

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041134.D
 Acq On : 4 Apr 2024 20:52
 Operator : SY/MD
 Sample : P1953-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

Quant Time: Apr 05 05:13:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Apr 05 04:49:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1376948	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	3478463	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	3230649	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	2611708	10.053	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.735	85	27530	0.117	ppbv	89
9) Propene	2.703	41	11328	0.168	ppbv	97
13) Ethanol	3.250	45	277104	17.268	ppbv	99
15) Acetone	3.481	43	530672	3.559	ppbv #	75
20) Methylene Chloride	3.947	84	303915	4.942	ppbv	97
26) Hexane	5.230	57	117236	0.933	ppbv #	44
34) 2-Butanone	4.803	43	1501174	10.198	ppbv	99
50) 4-Methyl-2-Pentanone	8.227	43	24413m	0.094	ppbv	
51) 2-Hexanone	9.587	43	344818	1.920	ppbv #	99
52) Tetrachloroethene	10.645	164	24820m	0.305	ppbv	
53) Toluene	9.246	91	93510	0.348	ppbv	97
58) Ethyl Benzene	12.118	91	34706m	0.098	ppbv	
59) m/p-Xylene	12.365	91	80928m	0.253	ppbv	
60) o-Xylene	13.085	91	37635	0.124	ppbv	96
74) 1,2,4-Trimethylbenzene	16.133	105	78443	0.230	ppbv #	65

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

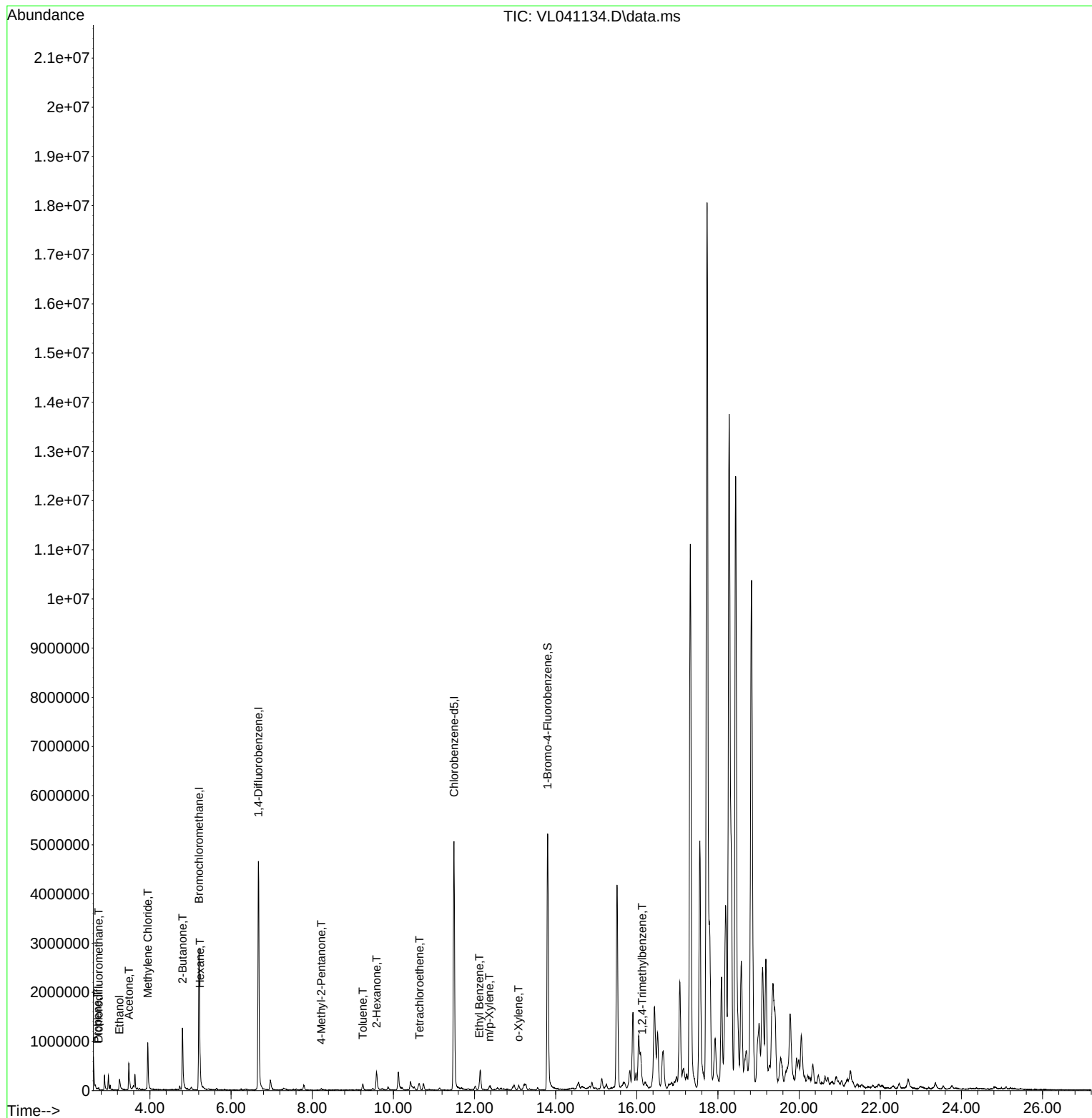
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
Data File : VL041134.D
Acq On : 4 Apr 2024 20:52
Operator : SY/MD
Sample : P1953-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

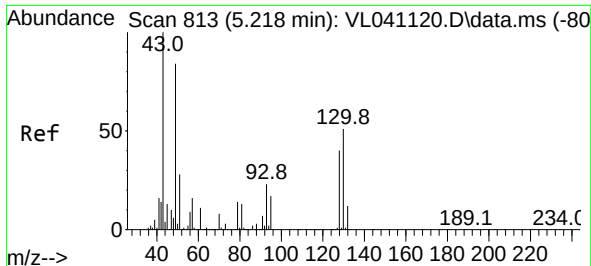
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Apr 05 05:13:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 05 04:49:46 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

