

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041315.D
 Acq On : 4 Jun 2024 21:31
 Operator : SY/MD
 Sample : P2682-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
 Supervised By :Mahesh Dadoda 06/05/2024

Quant Time: Jun 05 05:31:19 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	878348	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2249448	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	1840985	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1404209	9.879	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.755	85	55837	0.398	ppbv	91
3) Chlorodifluoromethane	2.697	51	64534	0.465	ppbv	93
4) Chloromethane	2.835	50	26710	0.511	ppbv	96
9) Propene	2.729	41	95399	1.930	ppbv #	66
11) Trichlorofluoromethane	3.578	101	28508	0.221	ppbv	93
13) Ethanol	3.256	45	374059	29.081	ppbv	99
15) Acetone	3.481	43	1747545	17.426	ppbv	98
19) Isopropyl Alcohol	3.597	45	63076	1.001	ppbv #	95
20) Methylene Chloride	3.947	84	893437	24.511	ppbv	96
26) Hexane	5.221	57	1245278	13.958	ppbv #	40
34) 2-Butanone	4.803	43	36596m	0.340	ppbv	
35) Carbon Tetrachloride	6.494	117	8856m	0.069	ppbv	
36) Benzene	6.378	78	28348m	0.163	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	136879	0.456	ppbv	90
53) Toluene	9.221	91	196439	0.979	ppbv	97
58) Ethyl Benzene	12.076	91	38403m	0.163	ppbv	
59) m/p-Xylene	12.336	91	122806m	0.607	ppbv	
60) o-Xylene	13.060	91	40860m	0.212	ppbv	
74) 1,2,4-Trimethylbenzene	16.105	105	21258m	0.096	ppbv	

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

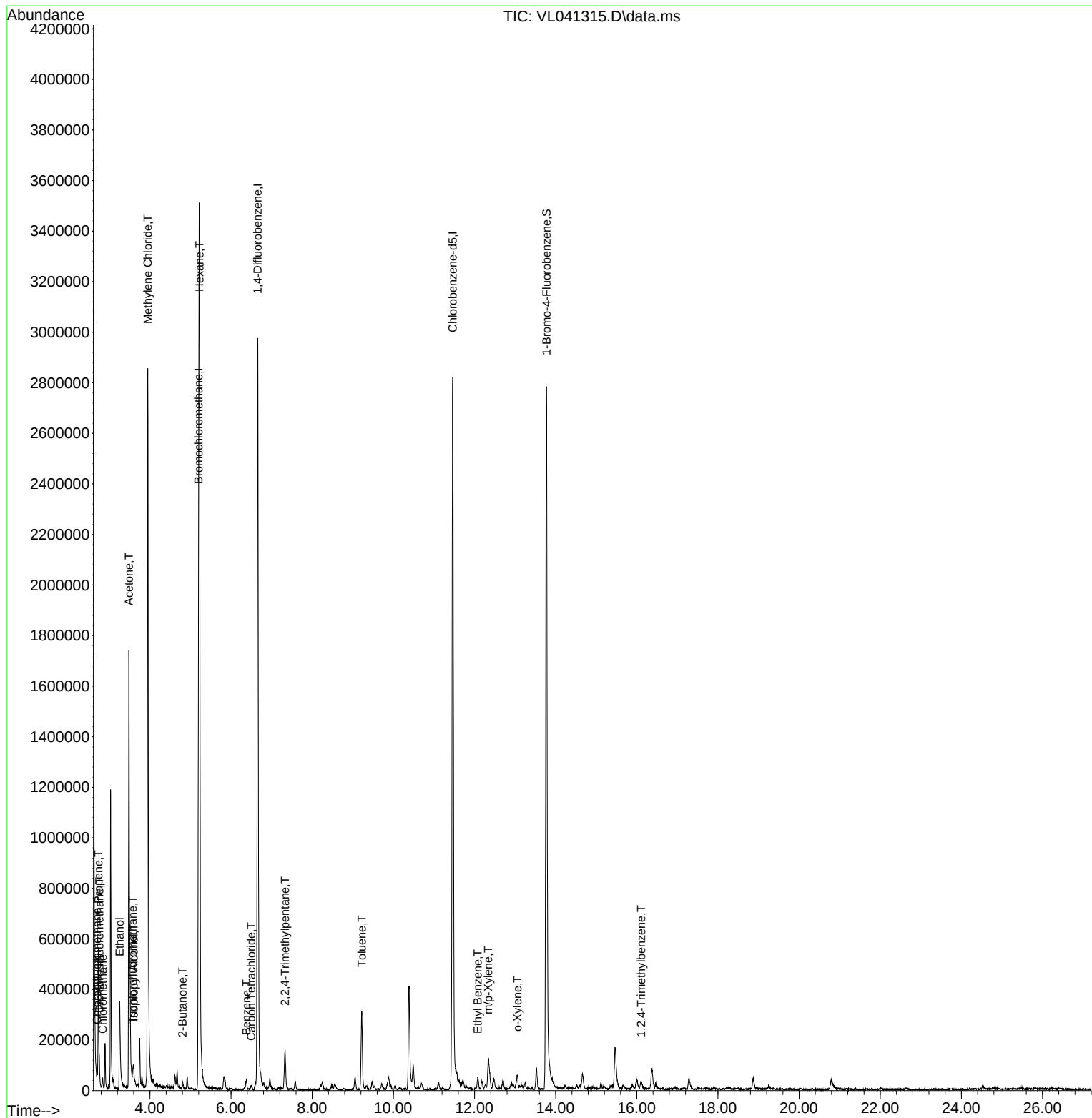
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
Data File : VL041315.D
Acq On : 4 Jun 2024 21:31
Operator : SY/MD
Sample : P2682-03
Misc : 400mL/MSVOA_L
ALS Vial : 10 Sample Multiplier: 1

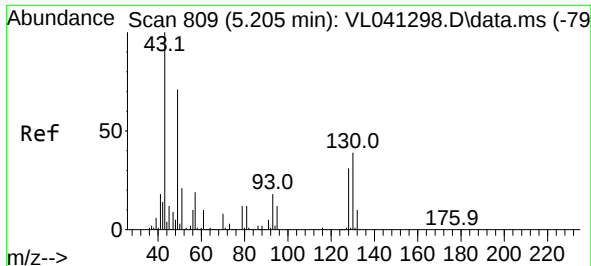
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jun 05 05:31:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jun 05 04:42:10 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

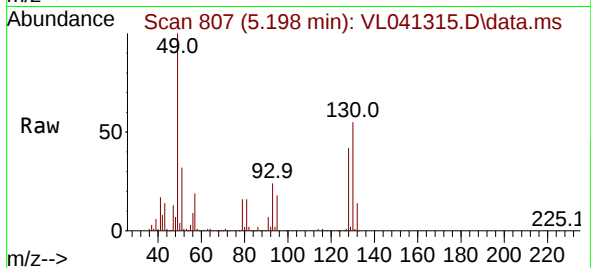
Reviewed By : Semsettin Yesilyurt 06/05/2024
Supervised By : Mahesh Dadoda 06/05/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

