

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL041004.D
 Acq On : 23 Jan 2024 20:09
 Operator : SY/MD
 Sample : P1212-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

Quant Time: Jan 24 01:01:27 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 : Wed Jan 24 00:50:15 2024

Response via : Initial Calibration

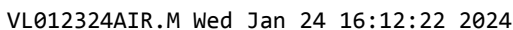
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

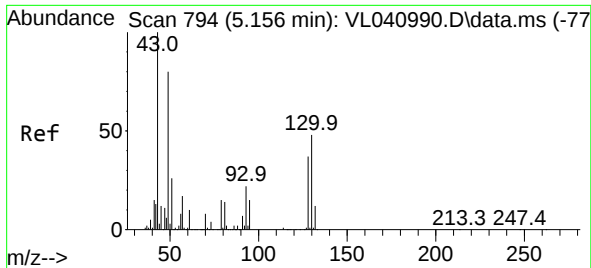
Internal Standards						
1) Bromochloromethane	5.156	49	978623	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.613	114	2481966	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.423	117	2103979	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.735	95	1566267	9.856	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.700	85	98939	0.458	ppbv	92
3) Chlorodifluoromethane	2.648	51	37393m	0.227	ppbv	
4) Chloromethane	2.787	50	32893	0.533	ppbv	98
9) Propene	2.674	41	73584m	1.363	ppbv	
11) Trichlorofluoromethane	3.533	101	39800	0.229	ppbv #	83
13) Ethanol	3.211	45	220734	17.155	ppbv	99
15) Acetone	3.436	43	530278	4.237	ppbv	97
20) Methylene Chloride	3.899	84	426148	8.849	ppbv	97
26) Hexane	5.176	57	340672	3.522	ppbv #	40
34) 2-Butanone	4.758	43	27511	0.233	ppbv	91
35) Carbon Tetrachloride	6.459	117	11483m	0.069	ppbv	
36) Benzene	6.336	78	56440	0.275	ppbv #	87
44) 2,2,4-Trimethylpentane	7.288	57	30166	0.087	ppbv #	75
52) Tetrachloroethene	10.568	164	2063m	0.030	ppbv	
53) Toluene	9.179	91	58116m	0.259	ppbv	
59) m/p-Xylene	12.298	91	28086m	0.114	ppbv	

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

Manual Integrations

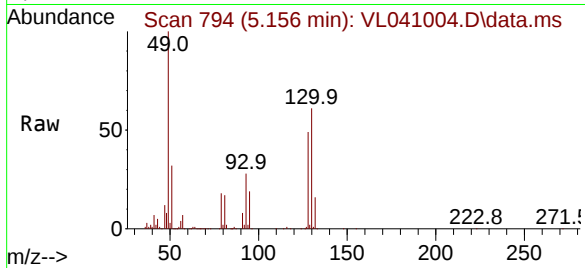
Quant Time: Jan 24 01:01:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jan 24 00:50:15 2024
Response via : Initial Calibration





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.156 min Scan# 794
 Delta R.T. 0.000 min
 Lab File: VL041004.D
 Acq: 23 Jan 2024 20:09

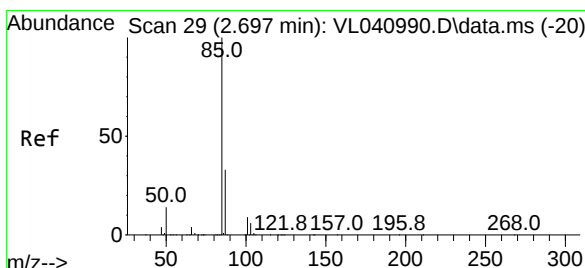
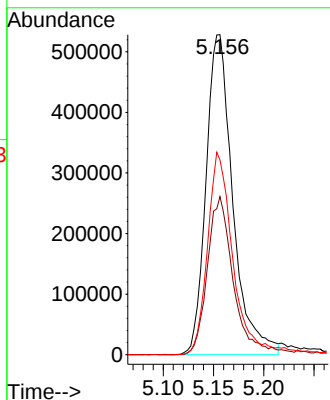
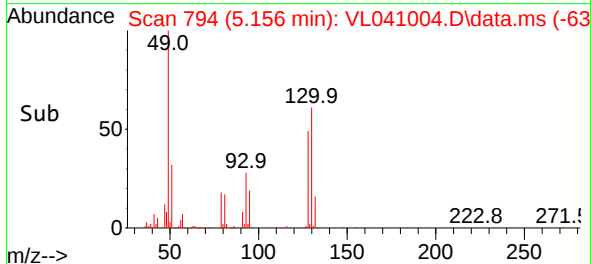
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



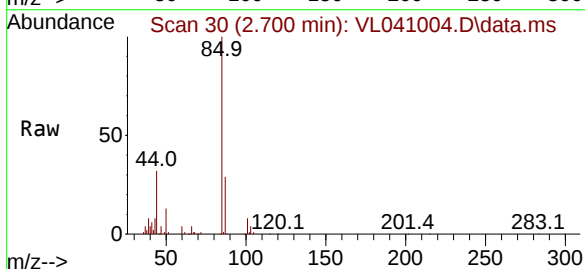
Tgt Ion: 49 Resp: 97862
 Ion Ratio Lower Upper
 49 100
 128 49.5 23.9 71.7
 130 62.1 31.1 93.5

Manual Integrations
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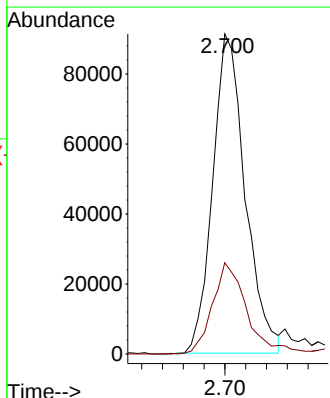
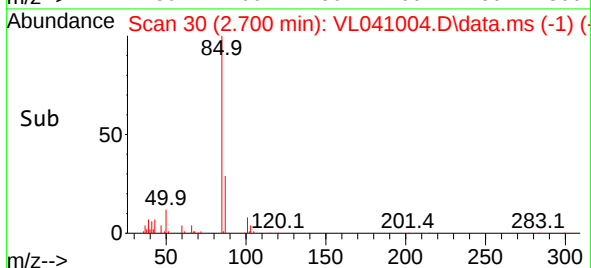
Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

