

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
 Data File : VL041031.D
 Acq On : 25 Jan 2024 15:56
 Operator : SY/MD
 Sample : P1187-15 MDL 0.03
 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 00:28:58 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	989141	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2383915	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2026529	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1560156	10.193	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%
Target Compounds						
5) Vinyl Chloride	2.906	62	1610	0.026	ppbv	Qvalue # 88
32) 1,1,1-Trichloroethane	5.976	97	5416m	0.033	ppbv	
35) Carbon Tetrachloride	6.475	117	5649m	0.036	ppbv	
38) Trichloroethene	7.269	130	2287m	0.029	ppbv	
52) Tetrachloroethene	10.597	164	2130m	0.033	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.044	83	6790m	0.038	ppbv	

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

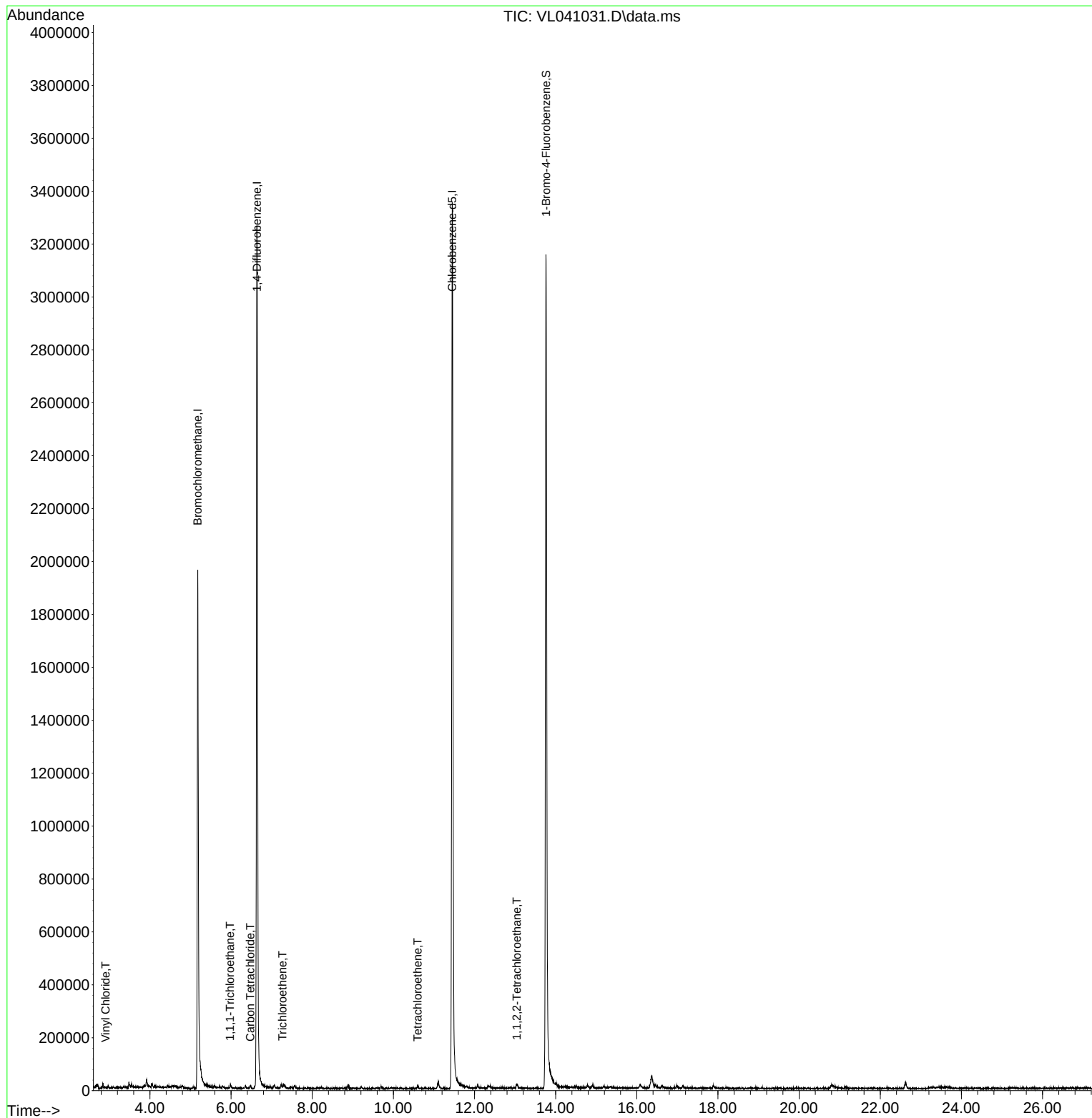
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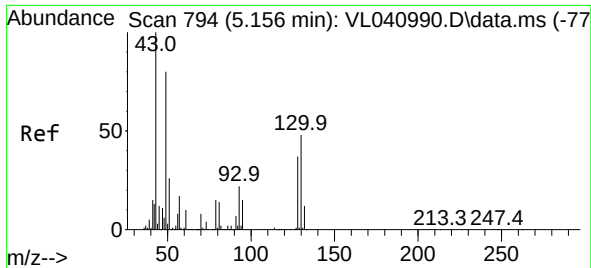
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MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL

