

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041216.D
 Acq On : 6 May 2024 13:42
 Operator : SY/MD
 Sample : P2334-10DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-03-IA02-20240425DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2024
 Supervised By :Mahesh Dadoda 05/07/2024

Quant Time: May 07 05:23:45 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue May 07 05:19:44 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	741749	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	1929621	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	1814878	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1376801	10.049	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.500%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.732	85	37257m	0.371	ppbv	
4) Chloromethane	2.806	50	9314m	0.211	ppbv	
9) Propene	2.703	41	13004m	0.295	ppbv	
11) Trichlorofluoromethane	3.562	101	29392	0.288	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.063	101	9394m	0.125	ppbv	
13) Ethanol	3.243	45	115772	11.714	ppbv	93
15) Acetone	3.468	43	781982	8.933	ppbv	100
20) Methylene Chloride	3.931	84	732759	24.071	ppbv	98
26) Hexane	5.211	57	851325	10.918	ppbv #	42
32) 1,1,1-Trichloroethane	5.996	97	4994m	0.047	ppbv	
34) 2-Butanone	4.800	43	26966m	0.275	ppbv	
35) Carbon Tetrachloride	6.491	117	37415	0.345	ppbv	97
36) Benzene	6.362	78	11702m	0.072	ppbv	
38) Trichloroethene	7.285	130	923929	15.311	ppbv	98
50) 4-Methyl-2-Pentanone	8.211	43	17847m	0.101	ppbv	
52) Tetrachloroethene	10.613	164	65154m	1.145	ppbv	
53) Toluene	9.221	91	102489m	0.546	ppbv	
58) Ethyl Benzene	12.082	91	17466m	0.070	ppbv	
59) m/p-Xylene	12.356	91	36446m	0.174	ppbv	

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

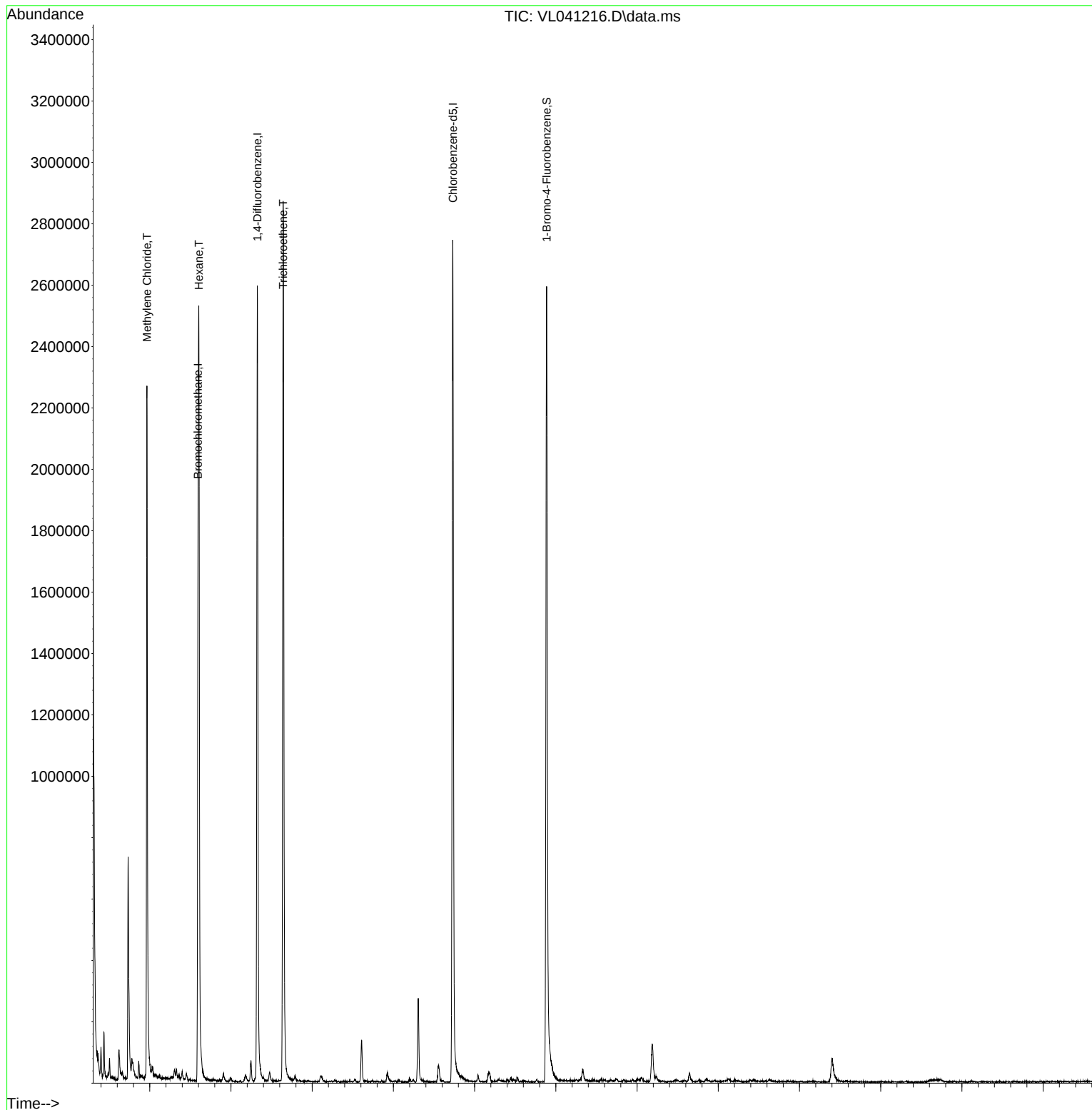
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
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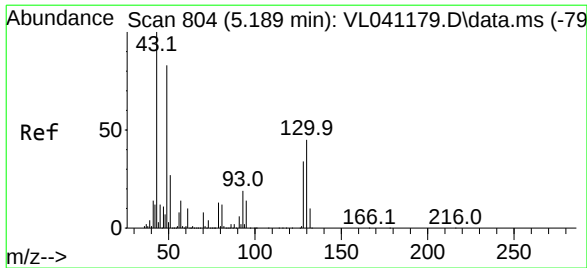
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA02-20240425DUP

Quant Time: May 07 05:23:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
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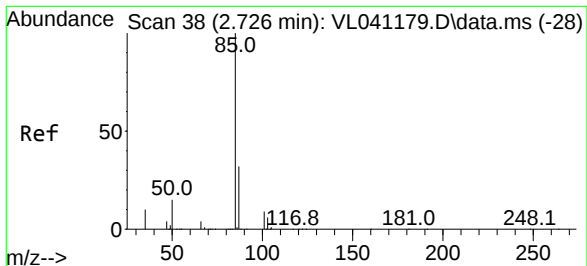
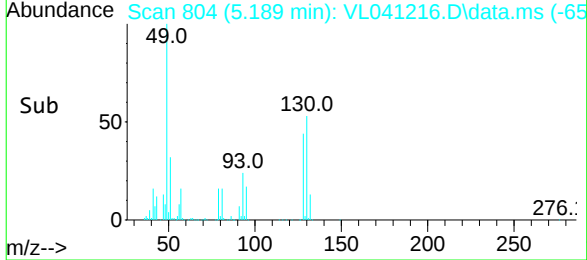
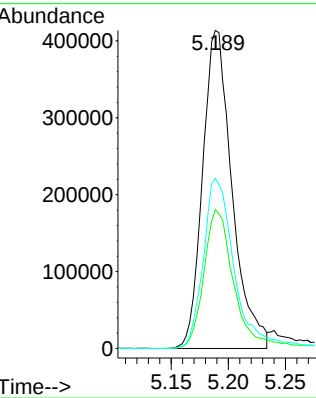
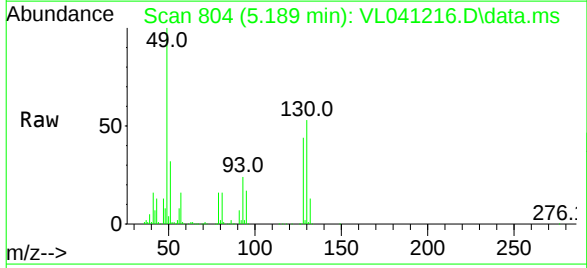
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.006 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

