

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
 Data File : VL040975.D
 Acq On : 15 Jan 2024 18:13
 Operator : SY/MD
 Sample : P1138-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/16/2024
 Supervised By :Mahesh Dadoda 01/16/2024

Quant Time: Jan 16 03:39:55 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Tue Jan 16 03:31:29 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1356798	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.645	114	3596739	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	3173128	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	2329237	9.966	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%
Target Compounds						Qvalue
9) Propene	2.716	41	35982	0.534	ppbv	85
10) Heptane	7.565	43	30864m	0.184	ppbv	
13) Ethanol	3.279	45	8690m	0.511	ppbv	
15) Acetone	3.481	43	308482	1.896	ppbv	93
20) Methylene Chloride	3.941	84	53197	0.917	ppbv #	87
25) Ethyl Acetate	5.214	43	56792	0.201	ppbv #	77
26) Hexane	5.218	57	79763	0.638	ppbv #	39
32) 1,1,1-Trichloroethane	5.996	97	60772m	0.298	ppbv	
34) 2-Butanone	4.790	43	521372	2.740	ppbv	97
38) Trichloroethene	7.282	130	99265	0.940	ppbv	97
51) 2-Hexanone	9.561	43	38526m	0.186	ppbv	
53) Toluene	9.208	91	52472	0.168	ppbv	100
58) Ethyl Benzene	12.073	91	33052m	0.081	ppbv	
59) m/p-Xylene	12.323	91	111225m	0.321	ppbv	
60) o-Xylene	13.040	91	47756	0.146	ppbv	96
73) 1,3,5-Trimethylbenzene	15.339	105	29971m	0.097	ppbv	
74) 1,2,4-Trimethylbenzene	16.089	105	67489	0.196	ppbv #	70

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

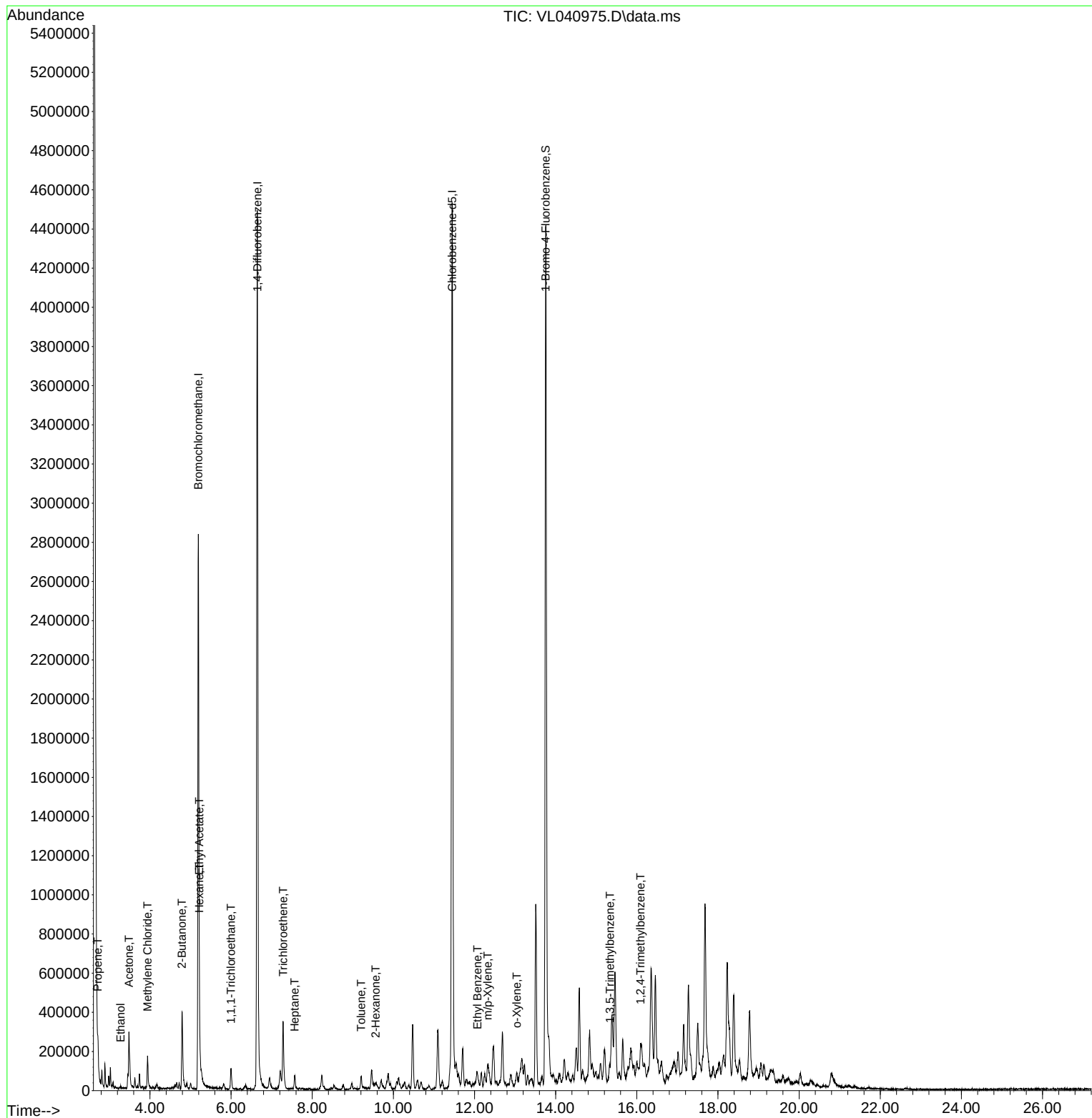
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
Data File : VL040975.D
Acq On : 15 Jan 2024 18:13
Operator : SY/MD
Sample : P1138-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

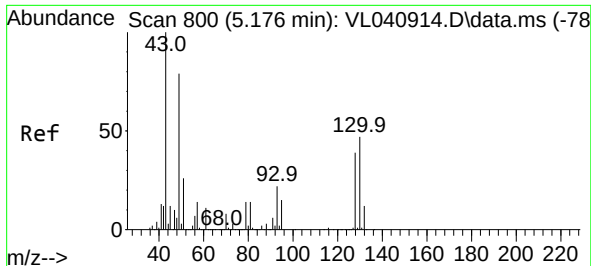
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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Supervised By :Mahesh Dadoda 01/16/2024

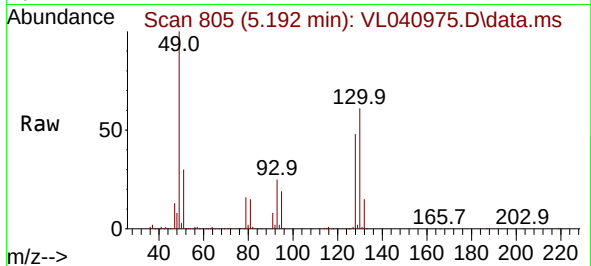
Quant Time: Jan 16 03:39:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 16 03:31:29 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.016 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