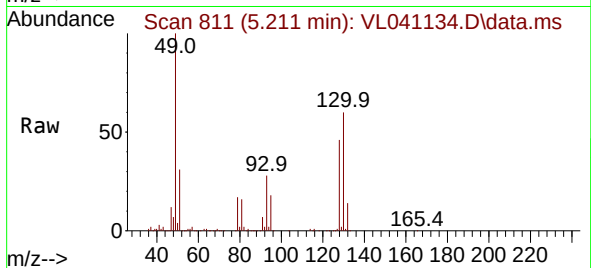
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

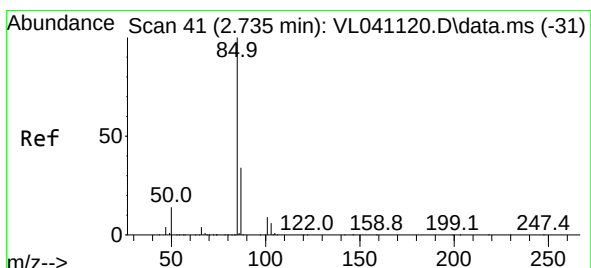
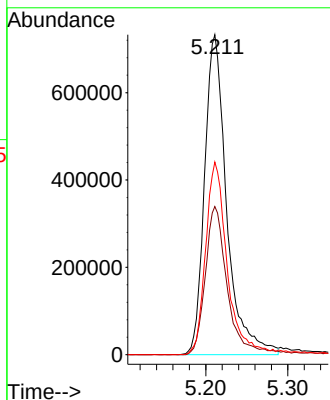
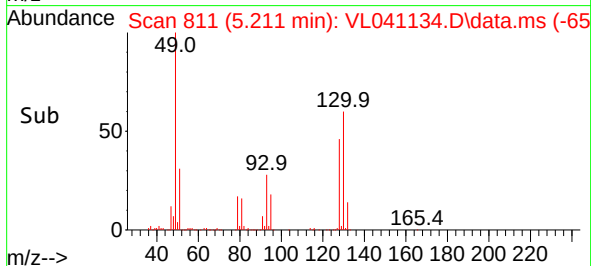
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 137694
Ion Ratio Lower Upper
49 100
128 47.3 23.6 71.0
130 60.4 30.1 90.5

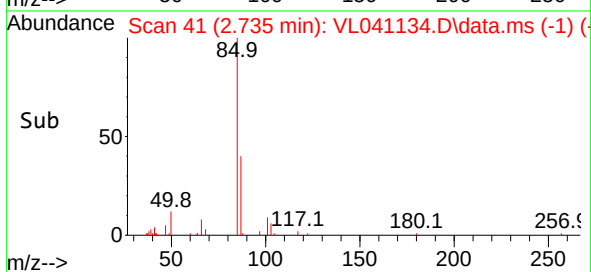
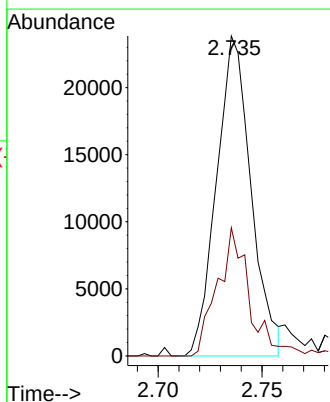
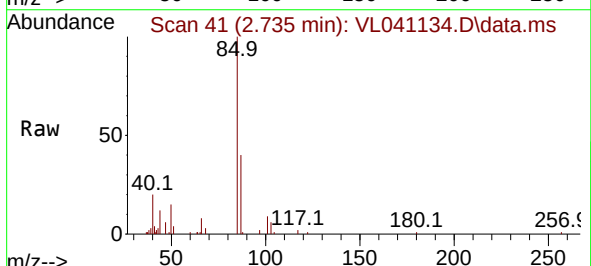
Manual Integrations
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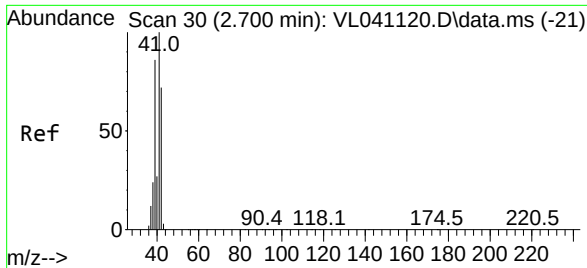
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#2
Dichlorodifluoromethane
Concen: 0.117 ppbv
RT: 2.735 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

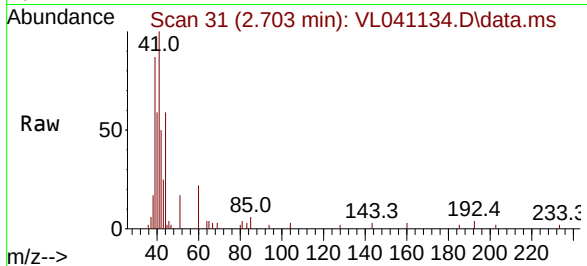
Tgt Ion: 85 Resp: 27530
Ion Ratio Lower Upper
85 100
87 40.1 27.0 40.6





#9
Propene
Concen: 0.168 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

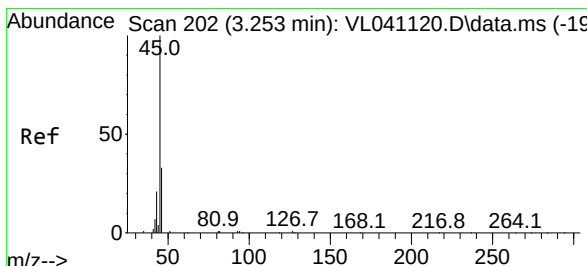
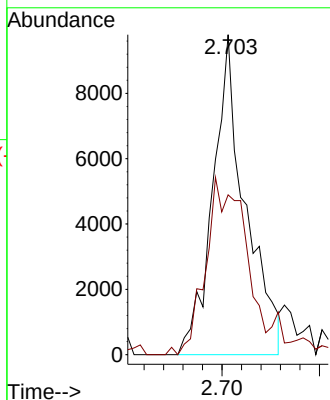
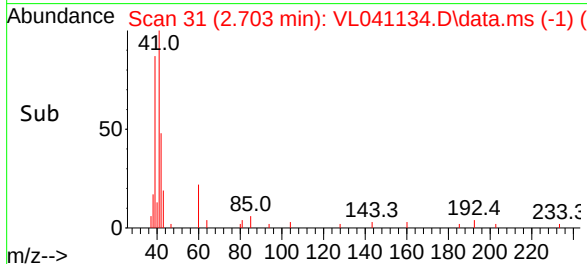
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 41 Resp: 11328
Ion Ratio Lower Upper
41 100
42 77.7 60.1 90.1