Instrument : MSVOA_L
ClientSampleId : BA-03-IA02-20240425DUP

Tgt Ion: 49 Resp: 741749
Ion Ratio Lower Upper
49 100
128 46.6 21.5 64.5
130 57.8 27.2 81.6

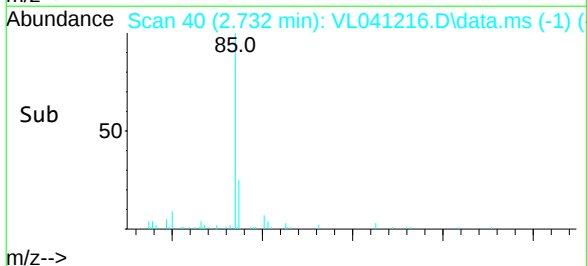
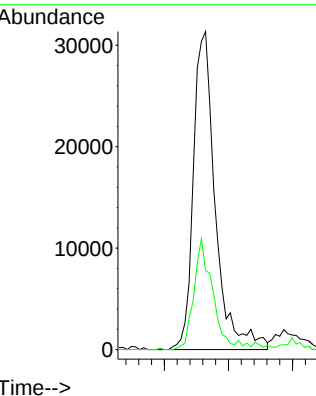
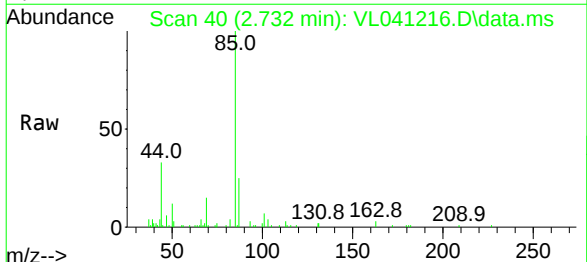
Manual Integrations
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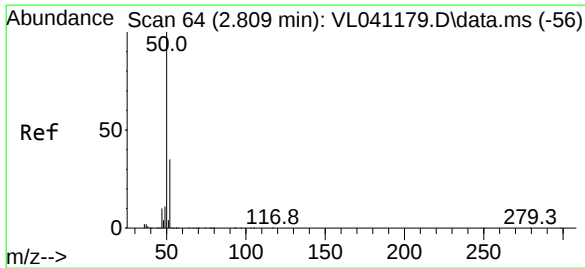
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Supervised By :Mahesh Dadoda 05/07/2024



#2
Dichlorodifluoromethane
Concen: 0.371 ppbv m
RT: 2.732 min Scan# 40
Delta R.T. -0.006 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

Tgt Ion: 85 Resp: 37257
Ion Ratio Lower Upper
85 100
87 24.8 25.7 38.5#





#4

Chloromethane

Concen: 0.211 ppbv m

RT: 2.806 min Scan# 63

Delta R.T. -0.016 min

Lab File: VL041216.D

Acq: 6 May 2024 13:42

Instrument :

MSVOA_L

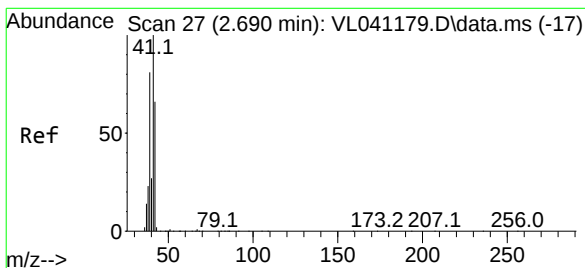
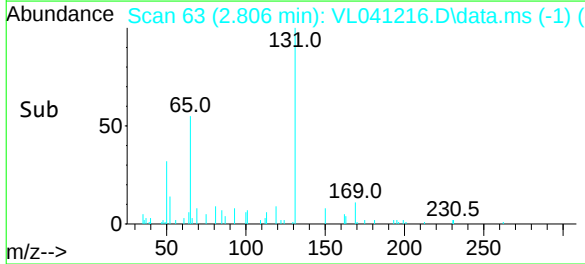
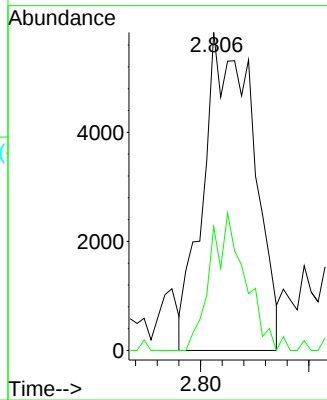
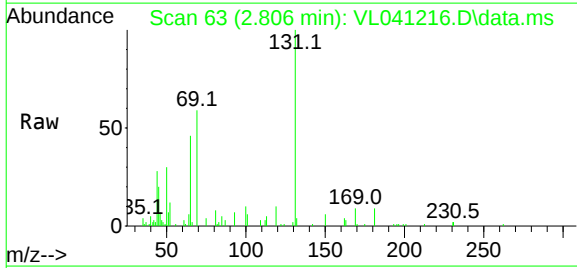
ClientSampleId :

BA-03-IA02-20240425DUP

Tgt Ion: 50 Resp: 9314
Ion Ratio Lower Upper
50 100
52 38.9 28.3 42.5

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#9

Propene

Concen: 0.295 ppbv m

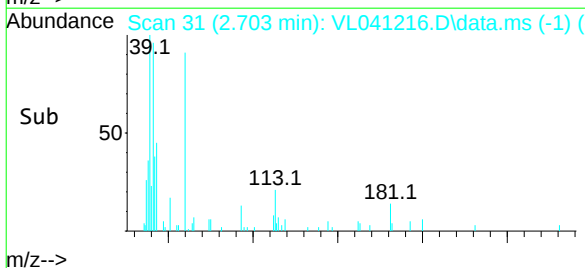
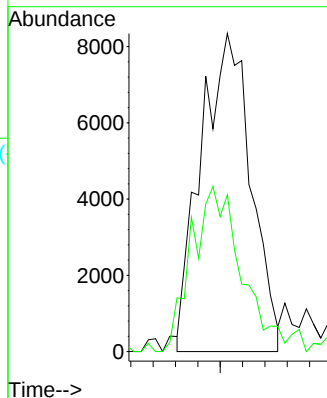
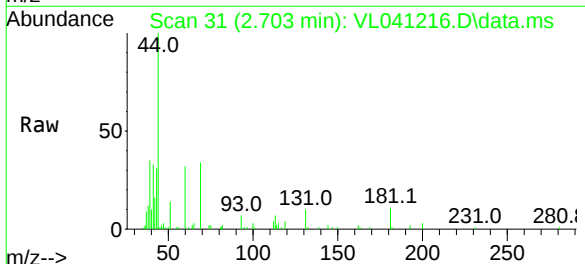
RT: 2.703 min Scan# 31

