

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041617.D
 Acq On : 18 Sep 2024 22:03
 Operator : SY/MD
 Sample : P4028-03DUP 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2024
 Supervised By :Mahesh Dadoda 09/19/2024

Quant Time: Sep 19 03:40:44 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1033061	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.655	114	2802213	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.465	117	2546741	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1937633	10.335	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%
Target Compounds						Qvalue
9) Propene	2.722	41	13888	0.263	ppbv	95
13) Ethanol	3.272	45	13716m	3.452	ppbv	
15) Acetone	3.488	43	253249	1.953	ppbv	92
19) Isopropyl Alcohol	3.600	45	53918m	0.812	ppbv	
20) Methylene Chloride	3.947	84	60168	1.235	ppbv	98
26) Hexane	5.221	57	53601	0.552	ppbv #	30
27) Carbon Disulfide	4.137	76	12592m	0.122	ppbv	
29) Chloroform	5.278	83	31848	0.200	ppbv	97
34) 2-Butanone	4.806	43	84403	0.632	ppbv	93
51) 2-Hexanone	9.568	43	24787m	0.159	ppbv	
52) Tetrachloroethene	10.616	164	6700m	0.095	ppbv	
53) Toluene	9.224	91	51653	0.250	ppbv	98
59) m/p-Xylene	12.333	91	32492m	0.134	ppbv	
60) o-Xylene	13.053	91	22882m	0.098	ppbv	
74) 1,2,4-Trimethylbenzene	16.108	105	62400m	0.222	ppbv	

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

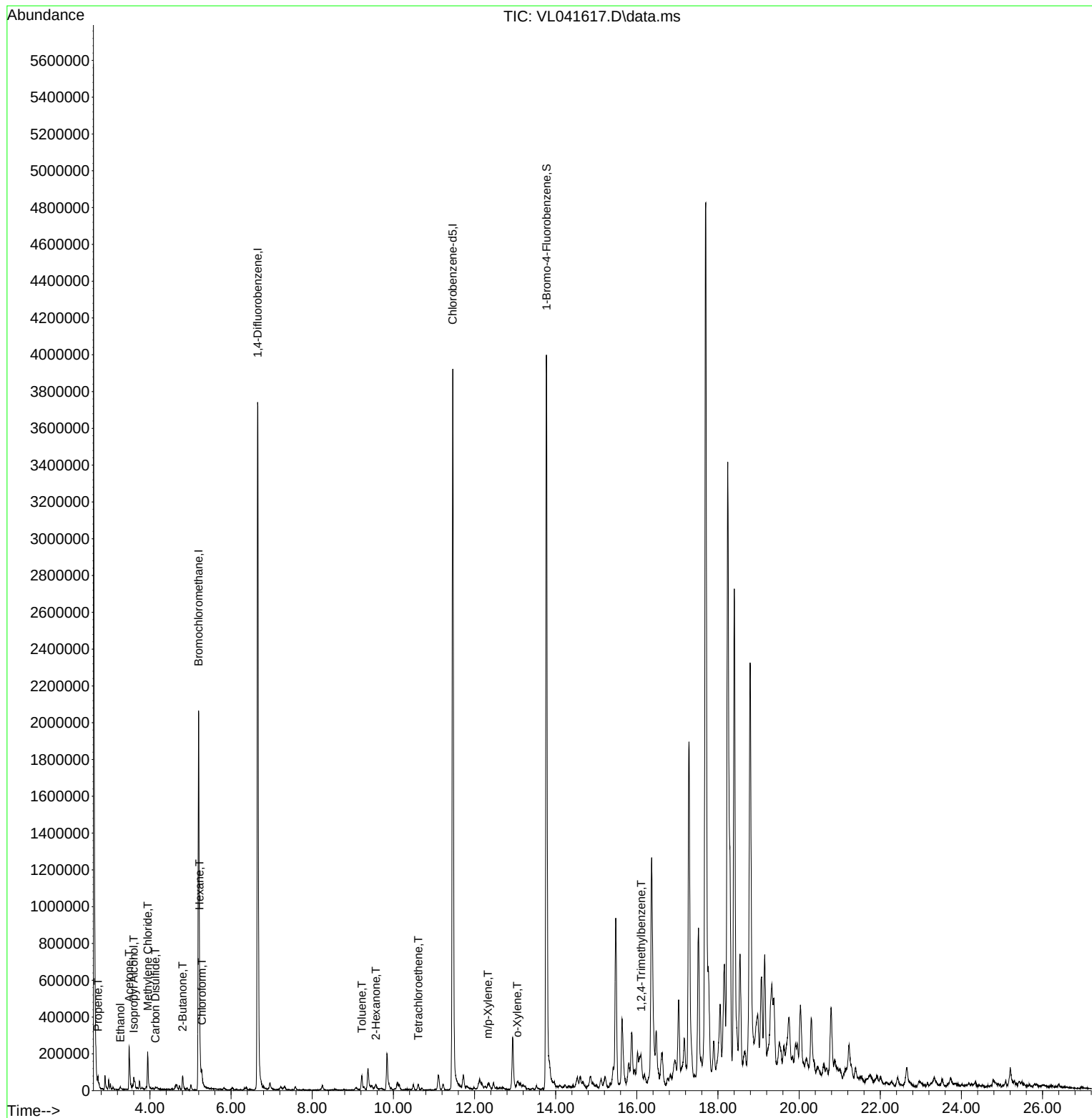
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
Data File : VL041617.D
Acq On : 18 Sep 2024 22:03
Operator : SY/MD
Sample : P4028-03DUP 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

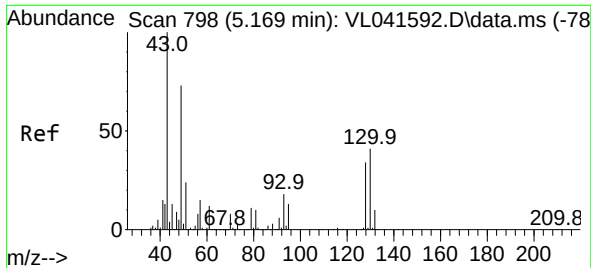
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

Quant Time: Sep 19 03:40:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 17 09:12:21 2024
Response via : Initial Calibration