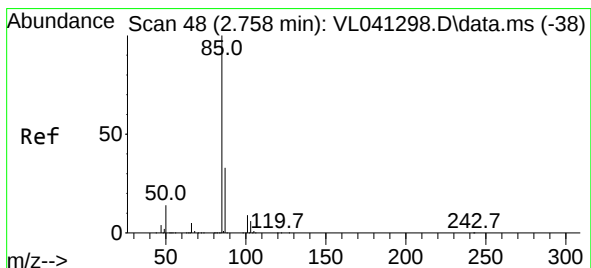
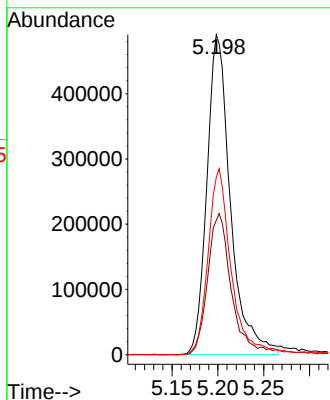
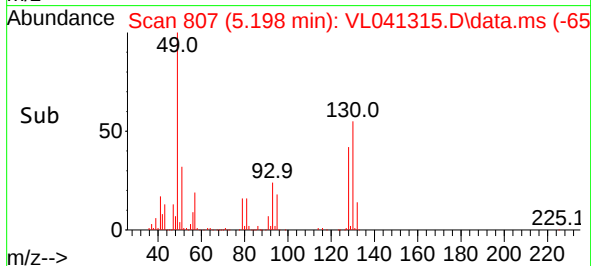
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 87834
Ion Ratio Lower Upper
49 100
128 45.8 22.8 68.3
130 58.0 28.4 85.3

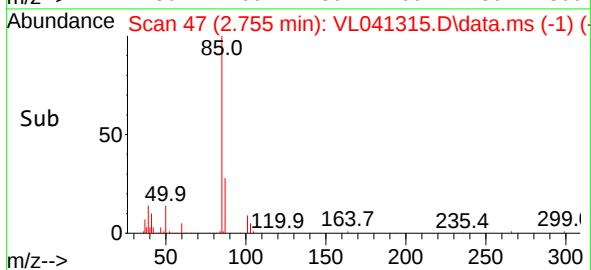
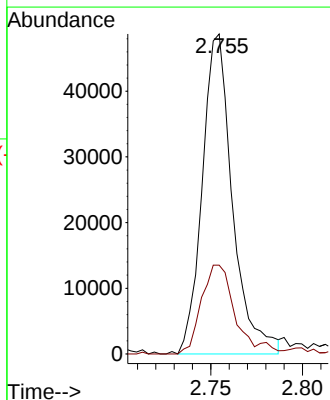
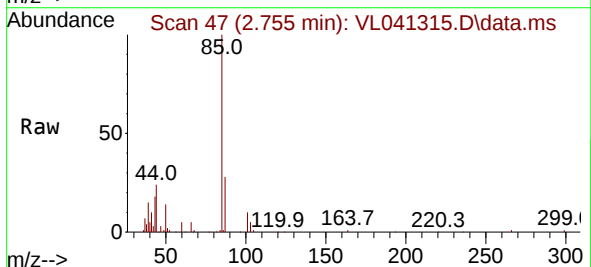
Manual Integrations
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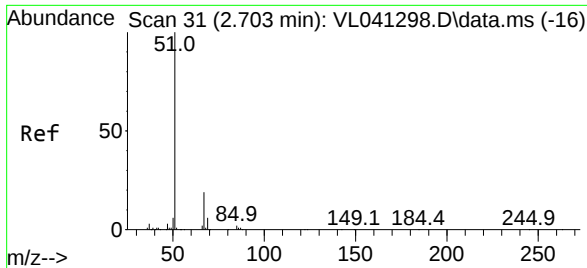
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#2
Dichlorodifluoromethane
Concen: 0.398 ppbv
RT: 2.755 min Scan# 47
Delta R.T. -0.003 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

Tgt Ion: 85 Resp: 55837
Ion Ratio Lower Upper
85 100
87 27.8 26.5 39.7





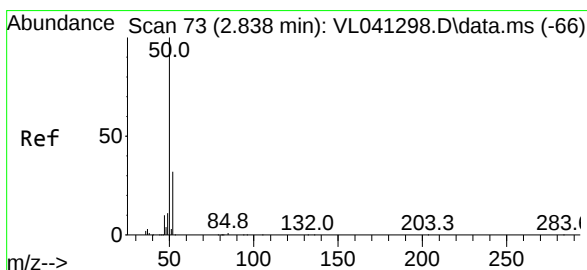
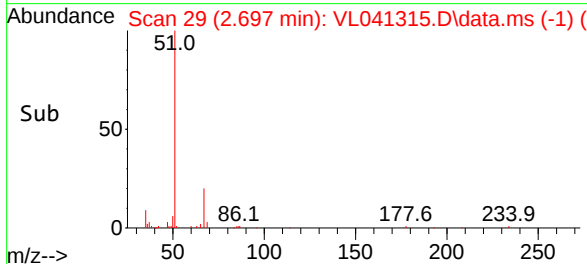
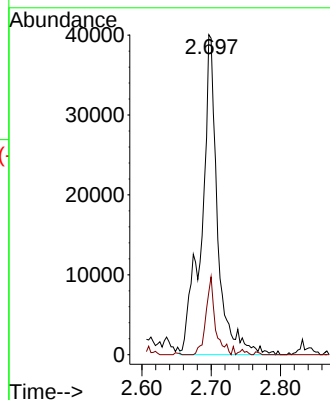
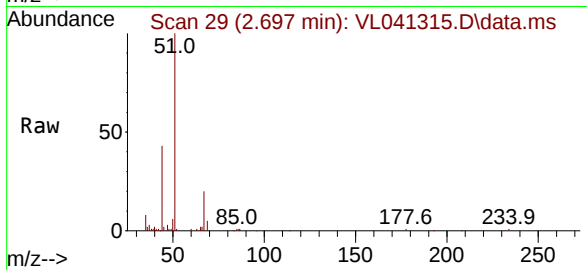
#3
Chlorodifluoromethane
Concen: 0.465 ppbv
RT: 2.697 min Scan# 29
Delta R.T. -0.006 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 64534
Ion Ratio Lower Upper
51 100
67 15.4 14.7 22.1

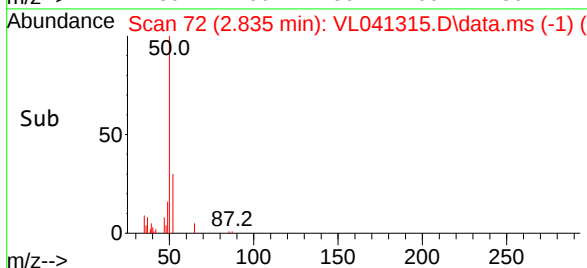
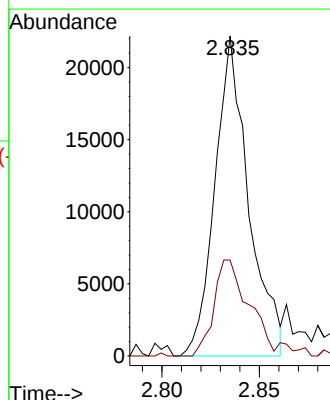
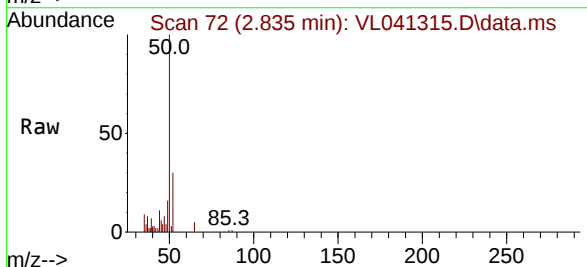
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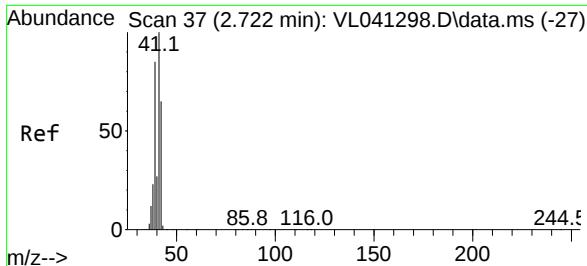
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#4
Chloromethane
Concen: 0.511 ppbv
RT: 2.835 min Scan# 72
Delta R.T. -0.003 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