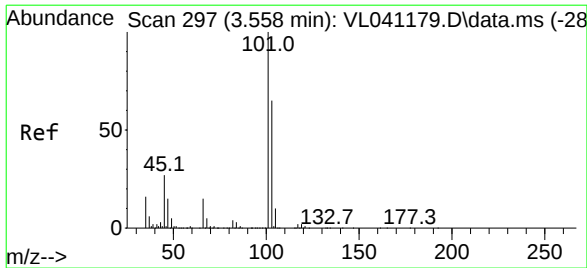
Delta R.T. 0.000 min

Lab File: VL041216.D

Acq: 6 May 2024 13:42

Tgt Ion: 41 Resp: 13004
Ion Ratio Lower Upper
41 100
42 0.0 55.3 82.9





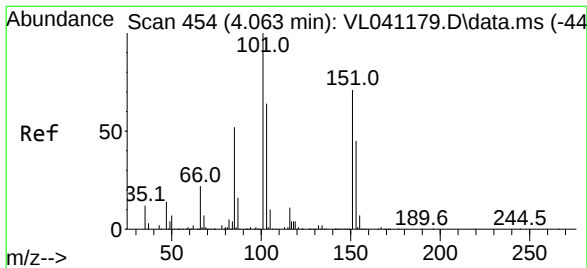
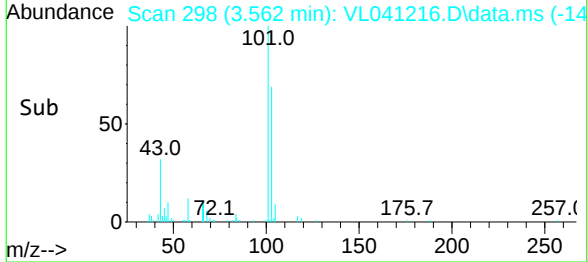
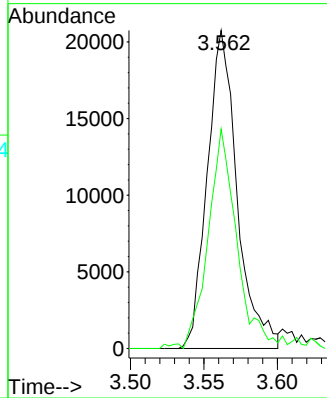
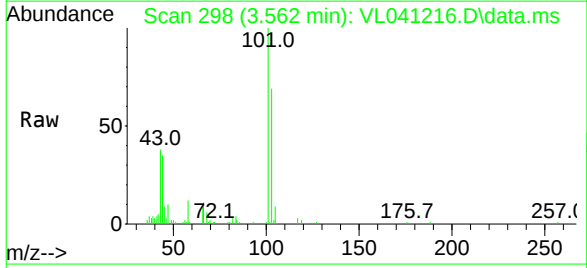
#11
Trichlorofluoromethane
Concen: 0.288 ppbv
RT: 3.562 min Scan# 297
Delta R.T. -0.006 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA02-20240425DUP

Tgt Ion:101 Resp: 29392
Ion Ratio Lower Upper
101 100
103 67.6 51.6 77.4

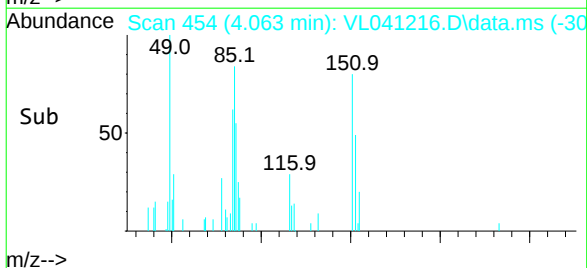
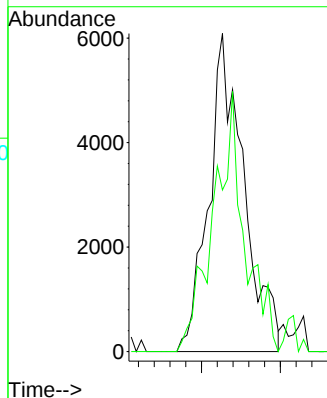
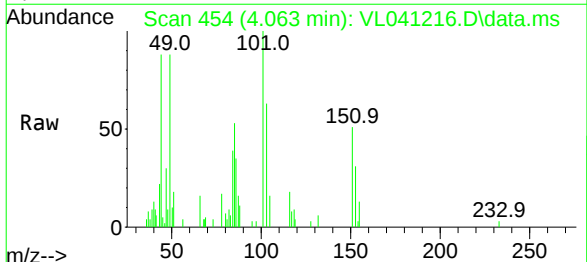
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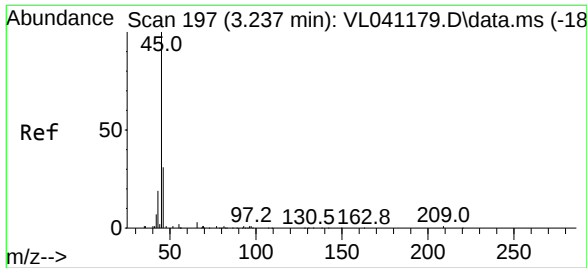
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.125 ppbv m
RT: 4.063 min Scan# 454
Delta R.T. -0.006 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

Tgt Ion:101 Resp: 9394
Ion Ratio Lower Upper
101 100
151 0.0 56.8 85.2#





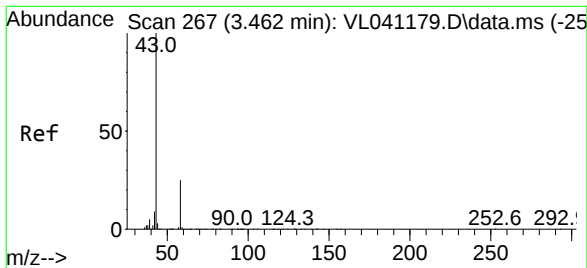
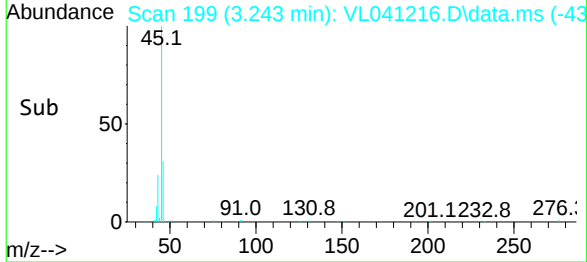
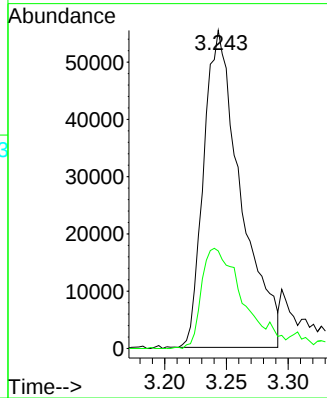
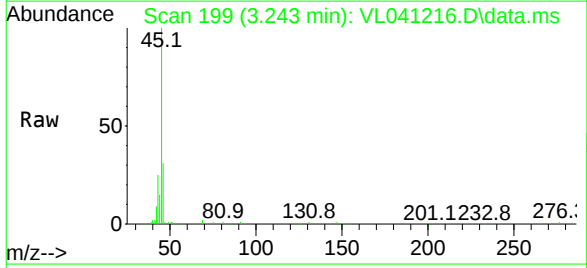
#13
Ethanol
Concen: 11.714 ppbv
RT: 3.243 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA02-20240425DUP

