

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
 Data File : VL041041.D
 Acq On : 7 Feb 2024 15:21
 Operator : SY/MD
 Sample : P1393-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1DUP

Manual Integrations
 APPROVED

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

Quant Time: Feb 08 02:44:34 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	1018204	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	2574254	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2290942	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1758480	10.162	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	110008	0.489	ppbv	99
3) Chlorodifluoromethane	2.655	51	52183m	0.305	ppbv	
4) Chloromethane	2.796	50	33706	0.525	ppbv	99
10) Heptane	7.561	43	20516	0.148	ppbv	97
11) Trichlorofluoromethane	3.542	101	43353	0.239	ppbv	96
13) Ethanol	3.221	45	192194	14.356	ppbv	94
15) Acetone	3.452	43	474642	3.645	ppbv	97
20) Methylene Chloride	3.915	84	859863	17.162	ppbv	91
26) Hexane	5.192	57	753386	7.486	ppbv #	39
34) 2-Butanone	4.777	43	29416m	0.240	ppbv	
35) Carbon Tetrachloride	6.478	117	11578m	0.067	ppbv	
36) Benzene	6.346	78	30109	0.142	ppbv #	92
44) 2,2,4-Trimethylpentane	7.307	57	38050m	0.106	ppbv	
53) Toluene	9.198	91	85180	0.366	ppbv	98
59) m/p-Xylene	12.349	91	85981m	0.321	ppbv	

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

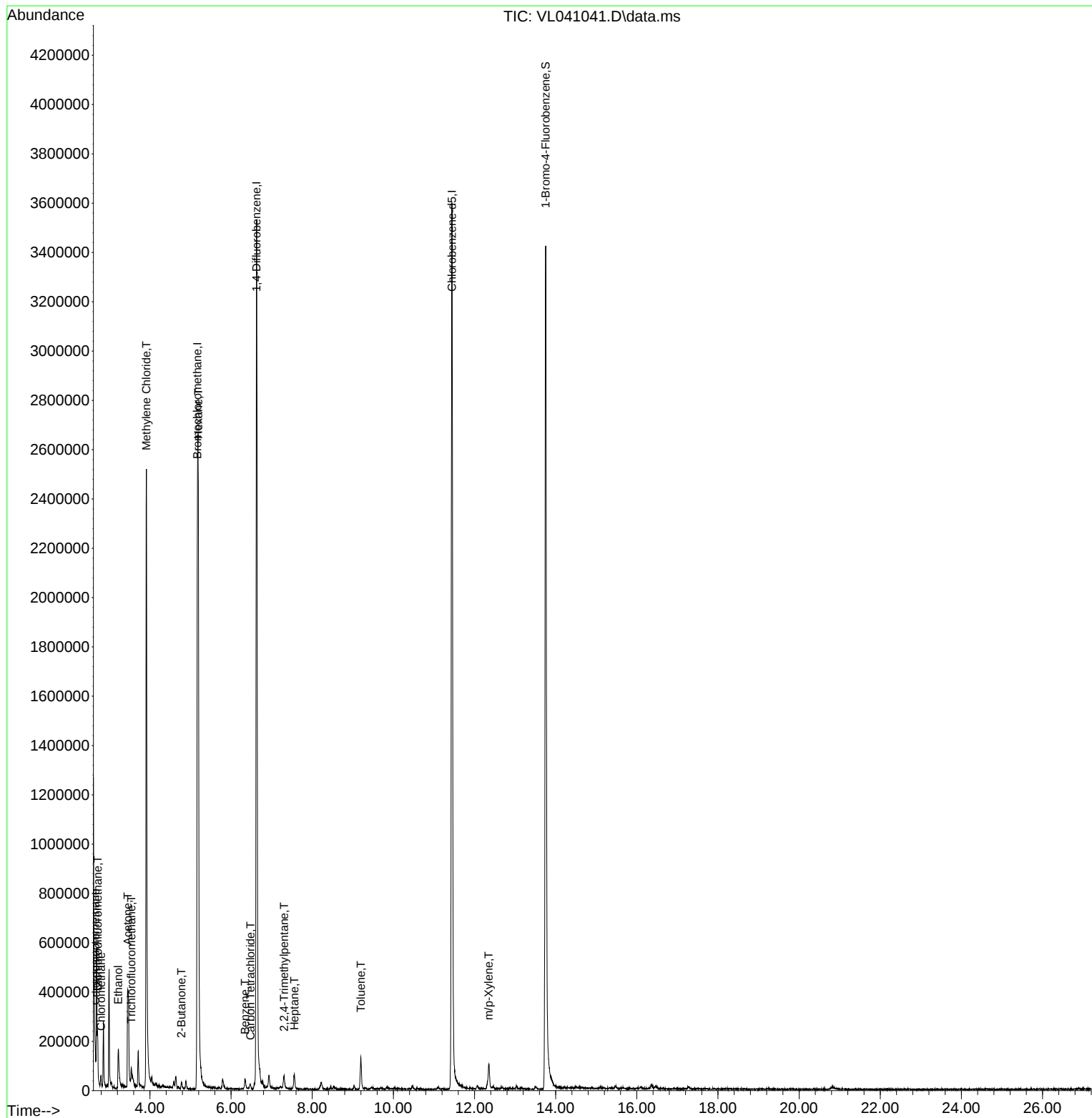
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
Data File : VL041041.D
Acq On : 7 Feb 2024 15:21
Operator : SY/MD
Sample : P1393-03DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

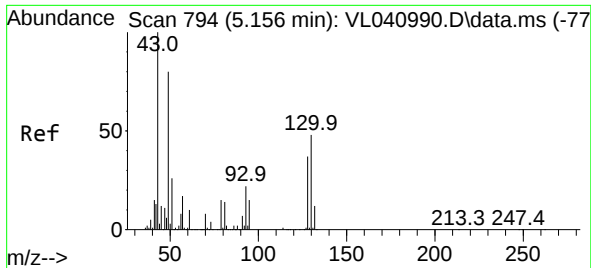
Instrument :
MSVOA_L
ClientSampleId :
OA-1DUP

Quant Time: Feb 08 02:44:34 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
Response via : Initial Calibration