Manual Integrations
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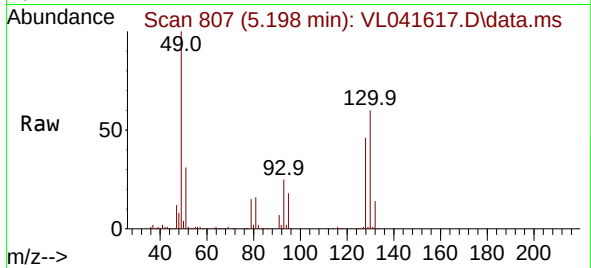
Reviewed By : Semsettin Yesilyurt 09/19/2024
Supervised By : Mahesh Dadoda 09/19/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.029 min
Lab File: VL041617.D
Acq: 18 Sep 2024 22:03

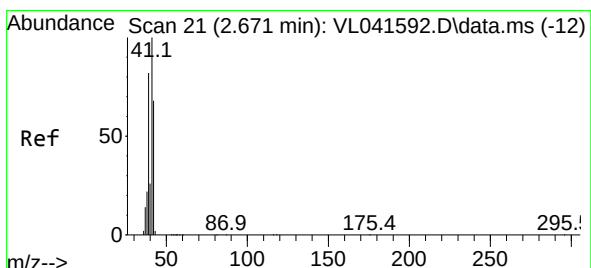
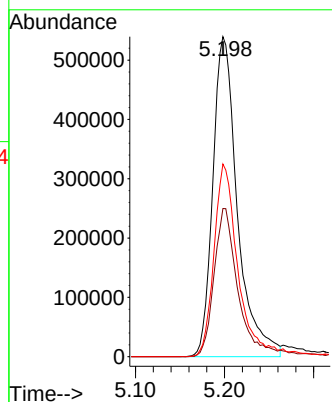
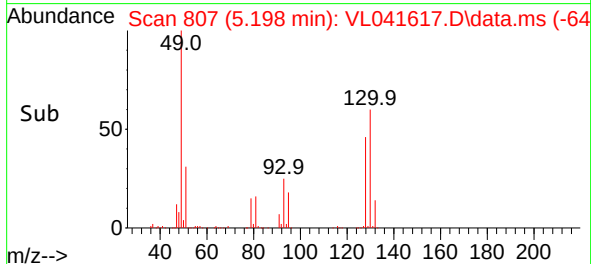
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP



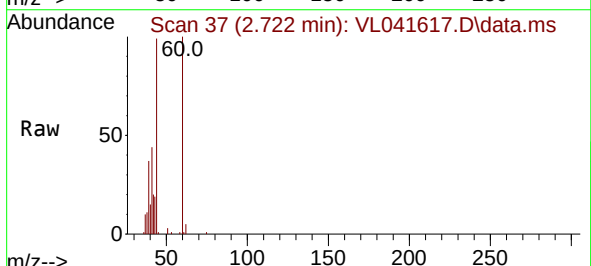
Tgt Ion: 49 Resp: 103306
Ion Ratio Lower Upper
49 100
128 46.8 23.8 71.5
130 60.6 30.4 91.3

Manual Integrations
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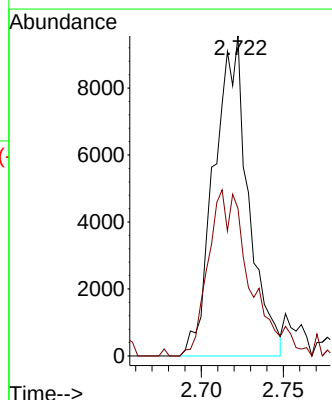
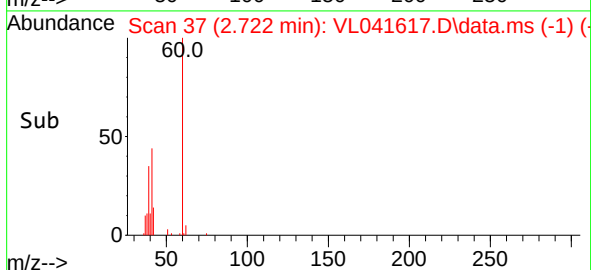
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024

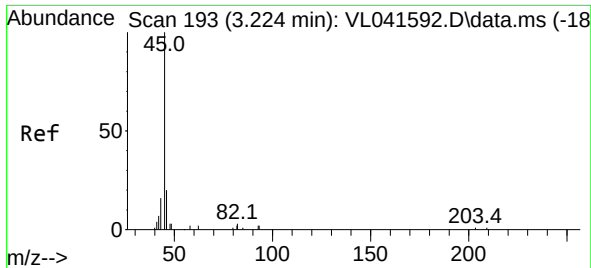


#9
Propene
Concen: 0.263 ppbv
RT: 2.722 min Scan# 37
Delta R.T. 0.051 min
Lab File: VL041617.D
Acq: 18 Sep 2024 22:03



Tgt Ion: 41 Resp: 13888
Ion Ratio Lower Upper
41 100
42 64.9 55.2 82.8





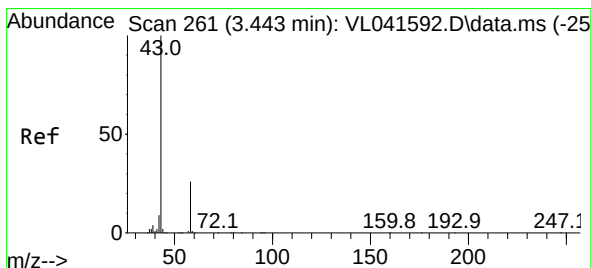
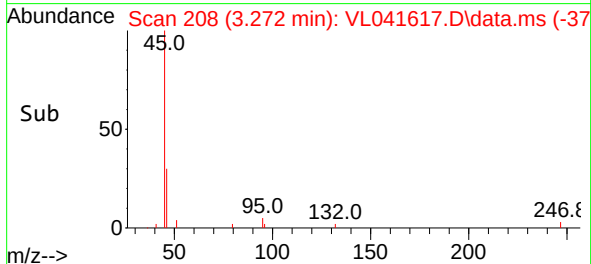
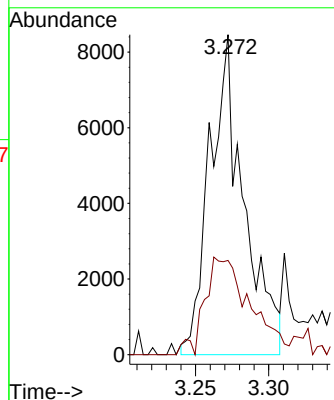
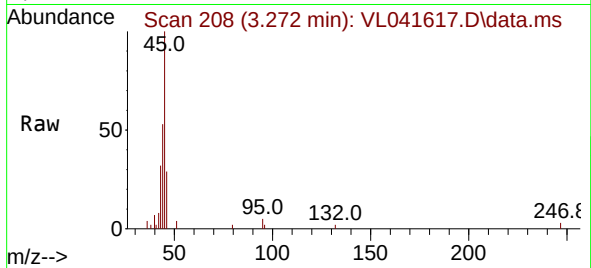
#13
Ethanol
Concen: 3.452 ppbv m
RT: 3.272 min Scan# 208
Delta R.T. 0.048 min
Lab File: VL041617.D
Acq: 18 Sep 2024 22:03

Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

Tgt Ion: 45 Resp: 13710
Ion Ratio Lower Upper
45 100
46 44.6 15.2 60.8

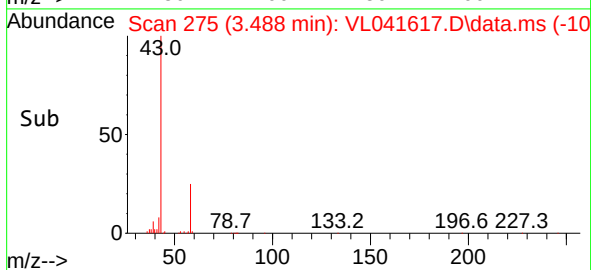
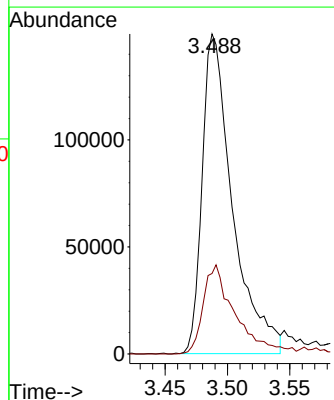
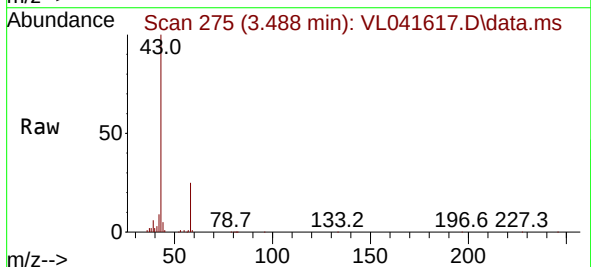
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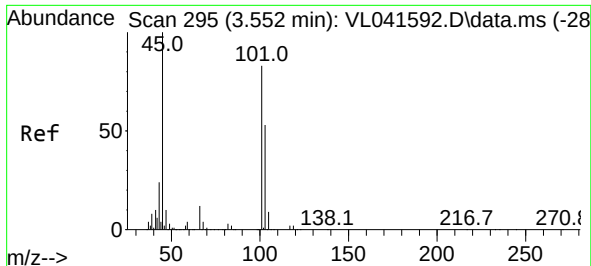
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#15
Acetone
Concen: 1.953 ppbv
RT: 3.488 min Scan# 275
Delta R.T. 0.045 min
Lab File: VL041617.D
Acq: 18 Sep 2024 22:03

Tgt Ion: 43 Resp: 253249
Ion Ratio Lower Upper
43 100
58 31.2 21.5 32.3





#19

Isopropyl Alcohol

Concen: 0.812 ppbv m

RT: 3.600 min Scan# 310

Delta R.T. 0.048 min

Lab File: VL041617.D

Acq: 18 Sep 2024 22:03

Instrument :

MSVOA_L

ClientSampleId :

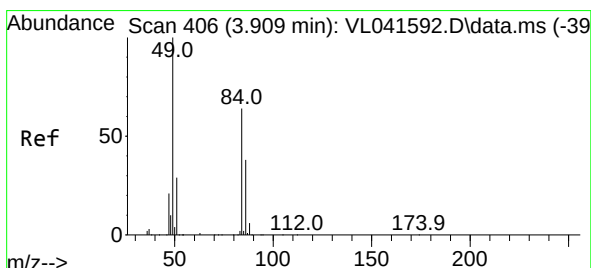
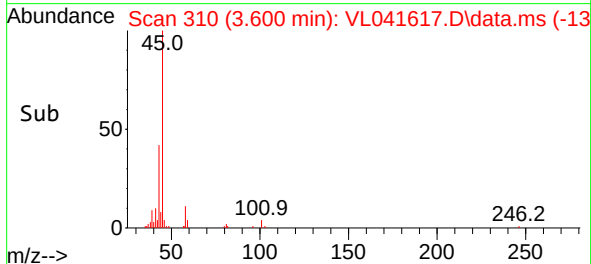
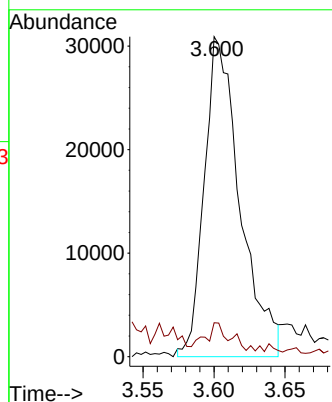
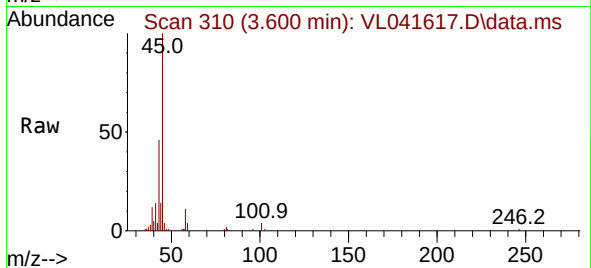
SV2DUP

Tgt Ion: 45 Resp: 53918
 Ion Ratio Lower Upper
 45 100
 58 0.0 2.1 3.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/19/2024
 Supervised By :Mahesh Dadoda 09/19/2024



