

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041552.D
 Acq On : 19 Aug 2024 17:56
 Operator : SY/MD
 Sample : P3658-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Quant Time: Aug 20 02:20:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Aug 20 02:10:04 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin
 Yesilyurt

08/20/2024
 Supervised By : Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	5.211	49	1053445	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2751839	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2561332	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.796	95	2717582	13.787	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	137.900%#

Target Compounds						Qvalue
3) Chlorodifluoromethane	2.690	51	172904	1.379	ppbv	97
9) Propene	2.719	41	9731139m	168.915	ppbv	
10) Heptane	7.603	43	353296	2.729	ppbv	97
13) Ethanol	3.263	45	72367	14.055	ppbv	82
15) Acetone	3.478	43	5419171	45.276	ppbv #	64
19) Isopropyl Alcohol	3.597	45	194438	2.779	ppbv #	93
20) Methylene Chloride	3.947	84	31907	0.715	ppbv #	75
26) Hexane	5.234	57	1059287	10.739	ppbv #	36
27) Carbon Disulfide	4.144	76	201525	1.746	ppbv	98
30) Cyclohexane	6.626	84	405898	5.053	ppbv	86
34) 2-Butanone	4.803	43	1838767	13.813	ppbv	99
36) Benzene	6.391	78	476853	2.371	ppbv	95
50) 4-Methyl-2-Pentanone	8.233	43	749221	3.567	ppbv	94
51) 2-Hexanone	9.571	43	458305	2.886	ppbv #	67
52) Tetrachloroethene	10.642	164	2499m	0.032	ppbv	
53) Toluene	9.246	91	843001	3.764	ppbv	100
58) Ethyl Benzene	12.111	91	306218	1.037	ppbv	94
59) m/p-Xylene	12.365	91	1127079	4.423	ppbv	96
60) o-Xylene	13.082	91	392141	1.627	ppbv	96
62) Isopropylbenzene	14.053	105	40279m	0.110	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.050	83	53326m	0.350	ppbv	
72) 4-Ethyltoluene	15.214	105	199364	0.702	ppbv #	92
73) 1,3,5-Trimethylbenzene	15.371	105	143451	0.587	ppbv	88
74) 1,2,4-Trimethylbenzene	16.130	105	639297	2.249	ppbv #	69
79) Naphthalene	21.416	128	65937m	0.263	ppbv	

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

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Acq On : 19 Aug 2024 17:56
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Misc : 400mL/MSVOA_L
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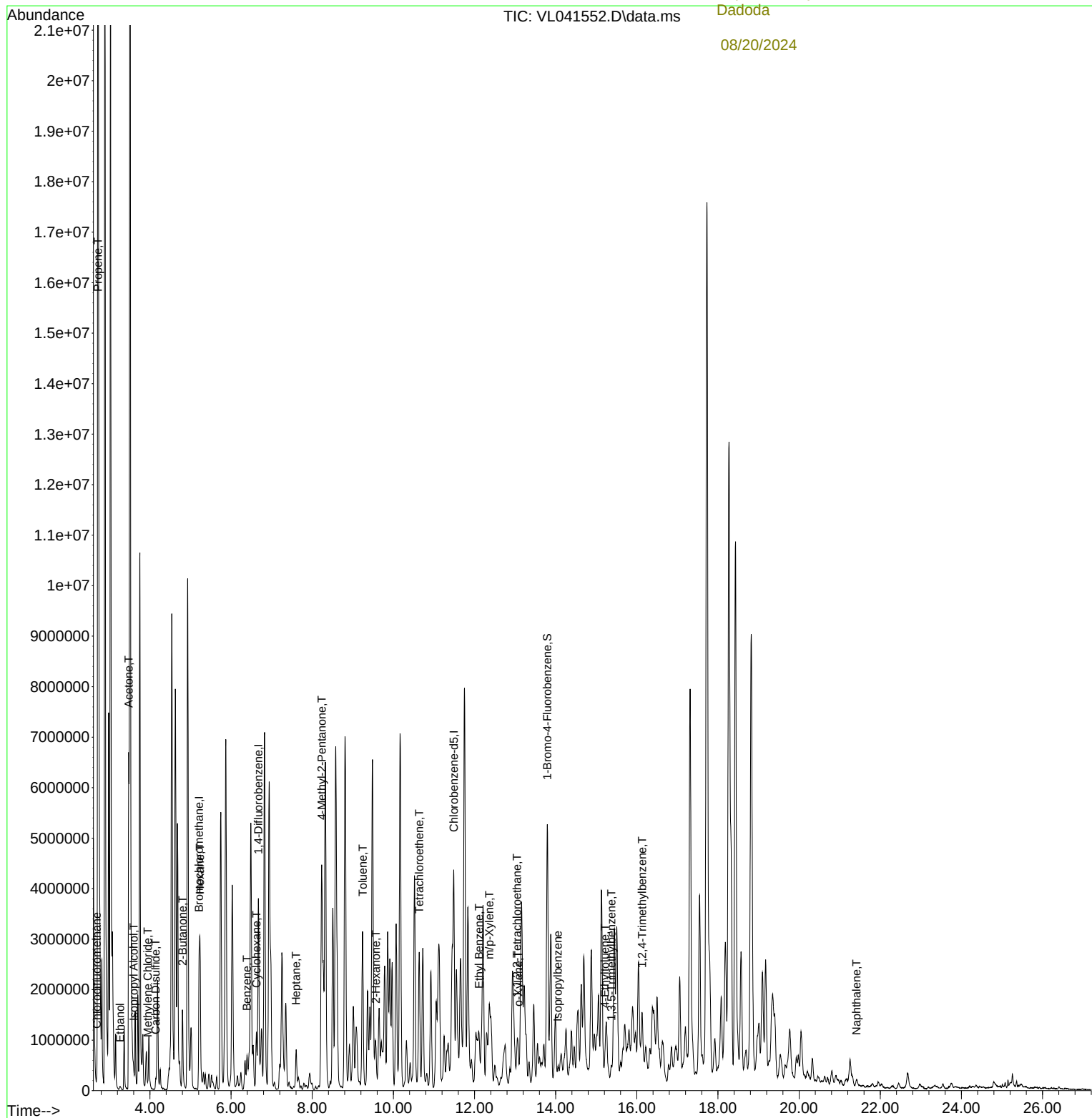
Instrument :
MSVOA_L
ClientSampleId :
SV2

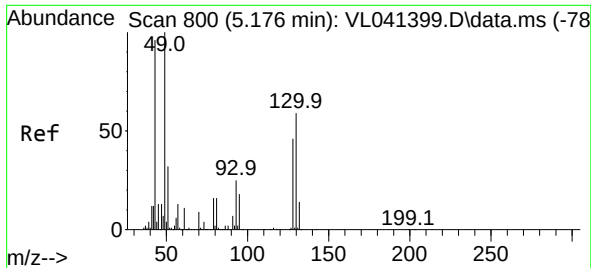
Quant Time: Aug 20 02:20:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Aug 20 02:10:04 2024
Response via : Initial Calibration

Manual Integrations
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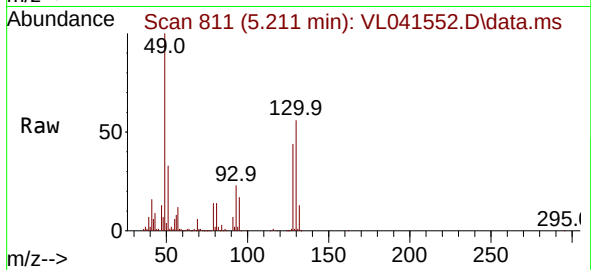
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Dadoda





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Instrument :
MSVOA_L
ClientSampleId :
SV2



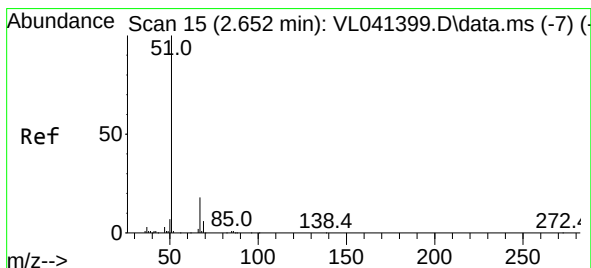
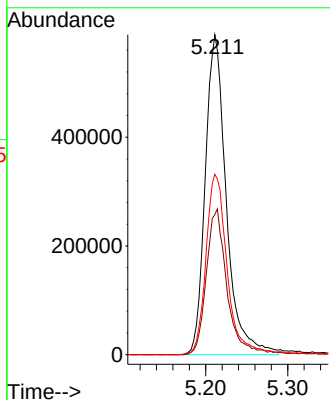
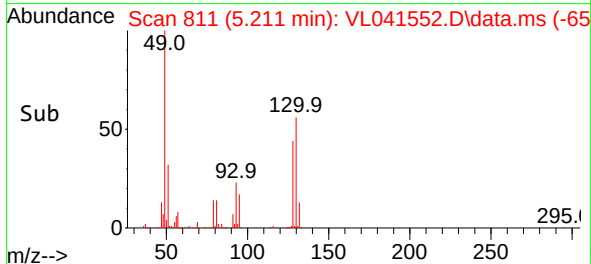
Tgt Ion: 49 Resp: 105344
Ion Ratio Lower Upper
49 100
128 45.6 23.8 71.4
130 57.6 30.8 92.4