Manual Integrations
APPROVED

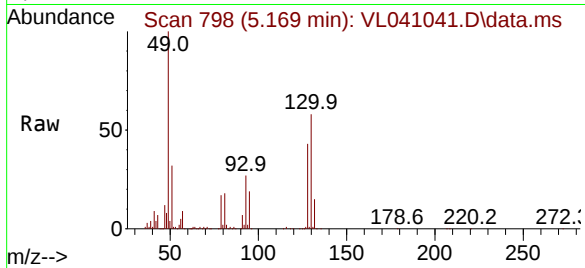
Reviewed By : Semsettin Yesilyurt 02/08/2024
Supervised By : Mahesh Dadoda 02/08/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 794
Delta R.T. 0.003 min
Lab File: VL041041.D
Acq: 7 Feb 2024 15:21

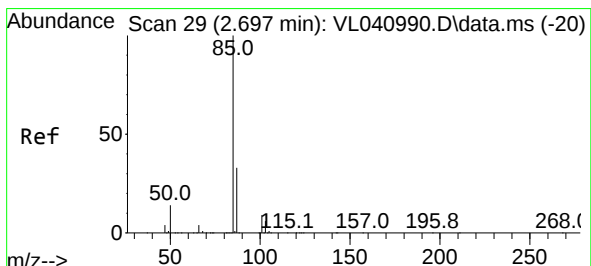
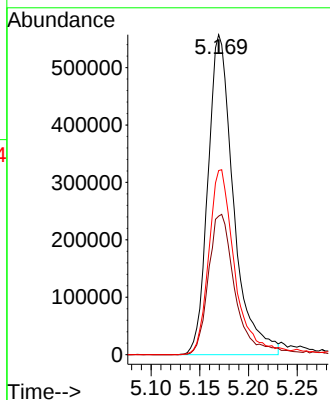
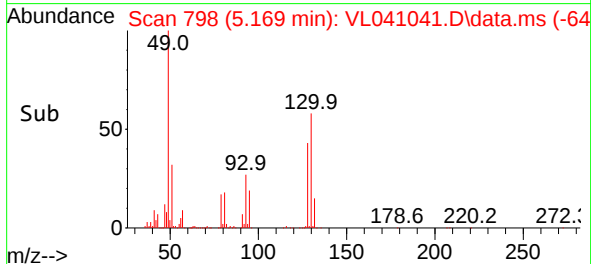
Instrument :
MSVOA_L
ClientSampleId :
OA-1DUP



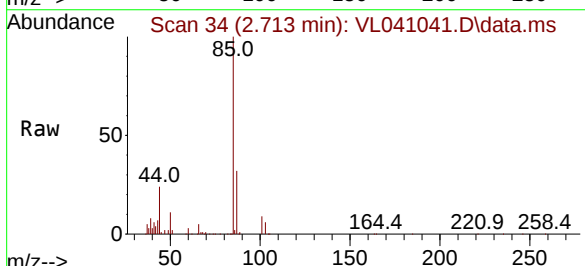
Tgt Ion: 49 Resp: 1018204
Ion Ratio Lower Upper
49 100
128 47.0 23.9 71.7
130 60.5 31.1 93.5

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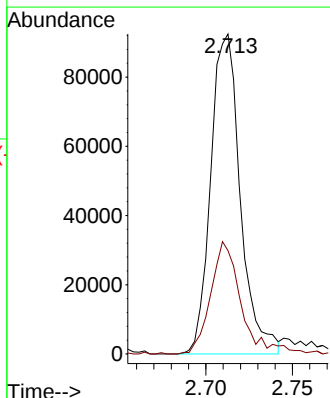
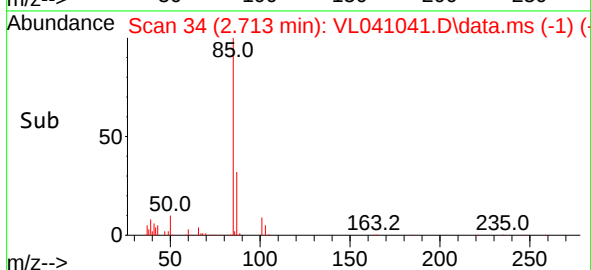
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

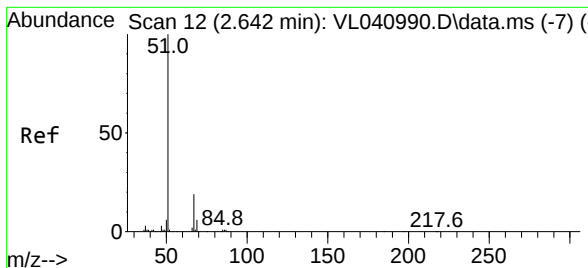


#2
Dichlorodifluoromethane
Concen: 0.489 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.010 min
Lab File: VL041041.D
Acq: 7 Feb 2024 15:21



Tgt Ion: 85 Resp: 110008
Ion Ratio Lower Upper
85 100
87 32.3 26.3 39.5





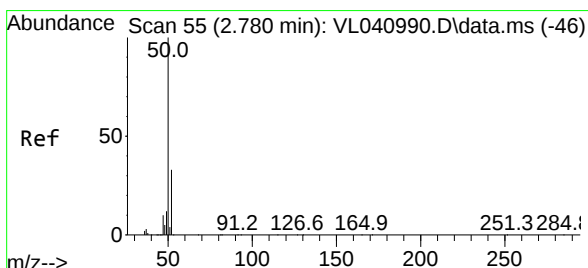
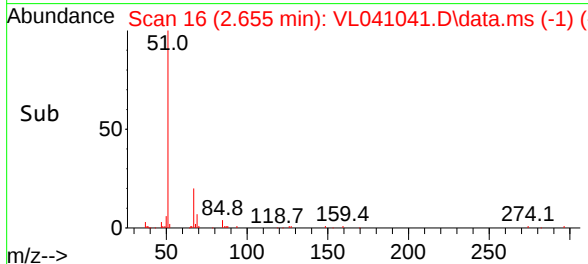
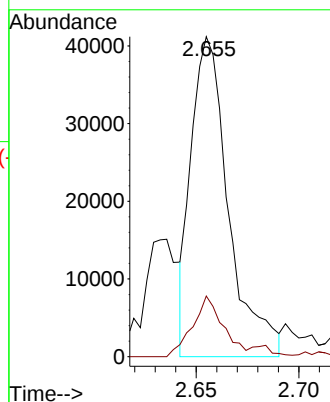
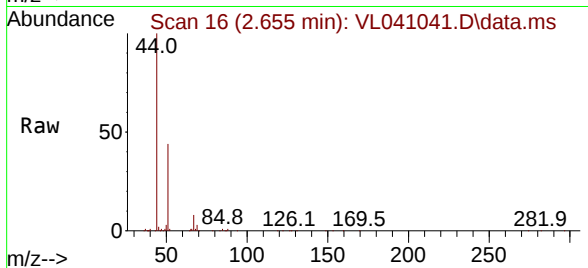
#3
Chlorodifluoromethane
Concen: 0.305 ppbv m
RT: 2.655 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL041041.D
Acq: 7 Feb 2024 15:21

