

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011624\
 Data File : VL040985.D
 Acq On : 16 Jan 2024 13:55
 Operator : SY/MD
 Sample : P1138-05DL2 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2024
 Supervised By :Mahesh Dadoda 01/17/2024

Quant Time: Jan 17 00:25:32 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 : Wed Jan 17 00:20:56 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1205359	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	3056687	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2701897	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.789 95 2036497 10.233 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.300%

Target Compounds

						Qvalue
9) Propene	2.690	41	90908	1.519	ppbv	97
10) Heptane	7.590	43	226813	1.525	ppbv	99
13) Ethanol	3.240	45	439042	29.078	ppbv	99
16) 1,3-Butadiene	2.967	39	49751m	0.799	ppbv	
20) Methylene Chloride	3.935	84	32686	0.634	ppbv	83
25) Ethyl Acetate	5.221	43	260784	1.041	ppbv #	77
26) Hexane	5.221	57	369808	3.331	ppbv #	40
30) Cyclohexane	6.610	84	93983	1.015	ppbv	96
36) Benzene	6.378	78	427604	1.790	ppbv	94
44) 2,2,4-Trimethylpentane	7.333	57	467249	1.151	ppbv #	83
53) Toluene	9.230	91	1347703	5.086	ppbv	99
58) Ethyl Benzene	12.101	91	357991	1.032	ppbv	94
59) m/p-Xylene	12.359	91	934423	3.166	ppbv #	100
60) o-Xylene	13.069	91	338049	1.215	ppbv	97
62) Isopropylbenzene	14.047	105	70892m	0.172	ppbv	
64) n-propylbenzene	14.934	120	13099m	0.127	ppbv	
72) 4-Ethyltoluene	15.207	105	96146	0.315	ppbv	94
73) 1,3,5-Trimethylbenzene	15.368	105	67066	0.255	ppbv	98
74) 1,2,4-Trimethylbenzene	16.121	105	261264	0.891	ppbv #	65

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

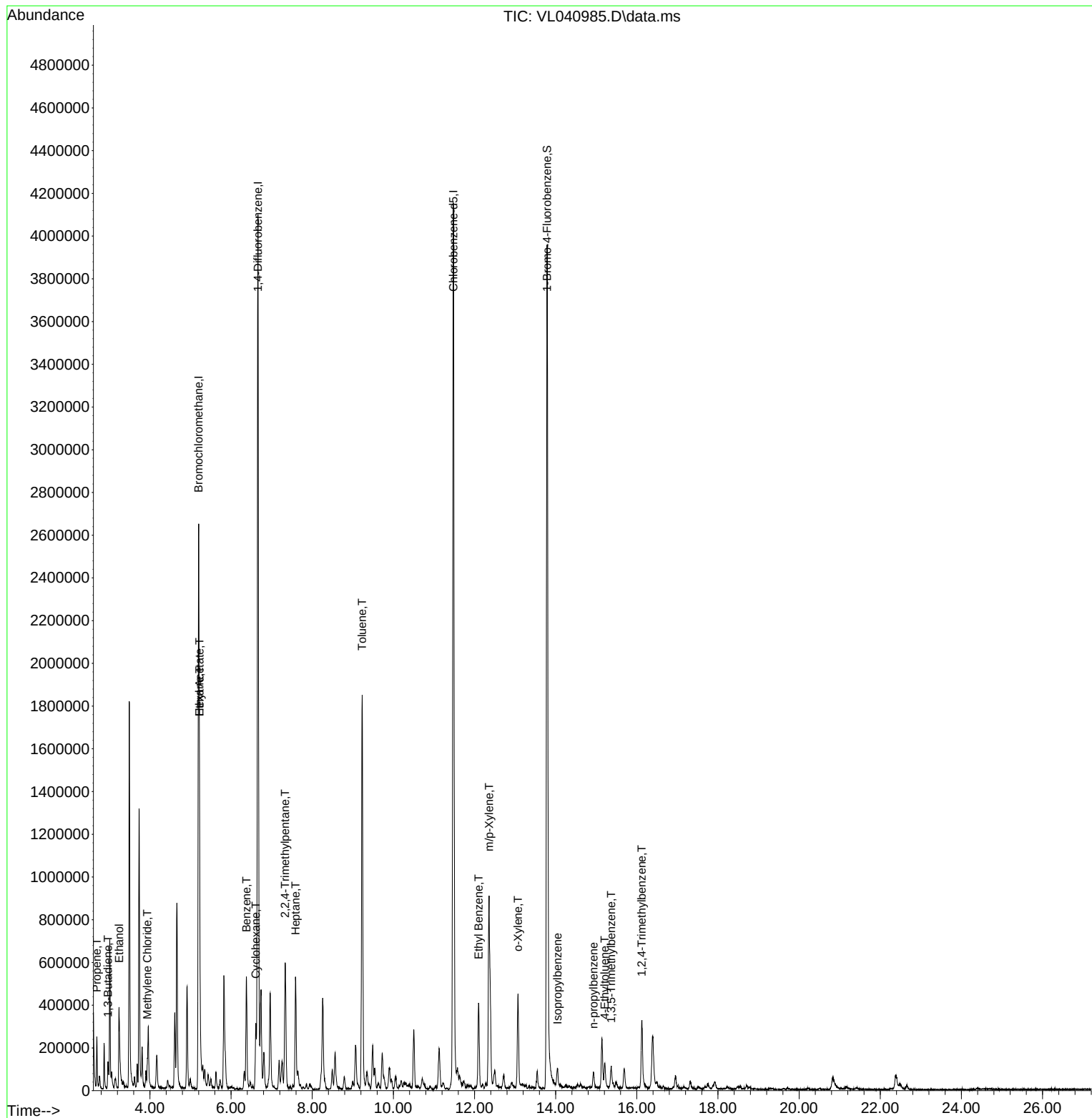
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011624\
Data File : VL040985.D
Acq On : 16 Jan 2024 13:55
Operator : SY/MD
Sample : P1138-05DL2 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

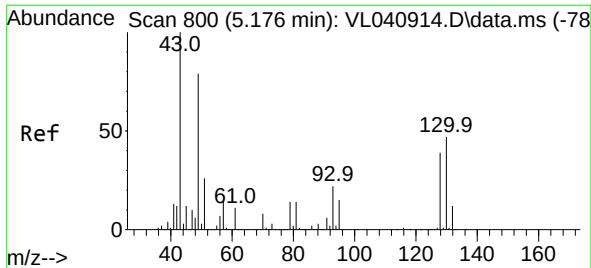
Instrument :
MSVOA_L
ClientSampleId :
OA1DL2

Quant Time: Jan 17 00:25:32 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 : Wed Jan 17 00:20:56 2024
Response via : Initial Calibration

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Supervised By : Mahesh Dadoda 01/17/2024