#20

Methylene Chloride

Concen: 1.235 ppbv

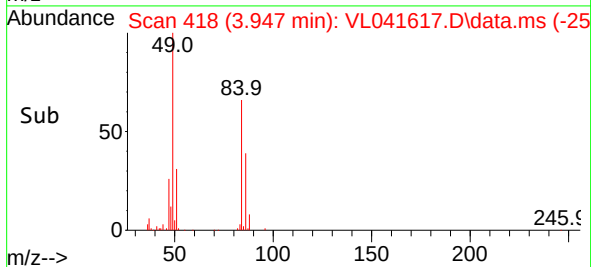
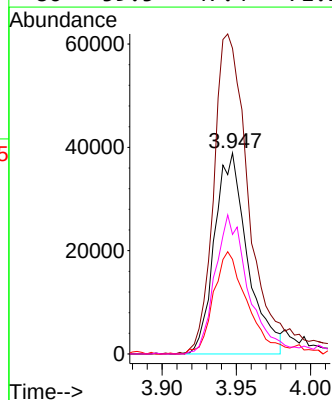
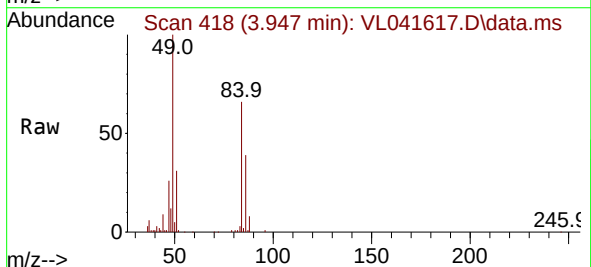
RT: 3.947 min Scan# 418

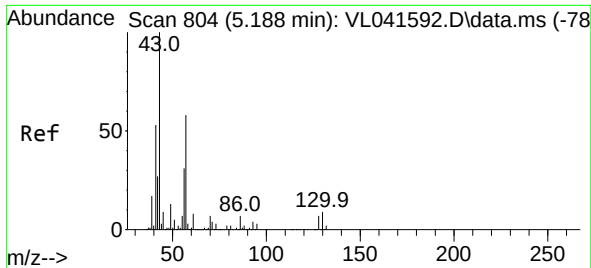
Delta R.T. 0.039 min

Lab File: VL041617.D

Acq: 18 Sep 2024 22:03

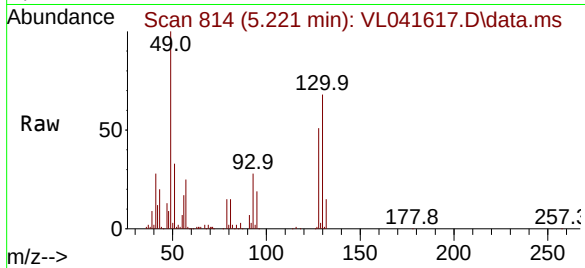
Tgt Ion: 84 Resp: 60168
 Ion Ratio Lower Upper
 84 100
 49 151.3 124.3 186.5
 51 47.0 36.3 54.5
 86 59.5 47.4 71.2





#26
Hexane
Concen: 0.552 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.032 min
Lab File: VL041617.D
Acq: 18 Sep 2024 22:03

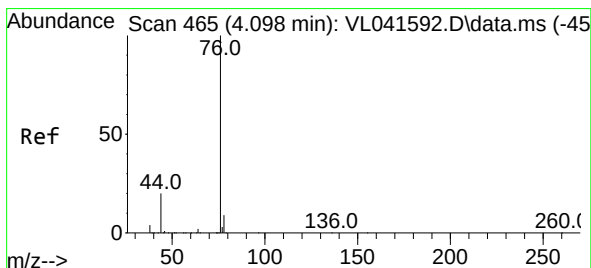
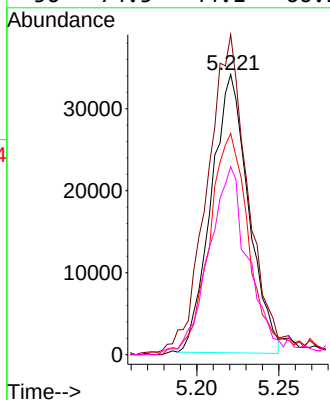
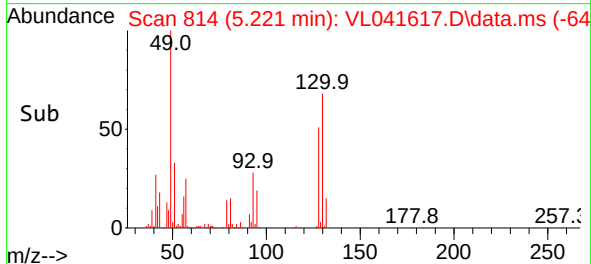
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP



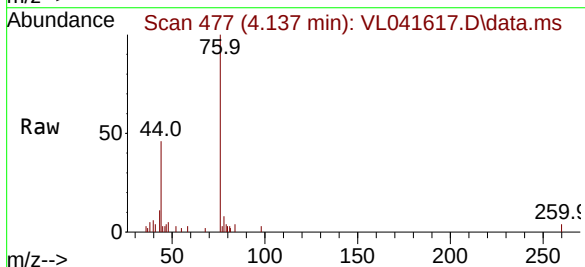
Tgt Ion: 57 Resp: 5360
Ion Ratio Lower Upper
57 100
41 132.8 75.7 113.5
43 90.6 198.5 297.7
56 74.5 44.1 66.1

Manual Integrations
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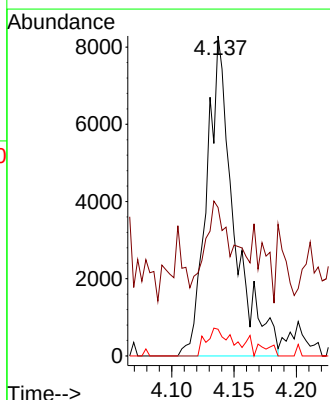
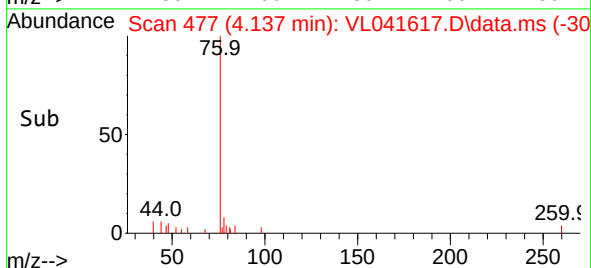
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024

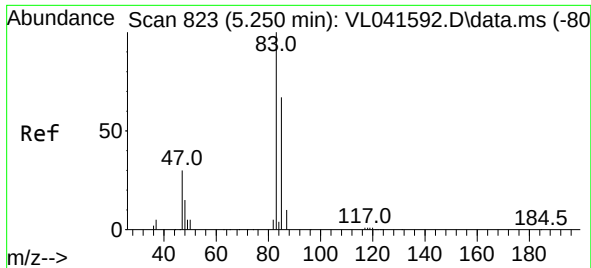


#27
Carbon Disulfide
Concen: 0.122 ppbv m
RT: 4.137 min Scan# 477
Delta R.T. 0.039 min
Lab File: VL041617.D
Acq: 18 Sep 2024 22:03