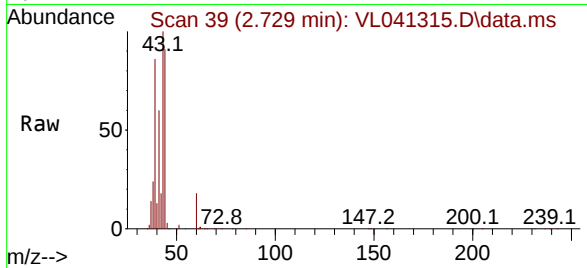
Tgt Ion: 50 Resp: 26710
Ion Ratio Lower Upper
50 100
52 29.9 25.6 38.4





#9
Propene
Concen: 1.930 ppbv
RT: 2.729 min Scan# 30
Delta R.T. 0.006 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

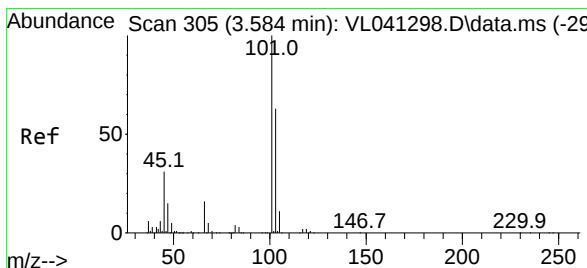
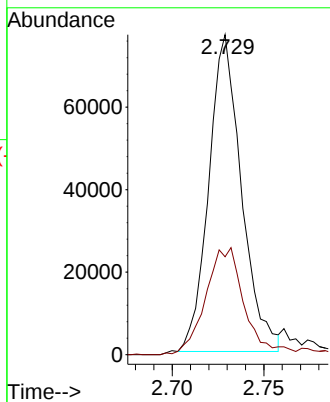
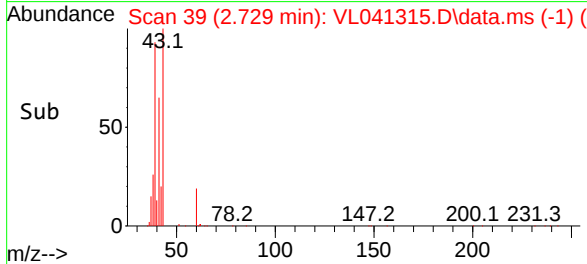
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 41 Resp: 9539
Ion Ratio Lower Upper
41 100
42 41.5 55.2 82.8

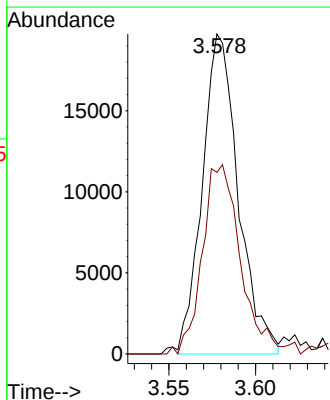
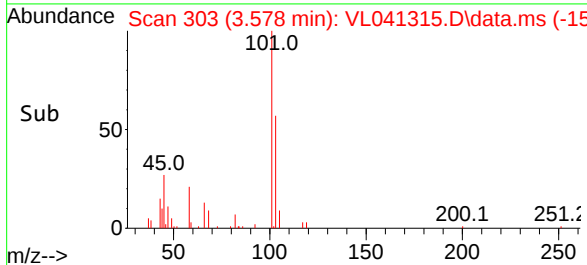
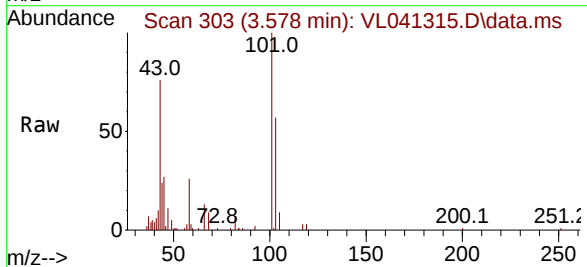
Manual Integrations
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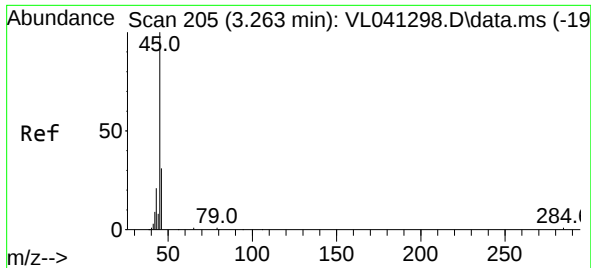
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#11
Trichlorofluoromethane
Concen: 0.221 ppbv
RT: 3.578 min Scan# 303
Delta R.T. -0.006 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

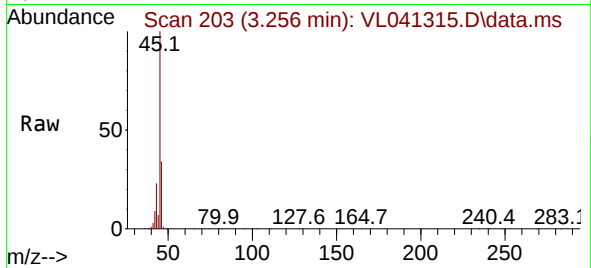
Tgt Ion:101 Resp: 28508
Ion Ratio Lower Upper
101 100
103 57.5 50.6 76.0





#13
Ethanol
Concen: 29.081 ppbv
RT: 3.256 min Scan# 205
Delta R.T. -0.006 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

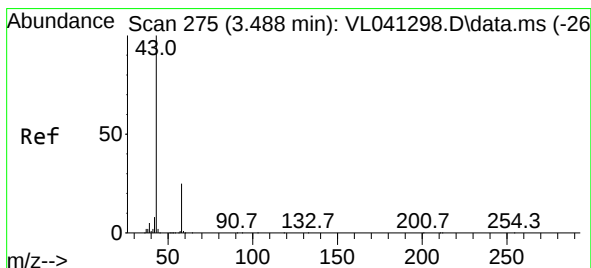
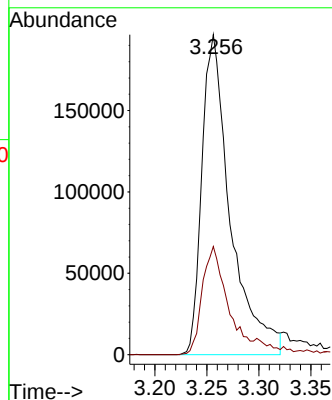
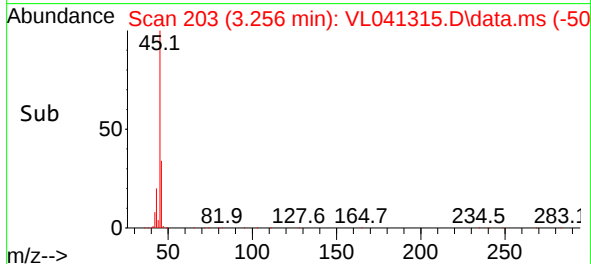
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 45 Resp: 374059
Ion Ratio Lower Upper
45 100
46 36.1 14.2 56.6

