

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041440.D
 Acq On : 29 Jul 2024 22:28
 Operator : SY/MD
 Sample : P3342-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-IA-03

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024
 Supervised By :Semsettin Yesilyurt 07/30/2024

Quant Time: Jul 30 02:55:25 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Tue Jul 30 02:42:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1063656	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.652	114	2876090	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2629445	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2029848	10.031	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.729	85	64093	0.350	ppbv	100
4) Chloromethane	2.813	50	52126	0.774	ppbv	94
9) Propene	2.706	41	184000m	3.163	ppbv	
10) Heptane	7.584	43	66025	0.505	ppbv	95
11) Trichlorofluoromethane	3.565	101	37781	0.232	ppbv	90
13) Ethanol	3.237	45	531648	102.261	ppbv	92
15) Acetone	3.465	43	1981668m	16.397	ppbv	
19) Isopropyl Alcohol	3.581	45	281258m	3.981	ppbv	
20) Methylene Chloride	3.931	84	49108	1.090	ppbv	93
26) Hexane	5.214	57	200061	2.009	ppbv	# 55
29) Chloroform	5.279	83	21633m	0.133	ppbv	
30) Cyclohexane	6.603	84	13276m	0.164	ppbv	
34) 2-Butanone	4.787	43	220229	1.583	ppbv	97
35) Carbon Tetrachloride	6.488	117	9852m	0.062	ppbv	
36) Benzene	6.369	78	146707	0.698	ppbv	99
37) 1,2-Dichloroethane	5.809	62	55817	0.475	ppbv	# 95
41) Tetrahydrofuran	5.565	42	138999	1.747	ppbv	98
44) 2,2,4-Trimethylpentane	7.330	57	99643	0.284	ppbv	# 76
53) Toluene	9.221	91	914590	3.907	ppbv	100
58) Ethyl Benzene	12.092	91	97095m	0.320	ppbv	
59) m/p-Xylene	12.343	91	220628	0.843	ppbv	95
60) o-Xylene	13.056	91	80261	0.324	ppbv	98
61) Styrene	12.899	104	38604m	0.346	ppbv	
74) 1,2,4-Trimethylbenzene	16.105	105	57388m	0.197	ppbv	

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

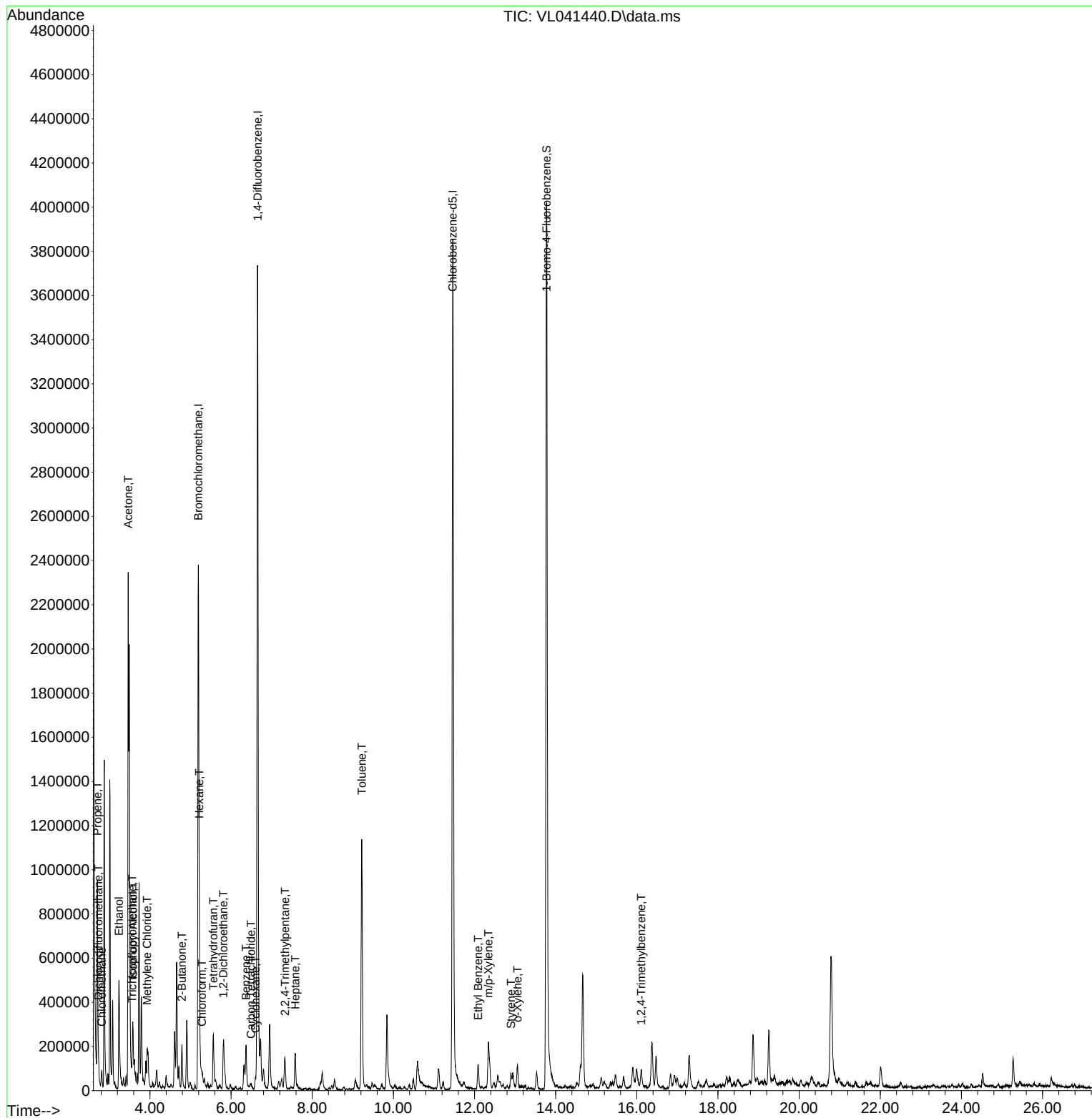
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
Data File : VL041440.D
Acq On : 29 Jul 2024 22:28
Operator : SY/MD
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ALS Vial : 1 Sample Multiplier: 1

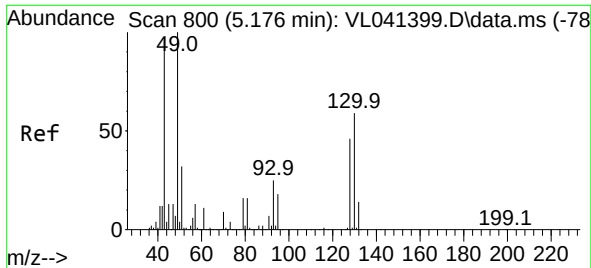
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03

Quant Time: Jul 30 02:55:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jul 30 02:42:20 2024
Response via : Initial Calibration

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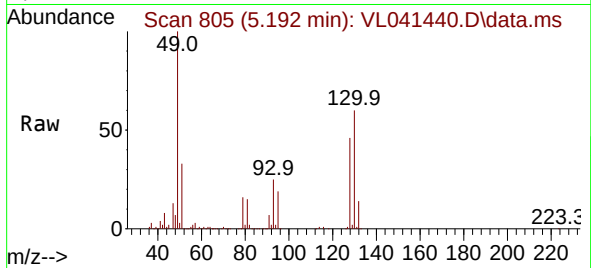
Reviewed By : Mahesh Dadoda 07/30/2024
Supervised By : Semsettin Yesilyurt 07/30/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

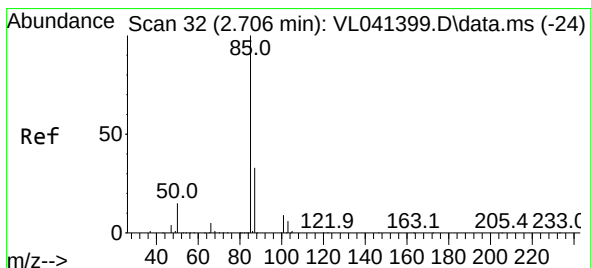
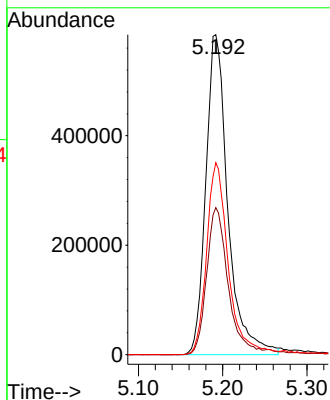
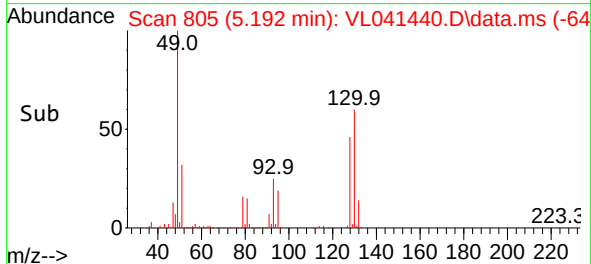
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03



