

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040941.D
 Acq On : 21 Dec 2023 22:19
 Operator : SY/MD
 Sample : 05848-01DL2 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL2

Quant Time: Dec 22 00:12:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Dec 21 07:32:42 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/22/2023
 Supervised By : Mahesh Dadoda 12/26/2023

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

Internal Standards						
1) Bromochloromethane	5.185	49	1272963	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3358818	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2925615	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.738	95	2155355	10.002	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.000%	
Target Compounds						
					Qvalue	
13) Ethanol	3.279	45	3963m	0.249	ppbv	
15) Acetone	3.497	43	92723	0.607	ppbv #	87
20) Methylene Chloride	3.941	84	13544	0.249	ppbv	89
25) Ethyl Acetate	5.205	43	39879	0.151	ppbv #	80
26) Hexane	5.205	57	55224	0.471	ppbv #	35
34) 2-Butanone	4.806	43	68751	0.387	ppbv	93
38) Trichloroethene	7.272	130	145903	1.479	ppbv	94
52) Tetrachloroethene	10.587	164	3174237	35.887	ppbv	95

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

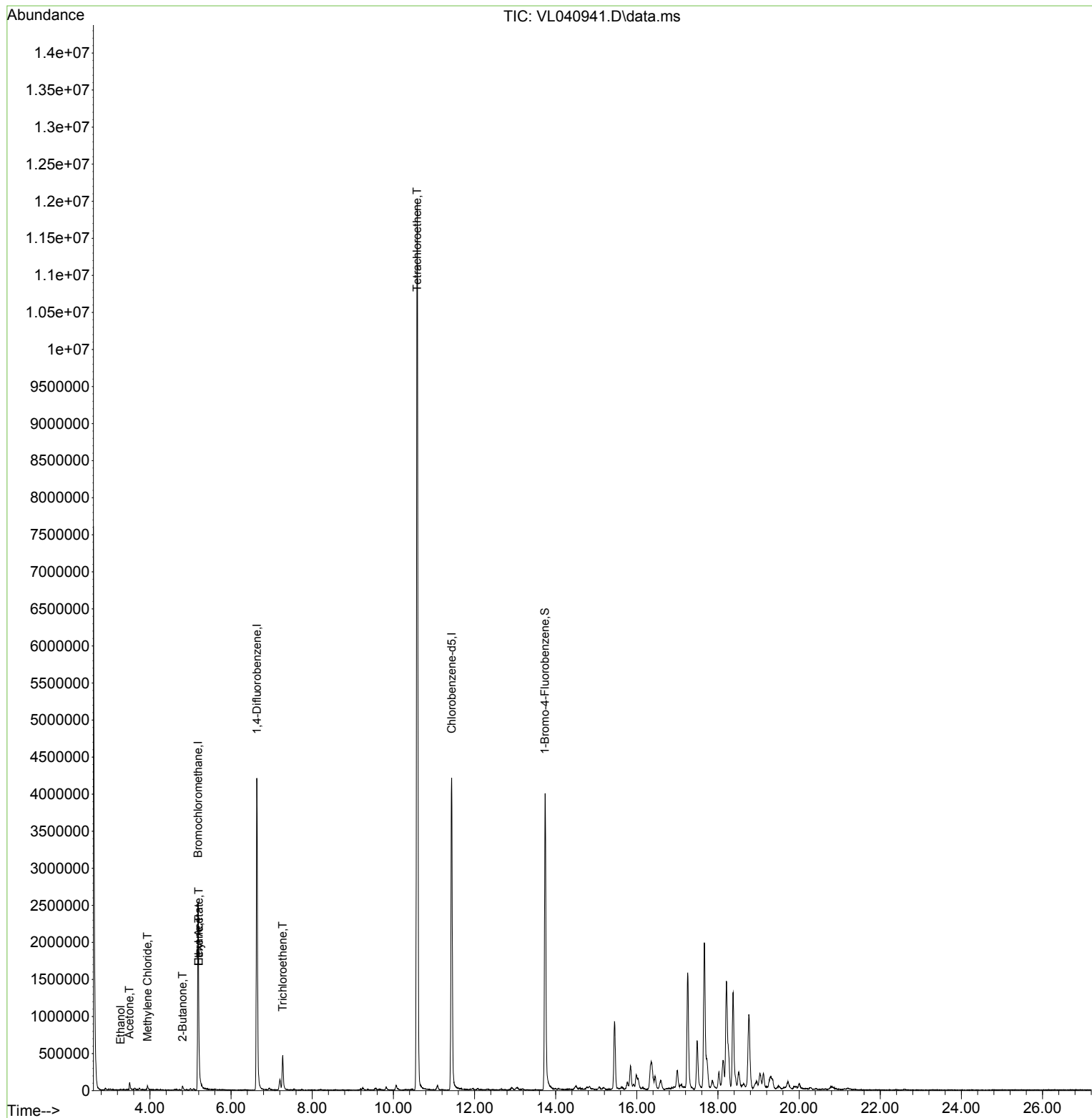
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040941.D
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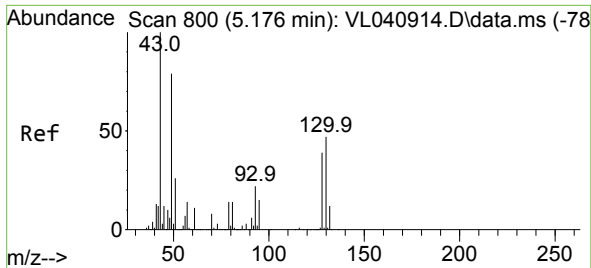
Instrument :
MSVOA_L
ClientSampleId :
SV2DL2