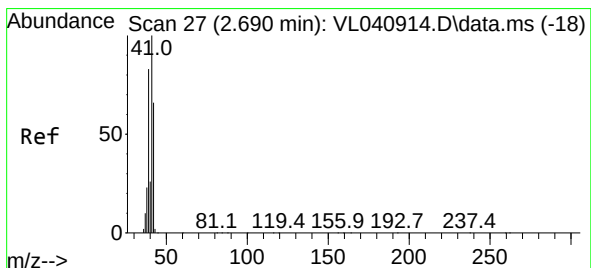
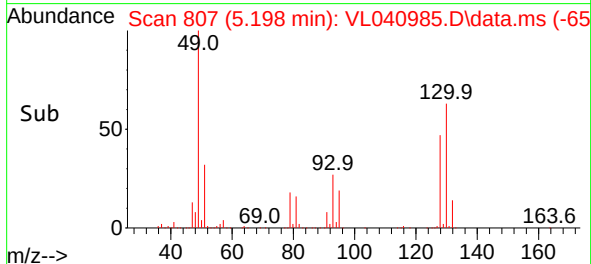
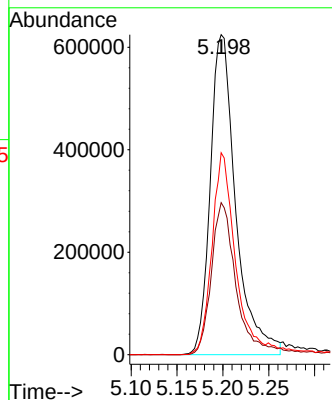
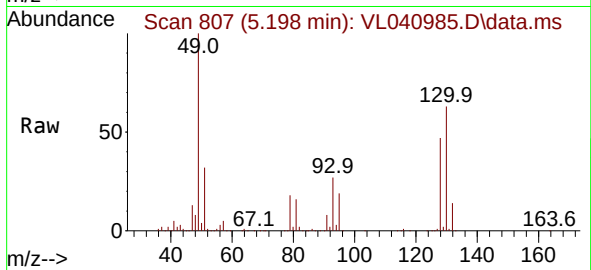
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

Instrument :
MSVOA_L
ClientSampleId :
OA1DL2

Tgt Ion: 49 Resp: 120535
Ion Ratio Lower Upper
49 100
128 48.3 23.8 71.2
130 61.2 30.1 90.5

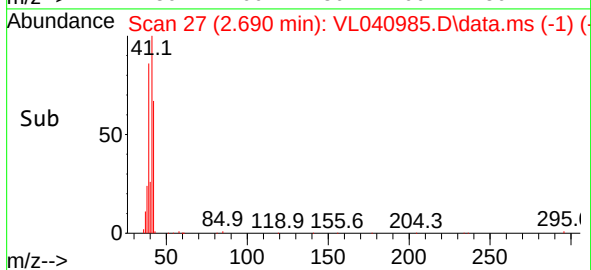
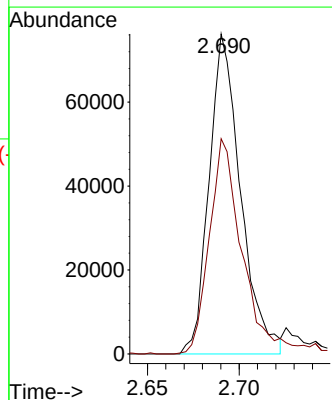
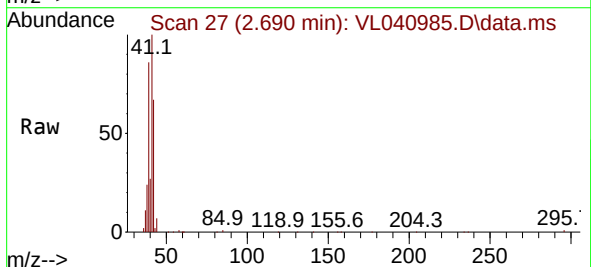
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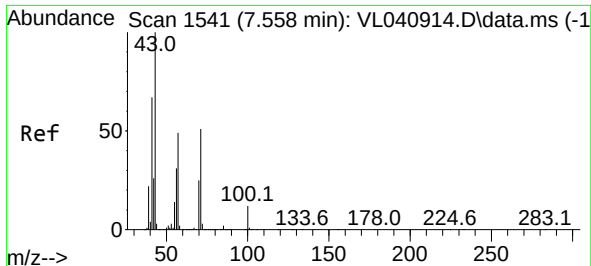
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024



#9
Propene
Concen: 1.519 ppbv
RT: 2.690 min Scan# 27
Delta R.T. 0.003 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

Tgt Ion: 41 Resp: 90908
Ion Ratio Lower Upper
41 100
42 72.0 55.8 83.6





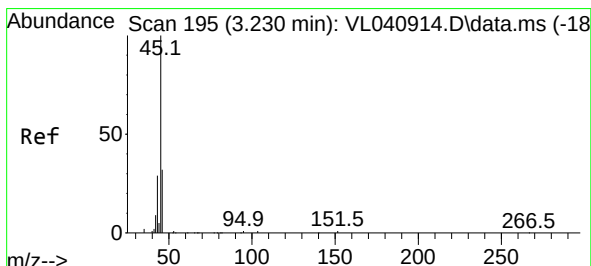
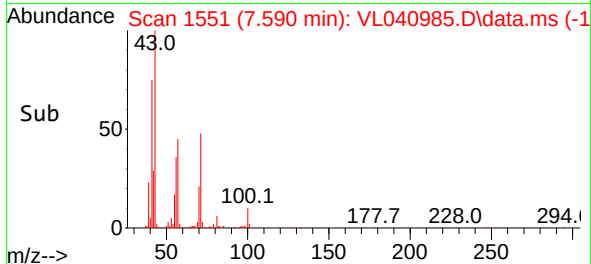
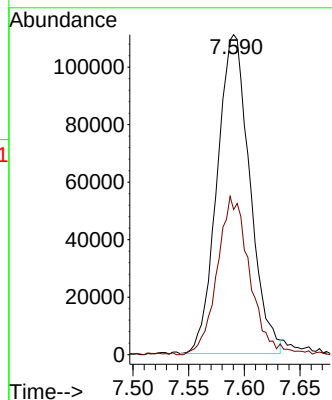
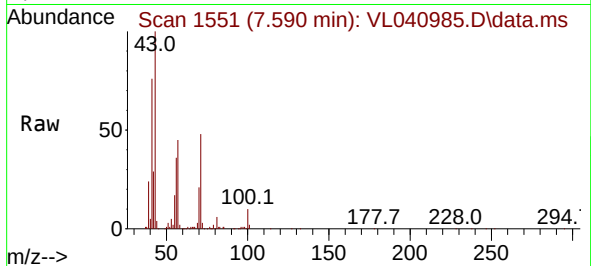
#10
Heptane
Concen: 1.525 ppbv
RT: 7.590 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

Instrument :
MSVOA_L
ClientSampleId :
OA1DL2

Tgt Ion: 43 Resp: 22681
Ion Ratio Lower Upper
43 100
57 49.7 39.3 58.9

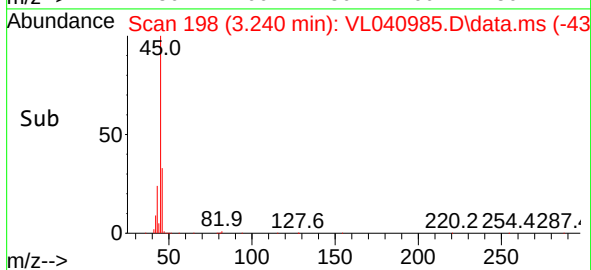
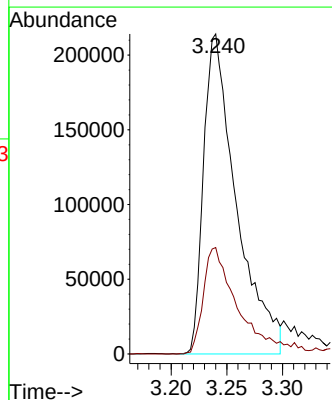
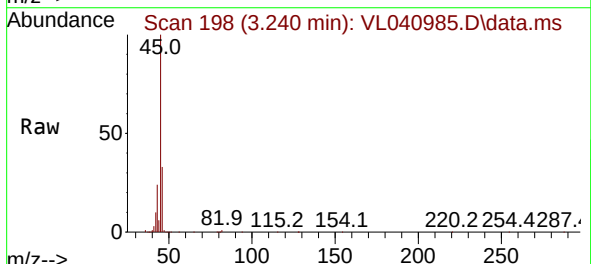
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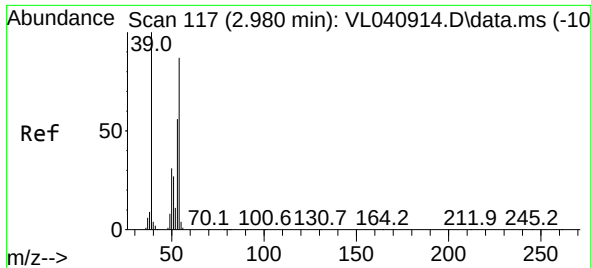
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024