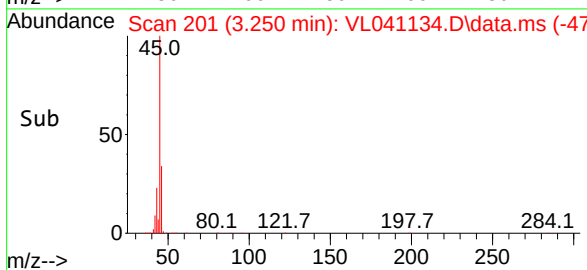
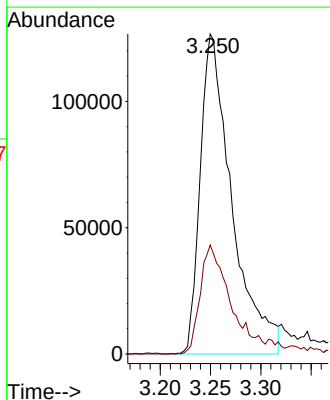
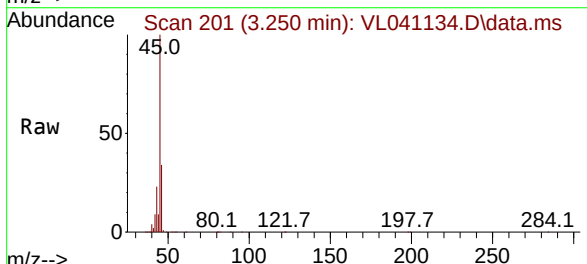
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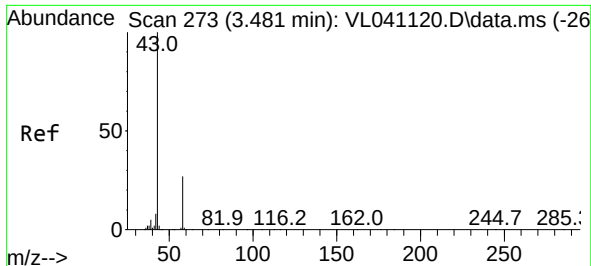
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#13
Ethanol
Concen: 17.268 ppbv
RT: 3.250 min Scan# 201
Delta R.T. -0.003 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

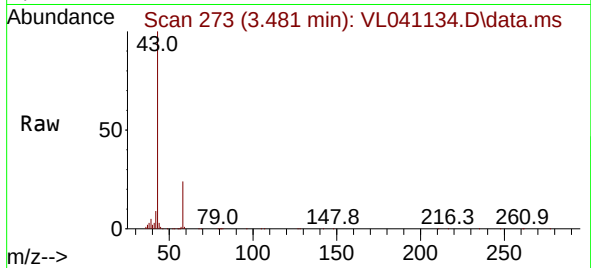
Tgt Ion: 45 Resp: 277104
Ion Ratio Lower Upper
45 100
46 36.8 15.0 59.8





#15
Acetone
Concen: 3.559 ppbv
RT: 3.481 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

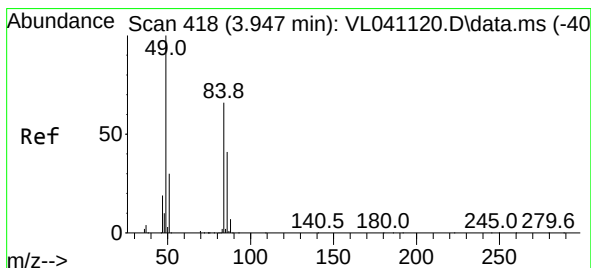
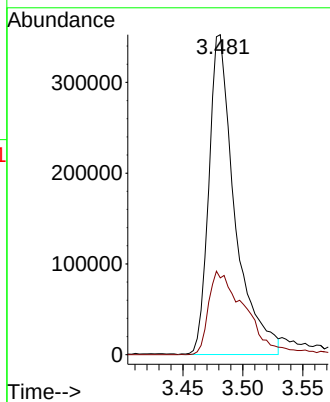
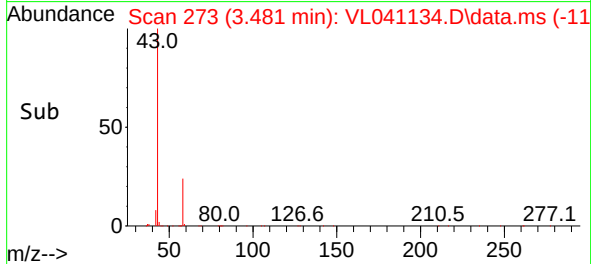
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 530672
Ion Ratio Lower Upper
43 100
58 39.3 21.1 31.7

