

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
 Data File : VL041029.D
 Acq On : 25 Jan 2024 14:39
 Operator : SY/MD
 Sample : P1187-15 MDL 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2024DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024

Quant Time: Jan 26 00:28:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Jan 26 00:23:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1073067	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2553526	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2203881	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1645296	9.884	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.909	62	7719	0.116	ppbv #	85
32) 1,1,1-Trichloroethane	5.983	97	15663m	0.087	ppbv	
35) Carbon Tetrachloride	6.478	117	17658m	0.104	ppbv	
38) Trichloroethene	7.278	130	7842m	0.093	ppbv	
52) Tetrachloroethene	10.600	164	6167m	0.088	ppbv	
54) 1,2-Dibromoethane	10.002	107	8687m	0.072	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.043	83	18873m	0.098	ppbv	
79) Naphthalene	21.387	128	6626m	0.042	ppbv	

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

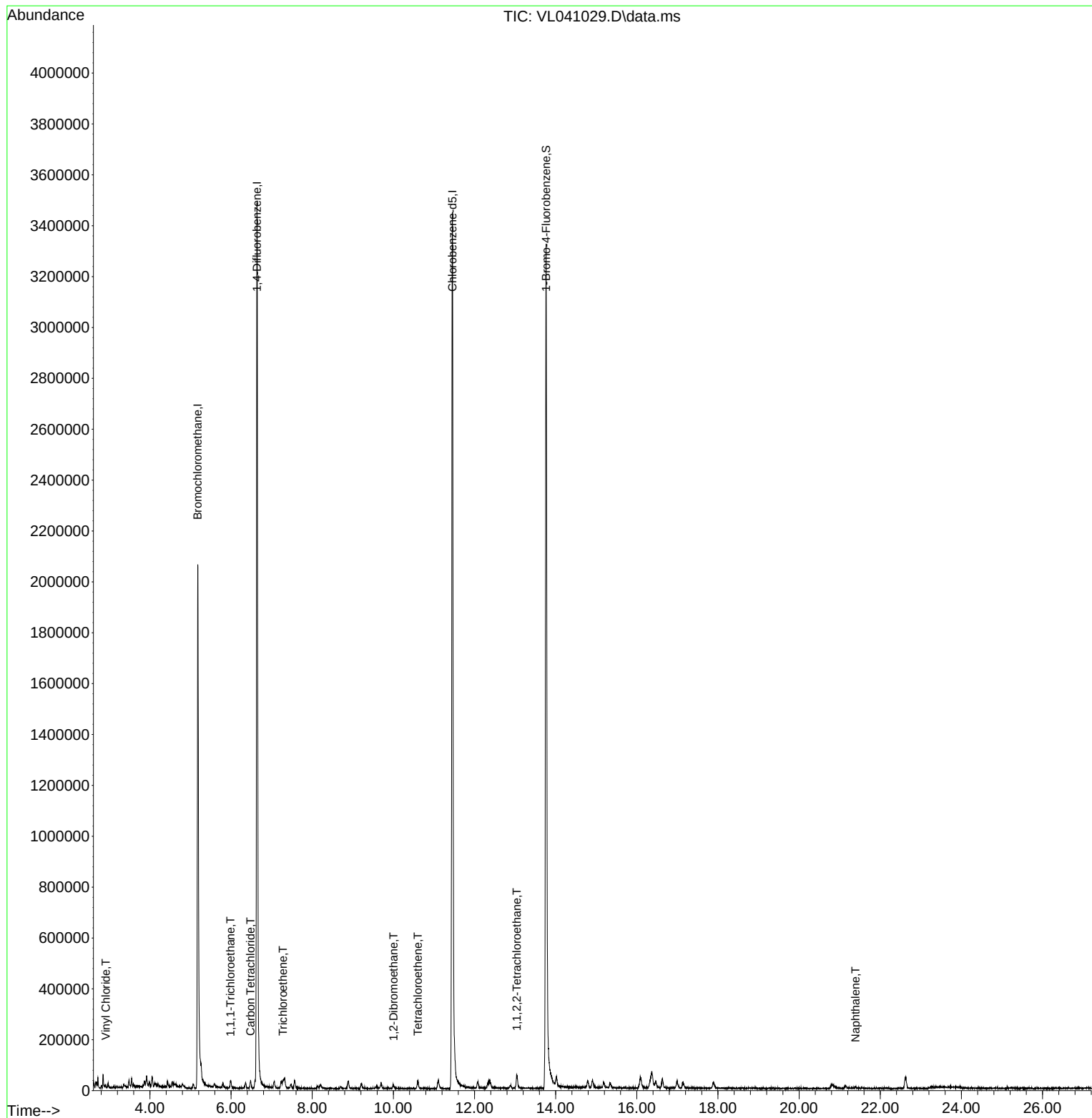
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
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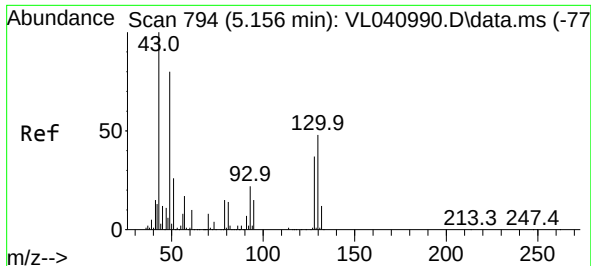
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL

