

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082124\
 Data File : VL041566.D
 Acq On : 21 Aug 2024 13:50
 Operator : SY/MD
 Sample : P3679-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/23/2024
 Supervised By :Mahesh Dadoda 08/23/2024

Quant Time: Aug 22 01:11:51 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 22 01:11:51 2024

QLast Update : Thu Aug 22 01:05:17 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1007322	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2700438	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2470965	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1911550	10.053	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.745	85	29272	0.169	ppbv #	84
9) Propene	2.722	41	40362	0.733	ppbv #	74
10) Heptane	7.577	43	22589	0.183	ppbv	94
11) Trichlorofluoromethane	3.574	101	42355	0.275	ppbv	88
13) Ethanol	3.256	45	331575	67.344	ppbv	93
15) Acetone	3.488	43	310145	2.710	ppbv #	89
19) Isopropyl Alcohol	3.594	45	47029	0.703	ppbv #	81
20) Methylene Chloride	3.947	84	27379	0.641	ppbv	89
26) Hexane	5.214	57	85456m	0.906	ppbv	
27) Carbon Disulfide	4.137	76	11433m	0.104	ppbv	
29) Chloroform	5.278	83	18461	0.120	ppbv	91
34) 2-Butanone	4.799	43	192362	1.473	ppbv	94
36) Benzene	6.378	78	26106m	0.132	ppbv	
50) 4-Methyl-2-Pentanone	8.185	43	529421	2.569	ppbv	99
51) 2-Hexanone	9.564	43	66867	0.429	ppbv #	96
52) Tetrachloroethene	10.613	164	15329m	0.201	ppbv	
53) Toluene	9.214	91	273040	1.242	ppbv	100
58) Ethyl Benzene	12.082	91	632080	2.219	ppbv	98
59) m/p-Xylene	12.336	91	2204442	8.966	ppbv	96
60) o-Xylene	13.053	91	939015	4.037	ppbv	100
64) n-propylbenzene	14.912	120	10514m	0.114	ppbv	
65) tert-Butylbenzene	16.098	119	35062	0.110	ppbv #	58
72) 4-Ethyltoluene	15.194	105	75916m	0.277	ppbv	
73) 1,3,5-Trimethylbenzene	15.349	105	50786	0.215	ppbv	94
74) 1,2,4-Trimethylbenzene	16.095	105	284793	1.038	ppbv #	70
79) Naphthalene	21.368	128	7860	0.032	ppbv #	84

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

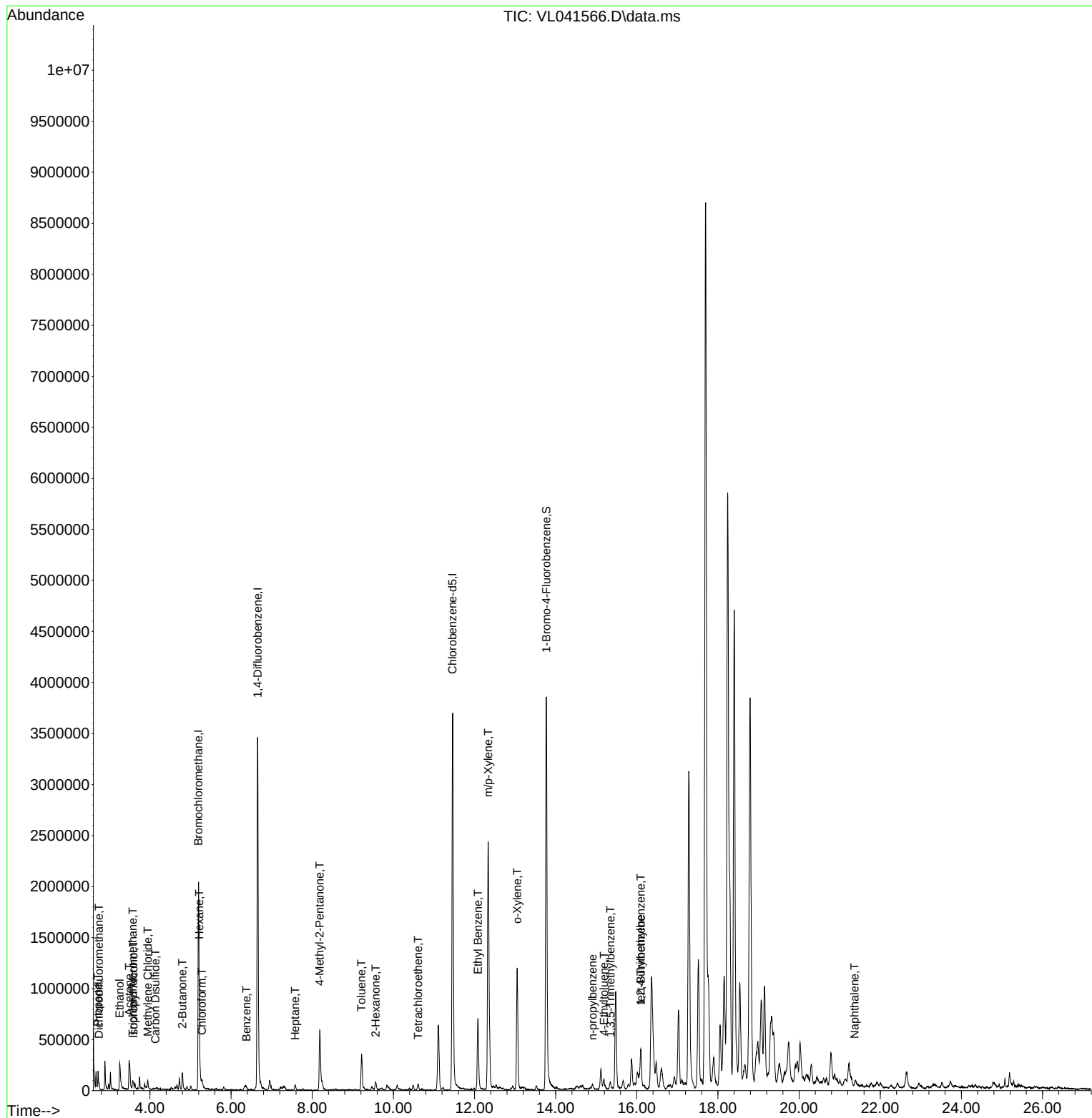
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082124\
Data File : VL041566.D
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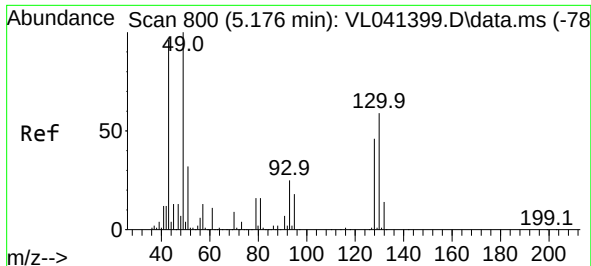
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Aug 22 01:11:51 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 : Thu Aug 22 01:05:17 2024
Response via : Initial Calibration

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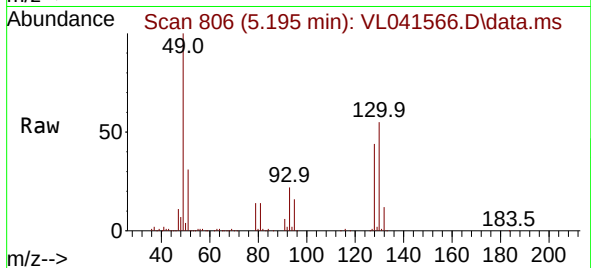
Reviewed By : Semsettin Yesilyurt 08/23/2024
Supervised By : Mahesh Dadoda 08/23/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

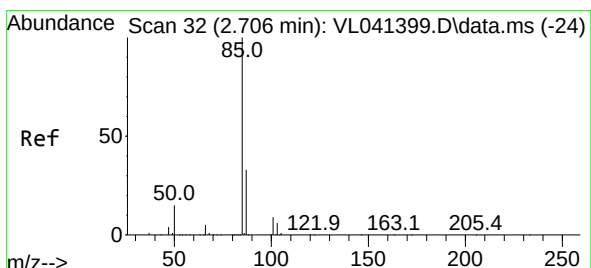
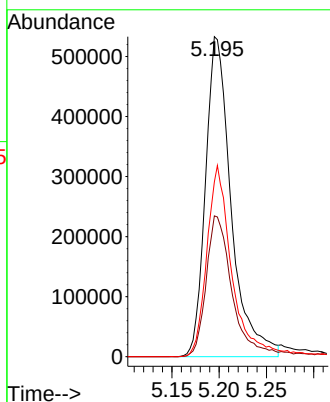
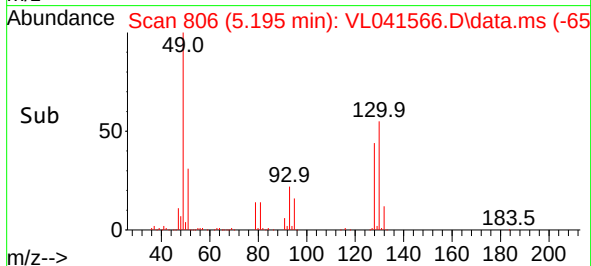
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 100732
Ion Ratio Lower Upper
49 100
128 46.6 23.8 71.4
130 59.1 30.8 92.4