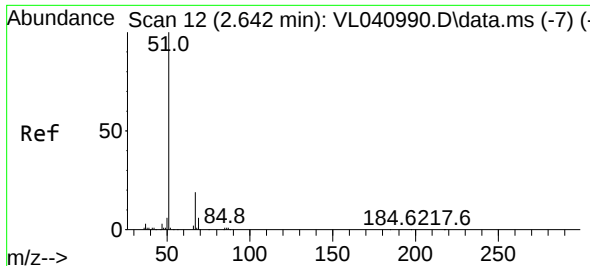


#2
 Dichlorodifluoromethane
 Concen: 0.458 ppbv
 RT: 2.700 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL041004.D
 Acq: 23 Jan 2024 20:09



Tgt Ion: 85 Resp: 98939
 Ion Ratio Lower Upper
 85 100
 87 28.6 26.3 39.5





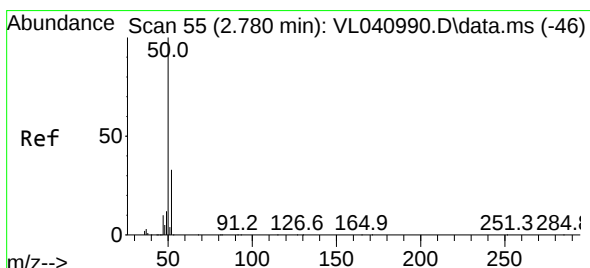
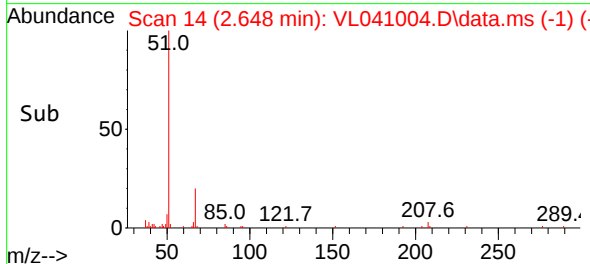
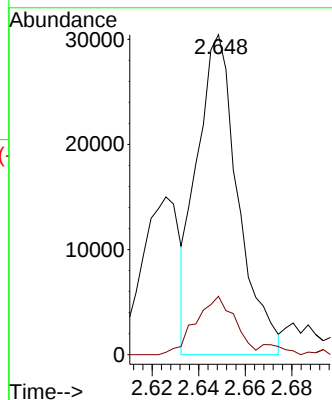
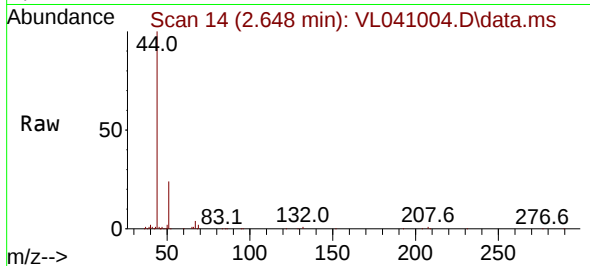
#3
Chlorodifluoromethane
Concen: 0.227 ppbv
RT: 2.648 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 3739
Ion Ratio Lower Upper
51 100
67 19.1 14.8 22.2

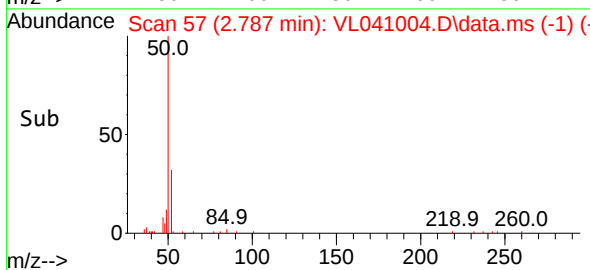
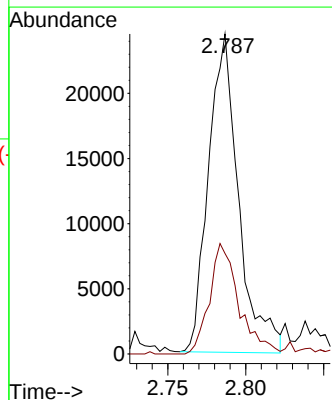
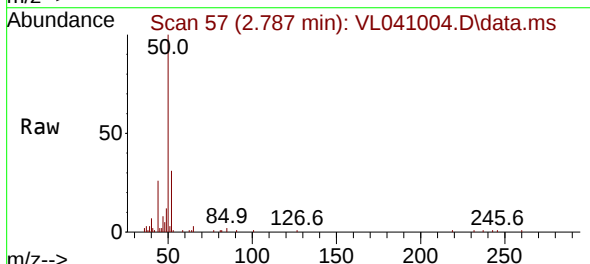
Manual Integrations
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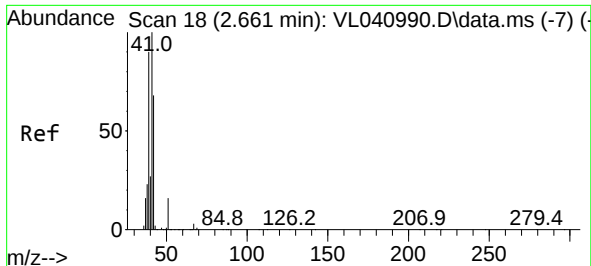
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#4
Chloromethane
Concen: 0.533 ppbv
RT: 2.787 min Scan# 57
Delta R.T. 0.006 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