Instrument :
MSVOA_L
ClientSampleId :
OA-1DUP

Tgt Ion: 51 Resp: 5218
Ion Ratio Lower Upper
51 100
67 18.8 14.8 22.2

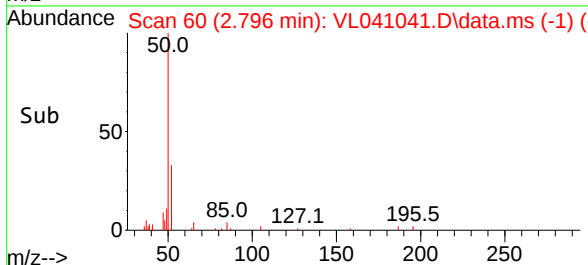
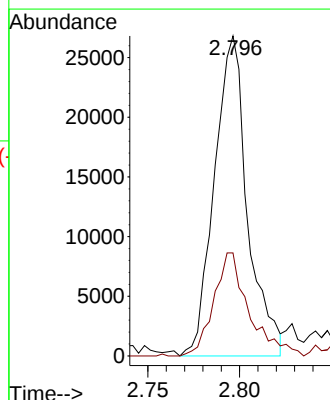
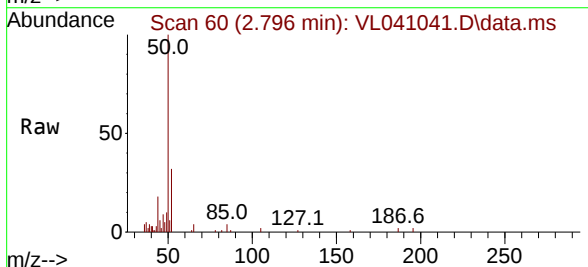
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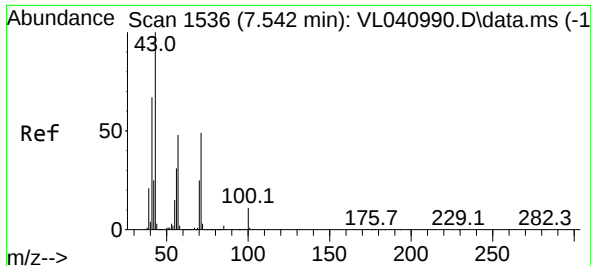
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#4
Chloromethane
Concen: 0.525 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.010 min
Lab File: VL041041.D
Acq: 7 Feb 2024 15:21

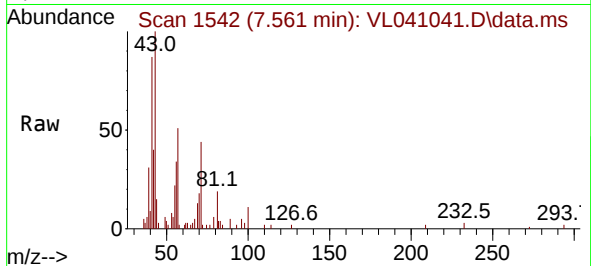
Tgt Ion: 50 Resp: 33706
Ion Ratio Lower Upper
50 100
52 32.2 26.2 39.4





#10
Heptane
Concen: 0.148 ppbv
RT: 7.561 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041041.D
Acq: 7 Feb 2024 15:21

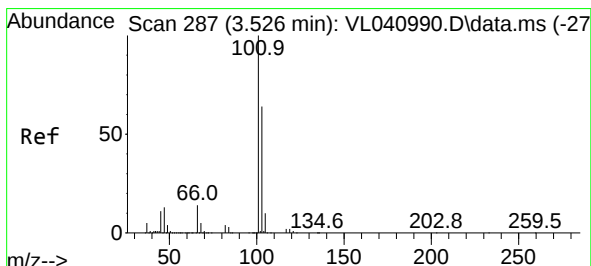
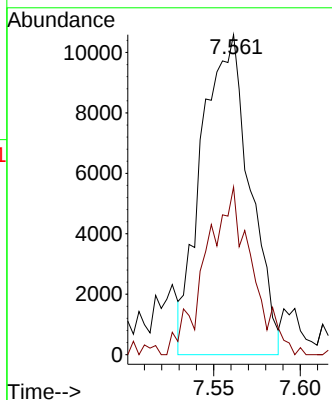
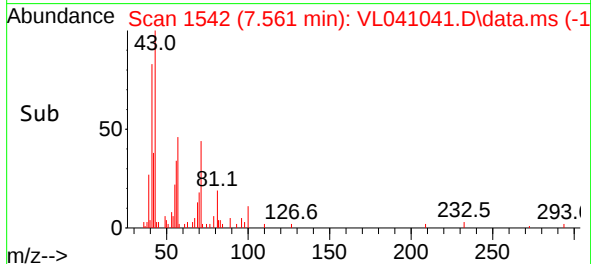
Instrument :
MSVOA_L
ClientSampleId :
OA-1DUP