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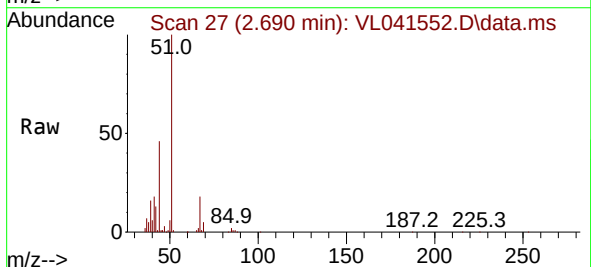
Reviewed By :Semsettin
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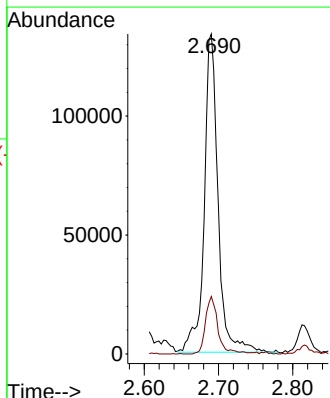
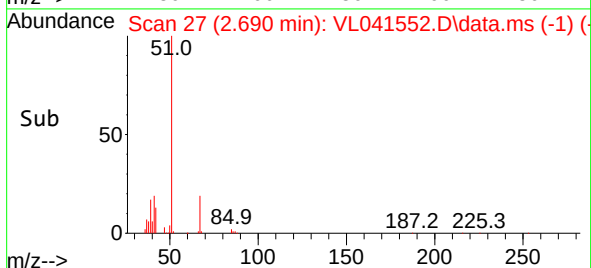
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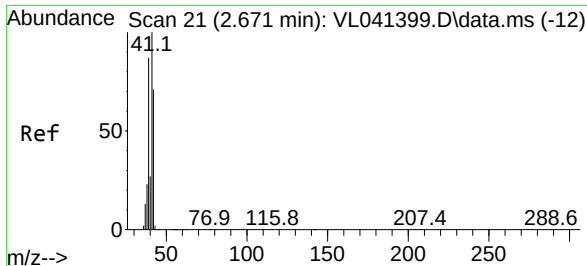


#3
Chlorodifluoromethane
Concen: 1.379 ppbv
RT: 2.690 min Scan# 27
Delta R.T. -0.003 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56



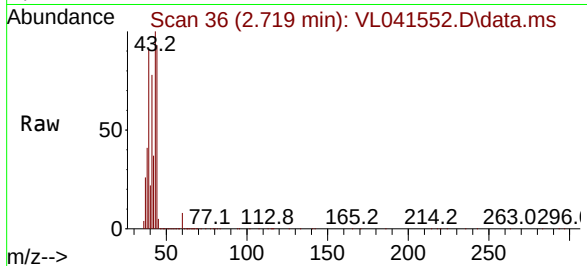
Tgt Ion: 51 Resp: 172904
Ion Ratio Lower Upper
51 100
67 16.8 14.5 21.7





#9
Propene
Concen: 168.915 ppbv m
RT: 2.719 min Scan# 30
Delta R.T. 0.006 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Instrument :
MSVOA_L
ClientSampleId :
SV2



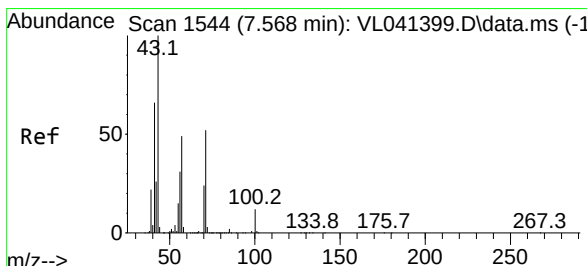
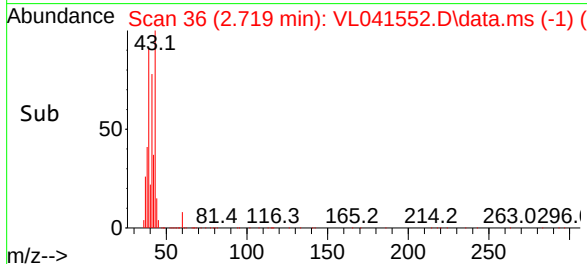
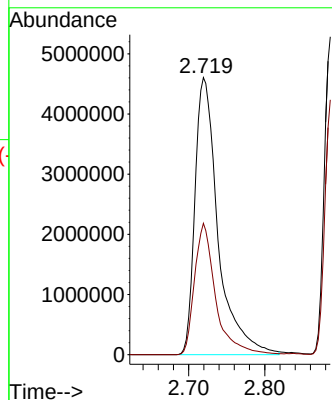
Tgt Ion: 41 Resp: 9731139
Ion Ratio Lower Upper
41 100
42 71.9 55.9 83.9

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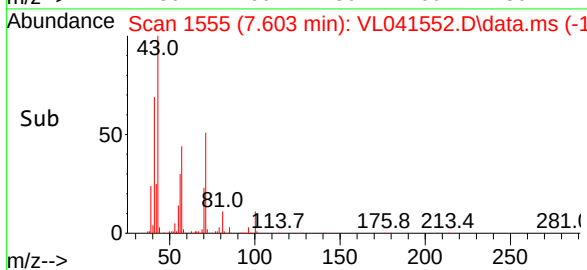
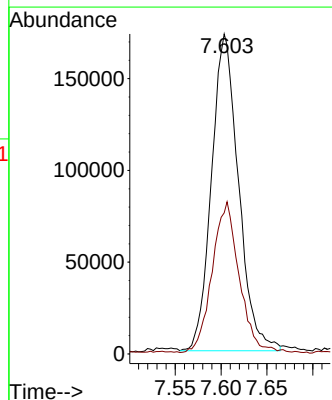
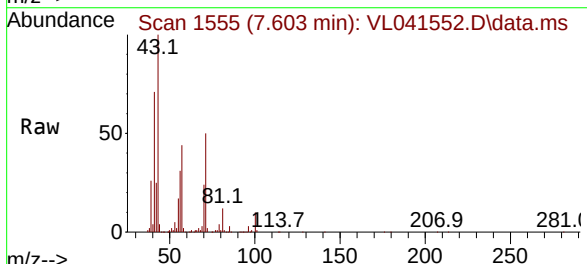
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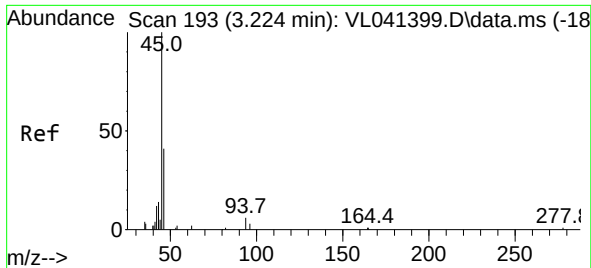
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#10
Heptane
Concen: 2.729 ppbv
RT: 7.603 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Tgt Ion: 43 Resp: 353296
Ion Ratio Lower Upper
43 100
57 48.5 40.5 60.7





#13
Ethanol
Concen: 14.055 ppbv
RT: 3.263 min Scan# 205
Delta R.T. 0.006 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Instrument :
MSVOA_L
ClientSampleId :
SV2

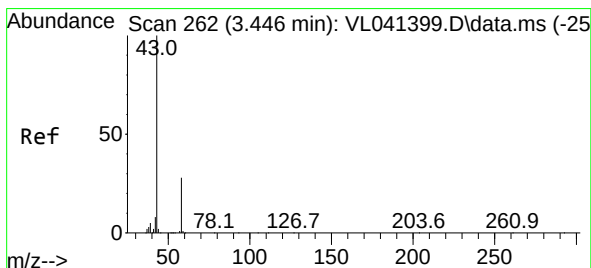
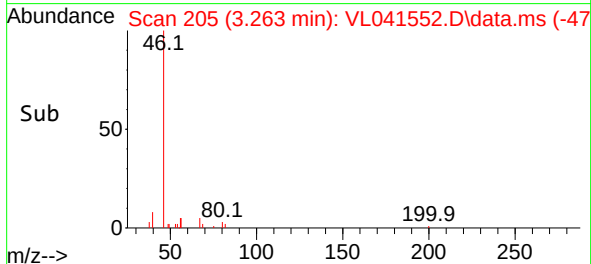
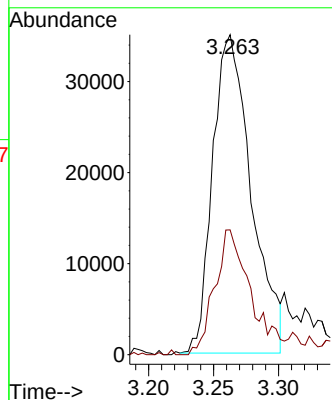
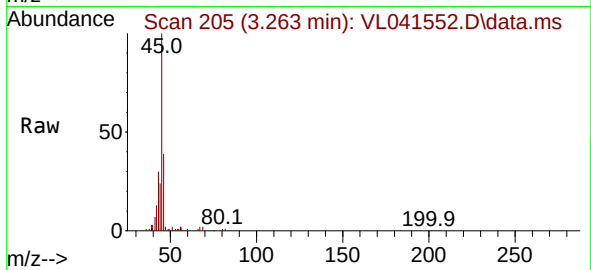
Tgt Ion: 45 Resp: 7236
Ion Ratio Lower Upper
45 100
46 43.9 13.4 53.4