#13
Ethanol
Concen: 29.078 ppbv
RT: 3.240 min Scan# 198
Delta R.T. -0.000 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

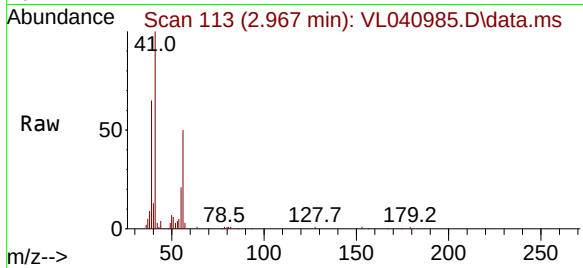
Tgt Ion: 45 Resp: 439042
Ion Ratio Lower Upper
45 100
46 36.9 15.0 60.0





#16
1,3-Butadiene
Concen: 0.799 ppbv m
RT: 2.967 min Scan# 117
Delta R.T. -0.013 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

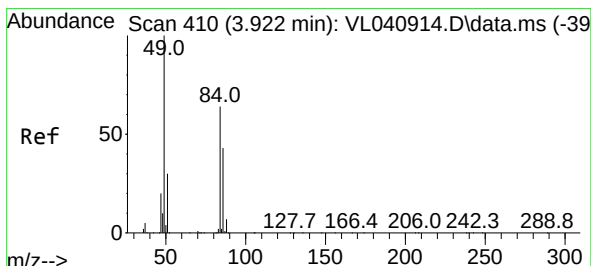
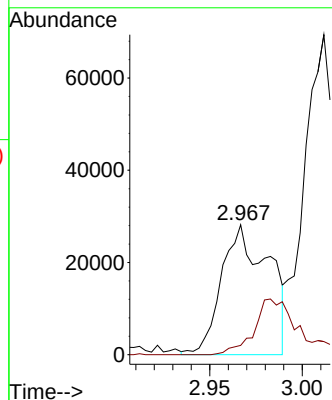
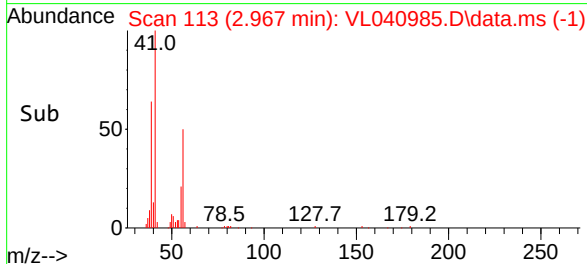
Instrument :
MSVOA_L
ClientSampleId :
OA1DL2



Tgt Ion: 39 Resp: 4975
Ion Ratio Lower Upper
39 100
54 42.1 63.8 95.6

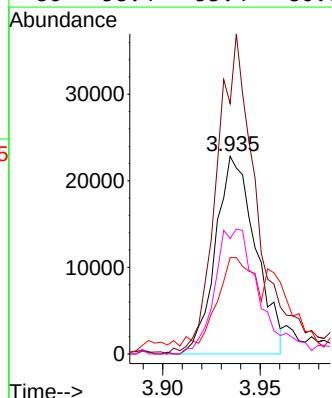
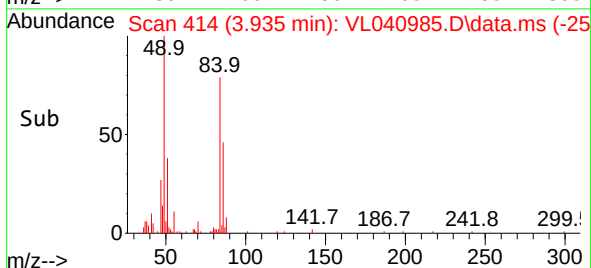
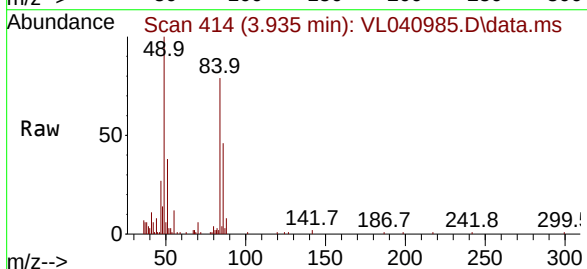
Manual Integrations
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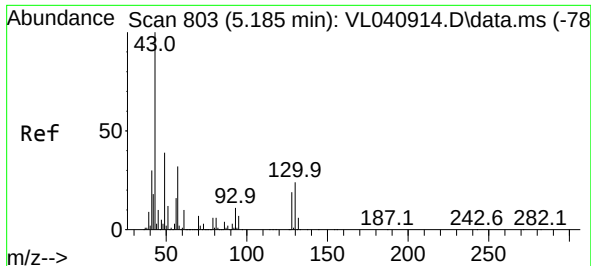
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024



#20
Methylene Chloride
Concen: 0.634 ppbv
RT: 3.935 min Scan# 414
Delta R.T. -0.000 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

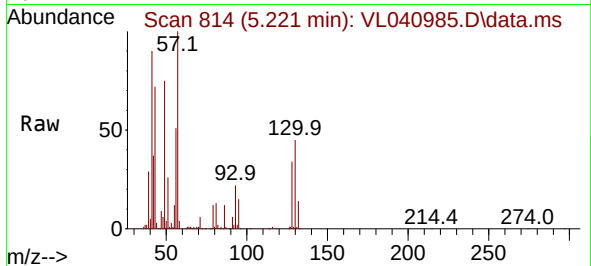
Tgt Ion: 84 Resp: 32686
Ion Ratio Lower Upper
84 100
49 125.1 124.6 187.0
51 44.8 37.2 55.8
86 58.4 53.4 80.0





#25
Ethyl Acetate
Concen: 1.041 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

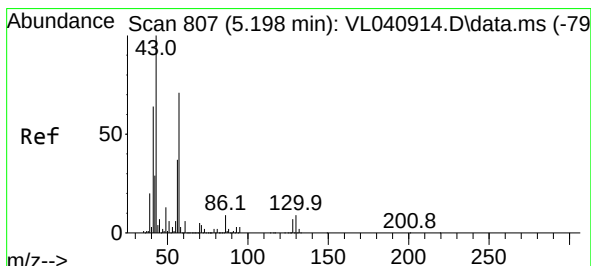
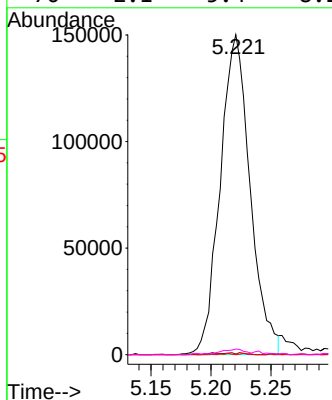
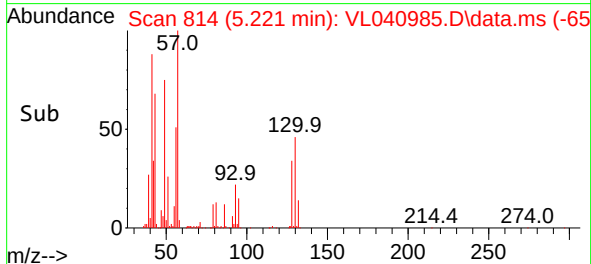
Instrument :
MSVOA_L
ClientSampleId :
OA1DL2