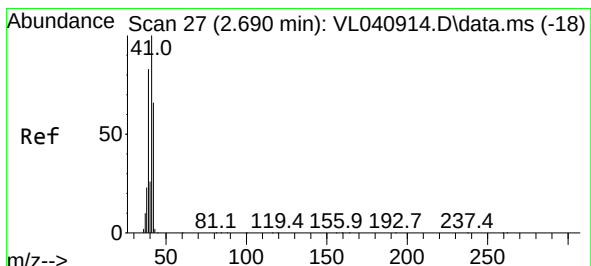
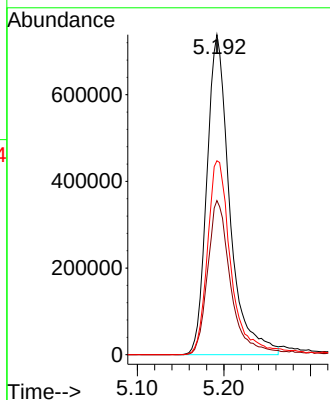
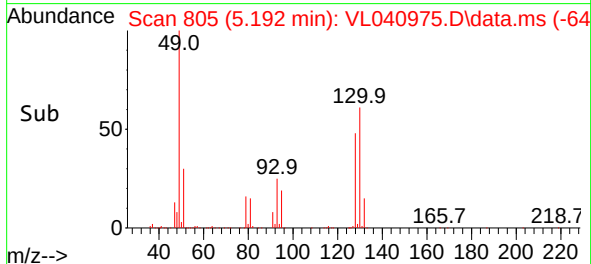
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 1356798
Ion Ratio Lower Upper
49 100
128 49.5 23.8 71.2
130 64.2 30.1 90.5

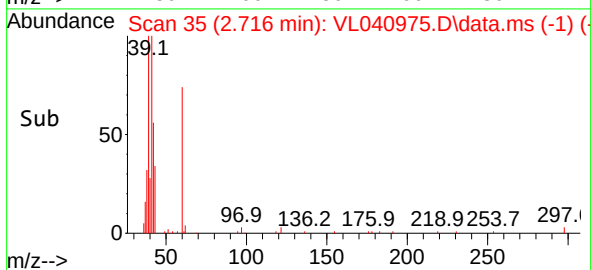
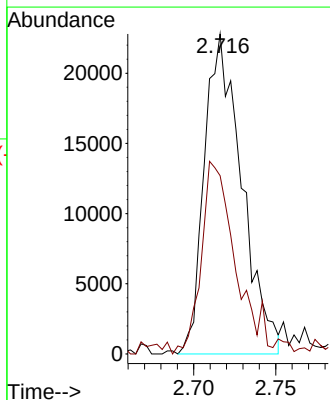
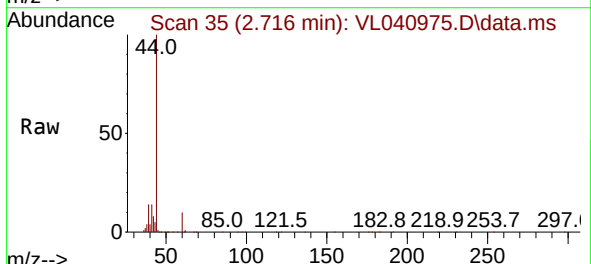
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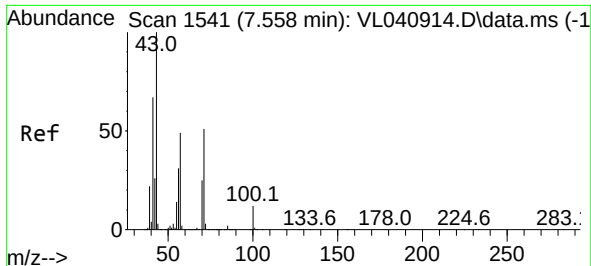
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#9
Propene
Concen: 0.534 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.029 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

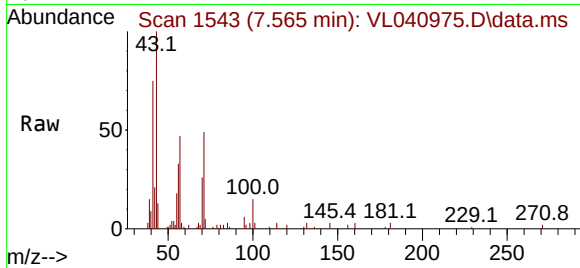
Tgt Ion: 41 Resp: 35982
Ion Ratio Lower Upper
41 100
42 57.7 55.8 83.6





#10
Heptane
Concen: 0.184 ppbv m
RT: 7.565 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

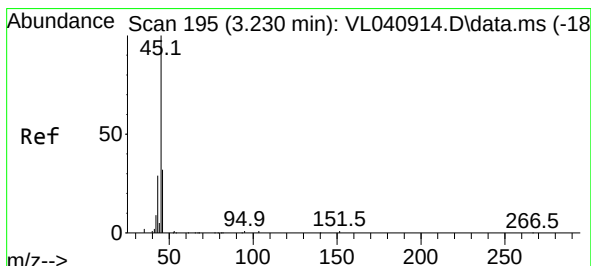
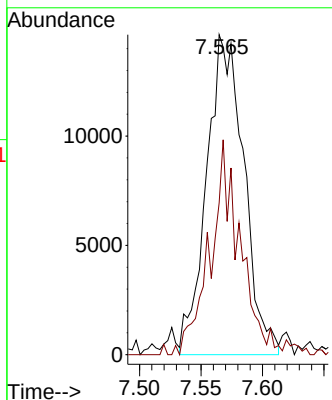
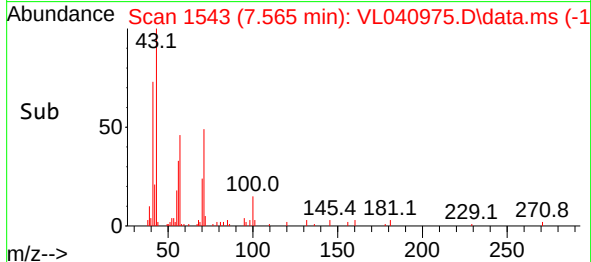
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 43 Resp: 30864
Ion Ratio Lower Upper
43 100
57 0.0 39.3 58.9