Tgt Ion: 45 Resp: 115772
Ion Ratio Lower Upper
45 100
46 41.0 14.8 59.0

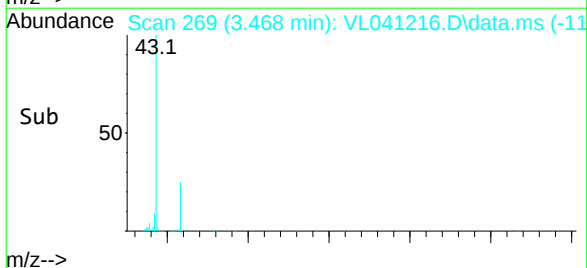
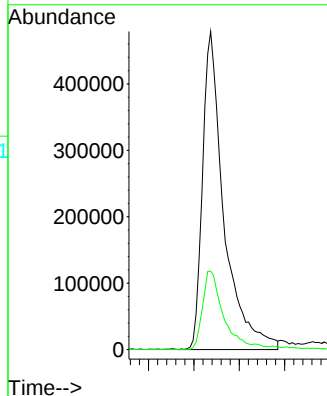
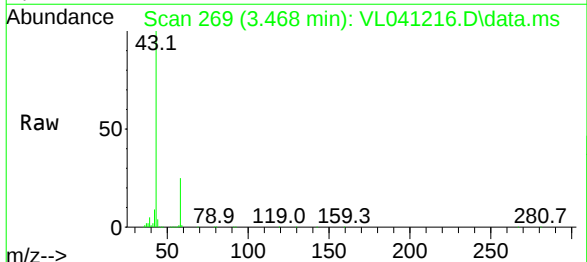
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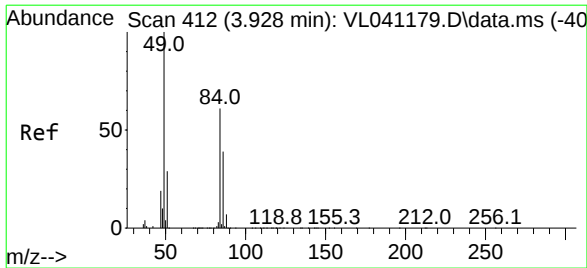
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#15
Acetone
Concen: 8.933 ppbv
RT: 3.468 min Scan# 269
Delta R.T. -0.006 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

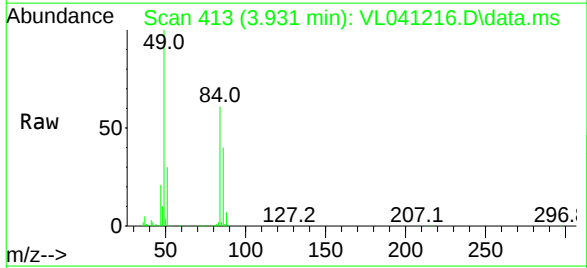
Tgt Ion: 43 Resp: 781982
Ion Ratio Lower Upper
43 100
58 26.5 21.4 32.0





#20
Methylene Chloride
Concen: 24.071 ppbv
RT: 3.931 min Scan# 412
Delta R.T. -0.006 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

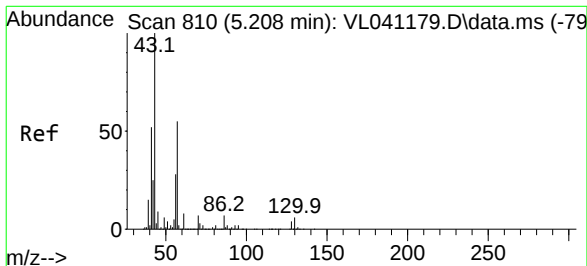
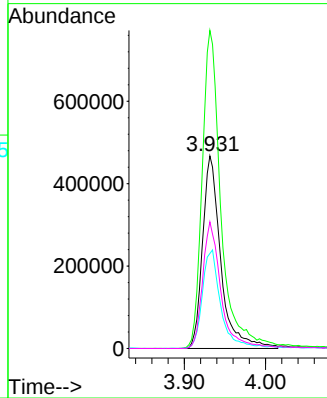
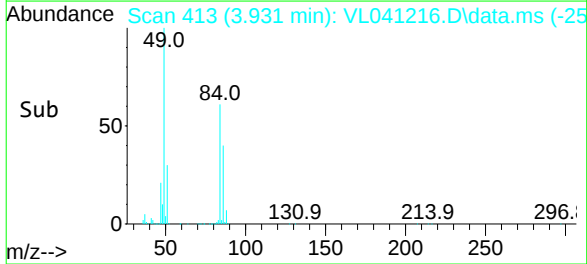
Instrument : MSVOA_L
ClientSampleId : BA-03-IA02-20240425DUP



Tgt Ion: 84 Resp: 732759
Ion Ratio Lower Upper
84 100
49 165.2 130.4 195.6
51 49.3 38.0 57.0
86 65.8 50.3 75.5

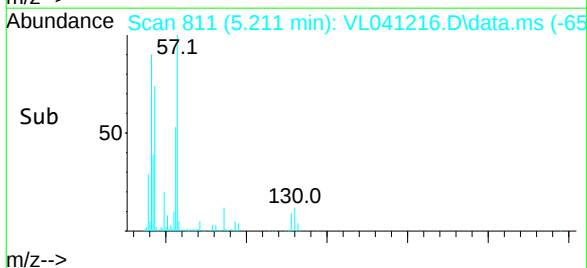
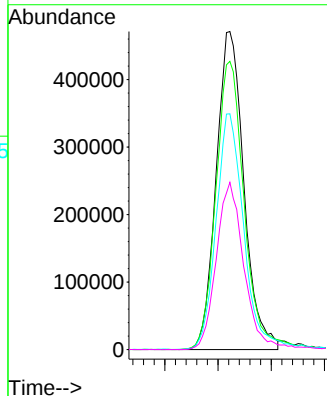
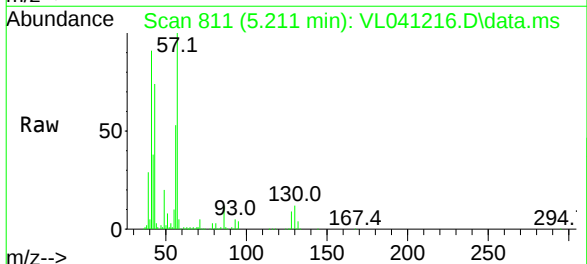
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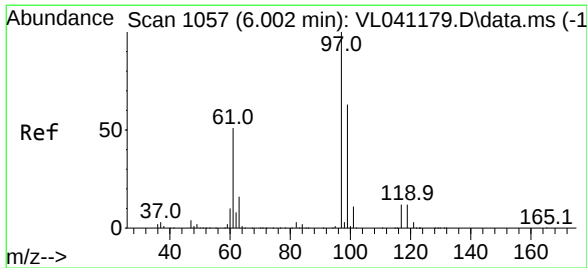
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#26
Hexane
Concen: 10.918 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.003 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

Tgt Ion: 57 Resp: 851325
Ion Ratio Lower Upper
57 100
41 94.1 75.8 113.8
43 75.1 187.0 280.4#
56 53.1 42.7 64.1