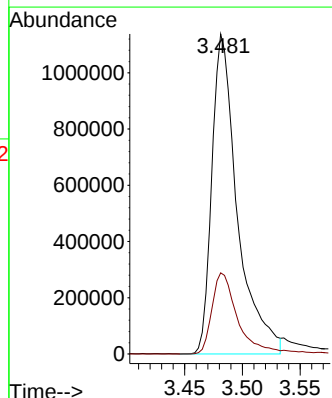
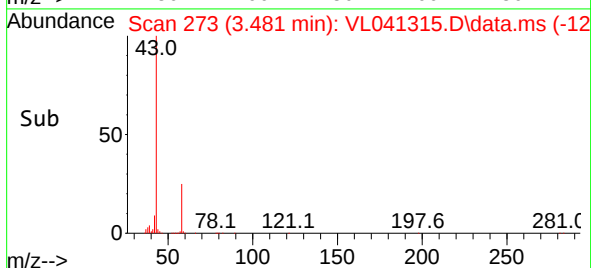
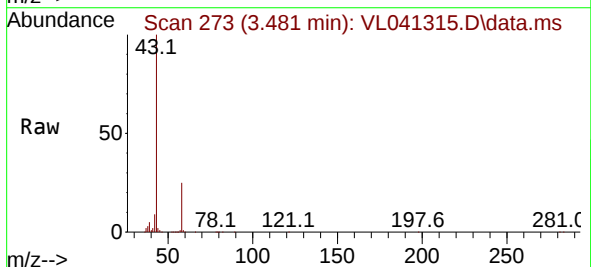
Manual Integrations
APPROVED

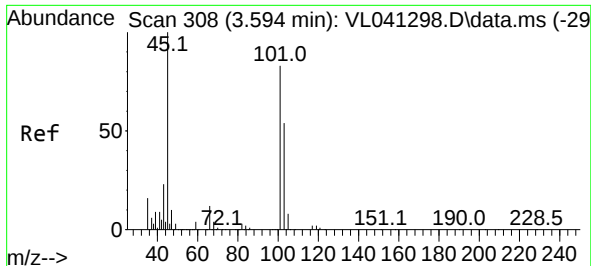
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#15
Acetone
Concen: 17.426 ppbv
RT: 3.481 min Scan# 273
Delta R.T. -0.006 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

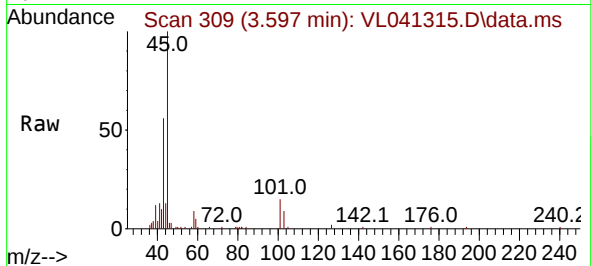
Tgt Ion: 43 Resp: 1747545
Ion Ratio Lower Upper
43 100
58 26.8 20.6 31.0





#19
Isopropyl Alcohol
Concen: 1.001 ppbv
RT: 3.597 min Scan# 308
Delta R.T. 0.003 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

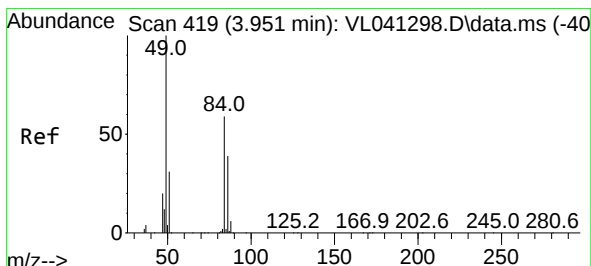
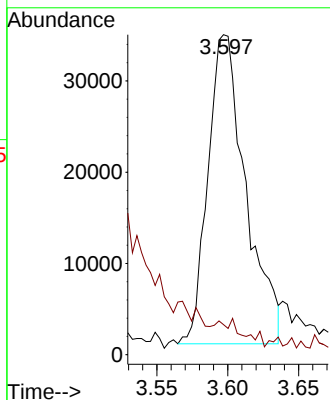
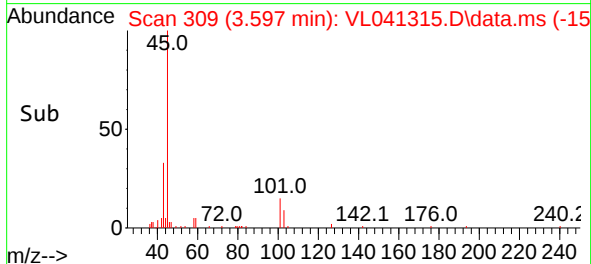
Instrument :
MSVOA_L
ClientSampleId :
OA1



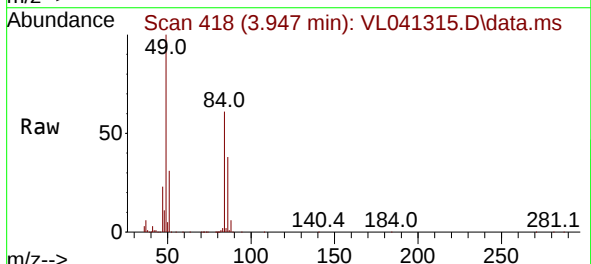
Tgt Ion: 45 Resp: 63070
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2

Manual Integrations
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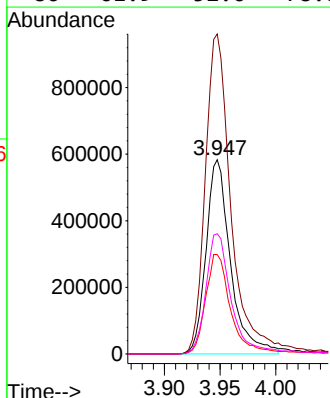
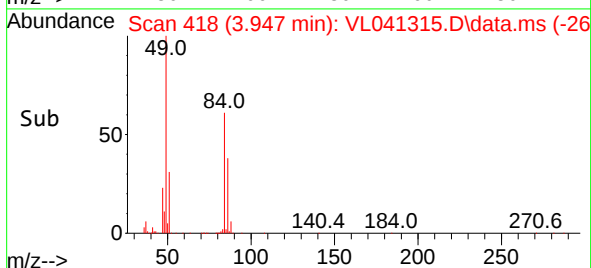
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024

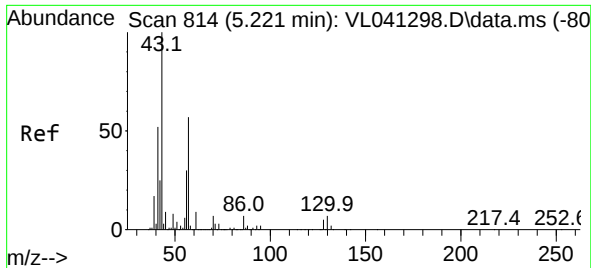


#20
Methylene Chloride
Concen: 24.511 ppbv
RT: 3.947 min Scan# 418
Delta R.T. -0.003 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31