Tgt Ion: 43 Resp: 20510
Ion Ratio Lower Upper
43 100
57 51.6 39.4 59.2

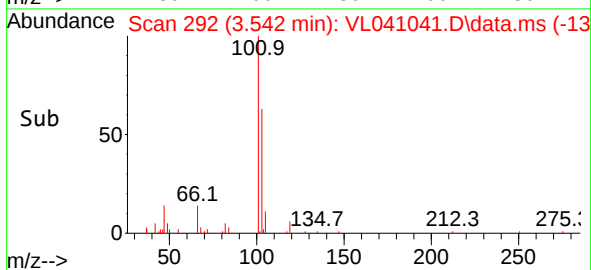
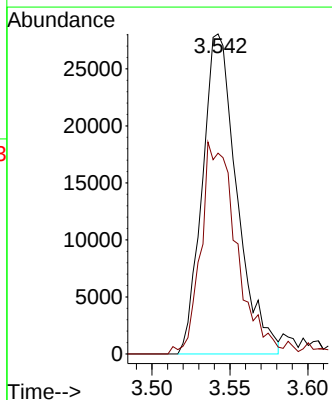
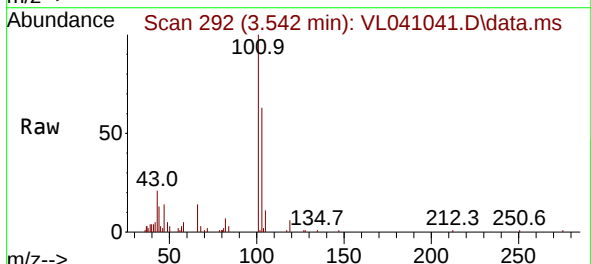
Manual Integrations
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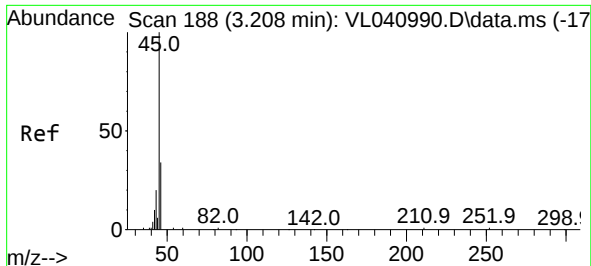
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#11
Trichlorofluoromethane
Concen: 0.239 ppbv
RT: 3.542 min Scan# 292
Delta R.T. 0.010 min
Lab File: VL041041.D
Acq: 7 Feb 2024 15:21

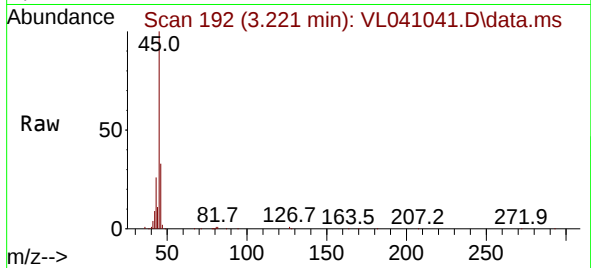
Tgt Ion:101 Resp: 43353
Ion Ratio Lower Upper
101 100
103 61.4 51.4 77.2





#13
Ethanol
Concen: 14.356 ppbv
RT: 3.221 min Scan# 192
Delta R.T. 0.007 min
Lab File: VL041041.D
Acq: 7 Feb 2024 15:21

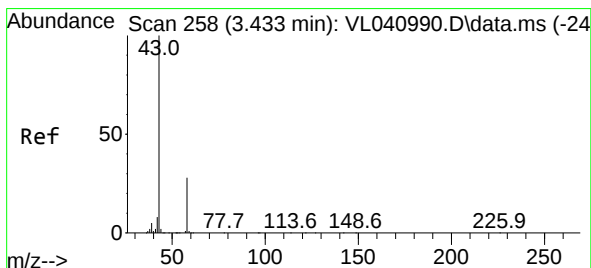
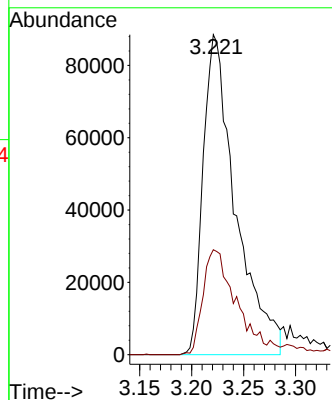
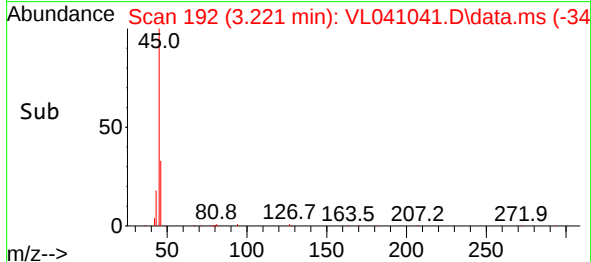
Instrument :
MSVOA_L
ClientSampleId :
OA-1DUP



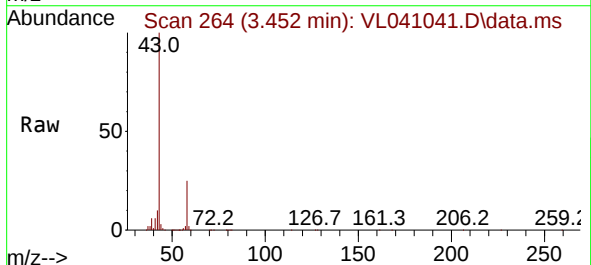
Tgt Ion: 45 Resp: 192194
Ion Ratio Lower Upper
45 100
46 36.9 16.2 64.8

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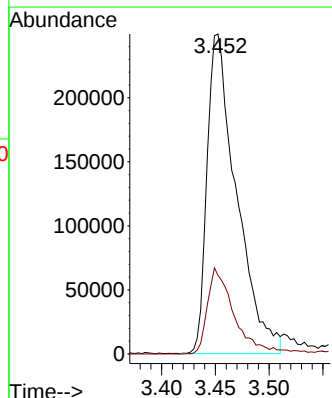
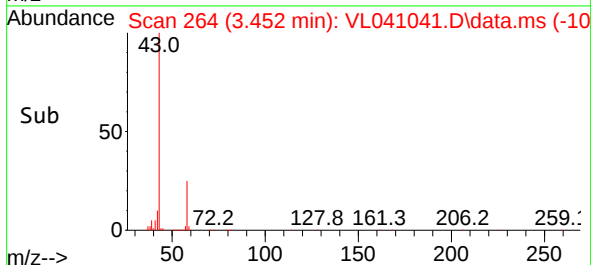
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

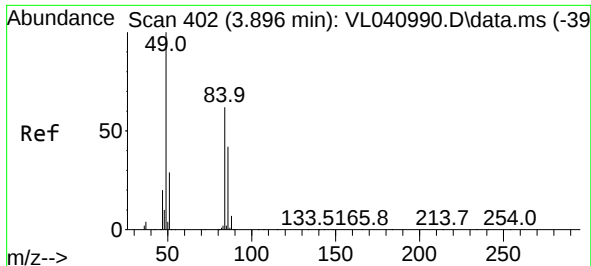


#15
Acetone
Concen: 3.645 ppbv
RT: 3.452 min Scan# 264
Delta R.T. 0.013 min
Lab File: VL041041.D
Acq: 7 Feb 2024 15:21