Quant Time: Jan 26 00:28:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
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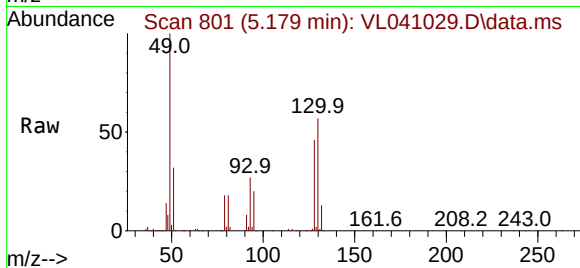
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

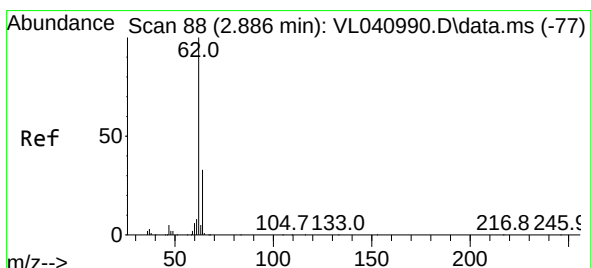
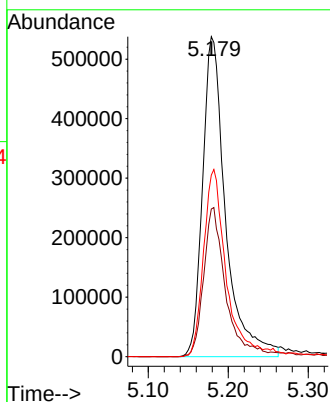
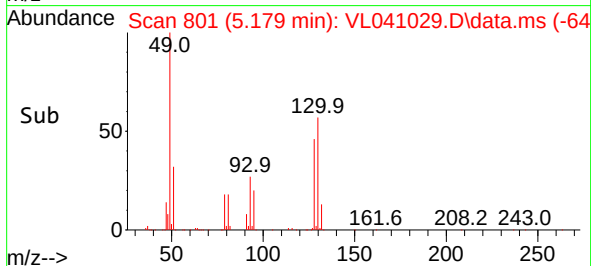
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



Tgt Ion: 49 Resp: 107306
Ion Ratio Lower Upper
49 100
128 46.7 23.9 71.7
130 59.7 31.1 93.5