Tgt Ion: 43 Resp: 260784
Ion Ratio Lower Upper
43 100
45 0.6 8.2 12.2
61 0.1 7.6 11.4
70 2.1 5.4 8.2

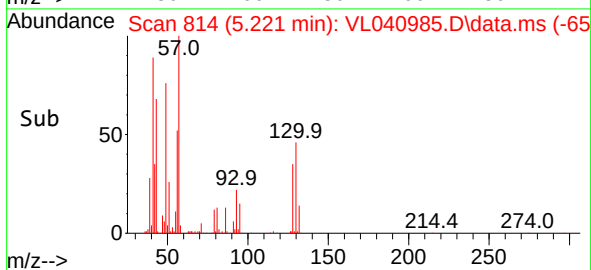
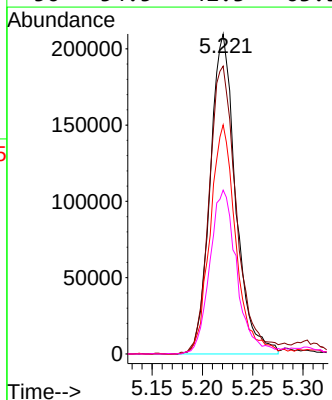
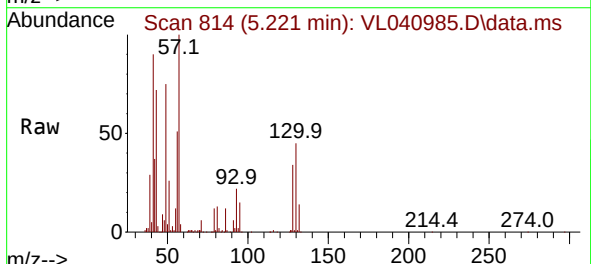
Manual Integrations
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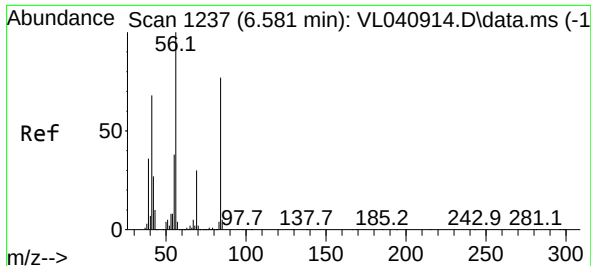
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024



#26
Hexane
Concen: 3.331 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.003 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

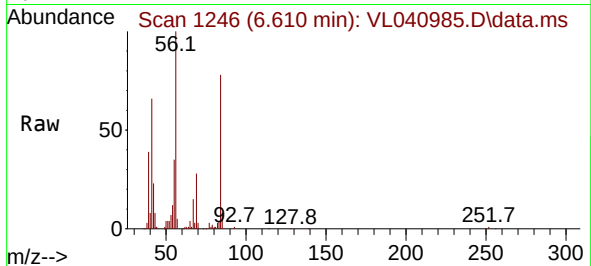
Tgt Ion: 57 Resp: 369808
Ion Ratio Lower Upper
57 100
41 97.6 75.2 112.8
43 74.4 188.0 282.0
56 54.5 42.3 63.5





#30
Cyclohexane
Concen: 1.015 ppbv
RT: 6.610 min Scan# 1246
Delta R.T. -0.000 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

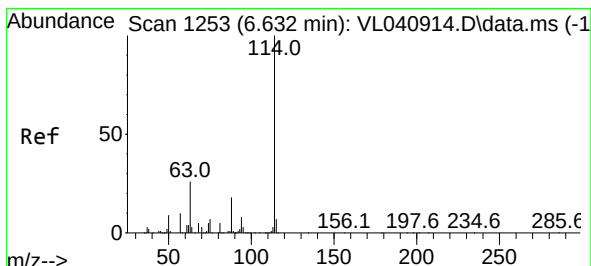
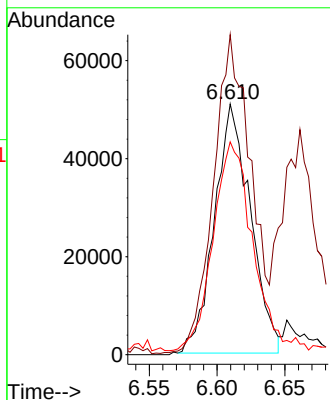
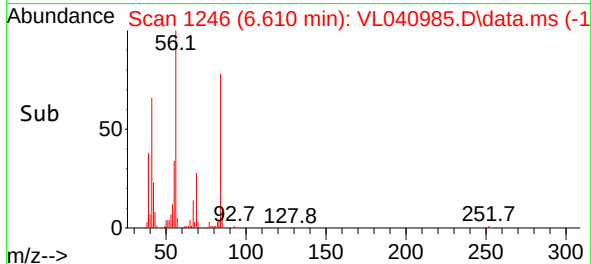
Instrument :
MSVOA_L
ClientSampleId :
OA1DL2



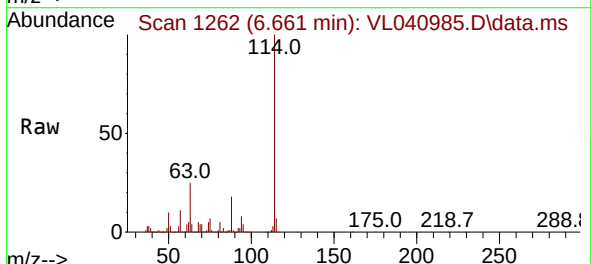
Tgt Ion: 84 Resp: 9398
Ion Ratio Lower Upper
84 100
56 138.3 111.4 167.2
41 95.4 70.0 105.0

Manual Integrations
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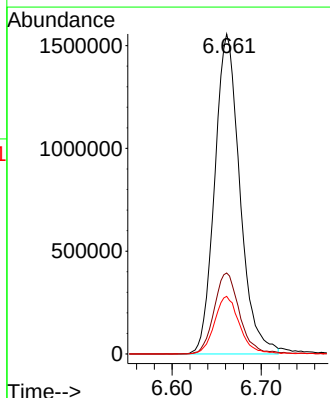
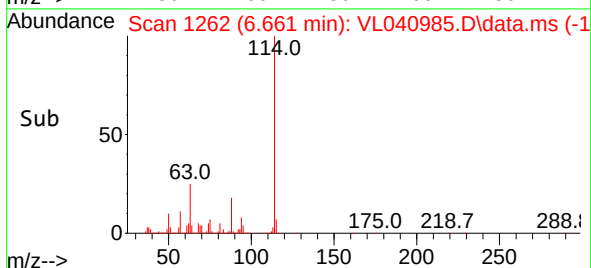
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024

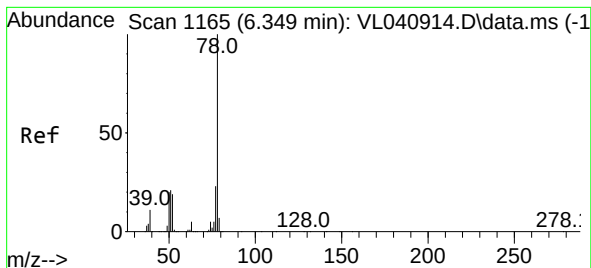


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1262
Delta R.T. -0.000 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55