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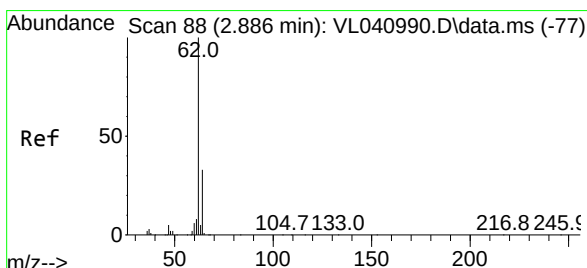
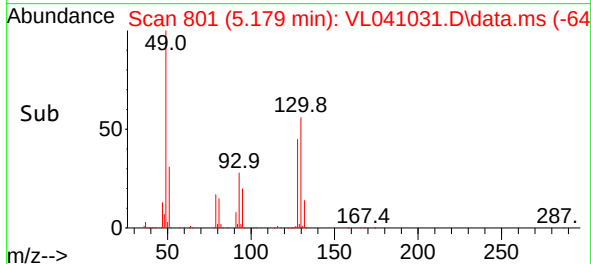
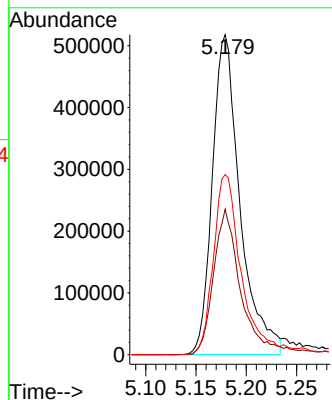
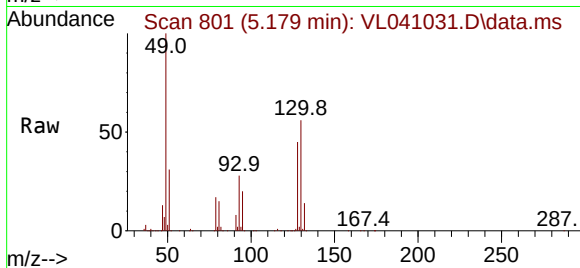
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL041031.D
Acq: 25 Jan 2024 15:56

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

Tgt Ion: 49 Resp: 98914
Ion Ratio Lower Upper
49 100
128 47.1 23.9 71.7
130 59.9 31.1 93.5