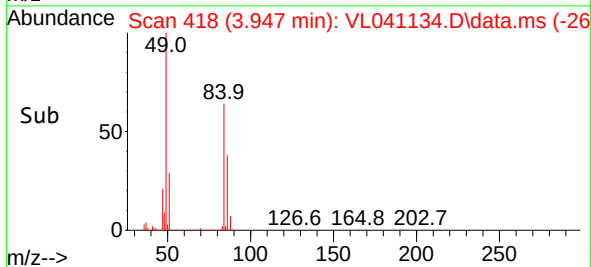
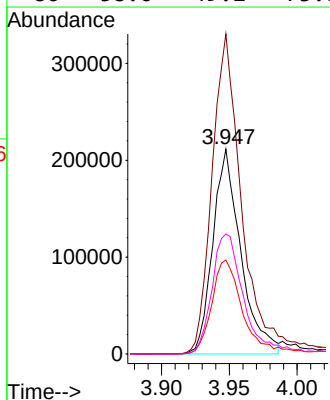
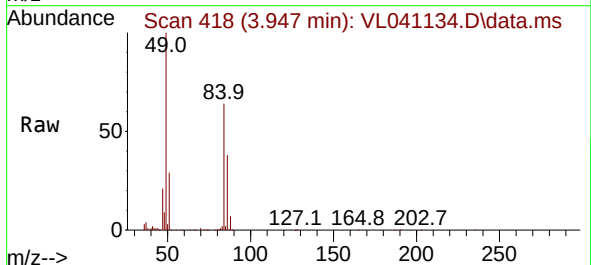
Manual Integrations
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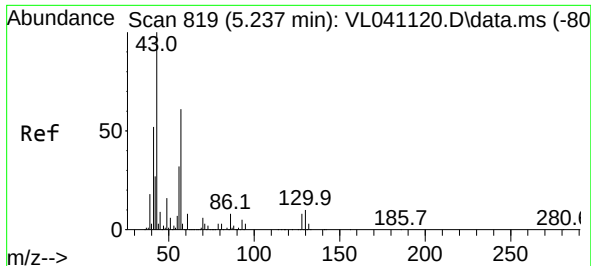
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#20
Methylene Chloride
Concen: 4.942 ppbv
RT: 3.947 min Scan# 418
Delta R.T. -0.000 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

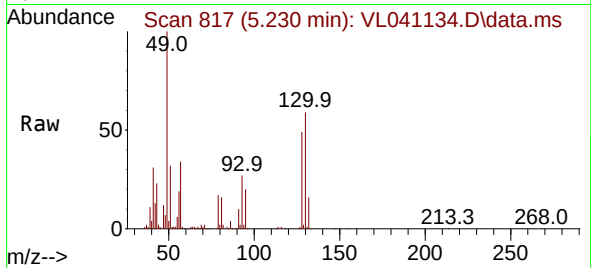
Tgt Ion: 84 Resp: 303915
Ion Ratio Lower Upper
84 100
49 156.1 120.7 181.1
51 45.8 36.6 54.8
86 58.6 49.2 73.8





#26
Hexane
Concen: 0.933 ppbv
RT: 5.230 min Scan# 819
Delta R.T. -0.007 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

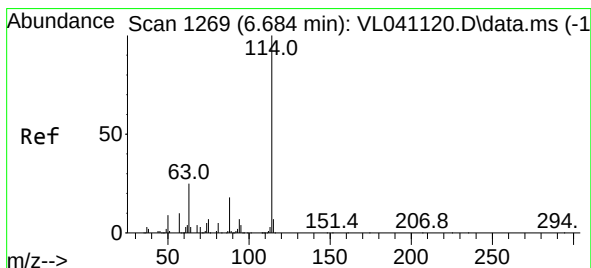
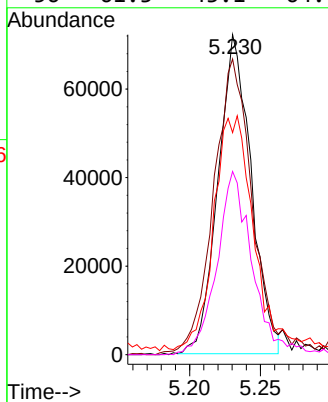
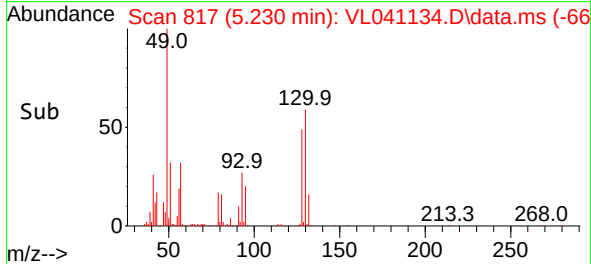
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 117230
Ion Ratio Lower Upper
57 100
41 110.9 73.8 110.8
43 96.9 186.2 279.2
56 61.3 43.1 64.7

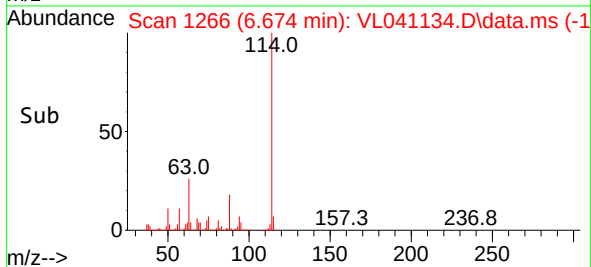
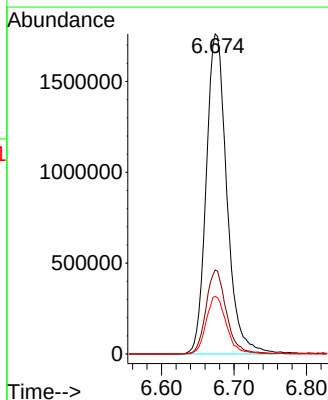
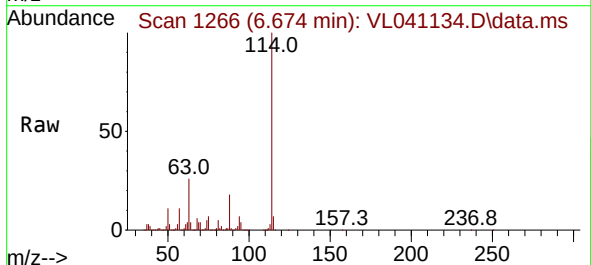
Manual Integrations
APPROVED

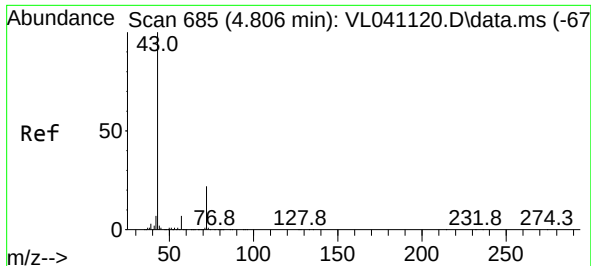
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. -0.010 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

