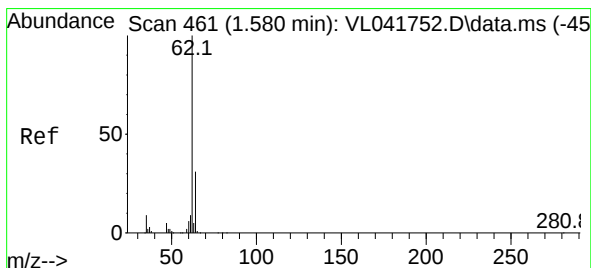
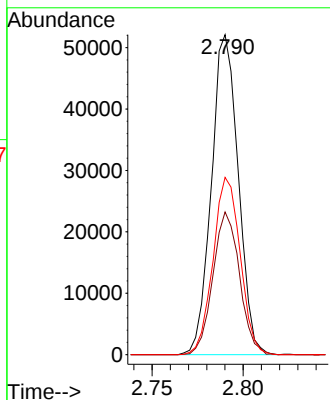
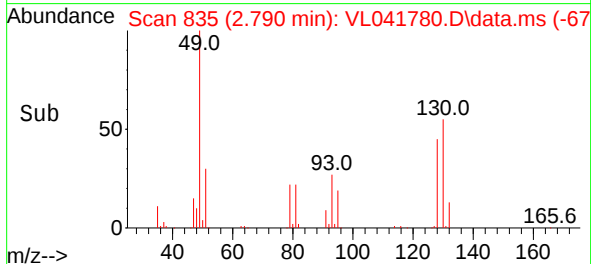
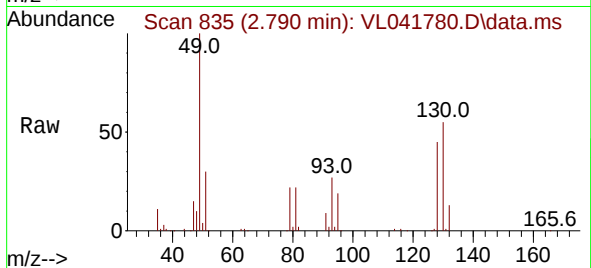
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 833
Delta R.T. 0.006 min
Lab File: VL041780.D
Acq: 17 Dec 2024 15:46

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.03

Tgt Ion: 49 Resp: 53400
Ion Ratio Lower Upper
49 100
128 44.2 21.6 64.6
130 56.0 28.3 85.0

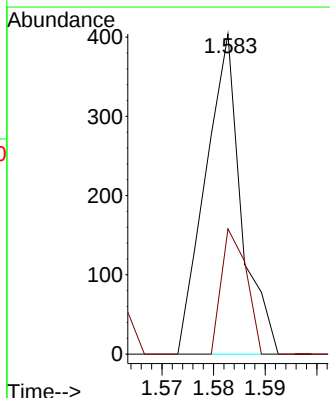
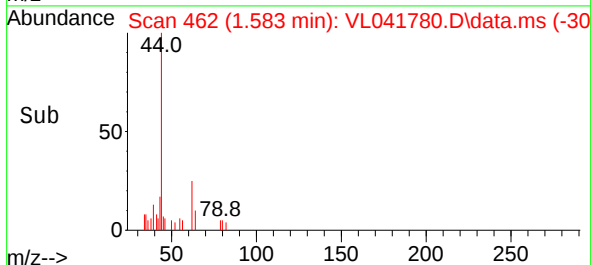
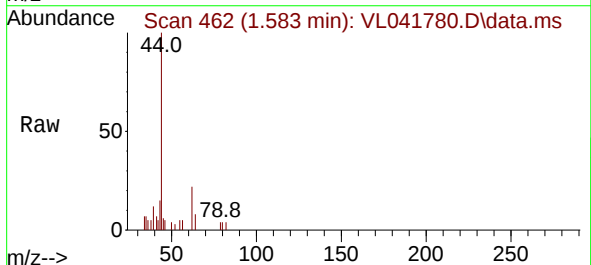
Manual Integrations
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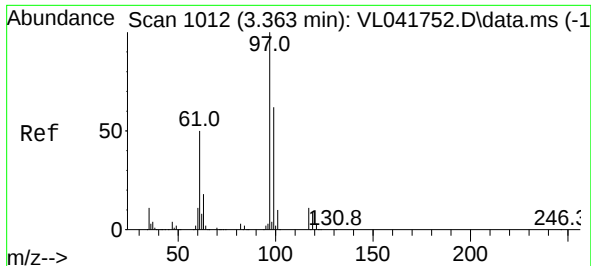
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#5
Vinyl Chloride
Concen: 0.052 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL041780.D
Acq: 17 Dec 2024 15:46

