

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
 Data File : VL041039.D
 Acq On : 7 Feb 2024 14:00
 Operator : SY/MD
 Sample : P1392-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024
 Supervised By :Mahesh Dadoda 02/08/2024

Quant Time: Feb 08 02:43:37 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Thu Feb 08 02:04:13 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	1066970	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	2669493	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2388347	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1879284	10.418	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.706	85	115208	0.489	ppbv	99
3) Chlorodifluoromethane	2.652	51	47104m	0.262	ppbv	
4) Chloromethane	2.790	50	34865	0.518	ppbv	95
11) Trichlorofluoromethane	3.539	101	40193	0.212	ppbv	96
13) Ethanol	3.221	45	185632	13.232	ppbv	100
15) Acetone	3.446	43	708760	5.195	ppbv	98
20) Methylene Chloride	3.912	84	871768	16.604	ppbv	96
26) Hexane	5.189	57	508098	4.818	ppbv #	57
34) 2-Butanone	4.771	43	21156	0.166	ppbv #	89
35) Carbon Tetrachloride	6.471	117	12788m	0.072	ppbv	
36) Benzene	6.346	78	42456	0.193	ppbv	95
44) 2,2,4-Trimethylpentane	7.301	57	35464	0.096	ppbv #	71
53) Toluene	9.201	91	70721	0.293	ppbv	95
59) m/p-Xylene	12.359	91	61329m	0.219	ppbv	

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

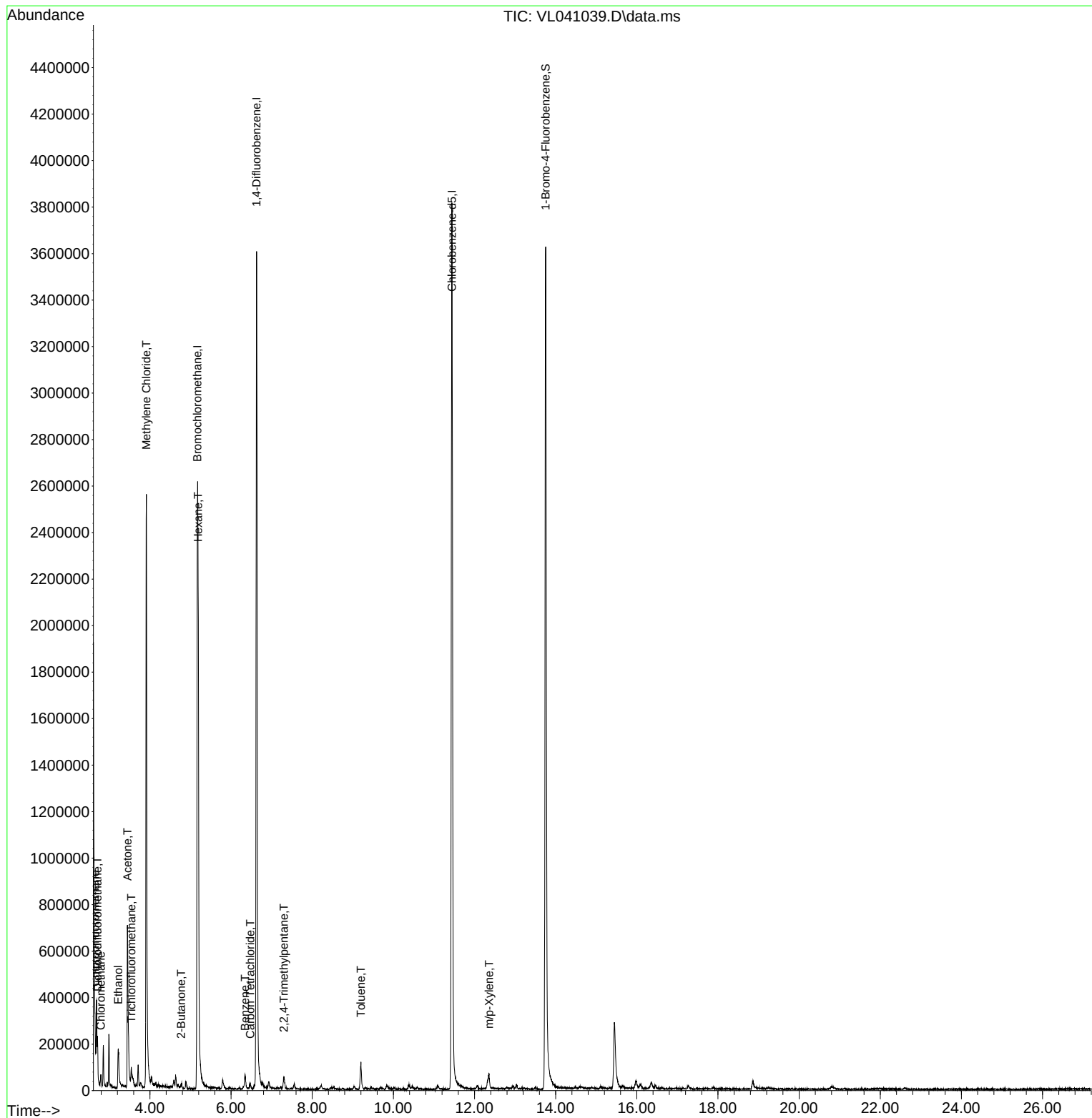
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
Data File : VL041039.D
Acq On : 7 Feb 2024 14:00
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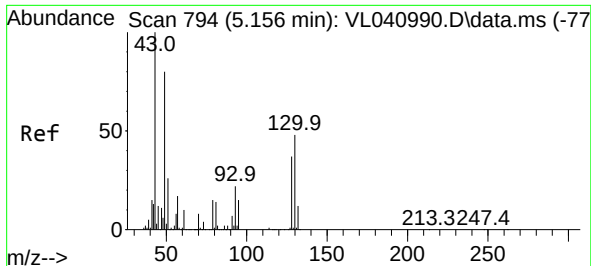
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Feb 08 02:43:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Feb 08 02:04:13 2024
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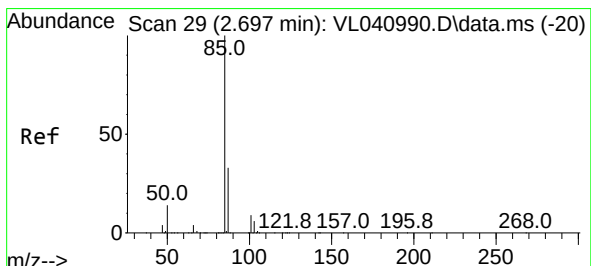
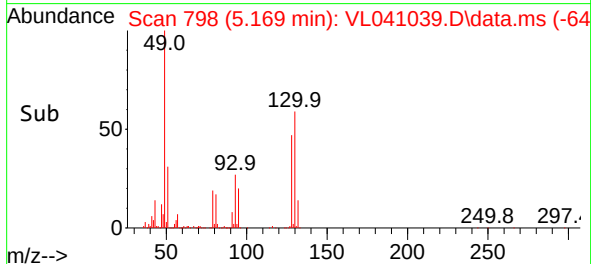
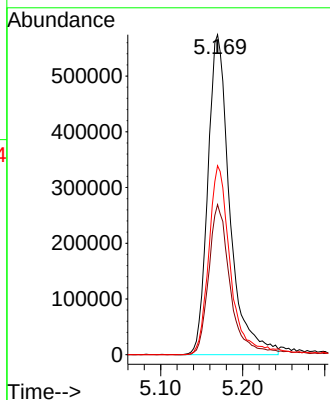
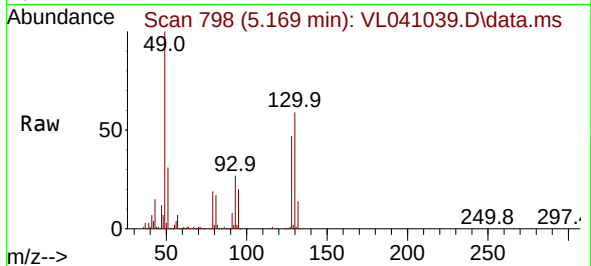
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 794
Delta R.T. 0.003 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 1066970
Ion Ratio Lower Upper
49 100
128 46.9 23.9 71.7
130 60.4 31.1 93.5