Quant Time: Dec 22 00:12:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 21 07:32:42 2023
Response via : Initial Calibration

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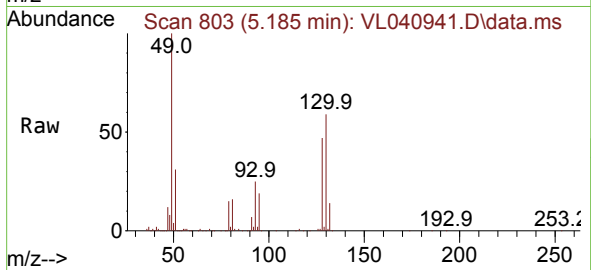
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

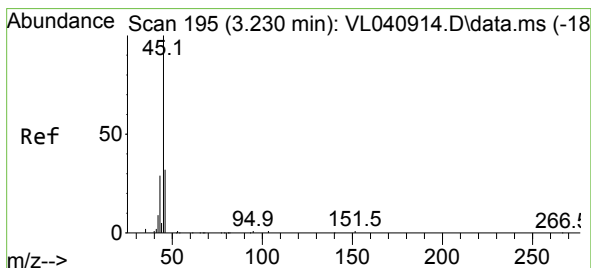
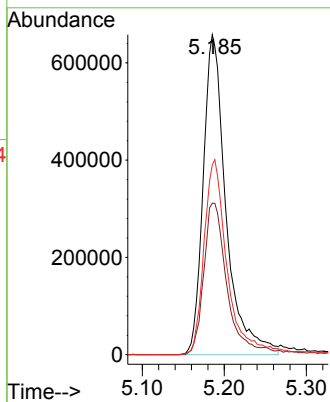
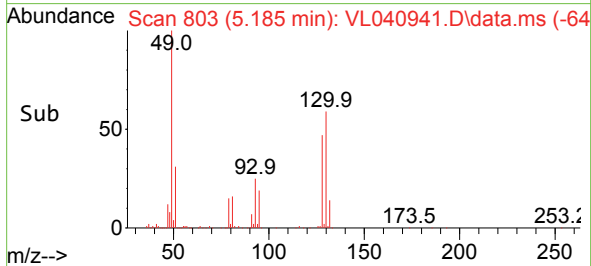
Instrument :
MSVOA_L
ClientSampleId :
SV2DL2



Tgt Ion: 49 Resp: 127296
Ion Ratio Lower Upper
49 100
128 49.9 23.8 71.2
130 63.5 30.1 90.5