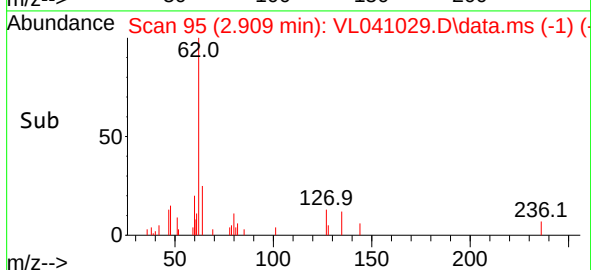
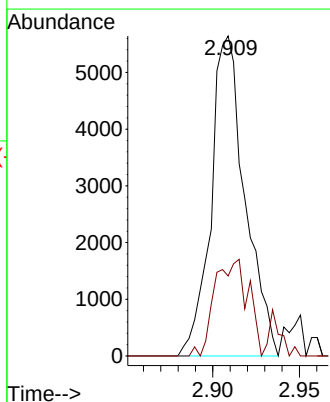
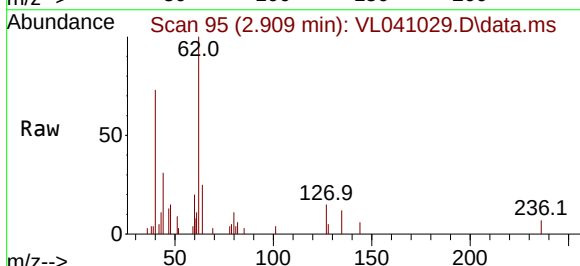
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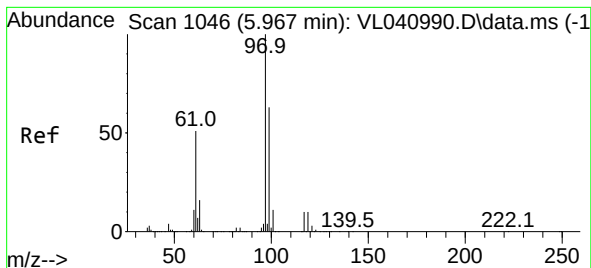
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#5
Vinyl Chloride
Concen: 0.116 ppbv
RT: 2.909 min Scan# 95
Delta R.T. 0.003 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

Tgt Ion: 62 Resp: 7719
Ion Ratio Lower Upper
62 100
64 25.0 26.6 40.0#





#32

1,1,1-Trichloroethane

Concen: 0.087 ppbv m

RT: 5.983 min Scan# 1051

Delta R.T. -0.010 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Instrument :

MSVOA_L

ClientSampleId :

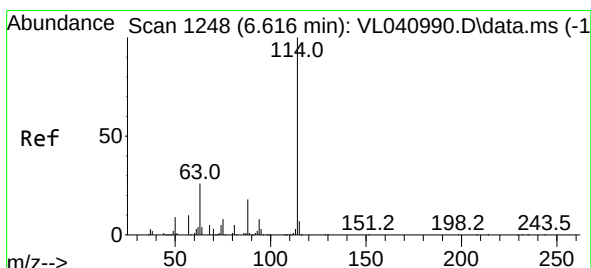
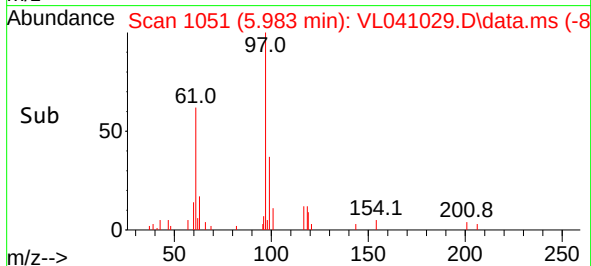
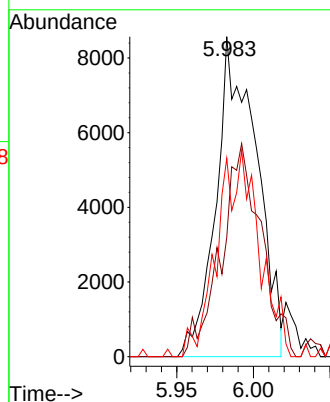
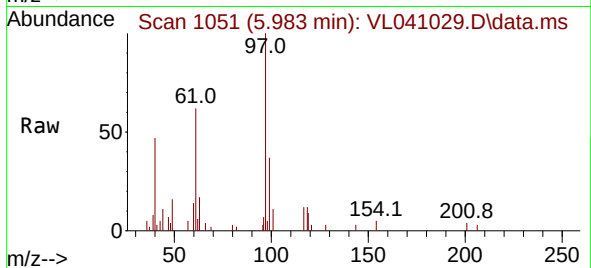
MDL-AIR-03-QT1-2024DL

