

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041414.D
 Acq On : 26 Jul 2024 10:04
 Operator : SY/MD
 Sample : P3356-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/29/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 29 01:46:45 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Fri Jul 26 07:31:14 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.172	49	1040304	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	2797628	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2451286	10.000	ppbv	#-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1769805	9.382	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.709	85	41693	0.233	ppbv	98
3) Chlorodifluoromethane	2.655	51	69262m	0.559	ppbv	
4) Chloromethane	2.793	50	37444	0.568	ppbv	99
9) Propene	2.684	41	64809	1.139	ppbv	89
10) Heptane	7.555	43	24177	0.189	ppbv	92
11) Trichlorofluoromethane	3.545	101	33193	0.209	ppbv	95
13) Ethanol	3.221	45	1741999	342.591	ppbv	96
15) Acetone	3.449	43	910849	7.706	ppbv	100
19) Isopropyl Alcohol	3.562	45	361277	5.228	ppbv #	99
20) Methylene Chloride	3.912	84	1843080	41.815	ppbv	99
26) Hexane	5.195	57	908175	9.323	ppbv #	40
34) 2-Butanone	4.771	43	59387m	0.439	ppbv	
35) Carbon Tetrachloride	6.475	117	10008	0.065	ppbv #	83
36) Benzene	6.352	78	26680	0.131	ppbv #	86
53) Toluene	9.208	91	68528	0.301	ppbv	98

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

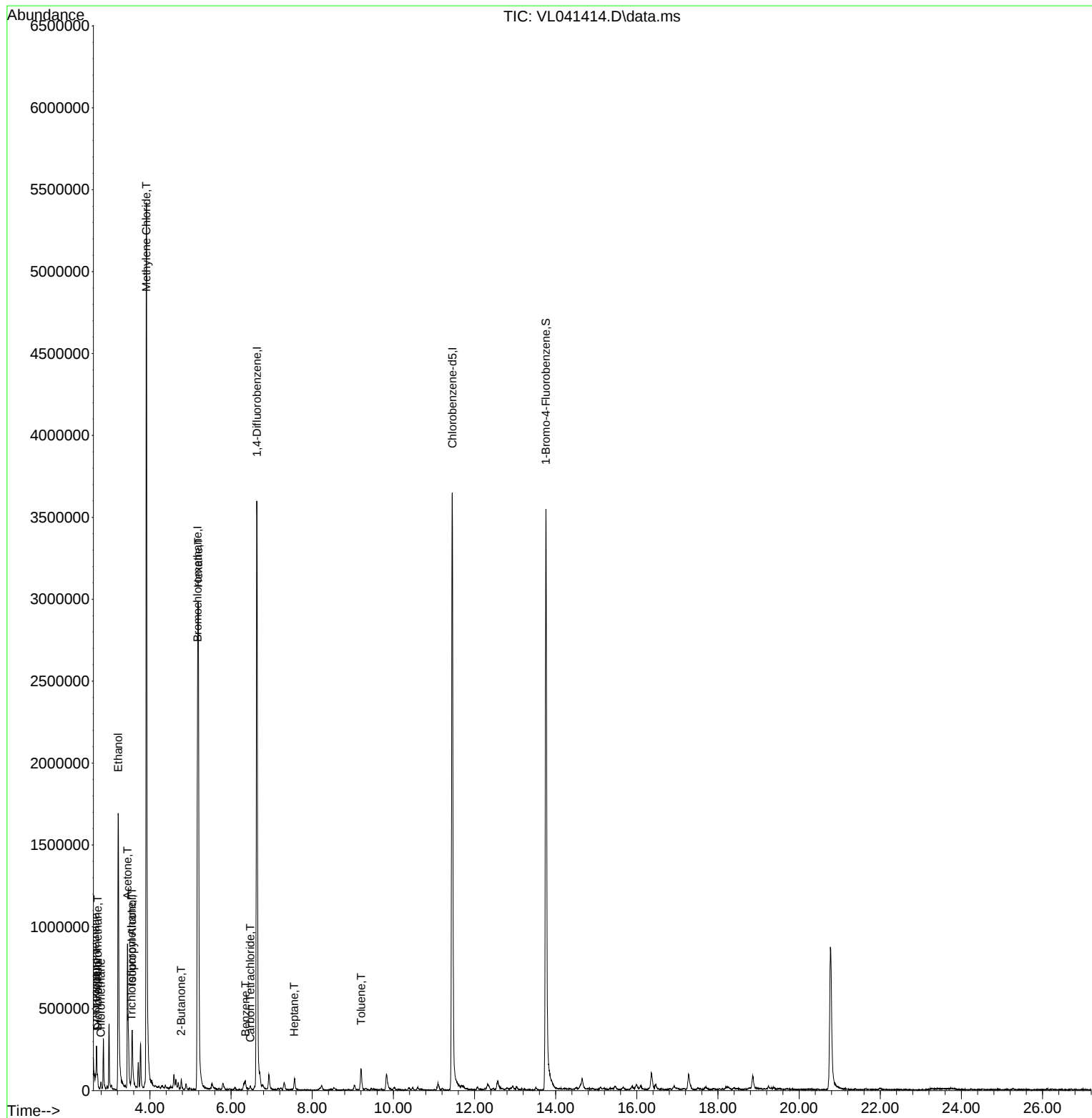
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041414.D
Acq On : 26 Jul 2024 10:04
Operator : SY/MD
Sample : P3356-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