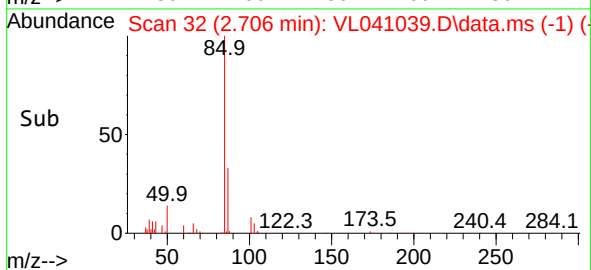
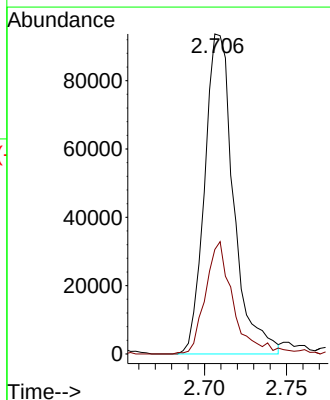
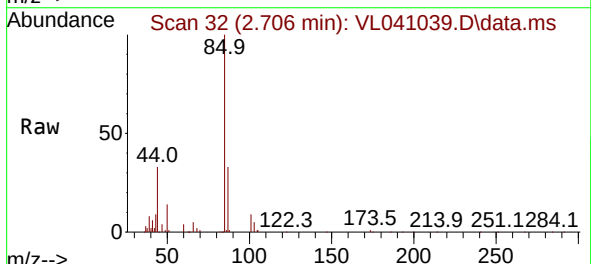
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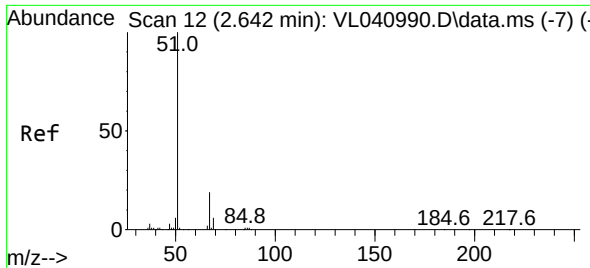
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#2
Dichlorodifluoromethane
Concen: 0.489 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.003 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00