Tgt Ion: 49 Resp: 106365
Ion Ratio Lower Upper
49 100
128 46.8 23.8 71.4
130 60.2 30.8 92.4

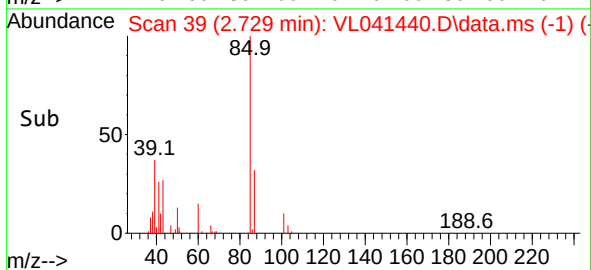
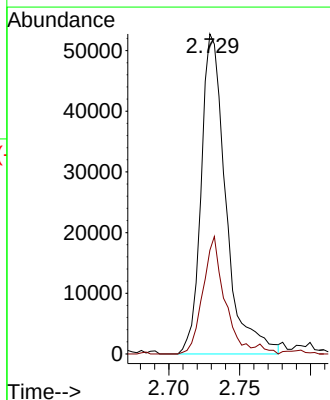
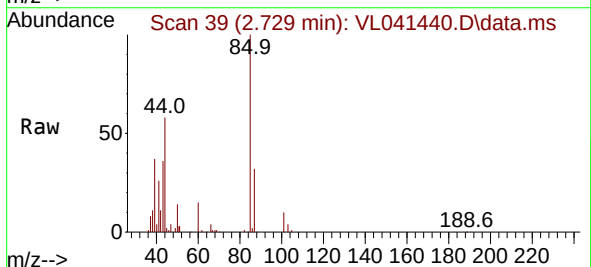
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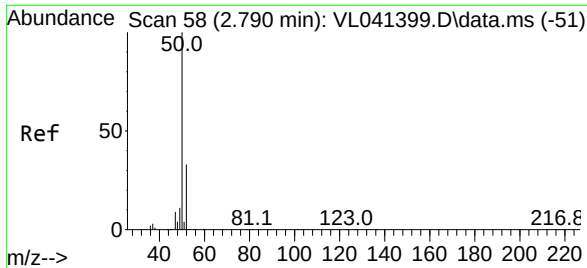
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#2
Dichlorodifluoromethane
Concen: 0.350 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.019 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

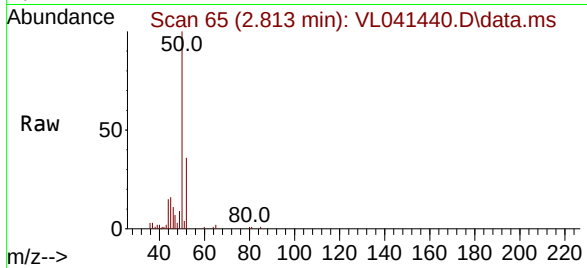
Tgt Ion: 85 Resp: 64093
Ion Ratio Lower Upper
85 100
87 32.4 26.0 39.0





#4
Chloromethane
Concen: 0.774 ppbv
RT: 2.813 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

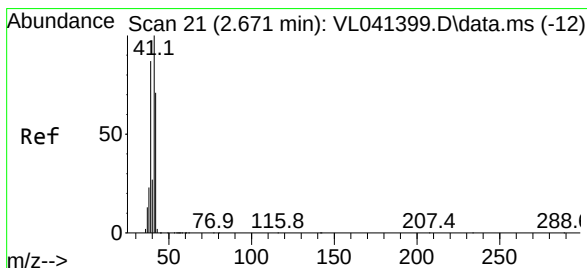
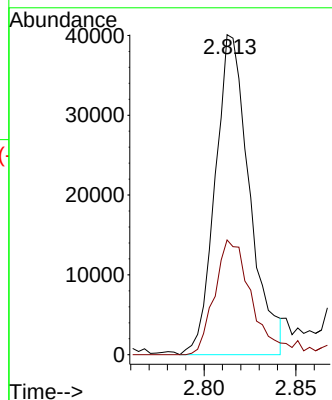
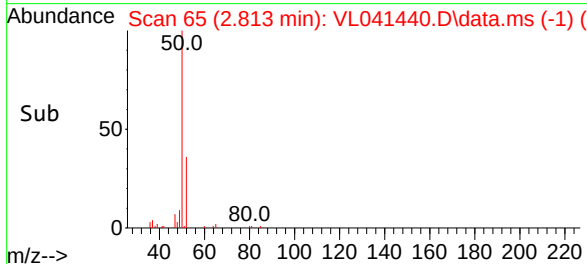
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03



Tgt Ion: 50 Resp: 52120
Ion Ratio Lower Upper
50 100
52 35.8 26.1 39.1

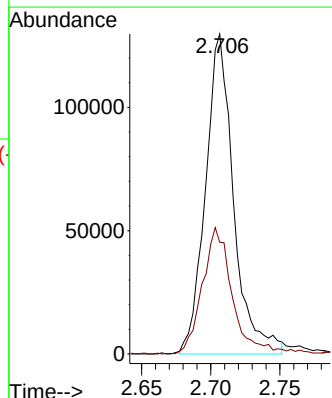
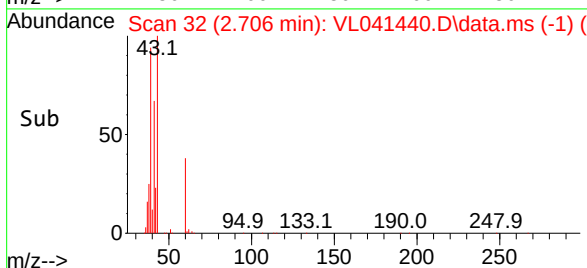
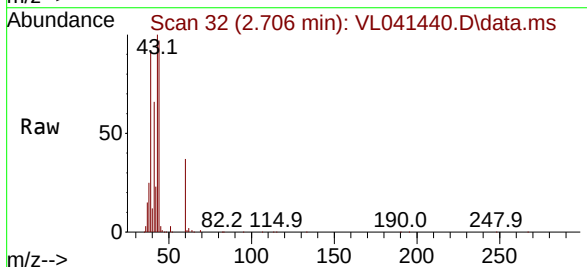
Manual Integrations
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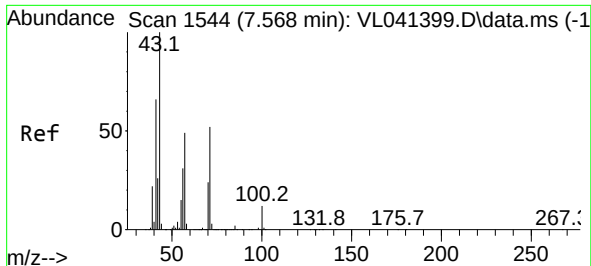
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#9
Propene
Concen: 3.163 ppbv m
RT: 2.706 min Scan# 32
Delta R.T. 0.035 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

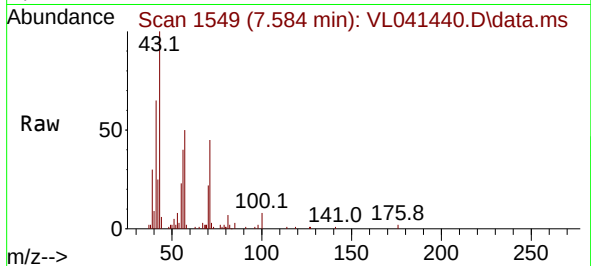
Tgt Ion: 41 Resp: 184000
Ion Ratio Lower Upper
41 100
42 141.7 55.9 83.9#





#10
Heptane
Concen: 0.505 ppbv
RT: 7.584 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

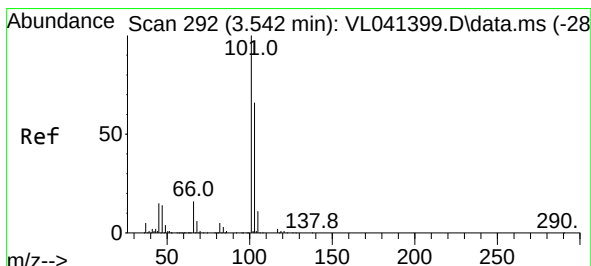
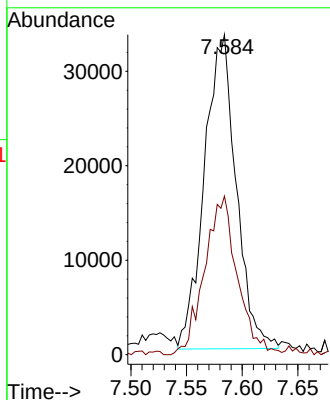
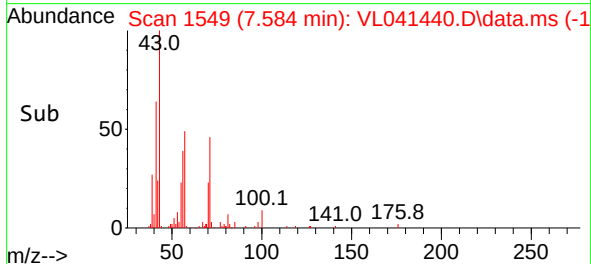
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03