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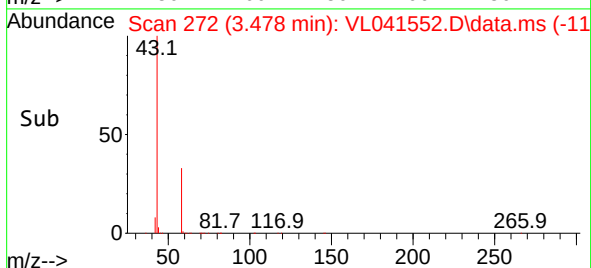
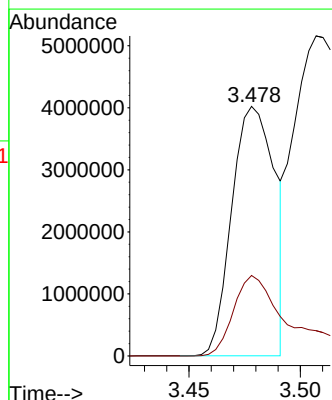
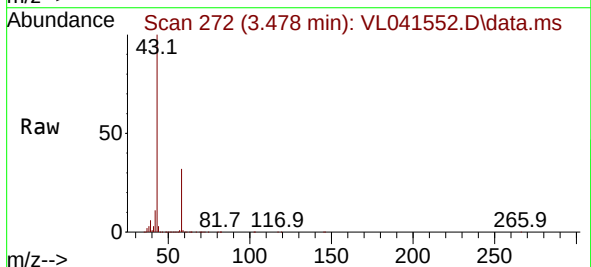
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Supervised By :Mahesh
Dadoda

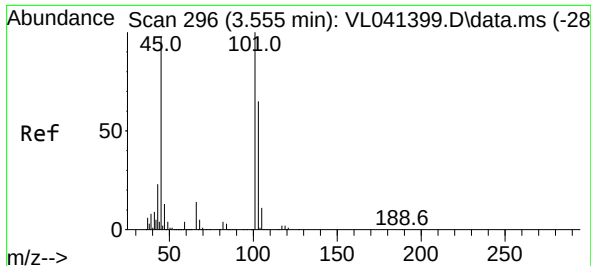
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#15
Acetone
Concen: 45.276 ppbv
RT: 3.478 min Scan# 272
Delta R.T. -0.006 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Tgt Ion: 43 Resp: 5419171
Ion Ratio Lower Upper
43 100
58 45.3 21.4 32.2#





#19
Isopropyl Alcohol
Concen: 2.779 ppbv
RT: 3.597 min Scan# 309
Delta R.T. 0.006 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Instrument :
MSVOA_L
ClientSampleId :
SV2

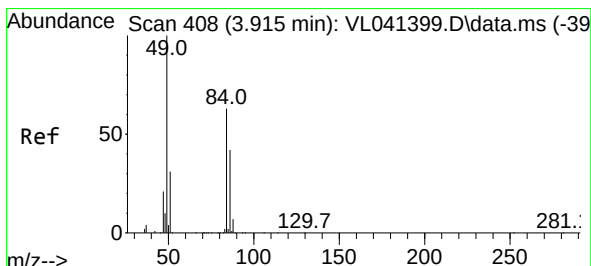
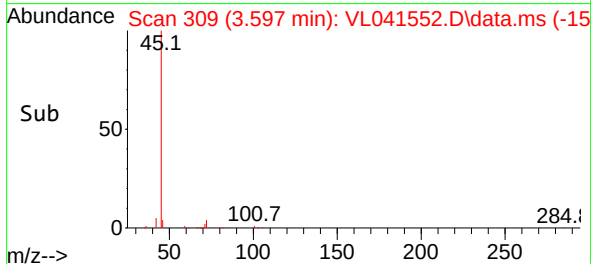
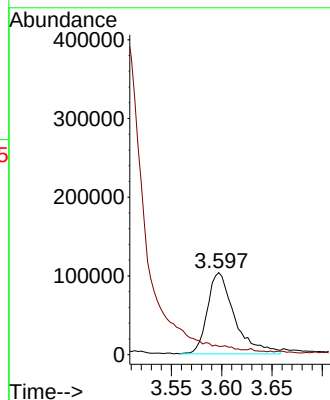
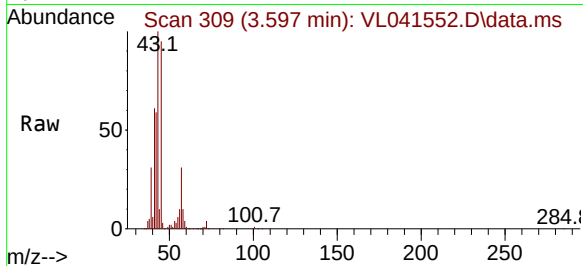
Tgt Ion: 45 Resp: 194438
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9

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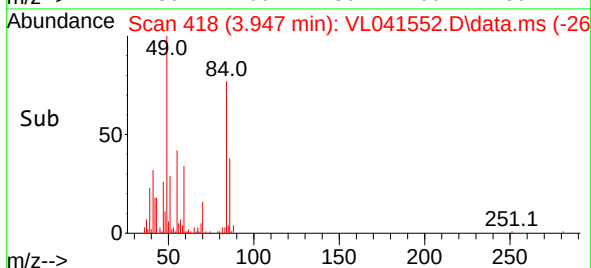
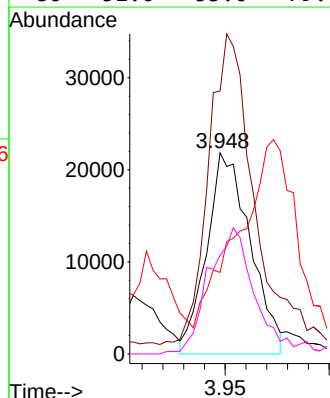
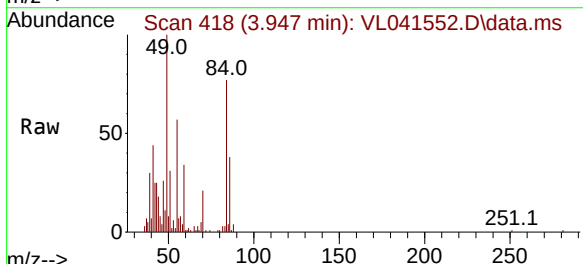
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Dadoda

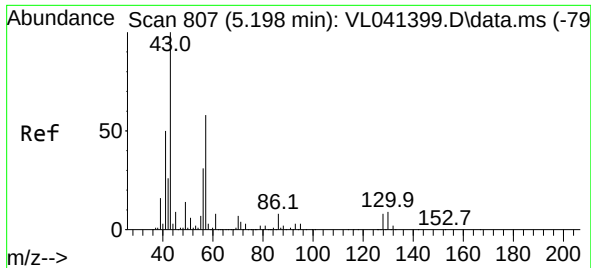
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#20
Methylene Chloride
Concen: 0.715 ppbv
RT: 3.947 min Scan# 418
Delta R.T. -0.003 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

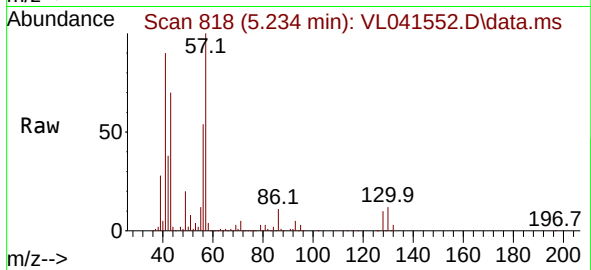
Tgt Ion: 84 Resp: 31907
Ion Ratio Lower Upper
84 100
49 131.8 126.6 190.0
51 13.6 38.6 58.0#
86 51.0 53.0 79.4#





#26
Hexane
Concen: 10.739 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.003 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Instrument :
MSVOA_L
ClientSampleId :
SV2



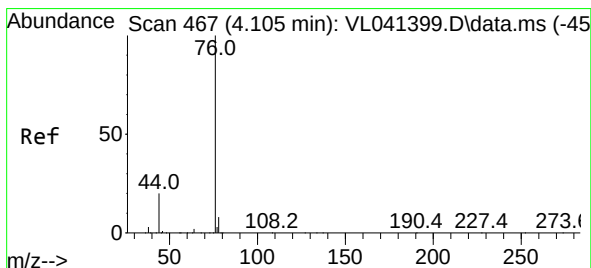
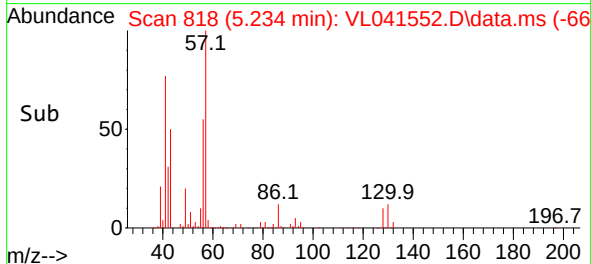
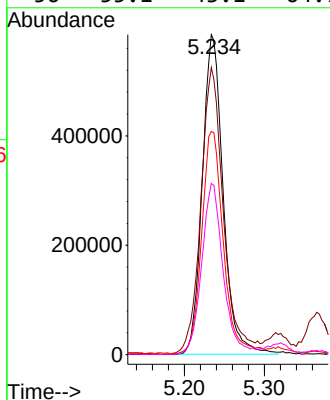
Tgt Ion: 57 Resp: 105928
Ion Ratio Lower Upper
57 100
41 97.1 74.0 111.0
43 71.6 193.6 290.4
56 55.1 43.1 64.7