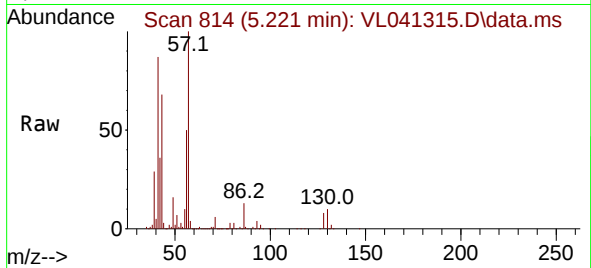
Tgt Ion: 84 Resp: 893437
Ion Ratio Lower Upper
84 100
49 164.7 136.2 204.2
51 51.1 41.9 62.9
86 61.9 52.6 78.8





#26
Hexane
Concen: 13.958 ppbv
RT: 5.221 min Scan# 814
Delta R.T. -0.000 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

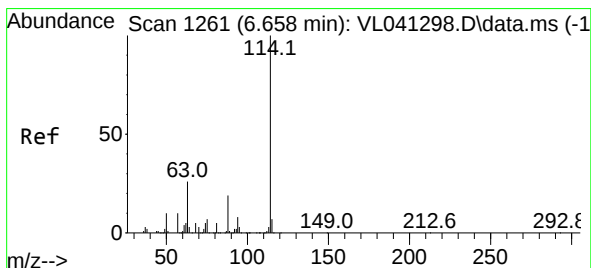
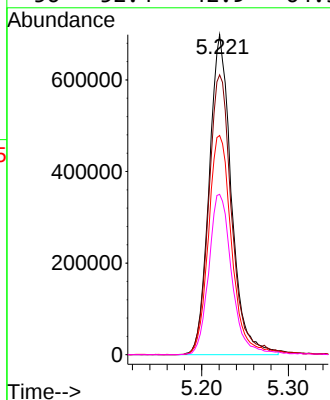
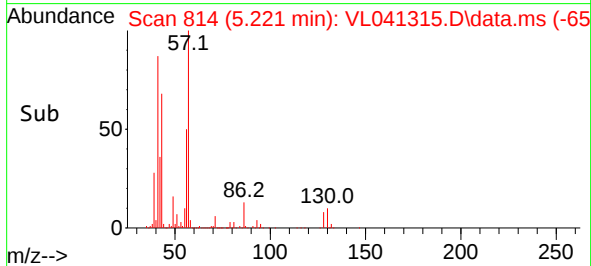
Instrument :
MSVOA_L
ClientSampleId :
OA1



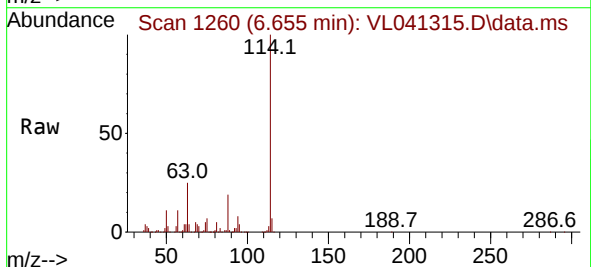
Tgt Ion: 57 Resp: 1245278
Ion Ratio Lower Upper
57 100
41 92.2 77.1 115.7
43 72.3 186.1 279.1
56 52.4 42.9 64.3

Manual Integrations
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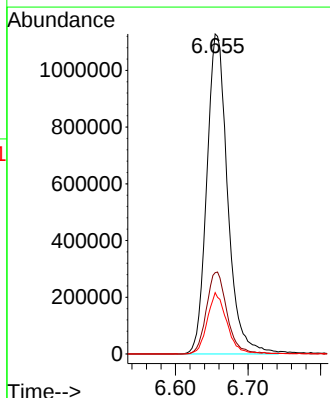
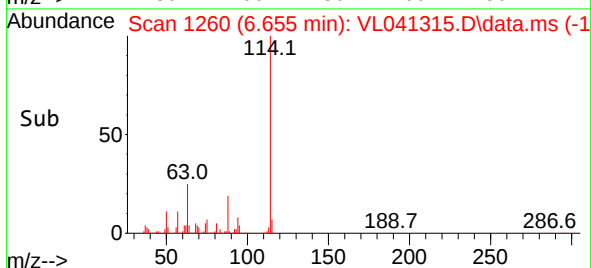
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024

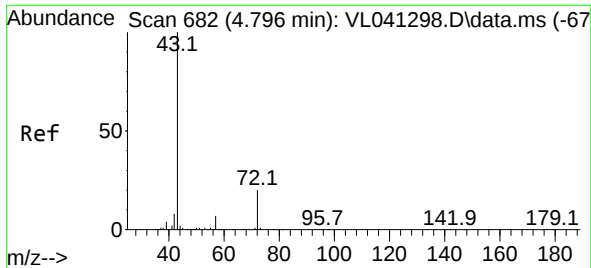


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. -0.003 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31



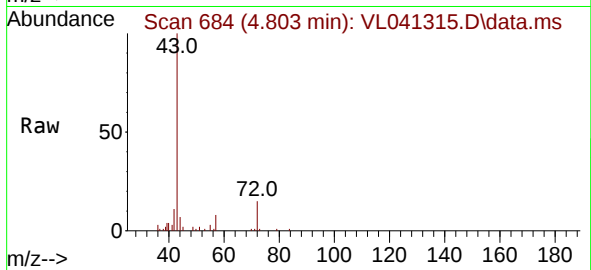
Tgt Ion:114 Resp: 2249448
Ion Ratio Lower Upper
114 100
63 25.7 20.6 30.8
88 18.3 14.5 21.7





#34
2-Butanone
Concen: 0.340 ppbv m
RT: 4.803 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

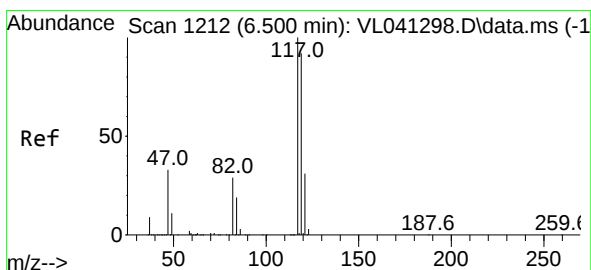
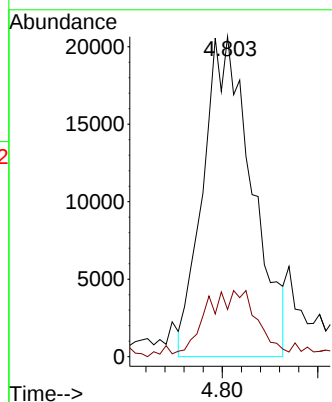
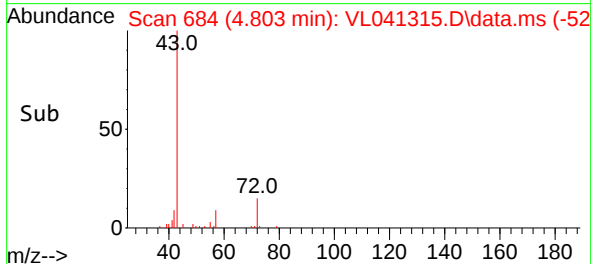
Instrument :
MSVOA_L
ClientSampleId :
OA1