Tgt Ion: 97	Resp: 1566
Ion Ratio	Lower Upper
97 100	
99 68.5	51.5 77.3
61 67.9	40.3 60.5

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Supervised By :Mahesh Dadoda 01/26/2024



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

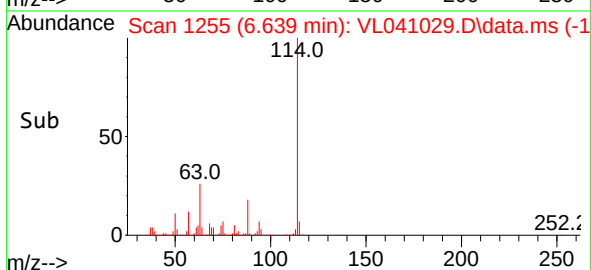
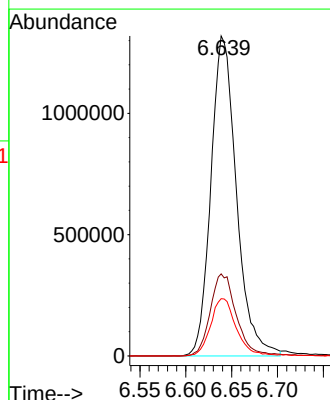
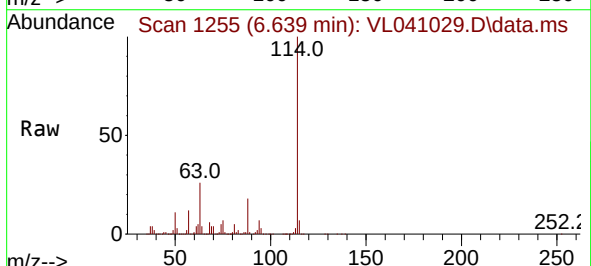
RT: 6.639 min Scan# 1255

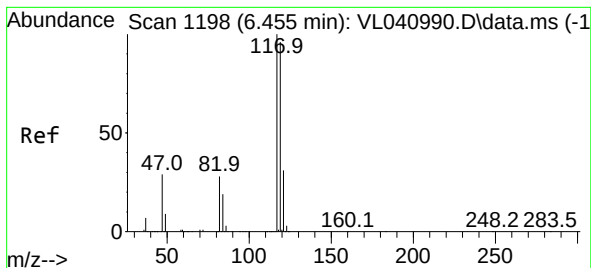
Delta R.T. -0.003 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Tgt Ion:114	Resp: 2553526
Ion Ratio	Lower Upper
114 100	
63 26.7	20.8 31.2
88 18.2	14.3 21.5