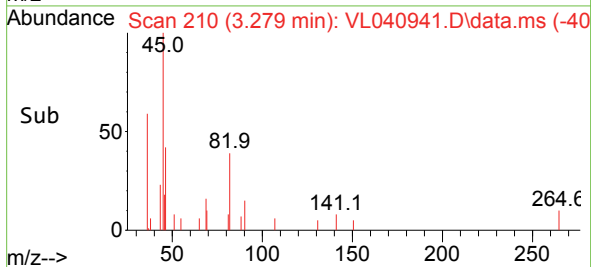
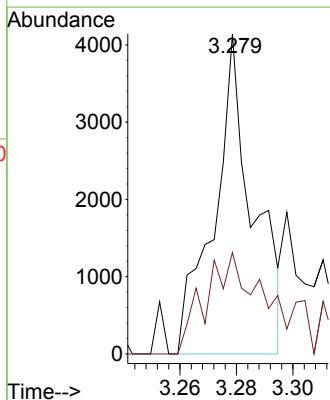
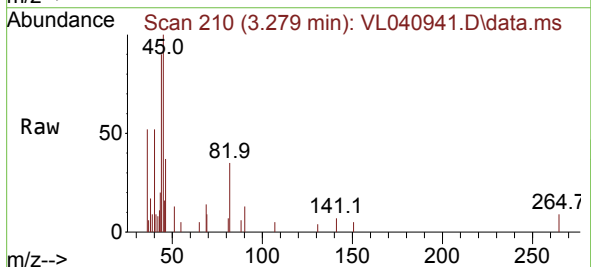
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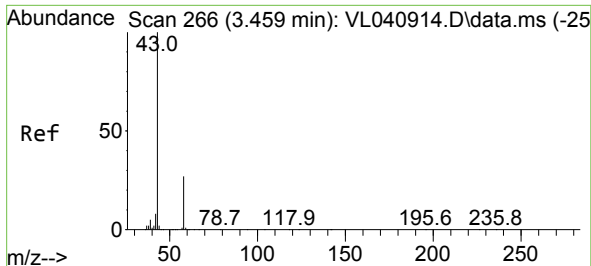
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#13
Ethanol
Concen: 0.249 ppbv m
RT: 3.279 min Scan# 210
Delta R.T. 0.048 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

Tgt Ion: 45 Resp: 3963
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.0#





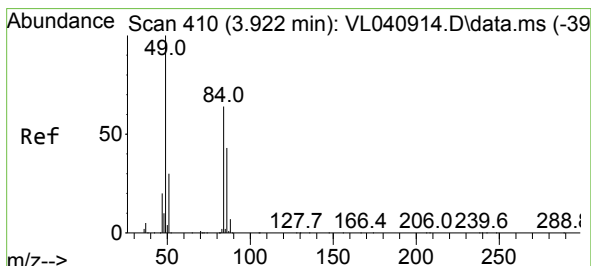
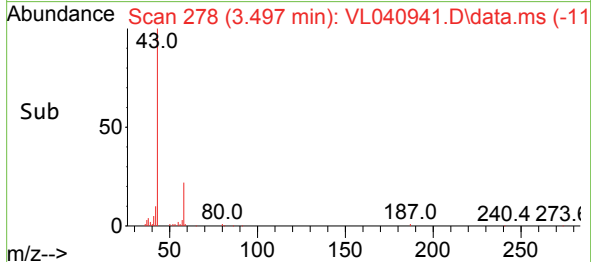
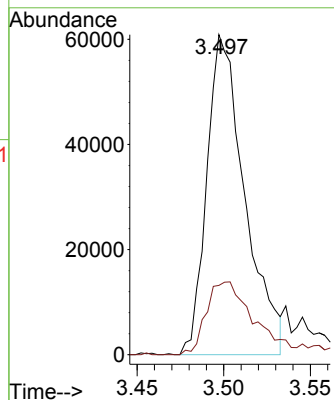
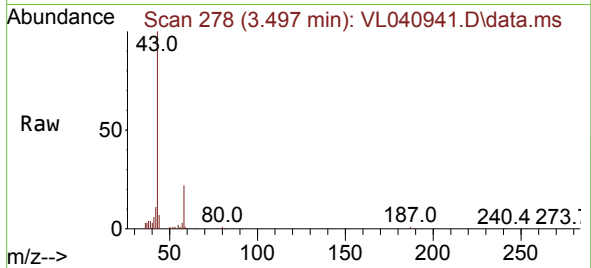
#15
Acetone
Concen: 0.607 ppbv
RT: 3.497 min Scan# 21
Delta R.T. 0.039 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