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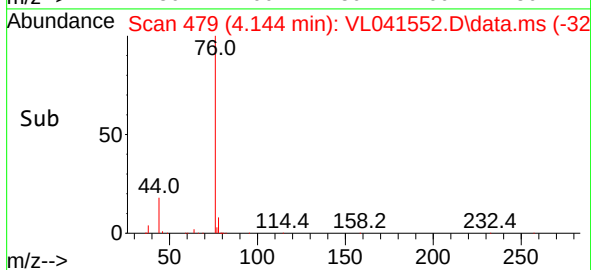
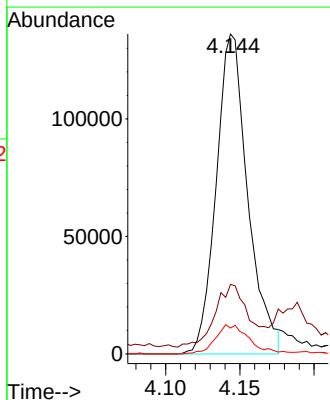
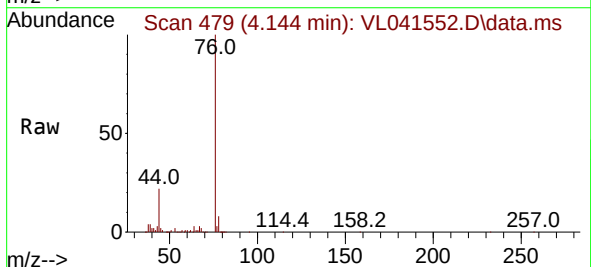
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Dadoda

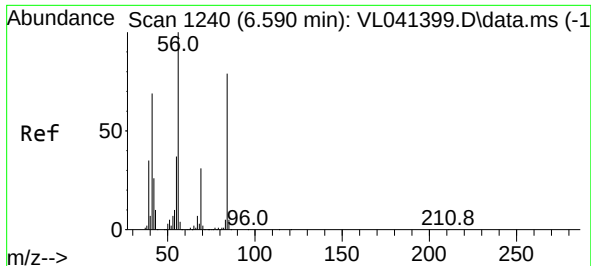
08/20/2024



#27
Carbon Disulfide
Concen: 1.746 ppbv
RT: 4.144 min Scan# 479
Delta R.T. 0.000 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

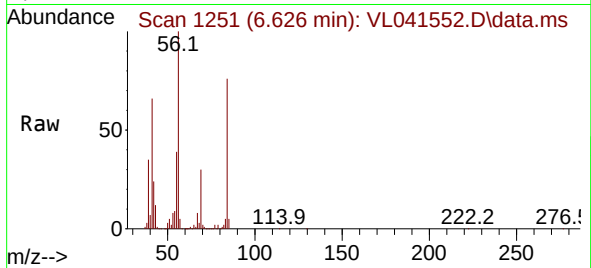
Tgt Ion: 76 Resp: 201525
Ion Ratio Lower Upper
76 100
44 20.6 15.6 23.4
78 10.3 7.7 11.5





#30
Cyclohexane
Concen: 5.053 ppbv
RT: 6.626 min Scan# 1251
Delta R.T. 0.003 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Instrument :
MSVOA_L
ClientSampleId :
SV2



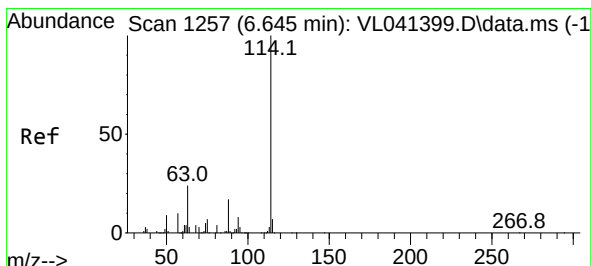
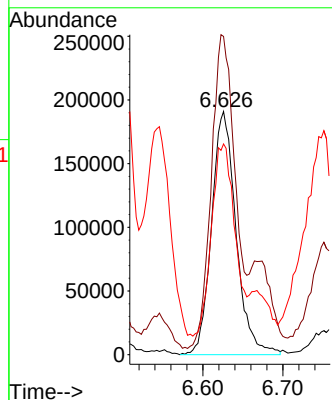
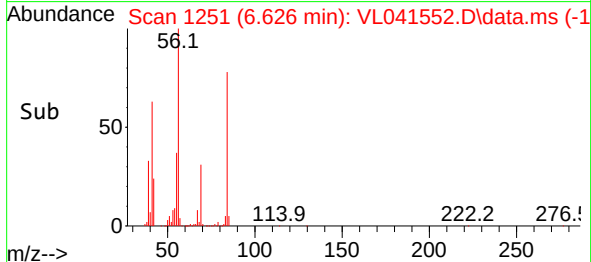
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Ion Ratio Lower Upper
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56 157.2 111.2 166.8
41 99.2 70.3 105.5

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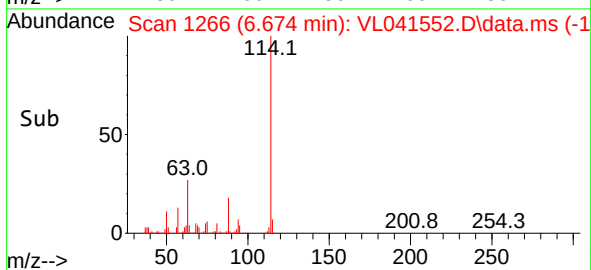
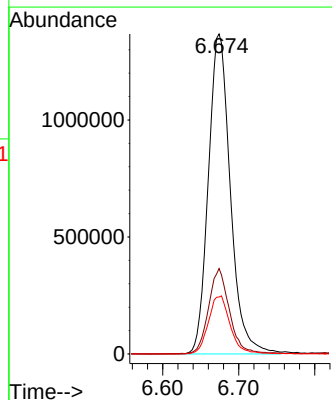
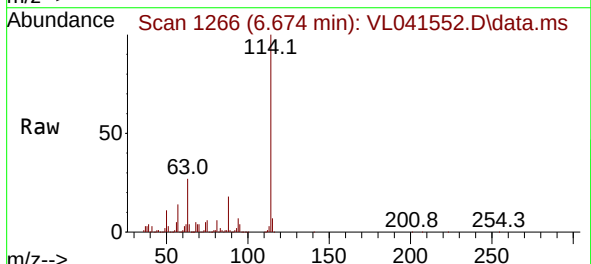
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Dadoda

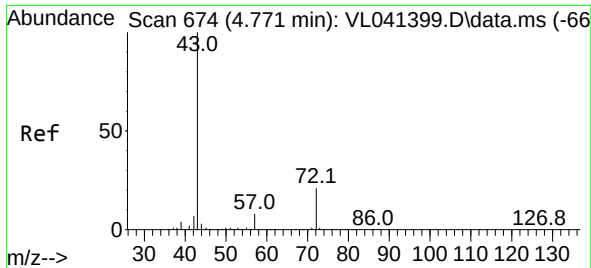
08/20/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. 0.003 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Tgt Ion:114 Resp: 2751839
Ion Ratio Lower Upper
114 100
63 25.5 20.3 30.5
88 18.1 14.3 21.5





#34
2-Butanone
Concen: 13.813 ppbv
RT: 4.803 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Instrument :
MSVOA_L
ClientSampleId :
SV2

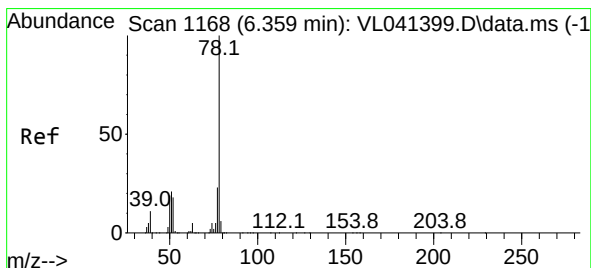
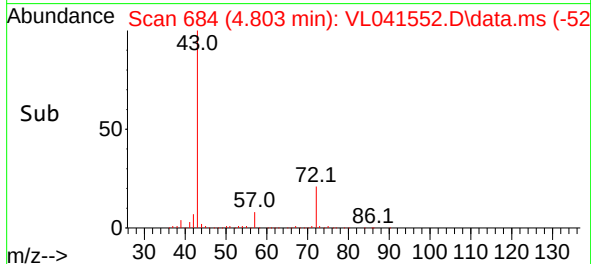
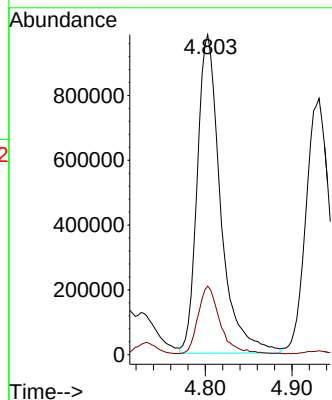
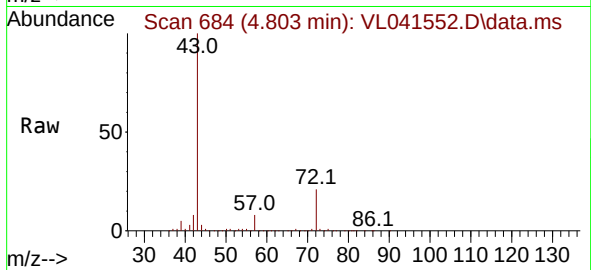
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Ion Ratio Lower Upper
43 100
72 20.9 17.3 25.9