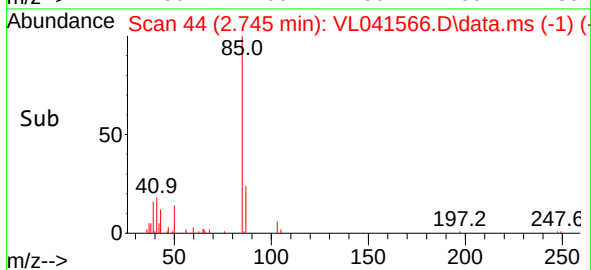
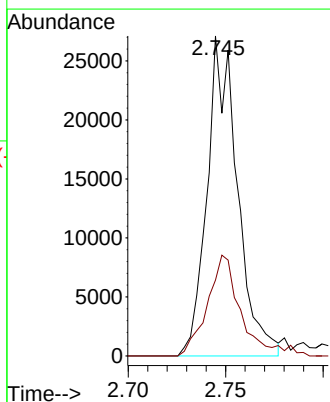
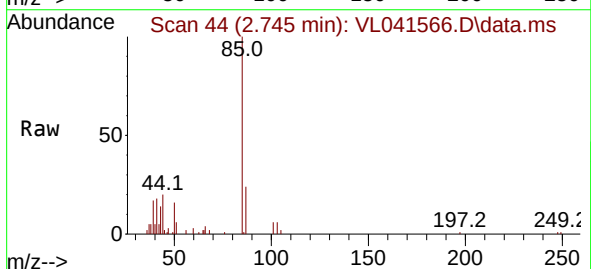
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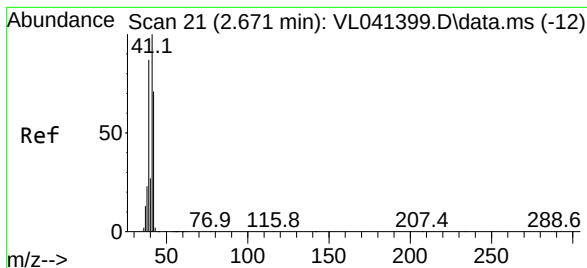
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#2
Dichlorodifluoromethane
Concen: 0.169 ppbv
RT: 2.745 min Scan# 44
Delta R.T. 0.003 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

Tgt Ion: 85 Resp: 29272
Ion Ratio Lower Upper
85 100
87 23.7 26.0 39.0





#9

Propene

Concen: 0.733 ppbv

RT: 2.722 min Scan# 31

Delta R.T. 0.016 min

Lab File: VL041566.D

Acq: 21 Aug 2024 13:50

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 41 Resp: 40362

Ion Ratio Lower Upper

41 100

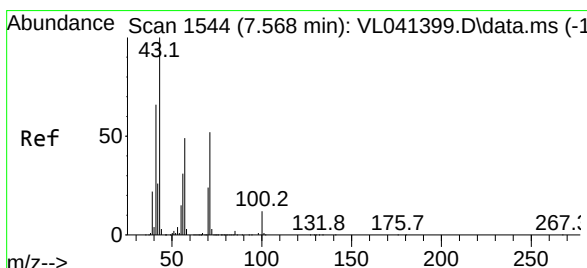
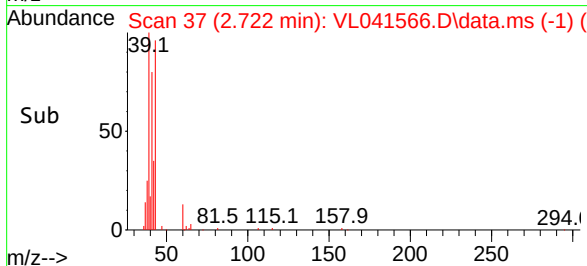
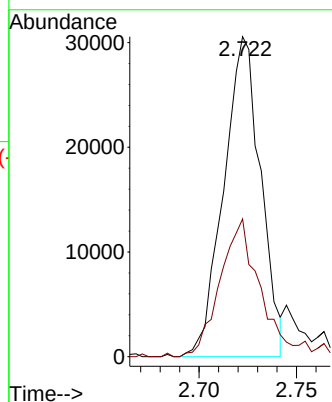
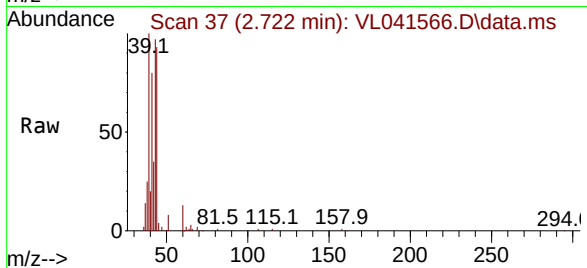
42 48.9 55.9 83.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/23/2024

Supervised By :Mahesh Dadoda 08/23/2024



#10

Heptane

Concen: 0.183 ppbv

RT: 7.577 min Scan# 1547

Delta R.T. -0.003 min

Lab File: VL041566.D

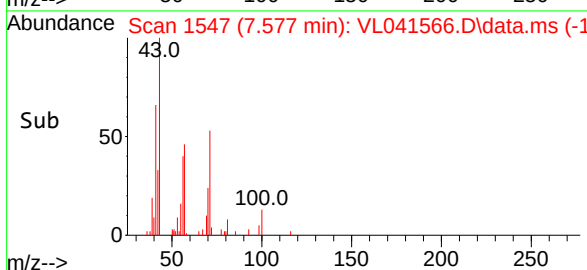
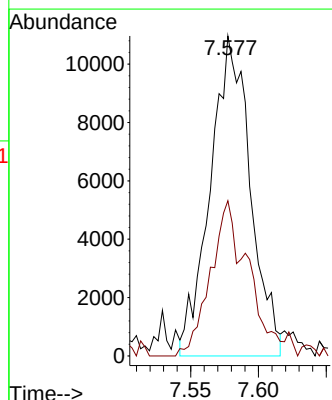
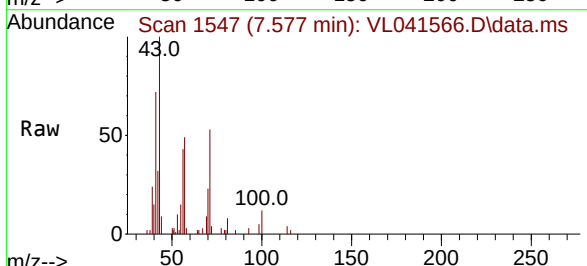
Acq: 21 Aug 2024 13:50

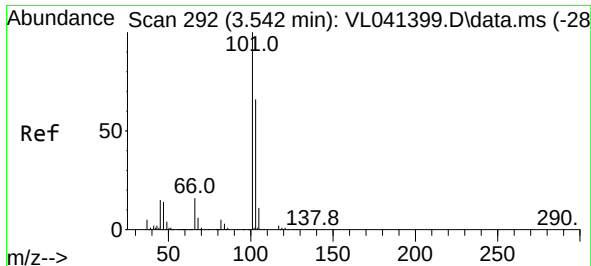
Tgt Ion: 43 Resp: 22589

Ion Ratio Lower Upper

43 100

57 46.5 40.5 60.7





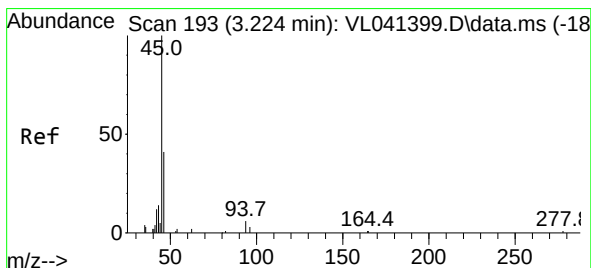
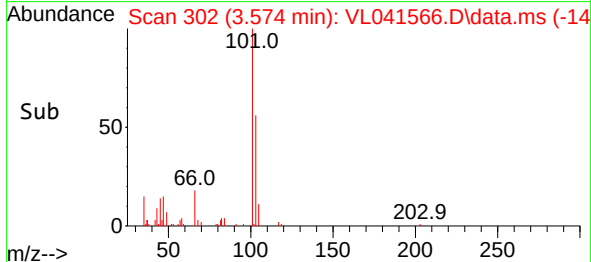
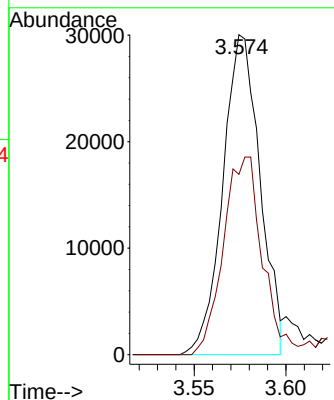
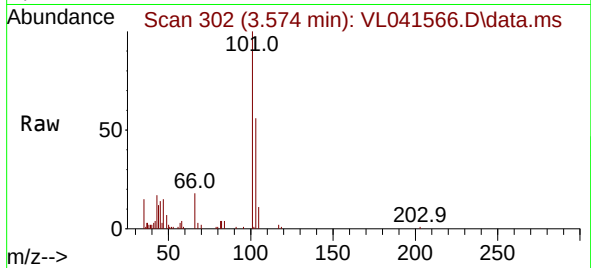
#11
Trichlorofluoromethane
Concen: 0.275 ppbv
RT: 3.574 min Scan# 302
Delta R.T. 0.003 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:101 Resp: 4235
Ion Ratio Lower Upper
101 100
103 56.4 52.6 79.0