Instrument :
MSVOA_L
ClientSampleId :
SV2DL2

Tgt Ion: 43 Resp: 9272
Ion Ratio Lower Upper
43 100
58 32.1 20.6 30.8

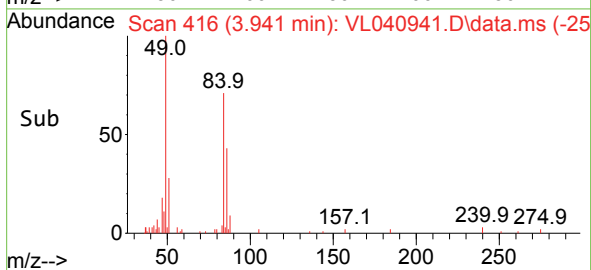
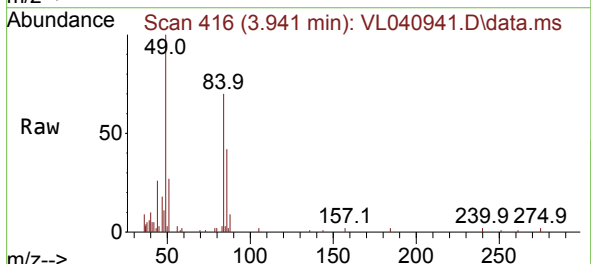
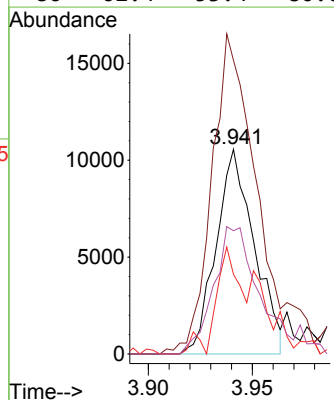
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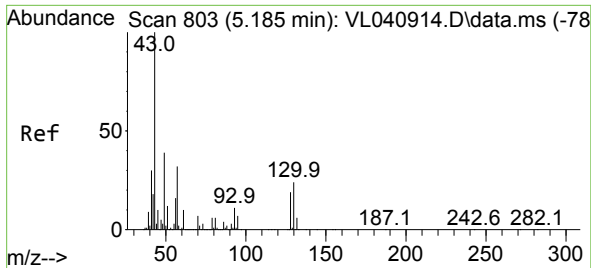
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#20
Methylene Chloride
Concen: 0.249 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.019 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

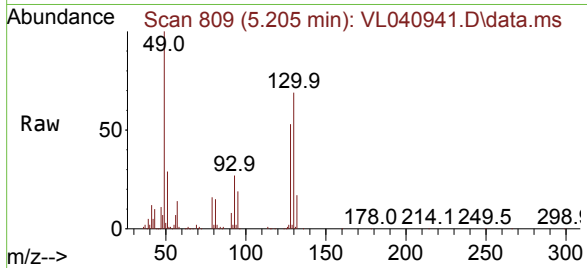
Tgt Ion: 84 Resp: 13544
Ion Ratio Lower Upper
84 100
49 138.1 124.6 187.0
51 38.9 37.2 55.8
86 62.4 53.4 80.0





#25
Ethyl Acetate
Concen: 0.151 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.019 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