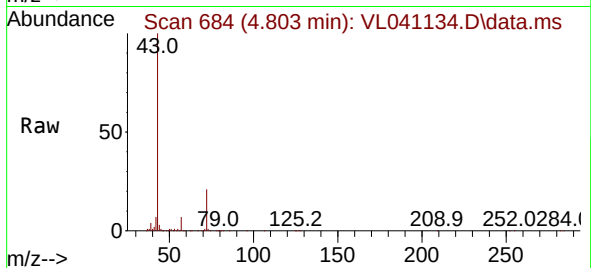
Tgt Ion:114 Resp: 3478463
Ion Ratio Lower Upper
114 100
63 26.1 20.9 31.3
88 17.9 14.5 21.7





#34
2-Butanone
Concen: 10.198 ppbv
RT: 4.803 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

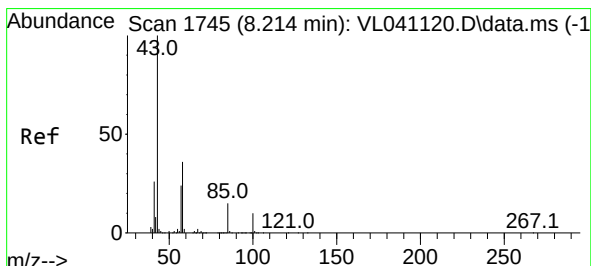
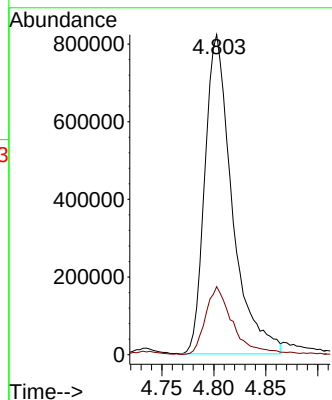
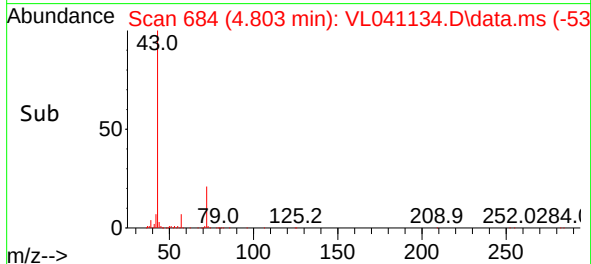
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 1501174
Ion Ratio Lower Upper
43 100
72 21.7 17.6 26.4

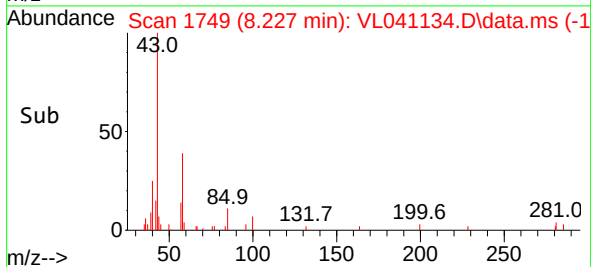
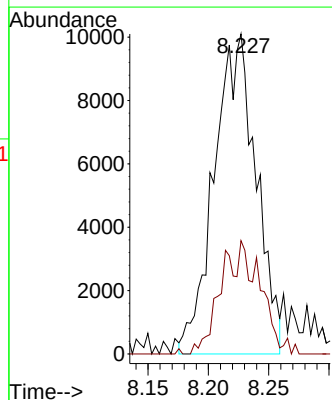
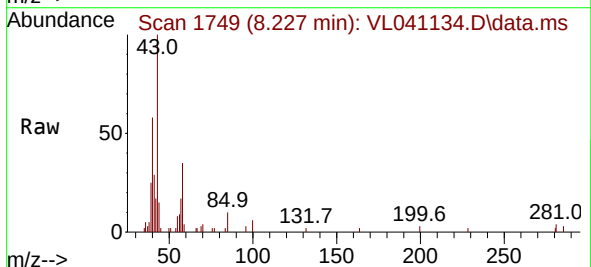
Manual Integrations
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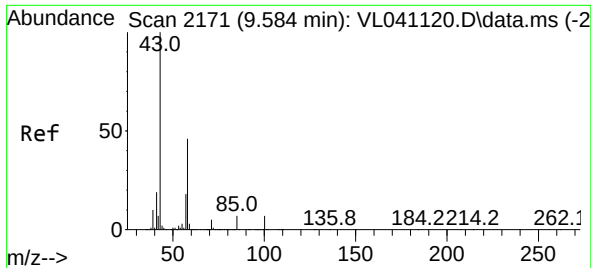
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#50
4-Methyl-2-Pentanone
Concen: 0.094 ppbv m
RT: 8.227 min Scan# 1749
Delta R.T. 0.013 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

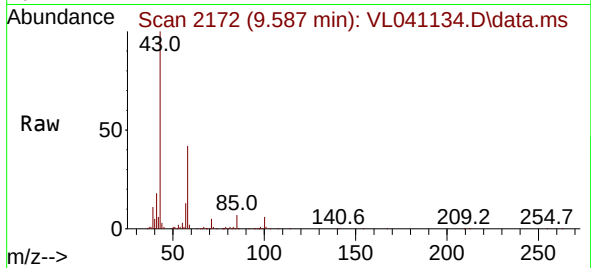
Tgt Ion: 43 Resp: 24413
Ion Ratio Lower Upper
43 100
58 0.0 27.7 41.5#





#51
2-Hexanone
Concen: 1.920 ppbv
RT: 9.587 min Scan# 2171
Delta R.T. 0.003 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

