

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041518.D
 Acq On : 8 Aug 2024 18:34
 Operator : SY/MD
 Sample : P3496-05DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024
 Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 09 05:57:51 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 9

QLast Update : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1171233	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3032376	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2752972	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2127243	10.041	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%
Target Compounds						
					Qvalue	
4) Chloromethane	2.806	50	8531	0.115	ppbv	97
9) Propene	2.690	41	466647	7.286	ppbv	98
10) Heptane	7.571	43	77404	0.538	ppbv	97
13) Ethanol	3.237	45	343058m	59.926	ppbv	
15) Acetone	3.459	43	4542272	34.133	ppbv #	89
17) tert-Butyl alcohol	3.877	59	72396	0.597	ppbv #	94
19) Isopropyl Alcohol	3.575	45	59874	0.770	ppbv #	93
20) Methylene Chloride	3.928	84	91545	1.845	ppbv	95
26) Hexane	5.208	57	69422	0.633	ppbv #	7
27) Carbon Disulfide	4.115	76	39641m	0.309	ppbv	
34) 2-Butanone	4.774	43	6793508	46.313	ppbv	97
51) 2-Hexanone	9.561	43	58925m	0.337	ppbv	
53) Toluene	9.214	91	24629m	0.100	ppbv	
58) Ethyl Benzene	12.076	91	70952	0.224	ppbv	93
59) m/p-Xylene	12.339	91	158942m	0.580	ppbv	
60) o-Xylene	13.047	91	51159	0.197	ppbv	98

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

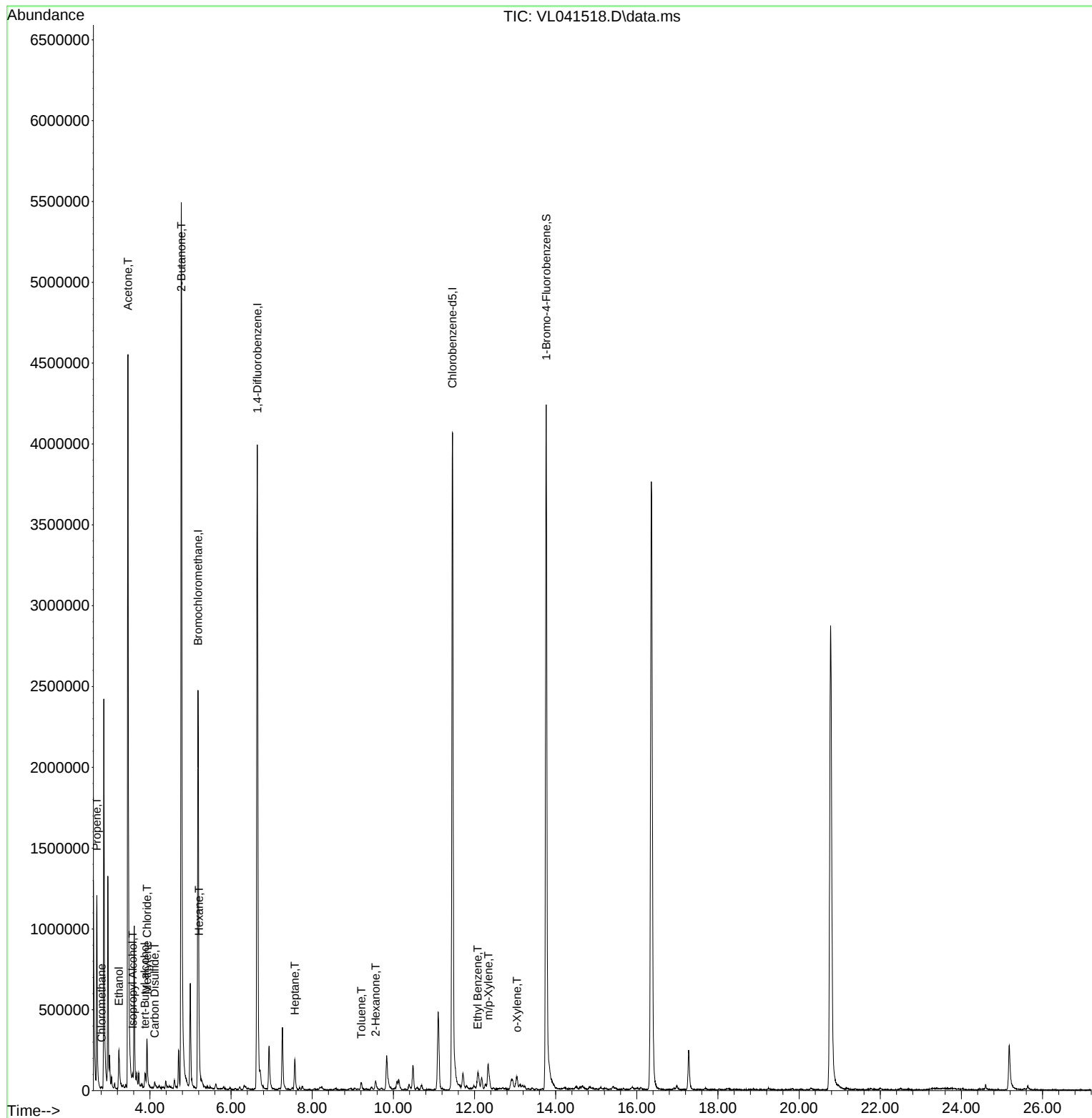
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
Data File : VL041518.D
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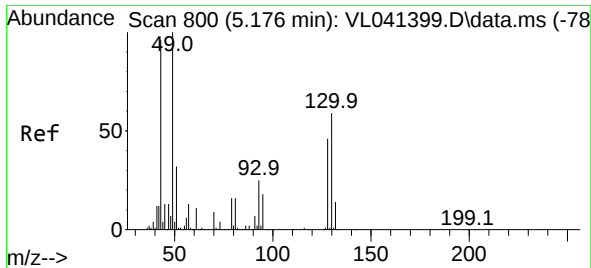
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Quant Time: Aug 09 05:57:51 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 Aug 06 01:32:58 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

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Supervised By : Mahesh Dadoda 08/09/2024