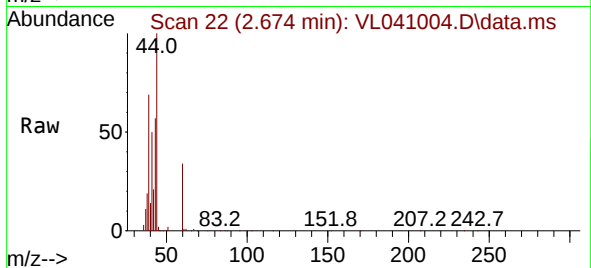
Tgt Ion: 50 Resp: 32893
Ion Ratio Lower Upper
50 100
52 31.6 26.2 39.4





#9
Propene
Concen: 1.363 ppbv m
RT: 2.674 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

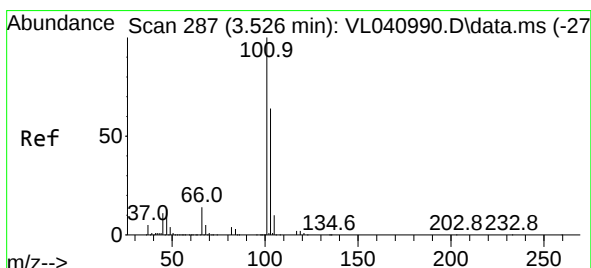
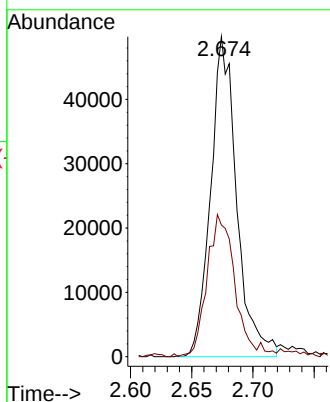
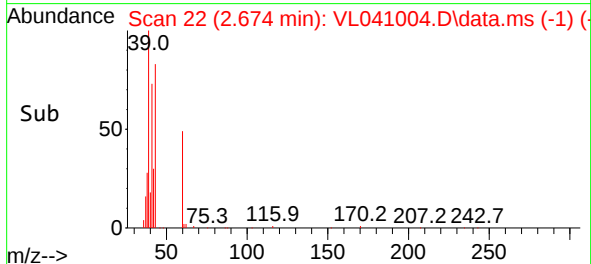
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 41 Resp: 73584
Ion Ratio Lower Upper
41 100
42 61.5 59.0 88.4

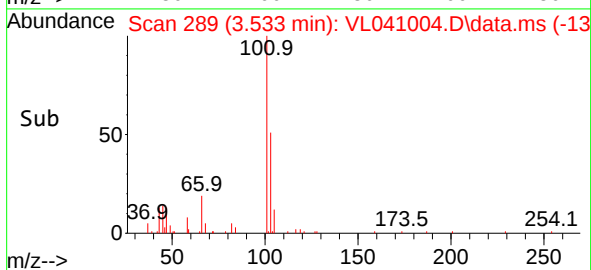
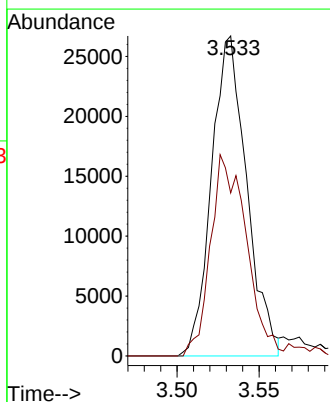
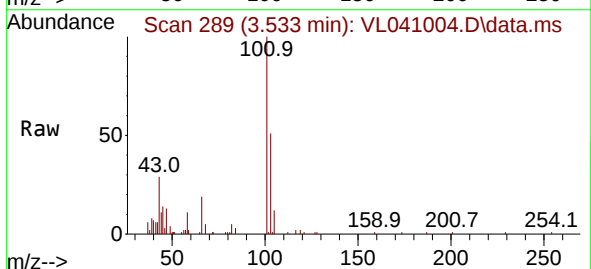
Manual Integrations
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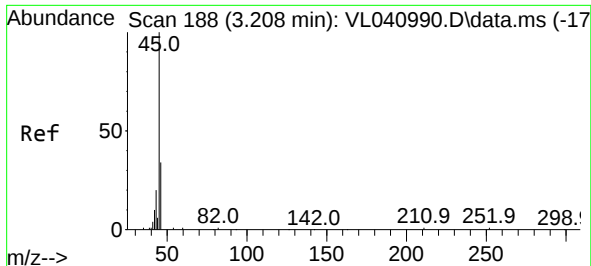
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#11
Trichlorofluoromethane
Concen: 0.229 ppbv
RT: 3.533 min Scan# 289
Delta R.T. 0.006 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

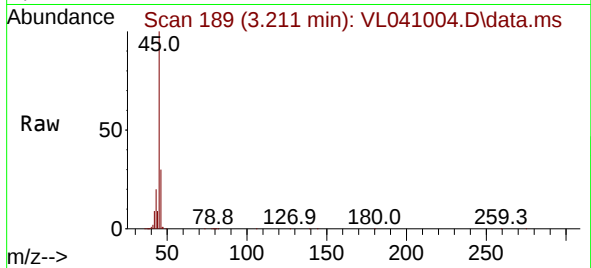
Tgt Ion:101 Resp: 39800
Ion Ratio Lower Upper
101 100
103 51.0 51.4 77.2#





#13
Ethanol
Concen: 17.155 ppbv
RT: 3.211 min Scan# 189
Delta R.T. 0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