Tgt Ion: 85 Resp: 115208
Ion Ratio Lower Upper
85 100
87 32.2 26.3 39.5





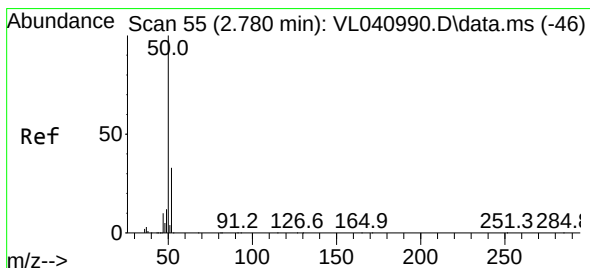
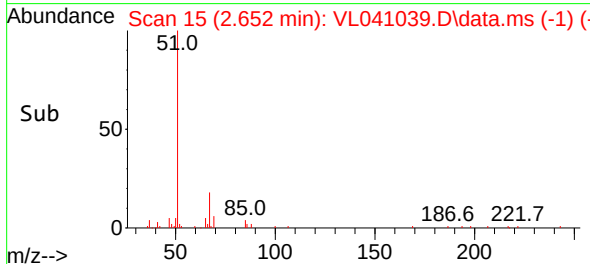
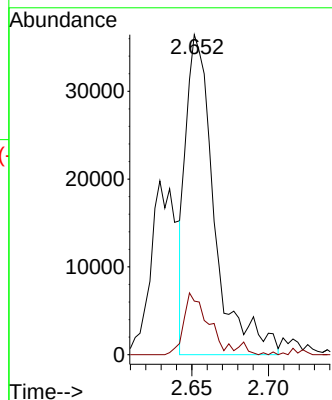
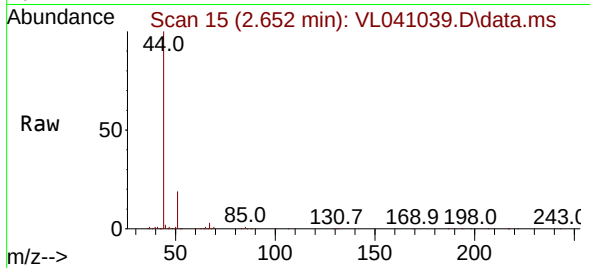
#3
Chlorodifluoromethane
Concen: 0.262 ppbv m
RT: 2.652 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 47104
Ion Ratio Lower Upper
51 100
67 18.0 14.8 22.2

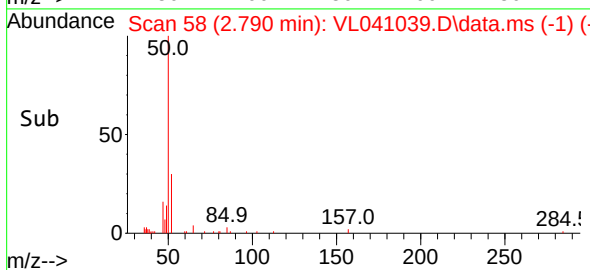
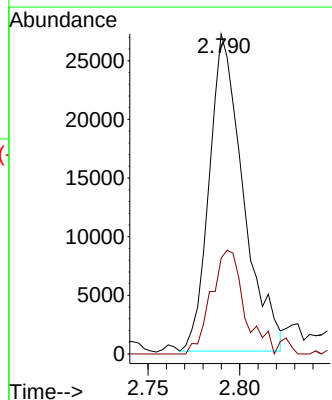
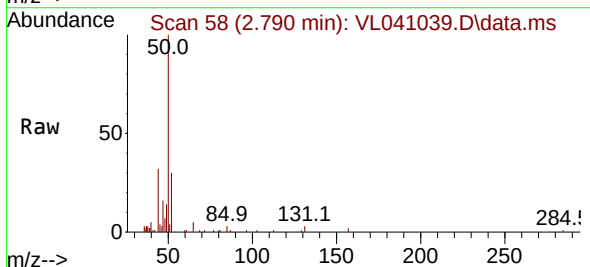
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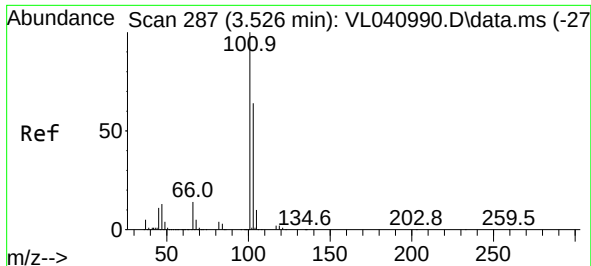
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#4
Chloromethane
Concen: 0.518 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.003 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00

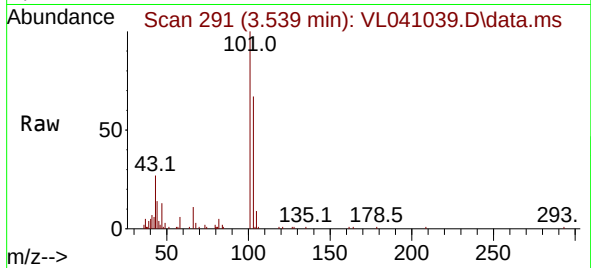
Tgt Ion: 50 Resp: 34865
Ion Ratio Lower Upper
50 100
52 30.2 26.2 39.4





#11
Trichlorofluoromethane
Concen: 0.212 ppbv
RT: 3.539 min Scan# 241
Delta R.T. 0.006 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00

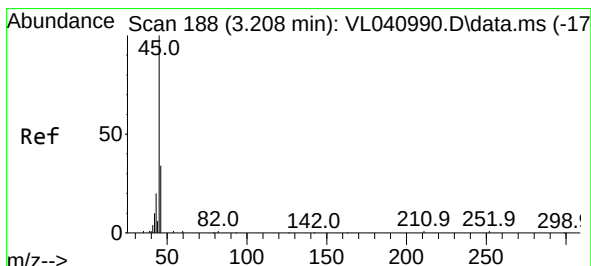
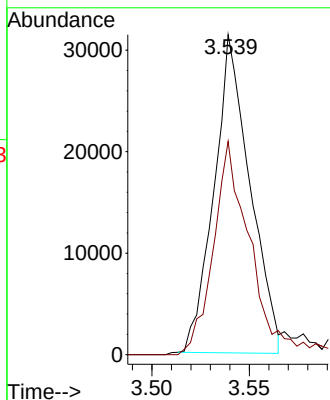
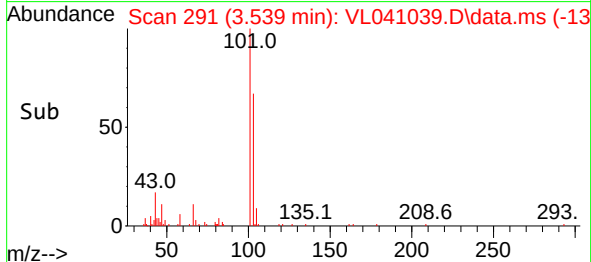
Instrument :
MSVOA_L
ClientSampleId :
OA1