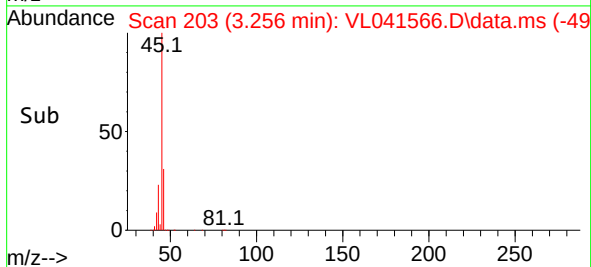
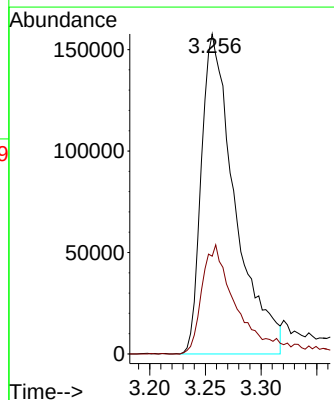
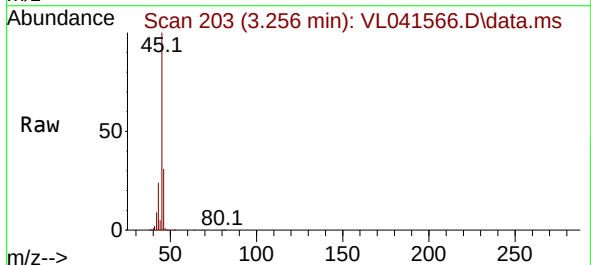
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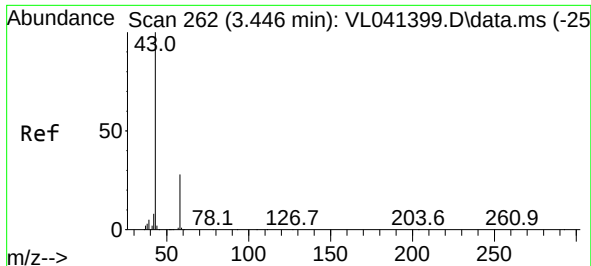
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#13
Ethanol
Concen: 67.344 ppbv
RT: 3.256 min Scan# 203
Delta R.T. -0.003 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

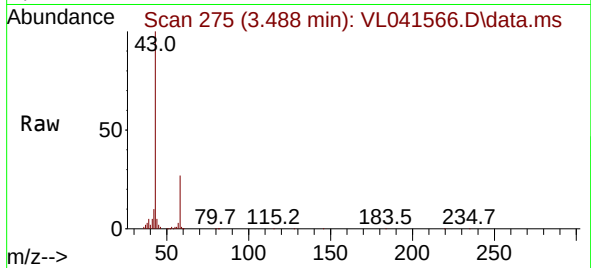
Tgt Ion: 45 Resp: 331575
Ion Ratio Lower Upper
45 100
46 37.6 13.4 53.4





#15
Acetone
Concen: 2.710 ppbv
RT: 3.488 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

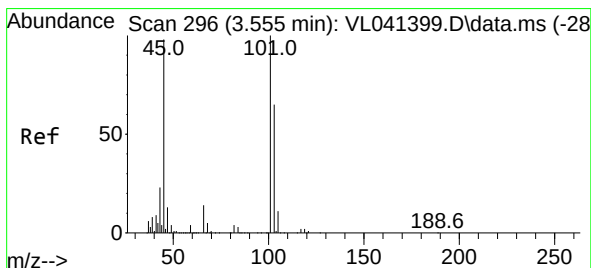
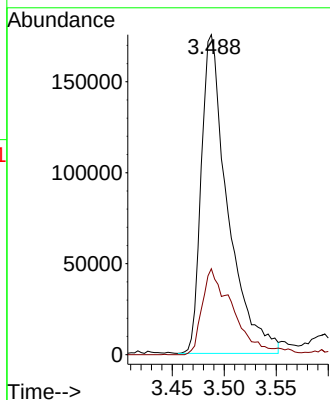
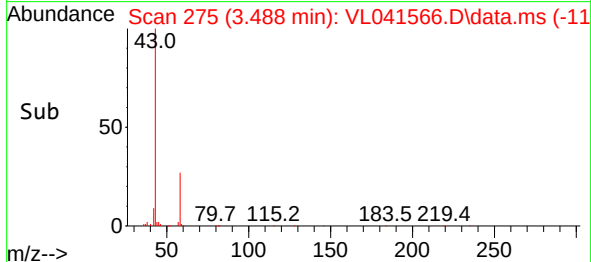
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 31014
Ion Ratio Lower Upper
43 100
58 32.4 21.4 32.2

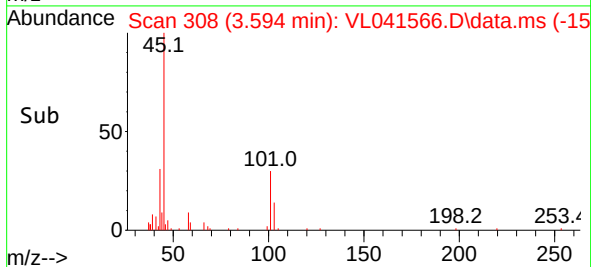
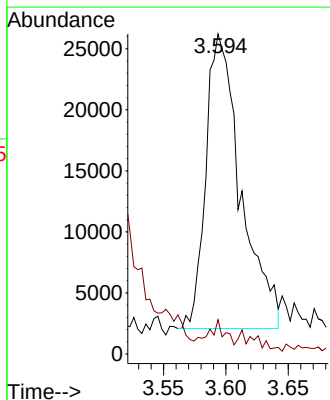
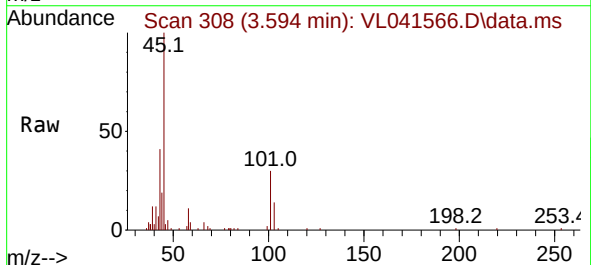
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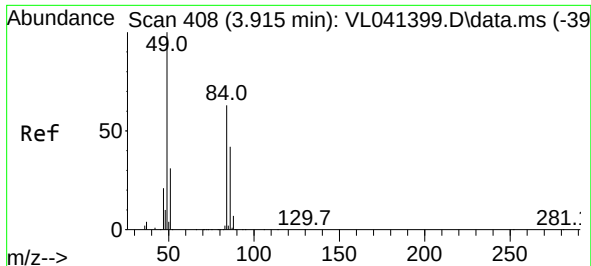
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#19
Isopropyl Alcohol
Concen: 0.703 ppbv
RT: 3.594 min Scan# 308
Delta R.T. 0.010 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

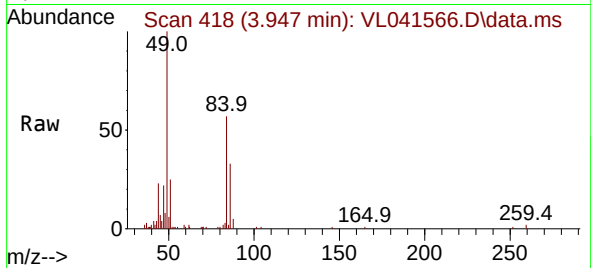
Tgt Ion: 45 Resp: 47029
Ion Ratio Lower Upper
45 100
58 9.0 1.9 2.9





#20
Methylene Chloride
Concen: 0.641 ppbv
RT: 3.947 min Scan# 418
Delta R.T. 0.006 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

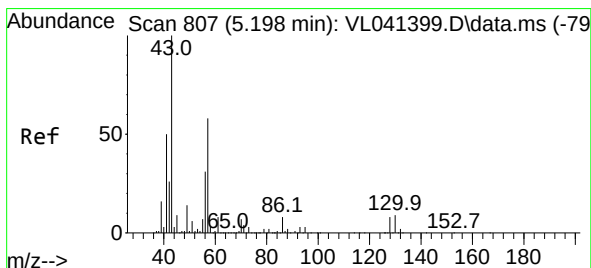
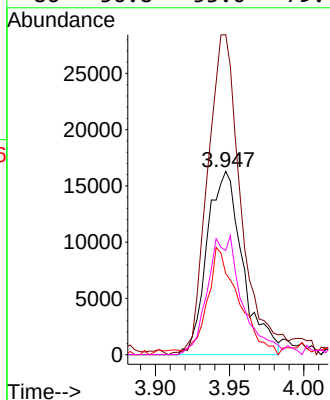
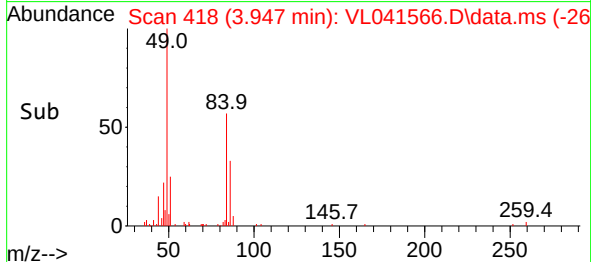
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 27379
Ion Ratio Lower Upper
84 100
49 173.2 126.6 190.0
51 44.2 38.6 58.0
86 56.8 53.0 79.4