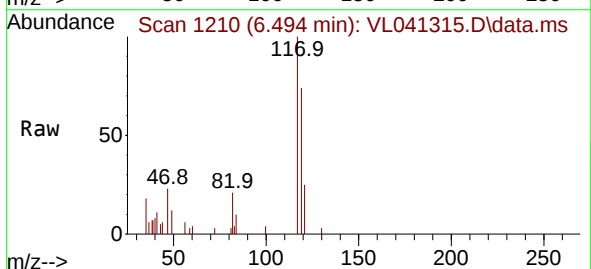
Tgt Ion: 43 Resp: 36590
Ion Ratio Lower Upper
43 100
72 24.5 17.4 26.0

Manual Integrations
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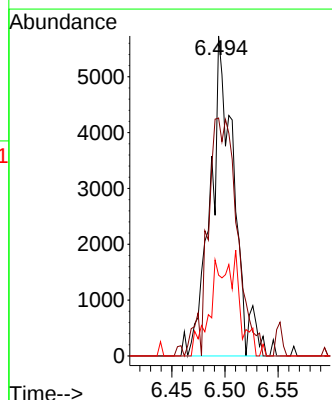
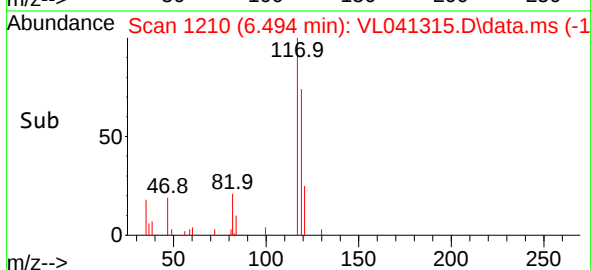
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024

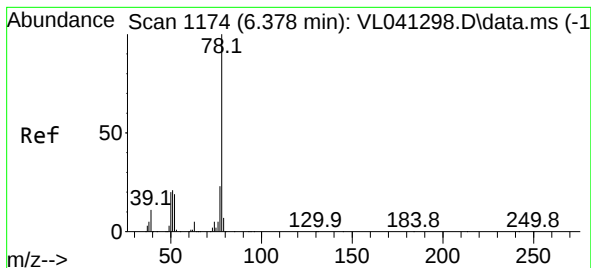


#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 6.494 min Scan# 1210
Delta R.T. -0.006 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31



Tgt Ion:117 Resp: 8856
Ion Ratio Lower Upper
117 100
119 74.4 74.0 111.0
121 25.3 24.8 37.2





#36

Benzene

Concen: 0.163 ppbv

RT: 6.378 min Scan# 1174

Delta R.T. -0.000 min

Lab File: VL041315.D

Acq: 4 Jun 2024 21:31

Instrument :

MSVOA_L

ClientSampleId :

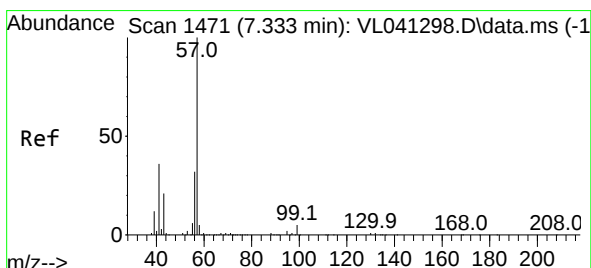
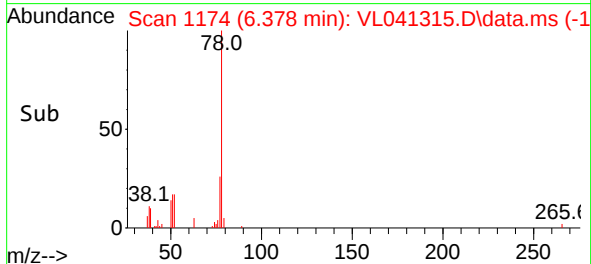
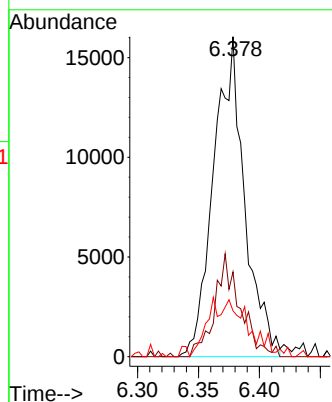
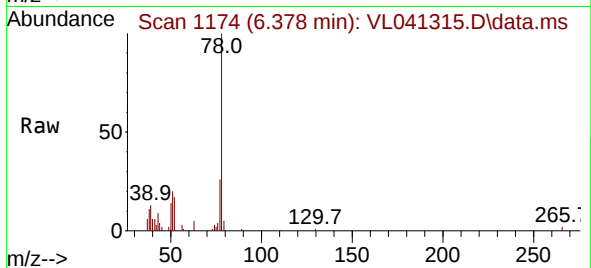
OA1

Tgt Ion: 78	Resp: 2834
Ion Ratio	Lower Upper
78 100	
77 26.5	18.6 28.0
50 14.3	16.0 24.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#44

2,2,4-Trimethylpentane

Concen: 0.456 ppbv

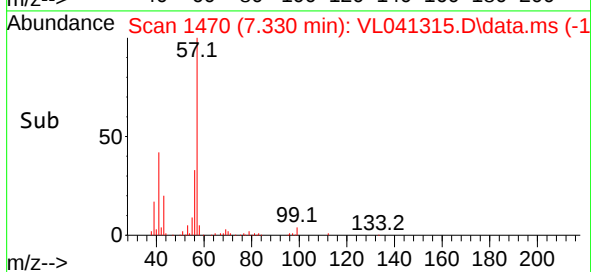
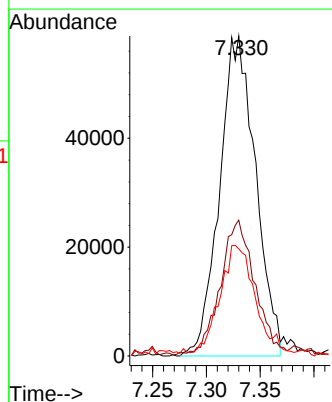
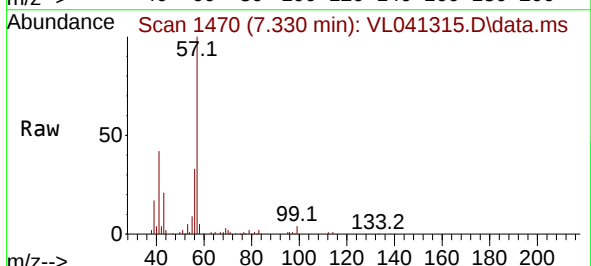
RT: 7.330 min Scan# 1470

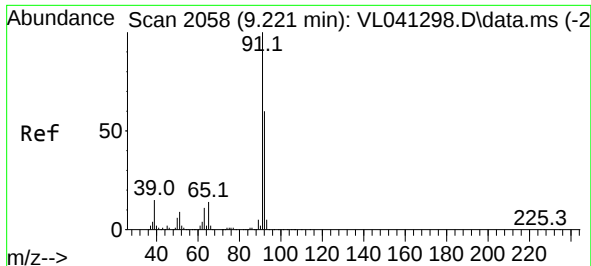
Delta R.T. -0.003 min

Lab File: VL041315.D

Acq: 4 Jun 2024 21:31

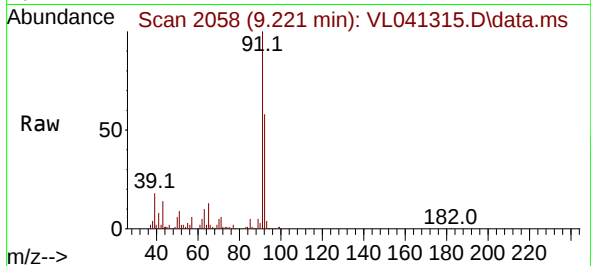
Tgt Ion: 57	Resp: 136879
Ion Ratio	Lower Upper
57 100	
41 42.4	29.4 44.2
56 36.6	25.0 37.4