#35

Carbon Tetrachloride

Concen: 0.104 ppbv m

RT: 6.478 min Scan# 1198

Delta R.T. -0.003 min

Lab File: VL041029.D

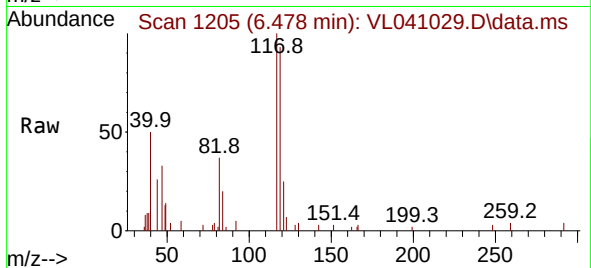
Acq: 25 Jan 2024 14:39

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2024DL



Tgt Ion:117 Resp: 17658

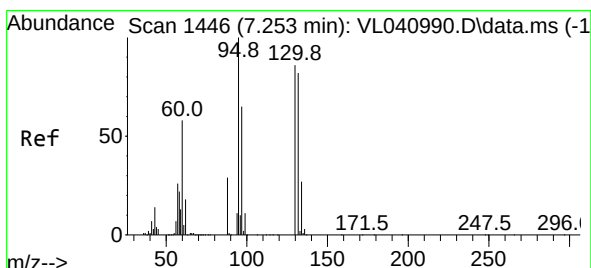
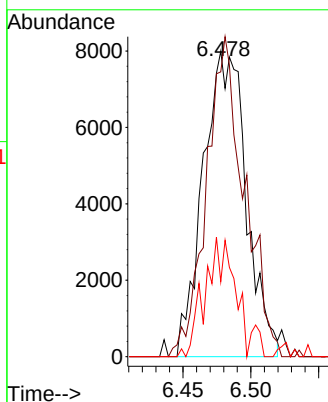
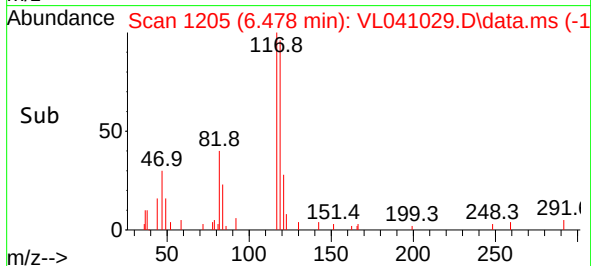
Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.9	115.3
121	24.6	24.7	37.1

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#38

Trichloroethene

Concen: 0.093 ppbv m

RT: 7.278 min Scan# 1454

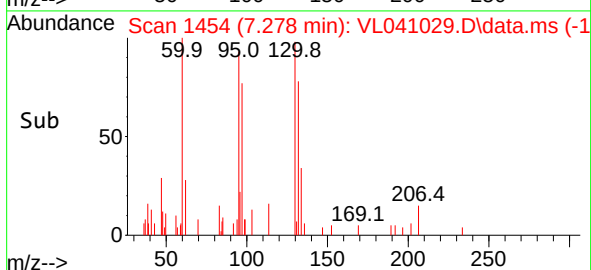
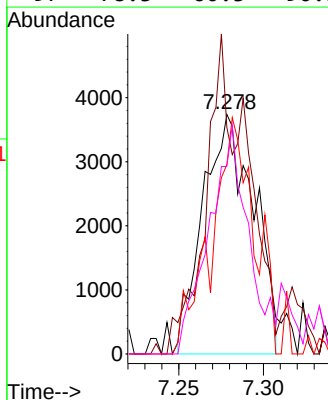
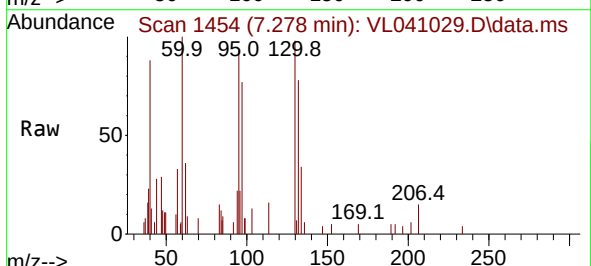
Delta R.T. -0.000 min

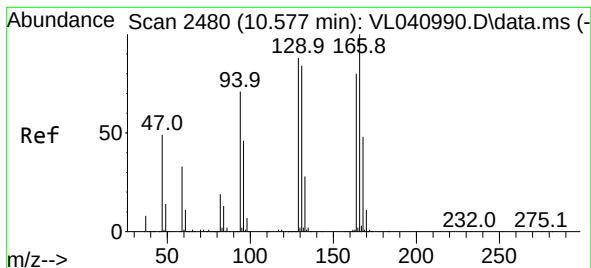
Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Tgt Ion:130 Resp: 7842

Ion	Ratio	Lower	Upper
130	100		
95	94.6	92.9	139.3
132	79.0	76.2	114.2
97	78.3	60.3	90.5





#52

Tetrachloroethene

Concen: 0.088 ppbv m

RT: 10.600 min Scan# 2480

Delta R.T. -0.003 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Instrument :

MSVOA_L

ClientSampleId :