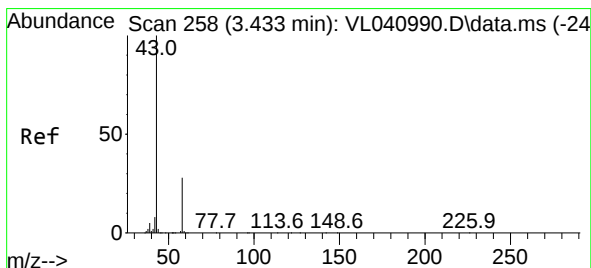
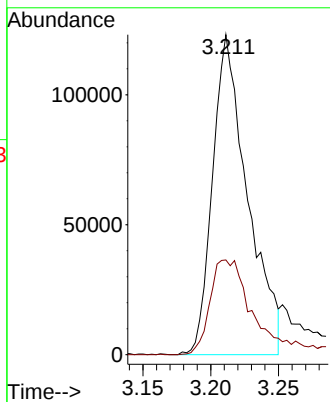
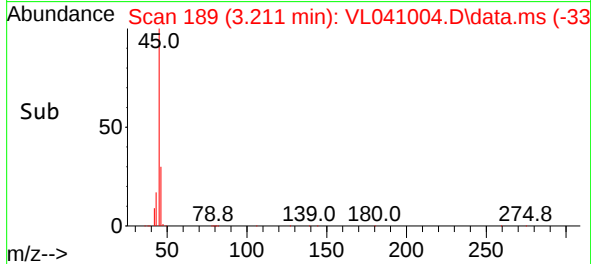
Instrument :
MSVOA_L
ClientSampleId :
OA1



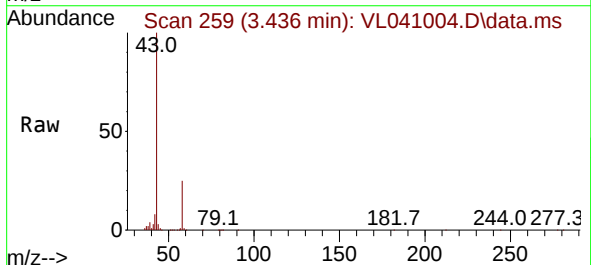
Tgt Ion: 45 Resp: 220734
Ion Ratio Lower Upper
45 100
46 40.1 16.2 64.8

Manual Integrations
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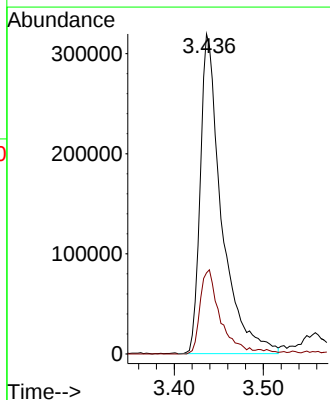
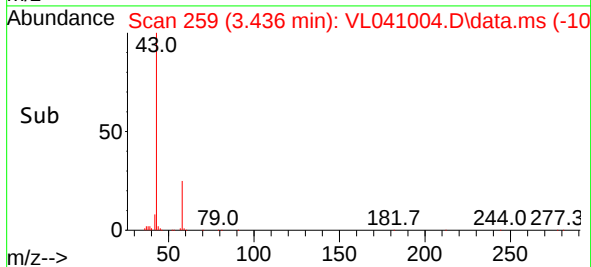
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

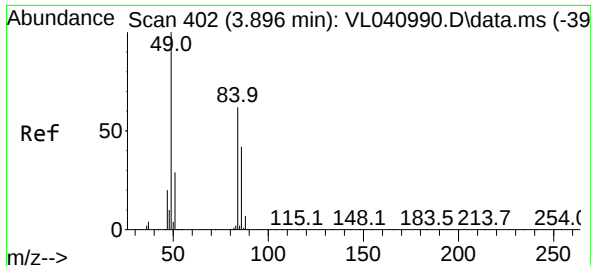


#15
Acetone
Concen: 4.237 ppbv
RT: 3.436 min Scan# 259
Delta R.T. 0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09



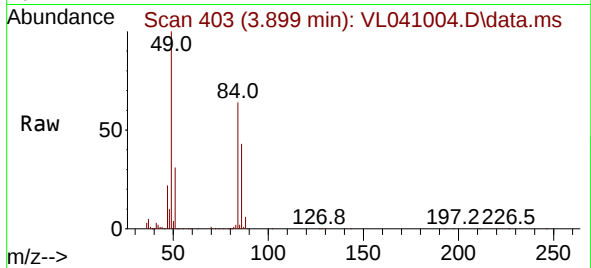
Tgt Ion: 43 Resp: 530278
Ion Ratio Lower Upper
43 100
58 26.3 22.2 33.2





#20
Methylene Chloride
Concen: 8.849 ppbv
RT: 3.899 min Scan# 402
Delta R.T. 0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

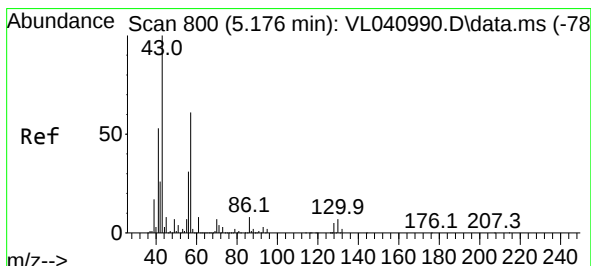
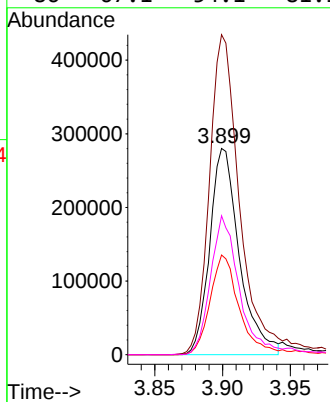
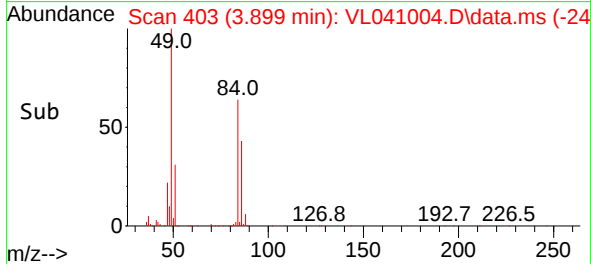
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 84 Resp: 426148
Ion Ratio Lower Upper
84 100
49 154.9 128.1 192.1
51 48.4 36.5 54.7
86 67.1 54.1 81.1