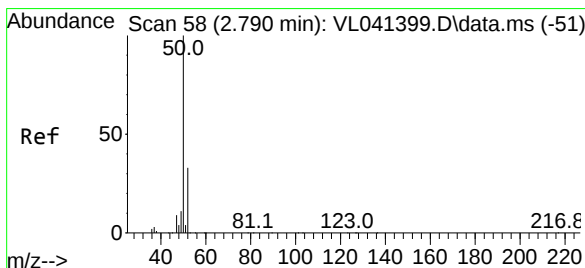
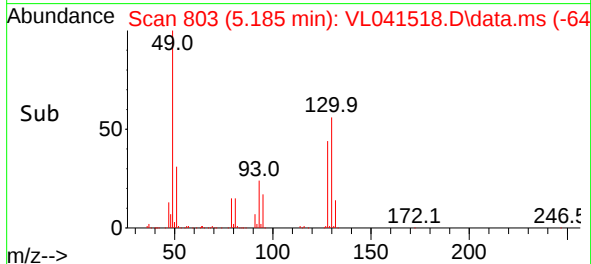
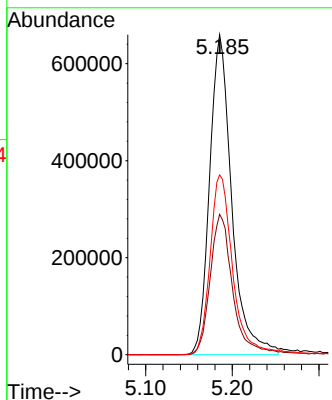
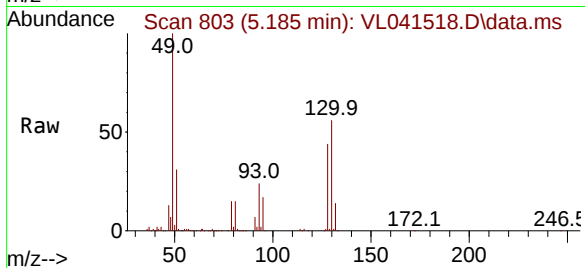
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.004 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Tgt Ion: 49 Resp: 117123
Ion Ratio Lower Upper
49 100
128 44.9 23.8 71.4
130 59.3 30.8 92.4

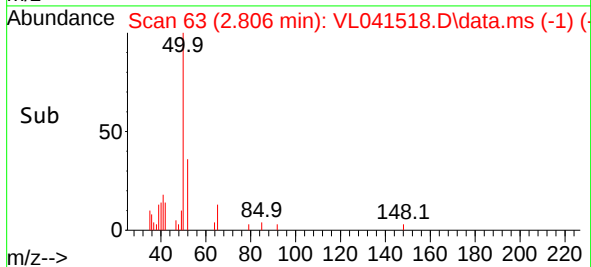
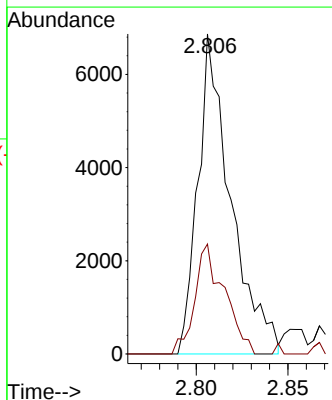
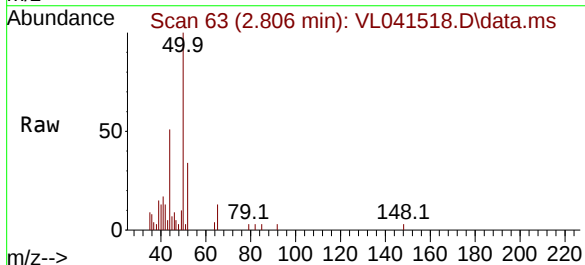
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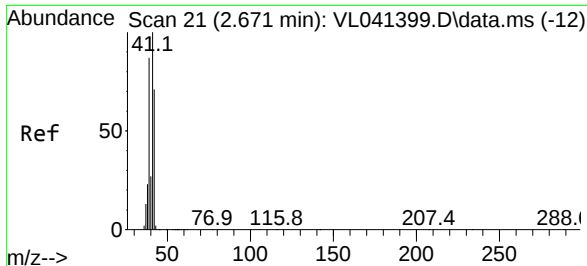
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#4
Chloromethane
Concen: 0.115 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.010 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

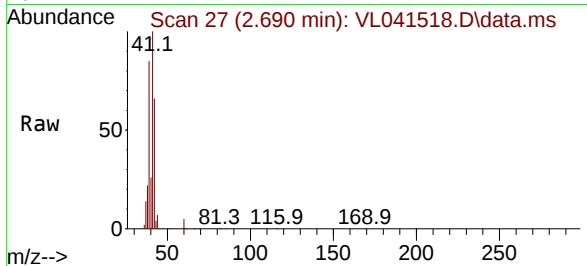
Tgt Ion: 50 Resp: 8531
Ion Ratio Lower Upper
50 100
52 31.1 26.1 39.1





#9
Propene
Concen: 7.286 ppbv
RT: 2.690 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

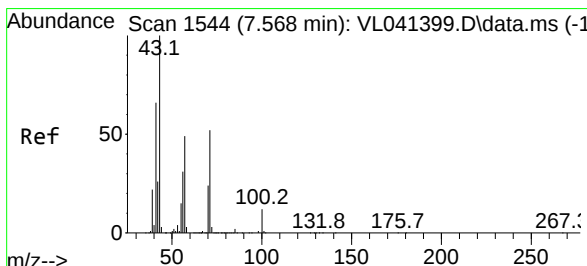
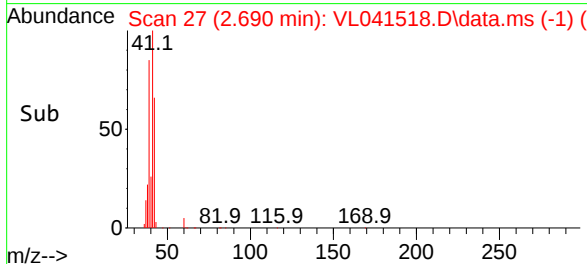
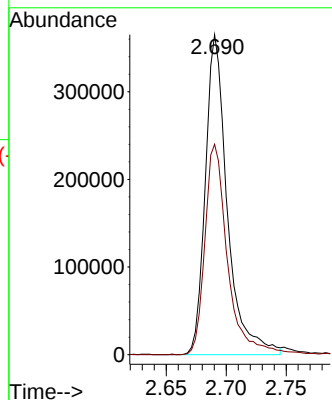
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL