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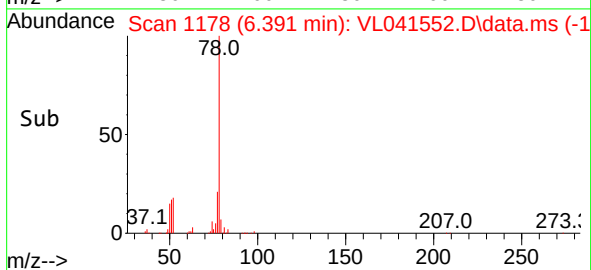
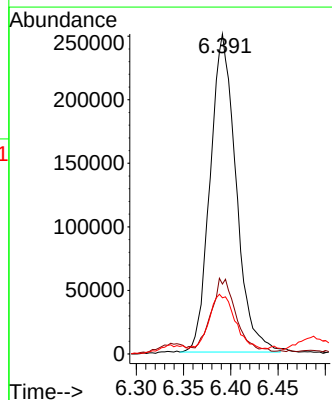
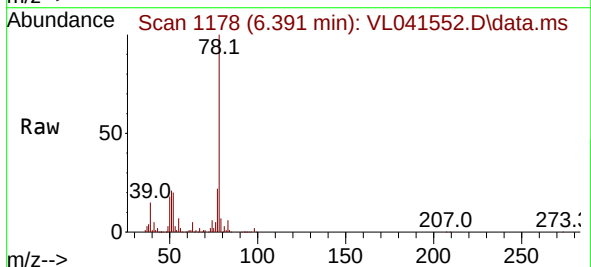
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Supervised By :Mahesh
Dadoda

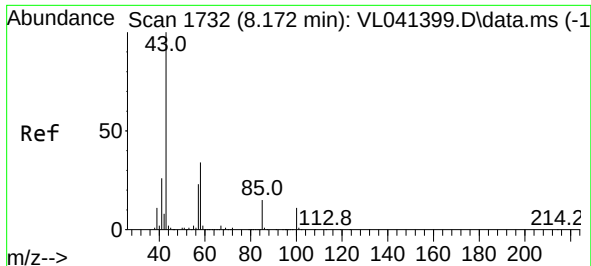
08/20/2024



#36
Benzene
Concen: 2.371 ppbv
RT: 6.391 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

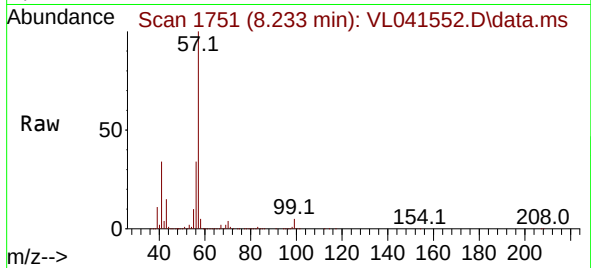
Tgt Ion: 78 Resp: 476853
Ion Ratio Lower Upper
78 100
77 21.0 18.1 27.1
50 15.9 15.5 23.3





#50
4-Methyl-2-Pentanone
Concen: 3.567 ppbv
RT: 8.233 min Scan# 1732
Delta R.T. 0.035 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Instrument :
MSVOA_L
ClientSampleId :
SV2



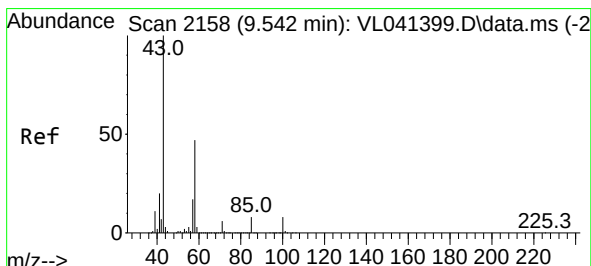
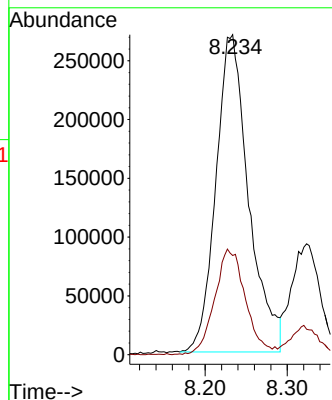
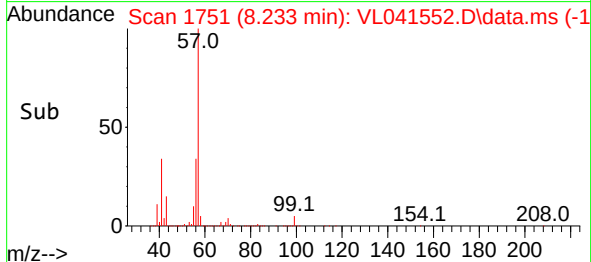
Tgt Ion: 43 Resp: 74922
Ion Ratio Lower Upper
43 100
58 31.3 27.9 41.9

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Reviewed By :Semsettin
Yesilyurt

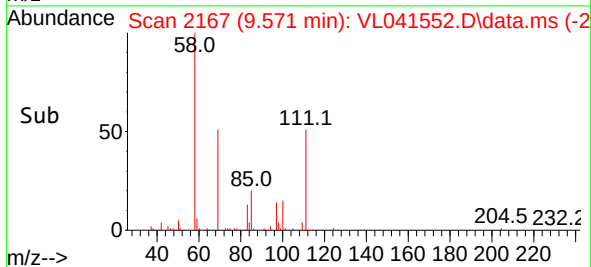
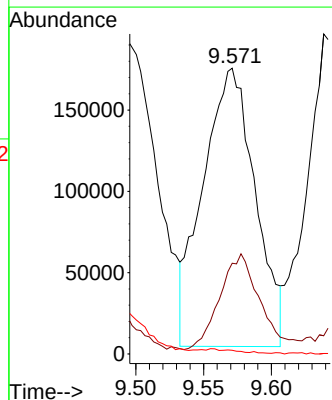
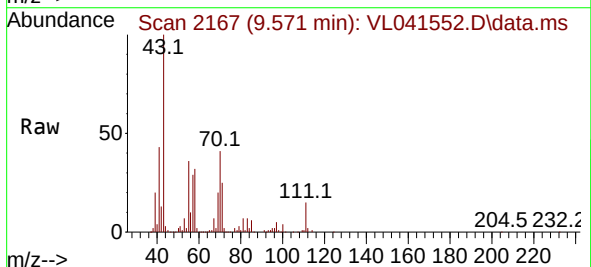
08/20/2024
Supervised By :Mahesh
Dadoda

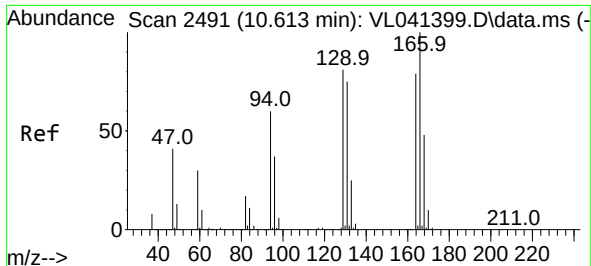
08/20/2024



#51
2-Hexanone
Concen: 2.886 ppbv
RT: 9.571 min Scan# 2167
Delta R.T. 0.000 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

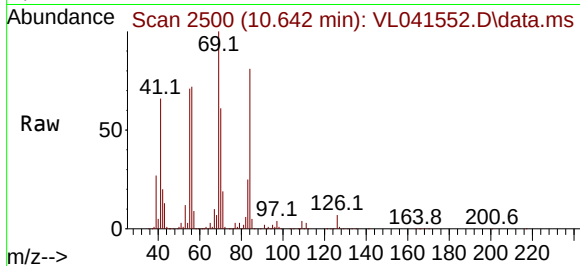
Tgt Ion: 43 Resp: 458305
Ion Ratio Lower Upper
43 100
58 25.4 38.2 57.2#
98 1.6 0.3 0.5#





#52
Tetrachloroethene
Concen: 0.032 ppbv m
RT: 10.642 min Scan# 2491
Delta R.T. 0.006 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Instrument :
MSVOA_L
ClientSampleId :
SV2



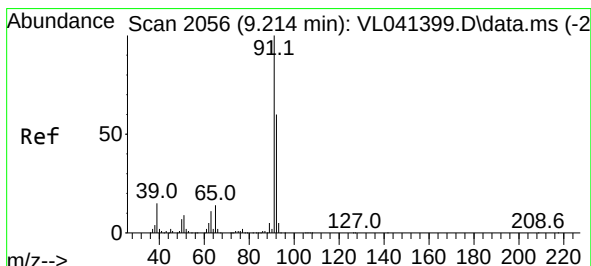
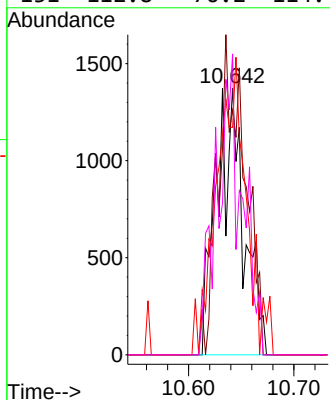
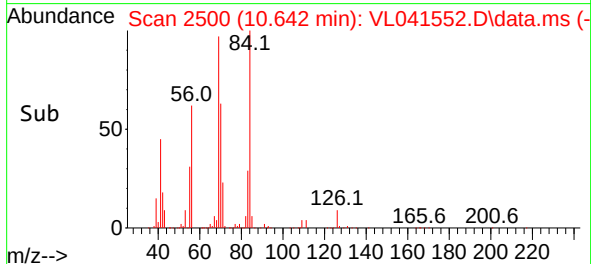
Tgt Ion:164 Resp: 2491
Ion Ratio Lower Upper
164 100
166 52.9 101.1 151.7
129 85.3 81.7 122.5
131 112.8 76.2 114.4