Tgt Ion: 62 Resp: 195
Ion Ratio Lower Upper
62 100
64 39.1 25.1 37.7#





#32

1,1,1-Trichloroethane

Concen: 0.034 ppbv m

RT: 3.369 min Scan# 1012

Delta R.T. 0.006 min

Lab File: VL041780.D

Acq: 17 Dec 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

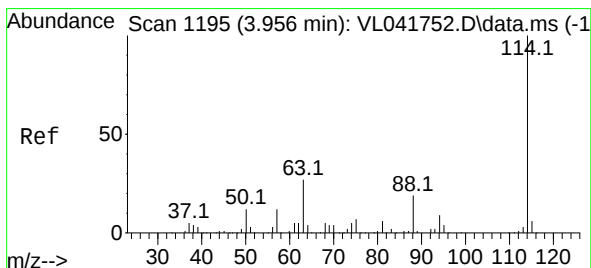
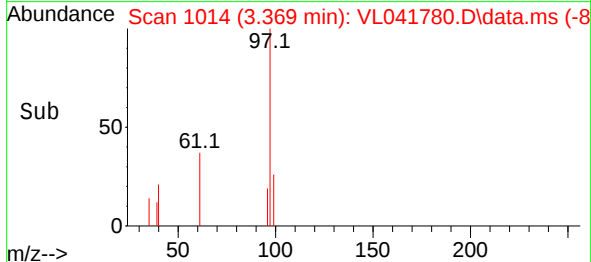
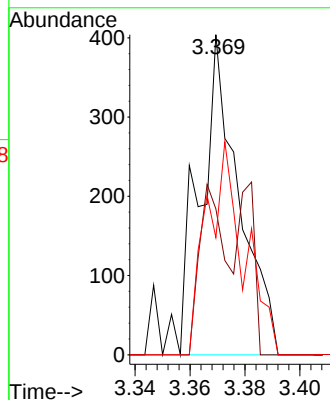
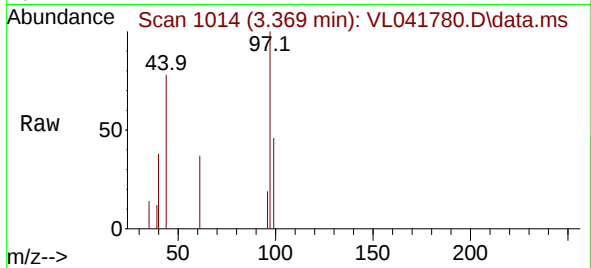
MDL 0.03

Tgt Ion: 97	Resp: 392
Ion Ratio	Lower Upper
97 100	
99 57.7	51.0 76.4
61 64.5	42.2 63.2

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

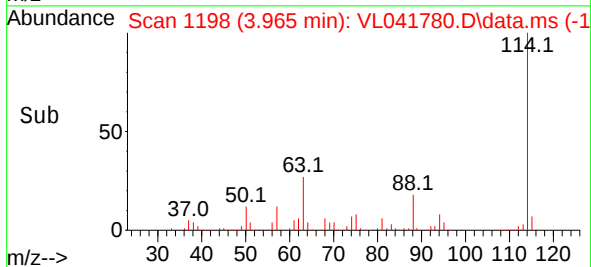
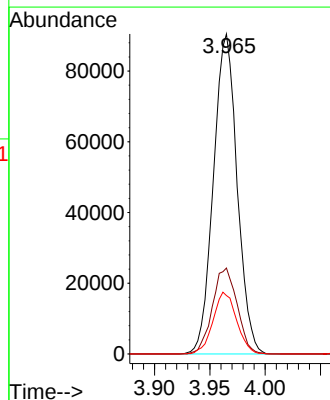
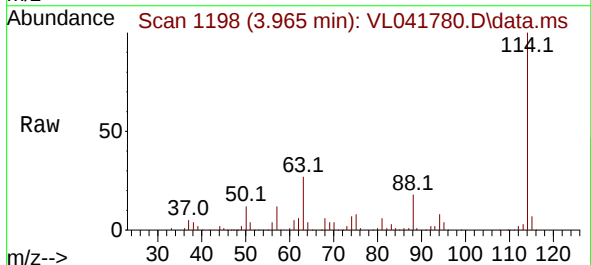
RT: 3.965 min Scan# 1198