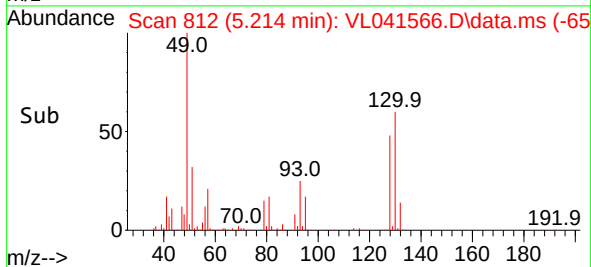
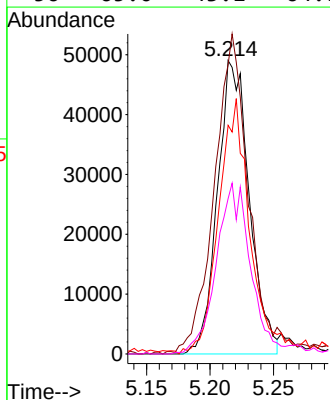
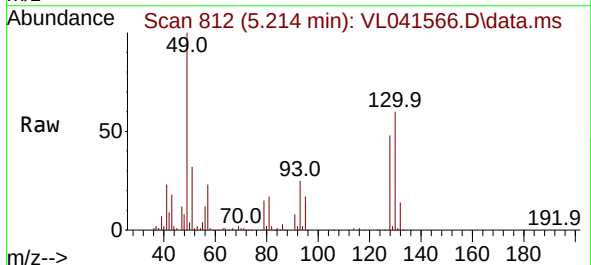
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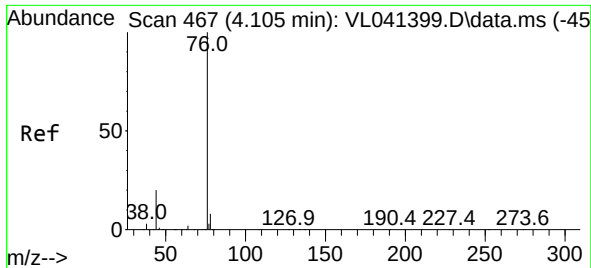
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#26
Hexane
Concen: 0.906 ppbv m
RT: 5.214 min Scan# 812
Delta R.T. -0.003 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

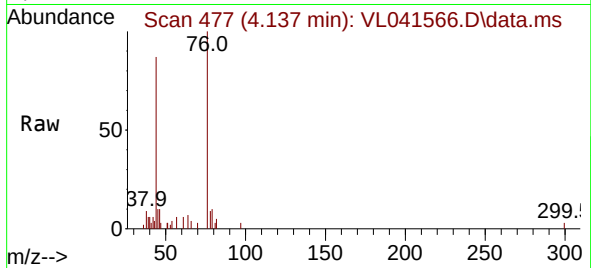
Tgt Ion: 57 Resp: 85456
Ion Ratio Lower Upper
57 100
41 119.7 74.0 111.0#
43 86.8 193.6 290.4#
56 65.0 43.1 64.7#





#27
Carbon Disulfide
Concen: 0.104 ppbv m
RT: 4.137 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

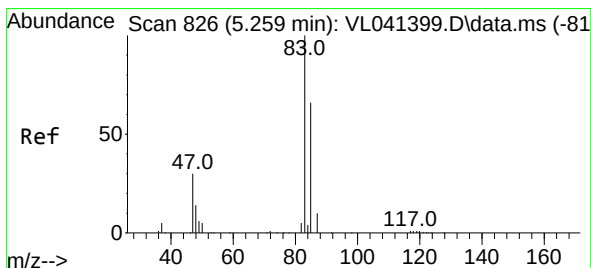
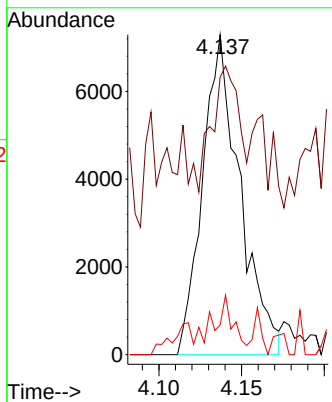
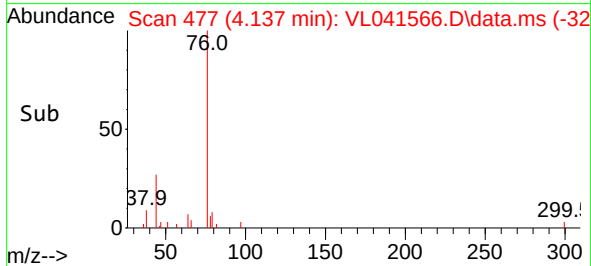
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 76 Resp: 1143
Ion Ratio Lower Upper
76 100
44 40.8 15.6 23.4
78 21.4 7.7 11.5

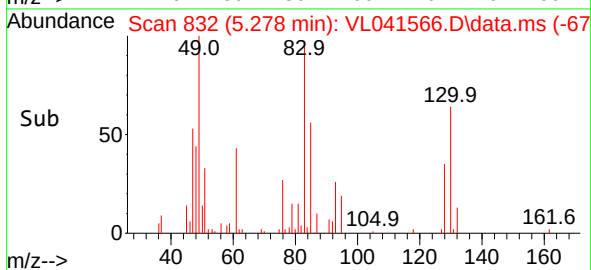
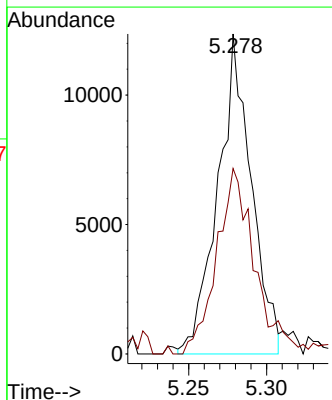
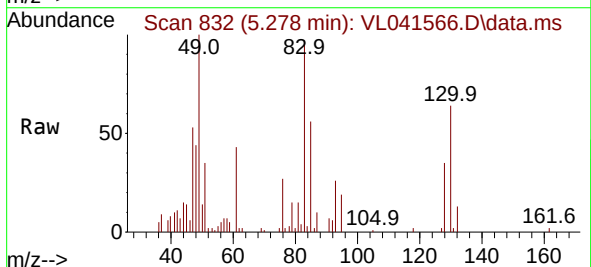
Manual Integrations
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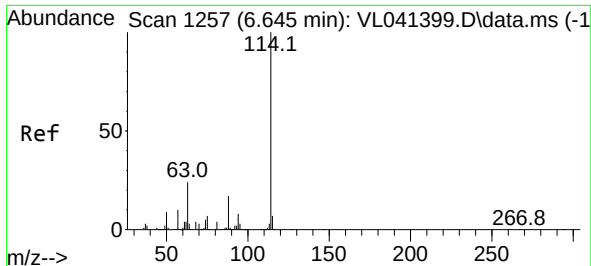
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#29
Chloroform
Concen: 0.120 ppbv
RT: 5.278 min Scan# 832
Delta R.T. -0.000 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

Tgt Ion: 83 Resp: 18461
Ion Ratio Lower Upper
83 100
85 58.8 53.1 79.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.651 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL041566.D

Acq: 21 Aug 2024 13:50

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:114 Resp: 2700438

Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

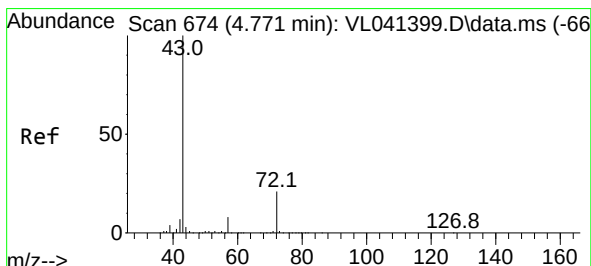
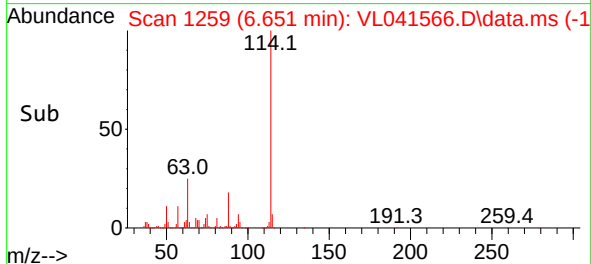
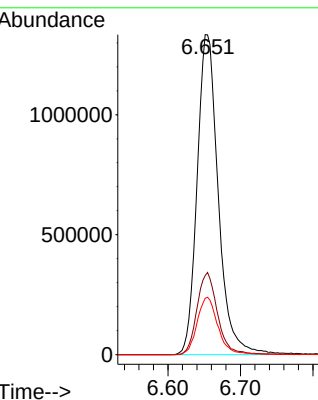
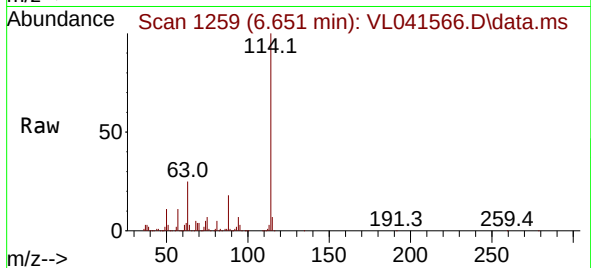
88 17.8 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/23/2024