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Reviewed By :Semsettin
Yesilyurt

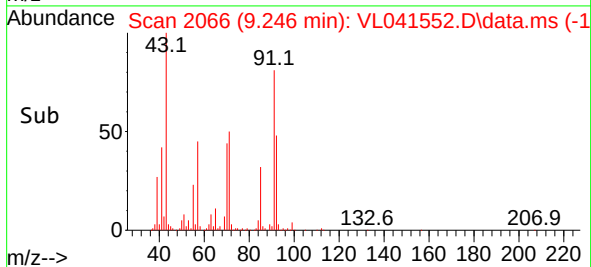
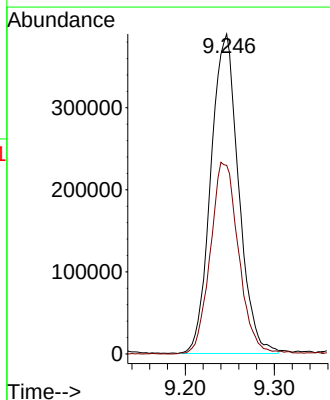
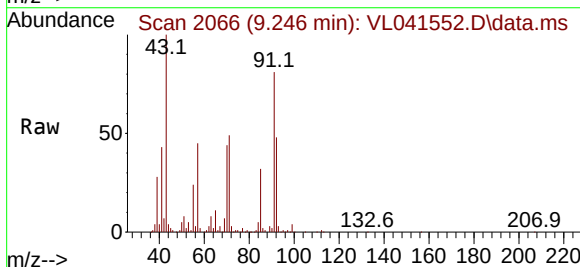
08/20/2024
Supervised By :Mahesh
Dadoda

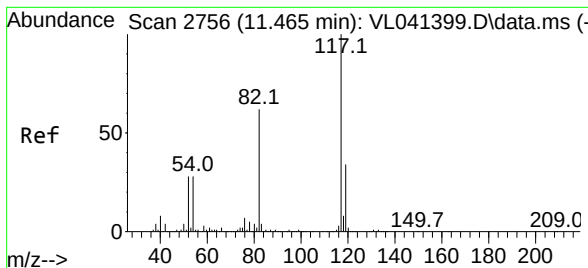
08/20/2024



#53
Toluene
Concen: 3.764 ppbv
RT: 9.246 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

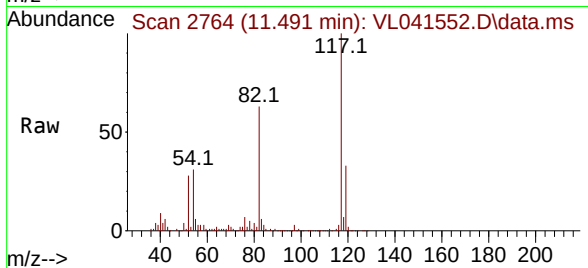
Tgt Ion: 91 Resp: 843001
Ion Ratio Lower Upper
91 100
92 61.1 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Instrument :
MSVOA_L
ClientSampleId :
SV2



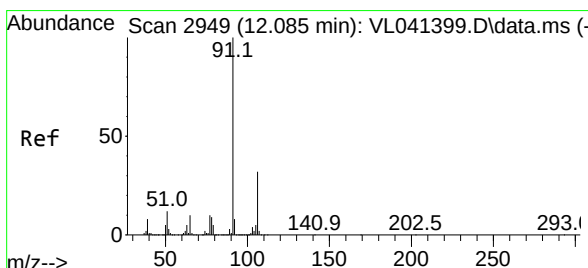
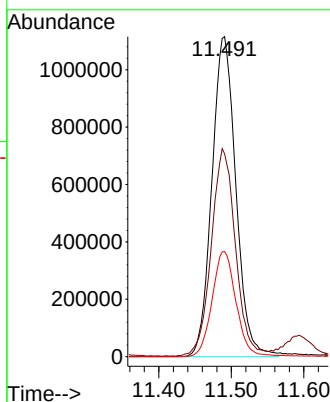
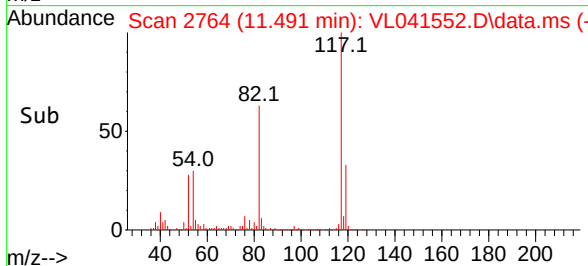
Tgt Ion: 117 Resp: 256133
Ion Ratio Lower Upper
117 100
82 64.9 51.0 76.6
119 33.2 45.2 67.8

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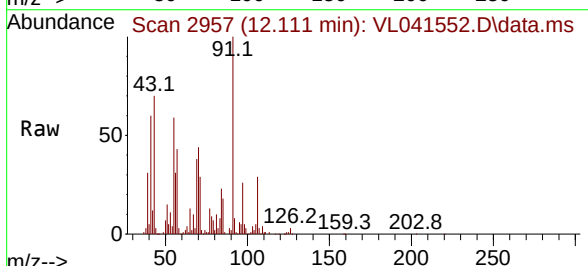
Reviewed By :Semsettin
Yesilyurt

08/20/2024
Supervised By :Mahesh
Dadoda

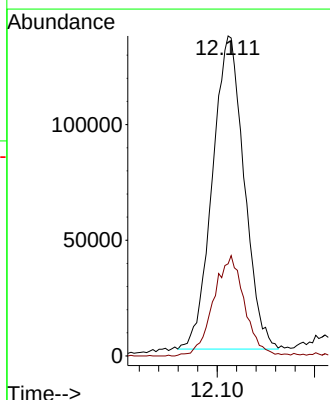
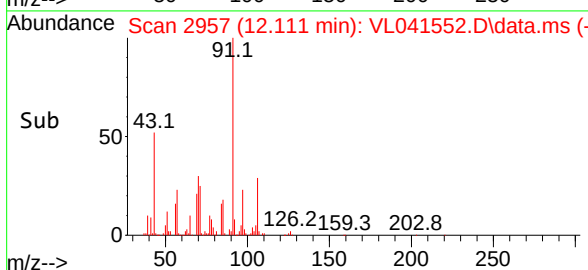
08/20/2024

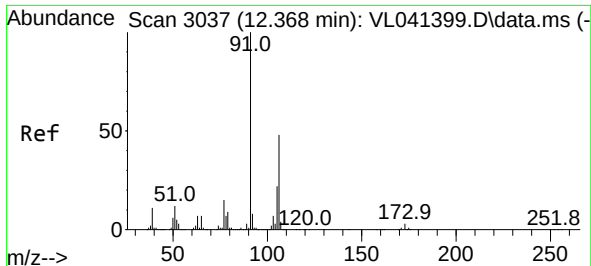


#58
Ethyl Benzene
Concen: 1.037 ppbv
RT: 12.111 min Scan# 2957
Delta R.T. 0.000 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56



Tgt Ion: 91 Resp: 306218
Ion Ratio Lower Upper
91 100
106 29.2 25.8 38.8





#59
m/p-Xylene
Concen: 4.423 ppbv
RT: 12.365 min Scan# 3036
Delta R.T. -0.029 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Instrument :
MSVOA_L
ClientSampleId :
SV2

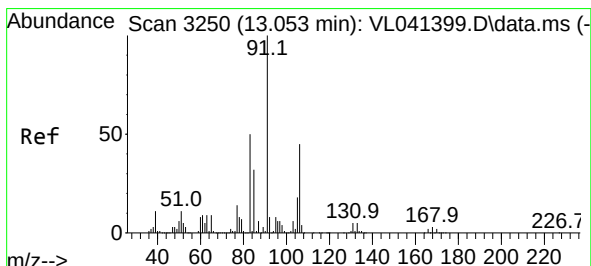
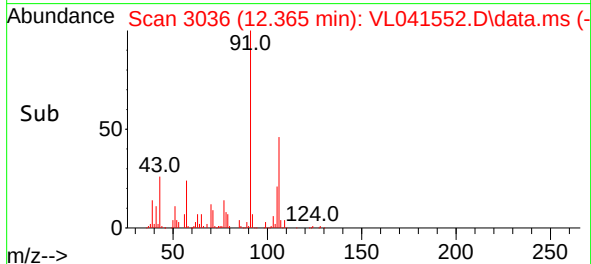
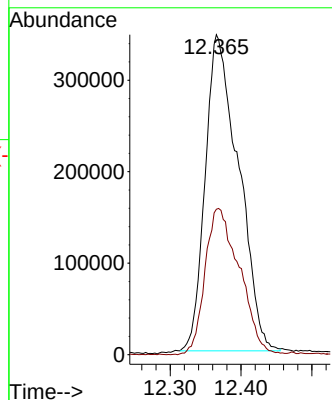
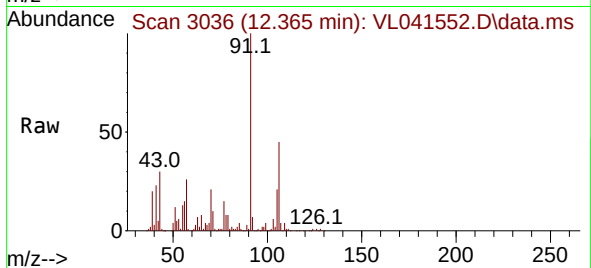
Tgt Ion: 91 Resp: 1127079
Ion Ratio Lower Upper
91 100
106 48.1 36.3 54.5