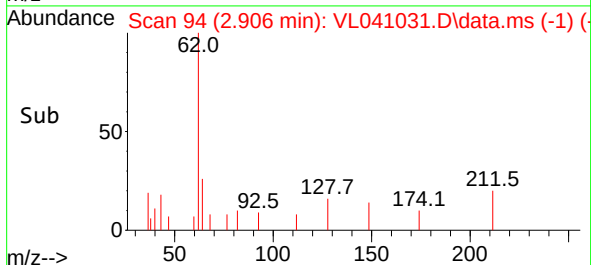
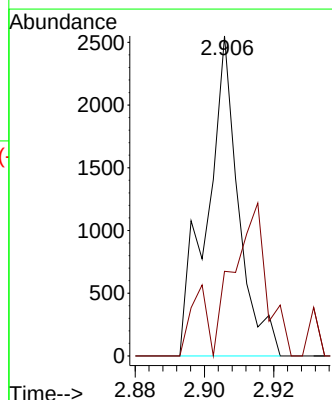
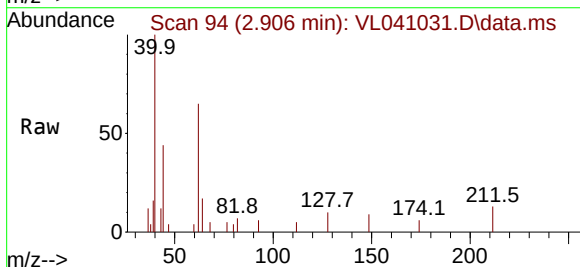
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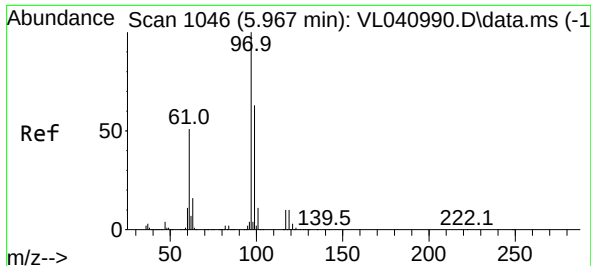
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#5
Vinyl Chloride
Concen: 0.026 ppbv
RT: 2.906 min Scan# 94
Delta R.T. 0.000 min
Lab File: VL041031.D
Acq: 25 Jan 2024 15:56

Tgt Ion: 62 Resp: 1610
Ion Ratio Lower Upper
62 100
64 26.5 26.6 40.0#





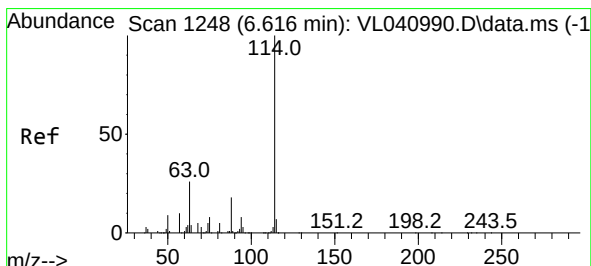
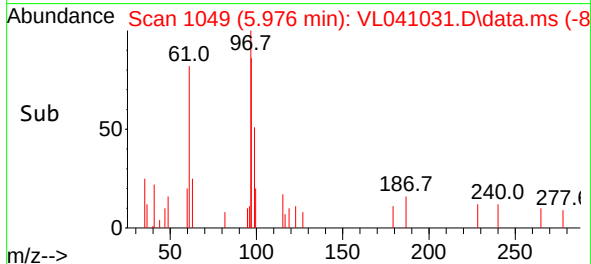
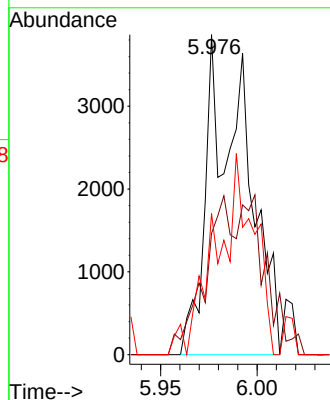
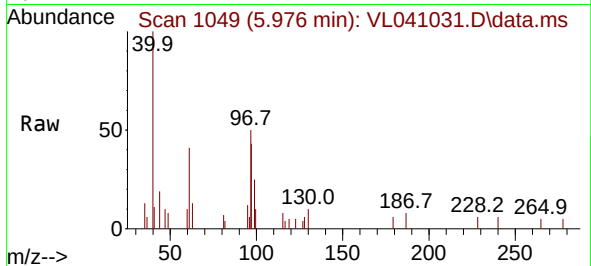
#32
1,1,1-Trichloroethane
Concen: 0.033 ppbv m
RT: 5.976 min Scan# 1046
Delta R.T. -0.016 min
Lab File: VL041031.D
Acq: 25 Jan 2024 15:56