#53
Toluene
Concen: 0.979 ppbv
RT: 9.221 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

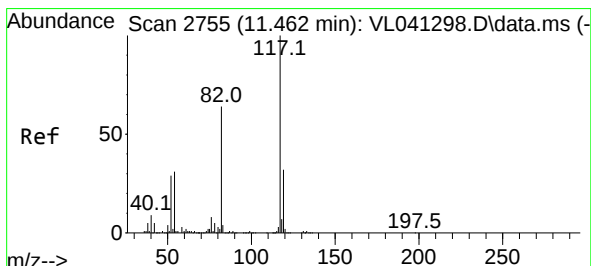
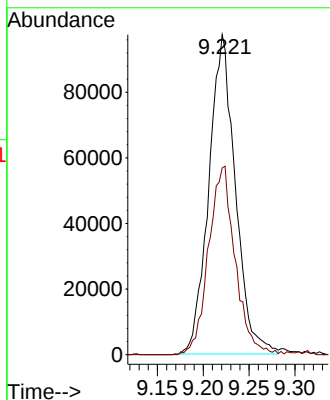
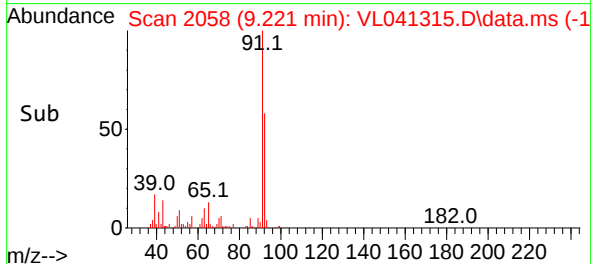
Instrument :
MSVOA_L
ClientSampleId :
OA1



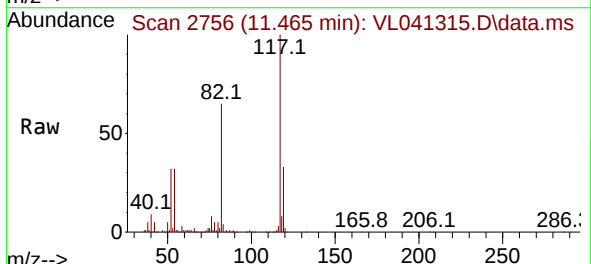
Tgt Ion: 91 Resp: 196439
Ion Ratio Lower Upper
91 100
92 59.2 49.2 73.8

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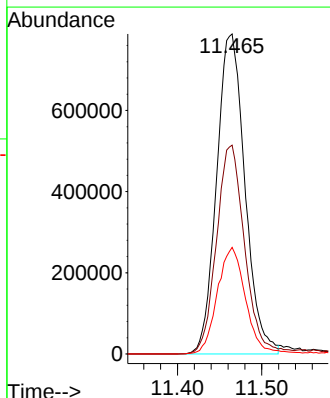
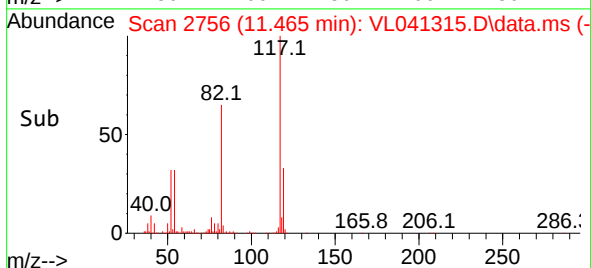
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024

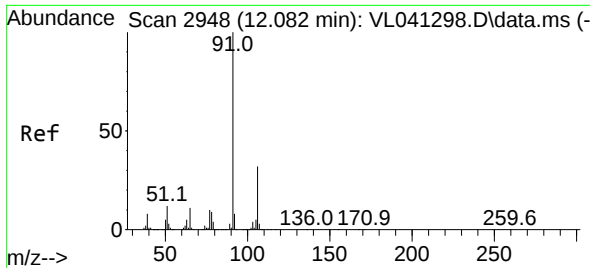


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. 0.003 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31



Tgt Ion:117 Resp: 1840985
Ion Ratio Lower Upper
117 100
82 67.1 52.3 78.5
119 33.7 26.2 39.2





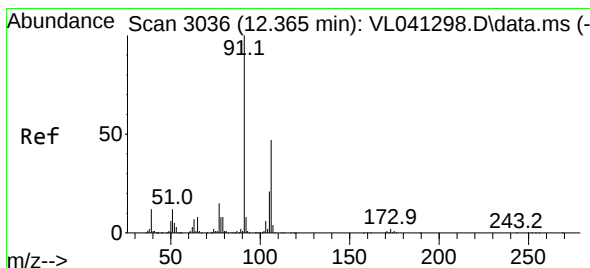
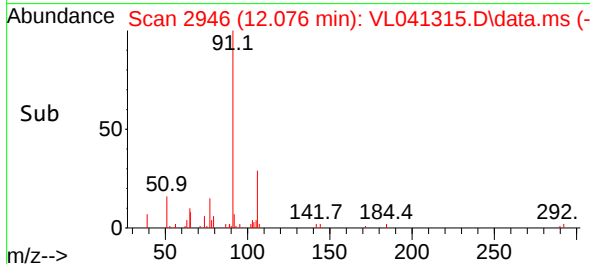
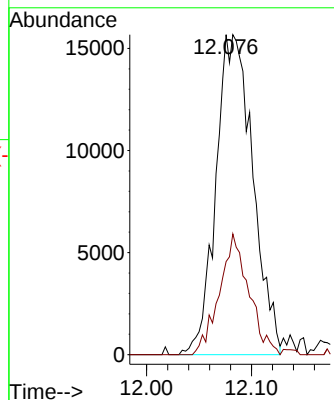
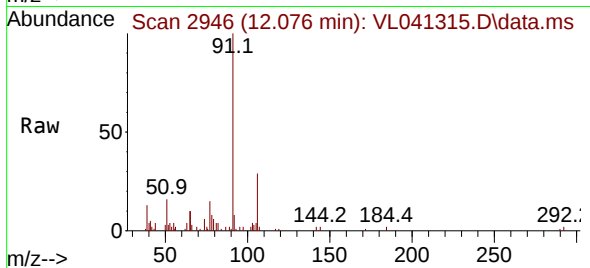
#58
Ethyl Benzene
Concen: 0.163 ppbv m
RT: 12.076 min Scan# 2948
Delta R.T. -0.006 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 3840
Ion Ratio Lower Upper
91 100
106 29.1 25.5 38.3