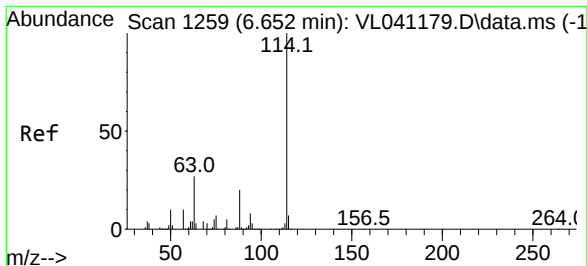
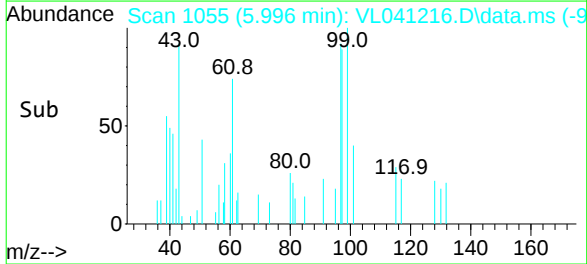
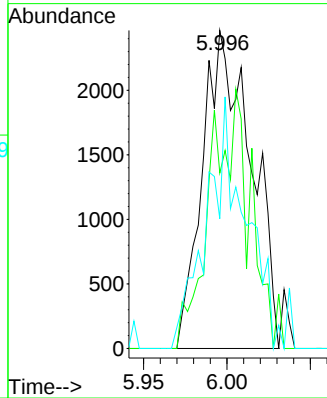
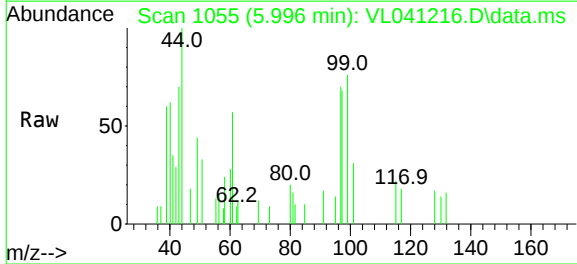
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1,1,1-Trichloroethane
Concen: 0.047 ppbv
RT: 5.996 min Scan# 1055
Delta R.T. -0.009 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

Instrument : MSVOA_L
ClientSampleId : BA-03-IA02-20240425DUP

Tgt Ion: 97	Resp: 4994
Ion Ratio	Lower Upper
97 100	
99 0.0	51.7 77.5
61 64.4	41.1 61.7

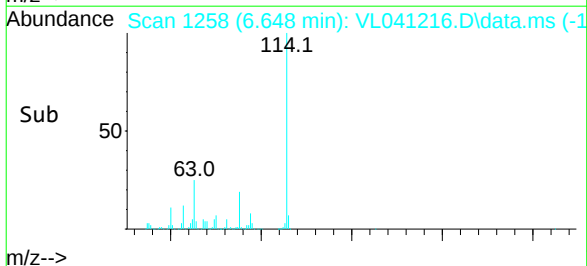
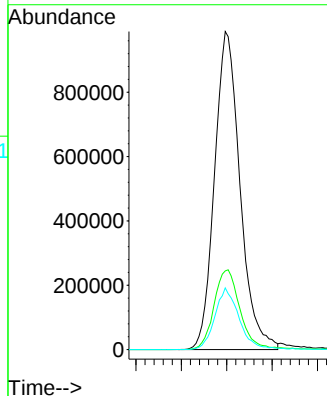
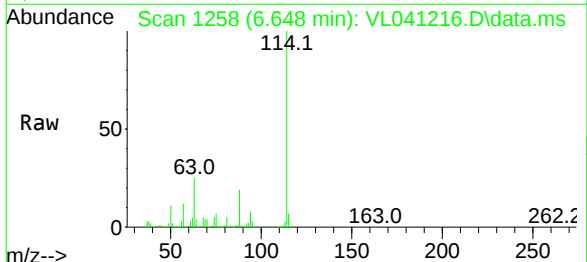
Manual Integrations
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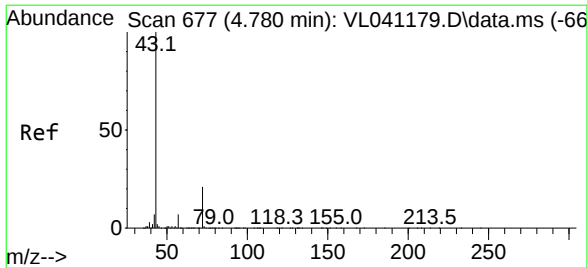
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

Tgt Ion: 114	Resp: 1929621
Ion Ratio	Lower Upper
114 100	
63 26.0	21.8 32.6
88 18.5	15.2 22.8





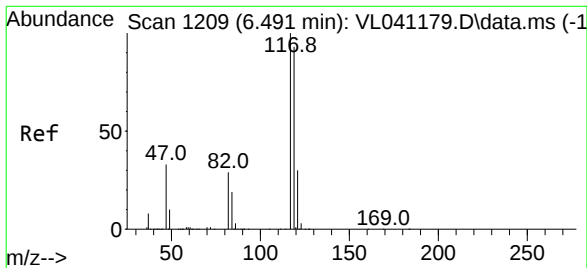
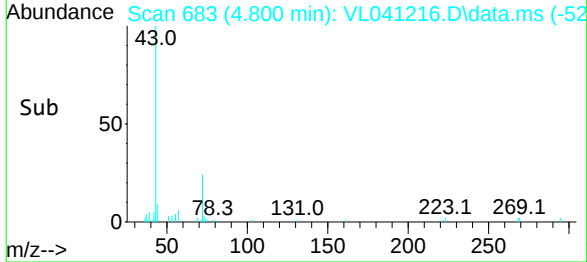
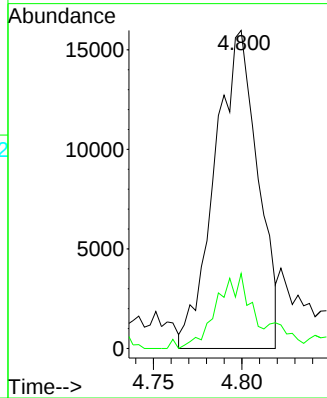
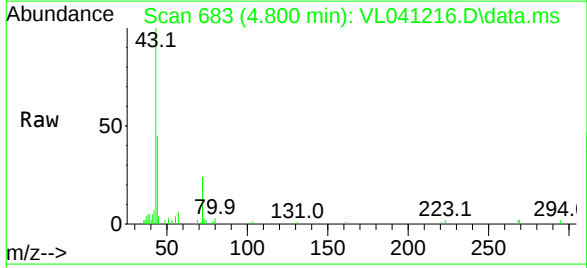
#34
2-Butanone
Concen: 0.275 ppbv m
RT: 4.800 min Scan# 68
Delta R.T. 0.013 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA02-20240425DUP