Tgt Ion:114 Resp: 3056687
Ion Ratio Lower Upper
114 100
63 26.0 21.0 31.6
88 18.1 14.3 21.5





#36

Benzene

Concen: 1.790 ppbv

RT: 6.378 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL040985.D

Acq: 16 Jan 2024 13:55

Instrument :

MSVOA_L

ClientSampleId :

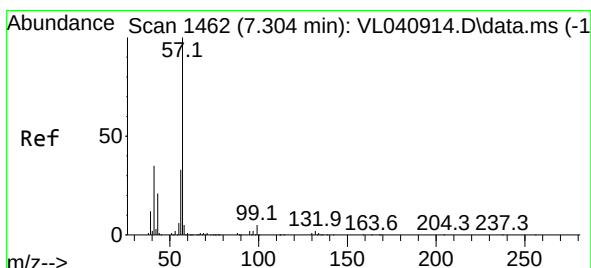
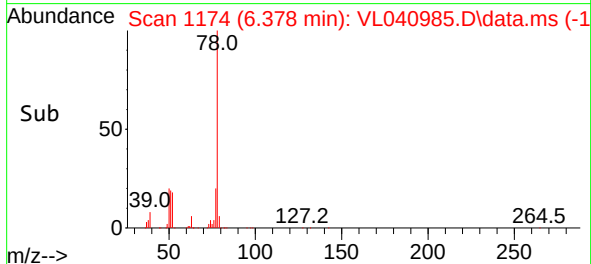
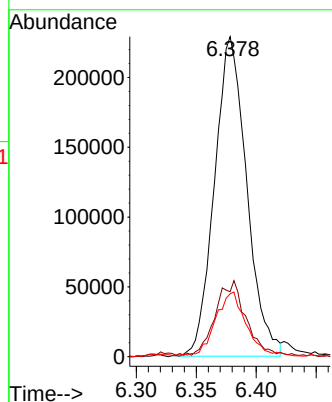
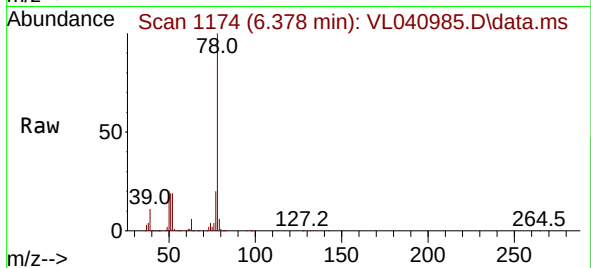
OA1DL2

Tgt Ion: 78	Resp: 427604
Ion Ratio	Lower Upper
78 100	
77 19.3	18.4 27.6
50 18.6	16.0 24.0

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 01/17/2024



#44

2,2,4-Trimethylpentane

Concen: 1.151 ppbv

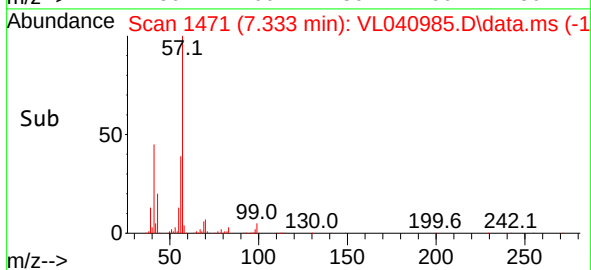
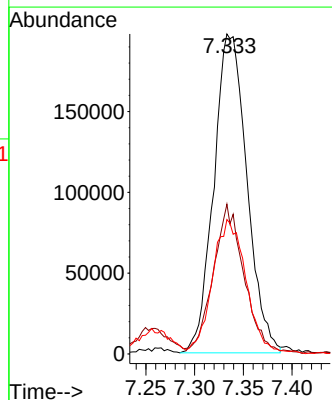
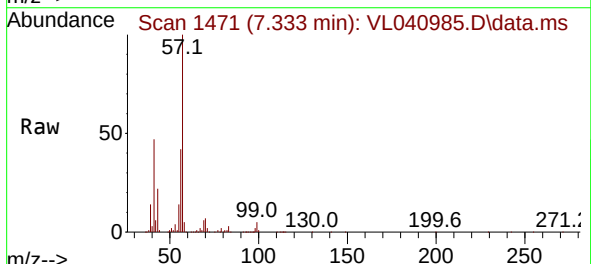
RT: 7.333 min Scan# 1471

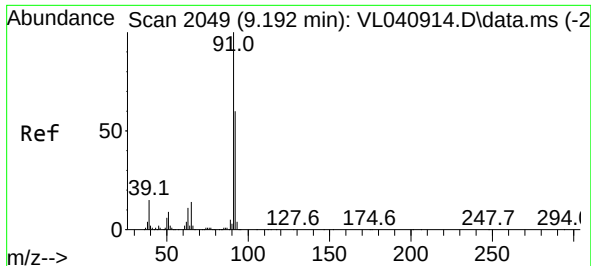
Delta R.T. -0.000 min

Lab File: VL040985.D

Acq: 16 Jan 2024 13:55

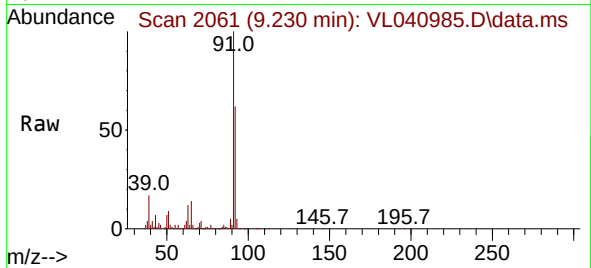
Tgt Ion: 57	Resp: 467249
Ion Ratio	Lower Upper
57 100	
41 43.5	28.2 42.4#
56 42.5	25.3 37.9#





#53
Toluene
Concen: 5.086 ppbv
RT: 9.230 min Scan# 2049
Delta R.T. -0.000 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

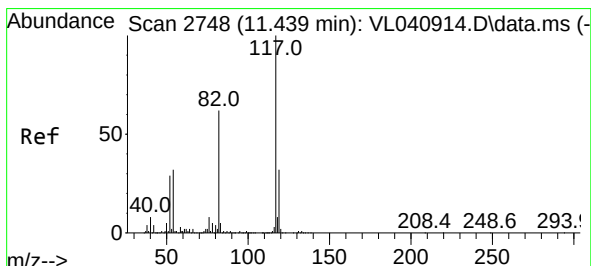
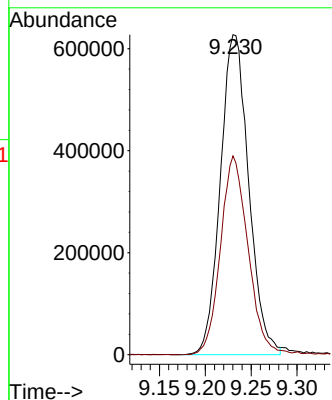
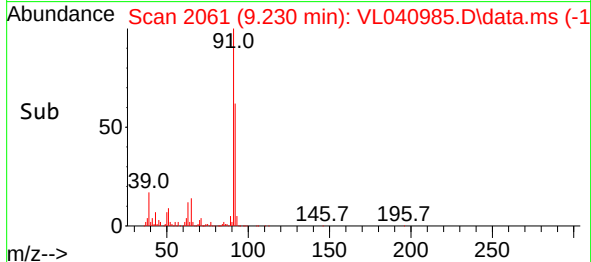
Instrument :
MSVOA_L
ClientSampleId :
OA1DL2