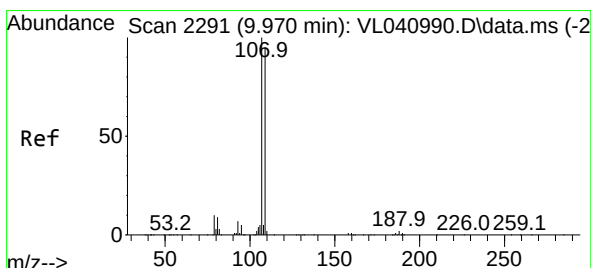
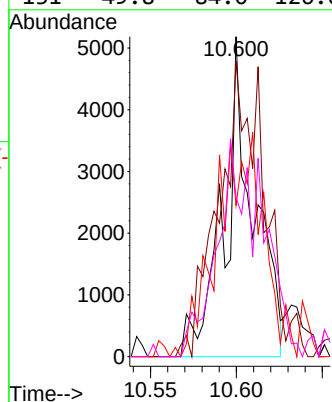
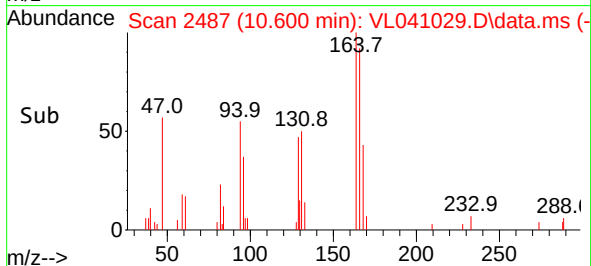
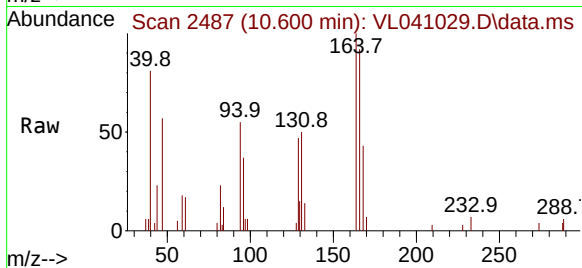
MDL-AIR-03-QT1-2024DL

Tgt Ion:	164	Resp:	616
Ion Ratio	Lower	Upper	
164	100		
166	92.3	100.2	150.2
129	47.3	87.9	131.9
131	49.8	84.0	126.0

Manual Integrations

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Supervised By :Mahesh Dadoda 01/26/2024



#54

1,2-Dibromoethane

Concen: 0.072 ppbv m

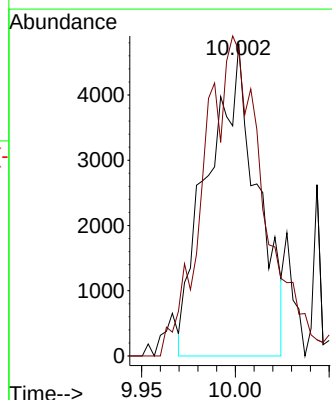
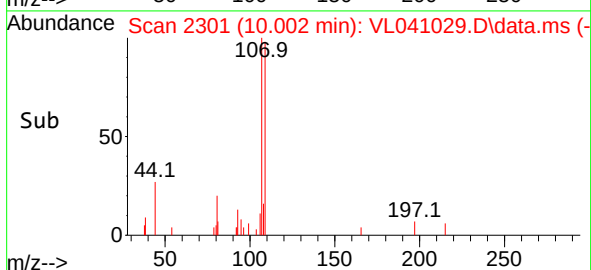
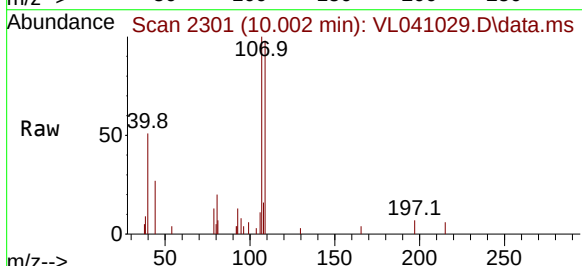
RT: 10.002 min Scan# 2301