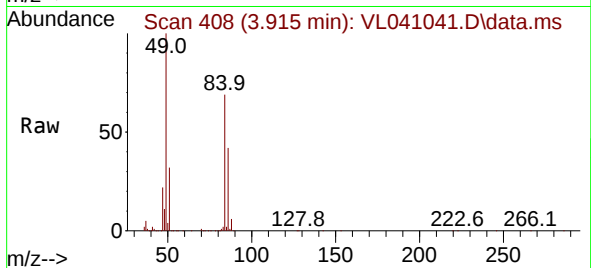
Tgt Ion: 43 Resp: 474642
Ion Ratio Lower Upper
43 100
58 26.1 22.2 33.2





#20
Methylene Chloride
Concen: 17.162 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.010 min
Lab File: VL041041.D
Acq: 7 Feb 2024 15:21

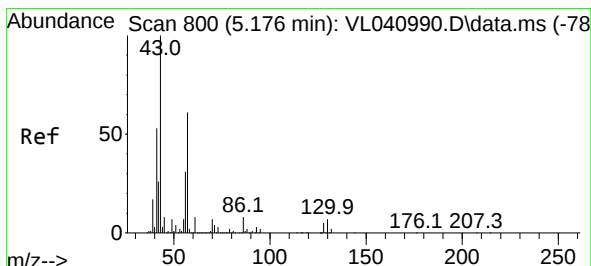
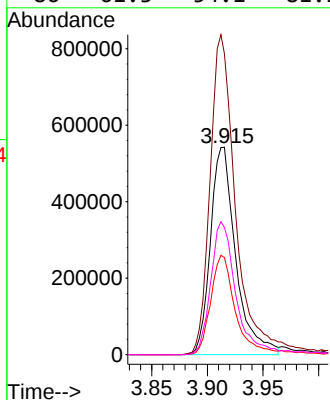
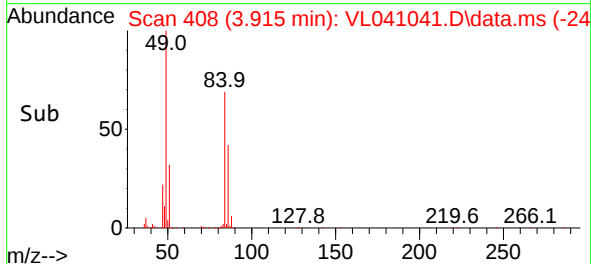
Instrument :
MSVOA_L
ClientSampleId :
OA-1DUP



Tgt Ion: 84 Resp: 85986
Ion Ratio Lower Upper
84 100
49 145.1 128.1 192.1
51 46.9 36.5 54.7
86 61.3 54.1 81.1

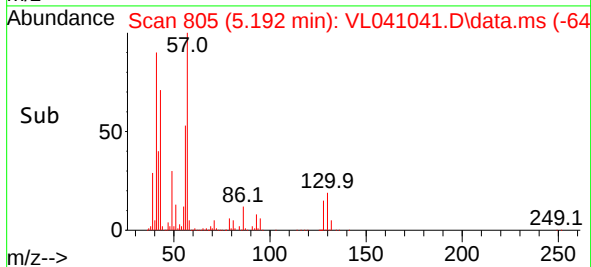
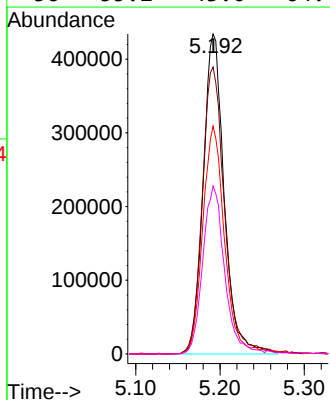
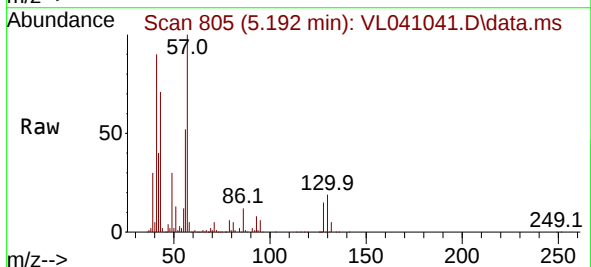
Manual Integrations
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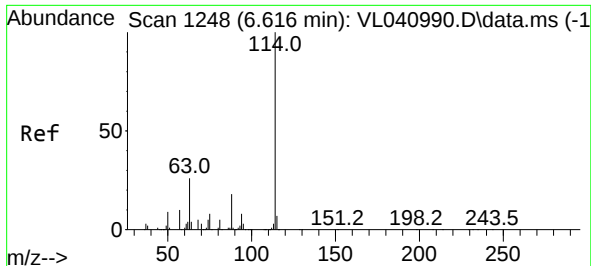
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#26
Hexane
Concen: 7.486 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.007 min
Lab File: VL041041.D
Acq: 7 Feb 2024 15:21

Tgt Ion: 57 Resp: 753386
Ion Ratio Lower Upper
57 100
41 96.0 74.4 111.6
43 74.8 190.6 285.8#
56 55.2 43.0 64.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.629 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL041041.D

Acq: 7 Feb 2024 15:21

Instrument :

MSVOA_L

ClientSampleId :

OA-1DUP

Tgt Ion:114 Resp: 2574254

Ion Ratio Lower Upper

114 100

63 26.2 20.8 31.2

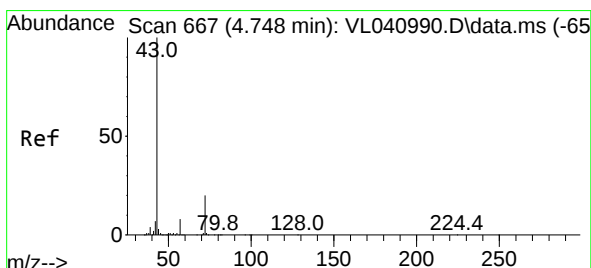
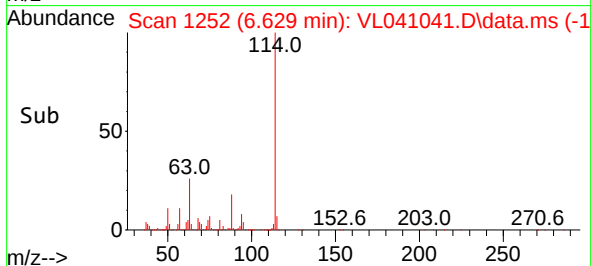
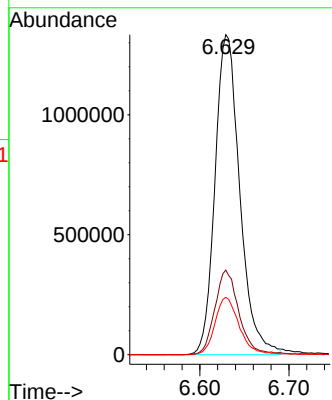
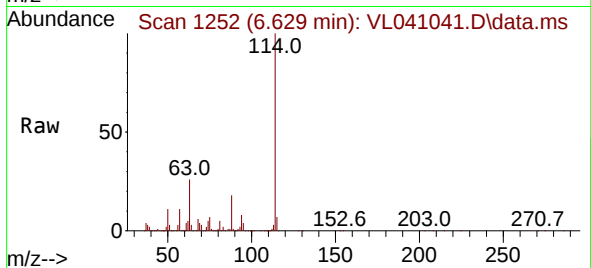
88 17.7 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#34