Tgt Ion: 41 Resp: 46664
Ion Ratio Lower Upper
41 100
42 68.3 55.9 83.9

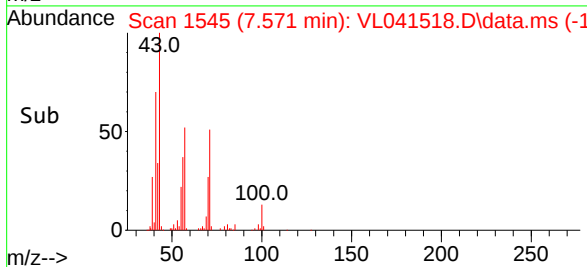
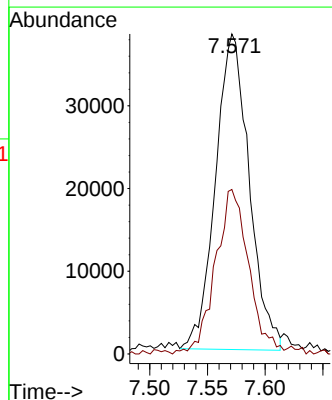
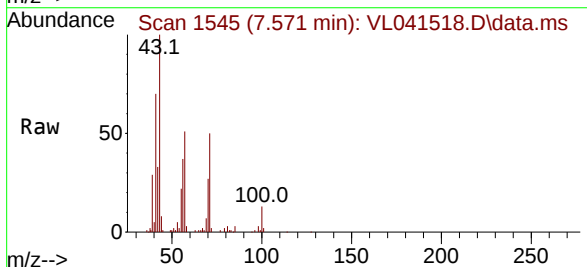
Manual Integrations
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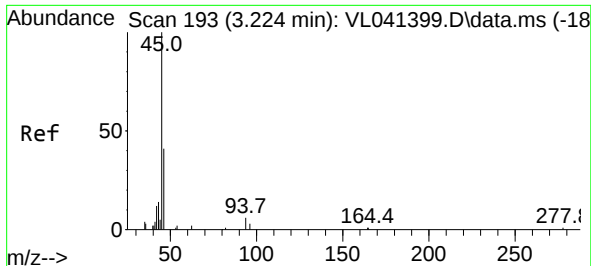
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#10
Heptane
Concen: 0.538 ppbv
RT: 7.571 min Scan# 1545
Delta R.T. -0.003 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

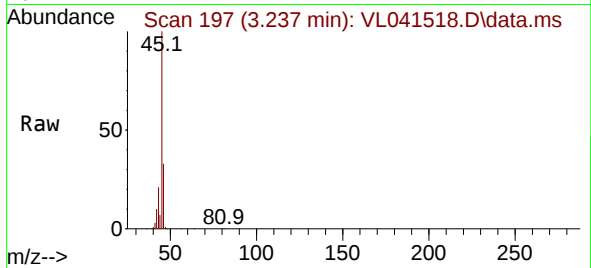
Tgt Ion: 43 Resp: 77404
Ion Ratio Lower Upper
43 100
57 52.8 40.5 60.7





#13
Ethanol
Concen: 59.926 ppbv m
RT: 3.237 min Scan# 197
Delta R.T. -0.006 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

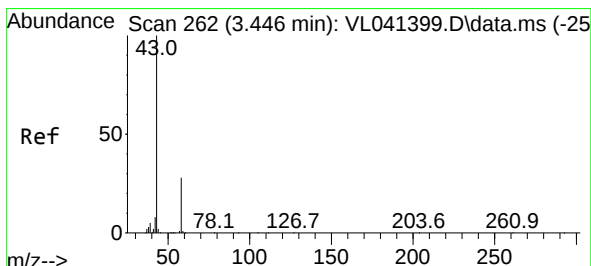
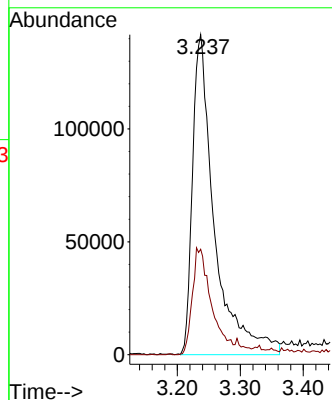
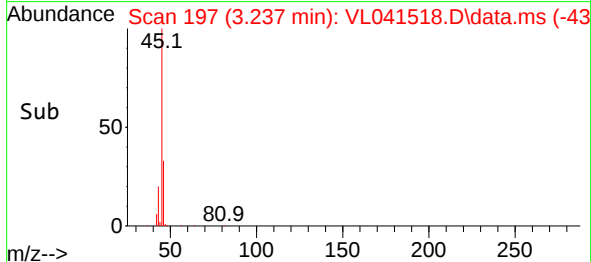
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL



Tgt Ion: 45 Resp: 343058
Ion Ratio Lower Upper
45 100
46 31.3 13.4 53.4

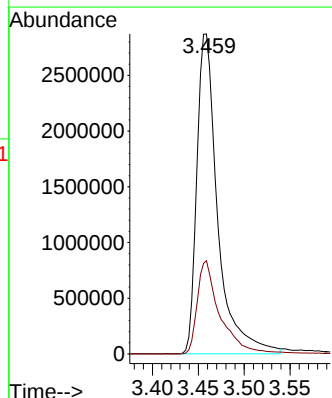
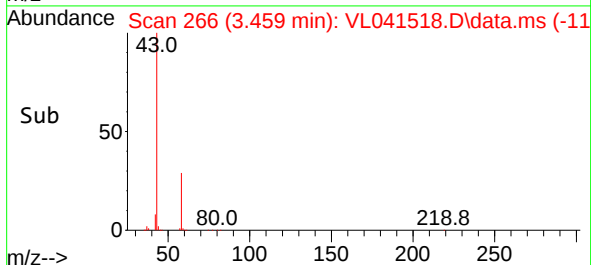
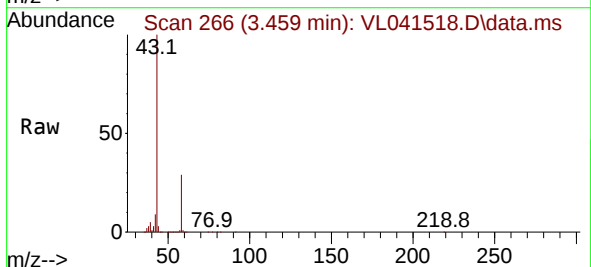
Manual Integrations
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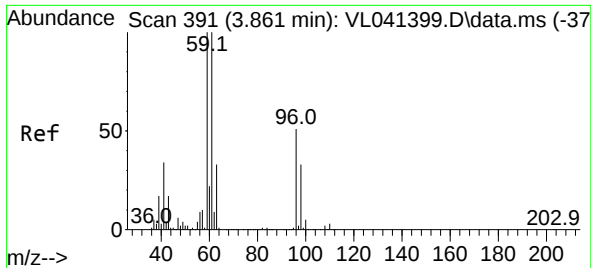
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#15
Acetone
Concen: 34.133 ppbv
RT: 3.459 min Scan# 266
Delta R.T. -0.010 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