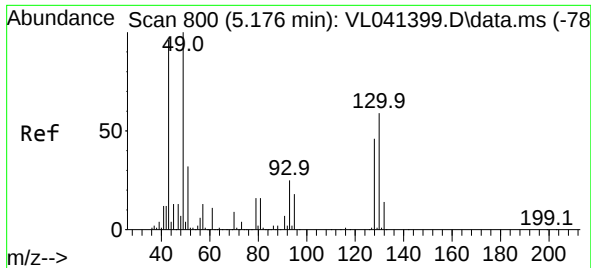
Instrument :
MSVOA_L
ClientSampleId :
1

Quant Time: Jul 29 01:46:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Jul 26 07:31:14 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

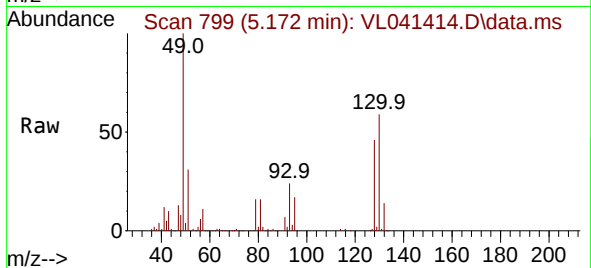
Reviewed By : Semsettin Yesilyurt 07/29/2024
Supervised By : Mahesh Dadoda 07/29/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.172 min Scan# 79
Delta R.T. -0.004 min
Lab File: VL041414.D
Acq: 26 Jul 2024 10:04

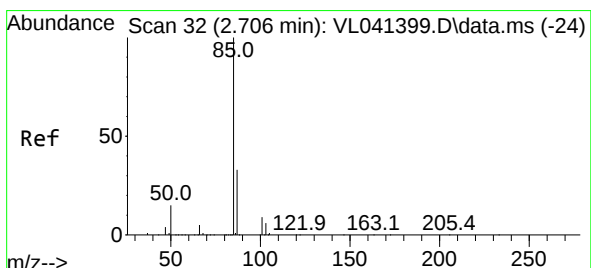
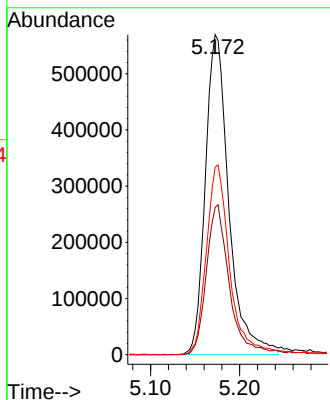
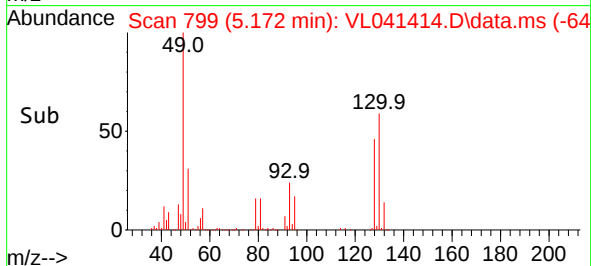
Instrument :
MSVOA_L
ClientSampleId :
1



Tgt Ion: 49 Resp: 1040304
Ion Ratio Lower Upper
49 100
128 47.0 23.8 71.4
130 60.8 30.8 92.4