Supervised By :Mahesh Dadoda 08/23/2024



#34

2-Butanone

Concen: 1.473 ppbv

RT: 4.799 min Scan# 683

Delta R.T. 0.006 min

Lab File: VL041566.D

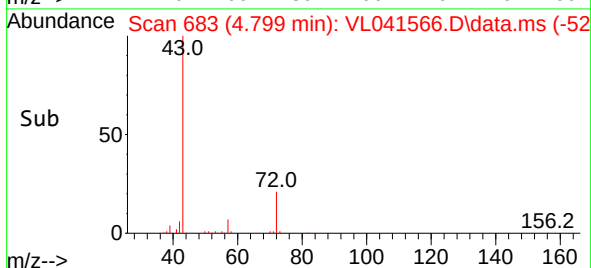
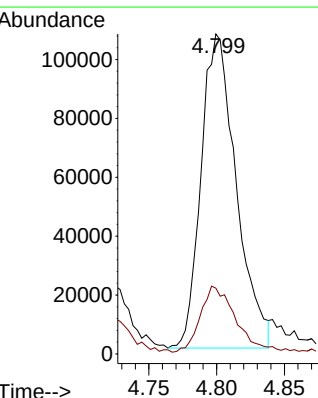
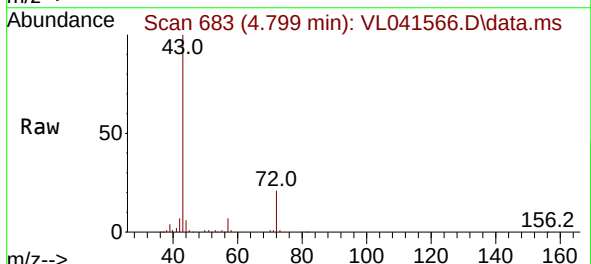
Acq: 21 Aug 2024 13:50

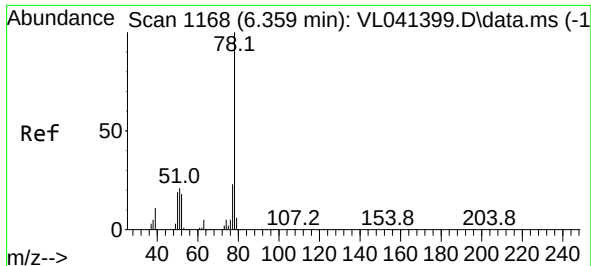
Tgt Ion: 43 Resp: 192362

Ion Ratio Lower Upper

43 100

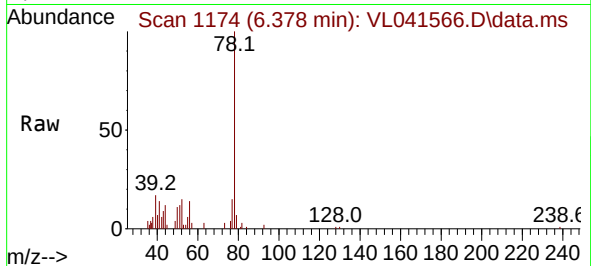
72 24.4 17.3 25.9





#36
Benzene
Concen: 0.132 ppbv m
RT: 6.378 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

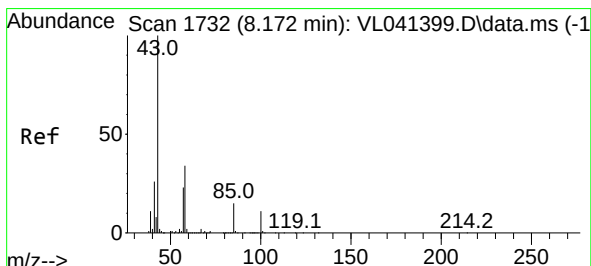
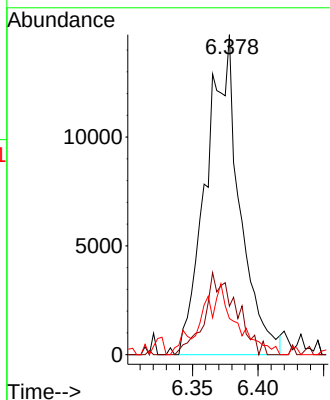
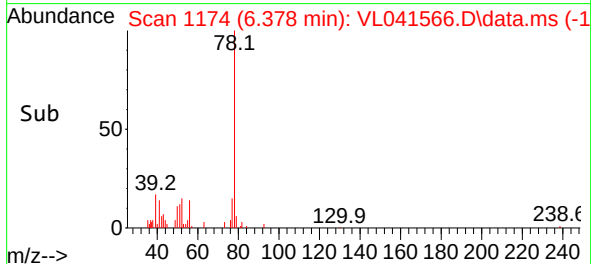
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 78 Resp: 26100
Ion Ratio Lower Upper
78 100
77 15.1 18.1 27.1
50 11.3 15.5 23.3

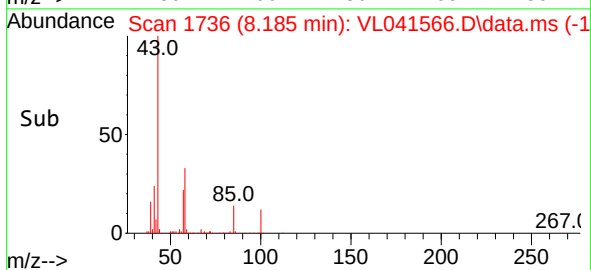
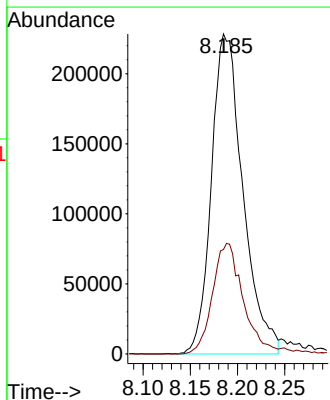
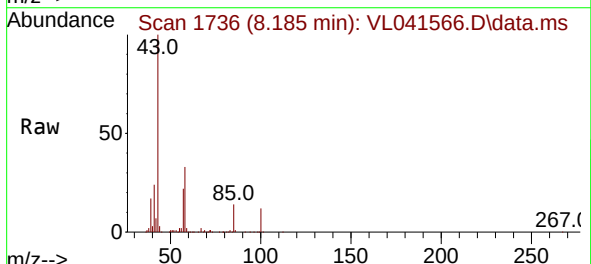
Manual Integrations
APPROVED

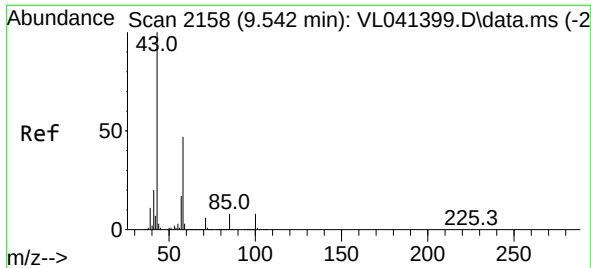
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#50
4-Methyl-2-Pentanone
Concen: 2.569 ppbv
RT: 8.185 min Scan# 1736
Delta R.T. 0.003 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

Tgt Ion: 43 Resp: 529421
Ion Ratio Lower Upper
43 100
58 34.5 27.9 41.9





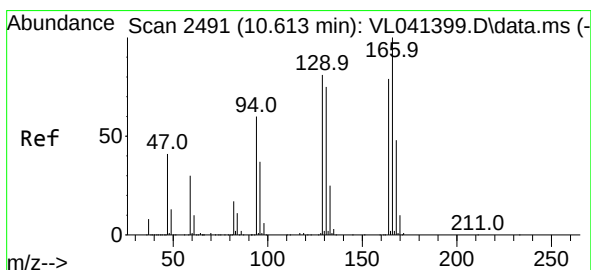
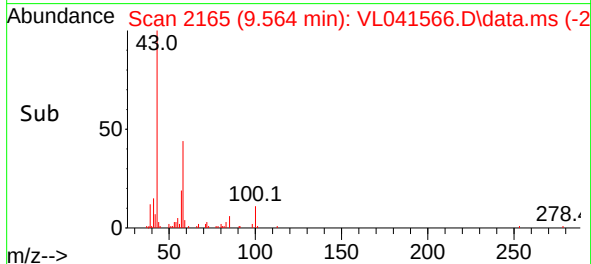
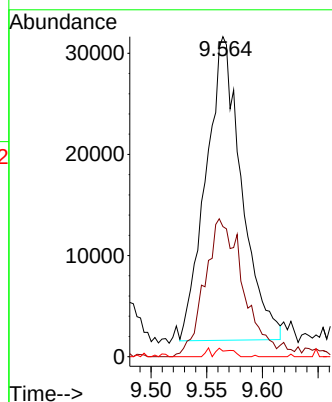
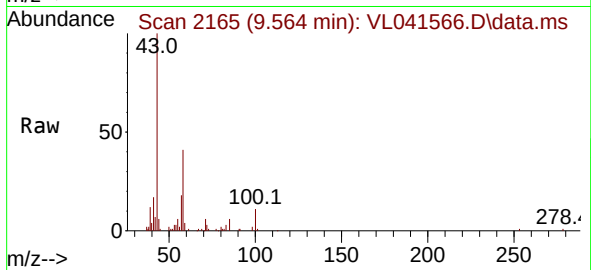
#51
2-Hexanone
Concen: 0.429 ppbv
RT: 9.564 min Scan# 2158
Delta R.T. 0.013 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 6686
Ion Ratio Lower Upper
43 100
58 50.3 38.2 57.2
98 1.5 0.3 0.5