Tgt Ion: 43 Resp: 26966
Ion Ratio Lower Upper
43 100
72 25.3 17.3 25.9

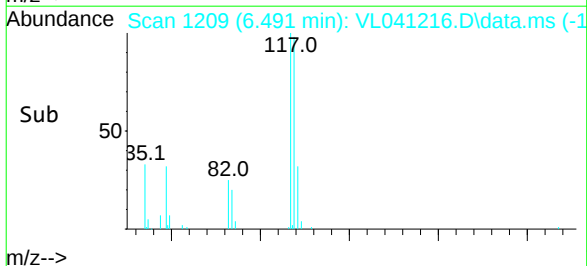
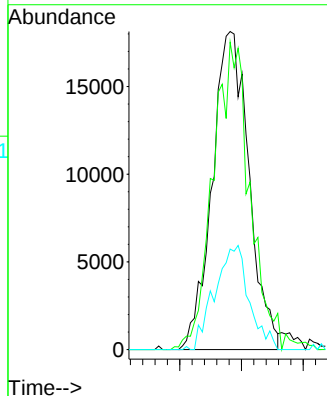
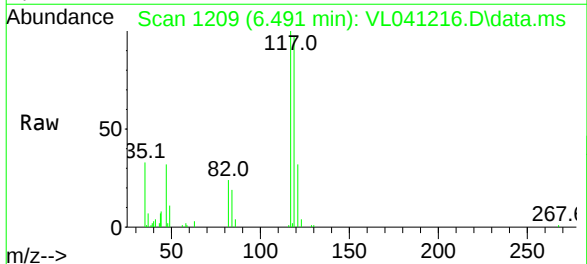
Manual Integrations
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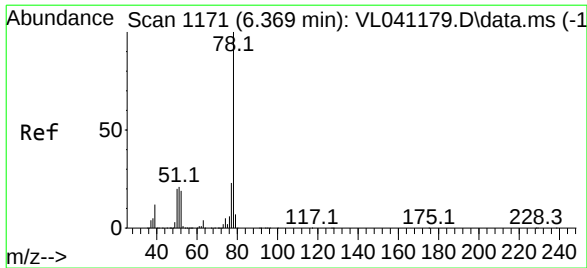
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#35
Carbon Tetrachloride
Concen: 0.345 ppbv
RT: 6.491 min Scan# 1209
Delta R.T. -0.003 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

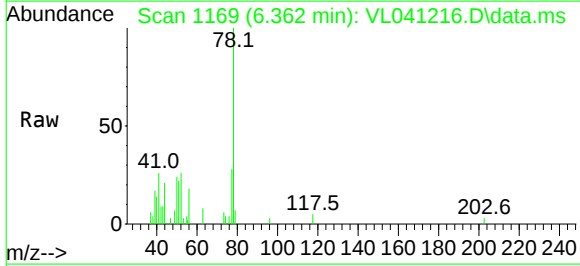
Tgt Ion:117 Resp: 37415
Ion Ratio Lower Upper
117 100
119 95.8 74.3 111.5
121 31.6 23.8 35.8





#36
Benzene
Concen: 0.072 ppbv m
RT: 6.362 min Scan# 11702
Delta R.T. -0.009 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

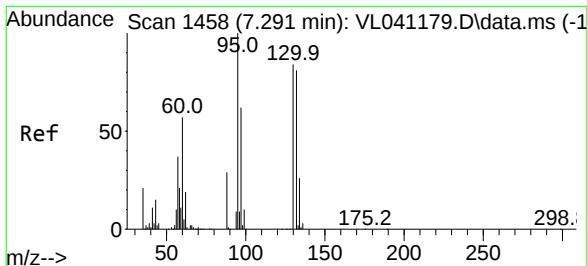
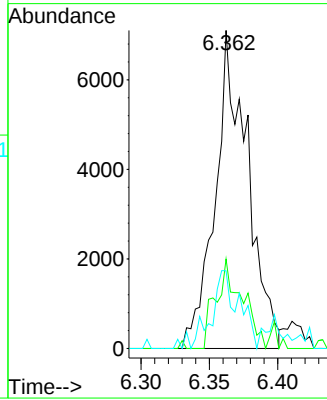
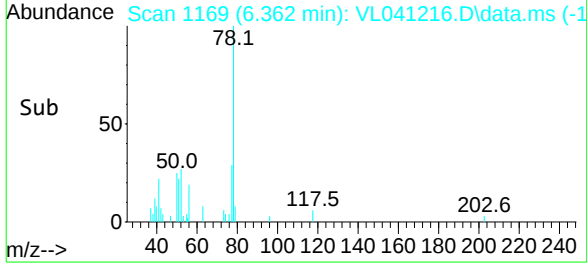
Instrument : MSVOA_L
ClientSampleId : BA-03-IA02-20240425DUP



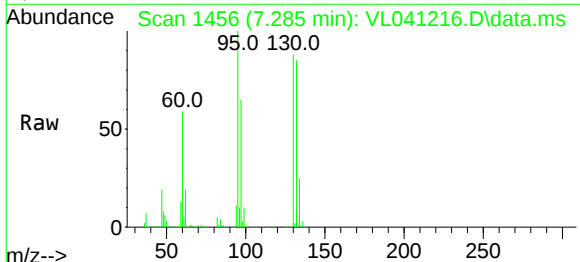
Tgt Ion: 78 Resp: 11702
Ion Ratio Lower Upper
78 100
77 28.1 18.3 27.5#
50 24.4 15.9 23.9#

Manual Integrations
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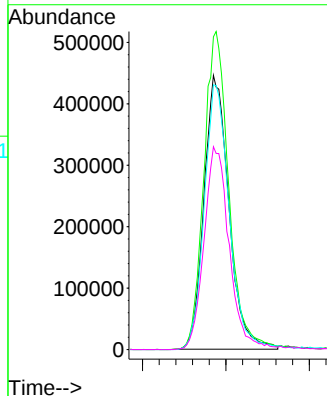
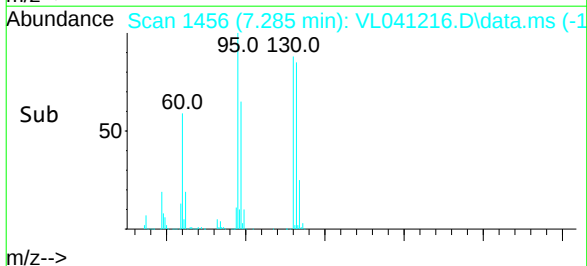
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024

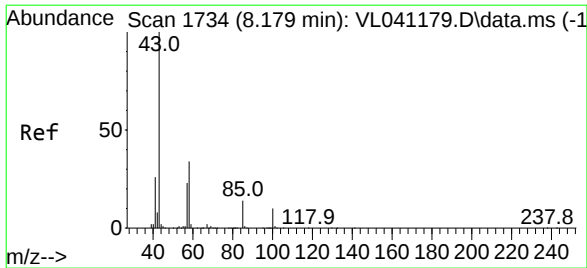


#38
Trichloroethene
Concen: 15.311 ppbv
RT: 7.285 min Scan# 1456
Delta R.T. -0.006 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42



Tgt Ion:130 Resp: 923929
Ion Ratio Lower Upper
130 100
95 113.9 95.0 142.6
132 96.6 77.0 115.4
97 73.8 59.1 88.7





#50

4-Methyl-2-Pentanone

Concen: 0.101 ppbv m

RT: 8.211 min Scan# 1734

Delta R.T. 0.032 min

Lab File: VL041216.D

Acq: 6 May 2024 13:42

Instrument :