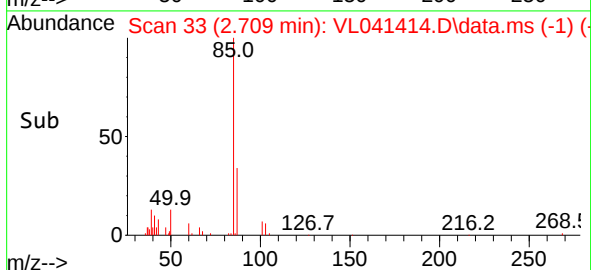
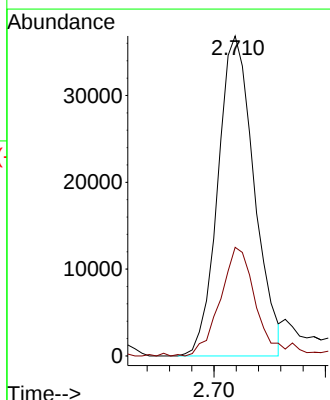
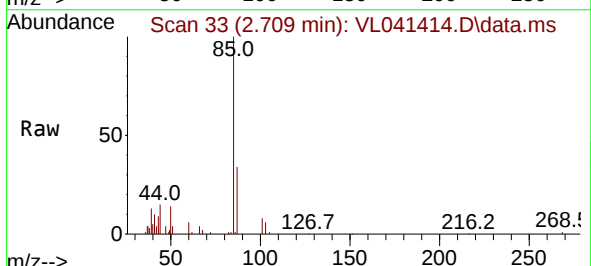
Manual Integrations
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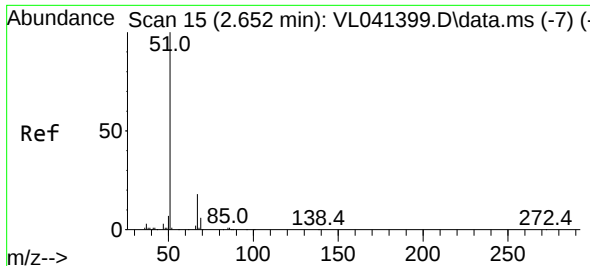
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#2
Dichlorodifluoromethane
Concen: 0.233 ppbv
RT: 2.709 min Scan# 33
Delta R.T. 0.003 min
Lab File: VL041414.D
Acq: 26 Jul 2024 10:04

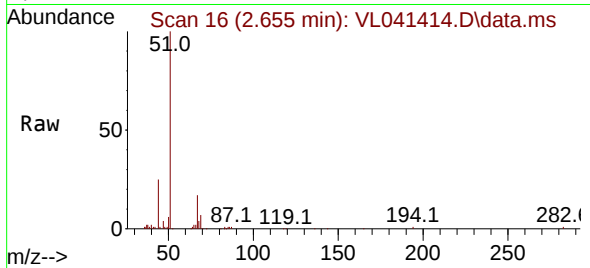
Tgt Ion: 85 Resp: 41693
Ion Ratio Lower Upper
85 100
87 33.5 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.559 ppbv m
RT: 2.655 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL041414.D
Acq: 26 Jul 2024 10:04

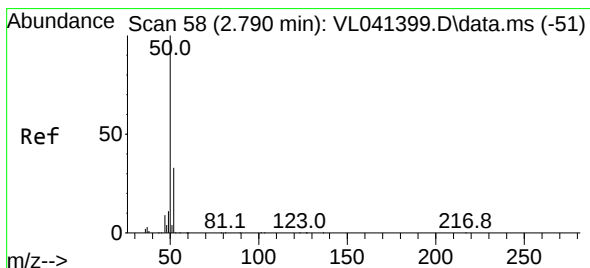
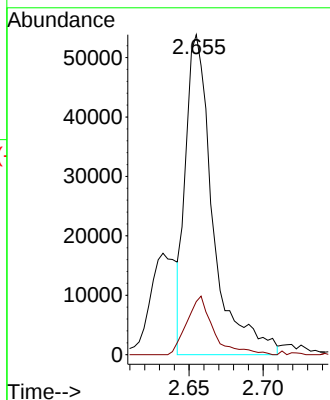
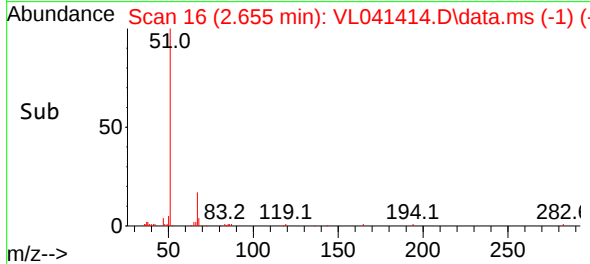
Instrument :
MSVOA_L
ClientSampleId :
1