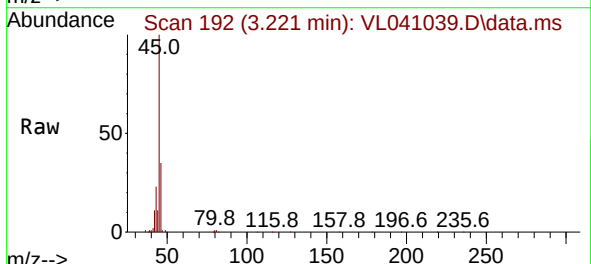
Tgt Ion:101 Resp: 4019
Ion Ratio Lower Upper
101 100
103 67.2 51.4 77.2

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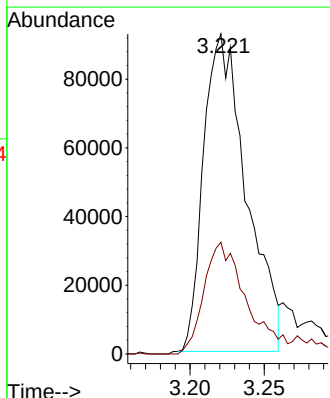
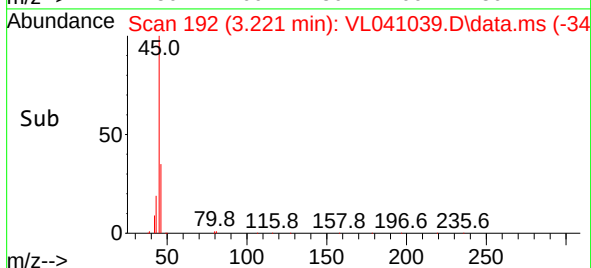
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

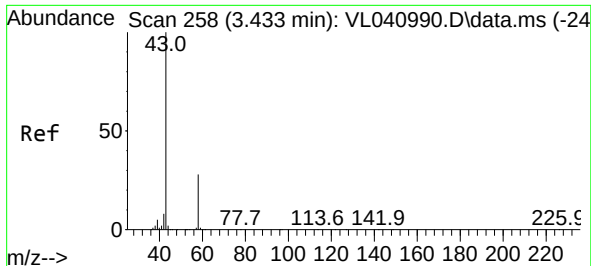


#13
Ethanol
Concen: 13.232 ppbv
RT: 3.221 min Scan# 192
Delta R.T. 0.006 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00



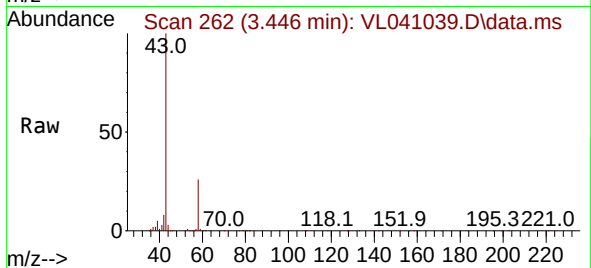
Tgt Ion: 45 Resp: 185632
Ion Ratio Lower Upper
45 100
46 40.7 16.2 64.8





#15
Acetone
Concen: 5.195 ppbv
RT: 3.446 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00

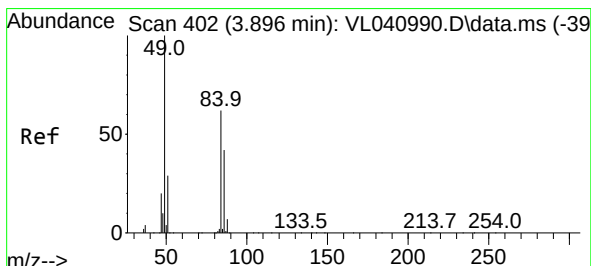
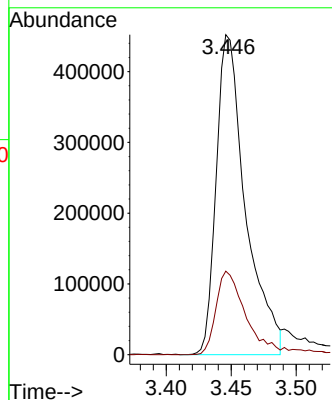
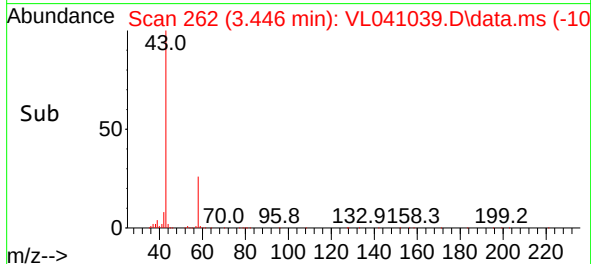
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 708760
Ion Ratio Lower Upper
43 100
58 28.6 22.2 33.2