2-Butanone

Concen: 0.240 ppbv m

RT: 4.777 min Scan# 676

Delta R.T. 0.019 min

Lab File: VL041041.D

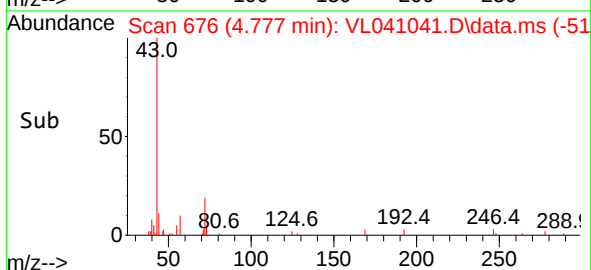
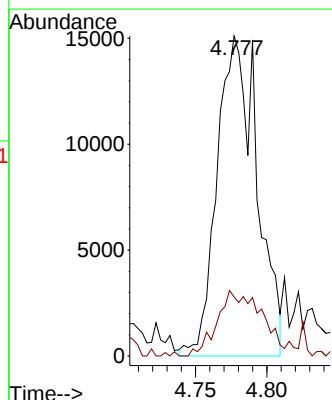
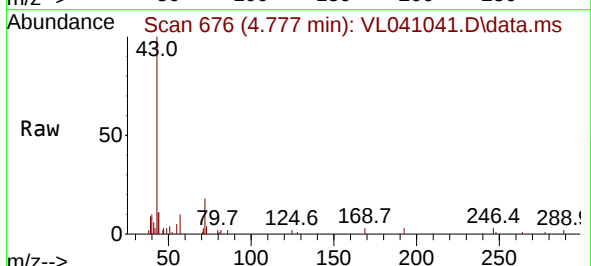
Acq: 7 Feb 2024 15:21

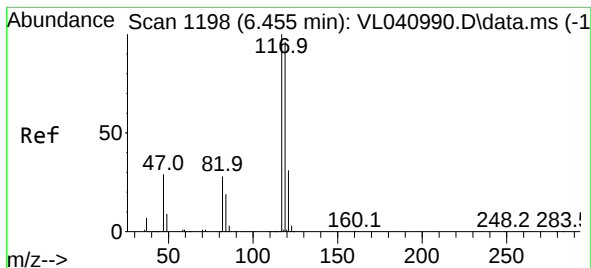
Tgt Ion: 43 Resp: 29416

Ion Ratio Lower Upper

43 100

72 25.4 17.5 26.3





#35

Carbon Tetrachloride

Concen: 0.067 ppbv

RT: 6.478 min Scan# 1198

Delta R.T. 0.013 min

Lab File: VL041041.D

Acq: 7 Feb 2024 15:21

Instrument :

MSVOA_L

ClientSampleId :

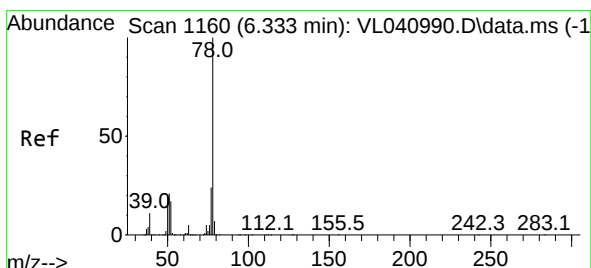
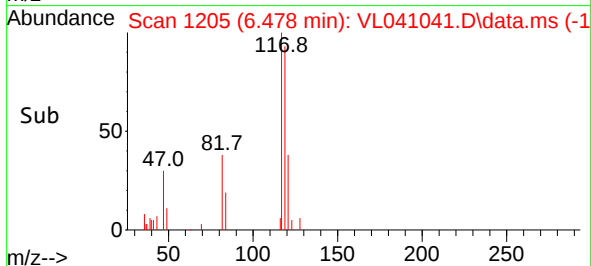
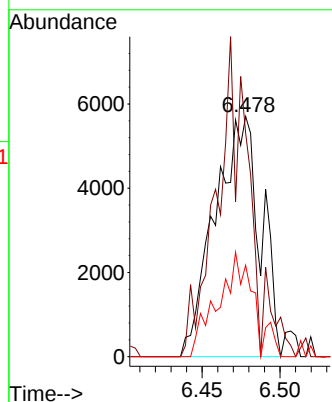
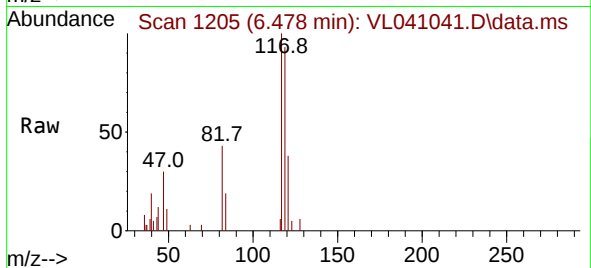
OA-1DUP

Tgt Ion:	117	Resp:	11578
Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.9	115.3
121	38.0	24.7	37.1

Manual Integrations

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Supervised By :Mahesh Dadoda 02/08/2024