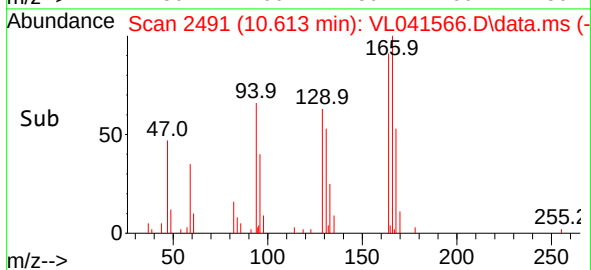
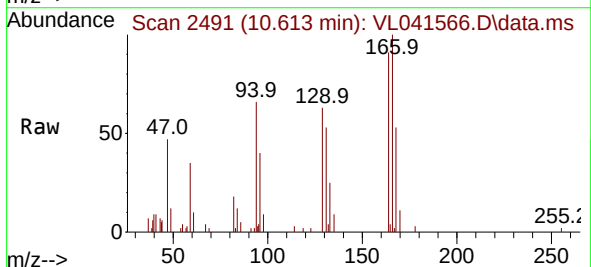
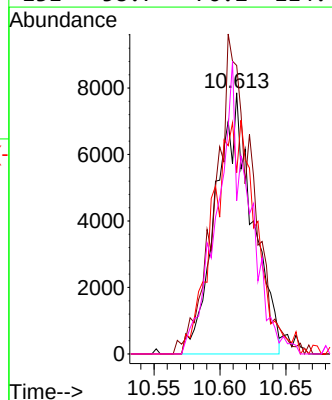
Manual Integrations
APPROVED

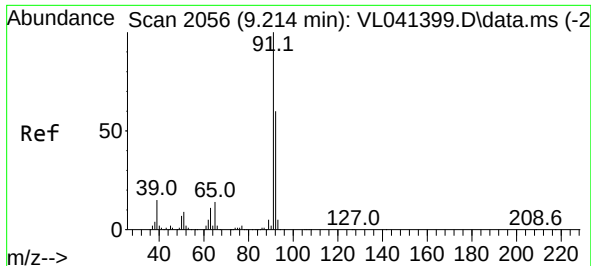
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#52
Tetrachloroethene
Concen: 0.201 ppbv m
RT: 10.613 min Scan# 2491
Delta R.T. -0.003 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

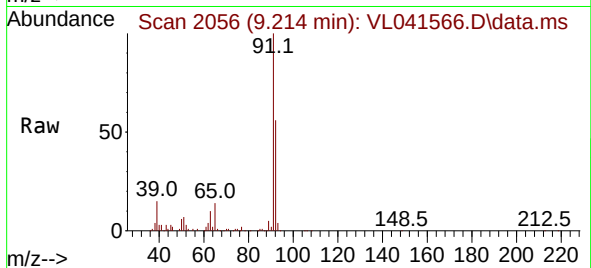
Tgt Ion:164 Resp: 15329
Ion Ratio Lower Upper
164 100
166 110.5 101.1 151.7
129 69.4 81.7 122.5#
131 58.7 76.2 114.4#





#53
Toluene
Concen: 1.242 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. -0.007 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

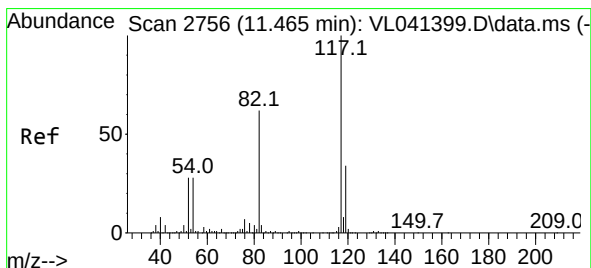
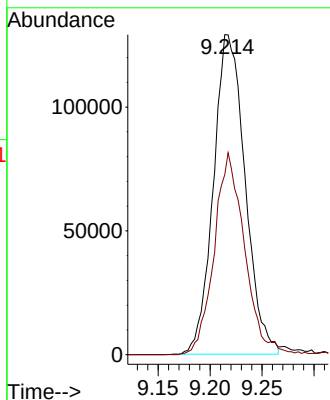
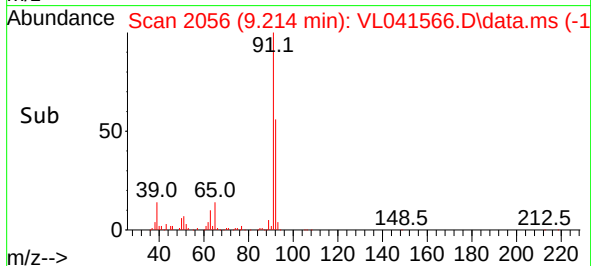
Instrument : MSVOA_L
ClientSampleId : SV1



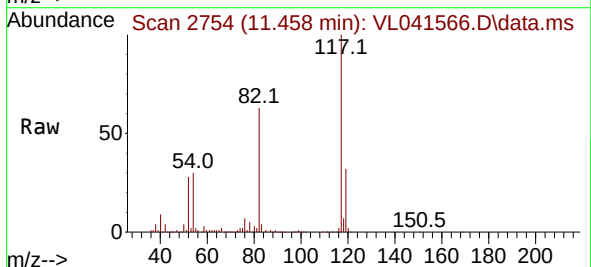
Tgt Ion: 91 Resp: 273040
Ion Ratio Lower Upper
91 100
92 61.0 48.7 73.1

Manual Integrations
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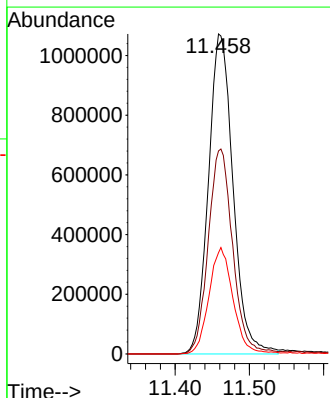
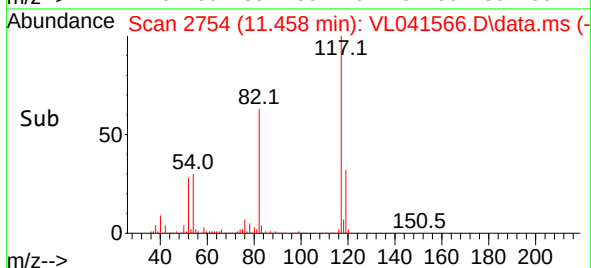
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024

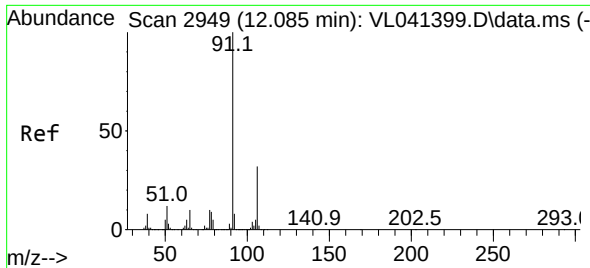


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.007 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50



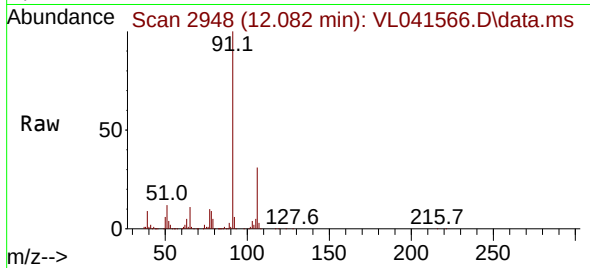
Tgt Ion:117 Resp: 2470965
Ion Ratio Lower Upper
117 100
82 64.0 51.0 76.6
119 32.9 45.2 67.8#





#58
Ethyl Benzene
Concen: 2.219 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. -0.007 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

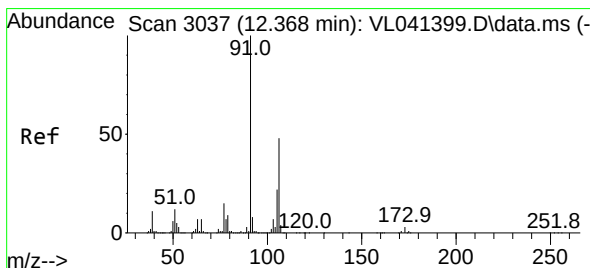
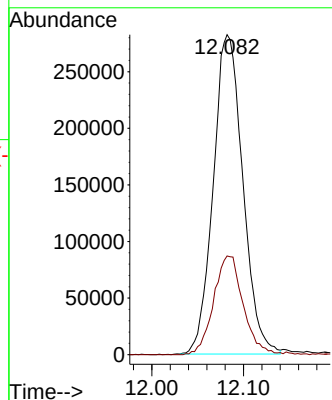
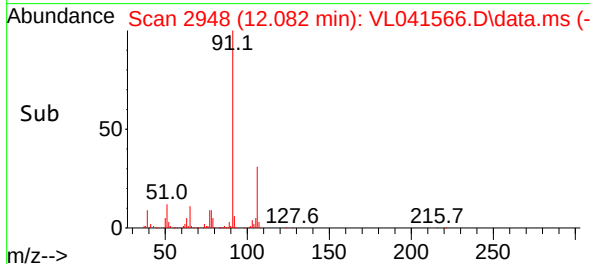
Instrument : MSVOA_L
ClientSampleId : SV1