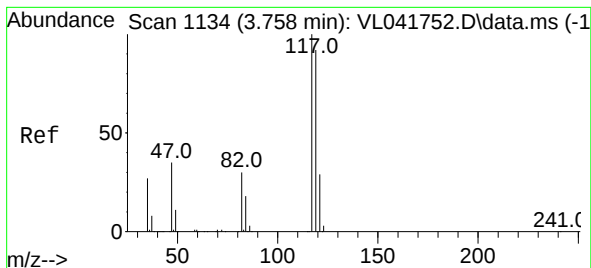
Delta R.T. 0.009 min

Lab File: VL041780.D

Acq: 17 Dec 2024 15:46

Tgt Ion:114	Resp: 134978
Ion Ratio	Lower Upper
114 100	
63 28.0	21.8 32.8
88 19.2	14.8 22.2





#35

Carbon Tetrachloride

Concen: 0.044 ppbv m

RT: 3.774 min Scan# 1139

Delta R.T. 0.016 min

Lab File: VL041780.D

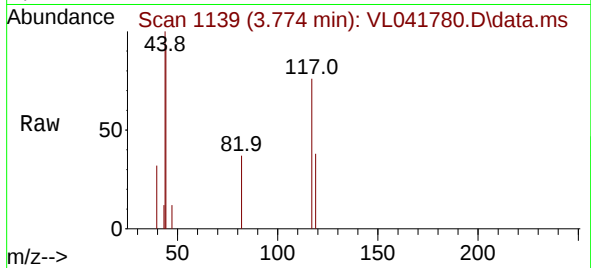
Acq: 17 Dec 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03



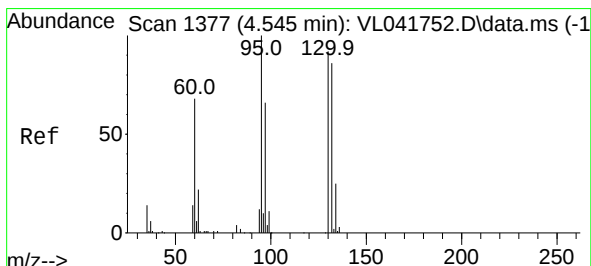
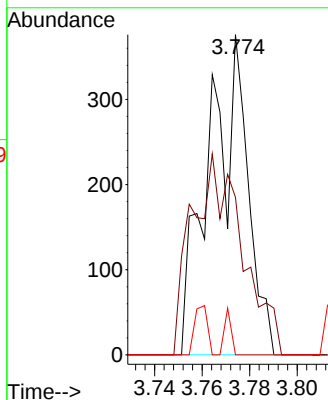
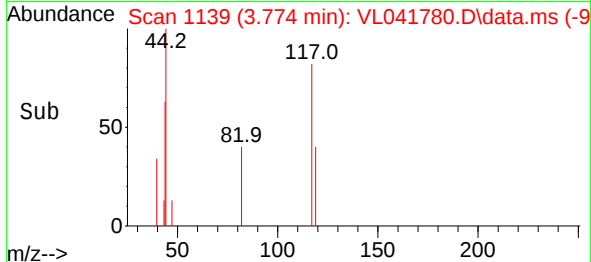
Tgt Ion:	117	Resp:	424
Ion Ratio	Lower	Upper	
117	100		
119	49.2	73.7	110.5#
121	0.0	23.0	34.4#

Manual Integrations

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#38

Trichloroethene

Concen: 0.022 ppbv m

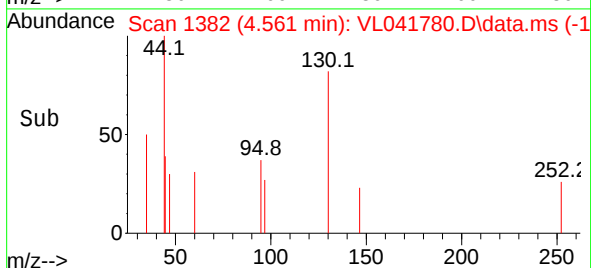
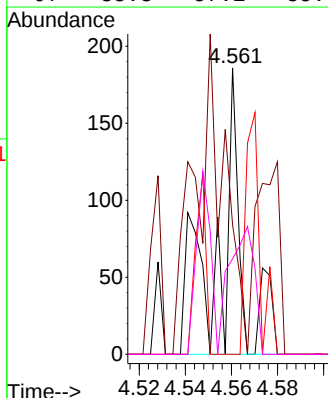
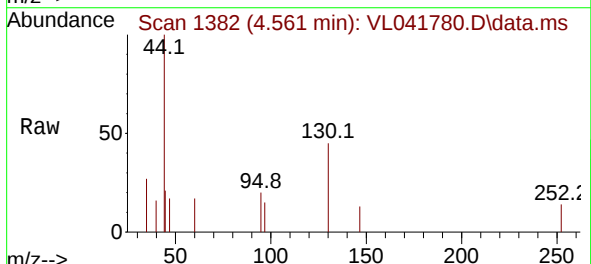
RT: 4.561 min Scan# 1382