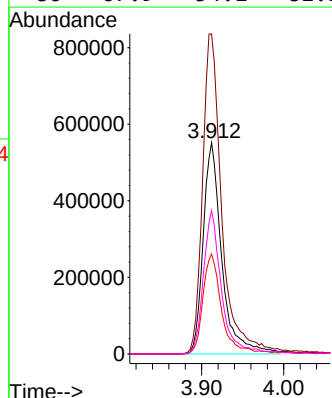
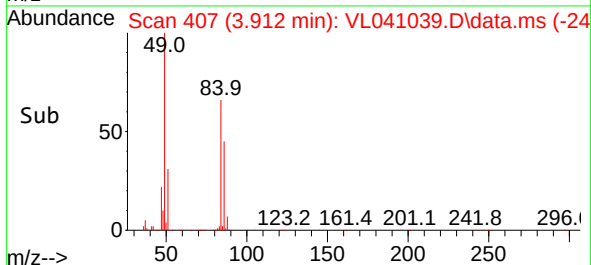
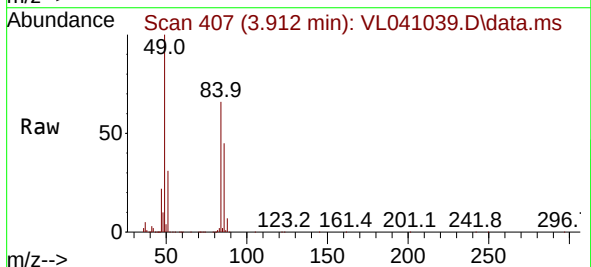
Manual Integrations
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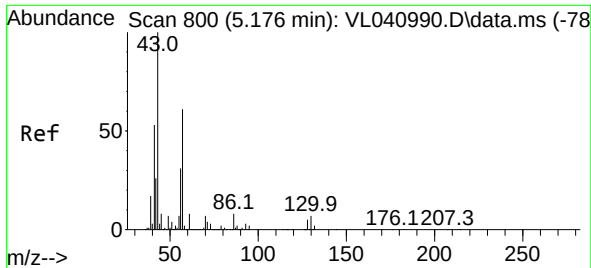
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#20
Methylene Chloride
Concen: 16.604 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.006 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00

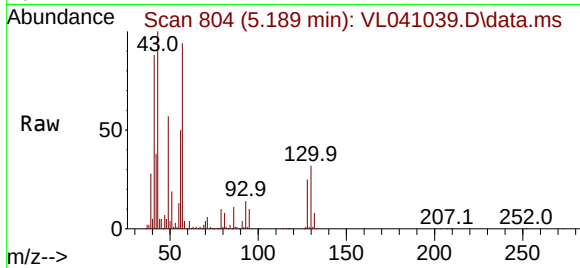
Tgt Ion: 84 Resp: 871768
Ion Ratio Lower Upper
84 100
49 151.4 128.1 192.1
51 47.3 36.5 54.7
86 67.9 54.1 81.1





#26
Hexane
Concen: 4.818 ppbv
RT: 5.189 min Scan# 804
Delta R.T. 0.003 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00

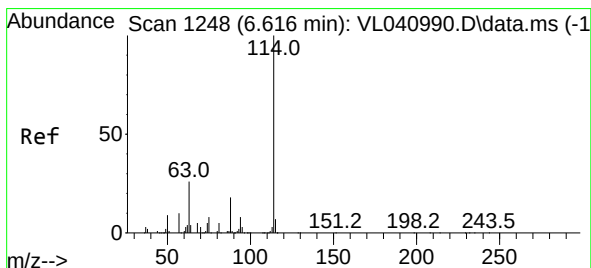
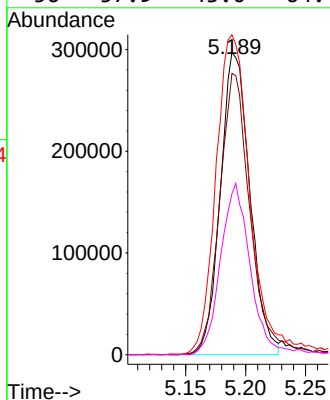
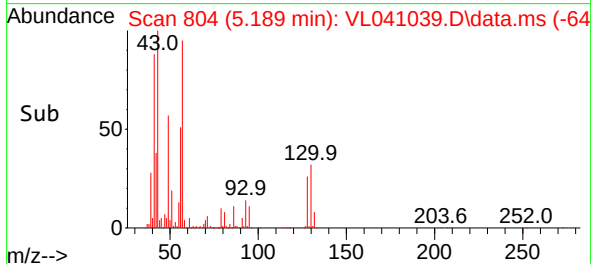
Instrument :
MSVOA_L
ClientSampleId :
OA1



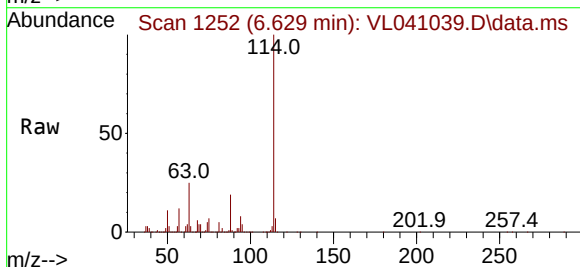
Tgt Ion: 57 Resp: 508098
Ion Ratio Lower Upper
57 100
41 98.0 74.4 111.6
43 125.6 190.6 285.8
56 57.9 43.0 64.4

Manual Integrations
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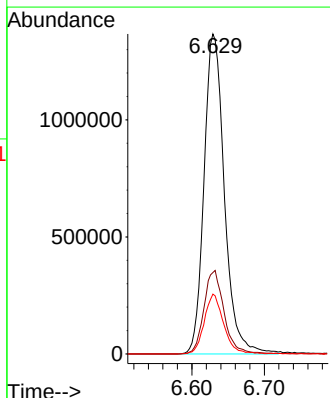
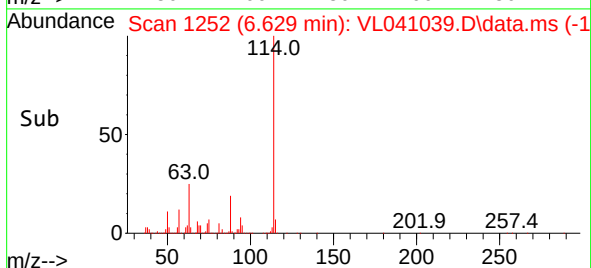
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

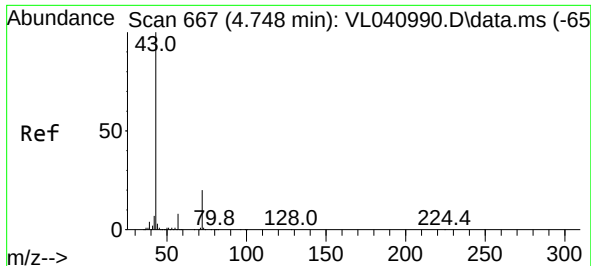


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. 0.003 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00