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

Tgt Ion: 97 Resp: 5410
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3
61 62.6 40.3 60.5

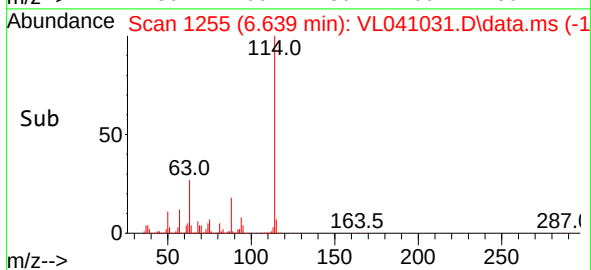
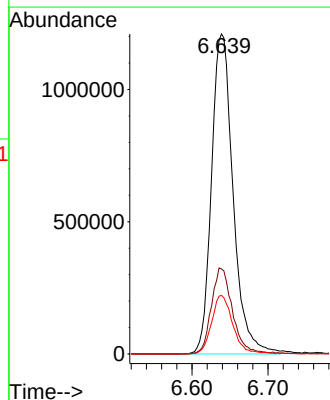
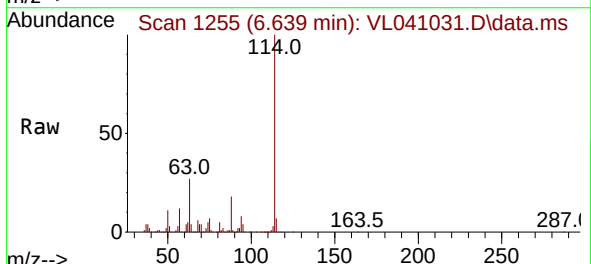
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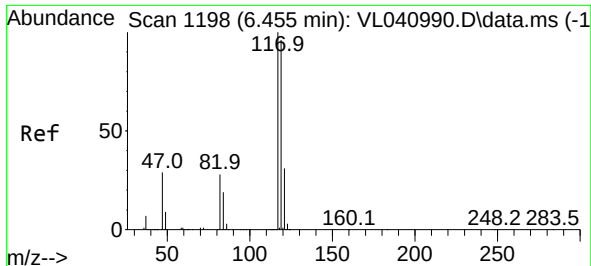
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Supervised By :Mahesh Dadoda 01/26/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.003 min
Lab File: VL041031.D
Acq: 25 Jan 2024 15:56

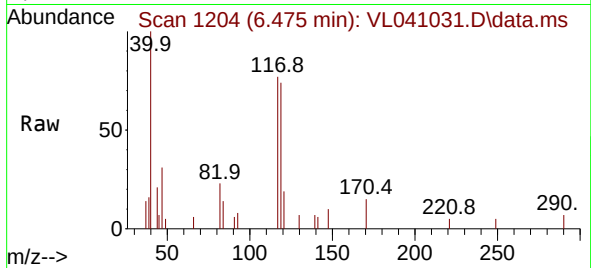
Tgt Ion:114 Resp: 2383915
Ion Ratio Lower Upper
114 100
63 26.5 20.8 31.2
88 18.1 14.3 21.5





#35
Carbon Tetrachloride
Concen: 0.036 ppbv m
RT: 6.475 min Scan# 1198
Delta R.T. -0.006 min
Lab File: VL041031.D
Acq: 25 Jan 2024 15:56