Tgt Ion: 43 Resp: 6602
Ion Ratio Lower Upper
43 100
57 54.2 40.5 60.7

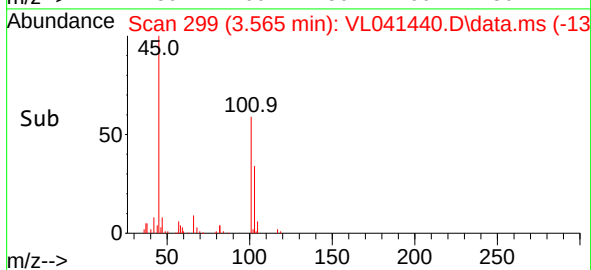
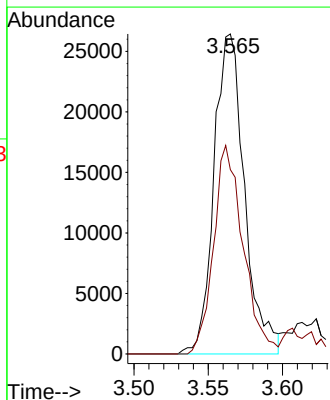
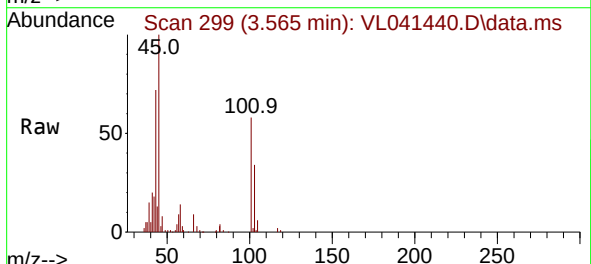
Manual Integrations
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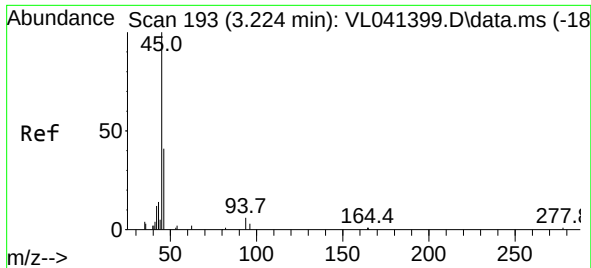
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#11
Trichlorofluoromethane
Concen: 0.232 ppbv
RT: 3.565 min Scan# 299
Delta R.T. 0.019 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

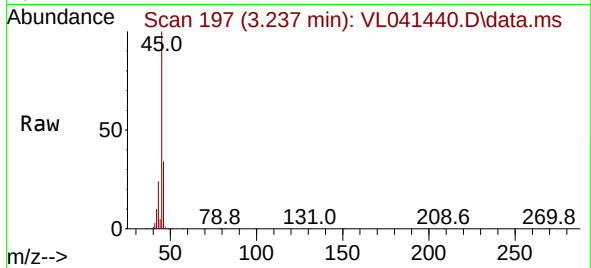
Tgt Ion:101 Resp: 37781
Ion Ratio Lower Upper
101 100
103 57.6 52.6 79.0





#13
Ethanol
Concen: 102.261 ppbv
RT: 3.237 min Scan# 197
Delta R.T. 0.010 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

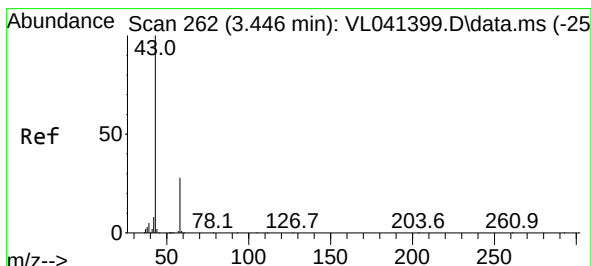
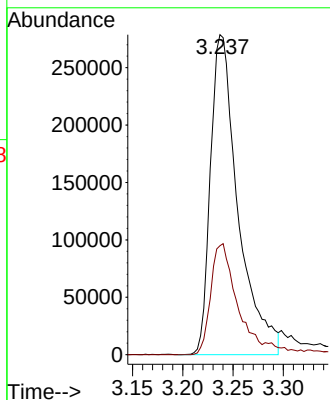
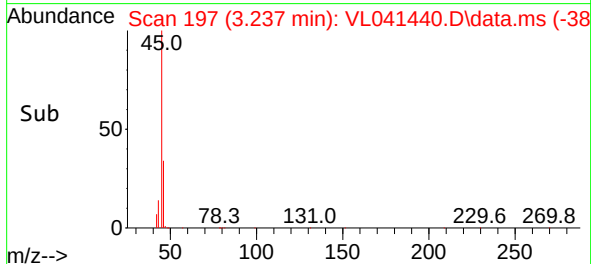
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03



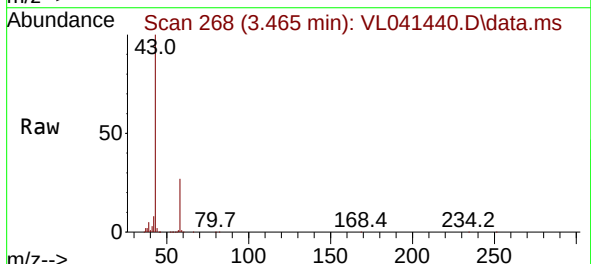
Tgt Ion: 45 Resp: 531648
Ion Ratio Lower Upper
45 100
46 37.7 13.4 53.4

Manual Integrations
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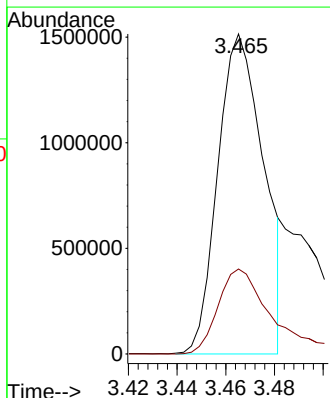
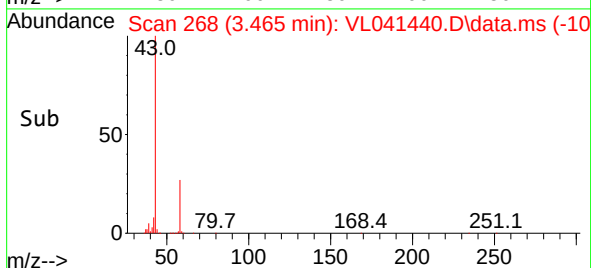
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

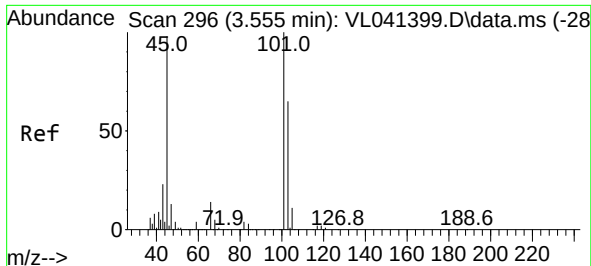


#15
Acetone
Concen: 16.397 ppbv m
RT: 3.465 min Scan# 268
Delta R.T. 0.013 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28



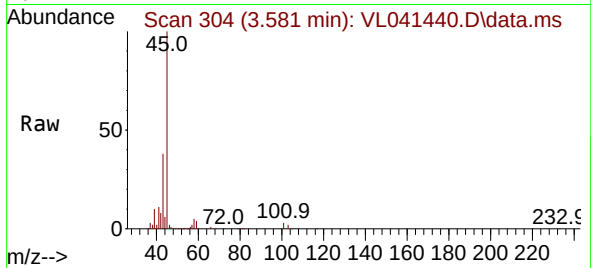
Tgt Ion: 43 Resp: 1981668
Ion Ratio Lower Upper
43 100
58 34.3 21.4 32.2#





#19
Isopropyl Alcohol
Concen: 3.981 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.019 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