MSVOA_L

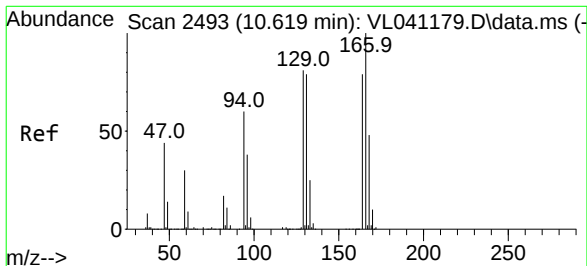
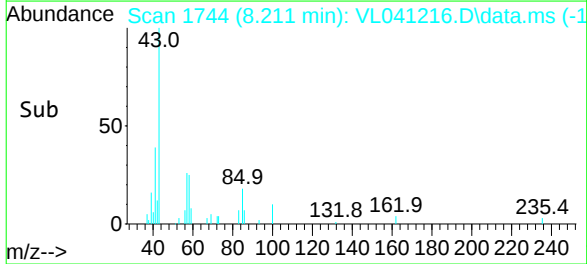
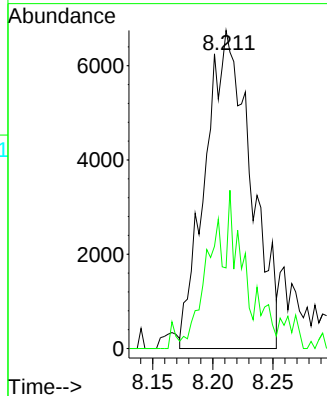
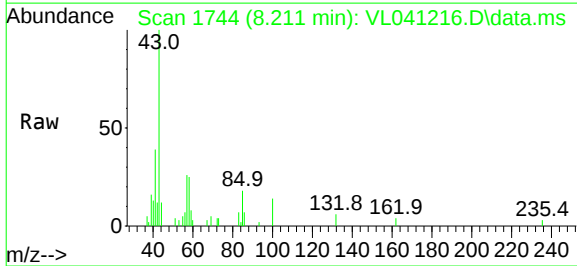
ClientSampleId :

BA-03-IA02-20240425DUP

Tgt Ion: 43 Resp: 17847
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.7 41.5#

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/07/2024
 Supervised By :Mahesh Dadoda 05/07/2024



#52

Tetrachloroethene

Concen: 1.145 ppbv m

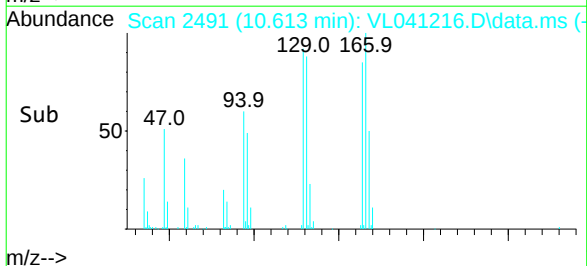
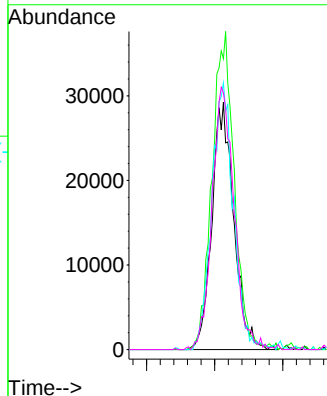
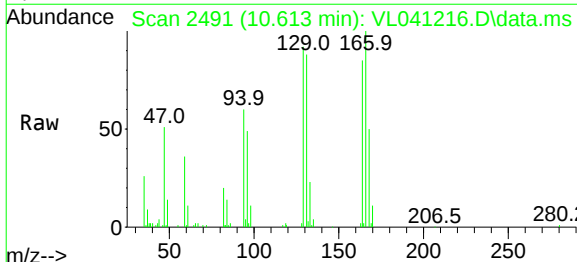
RT: 10.613 min Scan# 2491

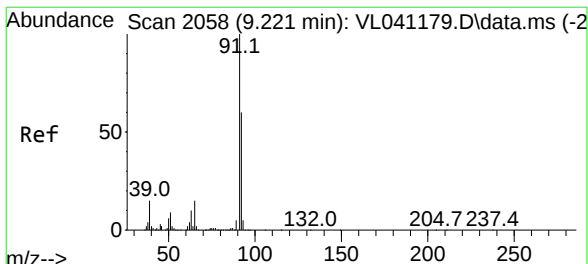
Delta R.T. 0.000 min

Lab File: VL041216.D

Acq: 6 May 2024 13:42

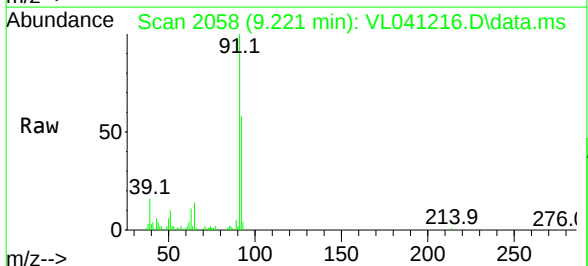
Tgt Ion:164 Resp: 65154
 Ion Ratio Lower Upper
 164 100
 166 117.5 101.1 151.7
 129 107.7 81.7 122.5
 131 103.8 80.4 120.6





#53
Toluene
Concen: 0.546 ppbv m
RT: 9.221 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

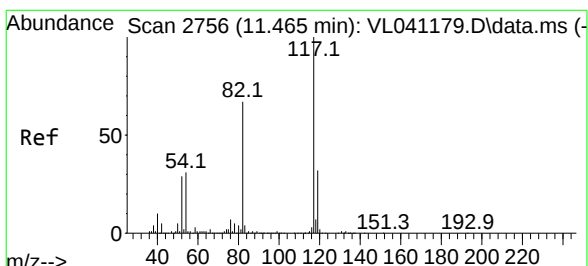
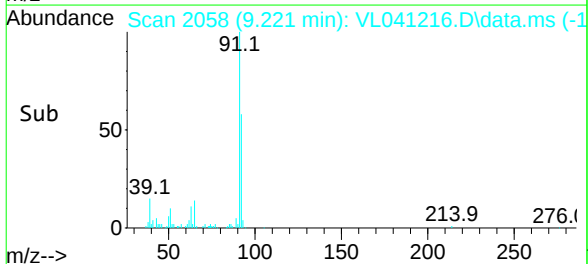
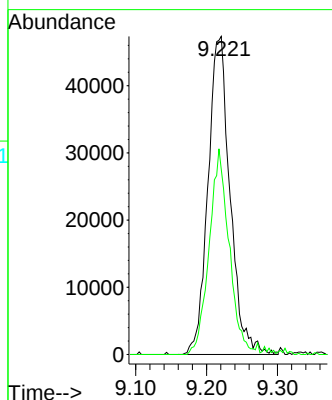
Instrument : MSVOA_L
ClientSampleId : BA-03-IA02-20240425DUP