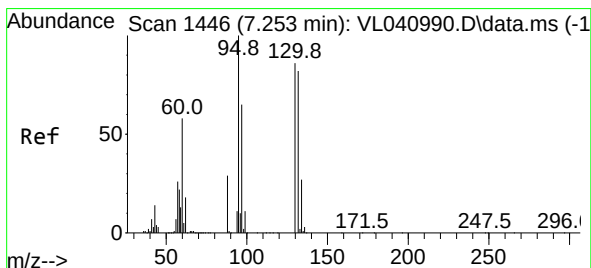
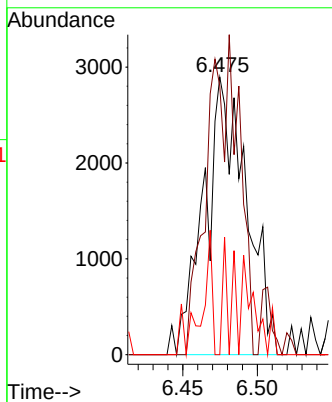
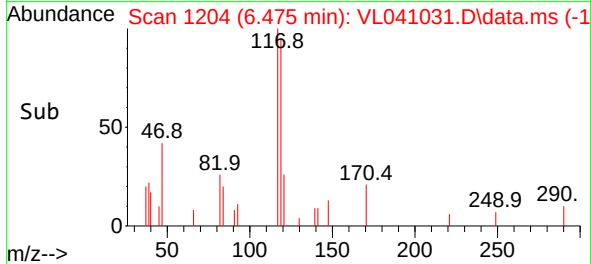
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT1-2024DL



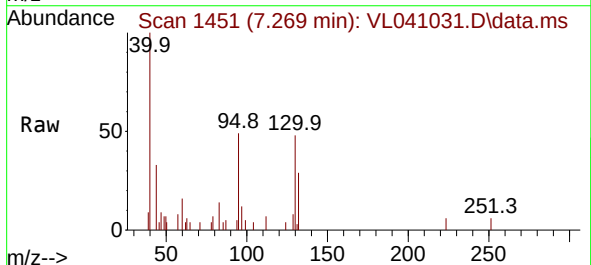
Tgt Ion:117 Resp: 5649
Ion Ratio Lower Upper
117 100
119 96.7 76.9 115.3
121 0.0 24.7 37.1

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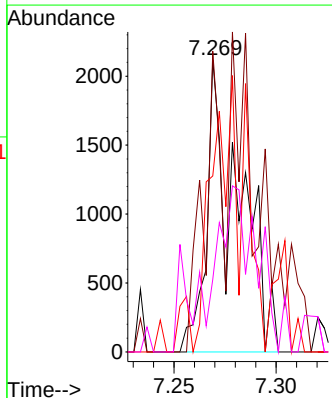
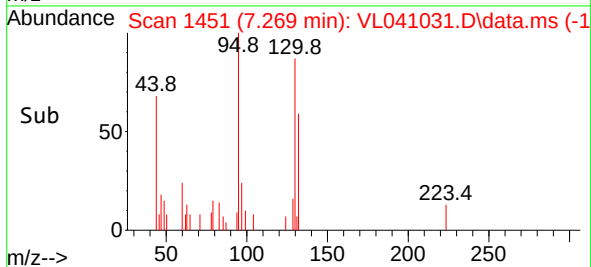
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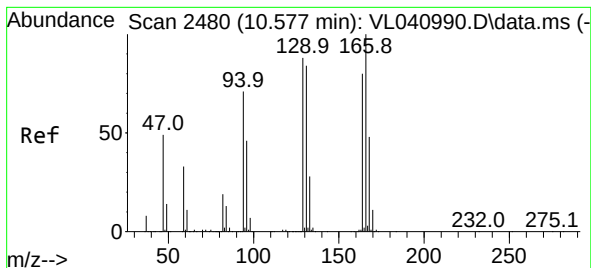


#38
Trichloroethene
Concen: 0.029 ppbv m
RT: 7.269 min Scan# 1451
Delta R.T. -0.010 min
Lab File: VL041031.D
Acq: 25 Jan 2024 15:56