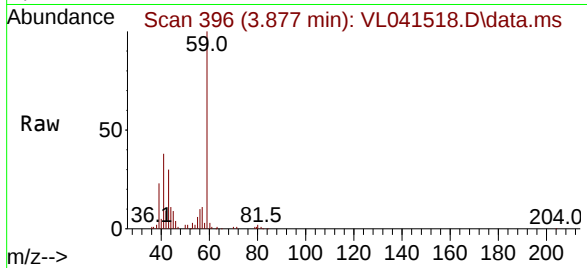
Tgt Ion: 43 Resp: 4542272
Ion Ratio Lower Upper
43 100
58 32.3 21.4 32.2#





#17
tert-Butyl alcohol
Concen: 0.597 ppbv
RT: 3.877 min Scan# 391
Delta R.T. 0.000 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

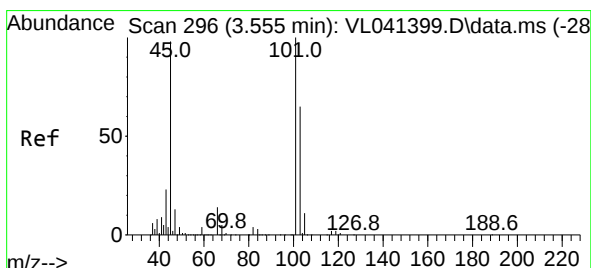
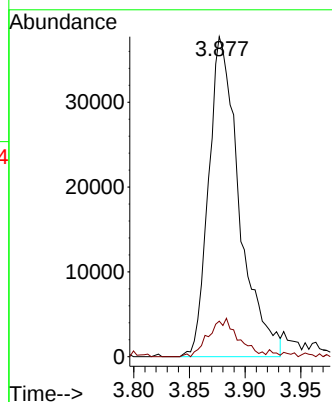
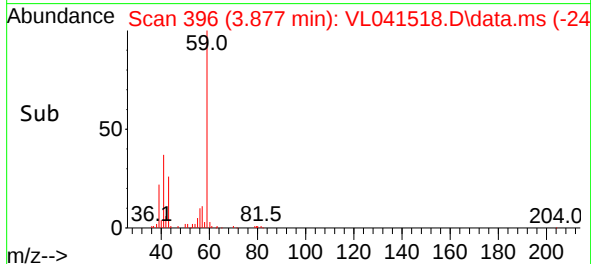
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL



Tgt Ion: 59 Resp: 72390
Ion Ratio Lower Upper
59 100
57 13.0 8.6 12.8

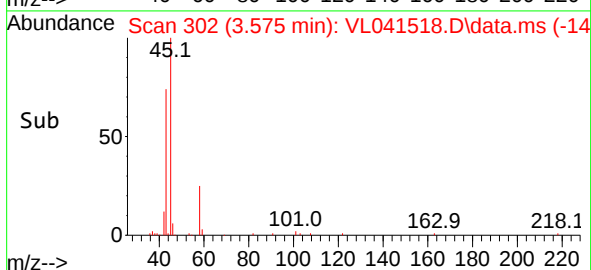
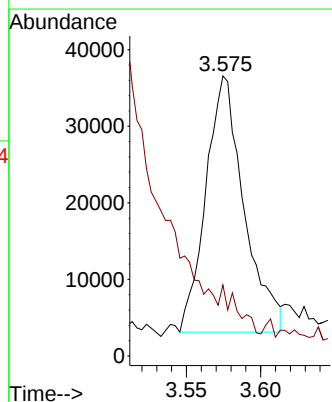
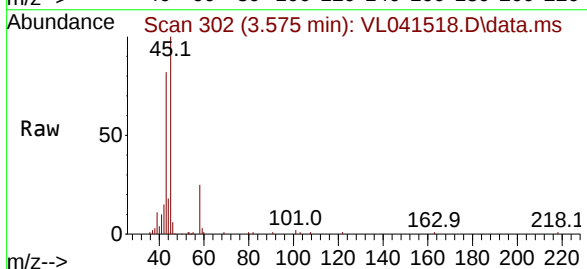
Manual Integrations
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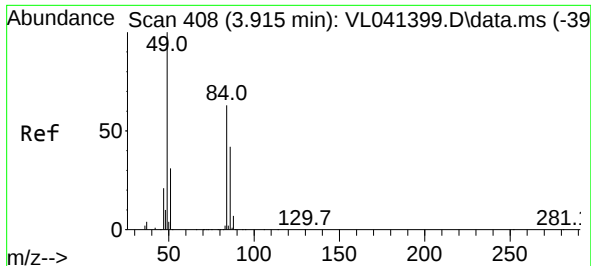
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#19
Isopropyl Alcohol
Concen: 0.770 ppbv
RT: 3.575 min Scan# 302
Delta R.T. 0.000 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Tgt Ion: 45 Resp: 59874
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9





#20

Methylene Chloride

Concen: 1.845 ppbv

RT: 3.928 min Scan# 412

Delta R.T. -0.003 min

Lab File: VL041518.D

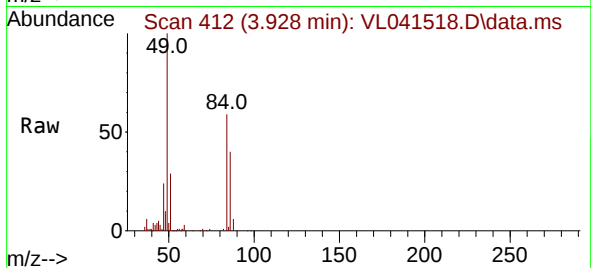
Acq: 8 Aug 2024 18:34

Instrument :

MSVOA_L

ClientSampleId :