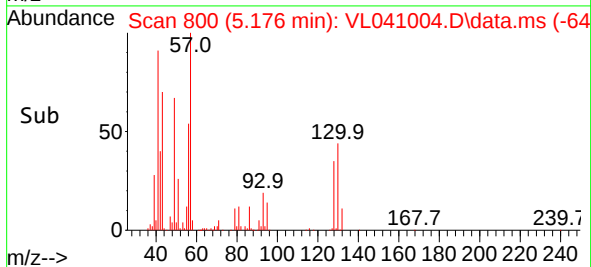
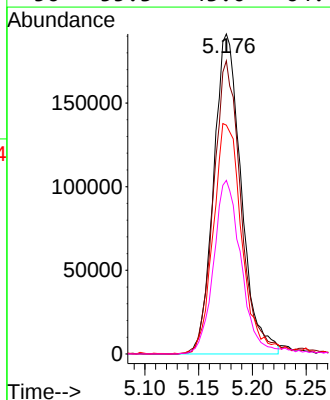
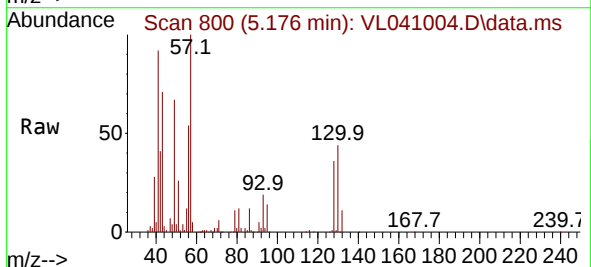
Manual Integrations
APPROVED

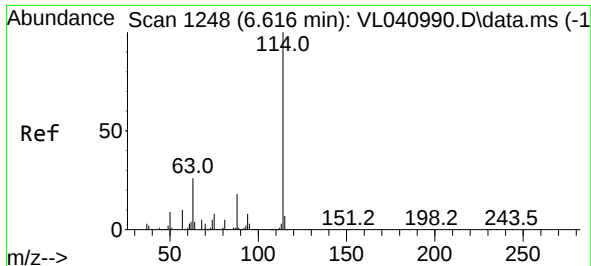
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#26
Hexane
Concen: 3.522 ppbv
RT: 5.176 min Scan# 800
Delta R.T. -0.000 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion: 57 Resp: 340672
Ion Ratio Lower Upper
57 100
41 93.1 74.4 111.6
43 75.7 190.6 285.8#
56 55.3 43.0 64.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.613 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL041004.D

Acq: 23 Jan 2024 20:09

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:114 Resp: 248196

Ion Ratio Lower Upper

114 100

63 25.8 20.8 31.2

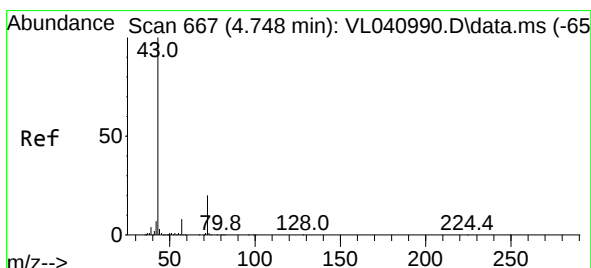
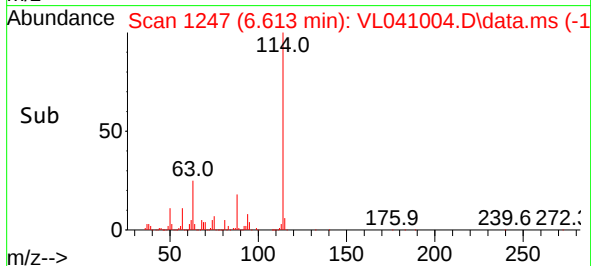
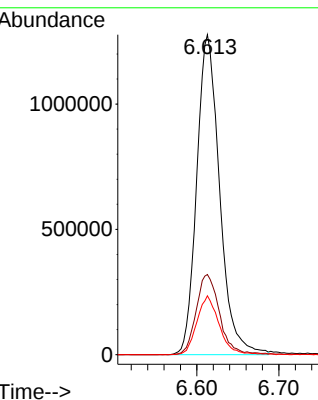
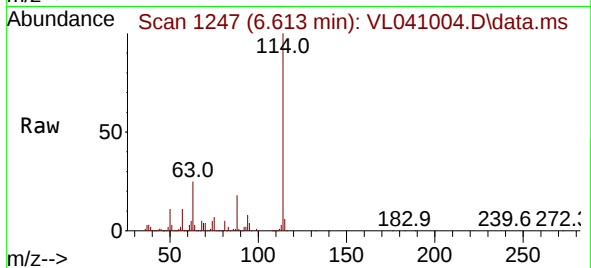
88 17.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024

Supervised By :Mahesh Dadoda 01/24/2024



#34

2-Butanone

Concen: 0.233 ppbv

RT: 4.758 min Scan# 670

Delta R.T. 0.010 min

Lab File: VL041004.D

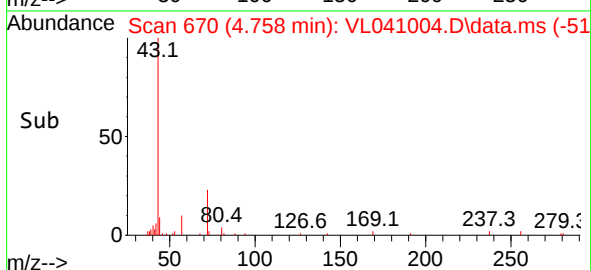
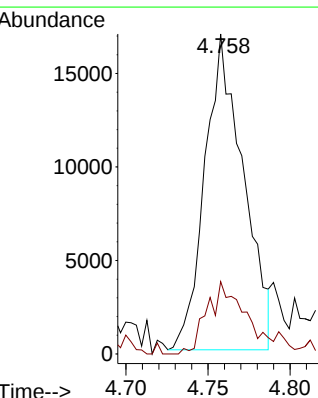
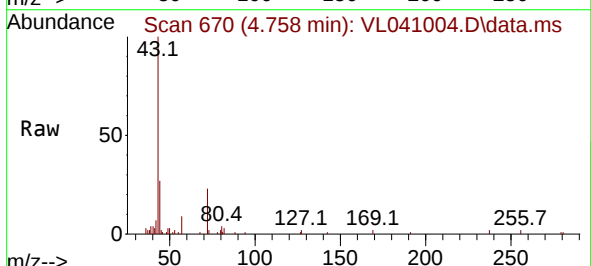
Acq: 23 Jan 2024 20:09