Tgt Ion: 91 Resp: 632080
Ion Ratio Lower Upper
91 100
106 30.9 25.8 38.8

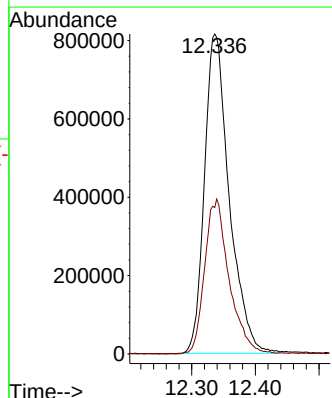
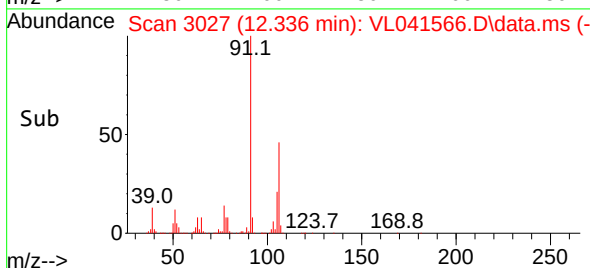
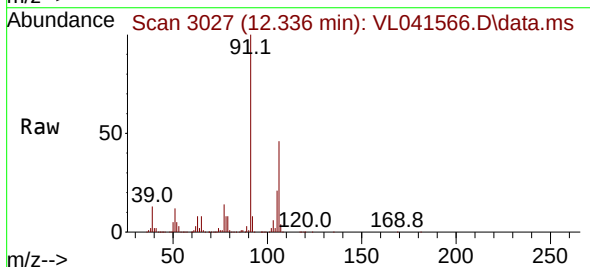
Manual Integrations
APPROVED

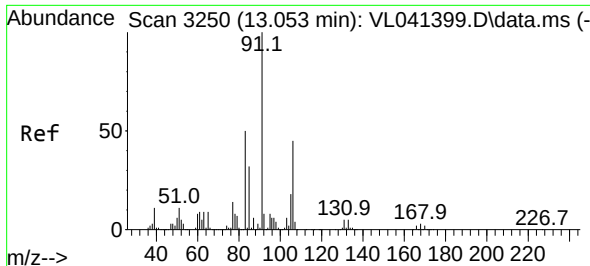
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#59
m/p-Xylene
Concen: 8.966 ppbv
RT: 12.336 min Scan# 3027
Delta R.T. -0.035 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

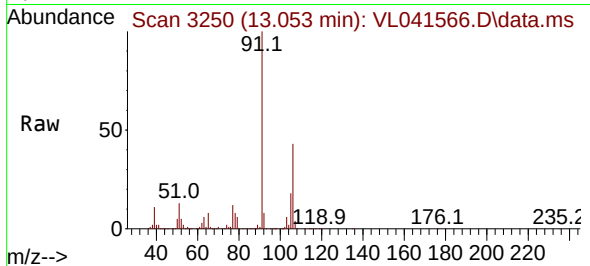
Tgt Ion: 91 Resp: 2204442
Ion Ratio Lower Upper
91 100
106 48.3 36.3 54.5





#60
o-Xylene
Concen: 4.037 ppbv
RT: 13.053 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

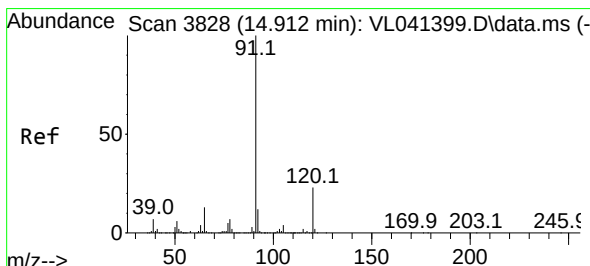
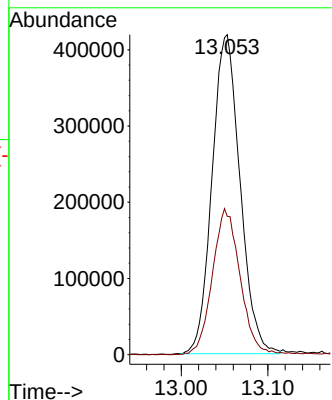
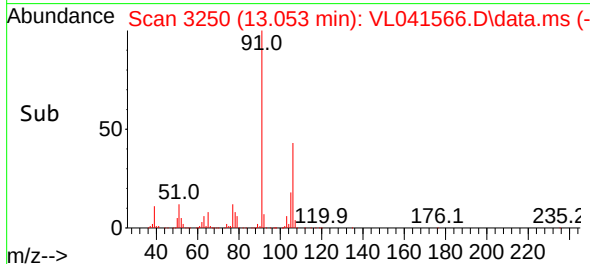
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 939015
Ion Ratio Lower Upper
91 100
106 46.1 23.1 69.3

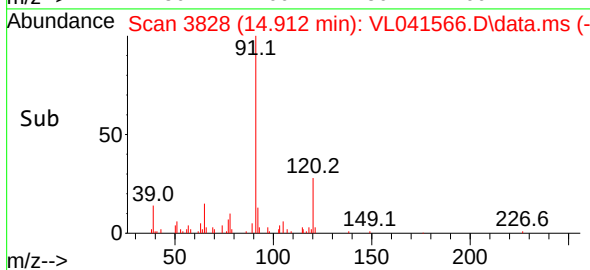
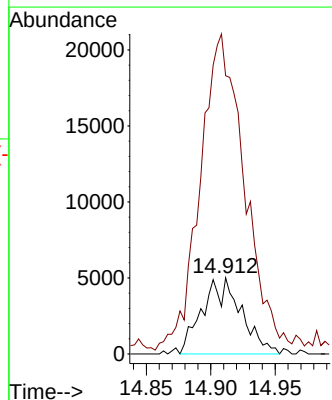
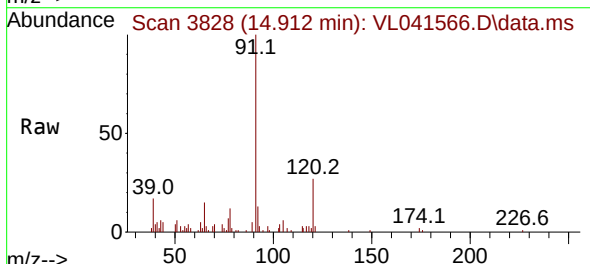
Manual Integrations
APPROVED

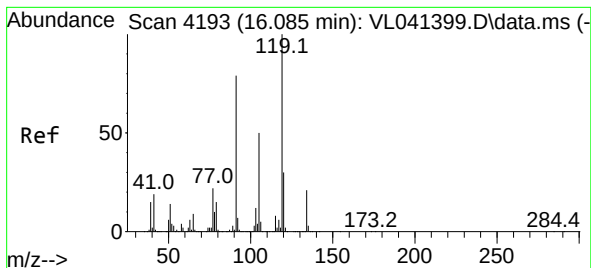
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#64
n-propylbenzene
Concen: 0.114 ppbv m
RT: 14.912 min Scan# 3828
Delta R.T. -0.003 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

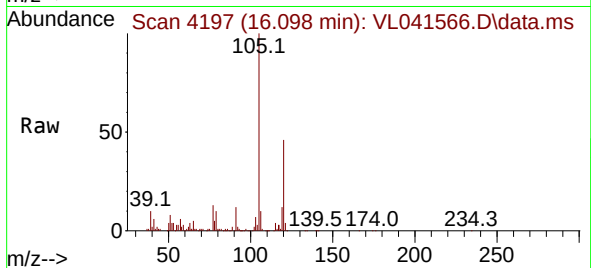
Tgt Ion:120 Resp: 10514
Ion Ratio Lower Upper
120 100
91 493.0 361.4 542.0





#65
tert-Butylbenzene
Concen: 0.110 ppbv
RT: 16.098 min Scan# 4193
Delta R.T. 0.010 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

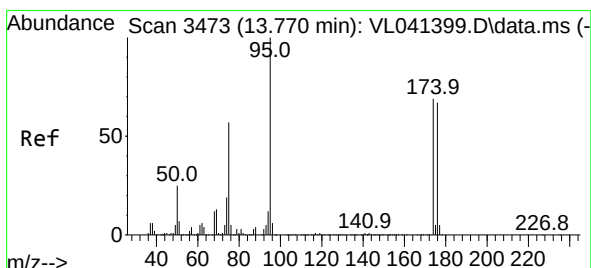
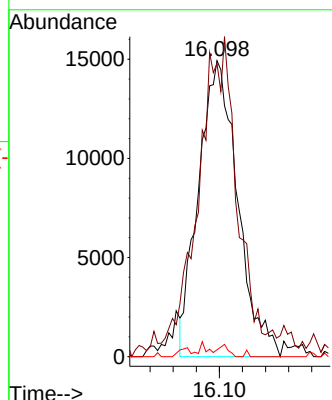
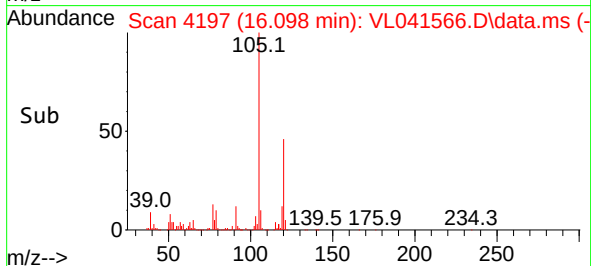
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 119 Resp: 35062
Ion Ratio Lower Upper
119 100
91 117.8 64.2 96.2
134 2.1 15.7 23.5