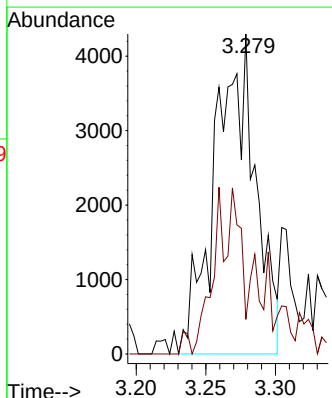
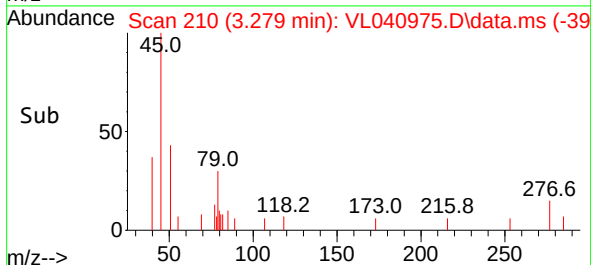
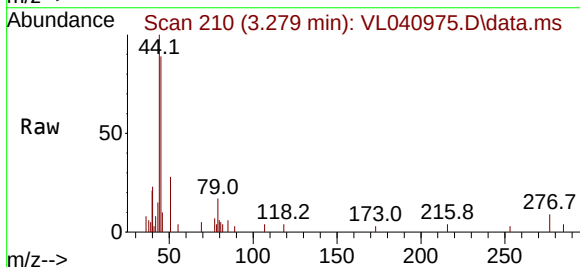
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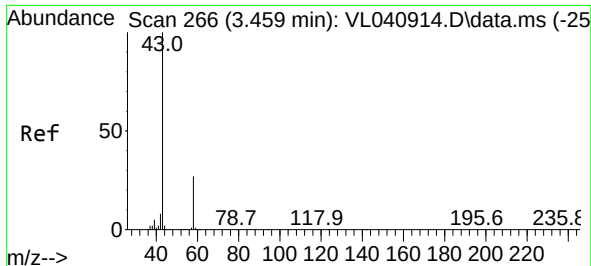
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#13
Ethanol
Concen: 0.511 ppbv m
RT: 3.279 min Scan# 210
Delta R.T. 0.048 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

Tgt Ion: 45 Resp: 8690
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.0





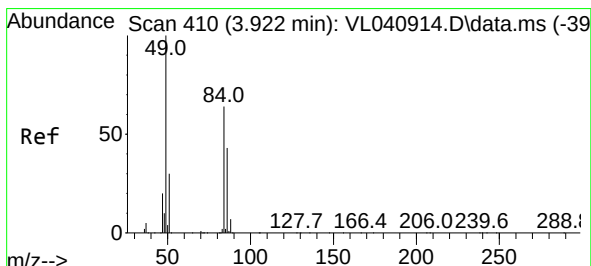
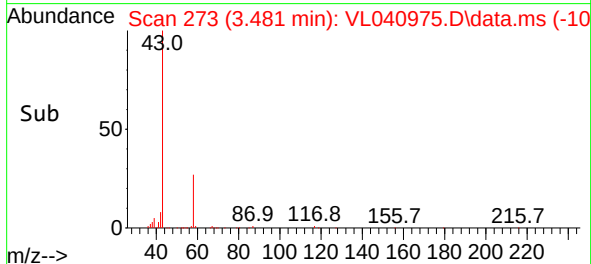
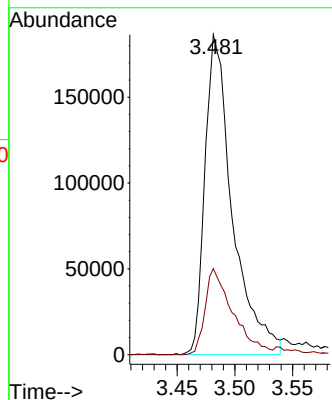
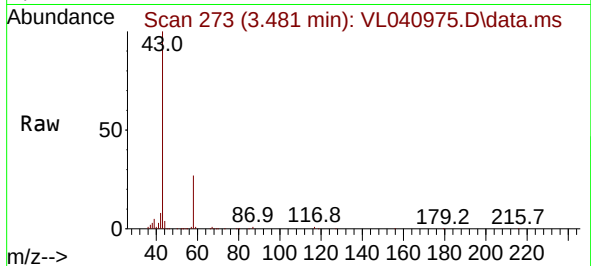
#15
Acetone
Concen: 1.896 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 30848
Ion Ratio Lower Upper
43 100
58 29.2 20.6 30.8

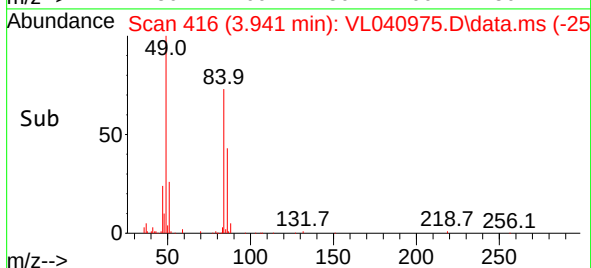
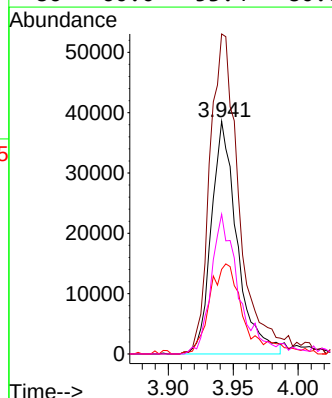
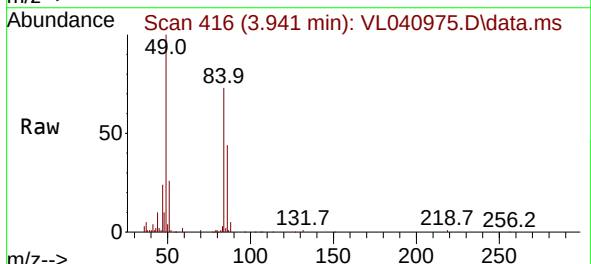
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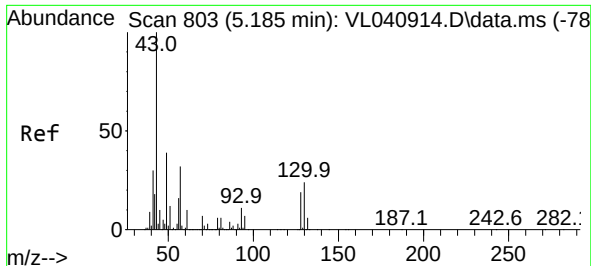
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#20
Methylene Chloride
Concen: 0.917 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.023 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

Tgt Ion: 84 Resp: 53197
Ion Ratio Lower Upper
84 100
49 137.6 124.6 187.0
51 36.4 37.2 55.8#
86 60.0 53.4 80.0





#25

Ethyl Acetate

Concen: 0.201 ppbv

RT: 5.214 min Scan# 812

Delta R.T. 0.026 min

Lab File: VL040975.D

Acq: 15 Jan 2024 18:13

Instrument :

MSVOA_L

ClientSampleId :