Tgt Ion:130 Resp: 2287
Ion Ratio Lower Upper
130 100
95 103.0 92.9 139.3
132 60.3 76.2 114.2#
97 24.8 60.3 90.5#





#52

Tetrachloroethene

Concen: 0.033 ppbv m

RT: 10.597 min Scan# 2486

Delta R.T. -0.006 min

Lab File: VL041031.D

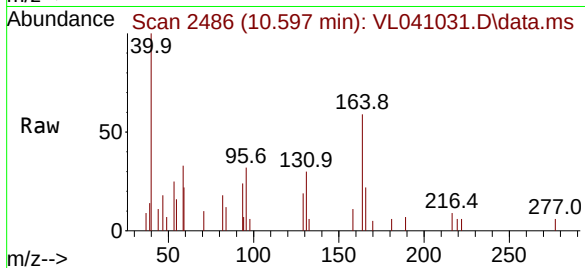
Acq: 25 Jan 2024 15:56

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2024DL

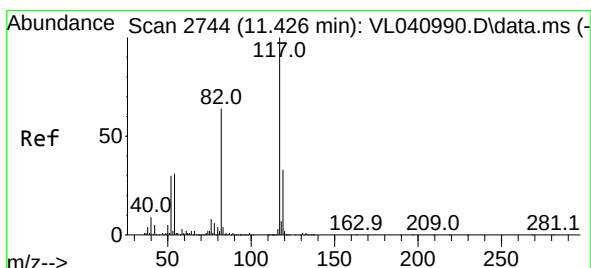
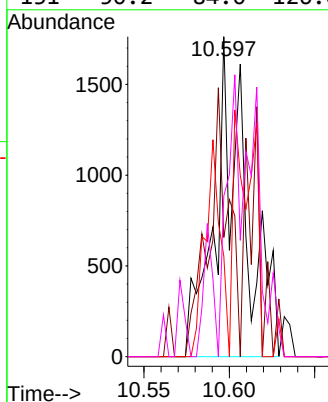
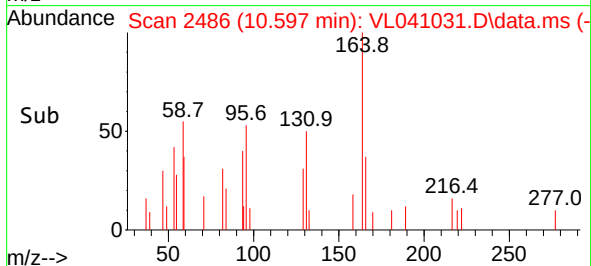


Tgt Ion	Ratio	Lower	Upper
164	100		
166	37.3	100.2	150.2
129	31.4	87.9	131.9
131	50.2	84.0	126.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

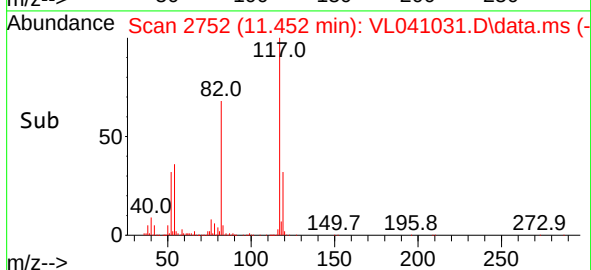
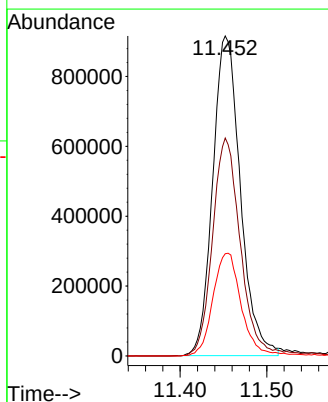
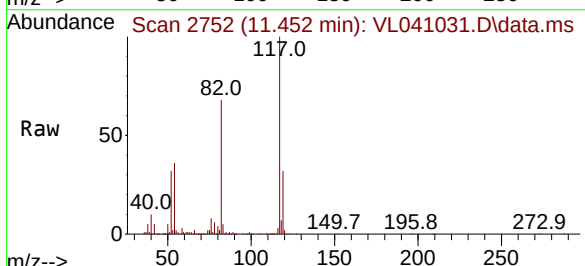
RT: 11.452 min Scan# 2752