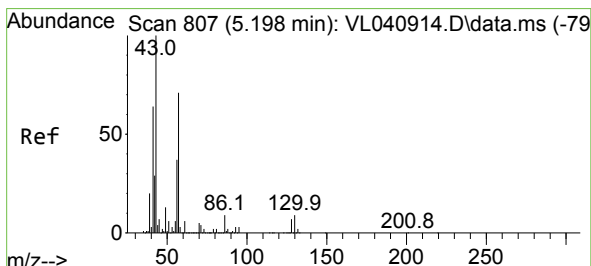
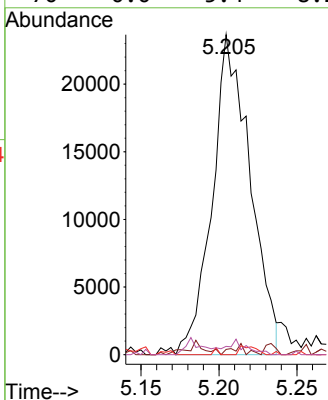
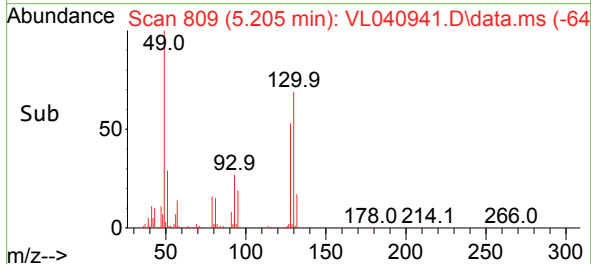
Instrument :
MSVOA_L
ClientSampleId :
SV2DL2



Tgt Ion: 43 Resp: 39879
Ion Ratio Lower Upper
43 100
45 3.1 8.2 12.2
61 1.5 7.6 11.4
70 0.0 5.4 8.2

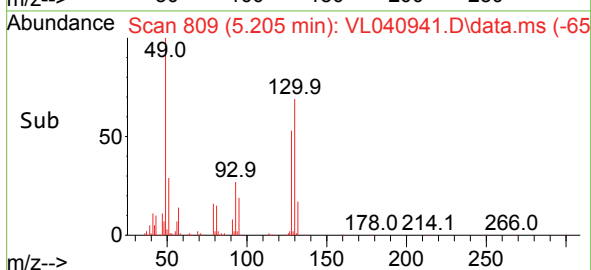
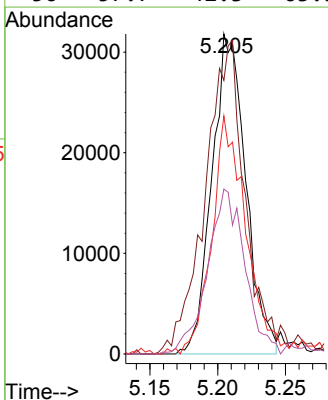
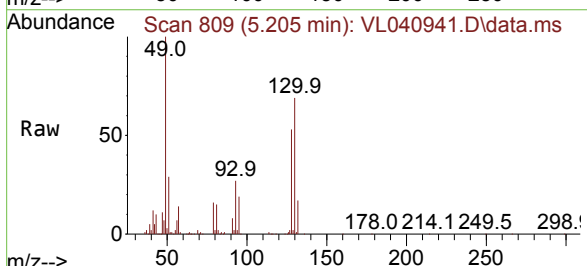
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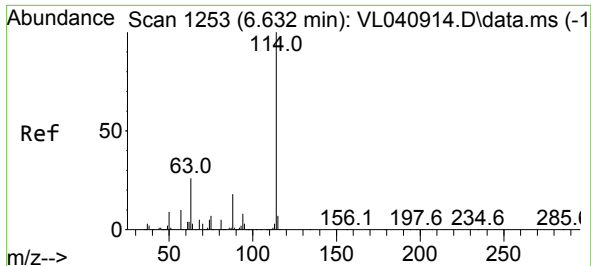
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#26
Hexane
Concen: 0.471 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.006 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

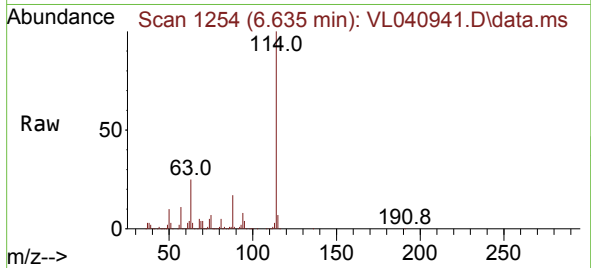
Tgt Ion: 57 Resp: 55224
Ion Ratio Lower Upper
57 100
41 121.6 75.2 112.8#
43 79.2 188.0 282.0#
56 57.7 42.3 63.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