Tgt Ion: 76 Resp: 12592
Ion Ratio Lower Upper
76 100
44 35.5 15.8 23.8
78 11.0 7.5 11.3





#29

Chloroform

Concen: 0.200 ppbv

RT: 5.278 min Scan# 81

Delta R.T. 0.029 min

Lab File: VL041617.D

Acq: 18 Sep 2024 22:03

Instrument :

MSVOA_L

ClientSampleId :

SV2DUP

Tgt Ion: 83 Resp: 3184

Ion Ratio Lower Upper

83 100

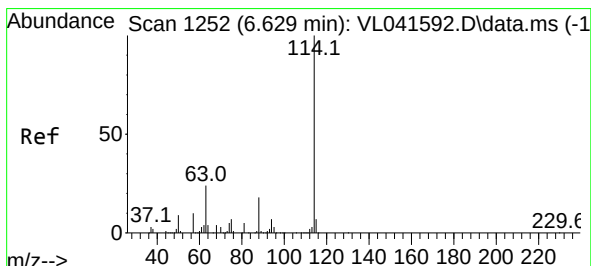
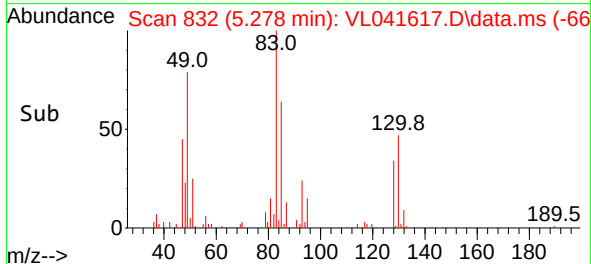
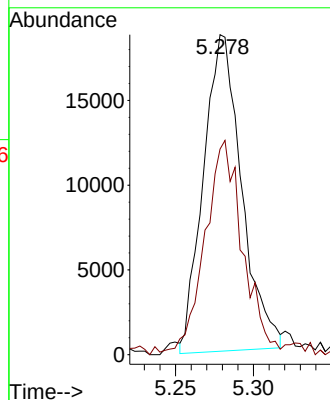
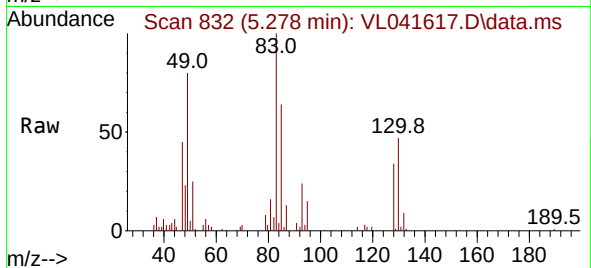
85 64.9 53.8 80.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2024

Supervised By :Mahesh Dadoda 09/19/2024



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1260

Delta R.T. 0.026 min

Lab File: VL041617.D

Acq: 18 Sep 2024 22:03

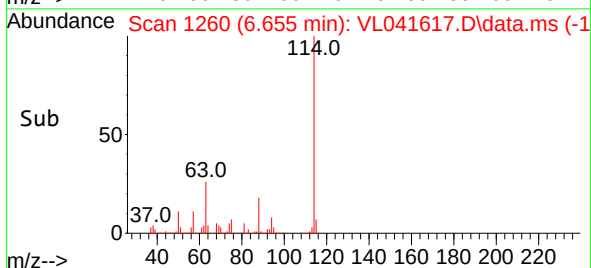
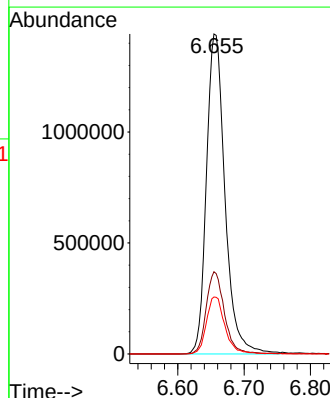
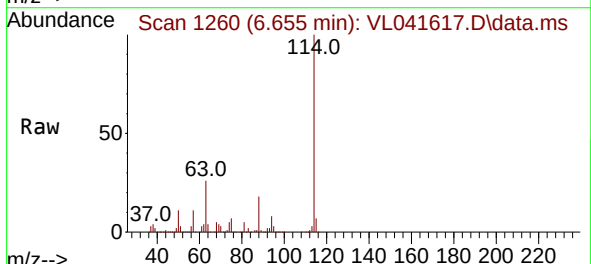
Tgt Ion:114 Resp: 2802213

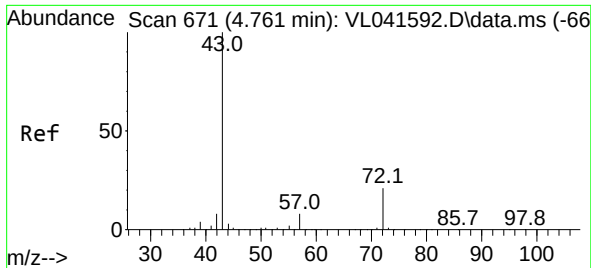
Ion Ratio Lower Upper

114 100

63 25.4 20.2 30.2

88 17.9 14.2 21.4





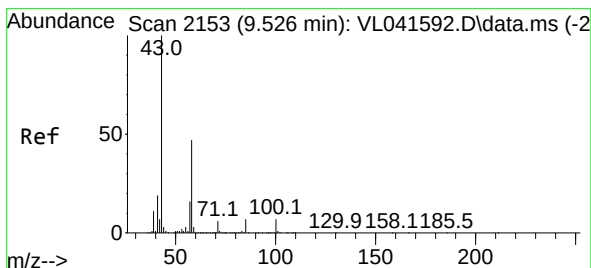
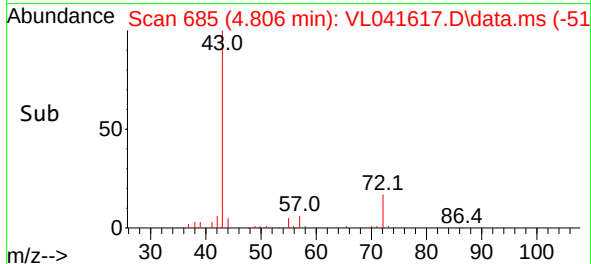
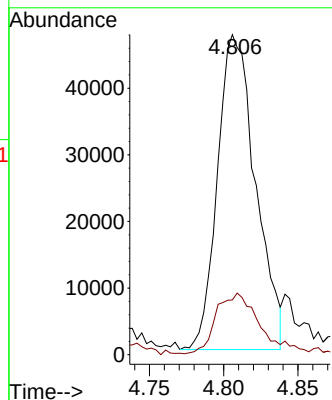
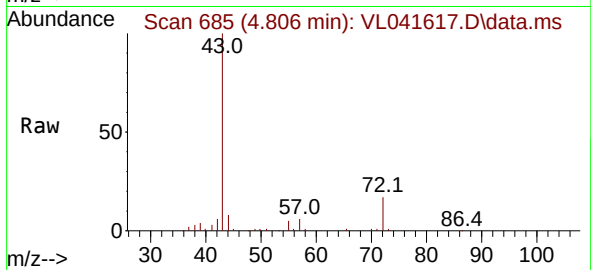
#34
2-Butanone
Concen: 0.632 ppbv
RT: 4.806 min Scan# 61
Delta R.T. 0.045 min
Lab File: VL041617.D
Acq: 18 Sep 2024 22:03

Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

Tgt Ion: 43 Resp: 8440
Ion Ratio Lower Upper
43 100
72 24.3 16.8 25.2

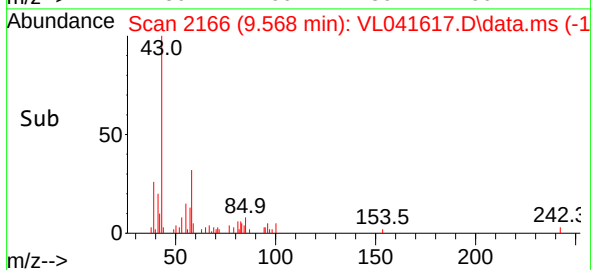
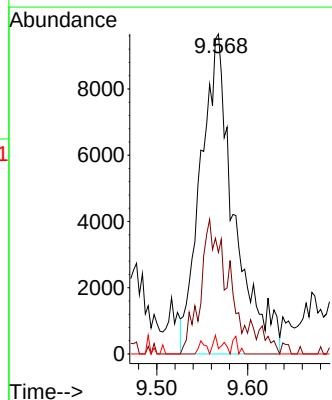
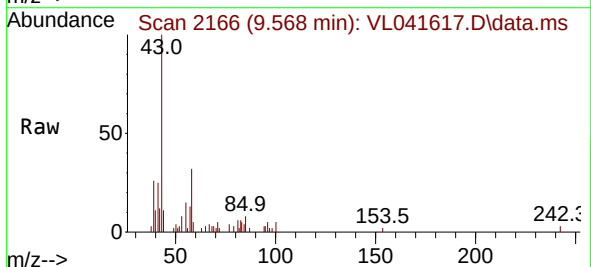
Manual Integrations
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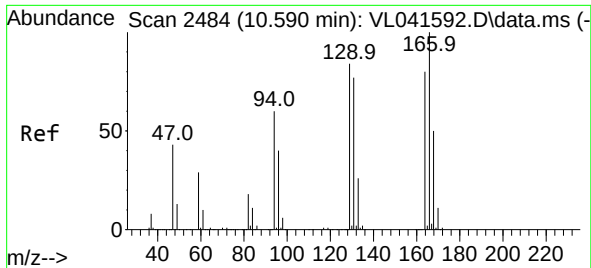
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#51
2-Hexanone
Concen: 0.159 ppbv m
RT: 9.568 min Scan# 2166
Delta R.T. 0.042 min
Lab File: VL041617.D
Acq: 18 Sep 2024 22:03

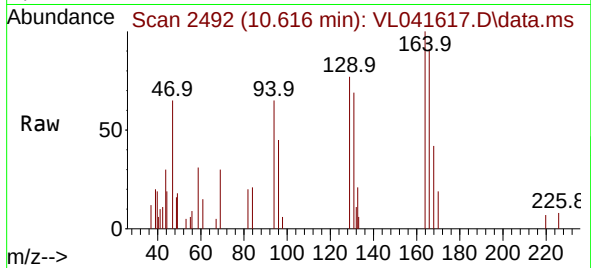
Tgt Ion: 43 Resp: 24787
Ion Ratio Lower Upper
43 100
58 39.3 37.2 55.8
98 3.0 0.5 0.7#





#52
Tetrachloroethene
Concen: 0.095 ppbv m
RT: 10.616 min Scan# 2484
Delta R.T. 0.026 min
Lab File: VL041617.D
Acq: 18 Sep 2024 22:03

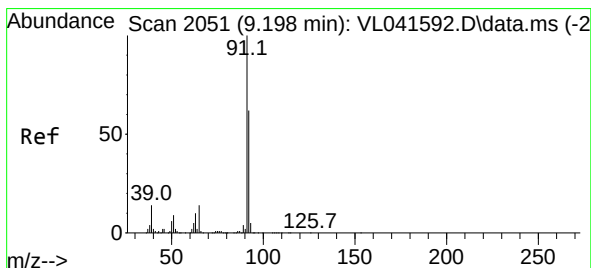
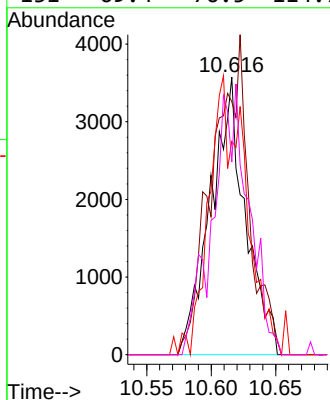
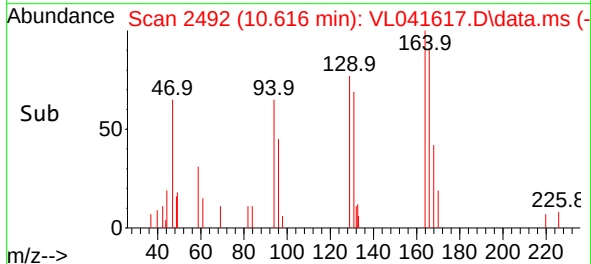
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP



Tgt Ion:164 Resp: 6700
Ion Ratio Lower Upper
164 100
166 91.1 99.4 149.2
129 76.9 83.5 125.3
131 69.4 76.5 114.7