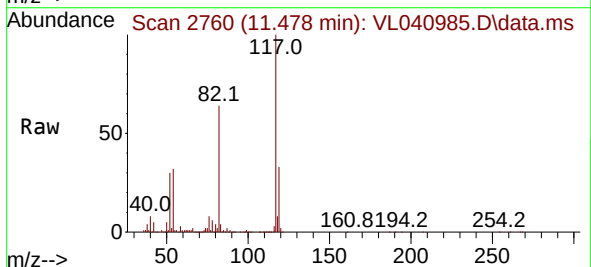
Tgt Ion: 91 Resp: 134770
Ion Ratio Lower Upper
91 100
92 60.8 49.2 73.8

Manual Integrations
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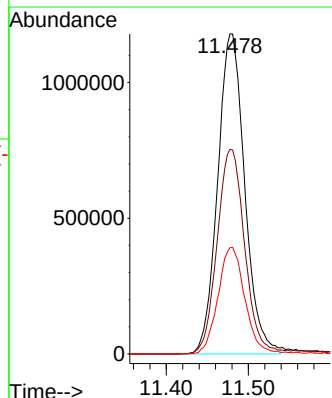
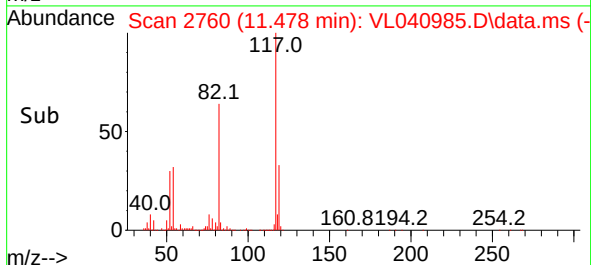
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024

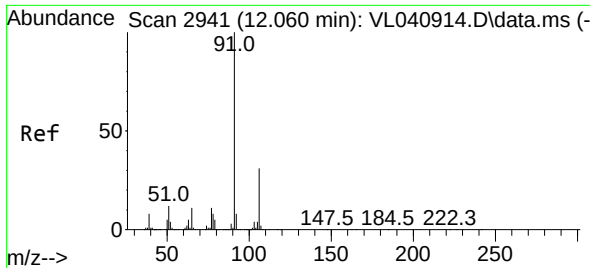


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. -0.000 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55



Tgt Ion:117 Resp: 2701897
Ion Ratio Lower Upper
117 100
82 67.0 49.6 74.4
119 33.3 23.4 35.0





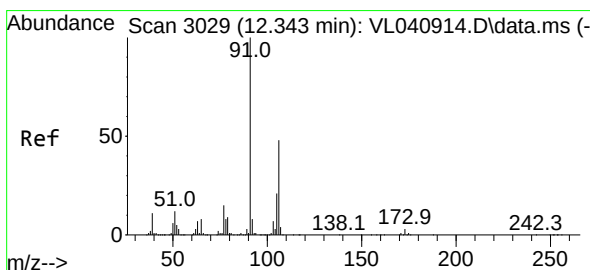
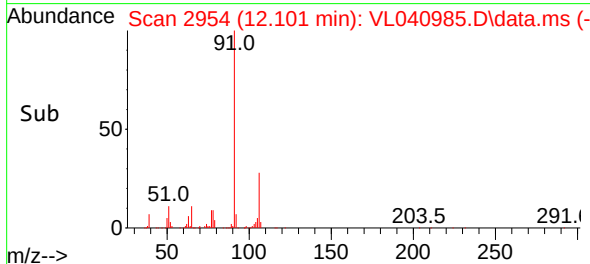
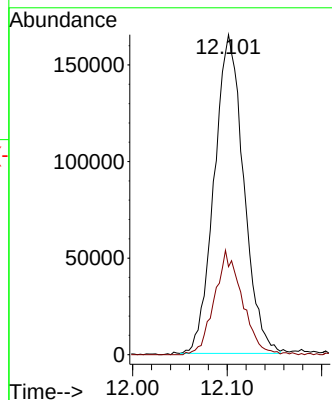
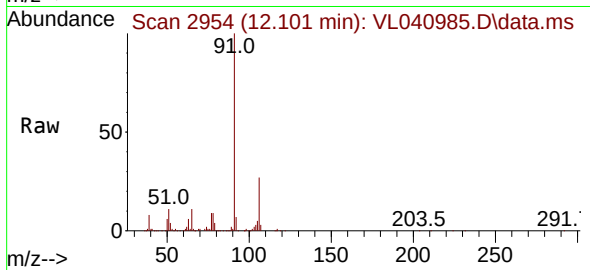
#58
Ethyl Benzene
Concen: 1.032 ppbv
RT: 12.101 min Scan# 2941
Delta R.T. 0.003 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

Instrument :
MSVOA_L
ClientSampleId :
OA1DL2

Tgt Ion: 91 Resp: 35799
Ion Ratio Lower Upper
91 100
106 27.6 24.9 37.3

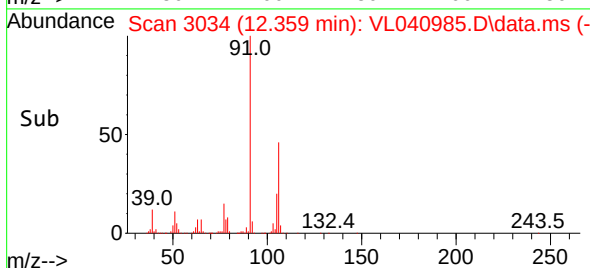
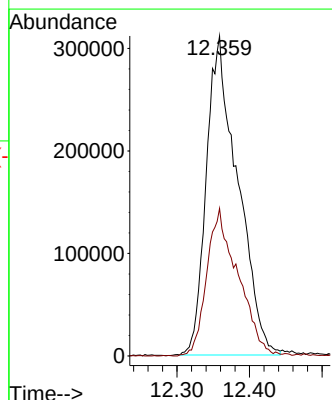
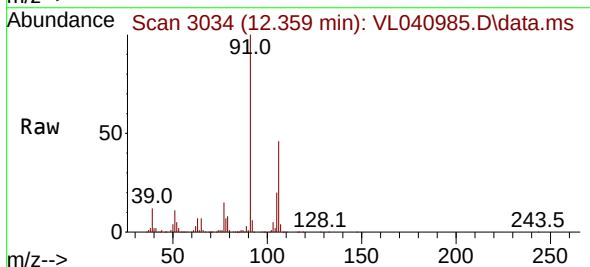
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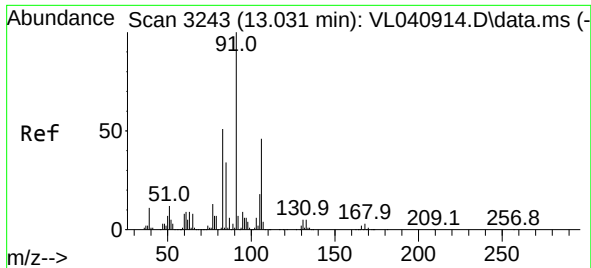
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024



#59
m/p-Xylene
Concen: 3.166 ppbv
RT: 12.359 min Scan# 3034
Delta R.T. -0.026 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