#36

Benzene

Concen: 0.142 ppbv

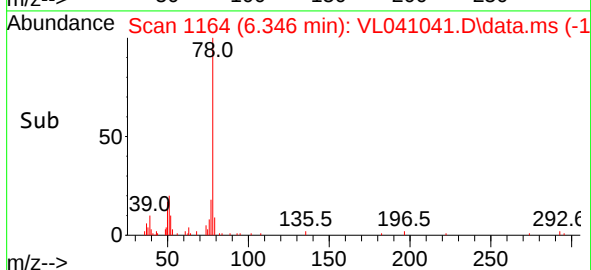
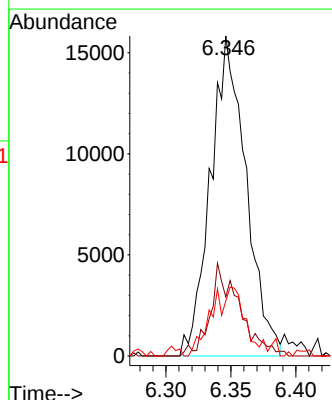
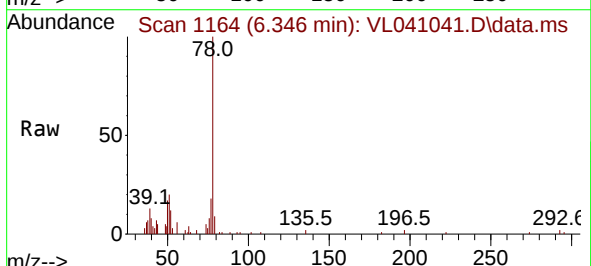
RT: 6.346 min Scan# 1164

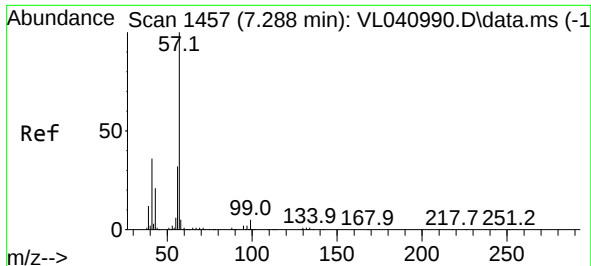
Delta R.T. 0.003 min

Lab File: VL041041.D

Acq: 7 Feb 2024 15:21

Tgt Ion:	78	Resp:	30109
Ion	Ratio	Lower	Upper
78	100		
77	18.5	19.0	28.4
50	17.2	15.8	23.6





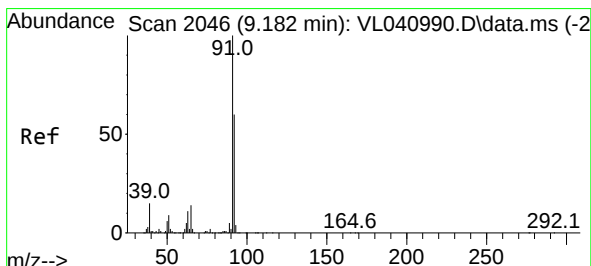
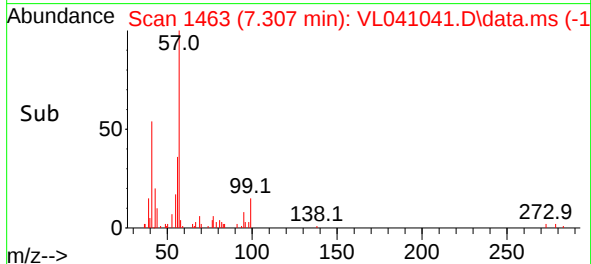
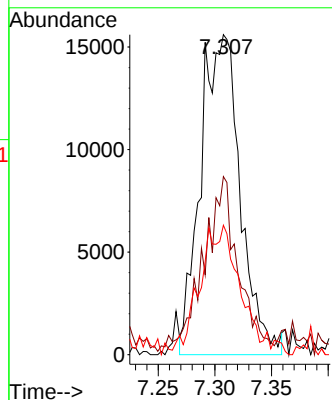
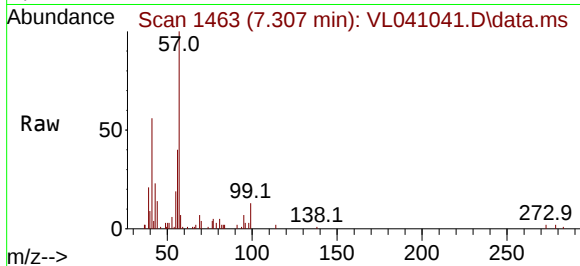
#44
2,2,4-Trimethylpentane
Concen: 0.106 ppbv m
RT: 7.307 min Scan# 1457
Delta R.T. 0.010 min
Lab File: VL041041.D
Acq: 7 Feb 2024 15:21

Instrument :
MSVOA_L
ClientSampleId :
OA-1DUP

Tgt Ion: 57 Resp: 38050
Ion Ratio Lower Upper
57 100
41 49.6 28.6 43.0
56 44.3 25.2 37.8

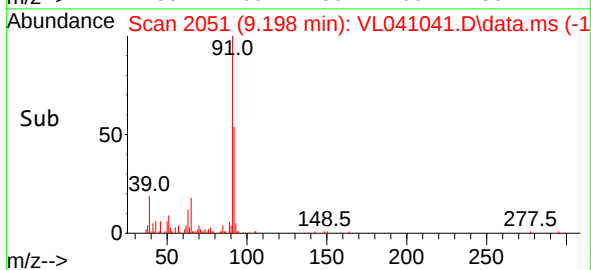
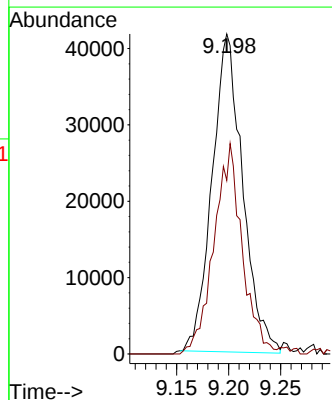
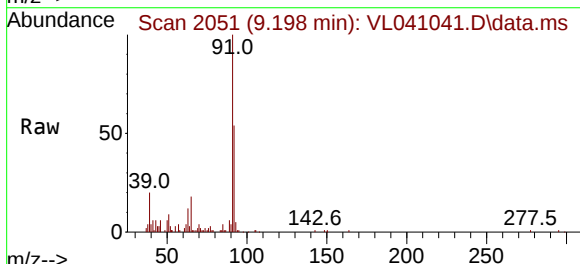
Manual Integrations
APPROVED