Tgt Ion:114 Resp: 2669493
Ion Ratio Lower Upper
114 100
63 26.0 20.8 31.2
88 18.0 14.3 21.5





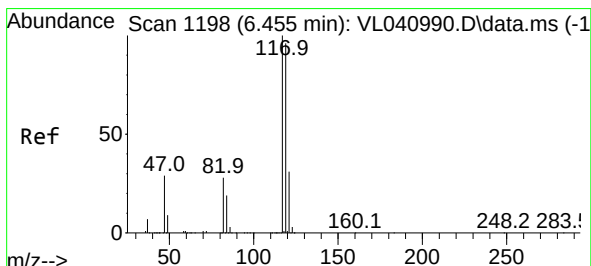
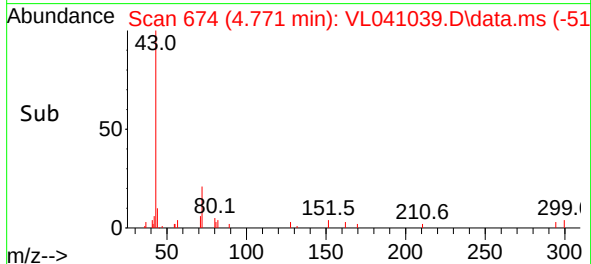
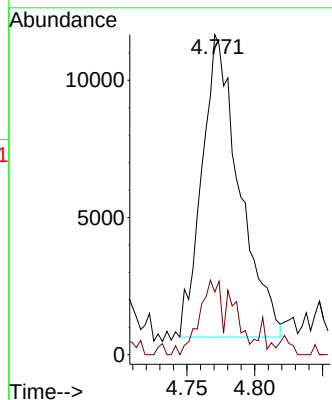
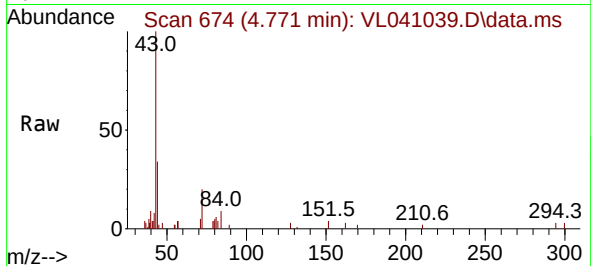
#34
2-Butanone
Concen: 0.166 ppbv
RT: 4.771 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 21150
Ion Ratio Lower Upper
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72 27.2 17.5 26.3

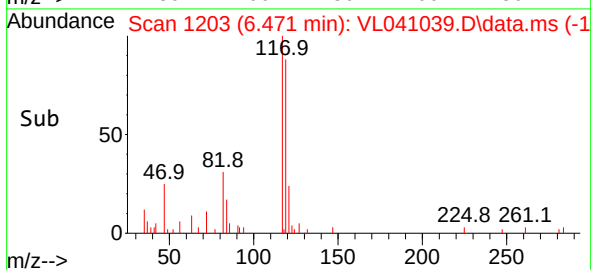
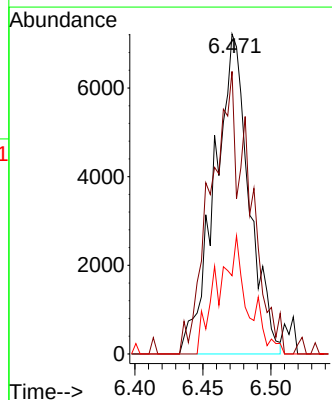
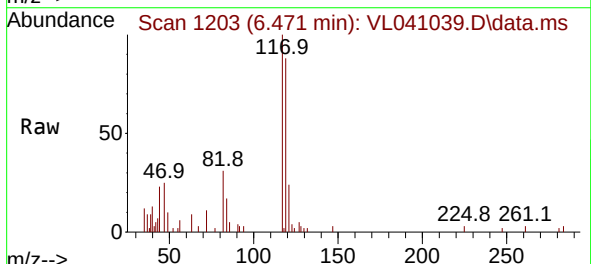
Manual Integrations
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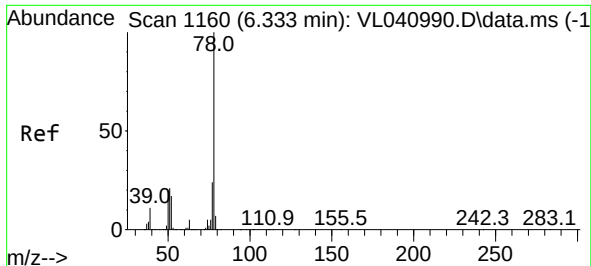
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#35
Carbon Tetrachloride
Concen: 0.072 ppbv m
RT: 6.471 min Scan# 1203
Delta R.T. 0.006 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00

Tgt Ion:117 Resp: 12788
Ion Ratio Lower Upper
117 100
119 88.3 76.9 115.3
121 24.5 24.7 37.1





#36

Benzene

Concen: 0.193 ppbv

RT: 6.346 min Scan# 1160

Delta R.T. 0.003 min

Lab File: VL041039.D

Acq: 7 Feb 2024 14:00

Instrument :

MSVOA_L

ClientSampleId :