Tgt Ion: 91 Resp: 934423
Ion Ratio Lower Upper
91 100
106 46.3 0.0 0.0#





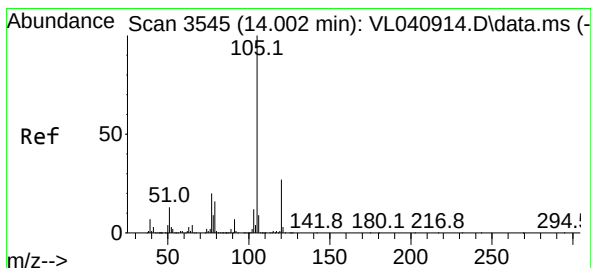
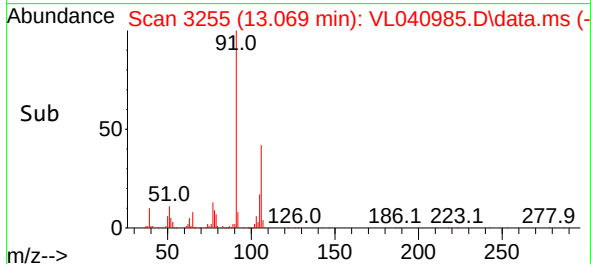
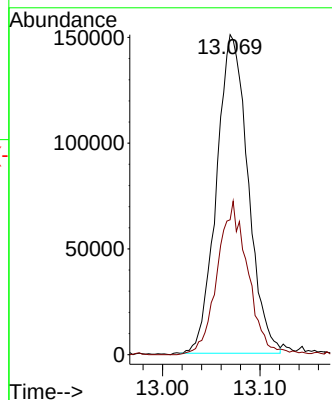
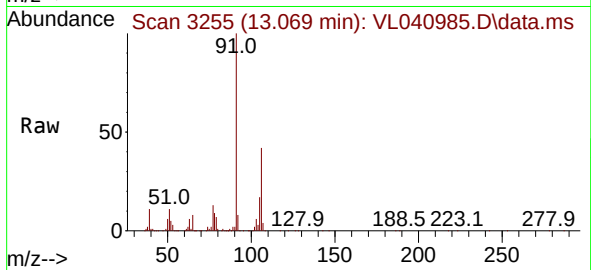
#60
o-Xylene
Concen: 1.215 ppbv
RT: 13.069 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

Instrument :
MSVOA_L
ClientSampleId :
OA1DL2

Tgt Ion: 91 Resp: 338049
Ion Ratio Lower Upper
91 100
106 46.9 22.6 67.7

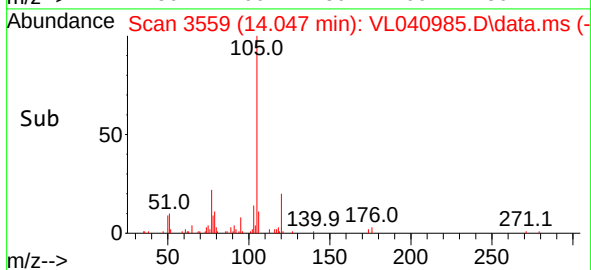
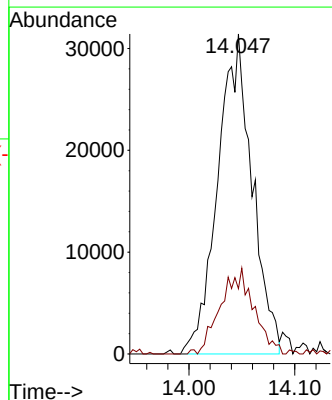
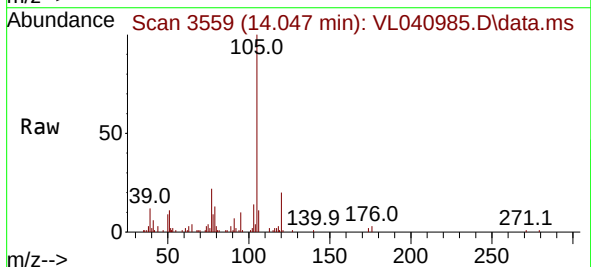
Manual Integrations
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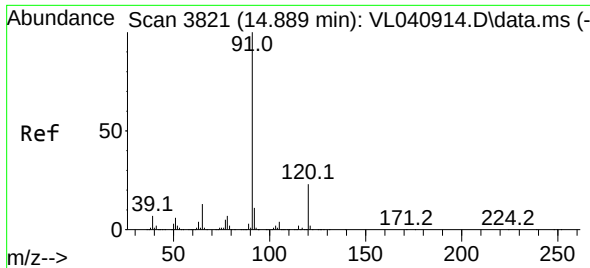
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024



#62
Isopropylbenzene
Concen: 0.172 ppbv m
RT: 14.047 min Scan# 3559
Delta R.T. 0.006 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

Tgt Ion:105 Resp: 70892
Ion Ratio Lower Upper
105 100
120 0.0 20.7 31.1#





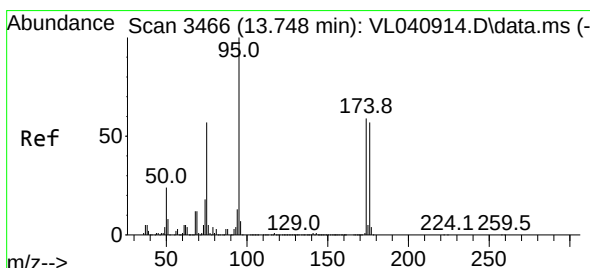
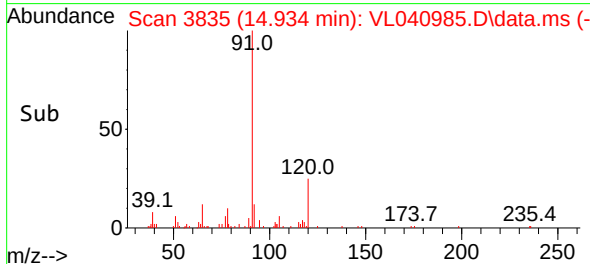
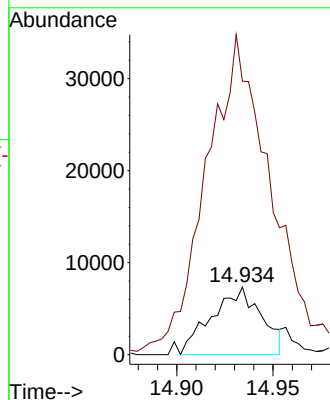
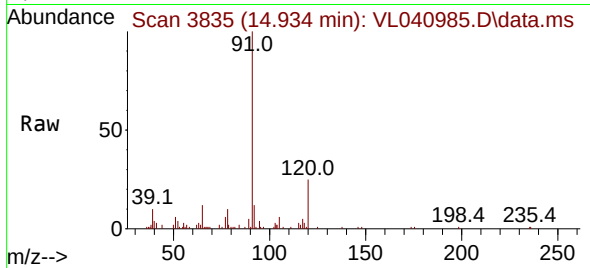
#64
n-propylbenzene
Concen: 0.127 ppbv m
RT: 14.934 min Scan# 3835
Delta R.T. 0.003 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