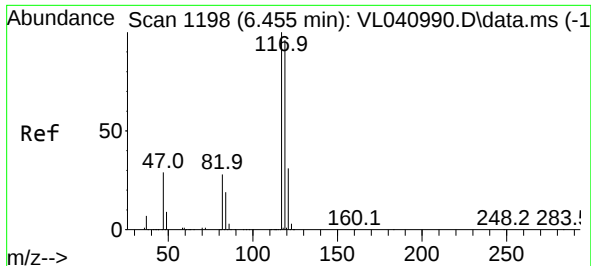
Tgt Ion: 43 Resp: 27511

Ion Ratio Lower Upper

43 100

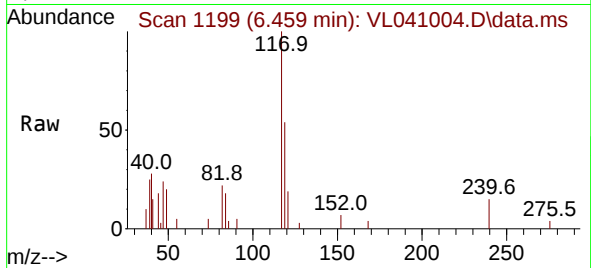
72 26.1 17.5 26.3





#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 6.459 min Scan# 1198
Delta R.T. 0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

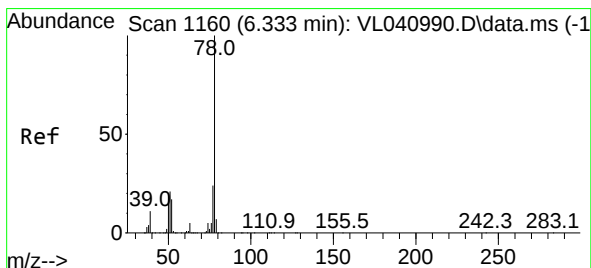
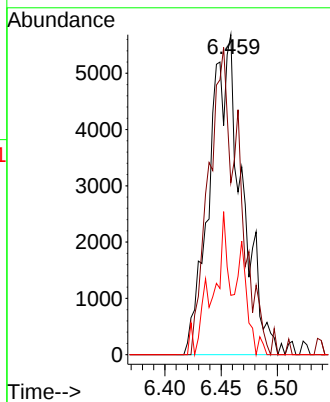
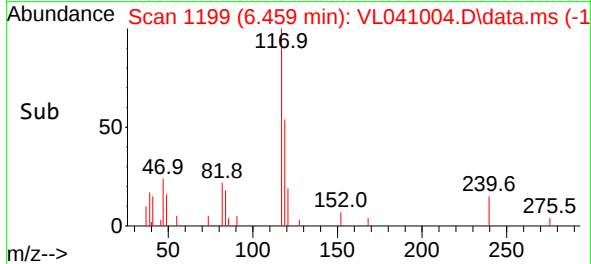
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 117 Resp: 1148
Ion Ratio Lower Upper
117 100
119 53.7 76.9 115.3
121 18.6 24.7 37.1

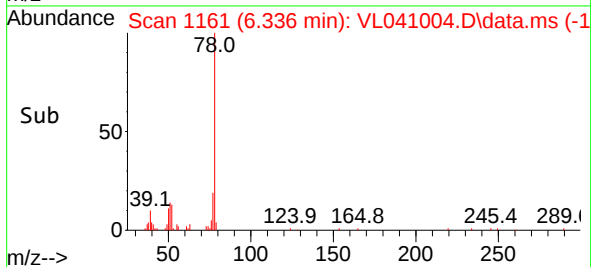
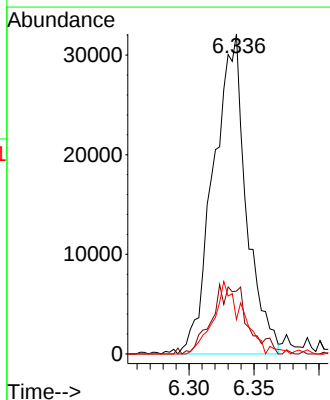
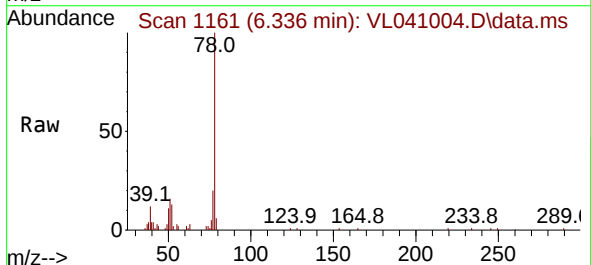
Manual Integrations
APPROVED

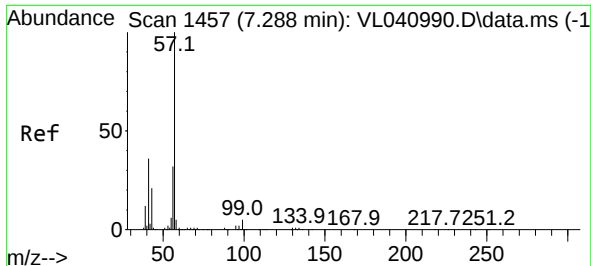
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#36
Benzene
Concen: 0.275 ppbv
RT: 6.336 min Scan# 1161
Delta R.T. 0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion: 78 Resp: 56440
Ion Ratio Lower Upper
78 100
77 19.6 19.0 28.4
50 10.7 15.8 23.6