OA1

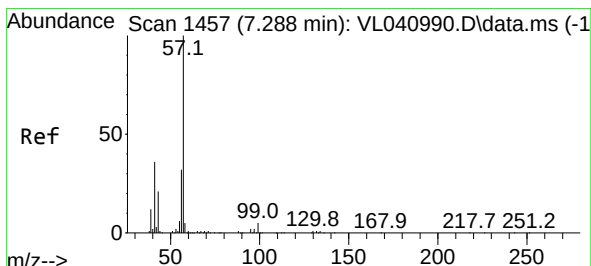
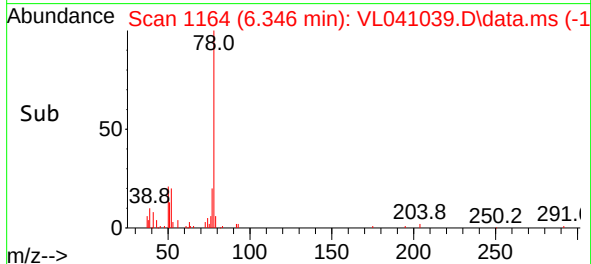
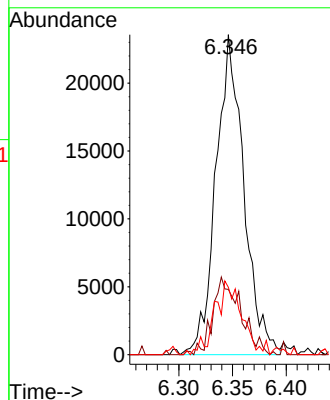
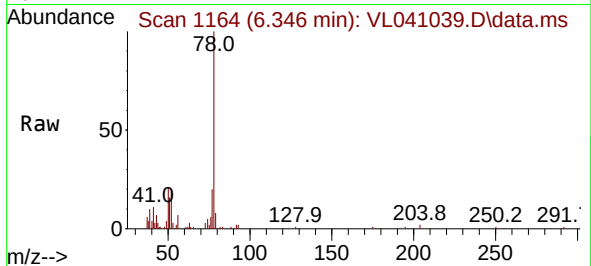
Tgt Ion: 78 Resp: 42450

Ion	Ratio	Lower	Upper
78	100		
77	20.4	19.0	28.4
50	21.0	15.8	23.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#44

2,2,4-Trimethylpentane

Concen: 0.096 ppbv

RT: 7.301 min Scan# 1461

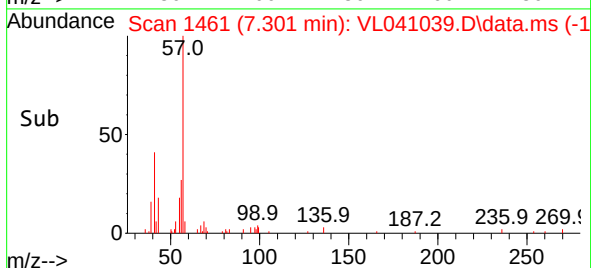
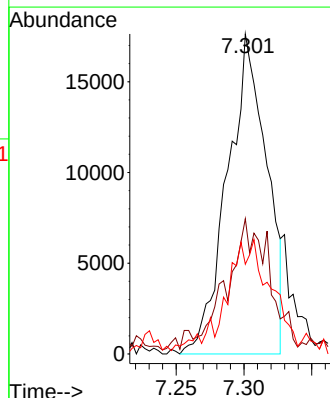
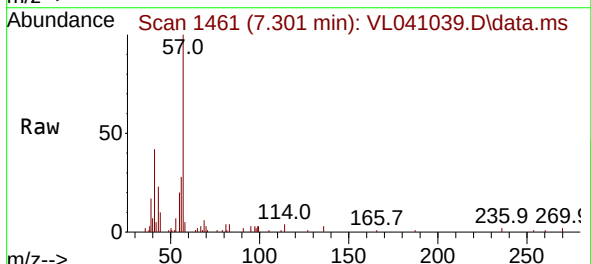
Delta R.T. 0.003 min

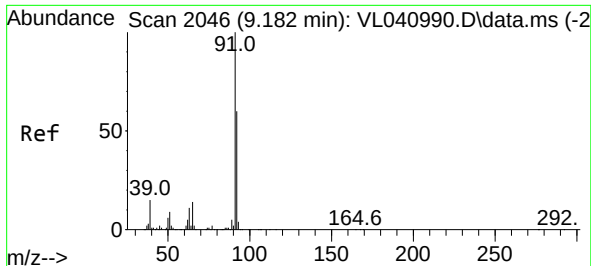
Lab File: VL041039.D

Acq: 7 Feb 2024 14:00

Tgt Ion: 57 Resp: 35464

Ion	Ratio	Lower	Upper
57	100		
41	56.3	28.6	43.0#
56	44.1	25.2	37.8#





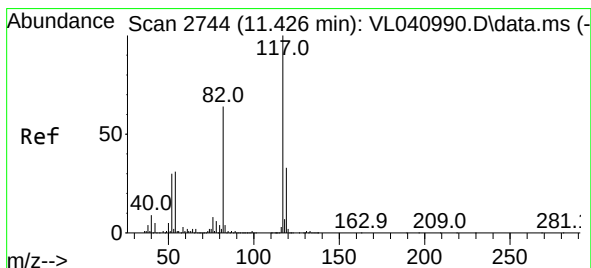
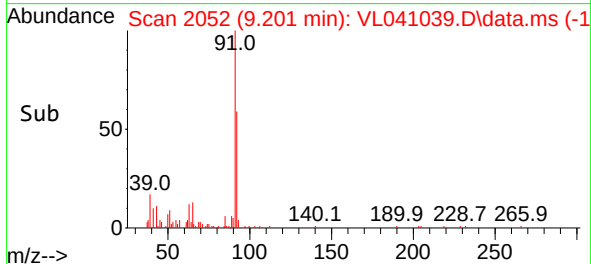
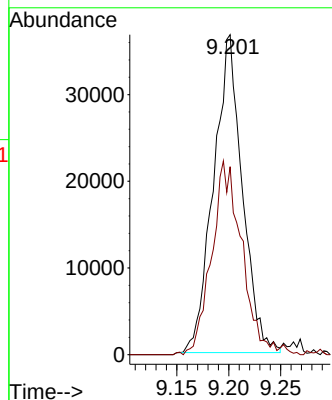
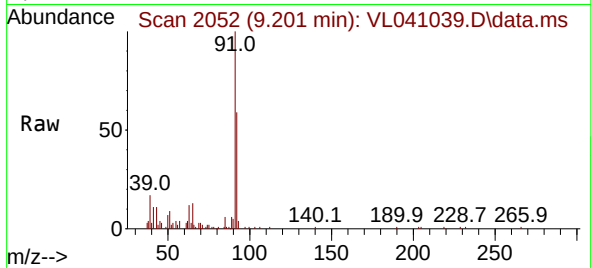
#53
Toluene
Concen: 0.293 ppbv
RT: 9.201 min Scan# 2046
Delta R.T. 0.006 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 7072
Ion Ratio Lower Upper
91 100
92 64.2 48.6 72.8