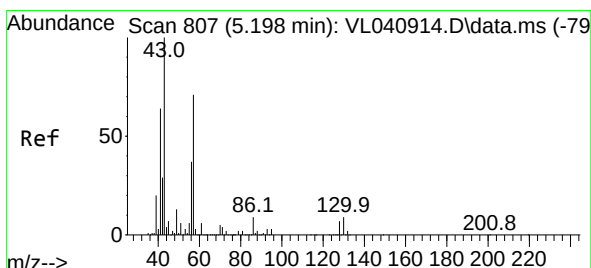
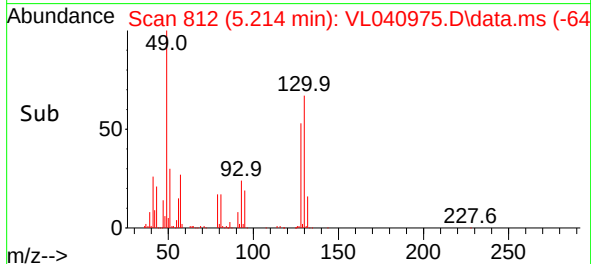
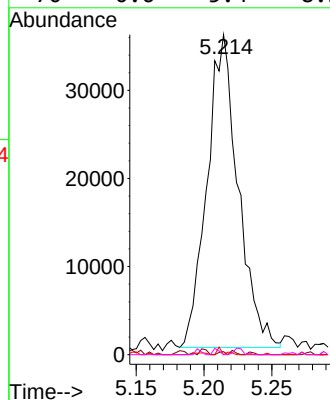
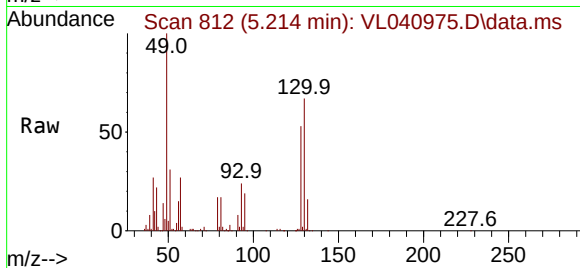
SV1DL

Tgt Ion: 43	Resp: 5679
Ion Ratio	Lower Upper
43 100	
45 0.6	8.2 12.2
61 0.5	7.6 11.4
70 0.6	5.4 8.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#26

Hexane

Concen: 0.638 ppbv

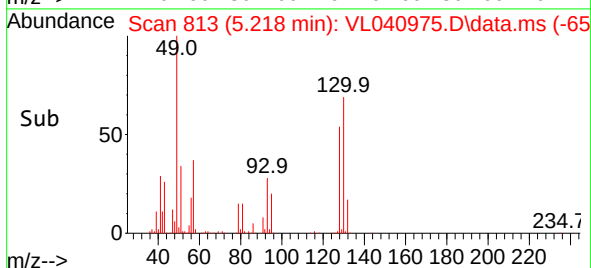
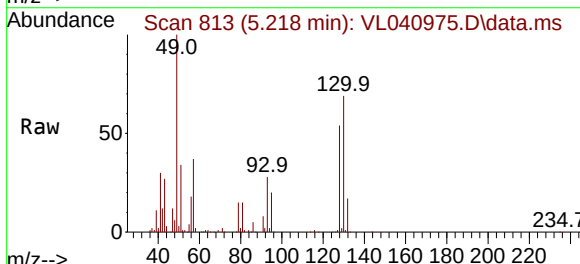
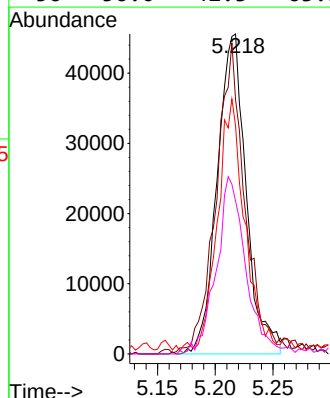
RT: 5.218 min Scan# 813

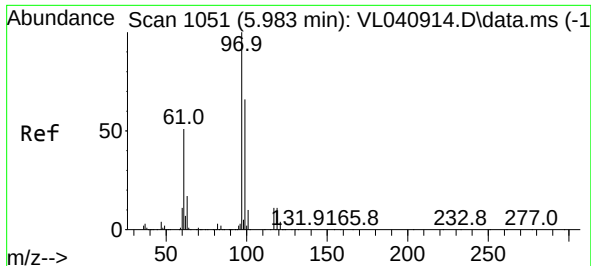
Delta R.T. 0.023 min

Lab File: VL040975.D

Acq: 15 Jan 2024 18:13

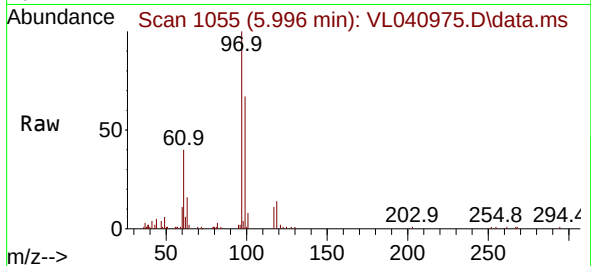
Tgt Ion: 57	Resp: 79763
Ion Ratio	Lower Upper
57 100	
41 101.7	75.2 112.8
43 74.8	188.0 282.0
56 56.0	42.3 63.5





#32
1,1,1-Trichloroethane
Concen: 0.298 ppbv m
RT: 5.996 min Scan# 1055
Delta R.T. 0.010 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

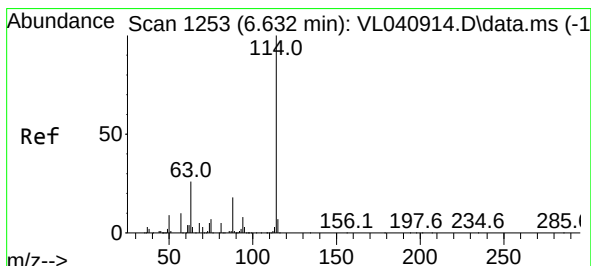
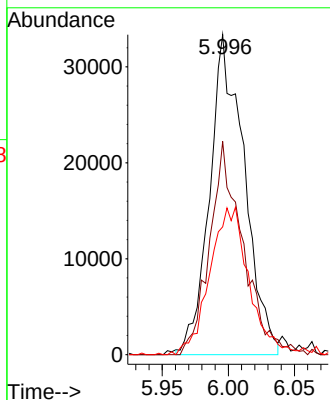
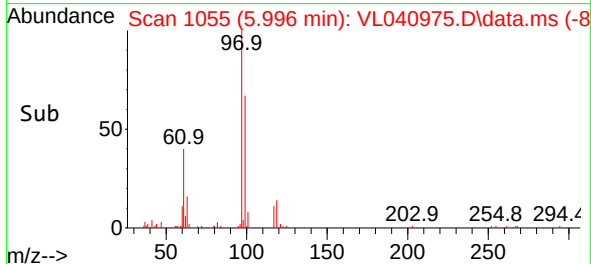
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