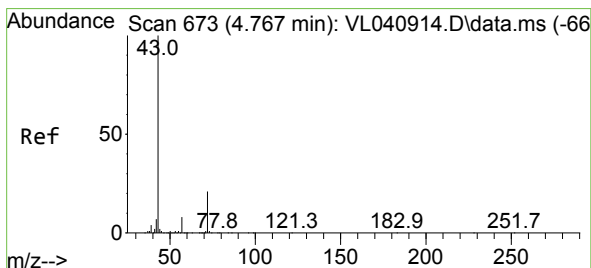
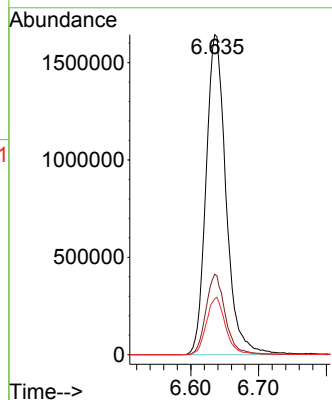
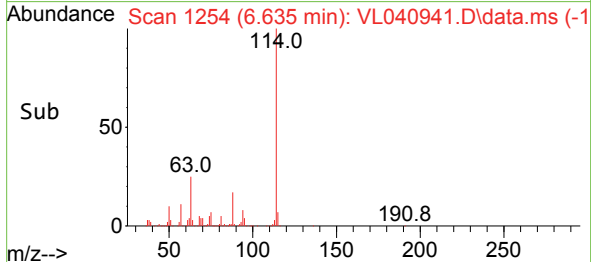
Instrument :
MSVOA_L
ClientSampleId :
SV2DL2



Tgt Ion:114 Resp: 3358818
Ion Ratio Lower Upper
114 100
63 24.4 21.0 31.6
88 17.4 14.3 21.5

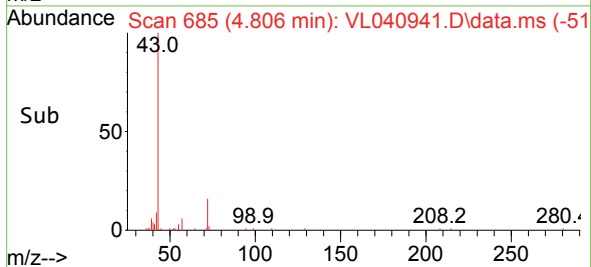
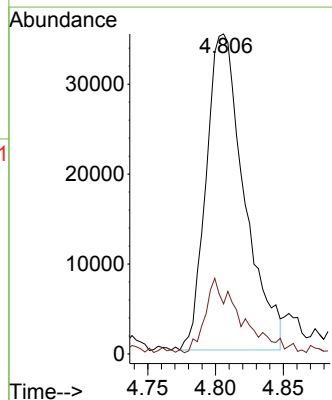
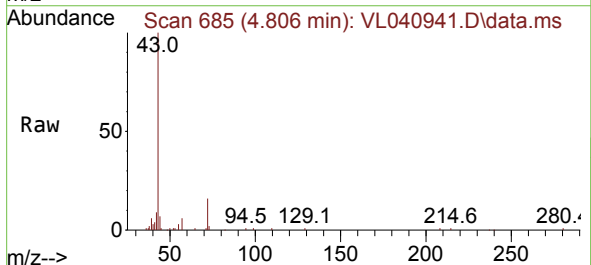
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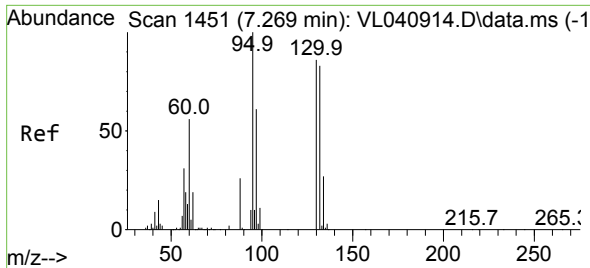
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#34
2-Butanone
Concen: 0.387 ppbv
RT: 4.806 min Scan# 685
Delta R.T. 0.039 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