SV-4DL



Tgt Ion: 84 Resp: 9154

Ion Ratio Lower Upper

84 100

49 167.4 126.6 190.0

51 46.6 38.6 58.0

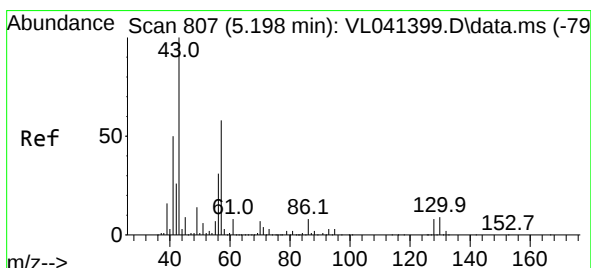
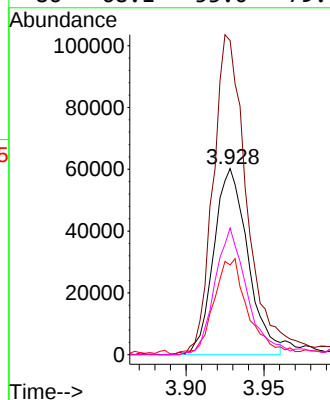
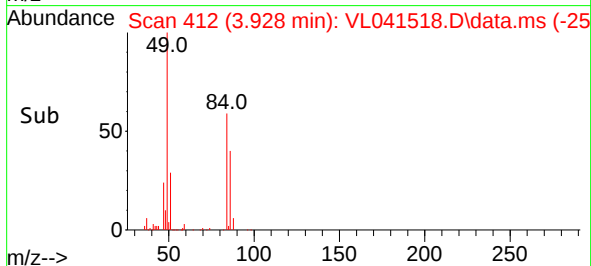
86 68.1 53.0 79.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/09/2024

Supervised By :Mahesh Dadoda 08/09/2024



#26

Hexane

Concen: 0.633 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.003 min

Lab File: VL041518.D

Acq: 8 Aug 2024 18:34

Tgt Ion: 57 Resp: 69422

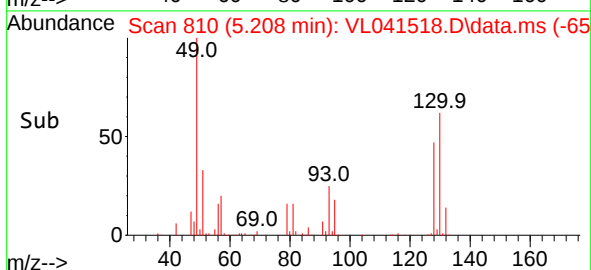
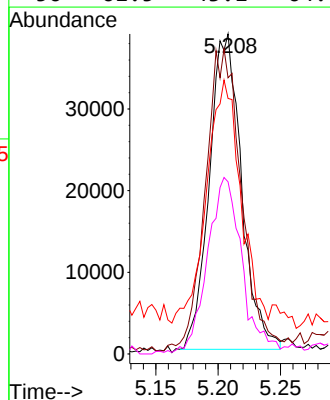
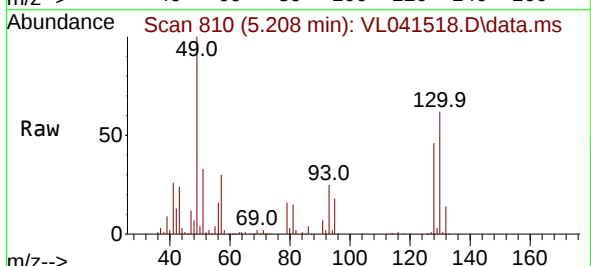
Ion Ratio Lower Upper

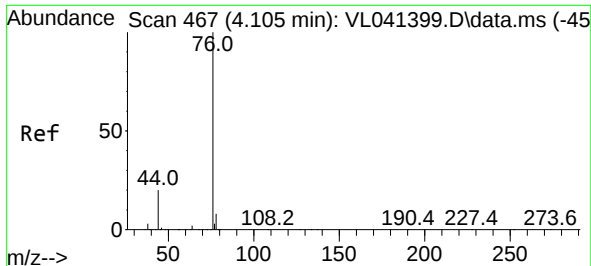
57 100

41 107.5 74.0 111.0

43 0.0 193.6 290.4#

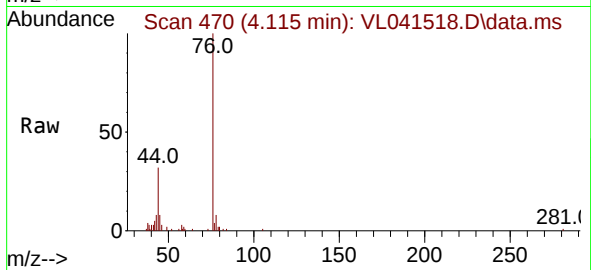
56 61.5 43.1 64.7





#27
Carbon Disulfide
Concen: 0.309 ppbv m
RT: 4.115 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

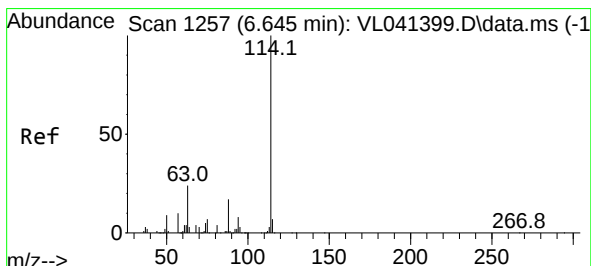
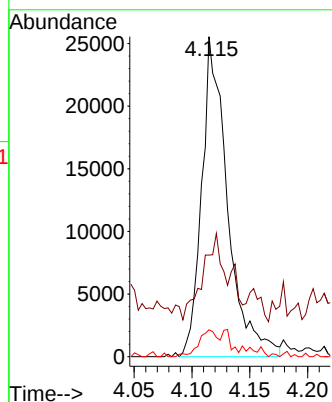
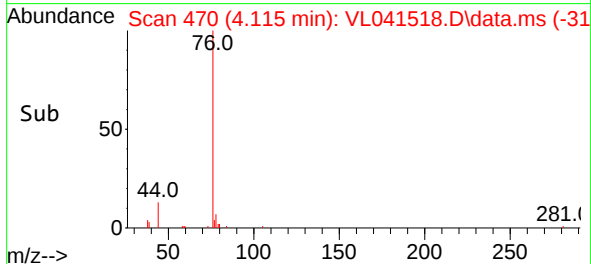
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL



Tgt Ion: 76 Resp: 3964
Ion Ratio Lower Upper
76 100
44 32.8 15.6 23.4
78 11.8 7.7 11.5