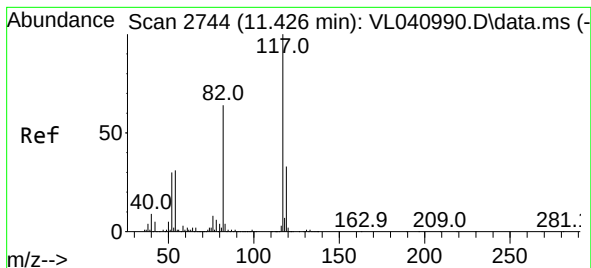
Delta R.T. 0.006 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

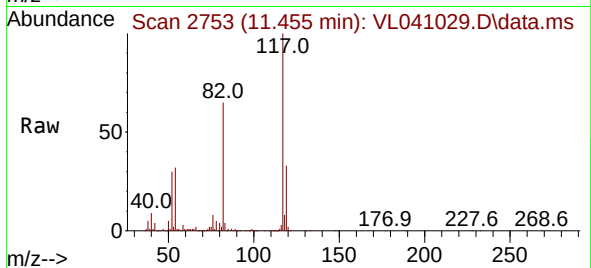
Tgt Ion:	107	Resp:	8687
Ion Ratio	Lower	Upper	
107	100		
109	97.9	76.1	114.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

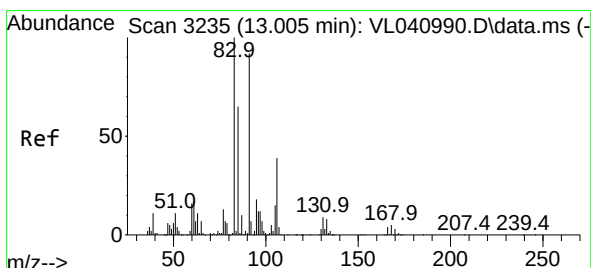
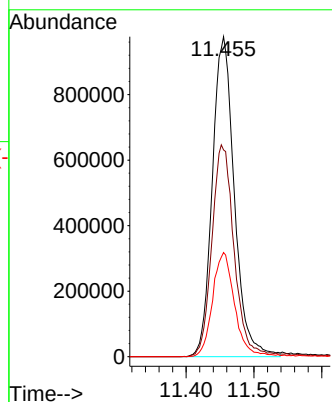
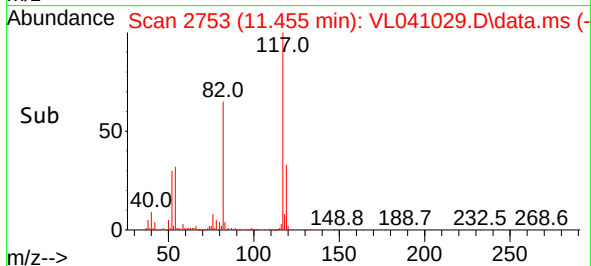
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



Tgt Ion: 117 Resp: 220388
Ion Ratio Lower Upper
117 100
82 68.0 51.7 77.5
119 32.7 23.8 35.6