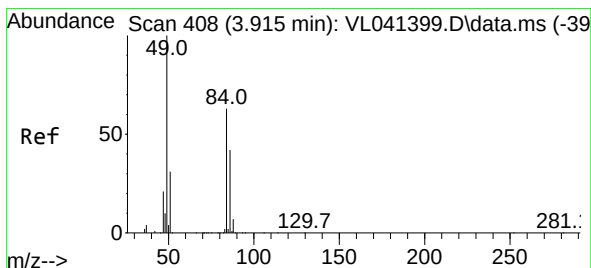
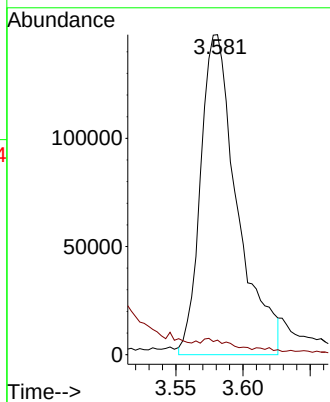
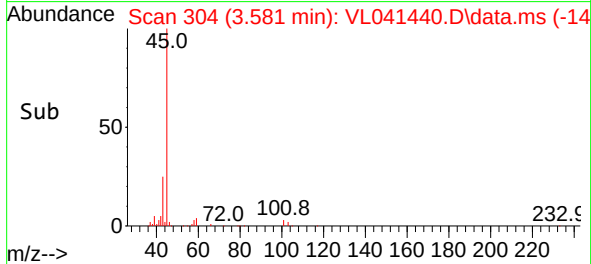
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ClientSampleId :
ACVI-IA-03



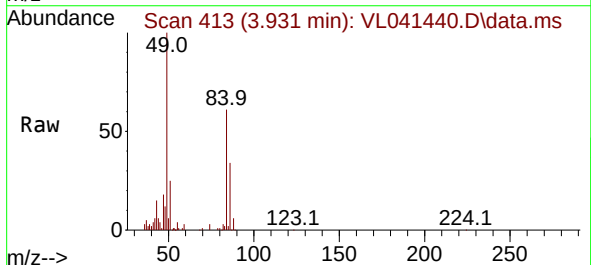
Tgt Ion: 45 Resp: 281258
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9

Manual Integrations
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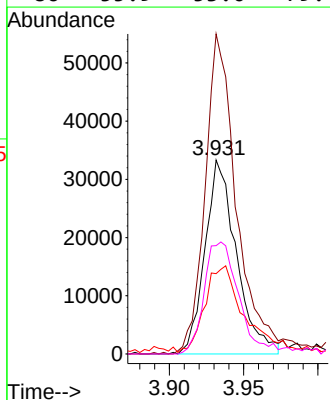
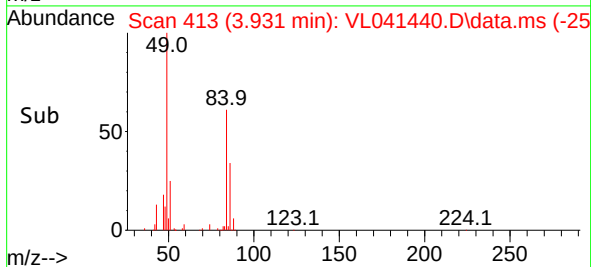
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

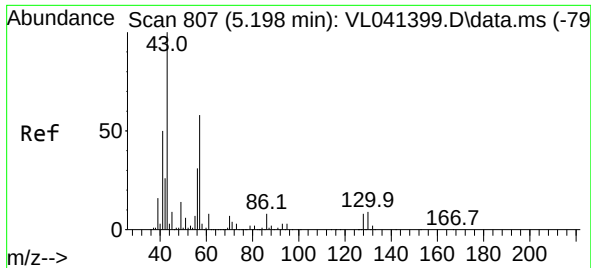


#20
Methylene Chloride
Concen: 1.090 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.013 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28



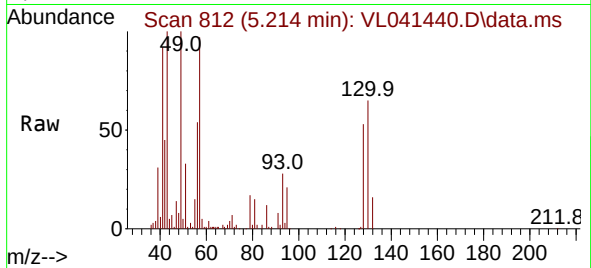
Tgt Ion: 84 Resp: 49108
Ion Ratio Lower Upper
84 100
49 163.4 126.6 190.0
51 40.6 38.6 58.0
86 55.9 53.0 79.4





#26
Hexane
Concen: 2.009 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.016 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

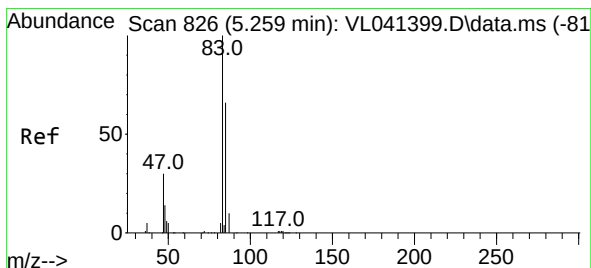
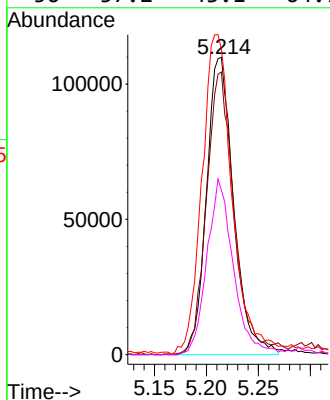
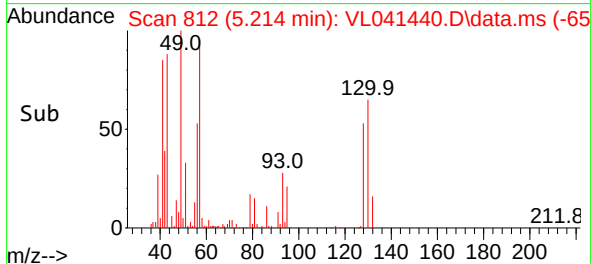
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03



Tgt Ion: 57 Resp: 20006
Ion Ratio Lower Upper
57 100
41 97.3 74.0 111.0
43 124.8 193.6 290.4
56 57.2 43.1 64.7

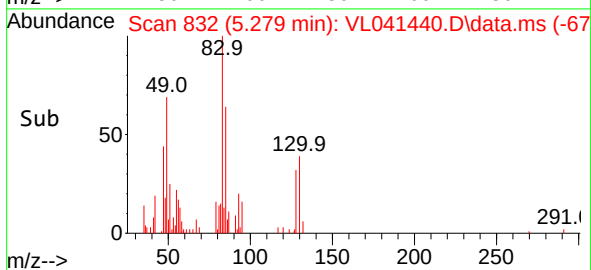
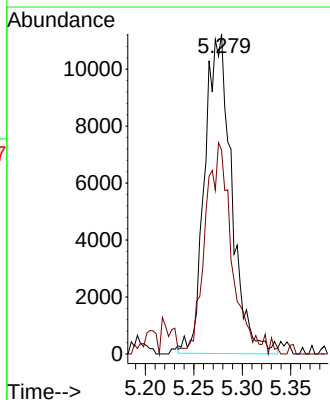
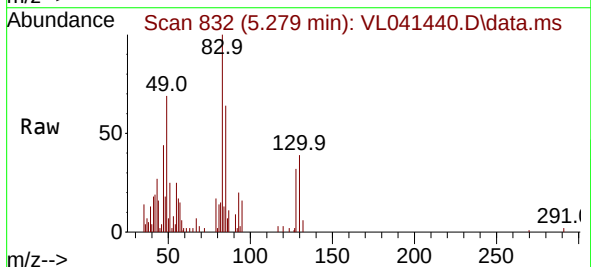
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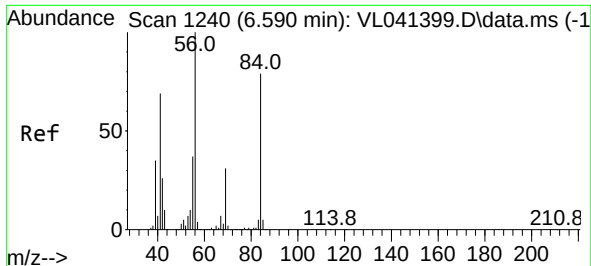
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#29
Chloroform
Concen: 0.133 ppbv m
RT: 5.279 min Scan# 832
Delta R.T. 0.016 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

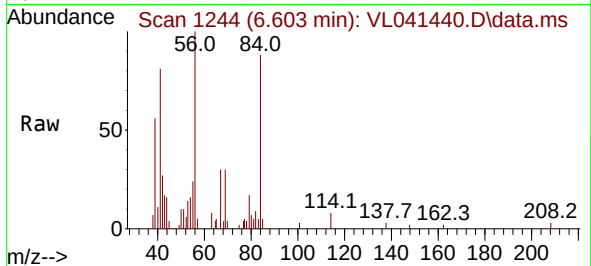
Tgt Ion: 83 Resp: 21633
Ion Ratio Lower Upper
83 100
85 63.7 53.1 79.7