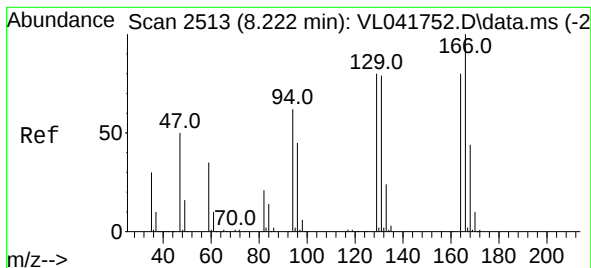
Delta R.T. 0.016 min

Lab File: VL041780.D

Acq: 17 Dec 2024 15:46

Tgt Ion:	130	Resp:	131
Ion Ratio	Lower	Upper	
130	100		
95	45.2	87.0	130.6#
132	0.0	75.0	112.6#
97	33.3	57.2	85.8#





#52

Tetrachloroethene

Concen: 0.014 ppbv

RT: 8.234 min Scan# 2513

Delta R.T. 0.012 min

Lab File: VL041780.D

Acq: 17 Dec 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

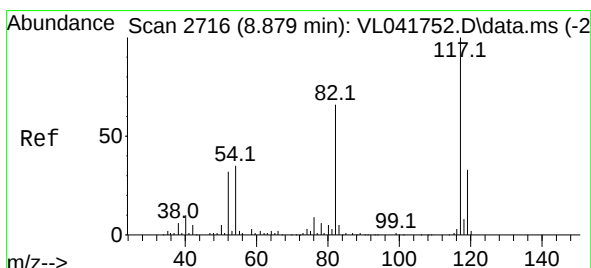
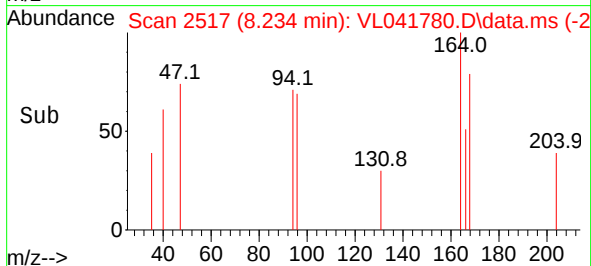
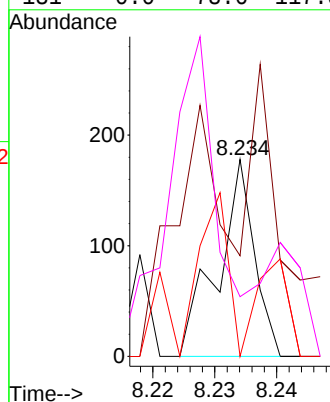
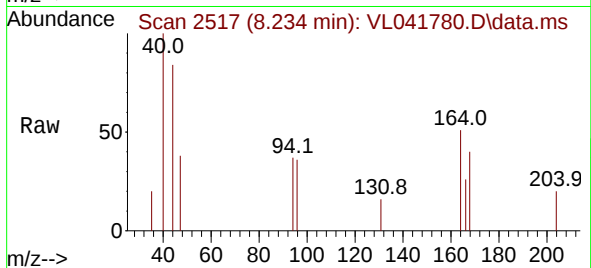
MDL 0.03

Tgt Ion:164	Resp:	70
Ion Ratio	Lower	Upper
164	100	
166	2.2	99.8 149.6
129	0.0	79.6 119.4
131	0.0	78.6 117.8