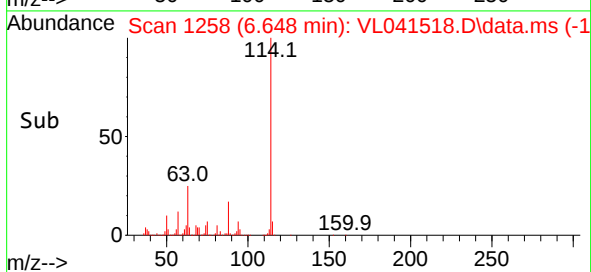
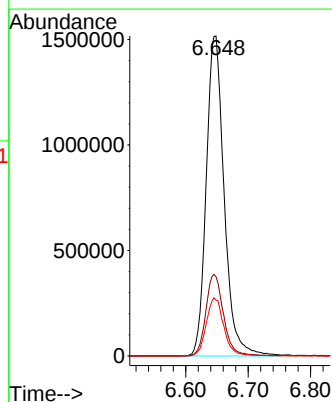
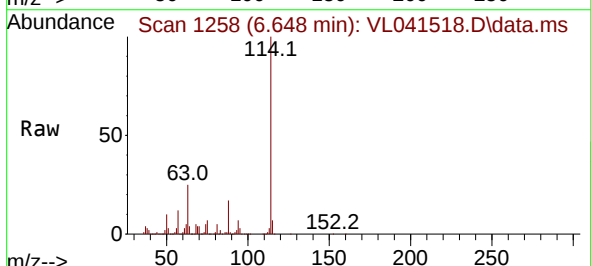
Manual Integrations
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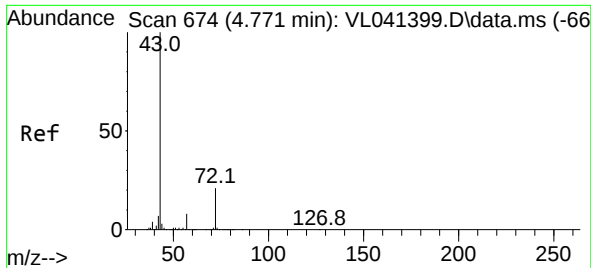
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Tgt Ion:114 Resp: 3032376
Ion Ratio Lower Upper
114 100
63 25.3 20.3 30.5
88 17.9 14.3 21.5





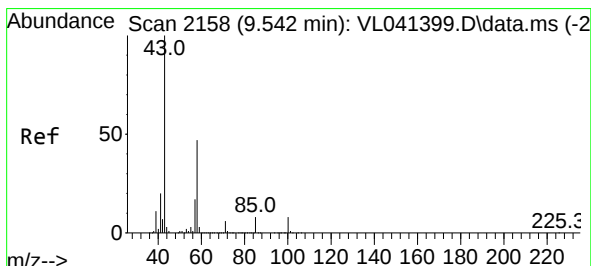
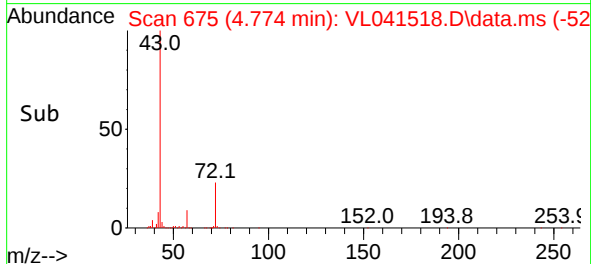
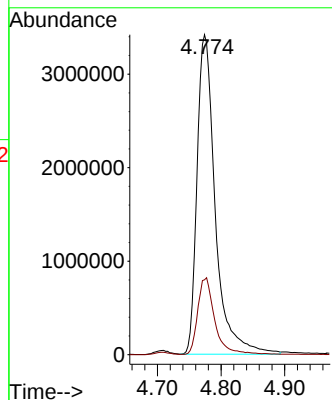
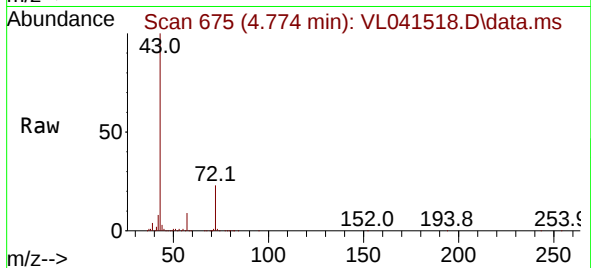
#34
2-Butanone
Concen: 46.313 ppbv
RT: 4.774 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Tgt Ion: 43 Resp: 6793508
Ion Ratio Lower Upper
43 100
72 22.8 17.3 25.9

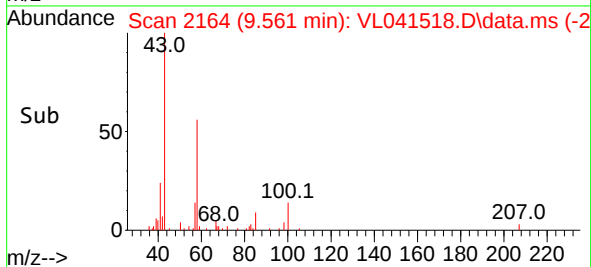
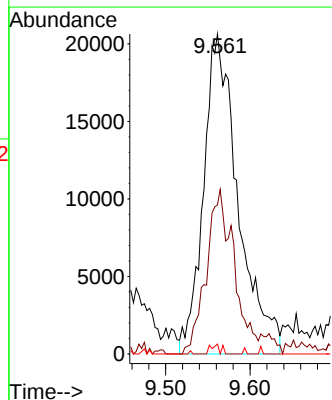
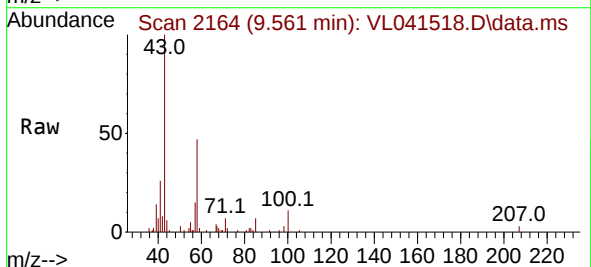
Manual Integrations
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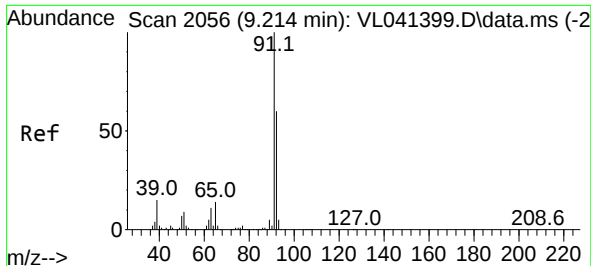
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#51
2-Hexanone
Concen: 0.337 ppbv m
RT: 9.561 min Scan# 2164
Delta R.T. 0.016 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