#30
Cyclohexane
Concen: 0.164 ppbv m
RT: 6.603 min Scan# 1240
Delta R.T. 0.010 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

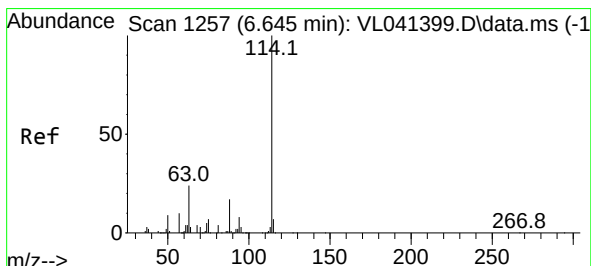
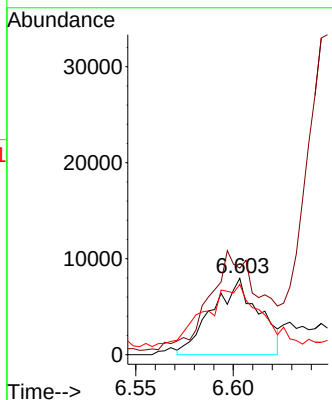
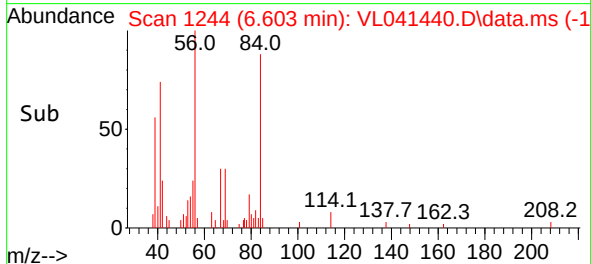
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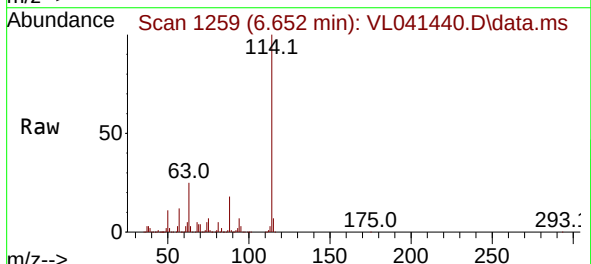
Tgt Ion: 84 Resp: 13270
Ion Ratio Lower Upper
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56 0.0 111.2 166.8
41 128.0 70.3 105.5

Manual Integrations
APPROVED

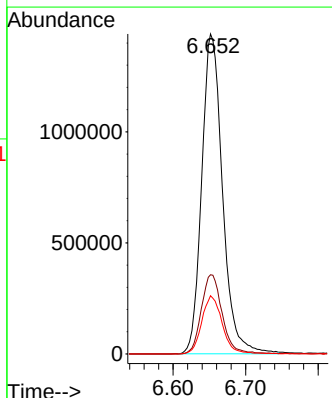
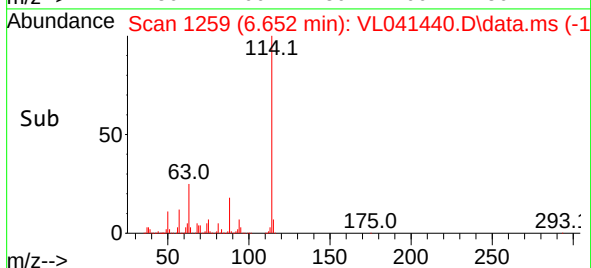
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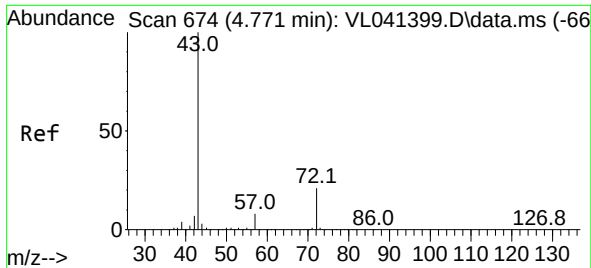


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. 0.006 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28



Tgt Ion:114 Resp: 2876090
Ion Ratio Lower Upper
114 100
63 25.2 20.3 30.5
88 18.0 14.3 21.5





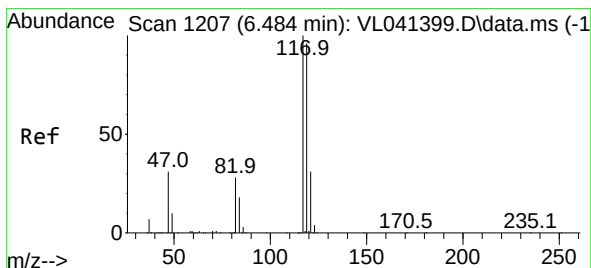
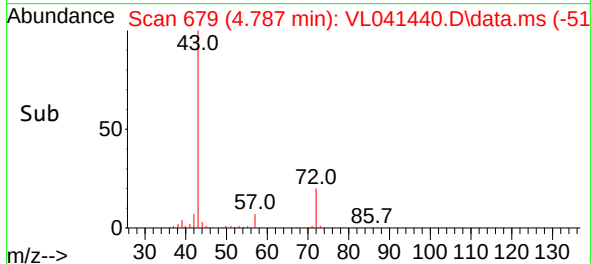
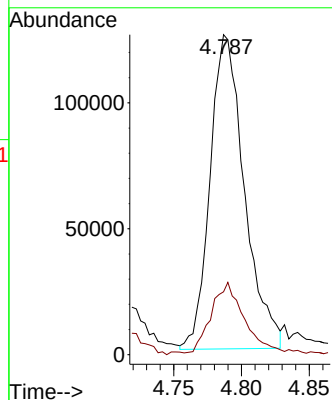
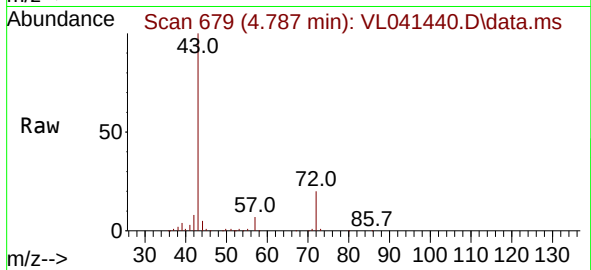
#34
2-Butanone
Concen: 1.583 ppbv
RT: 4.787 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03

Tgt Ion: 43 Resp: 220229
Ion Ratio Lower Upper
43 100
72 23.0 17.3 25.9

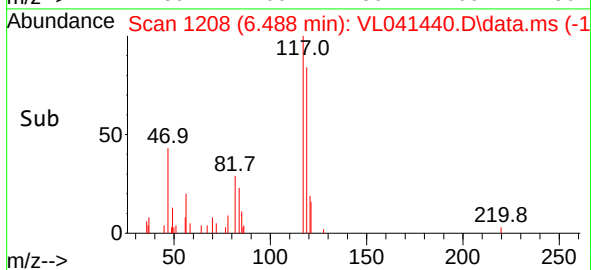
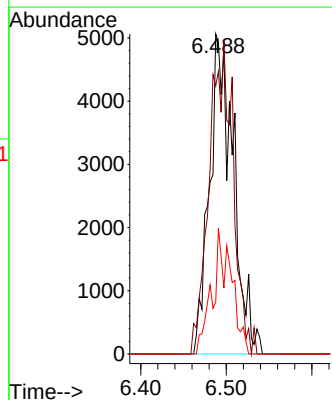
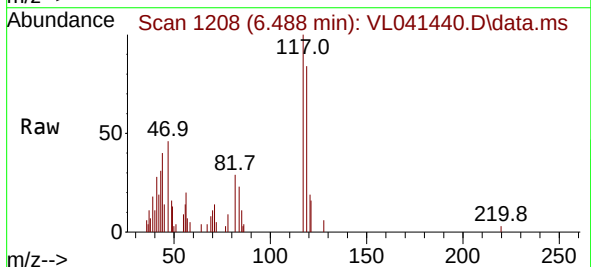
Manual Integrations
APPROVED

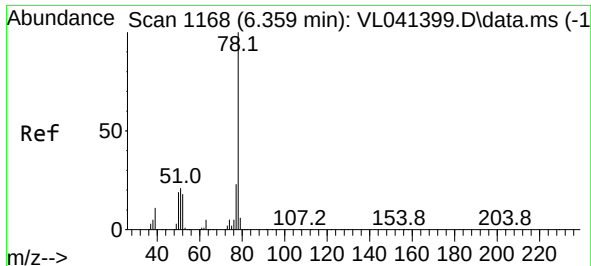
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#35
Carbon Tetrachloride
Concen: 0.062 ppbv m
RT: 6.488 min Scan# 1208
Delta R.T. 0.003 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

Tgt Ion:117 Resp: 9852
Ion Ratio Lower Upper
117 100
119 83.8 76.6 115.0
121 16.3 25.1 37.7#