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

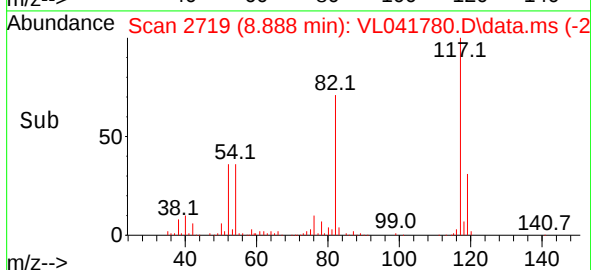
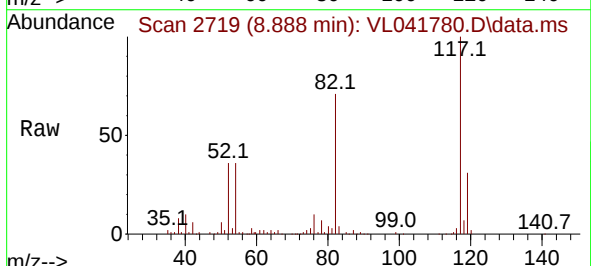
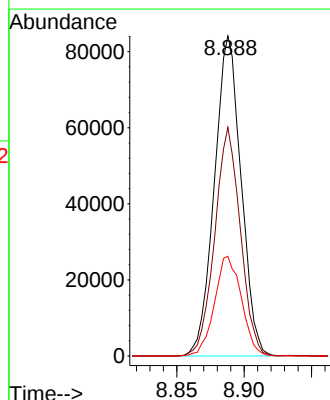
RT: 8.888 min Scan# 2719

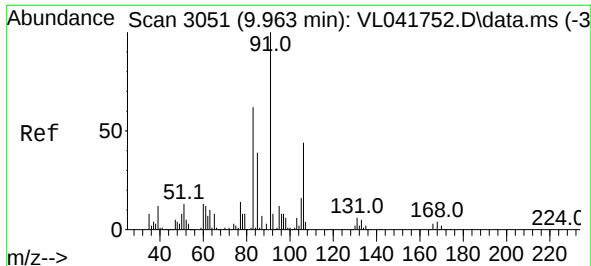
Delta R.T. 0.009 min

Lab File: VL041780.D

Acq: 17 Dec 2024 15:46

Tgt Ion:117	Resp:	115758
Ion Ratio	Lower	Upper
117	100	
82	68.6	53.8 80.8
119	31.5	26.7 40.1





#63

1,1,2,2-Tetrachloroethane

Concen: 0.036 ppbv m

RT: 9.966 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL041780.D

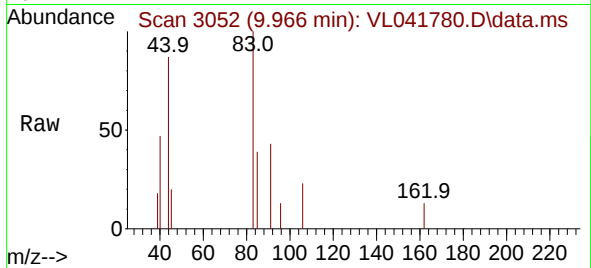
Acq: 17 Dec 2024 15:46

Instrument :

MSVOA_L

ClientSampleId :

MDL 0.03

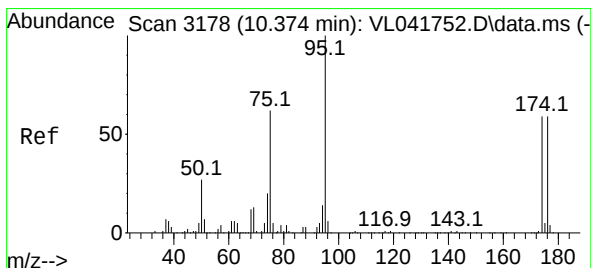
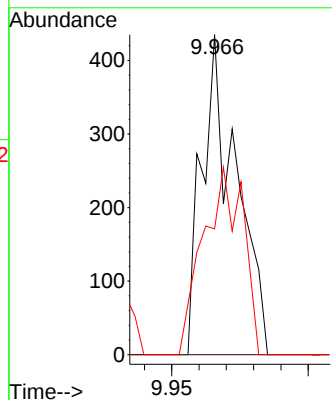


Tgt Ion:	83	Resp:	378
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.9	14.7
85	68.3	32.0	96.2

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.756 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.009 min

Lab File: VL041780.D

Acq: 17 Dec 2024 15:46

Tgt Ion:	95	Resp:	94106
Ion Ratio	Lower	Upper	
95	100		
174	58.9	47.6	71.4
175	4.7	3.7	5.5