Instrument :
MSVOA_L
ClientSampleId :
OA1DL2

Tgt Ion:120 Resp: 13099
Ion Ratio Lower Upper
120 100
91 634.4 381.9 572.9

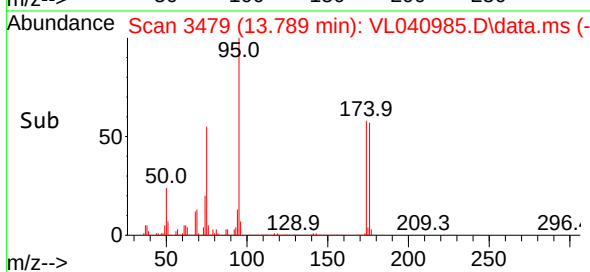
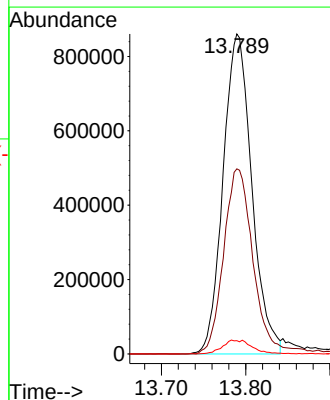
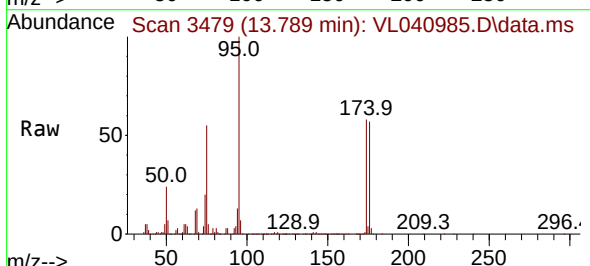
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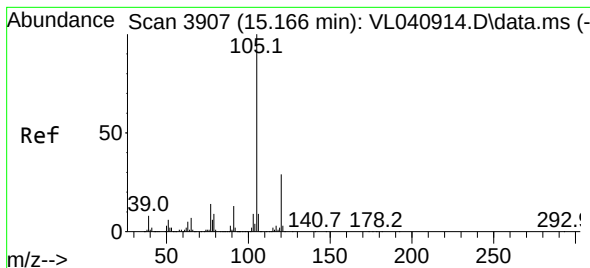
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.233 ppbv
RT: 13.789 min Scan# 3479
Delta R.T. -0.000 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

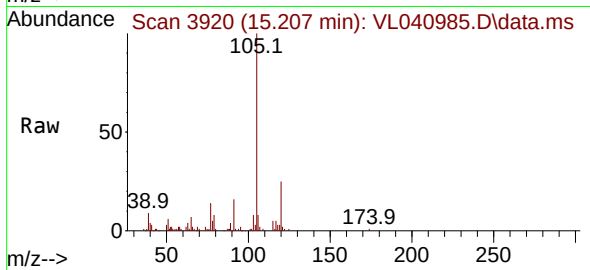
Tgt Ion: 95 Resp: 2036497
Ion Ratio Lower Upper
95 100
174 61.2 48.0 72.0
175 4.5 3.7 5.5





#72
4-Ethyltoluene
Concen: 0.315 ppbv
RT: 15.207 min Scan# 3910
Delta R.T. 0.003 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

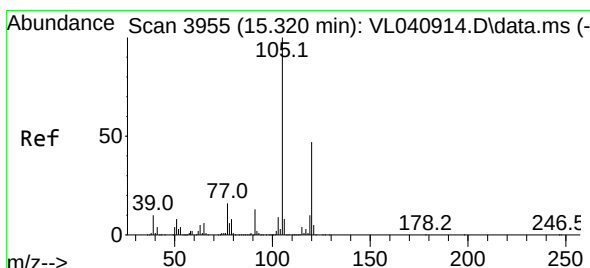
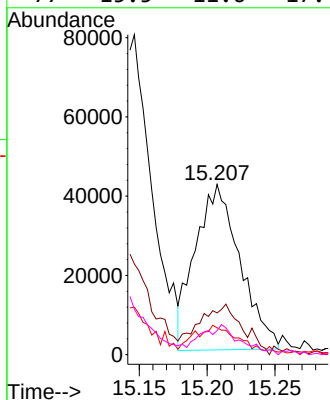
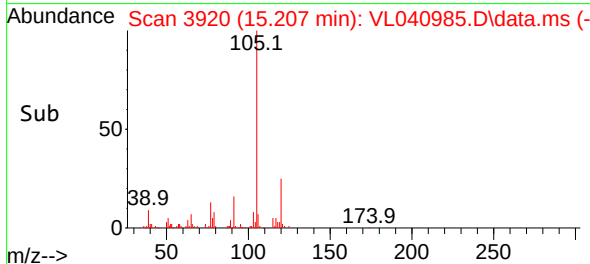
Instrument :
MSVOA_L
ClientSampleId :
OA1DL2



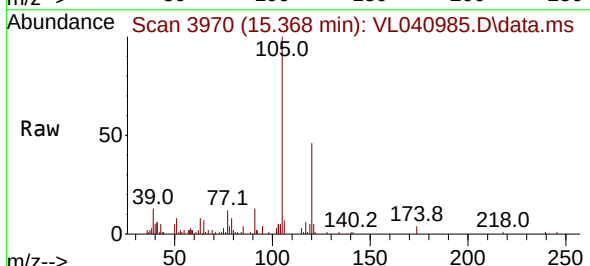
Tgt Ion:105 Resp: 96140
Ion Ratio Lower Upper
105 100
120 33.6 23.8 35.8
91 15.8 10.9 16.3
77 15.5 11.6 17.4

Manual Integrations
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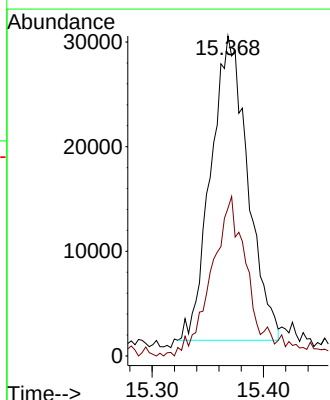
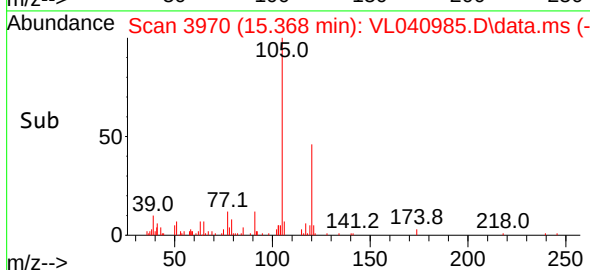
Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024

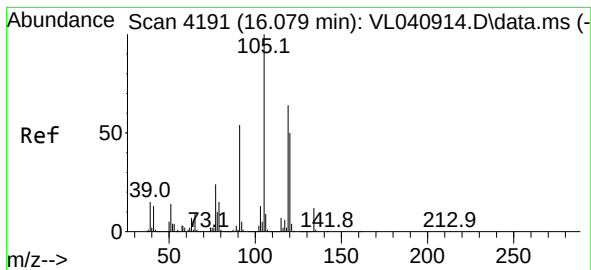


#73
1,3,5-Trimethylbenzene
Concen: 0.255 ppbv
RT: 15.368 min Scan# 3970
Delta R.T. 0.006 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55



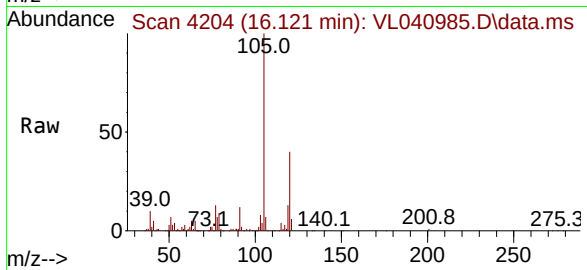
Tgt Ion:105 Resp: 67066
Ion Ratio Lower Upper
105 100
120 45.7 37.8 56.8





#74
1,2,4-Trimethylbenzene
Concen: 0.891 ppbv
RT: 16.121 min Scan# 4191
Delta R.T. -0.000 min
Lab File: VL040985.D
Acq: 16 Jan 2024 13:55

Instrument :
MSVOA_L
ClientSampleId :
OA1DL2



Tgt Ion:	105	Resp:	261264
Ion	Ratio	Lower	Upper
105	100		
120	39.7	40.2	60.4
91	11.8	43.0	64.6
77	13.3	18.9	28.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2024
Supervised By :Mahesh Dadoda 01/17/2024