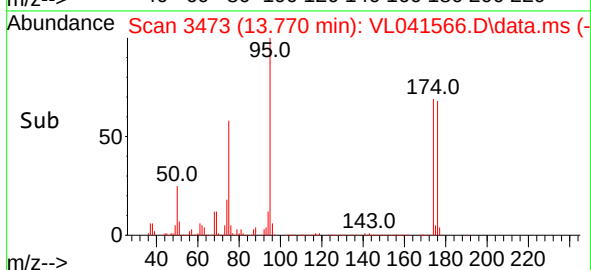
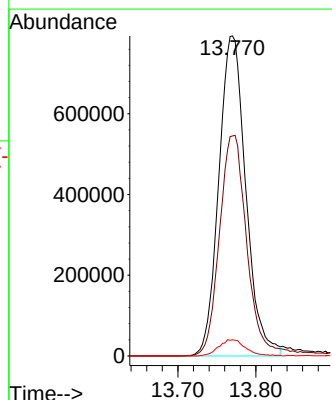
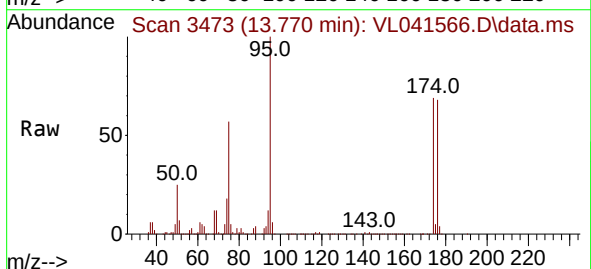
Manual Integrations
APPROVED

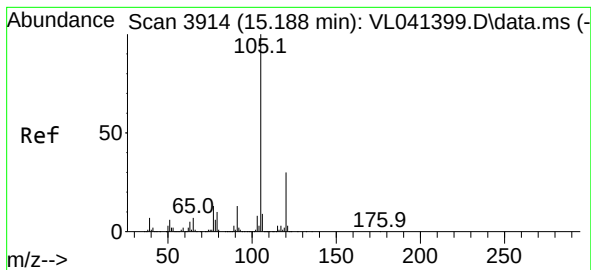
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.053 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. -0.003 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

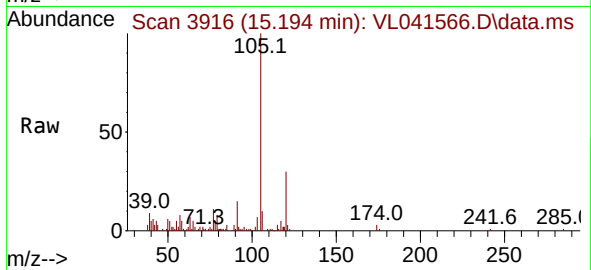
Tgt Ion: 95 Resp: 1911550
Ion Ratio Lower Upper
95 100
174 72.1 56.3 84.5
175 5.1 4.0 6.0





#72
4-Ethyltoluene
Concen: 0.277 ppbv m
RT: 15.194 min Scan# 3916
Delta R.T. 0.006 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50

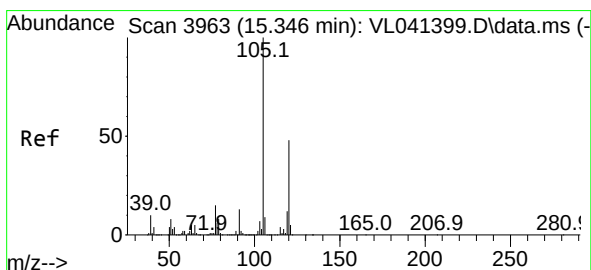
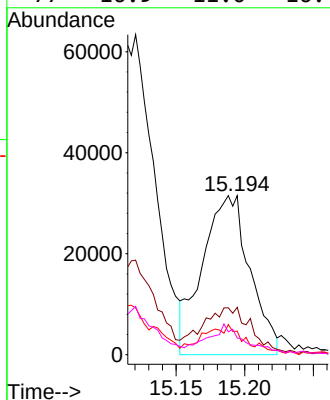
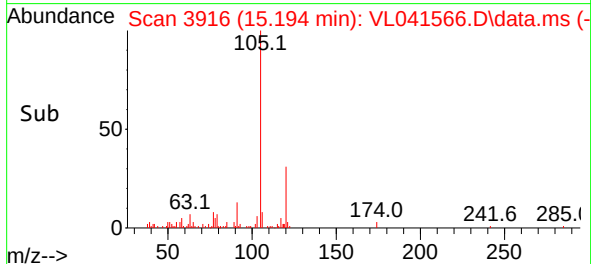
Instrument :
MSVOA_L
ClientSampleId :
SV1



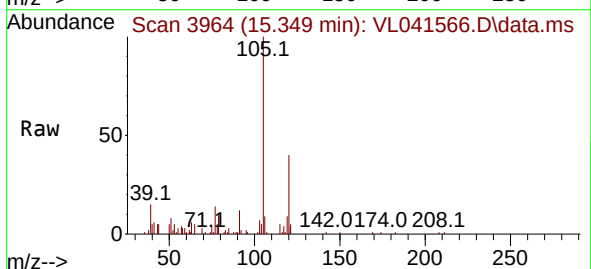
Tgt Ion:105 Resp: 75910
Ion Ratio Lower Upper
105 100
120 0.0 24.2 36.2
91 17.6 10.4 15.6
77 16.9 11.0 16.4

Manual Integrations
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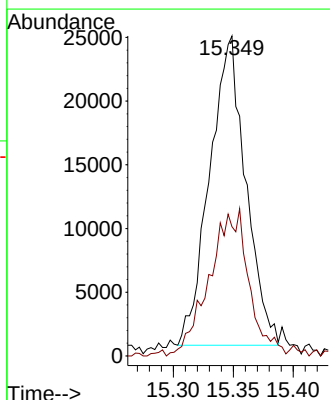
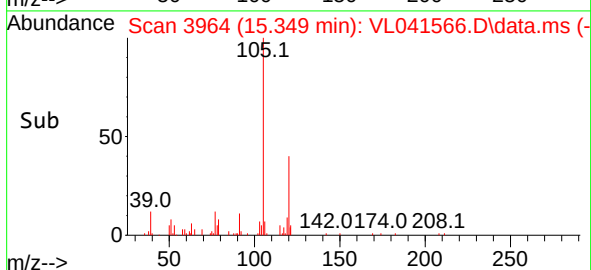
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024

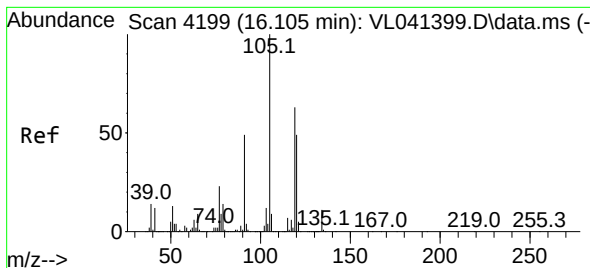


#73
1,3,5-Trimethylbenzene
Concen: 0.215 ppbv
RT: 15.349 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VL041566.D
Acq: 21 Aug 2024 13:50



Tgt Ion:105 Resp: 50786
Ion Ratio Lower Upper
105 100
120 44.2 38.6 57.8





#74

1,2,4-Trimethylbenzene

Concen: 1.038 ppbv

RT: 16.095 min Scan# 4199

Delta R.T. -0.013 min

Lab File: VL041566.D

Acq: 21 Aug 2024 13:50

Instrument :

MSVOA_L

ClientSampleId :

SV1

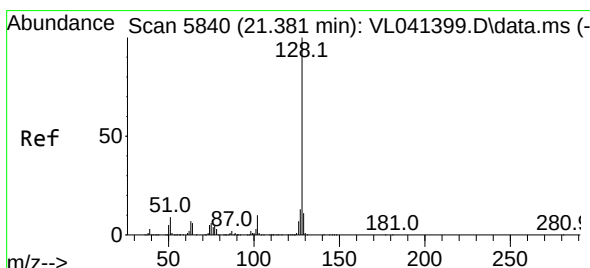
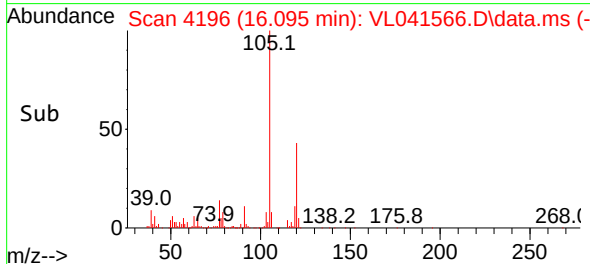
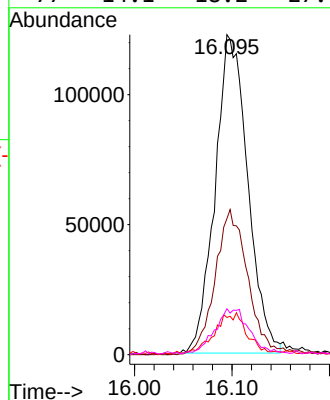
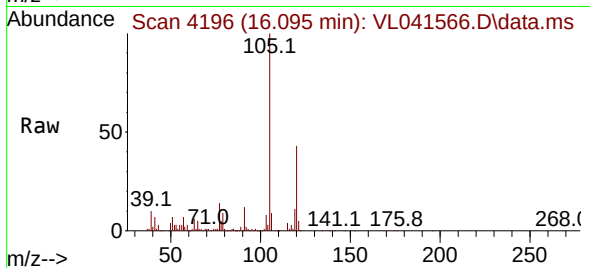
Tgt Ion:	105	Resp:	28479
Ion Ratio	Lower	Upper	
105	100		
120	42.5	39.5	59.3
91	11.2	39.8	59.8
77	14.1	18.2	27.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/23/2024

Supervised By :Mahesh Dadoda 08/23/2024



#79

Naphthalene

Concen: 0.032 ppbv

RT: 21.368 min Scan# 5836

Delta R.T. -0.016 min

Lab File: VL041566.D

Acq: 21 Aug 2024 13:50

Tgt Ion:	128	Resp:	7860
Ion Ratio	Lower	Upper	
128	100		
127	4.4	10.3	15.5
129	7.6	9.0	13.4