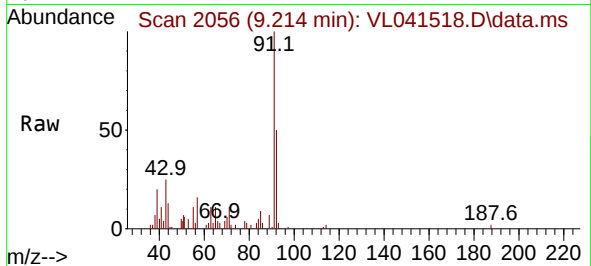
Tgt Ion: 43 Resp: 58925
Ion Ratio Lower Upper
43 100
58 46.0 38.2 57.2
98 0.9 0.3 0.5#





#53
Toluene
Concen: 0.100 ppbv m
RT: 9.214 min Scan# 2056
Delta R.T. -0.003 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

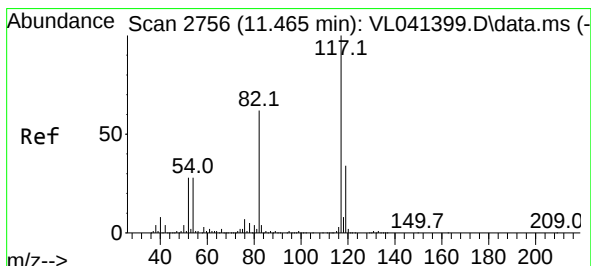
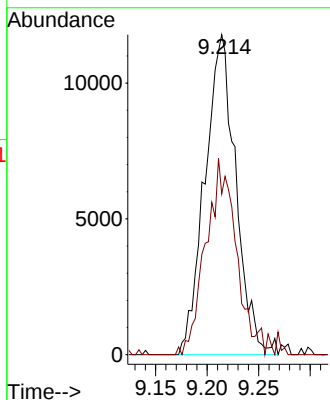
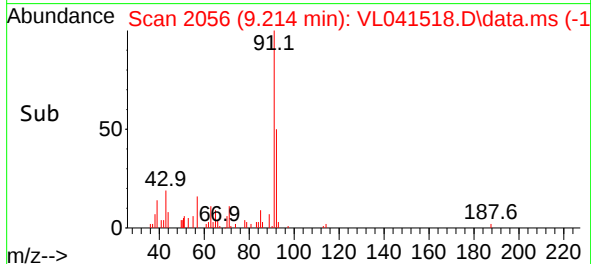
Instrument :
MSVOA_L
ClientSampleId :
SV-4DL



Tgt Ion: 91 Resp: 24629
Ion Ratio Lower Upper
91 100
92 60.6 48.7 73.1

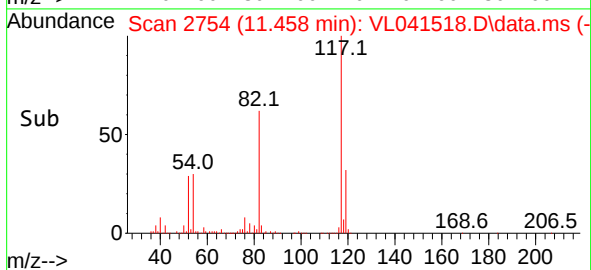
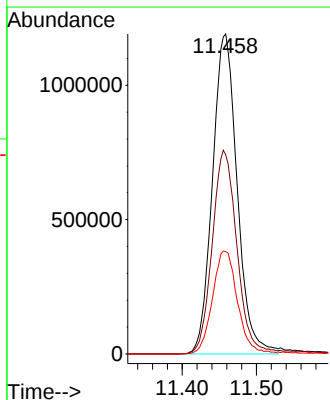
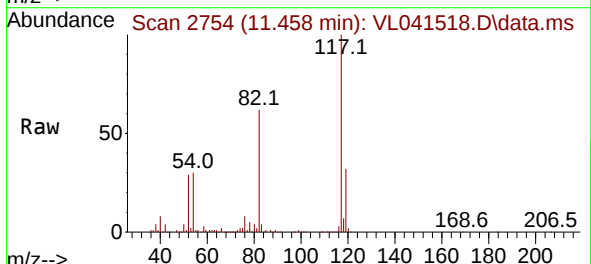
Manual Integrations
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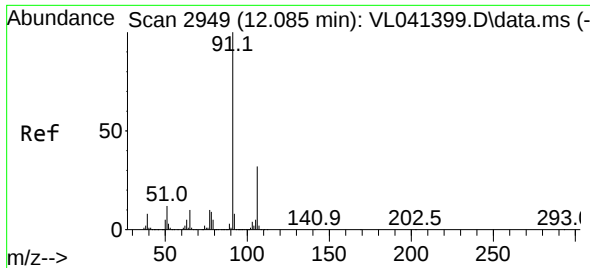
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.003 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Tgt Ion:117 Resp: 2752972
Ion Ratio Lower Upper
117 100
82 65.2 51.0 76.6
119 32.9 45.2 67.8#