Tgt Ion: 51 Resp: 6926
Ion Ratio Lower Upper
51 100
67 18.2 14.5 21.7

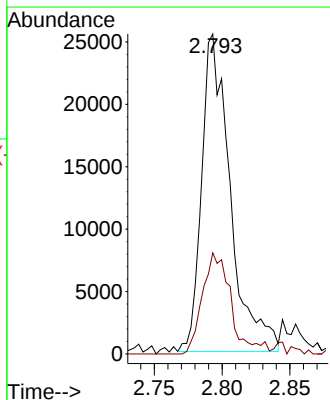
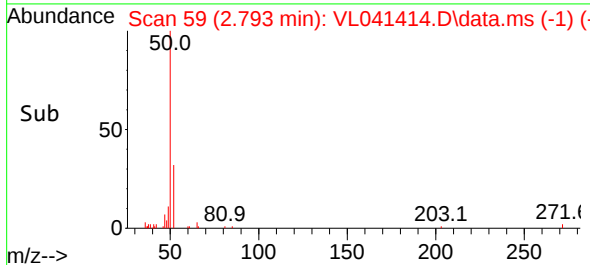
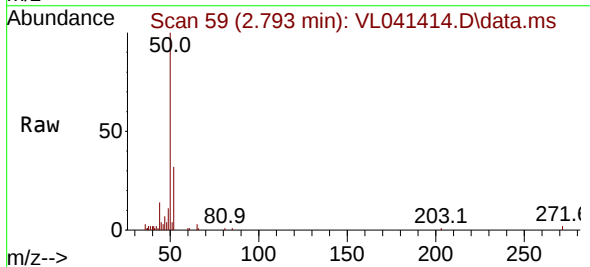
Manual Integrations
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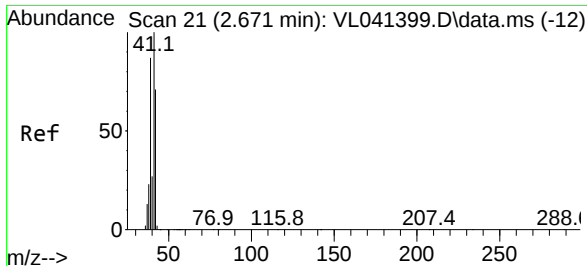
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#4
Chloromethane
Concen: 0.568 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.003 min
Lab File: VL041414.D
Acq: 26 Jul 2024 10:04

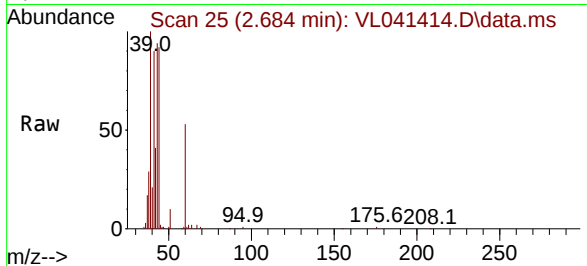
Tgt Ion: 50 Resp: 37444
Ion Ratio Lower Upper
50 100
52 31.8 26.1 39.1





#9
 Propene
 Concen: 1.139 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.013 min
 Lab File: VL041414.D
 Acq: 26 Jul 2024 10:04

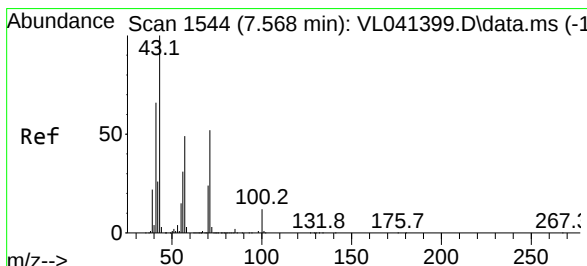
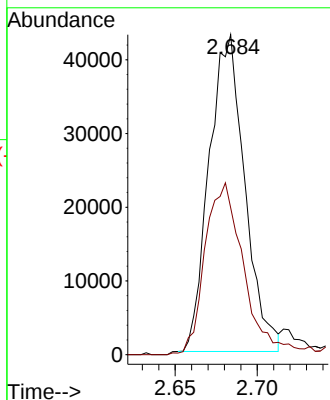
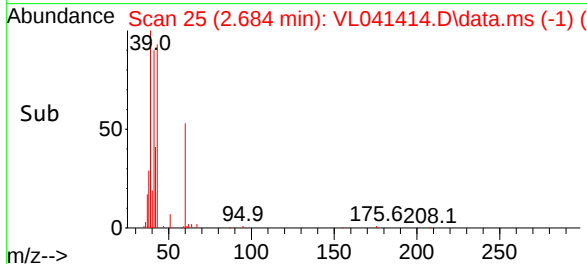
Instrument :
 MSVOA_L
 ClientSampleId :
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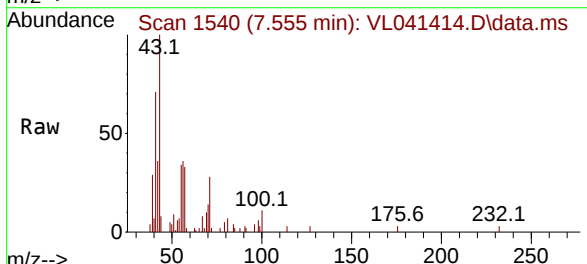
Tgt Ion: 41 Resp: 64809
 Ion Ratio Lower Upper
 41 100
 42 60.6 55.9 83.9