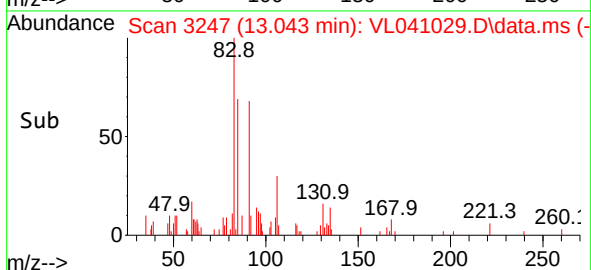
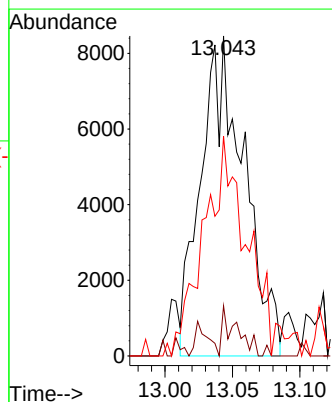
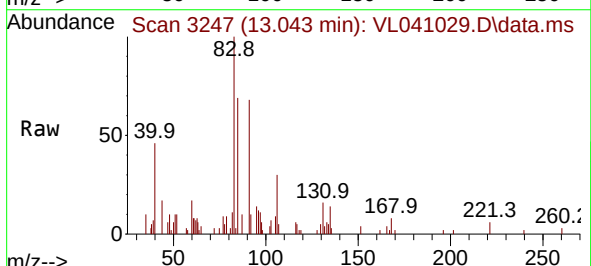
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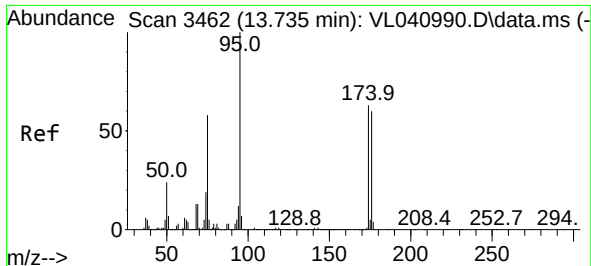
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#63
1,1,2,2-Tetrachloroethane
Concen: 0.098 ppbv m
RT: 13.043 min Scan# 3247
Delta R.T. 0.009 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

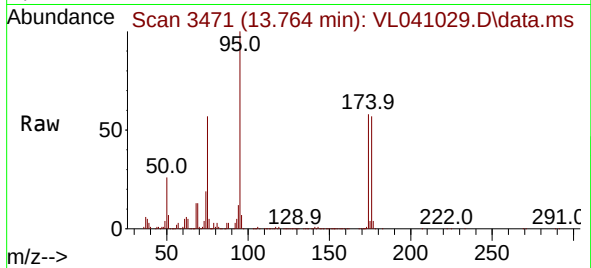
Tgt Ion: 83 Resp: 18873
Ion Ratio Lower Upper
83 100
131 0.0 4.6 13.8#
85 0.0 33.0 99.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.884 ppbv
RT: 13.764 min Scan# 3462
Delta R.T. -0.000 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

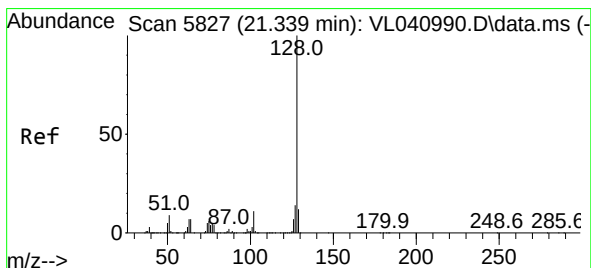
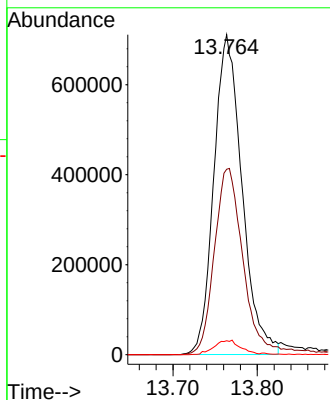
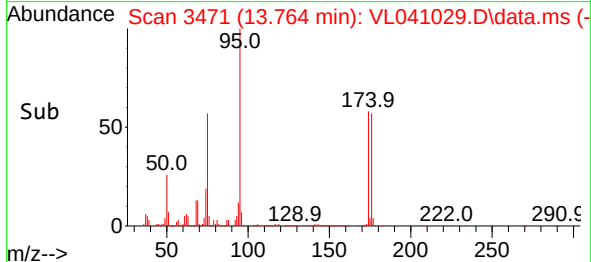
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



Tgt Ion: 95 Resp: 1645290
Ion Ratio Lower Upper
95 100
174 61.6 49.1 73.7
175 4.5 3.7 5.5

Manual Integrations
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#79
Naphthalene
Concen: 0.042 ppbv m
RT: 21.387 min Scan# 5842
Delta R.T. 0.022 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

Tgt Ion:128 Resp: 6626
Ion Ratio Lower Upper
128 100
127 100.0 10.9 16.3#
129 14.3 9.3 13.9#