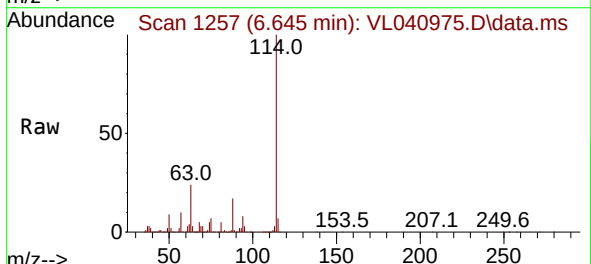
Tgt Ion: 97 Resp: 60772
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6
61 53.0 41.0 61.6

Manual Integrations
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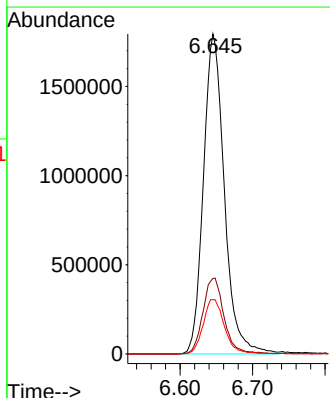
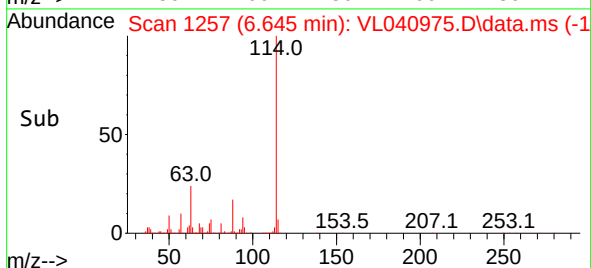
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024

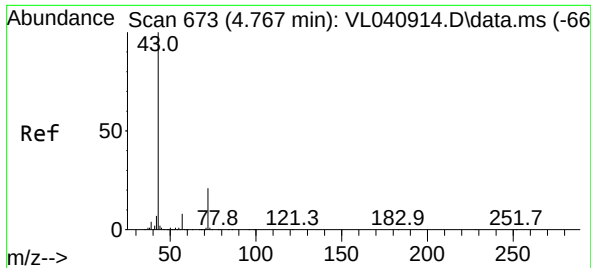


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. 0.010 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13



Tgt Ion:114 Resp: 3596739
Ion Ratio Lower Upper
114 100
63 24.1 21.0 31.6
88 17.5 14.3 21.5





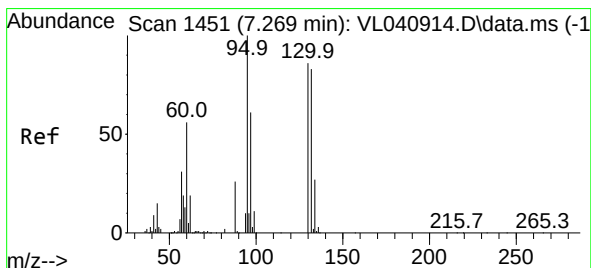
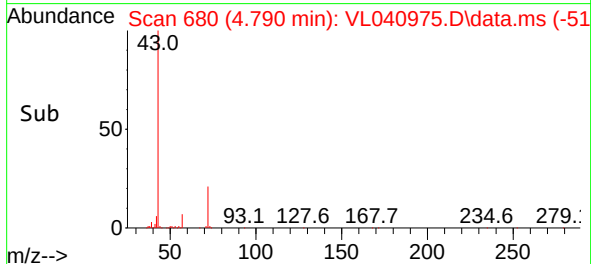
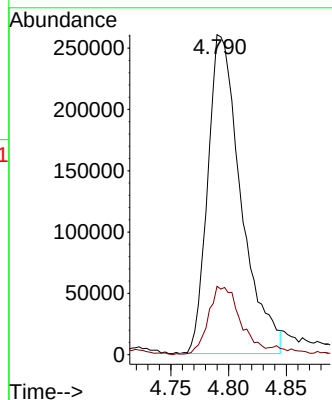
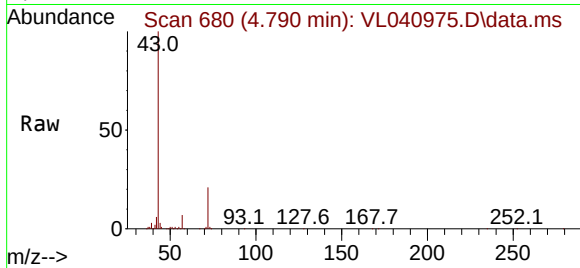
#34
2-Butanone
Concen: 2.740 ppbv
RT: 4.790 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 521372
Ion Ratio Lower Upper
43 100
72 23.0 17.2 25.8

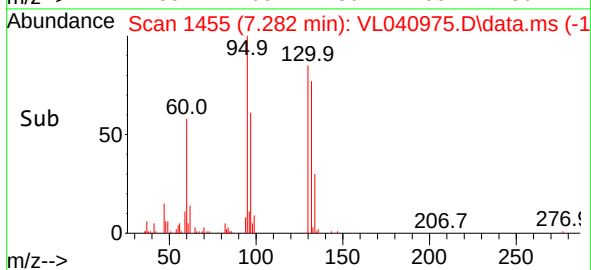
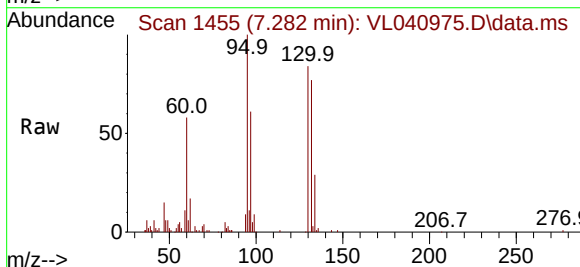
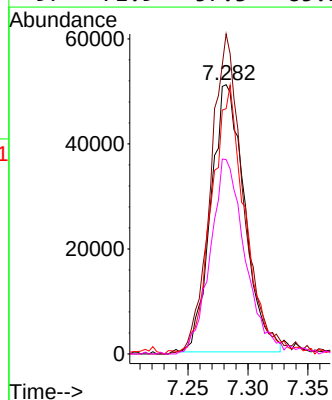
Manual Integrations
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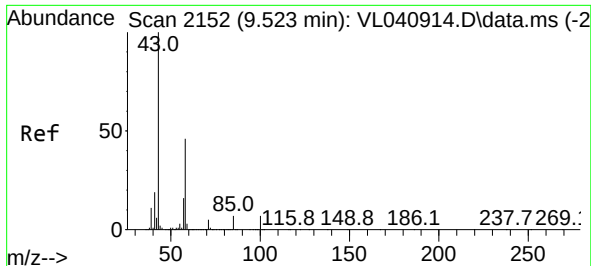
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#38
Trichloroethene
Concen: 0.940 ppbv
RT: 7.282 min Scan# 1455
Delta R.T. 0.013 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