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Yesilyurt

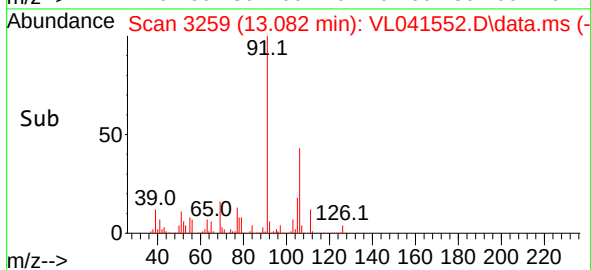
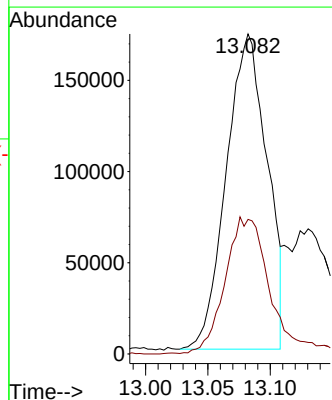
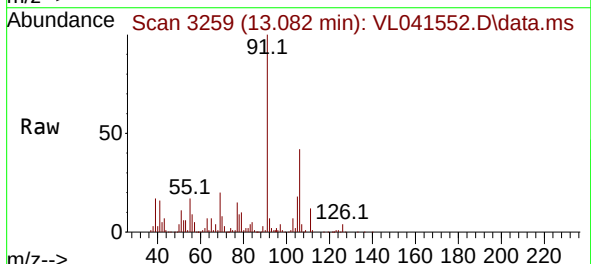
08/20/2024
Supervised By :Mahesh
Dadoda

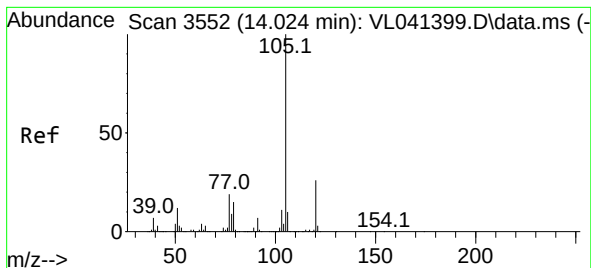
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#60
o-Xylene
Concen: 1.627 ppbv
RT: 13.082 min Scan# 3259
Delta R.T. 0.003 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

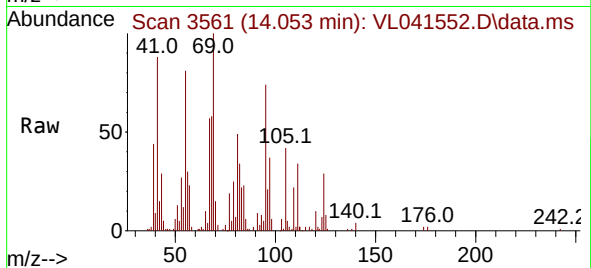
Tgt Ion: 91 Resp: 392141
Ion Ratio Lower Upper
91 100
106 48.6 23.1 69.3





#62
Isopropylbenzene
Concen: 0.110 ppbv m
RT: 14.053 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Instrument :
MSVOA_L
ClientSampleId :
SV2



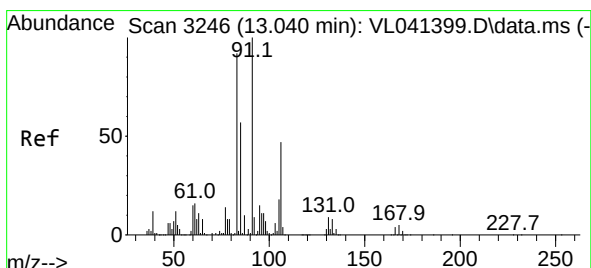
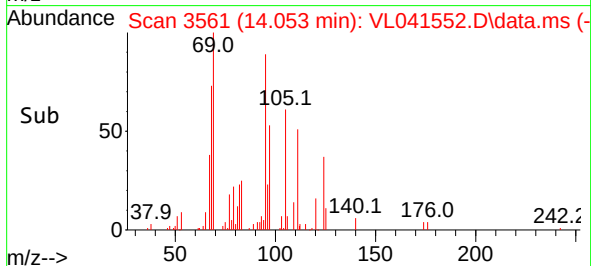
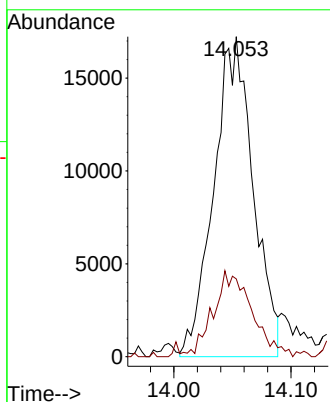
Tgt Ion:105 Resp: 40279
Ion Ratio Lower Upper
105 100
120 0.0 21.0 31.4

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Reviewed By :Semsettin
Yesilyurt

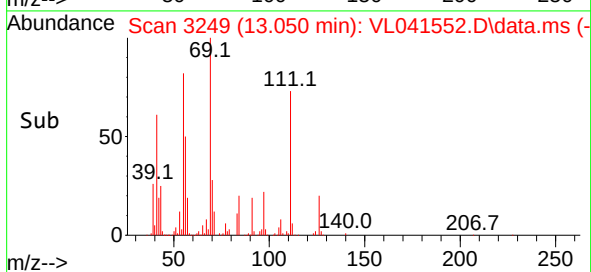
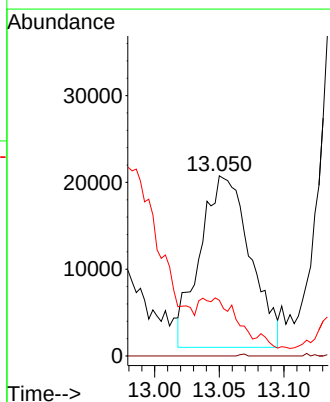
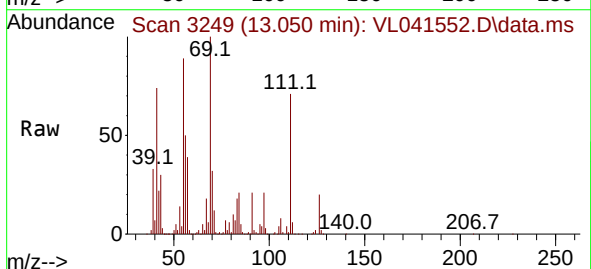
08/20/2024
Supervised By :Mahesh
Dadoda

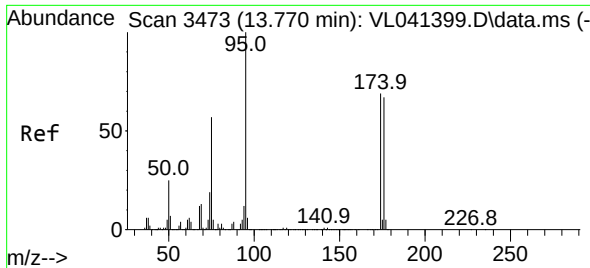
08/20/2024



#63
1,1,2,2-Tetrachloroethane
Concen: 0.350 ppbv m
RT: 13.050 min Scan# 3249
Delta R.T. -0.019 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

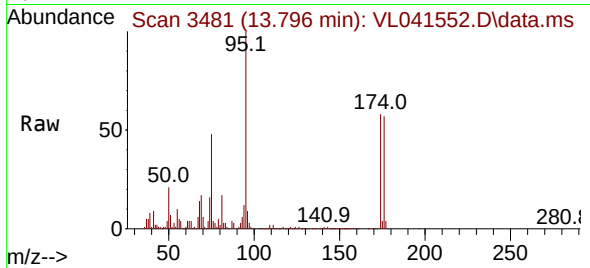
Tgt Ion: 83 Resp: 53326
Ion Ratio Lower Upper
83 100
131 0.1 4.8 14.4#
85 25.1 32.6 98.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 13.787 ppbv
RT: 13.796 min Scan# 3473
Delta R.T. -0.003 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Instrument :
MSVOA_L
ClientSampleId :
SV2