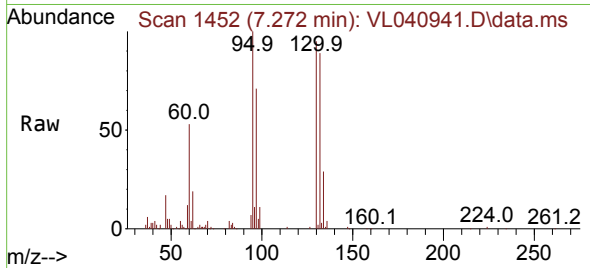
Tgt Ion: 43 Resp: 68751
Ion Ratio Lower Upper
43 100
72 24.8 17.2 25.8





#38
 Trichloroethene
 Concen: 1.479 ppbv
 RT: 7.272 min Scan# 1452
 Delta R.T. 0.003 min
 Lab File: VL040941.D
 Acq: 21 Dec 2023 22:19

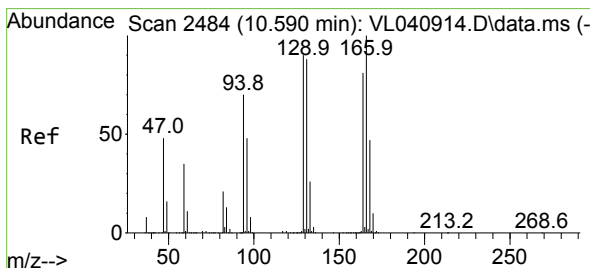
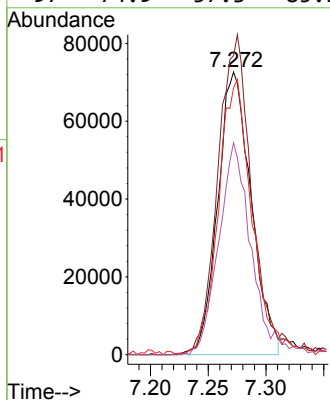
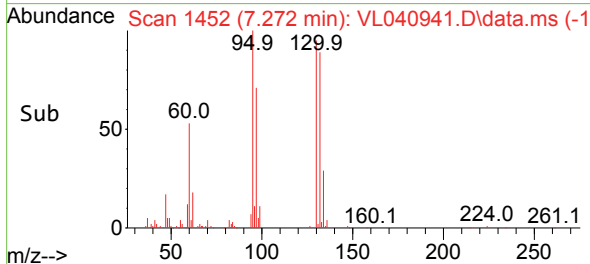
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL2



Tgt Ion:130 Resp: 14590
 Ion Ratio Lower Upper
 130 100
 95 105.4 93.5 140.3
 132 93.9 77.4 116.2
 97 74.9 57.3 85.9

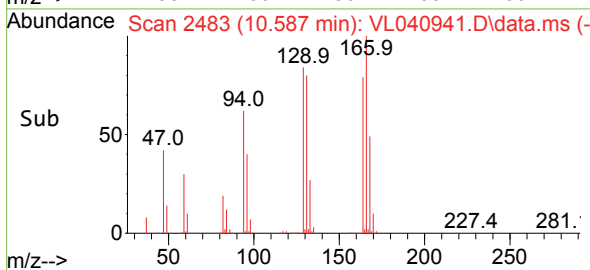
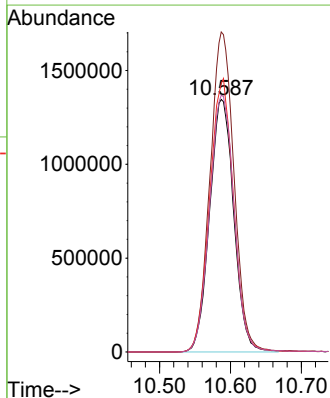
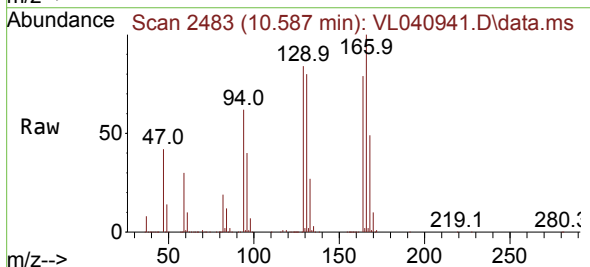
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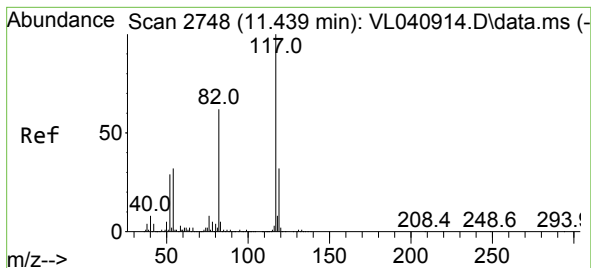
Reviewed By :Semsettin Yesilyurt 12/22/2023
 Supervised By :Mahesh Dadoda 12/26/2023