Tgt Ion:130 Resp: 99265
Ion Ratio Lower Upper
130 100
95 118.6 93.5 140.3
132 90.9 77.4 116.2
97 71.9 57.3 85.9





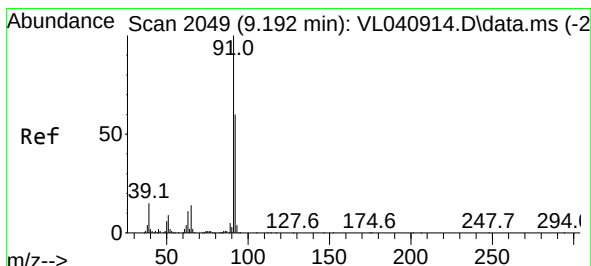
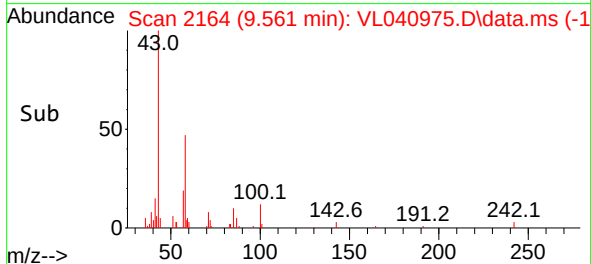
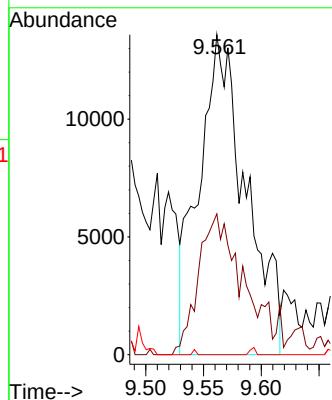
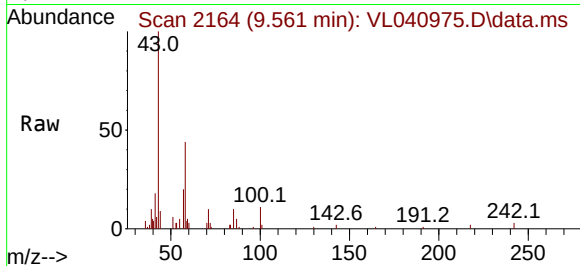
#51
2-Hexanone
Concen: 0.186 ppbv m
RT: 9.561 min Scan# 2152
Delta R.T. 0.032 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 38520
Ion Ratio Lower Upper
43 100
58 0.0 37.3 55.9
98 0.0 0.2 0.2

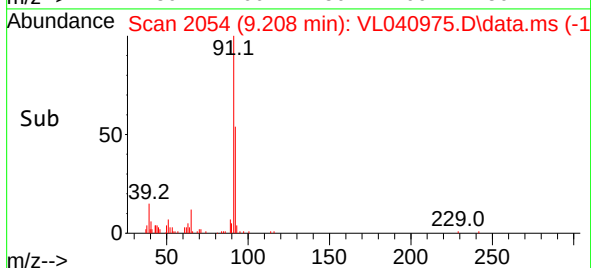
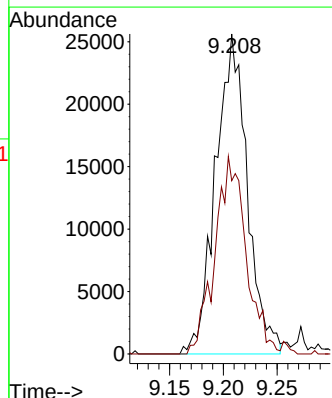
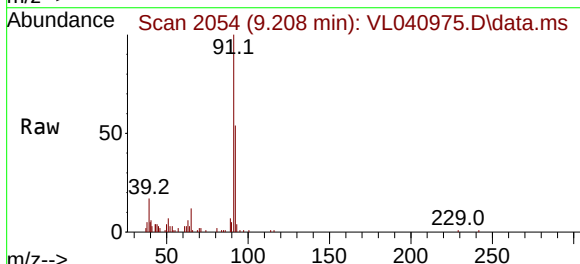
Manual Integrations
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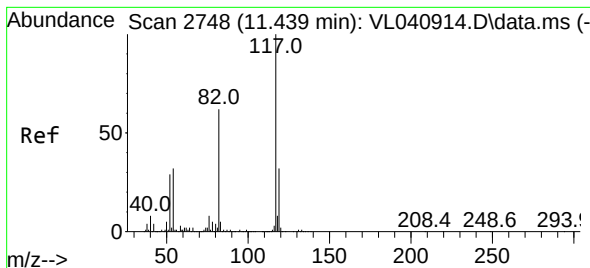
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#53
Toluene
Concen: 0.168 ppbv
RT: 9.208 min Scan# 2054
Delta R.T. 0.010 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

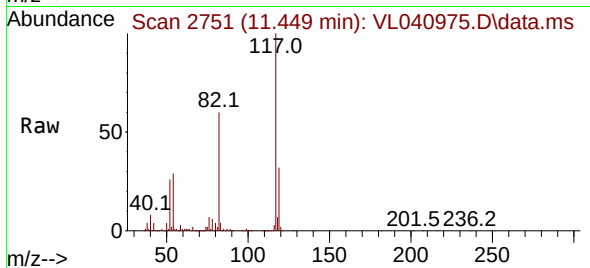
Tgt Ion: 91 Resp: 52472
Ion Ratio Lower Upper
91 100
92 61.5 49.2 73.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

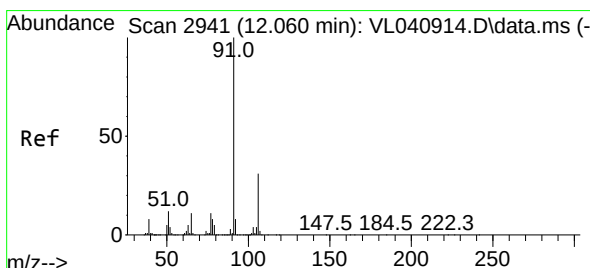
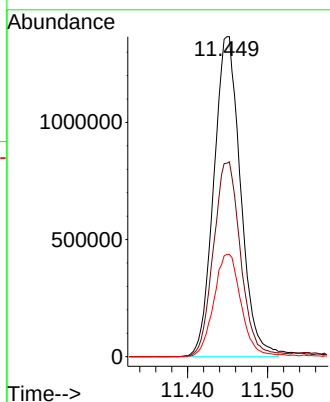
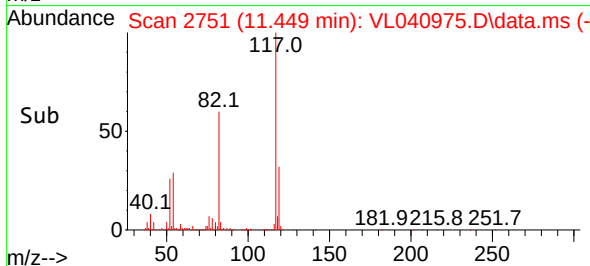
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:117 Resp: 3173128
Ion Ratio Lower Upper
117 100
82 62.0 49.6 74.4
119 33.3 23.4 35.0