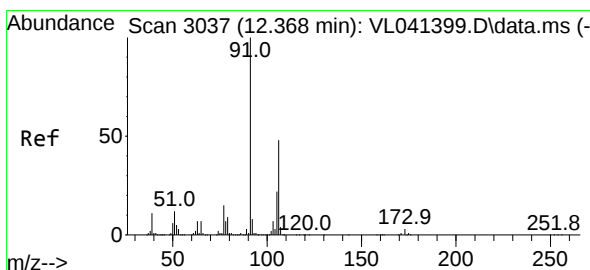
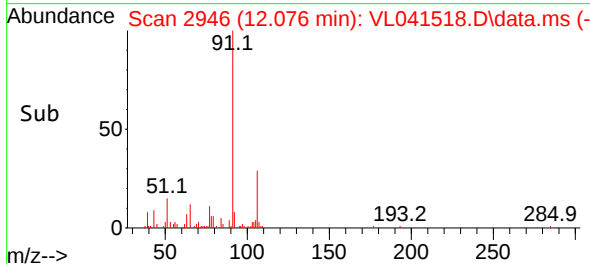
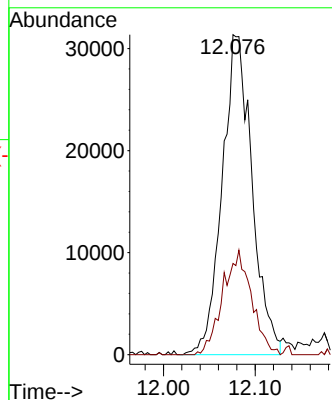
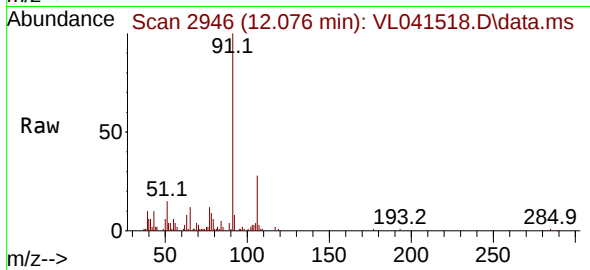
#58
Ethyl Benzene
Concen: 0.224 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. -0.010 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Tgt Ion: 91 Resp: 70952
Ion Ratio Lower Upper
91 100
106 28.5 25.8 38.8

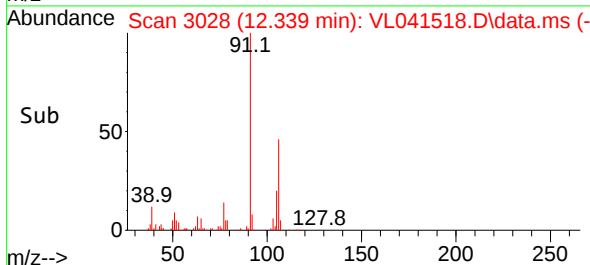
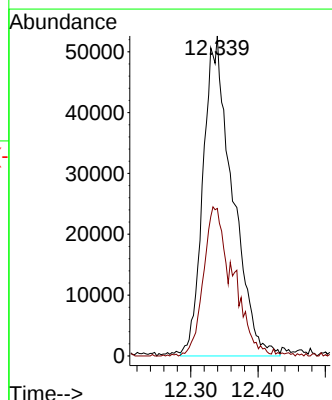
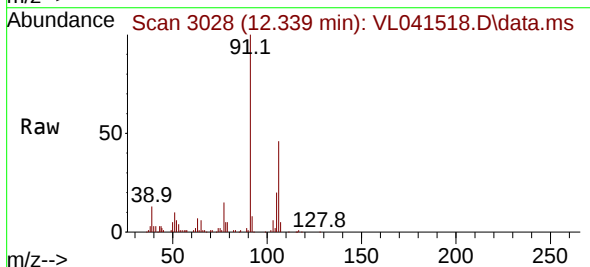
Manual Integrations
APPROVED

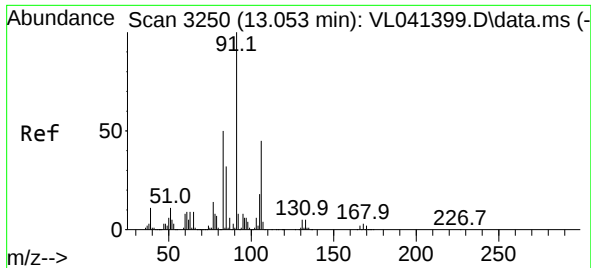
Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#59
m/p-Xylene
Concen: 0.580 ppbv m
RT: 12.339 min Scan# 3028
Delta R.T. -0.029 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Tgt Ion: 91 Resp: 158942
Ion Ratio Lower Upper
91 100
106 0.0 36.3 54.5#





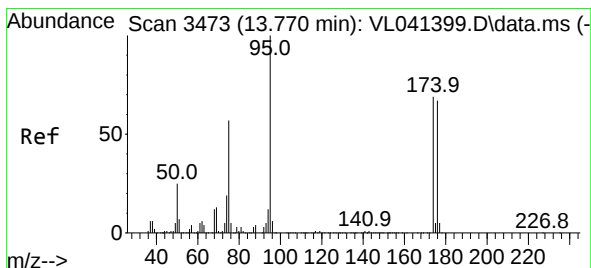
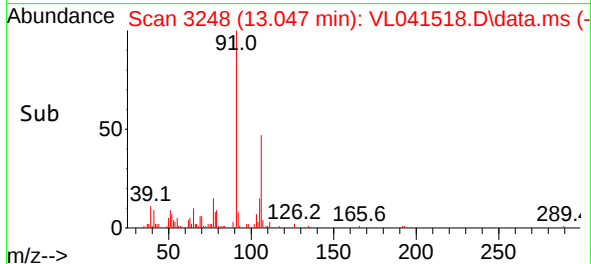
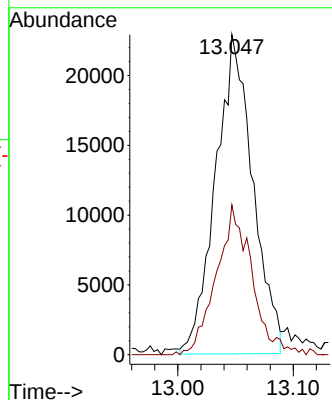
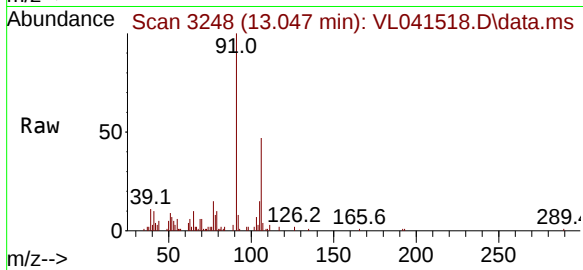
#60
o-Xylene
Concen: 0.197 ppbv
RT: 13.047 min Scan# 3115
Delta R.T. -0.006 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Instrument :
MSVOA_L
ClientSampleId :
SV-4DL

Tgt Ion: 91 Resp: 5115
Ion Ratio Lower Upper
91 100
106 45.0 23.1 69.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024
Supervised By :Mahesh Dadoda 08/09/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.041 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. 0.000 min
Lab File: VL041518.D
Acq: 8 Aug 2024 18:34

Tgt Ion: 95 Resp: 2127243
Ion Ratio Lower Upper
95 100
174 71.8 56.3 84.5
175 4.9 4.0 6.0