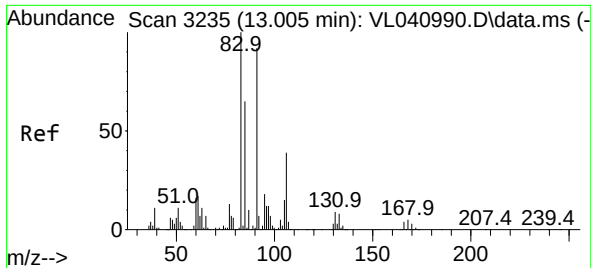
Delta R.T. -0.003 min

Lab File: VL041031.D

Acq: 25 Jan 2024 15:56

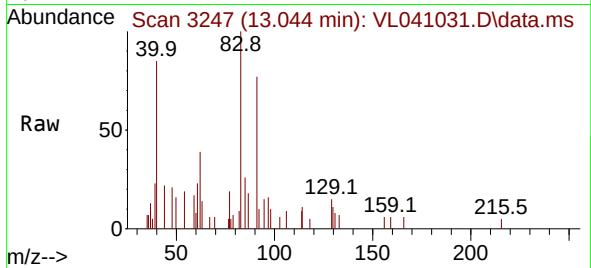
Tgt Ion	Ratio	Lower	Upper
117	100		
82	70.1	51.7	77.5
119	33.6	23.8	35.6





#63
1,1,2,2-Tetrachloroethane
Concen: 0.038 ppbv m
RT: 13.044 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL041031.D
Acq: 25 Jan 2024 15:56

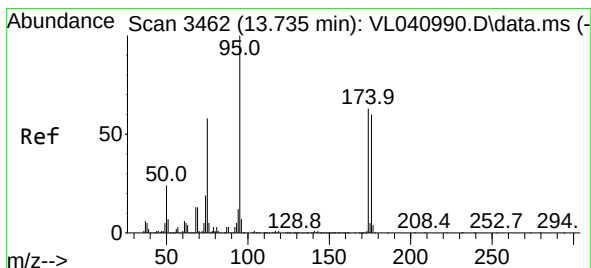
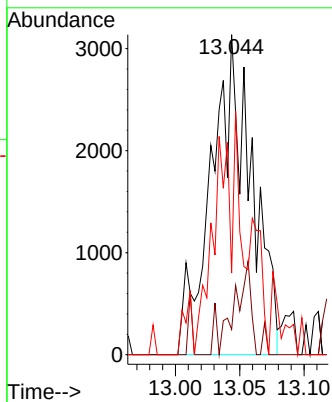
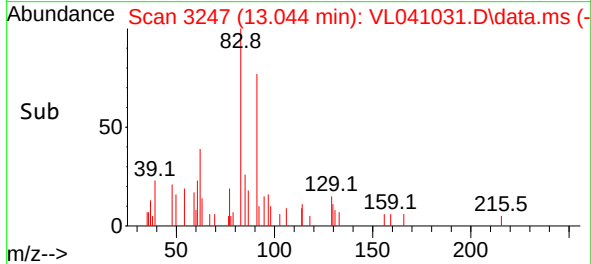
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



Tgt Ion: 83 Resp: 6790
Ion Ratio Lower Upper
83 100
131 0.0 4.6 13.8
85 0.0 33.0 99.0

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.193 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.000 min
Lab File: VL041031.D
Acq: 25 Jan 2024 15:56

Tgt Ion: 95 Resp: 1560156
Ion Ratio Lower Upper
95 100
174 59.6 49.1 73.7
175 4.2 3.7 5.5