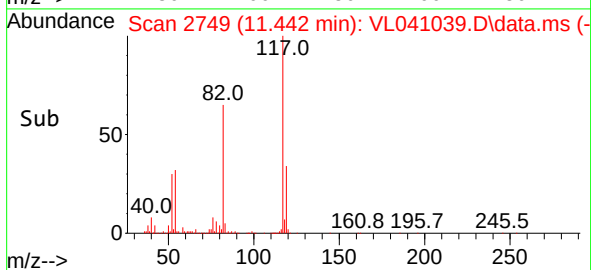
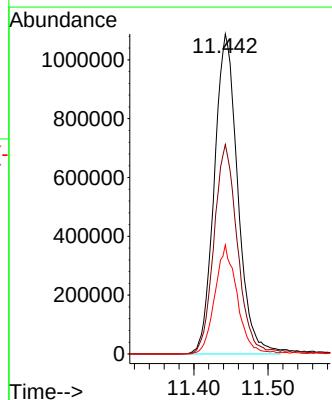
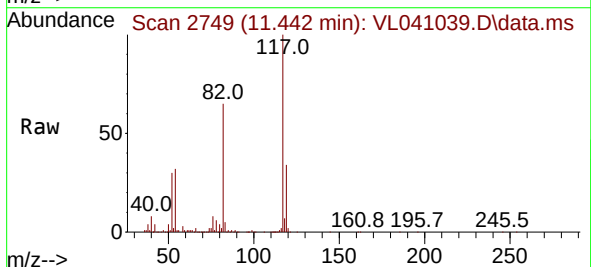
Manual Integrations
APPROVED

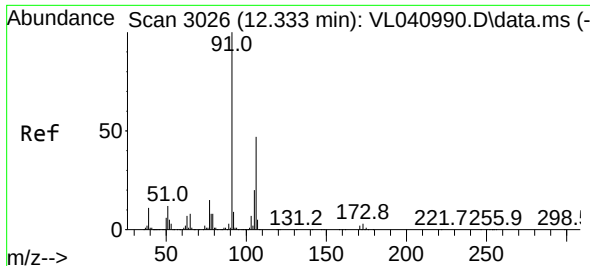
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2749
Delta R.T. 0.003 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00

Tgt Ion:117 Resp: 2388347
Ion Ratio Lower Upper
117 100
82 66.6 51.7 77.5
119 32.7 23.8 35.6





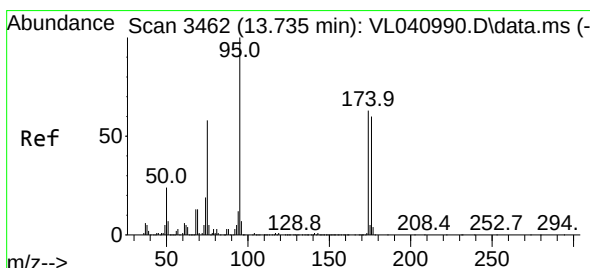
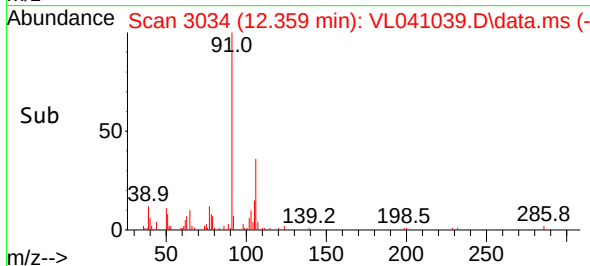
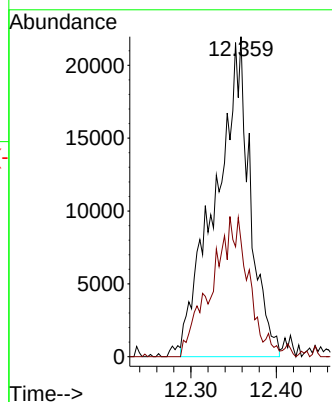
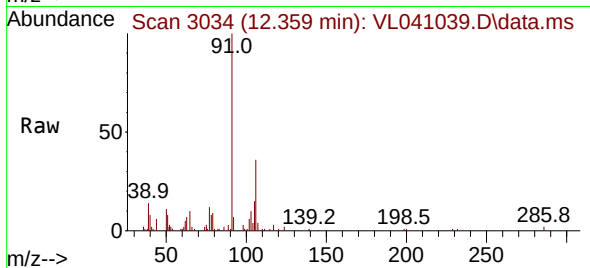
#59
m/p-Xylene
Concen: 0.219 ppbv m
RT: 12.359 min Scan# 3026
Delta R.T. 0.010 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 61329
Ion Ratio Lower Upper
91 100
106 0.0 34.9 52.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.418 ppbv
RT: 13.751 min Scan# 3467
Delta R.T. 0.003 min
Lab File: VL041039.D
Acq: 7 Feb 2024 14:00

Tgt Ion: 95 Resp: 1879284
Ion Ratio Lower Upper
95 100
174 60.5 49.1 73.7
175 4.5 3.7 5.5