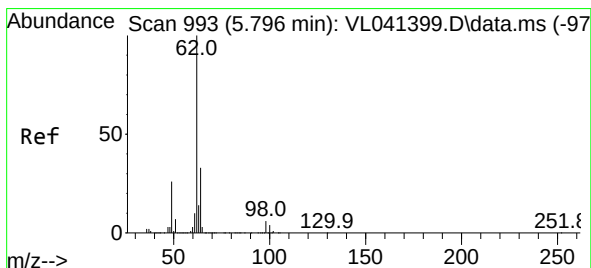
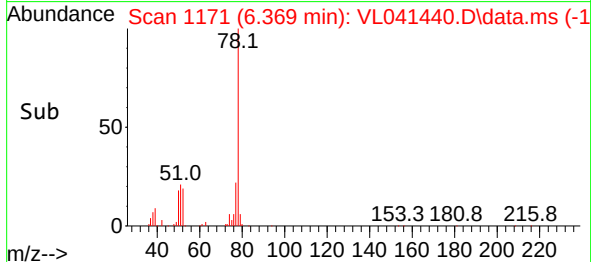
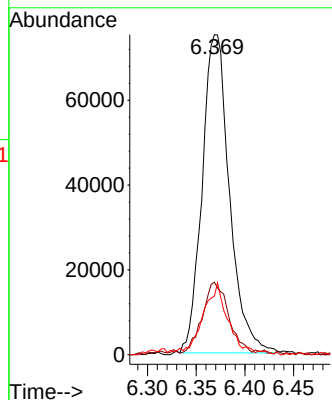
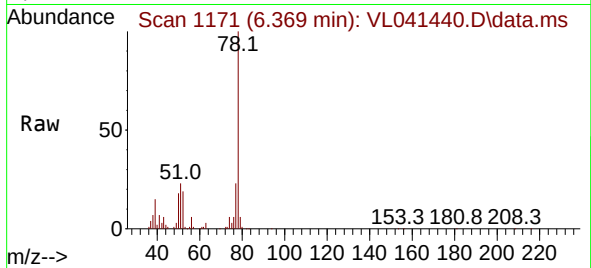
#36
Benzene
Concen: 0.698 ppbv
RT: 6.369 min Scan# 1168
Delta R.T. 0.010 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03

Tgt Ion: 78 Resp: 14670
Ion Ratio Lower Upper
78 100
77 22.2 18.1 27.1
50 18.4 15.5 23.3

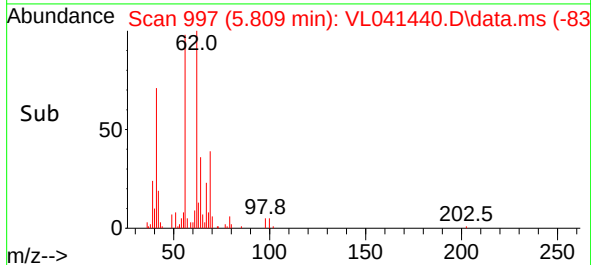
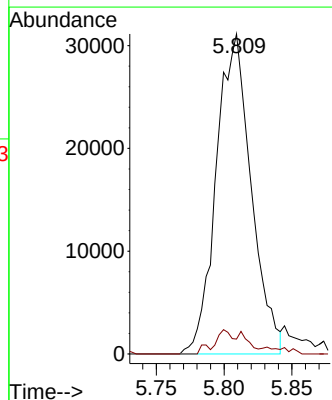
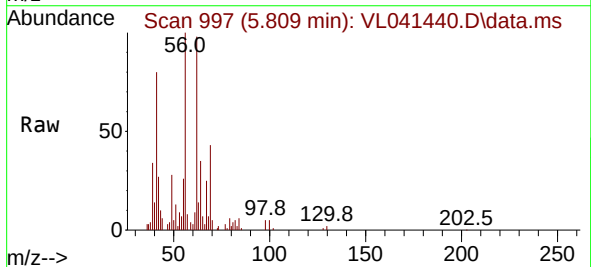
Manual Integrations
APPROVED

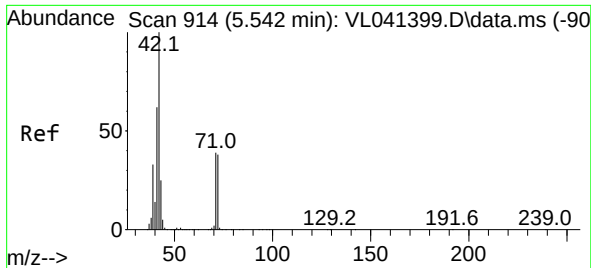
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#37
1,2-Dichloroethane
Concen: 0.475 ppbv
RT: 5.809 min Scan# 997
Delta R.T. 0.013 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

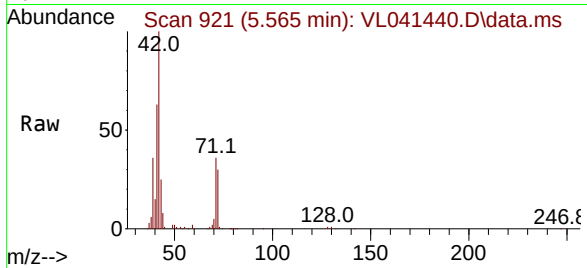
Tgt Ion: 62 Resp: 55817
Ion Ratio Lower Upper
62 100
98 7.8 5.0 7.4#





#41
Tetrahydrofuran
Concen: 1.747 ppbv
RT: 5.565 min Scan# 914
Delta R.T. 0.019 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

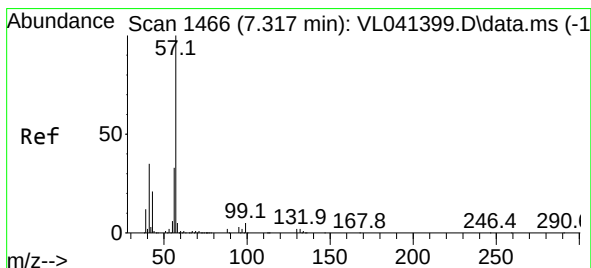
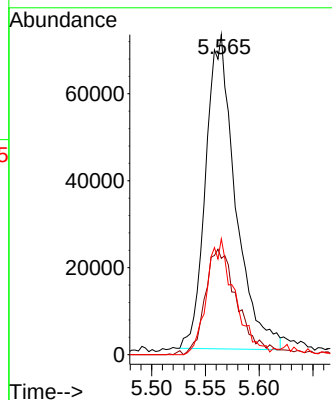
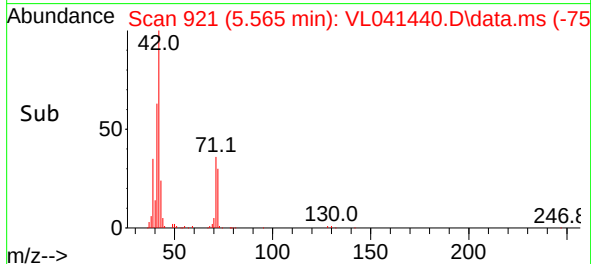
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03



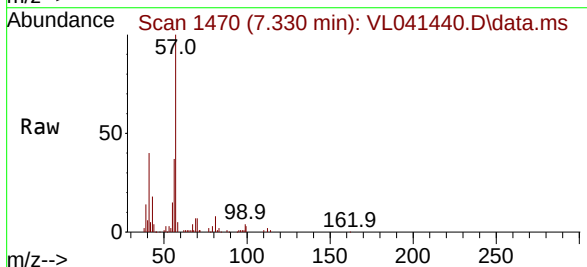
Tgt Ion: 42 Resp: 138999
Ion Ratio Lower Upper
42 100
72 37.9 31.2 46.8
71 36.9 30.5 45.7

Manual Integrations
APPROVED

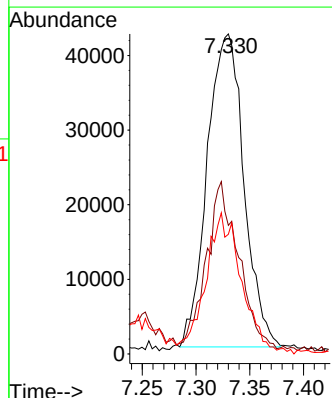
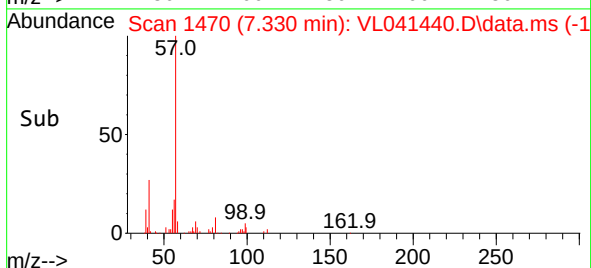
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