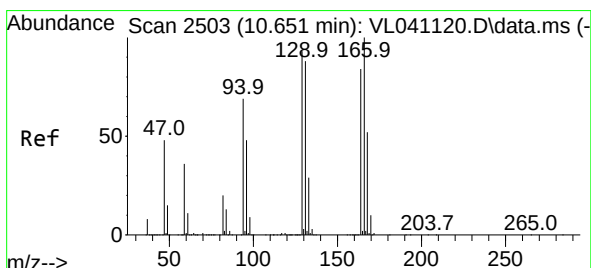
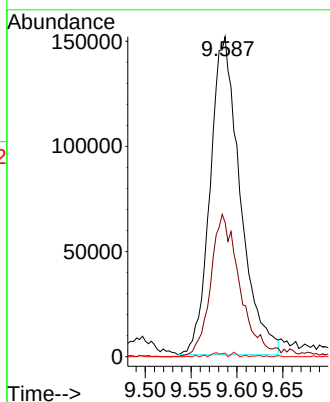
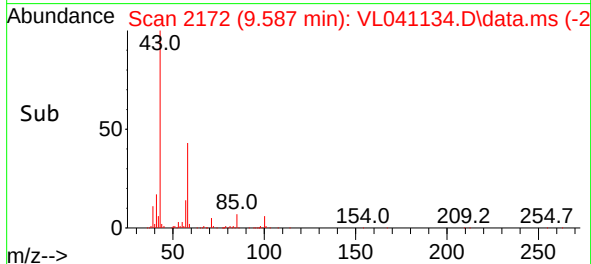
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 344818
Ion Ratio Lower Upper
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58 45.7 37.3 55.9
98 0.6 0.3 0.5

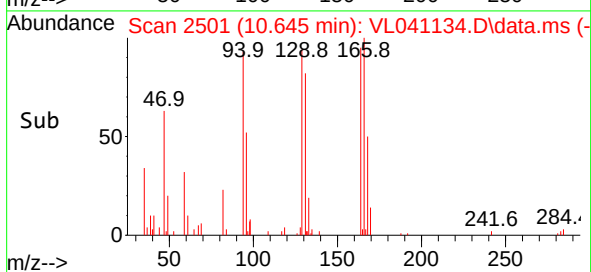
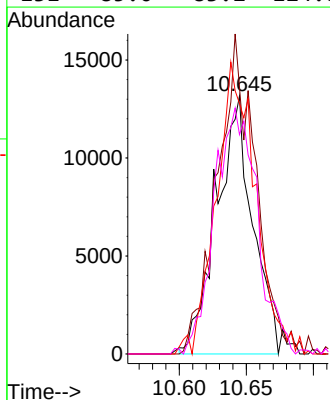
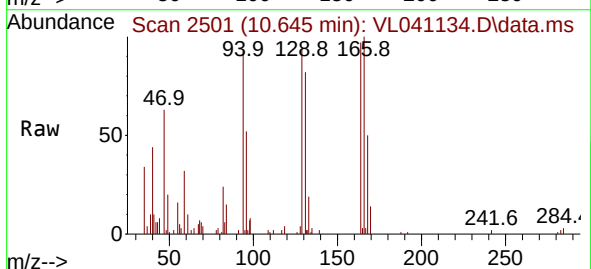
Manual Integrations
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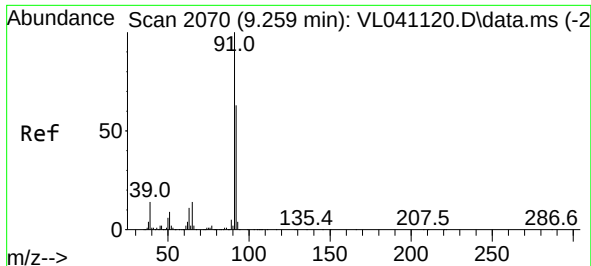
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#52
Tetrachloroethene
Concen: 0.305 ppbv m
RT: 10.645 min Scan# 2501
Delta R.T. -0.007 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

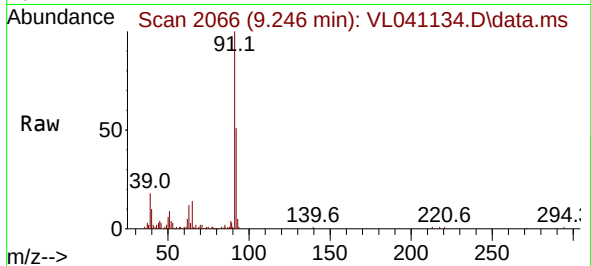
Tgt Ion:164 Resp: 24820
Ion Ratio Lower Upper
164 100
166 103.4 95.0 142.6
129 97.1 88.7 133.1
131 85.0 83.2 124.8





#53
Toluene
Concen: 0.348 ppbv
RT: 9.246 min Scan# 2070
Delta R.T. -0.013 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

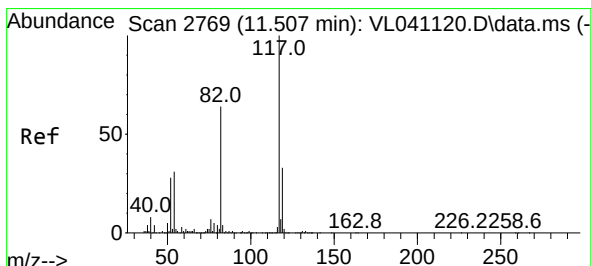
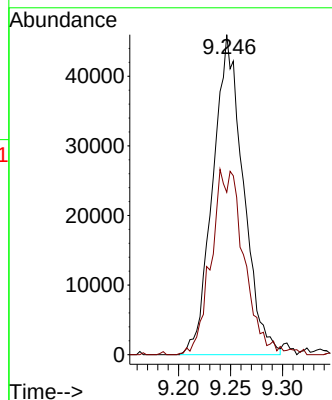
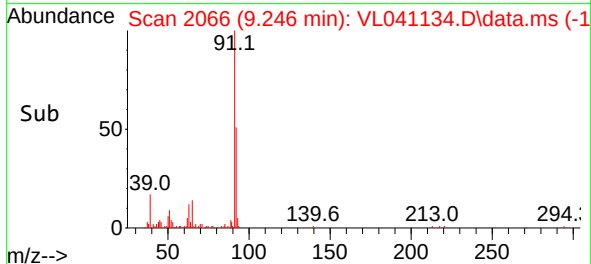
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 93510
Ion Ratio Lower Upper
91 100
92 63.2 49.0 73.4