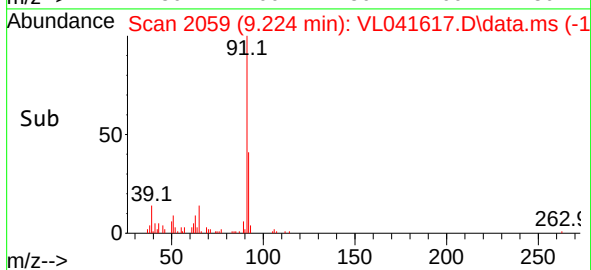
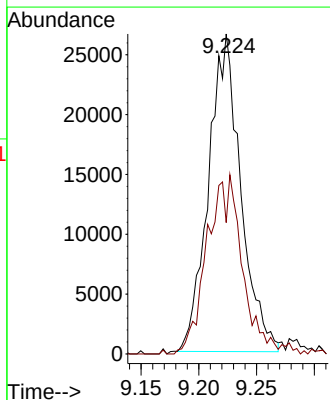
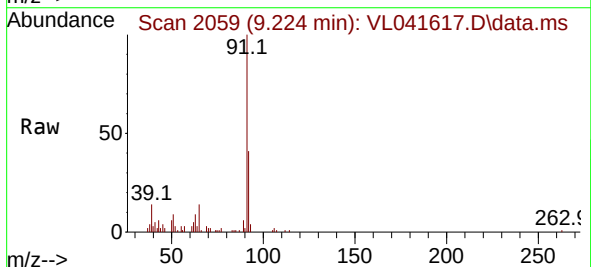
Manual Integrations
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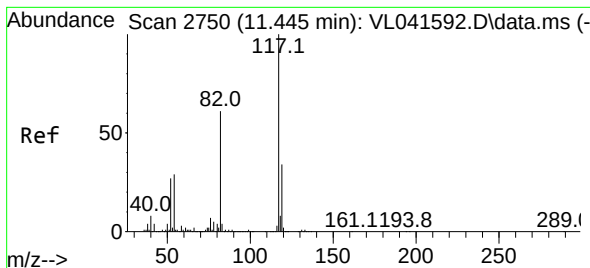
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#53
Toluene
Concen: 0.250 ppbv
RT: 9.224 min Scan# 2059
Delta R.T. 0.026 min
Lab File: VL041617.D
Acq: 18 Sep 2024 22:03

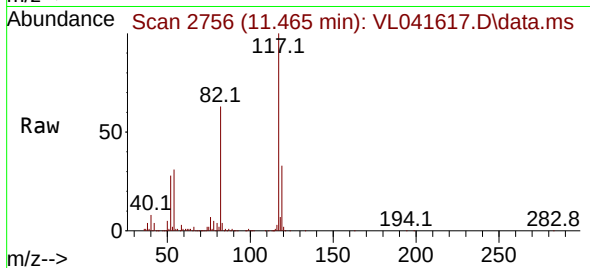
Tgt Ion: 91 Resp: 51653
Ion Ratio Lower Upper
91 100
92 62.8 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041617.D
Acq: 18 Sep 2024 22:03

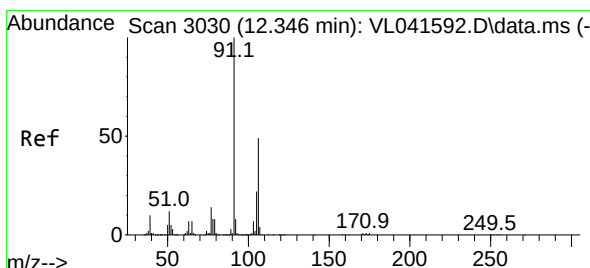
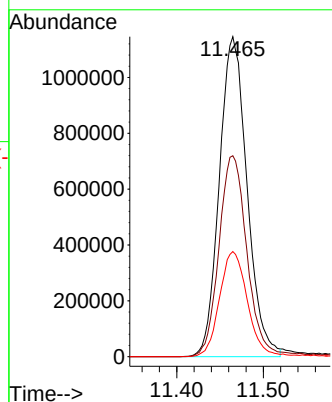
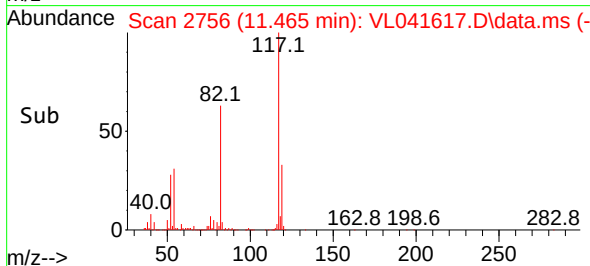
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP



Tgt Ion: 117 Resp: 254674
Ion Ratio Lower Upper
117 100
82 65.0 49.4 74.2
119 33.8 24.4 36.6

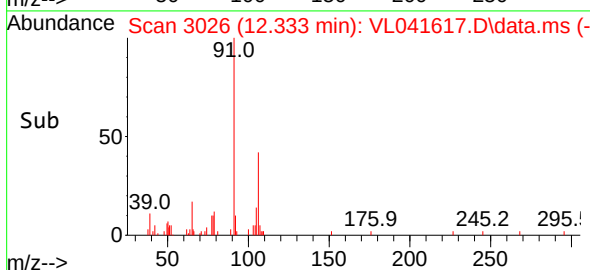
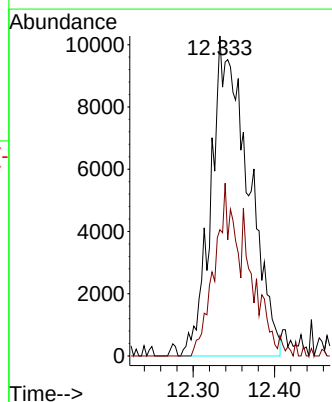
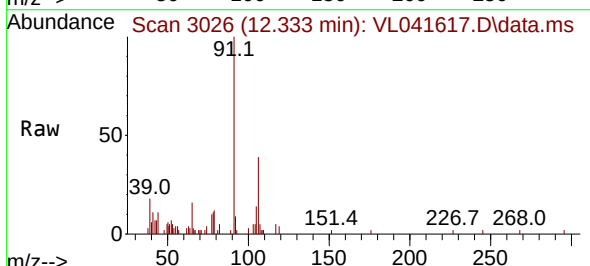
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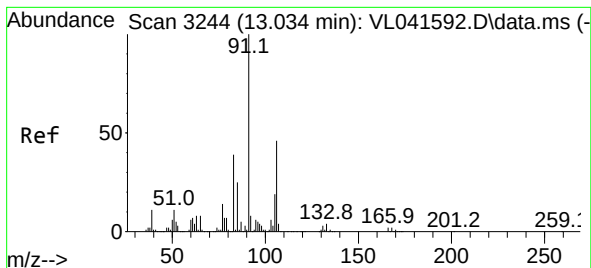
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#59
m/p-Xylene
Concen: 0.134 ppbv m
RT: 12.333 min Scan# 3026
Delta R.T. -0.013 min
Lab File: VL041617.D
Acq: 18 Sep 2024 22:03