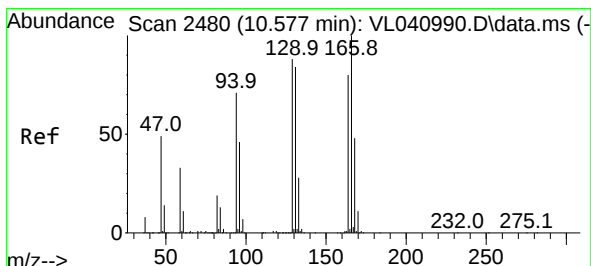
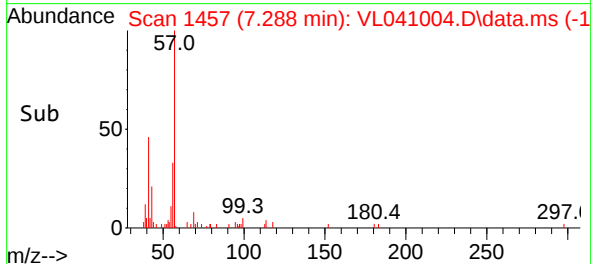
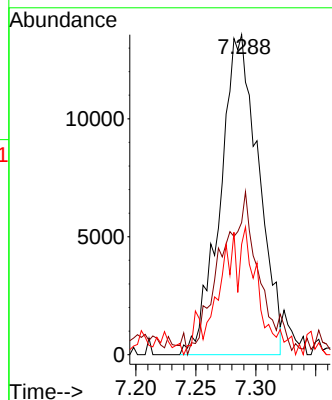
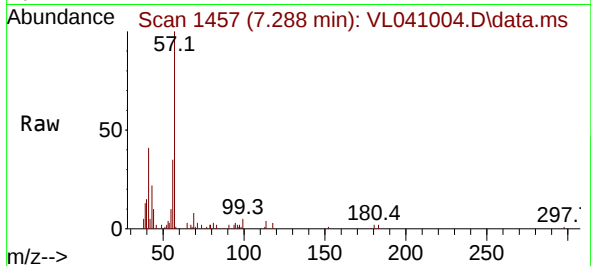
#44
2,2,4-Trimethylpentane
Concen: 0.087 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 57 Resp: 3016
Ion Ratio Lower Upper
57 100
41 56.3 28.6 43.0#
56 39.0 25.2 37.8#

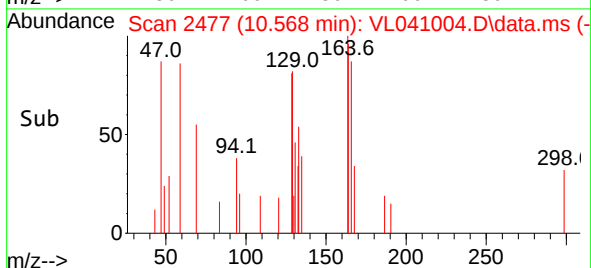
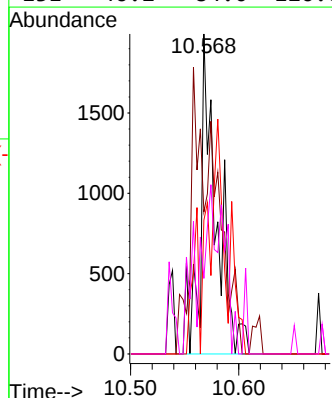
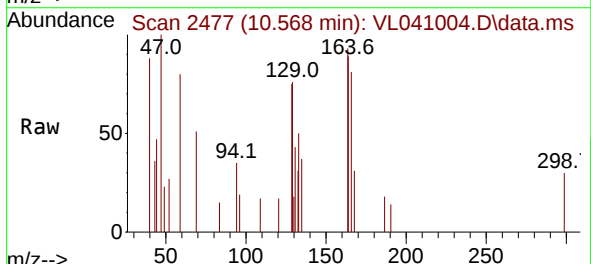
Manual Integrations
APPROVED

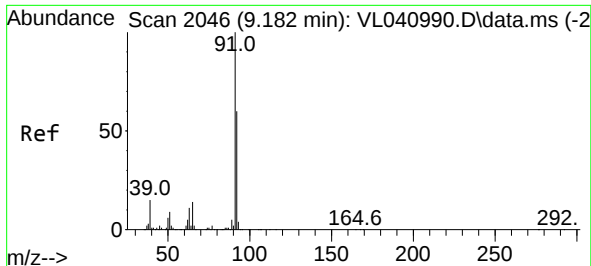
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#52
Tetrachloroethene
Concen: 0.030 ppbv m
RT: 10.568 min Scan# 2477
Delta R.T. -0.010 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion:164 Resp: 2063
Ion Ratio Lower Upper
164 100
166 86.8 100.2 150.2#
129 81.8 87.9 131.9#
131 46.2 84.0 126.0#





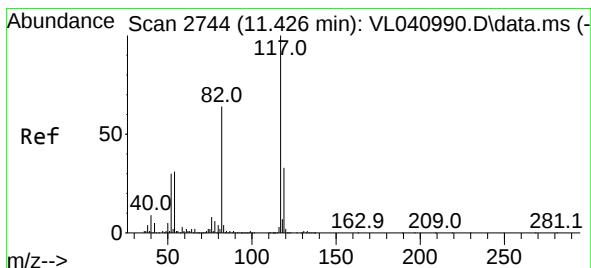
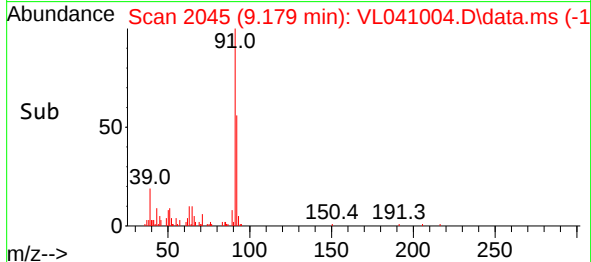
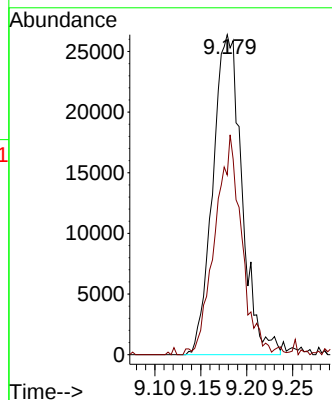
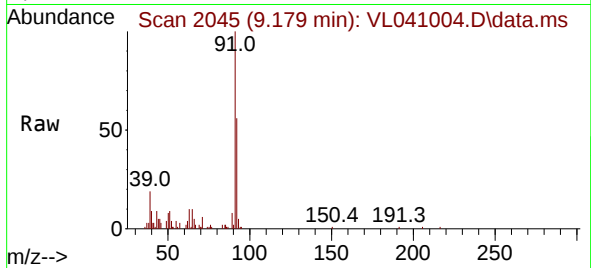
#53
Toluene
Concen: 0.259 ppbv m
RT: 9.179 min Scan# 2046
Delta R.T. -0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 58110
Ion Ratio Lower Upper
91 100
92 0.0 48.6 72.8