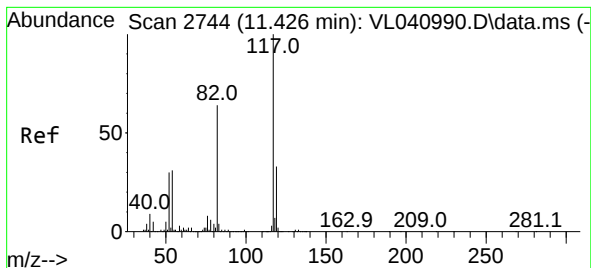
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#53
Toluene
Concen: 0.366 ppbv
RT: 9.198 min Scan# 2051
Delta R.T. 0.003 min
Lab File: VL041041.D
Acq: 7 Feb 2024 15:21

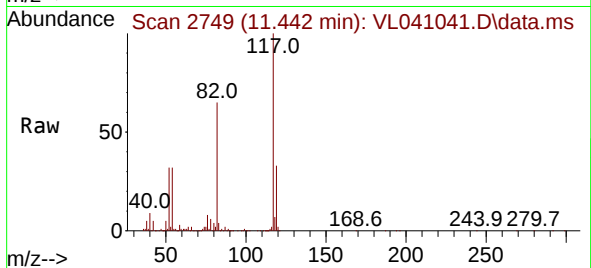
Tgt Ion: 91 Resp: 85180
Ion Ratio Lower Upper
91 100
92 62.0 48.6 72.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041041.D
Acq: 7 Feb 2024 15:21

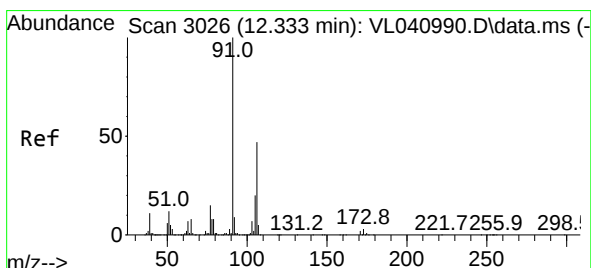
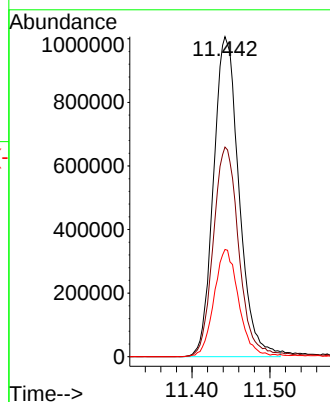
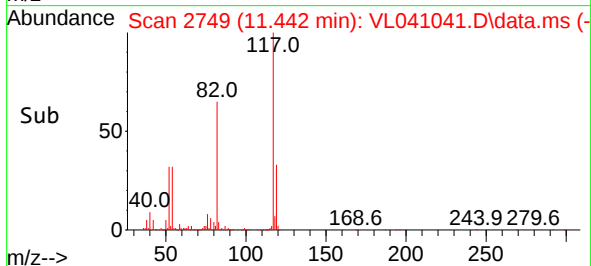
Instrument :
MSVOA_L
ClientSampleId :
OA-1DUP



Tgt Ion:117 Resp: 229094
Ion Ratio Lower Upper
117 100
82 67.1 51.7 77.5
119 33.1 23.8 35.6

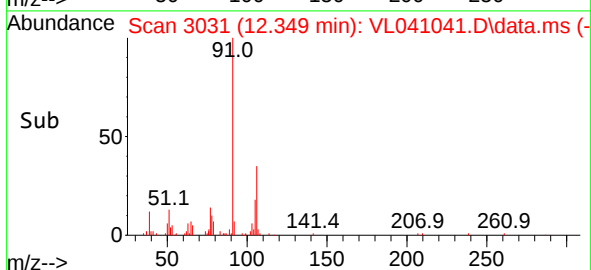
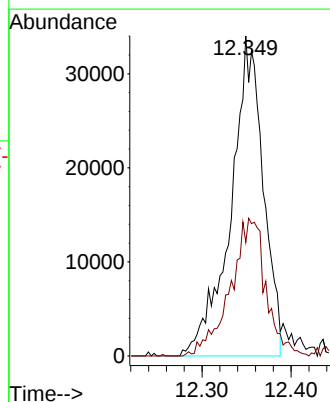
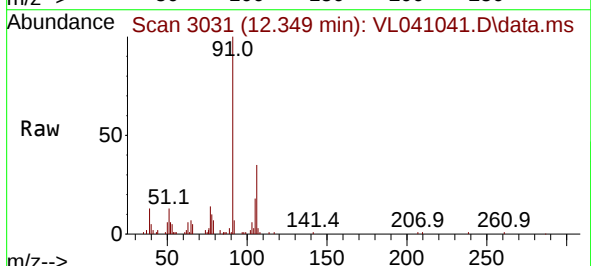
Manual Integrations
APPROVED

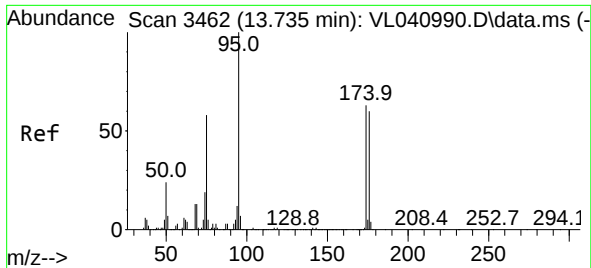
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024



#59
m/p-Xylene
Concen: 0.321 ppbv m
RT: 12.349 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VL041041.D
Acq: 7 Feb 2024 15:21

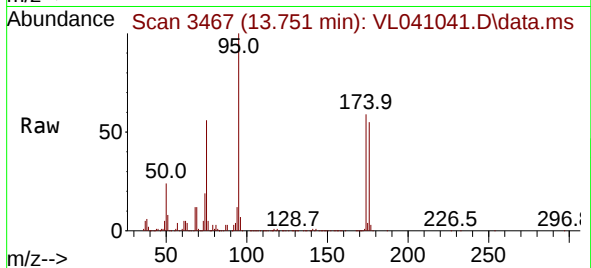
Tgt Ion: 91 Resp: 85981
Ion Ratio Lower Upper
91 100
106 47.4 34.9 52.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.162 ppbv
 RT: 13.751 min Scan# 3467
 Delta R.T. 0.003 min
 Lab File: VL041041.D
 Acq: 7 Feb 2024 15:21

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1DUP



Tgt Ion: 95 Resp: 1758480
 Ion Ratio Lower Upper
 95 100
 174 62.9 49.1 73.7
 175 4.5 3.7 5.5

Manual Integrations
 APPROVED

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