#52
 Tetrachloroethene
 Concen: 35.887 ppbv
 RT: 10.587 min Scan# 2483
 Delta R.T. -0.003 min
 Lab File: VL040941.D
 Acq: 21 Dec 2023 22:19

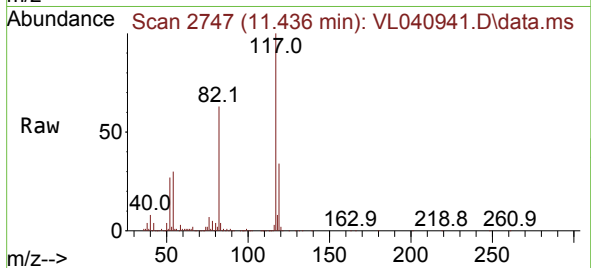
Tgt Ion:164 Resp: 3174237
 Ion Ratio Lower Upper
 164 100
 166 126.7 98.9 148.3
 129 106.3 88.7 133.1
 131 101.7 87.1 130.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19

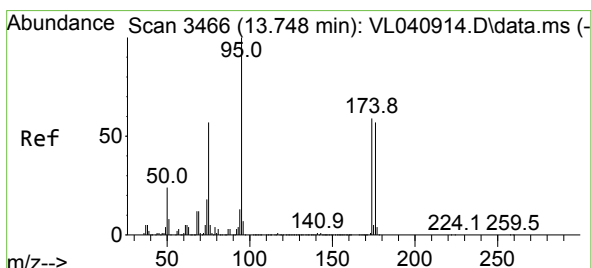
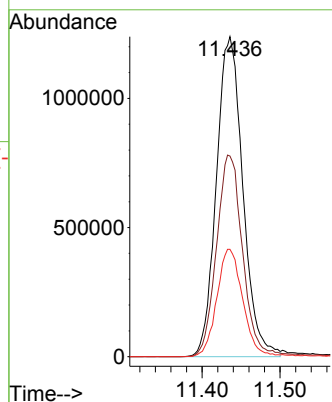
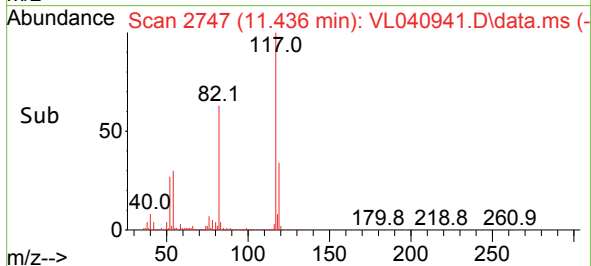
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SV2DL2



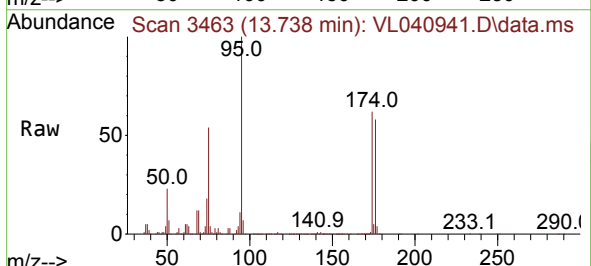
Tgt Ion:117 Resp: 292561
Ion Ratio Lower Upper
117 100
82 63.6 49.6 74.4
119 33.6 23.4 35.0

Manual Integrations
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Supervised By :Mahesh Dadoda 12/26/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.002 ppbv
RT: 13.738 min Scan# 3463
Delta R.T. -0.010 min
Lab File: VL040941.D
Acq: 21 Dec 2023 22:19



Tgt Ion: 95 Resp: 2155355
Ion Ratio Lower Upper
95 100
174 63.9 48.0 72.0
175 4.8 3.7 5.5