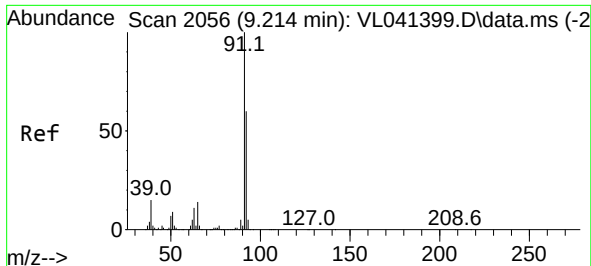


#44
2,2,4-Trimethylpentane
Concen: 0.284 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.013 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28



Tgt Ion: 57 Resp: 99643
Ion Ratio Lower Upper
57 100
41 49.9 27.0 40.6#
56 42.7 25.2 37.8#





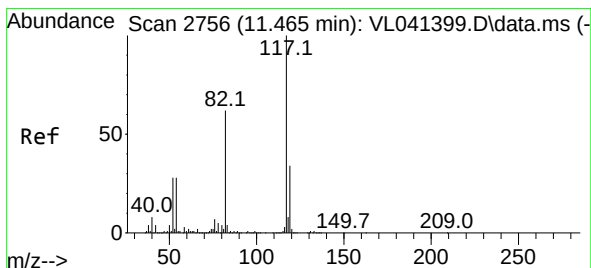
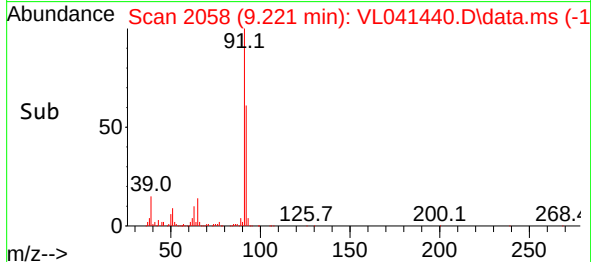
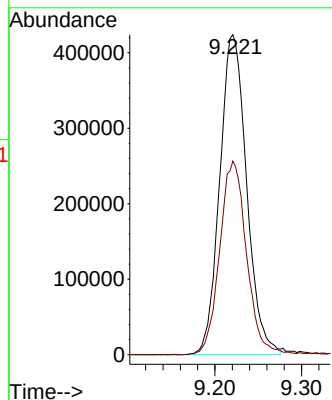
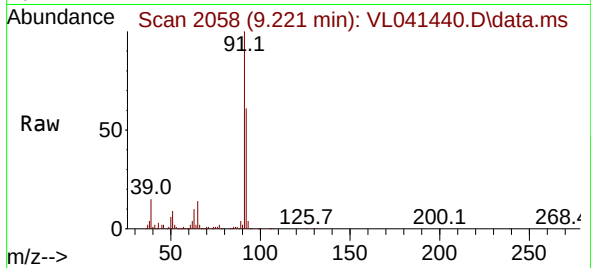
#53
Toluene
Concen: 3.907 ppbv
RT: 9.221 min Scan# 2056
Delta R.T. 0.003 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03

Tgt Ion: 91 Resp: 914590
Ion Ratio Lower Upper
91 100
92 61.0 48.7 73.1

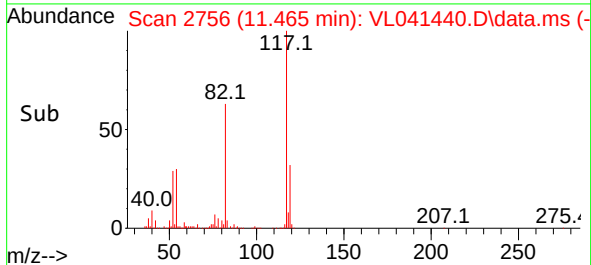
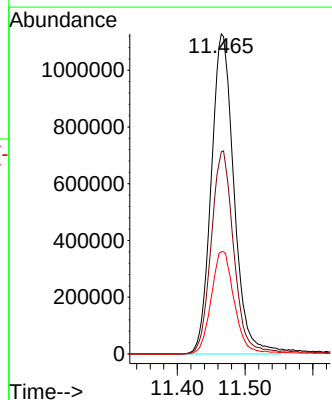
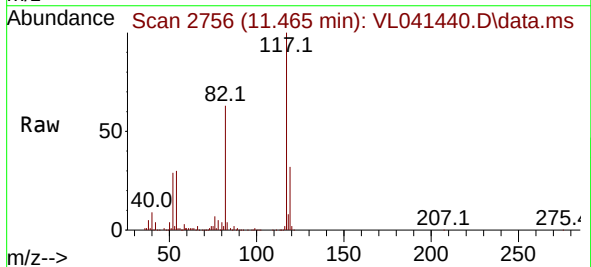
Manual Integrations
APPROVED

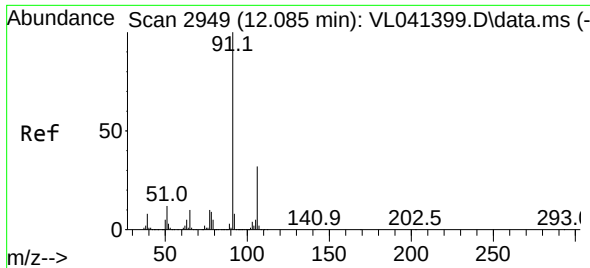
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

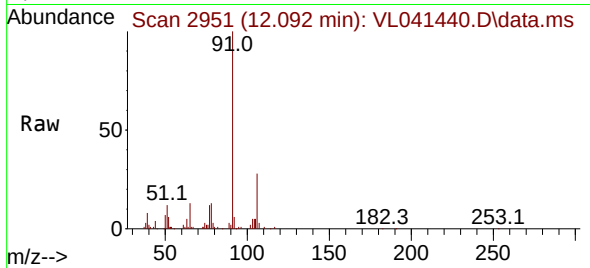
Tgt Ion:117 Resp: 2629445
Ion Ratio Lower Upper
117 100
82 64.7 51.0 76.6
119 33.1 45.2 67.8#





#58
Ethyl Benzene
Concen: 0.320 ppbv m
RT: 12.092 min Scan# 2949
Delta R.T. 0.006 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

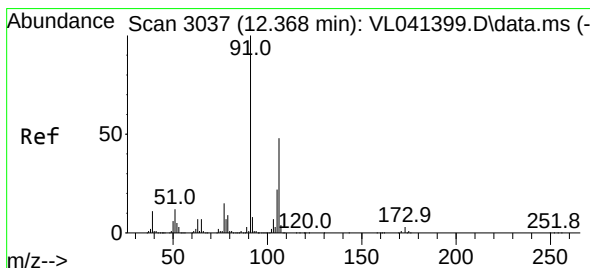
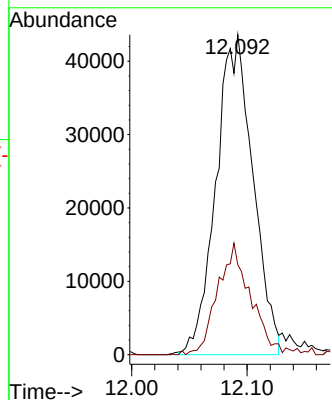
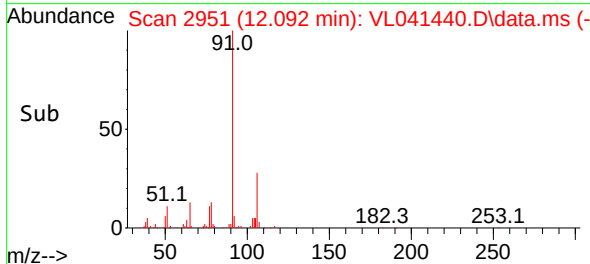
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03



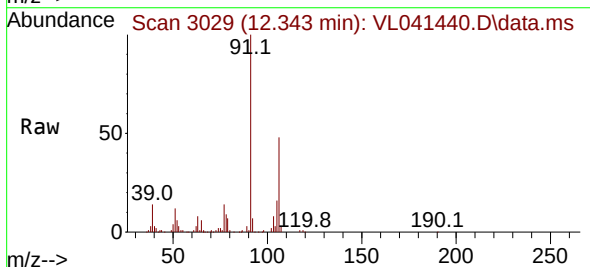
Tgt Ion: 91 Resp: 97095
Ion Ratio Lower Upper
91 100
106 28.1 25.8 38.8

Manual Integrations
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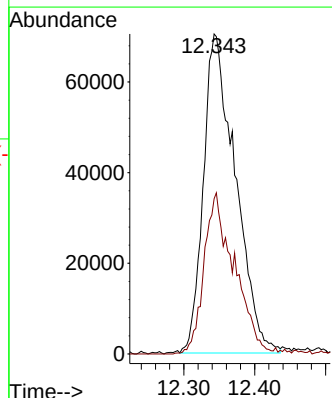
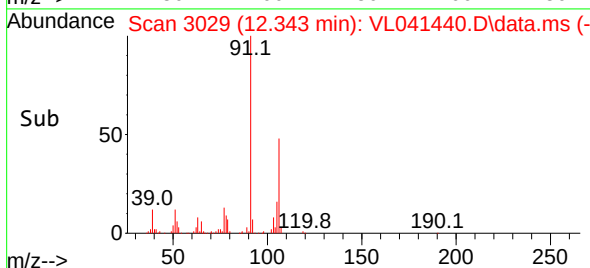
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