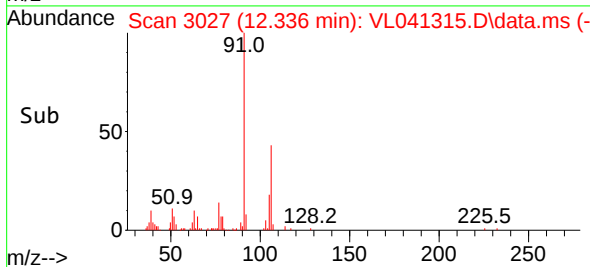
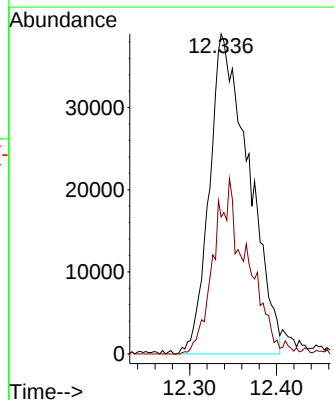
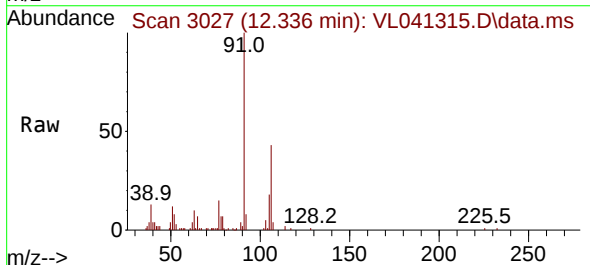
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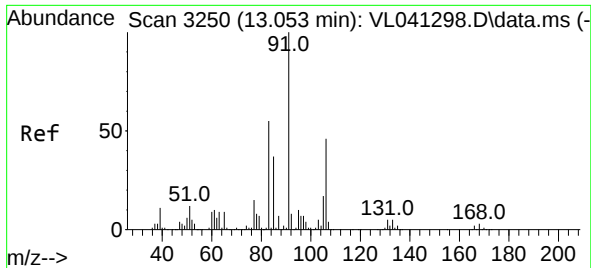
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#59
m/p-Xylene
Concen: 0.607 ppbv m
RT: 12.336 min Scan# 3027
Delta R.T. -0.029 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

Tgt Ion: 91 Resp: 122806
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#





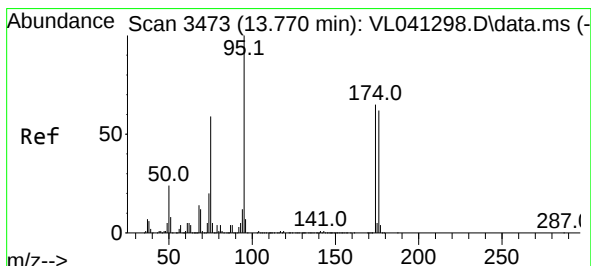
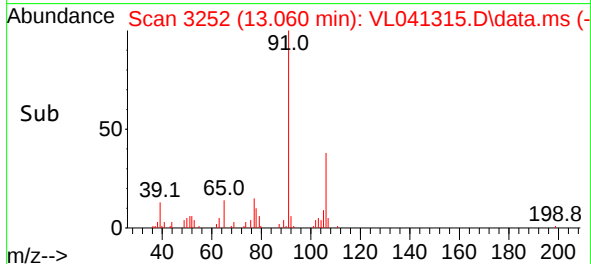
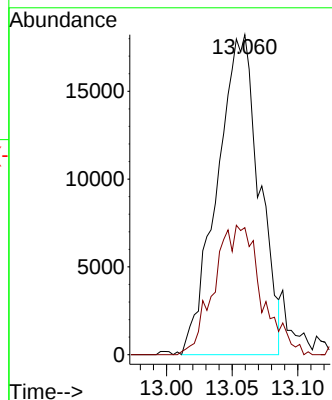
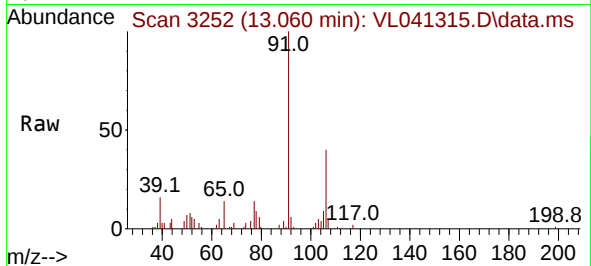
#60
o-Xylene
Concen: 0.212 ppbv m
RT: 13.060 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 40860
Ion Ratio Lower Upper
91 100
106 44.9 22.8 68.4

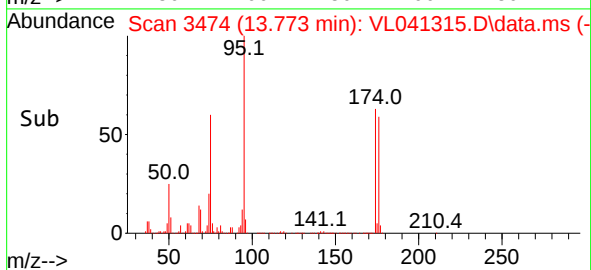
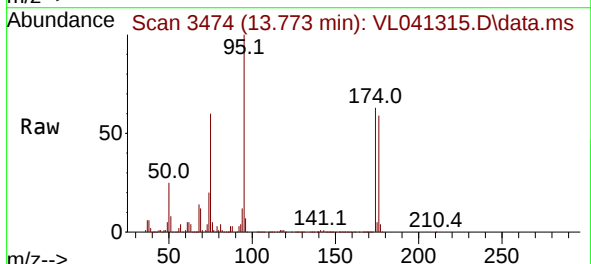
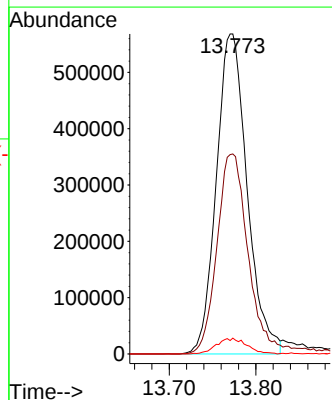
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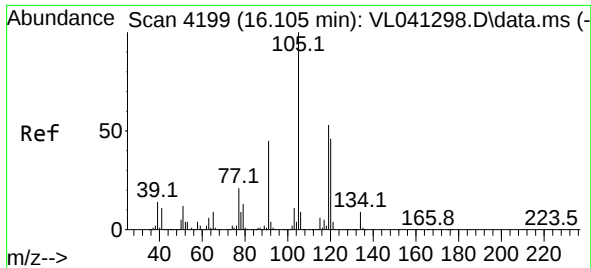
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.879 ppbv
RT: 13.773 min Scan# 3474
Delta R.T. 0.003 min
Lab File: VL041315.D
Acq: 4 Jun 2024 21:31

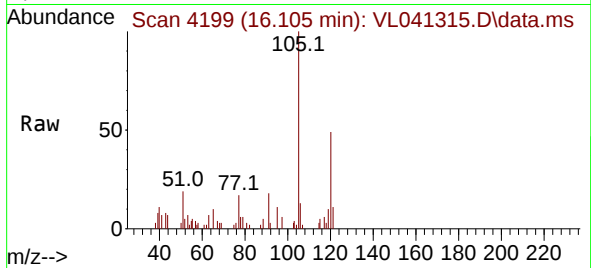
Tgt Ion: 95 Resp: 1404209
Ion Ratio Lower Upper
95 100
174 65.9 52.2 78.2
175 4.9 4.1 6.1





#74
 1,2,4-Trimethylbenzene
 Concen: 0.096 ppbv m
 RT: 16.105 min Scan# 4199
 Delta R.T. -0.000 min
 Lab File: VL041315.D
 Acq: 4 Jun 2024 21:31

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion:	105	Resp:	21258
Ion	Ratio	Lower	Upper
105	100		
120	49.4	37.0	55.6
91	17.8	36.2	54.4
77	16.7	16.6	24.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
 Supervised By :Mahesh Dadoda 06/05/2024