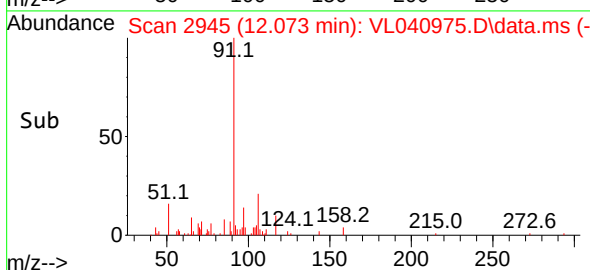
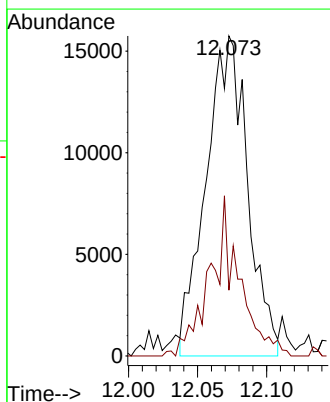
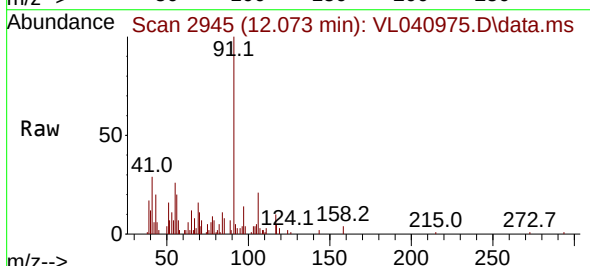
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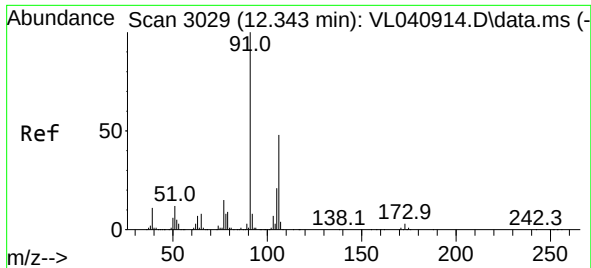
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#58
Ethyl Benzene
Concen: 0.081 ppbv m
RT: 12.073 min Scan# 2945
Delta R.T. 0.010 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

Tgt Ion: 91 Resp: 33052
Ion Ratio Lower Upper
91 100
106 20.5 24.9 37.3#





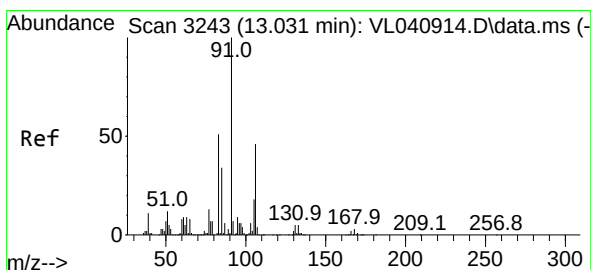
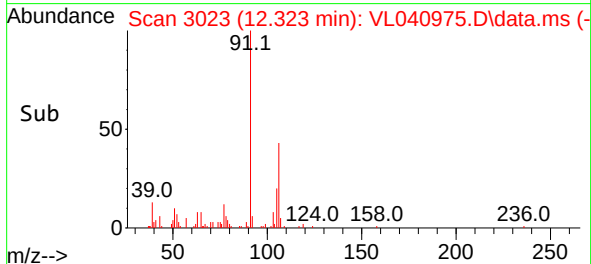
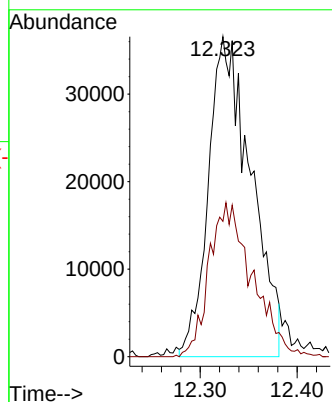
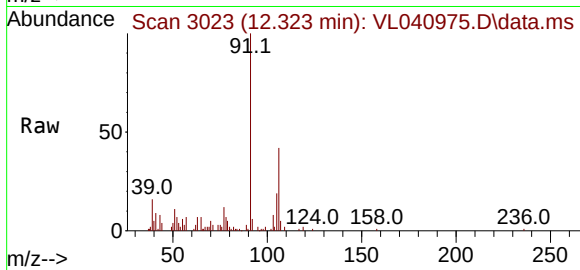
#59
m/p-Xylene
Concen: 0.321 ppbv m
RT: 12.323 min Scan# 3029
Delta R.T. -0.026 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 111225
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

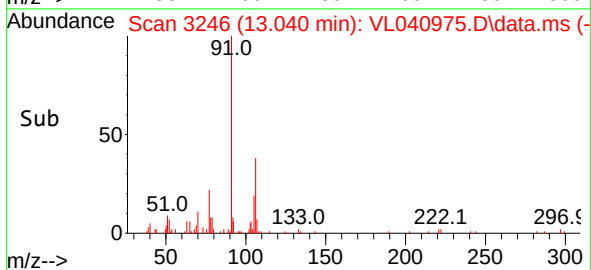
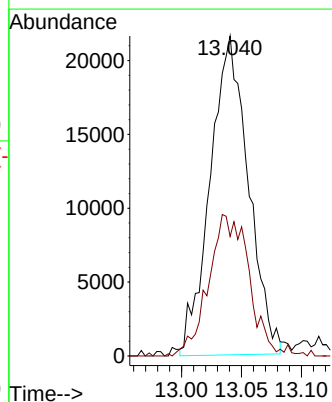
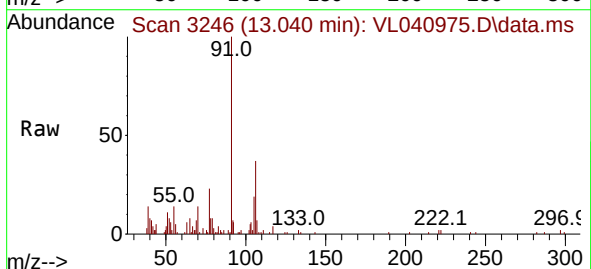
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APPROVED