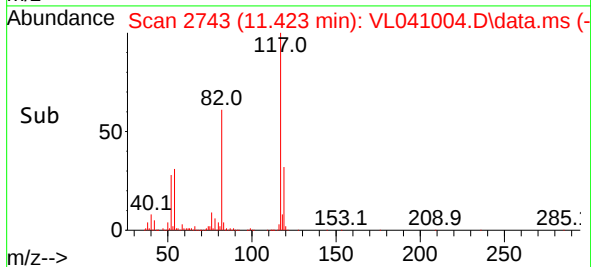
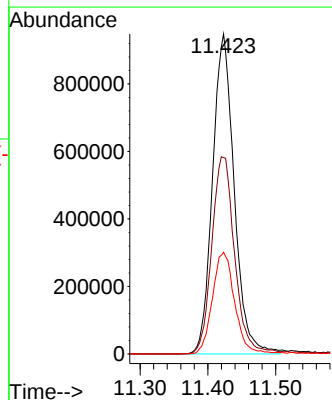
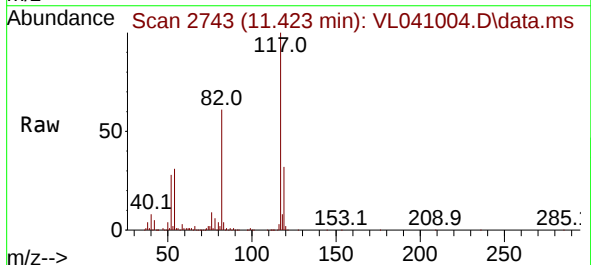
Manual Integrations
APPROVED

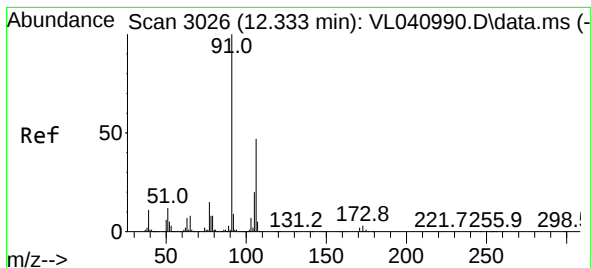
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.423 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion:117 Resp: 2103979
Ion Ratio Lower Upper
117 100
82 65.6 51.7 77.5
119 33.1 23.8 35.6





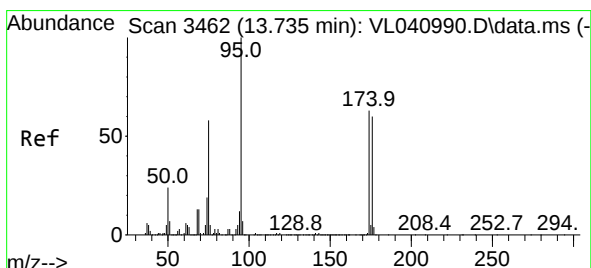
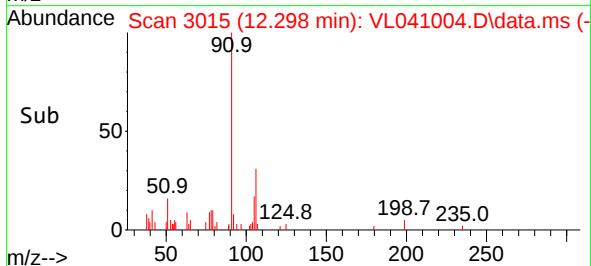
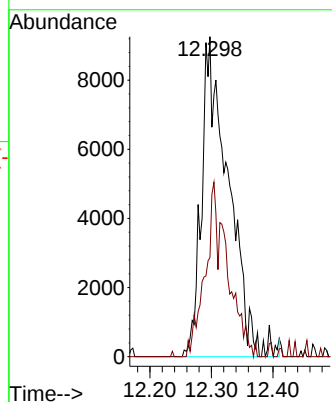
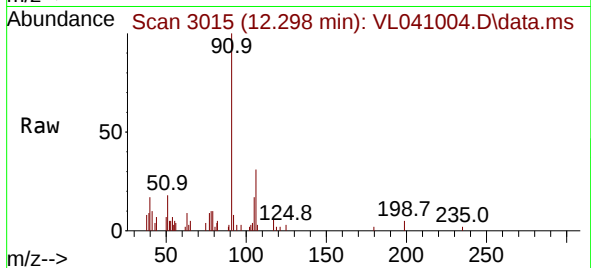
#59
m/p-Xylene
Concen: 0.114 ppbv m
RT: 12.298 min Scan# 3026
Delta R.T. -0.035 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 2808
Ion Ratio Lower Upper
91 100
106 0.0 34.9 52.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.856 ppbv
RT: 13.735 min Scan# 3462
Delta R.T. -0.000 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion: 95 Resp: 1566267
Ion Ratio Lower Upper
95 100
174 61.1 49.1 73.7
175 4.8 3.7 5.5