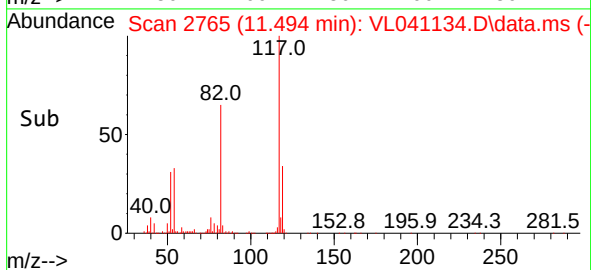
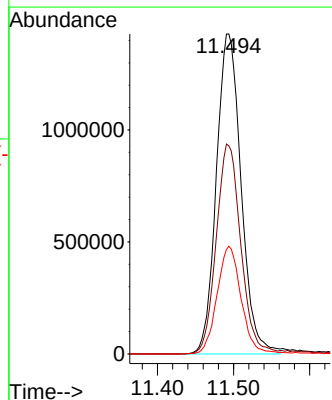
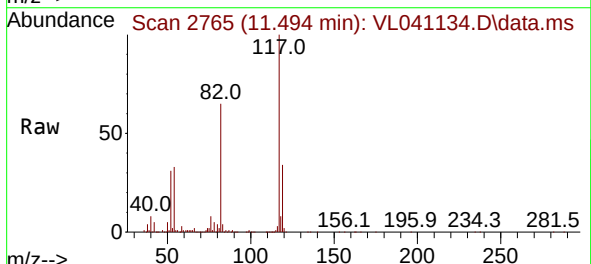
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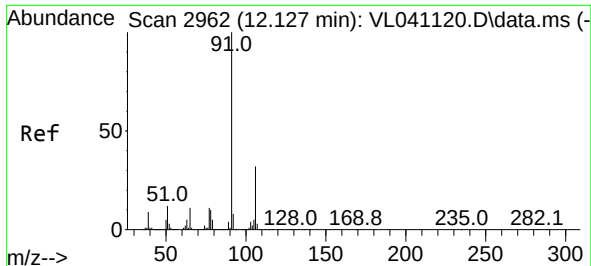
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. -0.013 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

Tgt Ion:117 Resp: 3230649
Ion Ratio Lower Upper
117 100
82 67.0 51.0 76.6
119 33.2 25.2 37.8





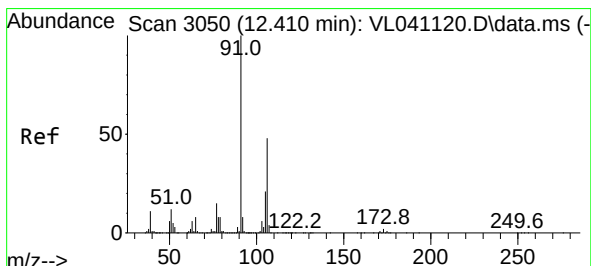
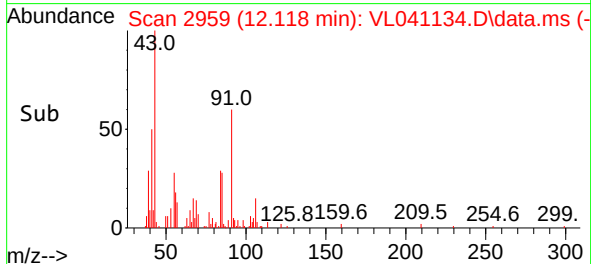
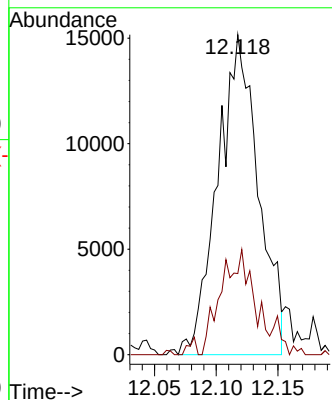
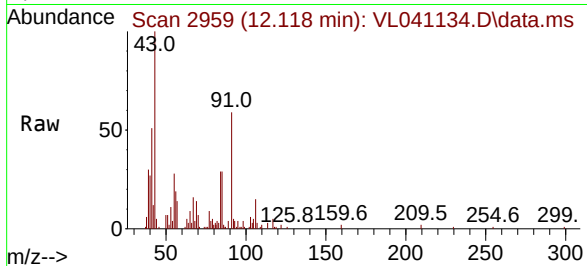
#58
Ethyl Benzene
Concen: 0.098 ppbv m
RT: 12.118 min Scan# 2962
Delta R.T. -0.010 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 34700
Ion Ratio Lower Upper
91 100
106 25.4 25.6 38.4

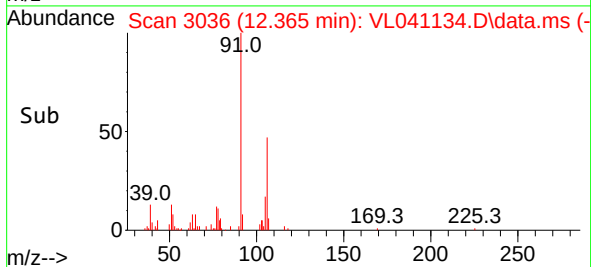
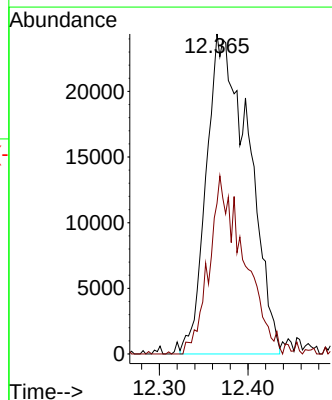
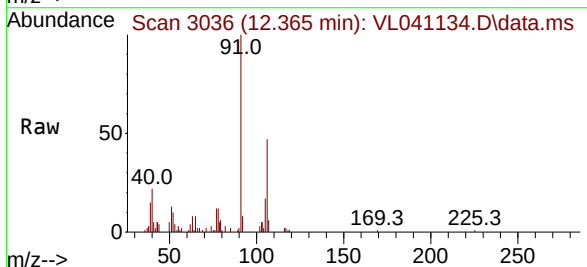
Manual Integrations
APPROVED