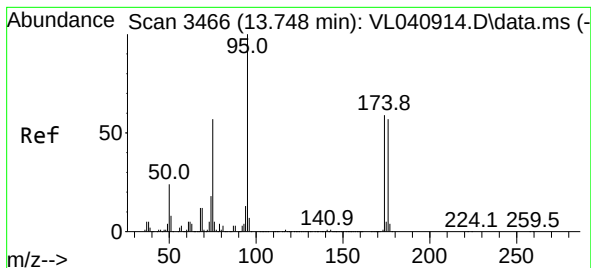
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024



#60
o-Xylene
Concen: 0.146 ppbv
RT: 13.040 min Scan# 3246
Delta R.T. 0.006 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

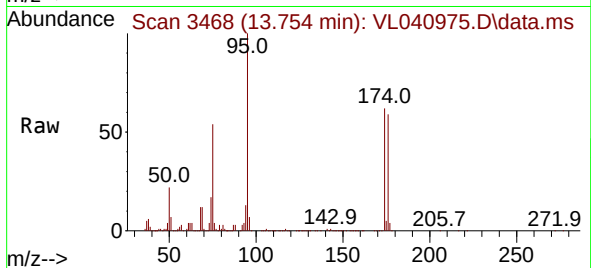
Tgt Ion: 91 Resp: 47756
Ion Ratio Lower Upper
91 100
106 47.5 22.6 67.7





#68
1-Bromo-4-Fluorobenzene
Concen: 9.966 ppbv
RT: 13.754 min Scan# 3466
Delta R.T. 0.000 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13

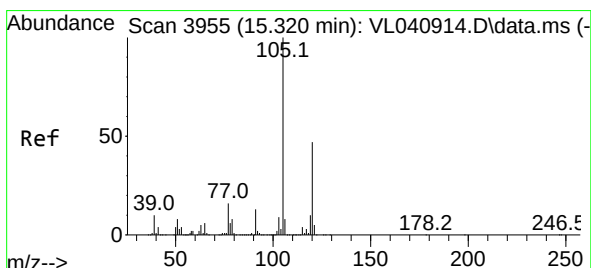
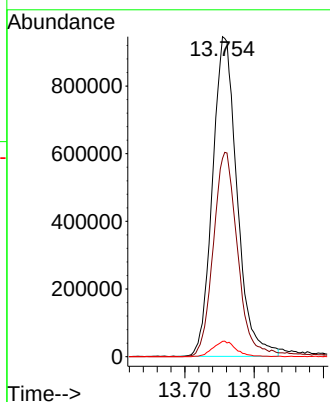
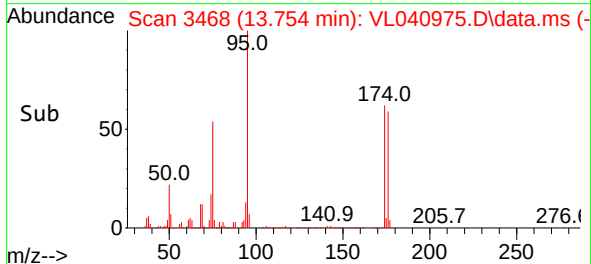
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



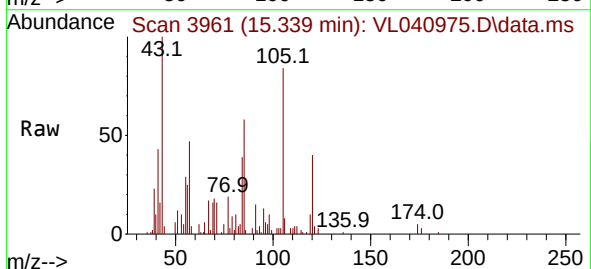
Tgt Ion: 95 Resp: 232923
Ion Ratio Lower Upper
95 100
174 65.0 48.0 72.0
175 4.7 3.7 5.5

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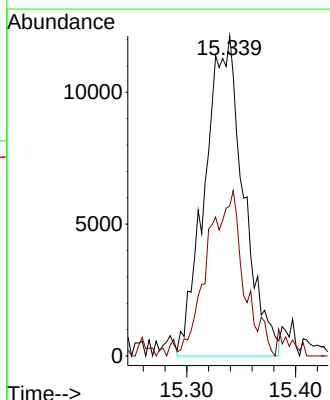
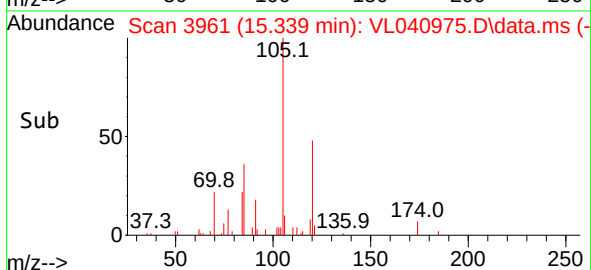
Reviewed By :Semsettin Yesilyurt 01/16/2024
Supervised By :Mahesh Dadoda 01/16/2024

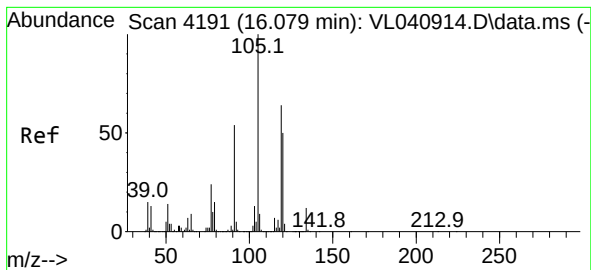


#73
1,3,5-Trimethylbenzene
Concen: 0.097 ppbv m
RT: 15.339 min Scan# 3961
Delta R.T. 0.010 min
Lab File: VL040975.D
Acq: 15 Jan 2024 18:13



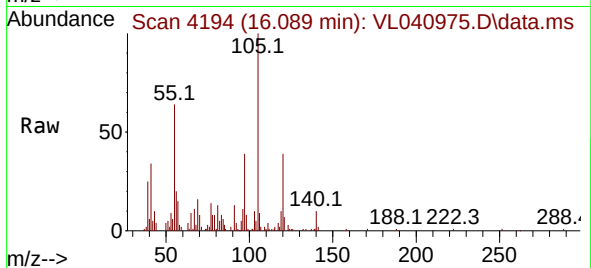
Tgt Ion:105 Resp: 29971
Ion Ratio Lower Upper
105 100
120 46.8 37.8 56.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.196 ppbv
 RT: 16.089 min Scan# 4194
 Delta R.T. 0.003 min
 Lab File: VL040975.D
 Acq: 15 Jan 2024 18:13

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion:	105	Resp:	67489
Ion Ratio	Lower	Upper	
105	100		
120	45.2	40.2	60.4
91	11.1	43.0	64.6
77	19.5	18.9	28.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 01/16/2024
 Supervised By :Mahesh Dadoda 01/16/2024