Tgt Ion:	91	Resp:	102489
Ion	Ratio	Lower	Upper
91	100		
92	59.5	48.2	72.4

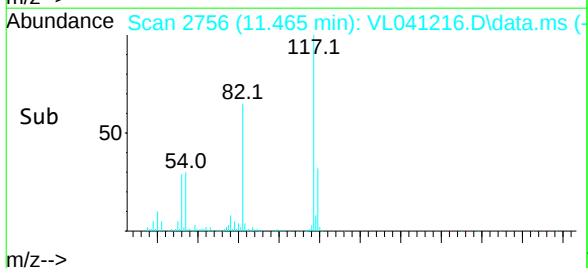
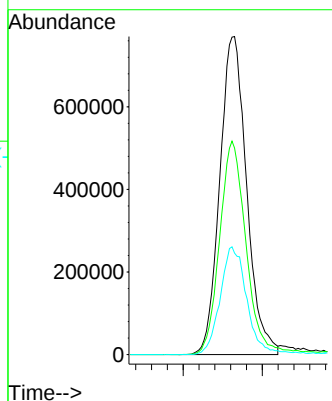
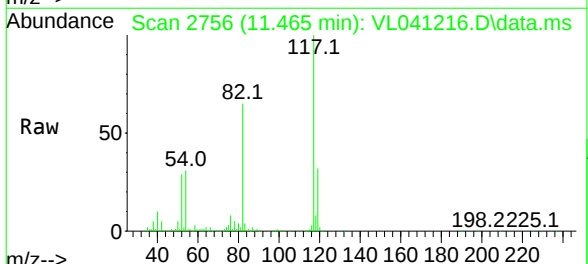
Manual Integrations
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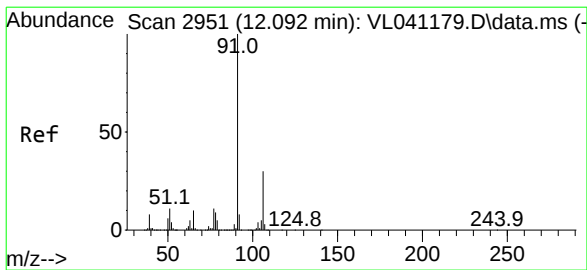
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

Tgt Ion:	117	Resp:	1814878
Ion	Ratio	Lower	Upper
117	100		
82	66.7	53.6	80.4
119	34.0	27.2	40.8





#58

Ethyl Benzene

Concen: 0.070 ppbv m

RT: 12.082 min Scan# 29

Delta R.T. -0.003 min

Lab File: VL041216.D

Acq: 6 May 2024 13:42

Instrument :

MSVOA_L

ClientSampleId :

BA-03-IA02-20240425DUP

Tgt Ion: 91 Resp: 17466

Ion Ratio Lower Upper

91 100

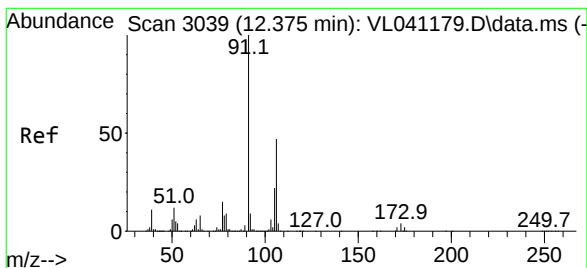
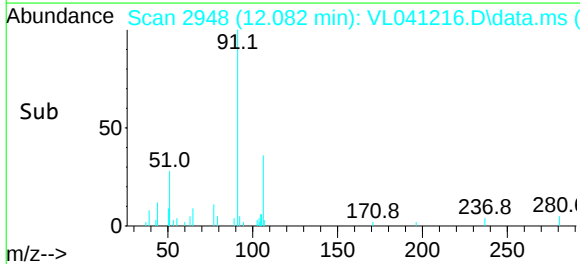
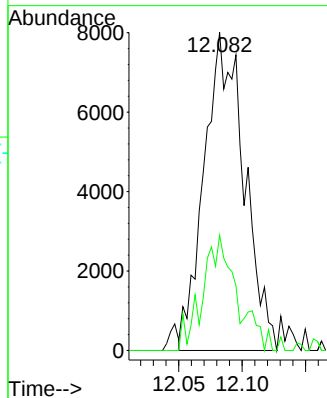
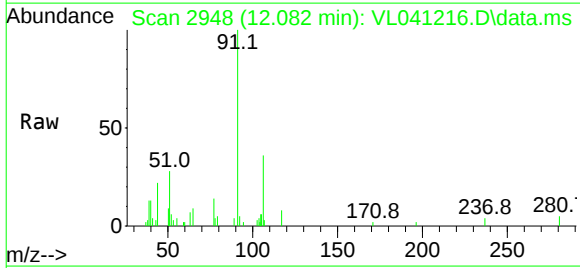
106 36.2 24.3 36.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2024

Supervised By :Mahesh Dadoda 05/07/2024



#59

m/p-Xylene

Concen: 0.174 ppbv m

RT: 12.356 min Scan# 3033

Delta R.T. -0.013 min

Lab File: VL041216.D

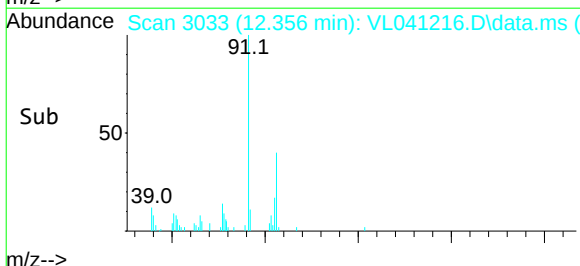
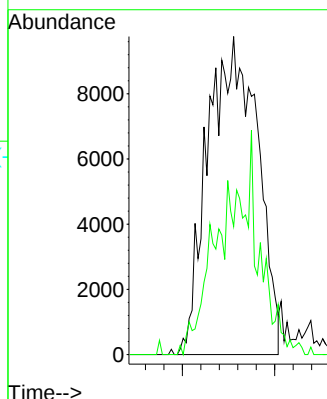
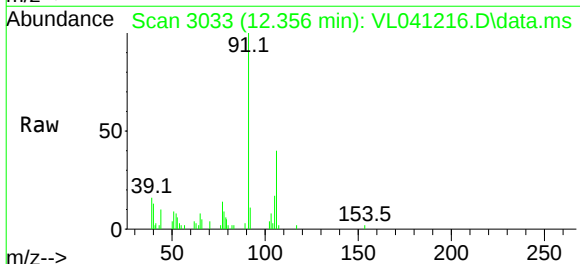
Acq: 6 May 2024 13:42

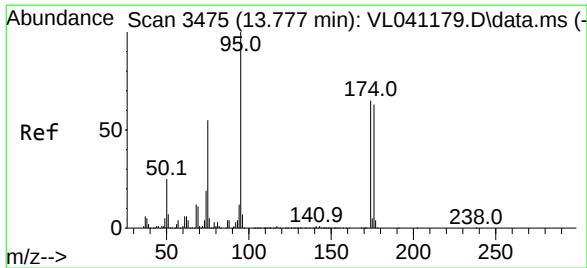
Tgt Ion: 91 Resp: 36446

Ion Ratio Lower Upper

91 100

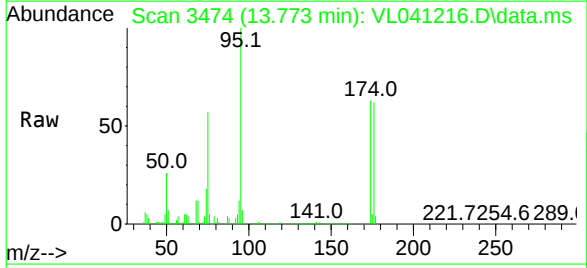
106 51.5 35.7 53.5





#68
1-Bromo-4-Fluorobenzene
Concen: 10.049 ppbv
RT: 13.773 min Scan# 3475
Delta R.T. 0.000 min
Lab File: VL041216.D
Acq: 6 May 2024 13:42

Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA02-20240425DUP



Tgt Ion: 95 Resp: 1376801

Ion	Ratio	Lower	Upper
95	100		
174	66.7	53.6	80.4
175	5.0	4.2	6.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024