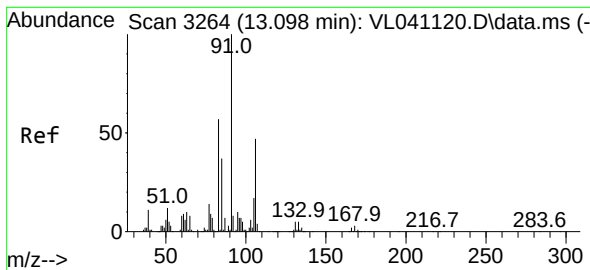
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#59
m/p-Xylene
Concen: 0.253 ppbv m
RT: 12.365 min Scan# 3036
Delta R.T. -0.045 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

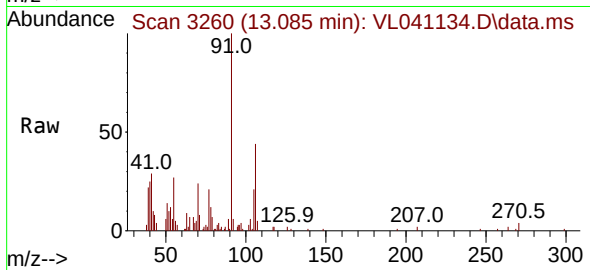
Tgt Ion: 91 Resp: 80928
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2





#60
o-Xylene
Concen: 0.124 ppbv
RT: 13.085 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

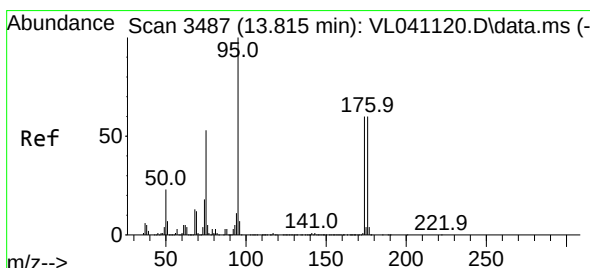
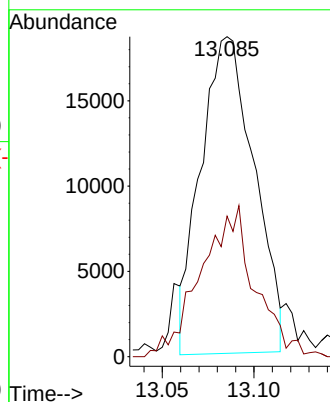
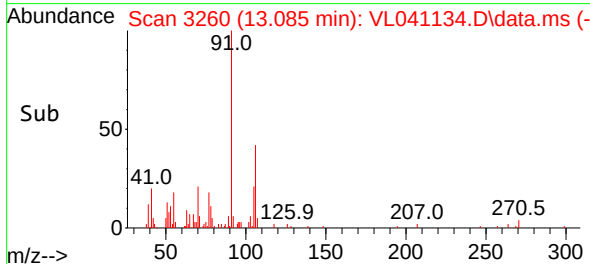
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 3763
Ion Ratio Lower Upper
91 100
106 48.4 22.9 68.5

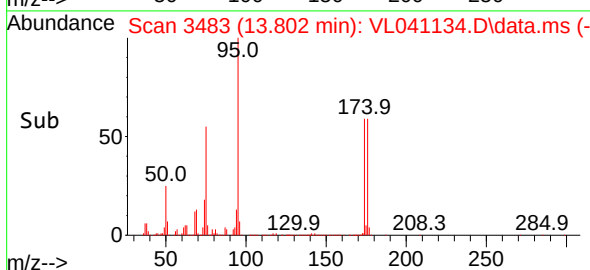
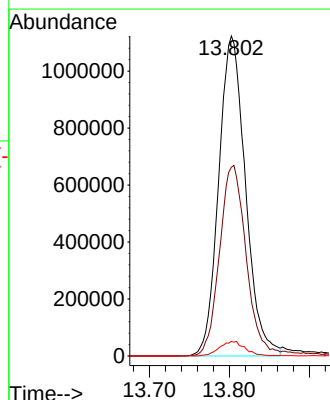
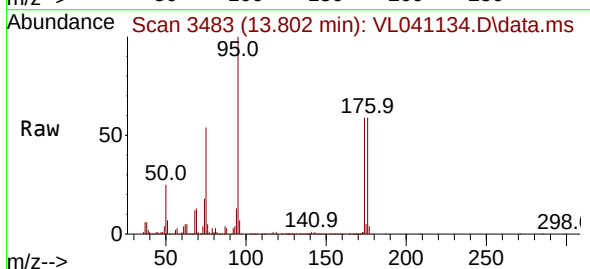
Manual Integrations
APPROVED

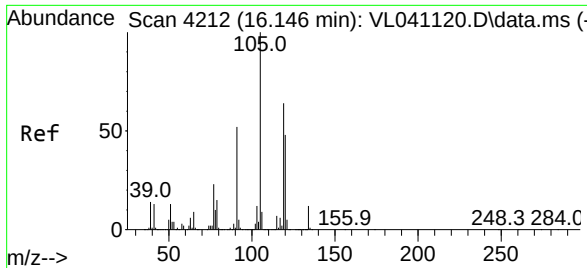
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.053 ppbv
RT: 13.802 min Scan# 3483
Delta R.T. -0.013 min
Lab File: VL041134.D
Acq: 4 Apr 2024 20:52

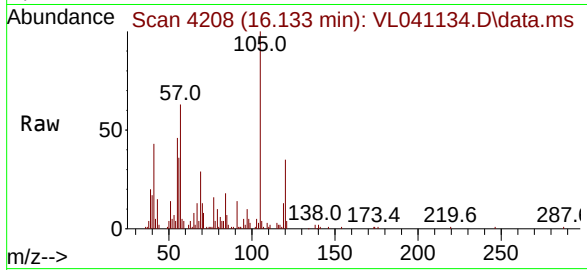
Tgt Ion: 95 Resp: 2611708
Ion Ratio Lower Upper
95 100
174 61.0 49.3 73.9
175 4.5 3.6 5.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.230 ppbv
 RT: 16.133 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: VL041134.D
 Acq: 4 Apr 2024 20:52

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion:	105	Resp:	7844
Ion Ratio	Lower	Upper	
105	100		
120	38.6	38.9	58.3
91	11.3	43.0	64.6
77	13.2	18.6	28.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