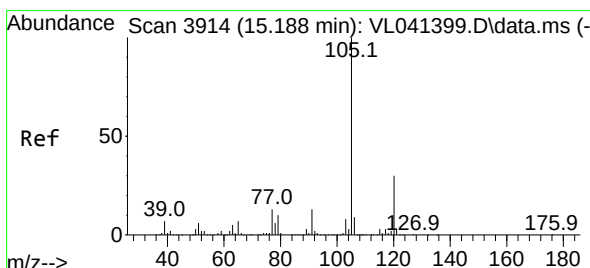
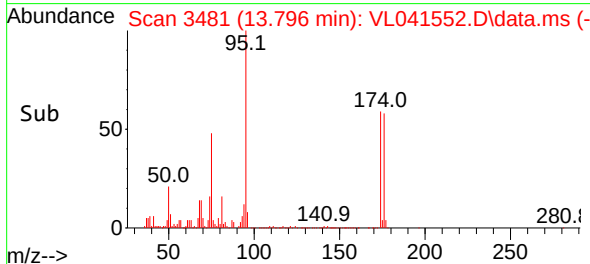
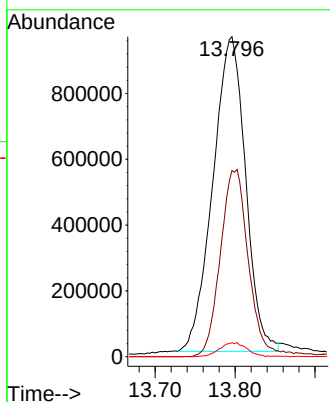
Tgt Ion: 95 Resp: 271758
Ion Ratio Lower Upper
95 100
174 52.6 56.3 84.5
175 3.8 4.0 6.0

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Reviewed By :Semsettin
Yesilyurt

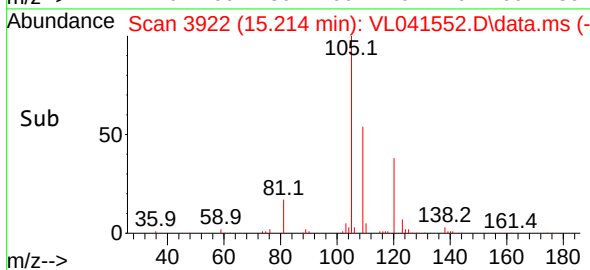
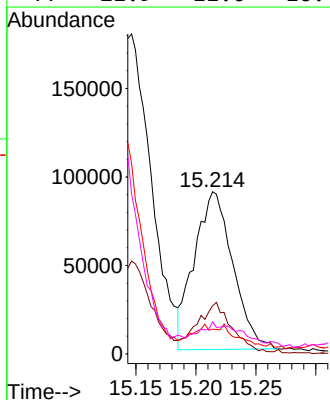
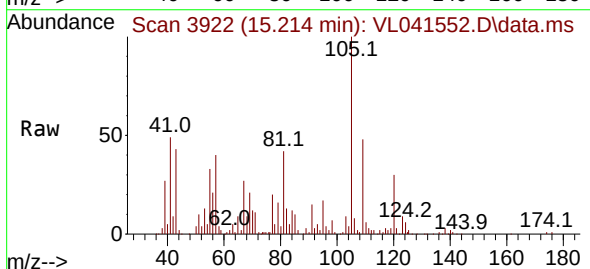
08/20/2024
Supervised By :Mahesh
Dadoda

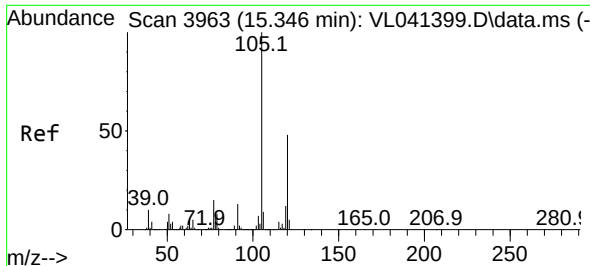
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#72
4-Ethyltoluene
Concen: 0.702 ppbv
RT: 15.214 min Scan# 3922
Delta R.T. 0.000 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

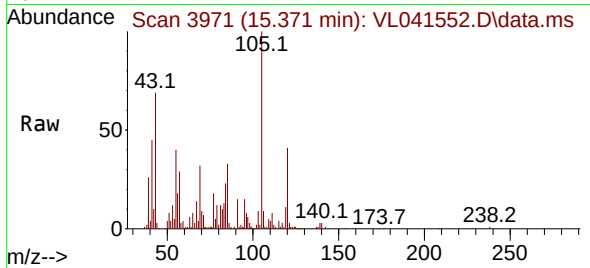
Tgt Ion:105 Resp: 199364
Ion Ratio Lower Upper
105 100
120 31.4 24.2 36.2
91 16.5 10.4 15.6#
77 21.9 11.0 16.4#





#73
1,3,5-Trimethylbenzene
Concen: 0.587 ppbv
RT: 15.371 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Instrument :
MSVOA_L
ClientSampleId :
SV2



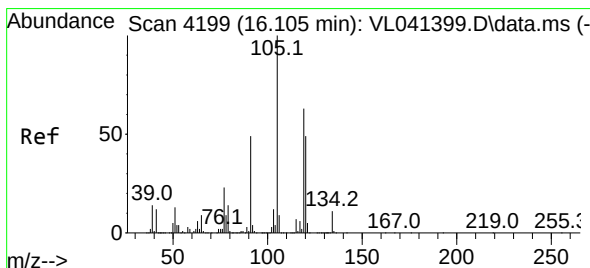
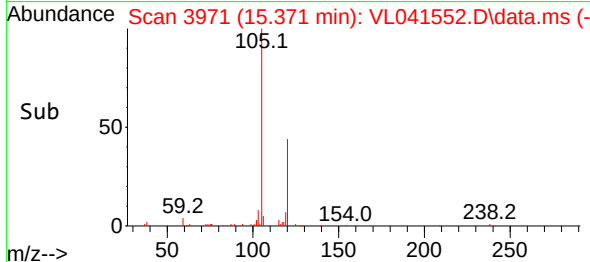
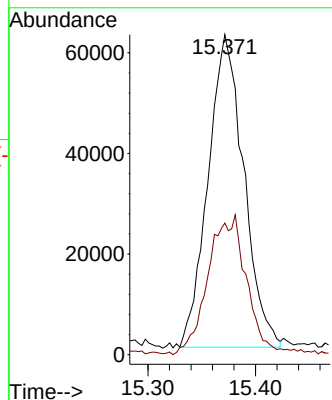
Tgt Ion:105 Resp: 14345
Ion Ratio Lower Upper
105 100
120 39.8 38.6 57.8

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

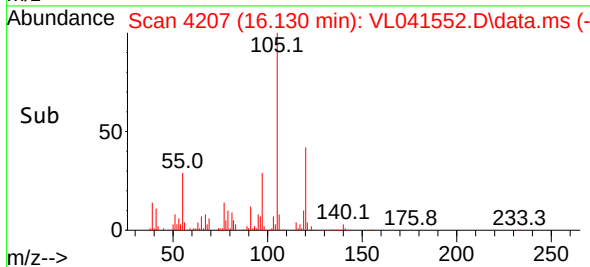
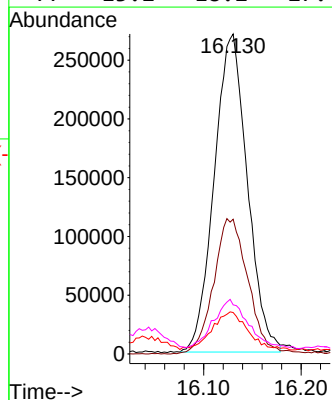
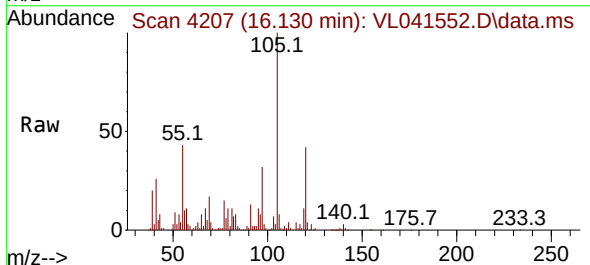
08/20/2024
Supervised By :Mahesh
Dadoda

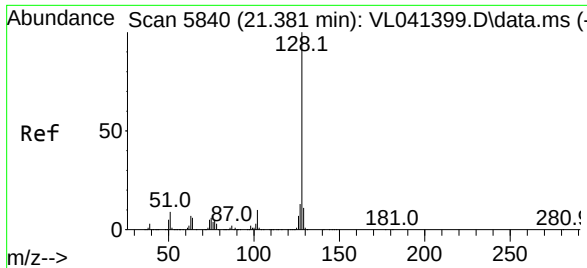
08/20/2024



#74
1,2,4-Trimethylbenzene
Concen: 2.249 ppbv
RT: 16.130 min Scan# 4207
Delta R.T. 0.003 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

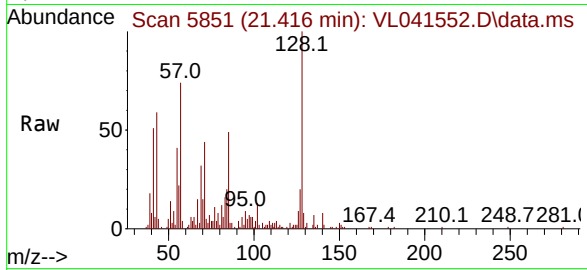
Tgt Ion:105 Resp: 639297
Ion Ratio Lower Upper
105 100
120 41.7 39.5 59.3
91 11.6 39.8 59.8#
77 13.2 18.2 27.4#





#79
Naphthalene
Concen: 0.263 ppbv m
RT: 21.416 min Scan# 5840
Delta R.T. 0.006 min
Lab File: VL041552.D
Acq: 19 Aug 2024 17:56

Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:	128	Resp:	6593
Ion Ratio	Lower	Upper	
128	100		
127	20.1	10.3	15.5
129	8.0	9.0	13.4

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt

08/20/2024
Supervised By :Mahesh
Dadoda

08/20/2024