Tgt Ion: 91 Resp: 32492
Ion Ratio Lower Upper
91 100
106 0.0 36.8 55.2#





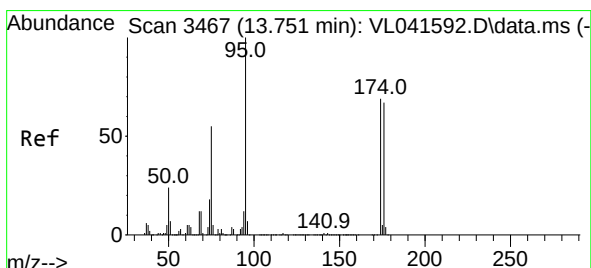
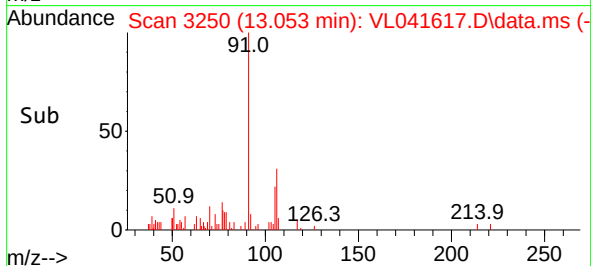
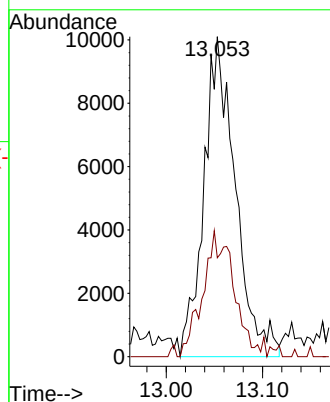
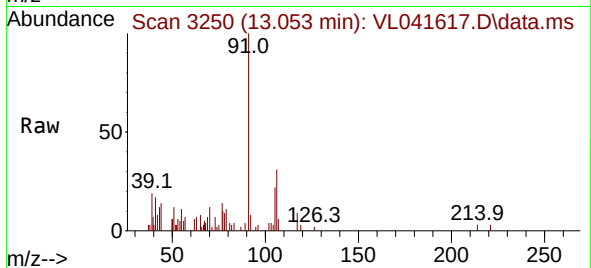
#60
o-Xylene
Concen: 0.098 ppbv m
RT: 13.053 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL041617.D
Acq: 18 Sep 2024 22:03

Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

Tgt Ion: 91 Resp: 2288
Ion Ratio Lower Upper
91 100
106 40.5 23.1 69.3

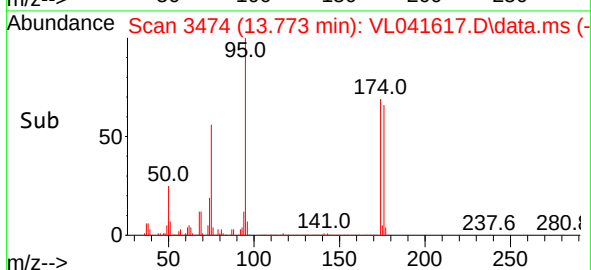
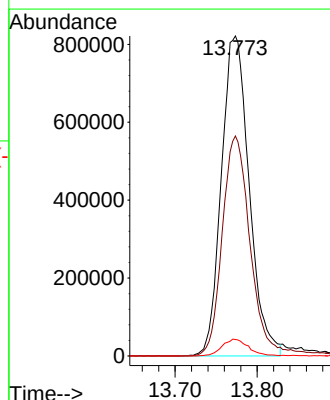
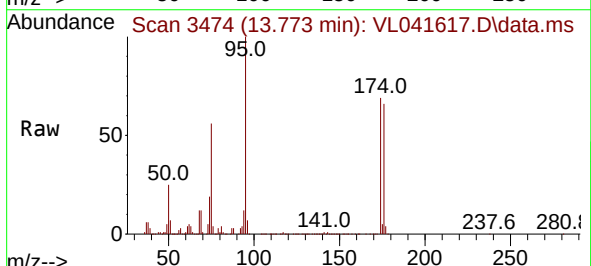
Manual Integrations
APPROVED

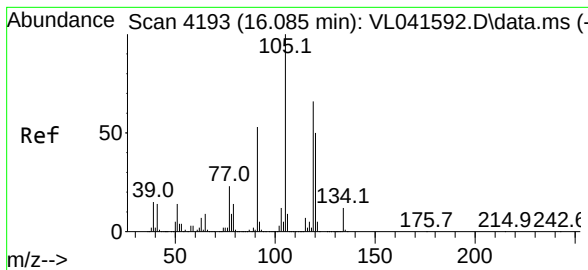
Reviewed By :Semsettin Yesilyurt 09/19/2024
Supervised By :Mahesh Dadoda 09/19/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.335 ppbv
RT: 13.773 min Scan# 3474
Delta R.T. 0.023 min
Lab File: VL041617.D
Acq: 18 Sep 2024 22:03

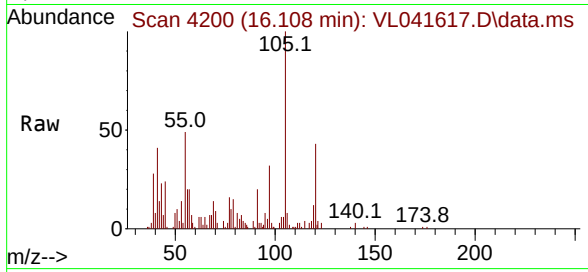
Tgt Ion: 95 Resp: 1937633
Ion Ratio Lower Upper
95 100
174 71.0 55.8 83.8
175 5.2 4.1 6.1





#74
 1,2,4-Trimethylbenzene
 Concen: 0.222 ppbv m
 RT: 16.108 min Scan# 41
 Delta R.T. 0.023 min
 Lab File: VL041617.D
 Acq: 18 Sep 2024 22:03

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DUP



Tgt Ion:	105	Resp:	62400
Ion	Ratio	Lower	Upper
105	100		
120	42.7	39.9	59.9
91	20.0	42.6	63.8
77	15.6	18.2	27.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2024
 Supervised By :Mahesh Dadoda 09/19/2024