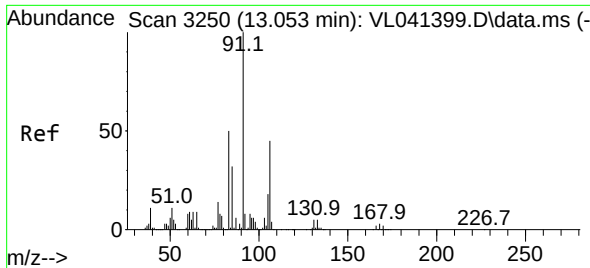


#59
m/p-Xylene
Concen: 0.843 ppbv
RT: 12.343 min Scan# 3029
Delta R.T. -0.026 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28



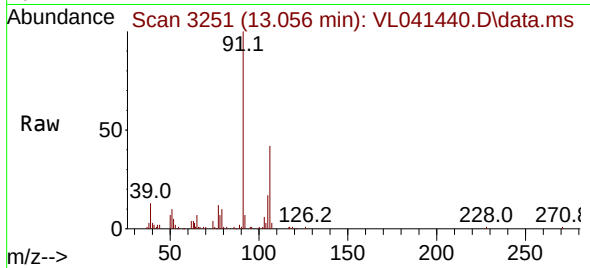
Tgt Ion: 91 Resp: 220628
Ion Ratio Lower Upper
91 100
106 48.5 36.3 54.5





#60
o-Xylene
Concen: 0.324 ppbv
RT: 13.056 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

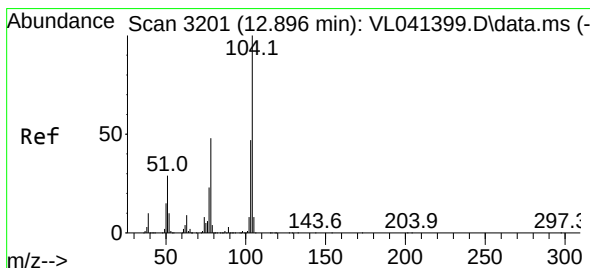
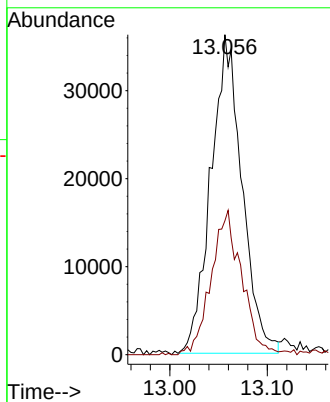
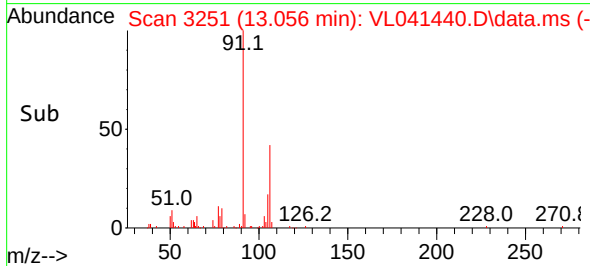
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03



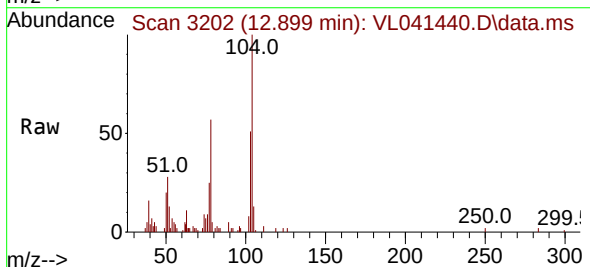
Tgt Ion: 91 Resp: 8026
Ion Ratio Lower Upper
91 100
106 44.7 23.1 69.3

Manual Integrations
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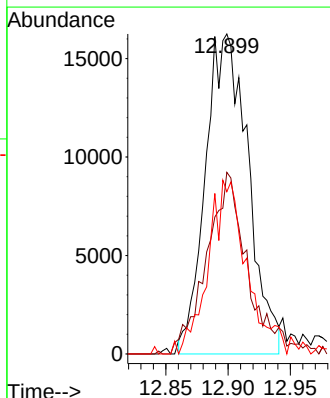
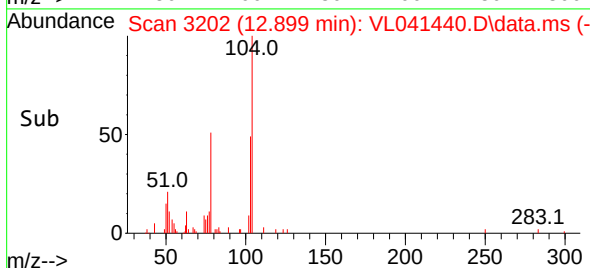
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

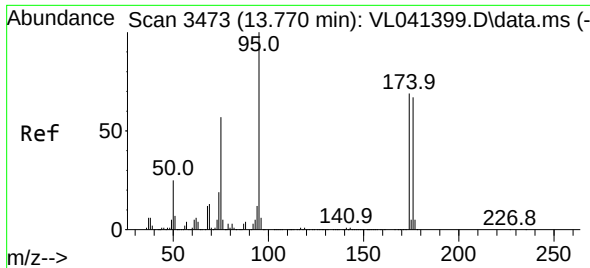


#61
Styrene
Concen: 0.346 ppbv m
RT: 12.899 min Scan# 3202
Delta R.T. 0.003 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28



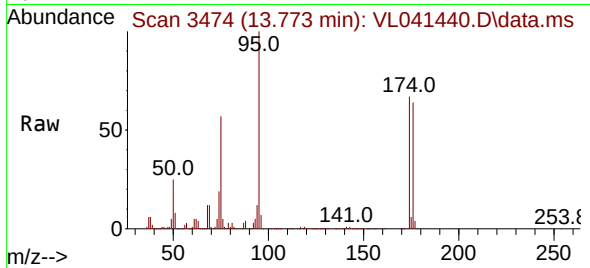
Tgt Ion:104 Resp: 38604
Ion Ratio Lower Upper
104 100
78 54.7 40.8 61.2
103 51.3 38.2 57.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.031 ppbv
RT: 13.773 min Scan# 3473
Delta R.T. 0.000 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

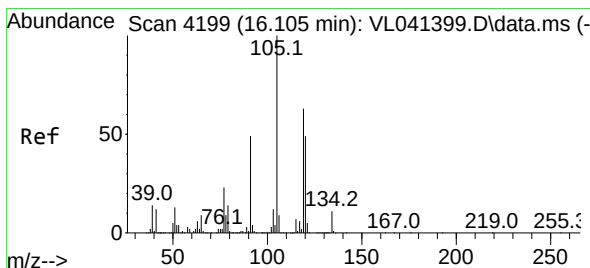
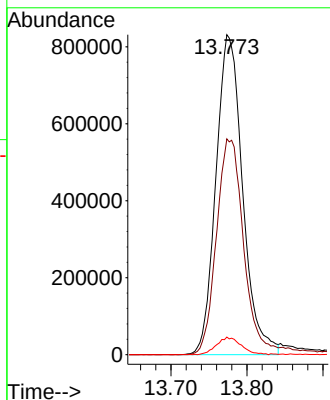
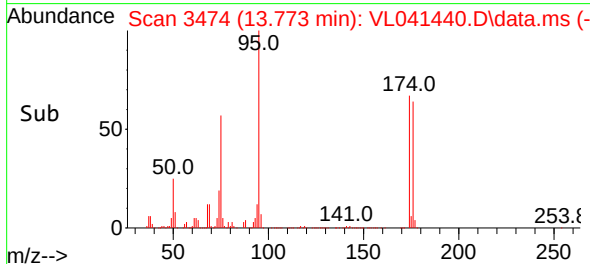
Instrument :
MSVOA_L
ClientSampleId :
ACVI-IA-03



Tgt Ion: 95 Resp: 202984
Ion Ratio Lower Upper
95 100
174 71.7 56.3 84.5
175 5.2 4.0 6.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.197 ppbv m
RT: 16.105 min Scan# 4199
Delta R.T. -0.003 min
Lab File: VL041440.D
Acq: 29 Jul 2024 22:28

Tgt Ion:105 Resp: 57388
Ion Ratio Lower Upper
105 100
120 33.8 39.5 59.3#
91 9.4 39.8 59.8#
77 13.2 18.2 27.4#