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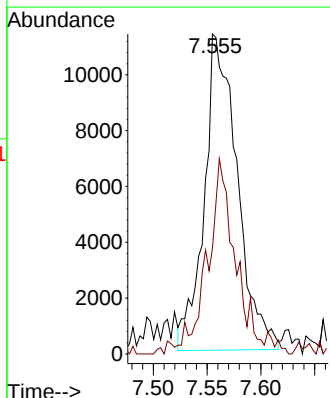
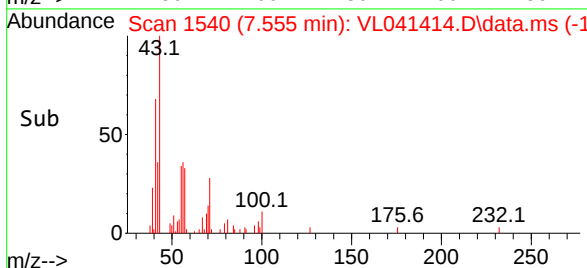
Reviewed By :Semsettin Yesilyurt 07/29/2024
 Supervised By :Mahesh Dadoda 07/29/2024

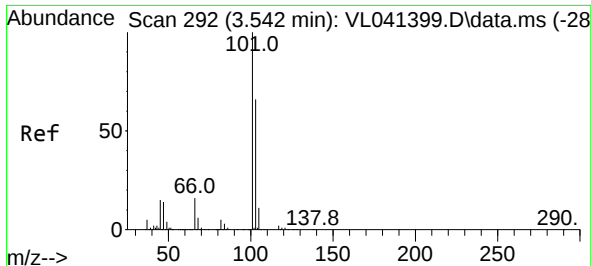


#10
 Heptane
 Concen: 0.189 ppbv
 RT: 7.555 min Scan# 1540
 Delta R.T. -0.013 min
 Lab File: VL041414.D
 Acq: 26 Jul 2024 10:04



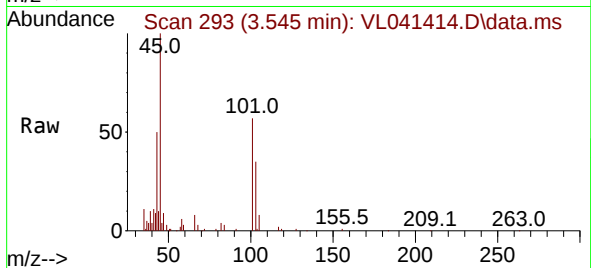
Tgt Ion: 43 Resp: 24177
 Ion Ratio Lower Upper
 43 100
 57 56.5 40.5 60.7





#11
Trichlorofluoromethane
Concen: 0.209 ppbv
RT: 3.545 min Scan# 292
Delta R.T. 0.003 min
Lab File: VL041414.D
Acq: 26 Jul 2024 10:04

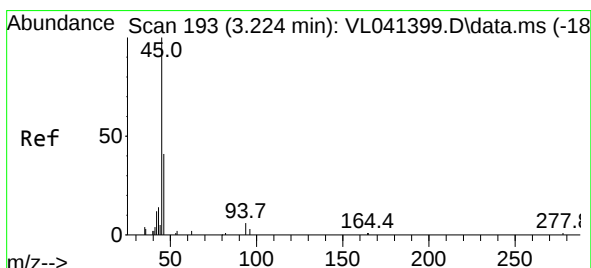
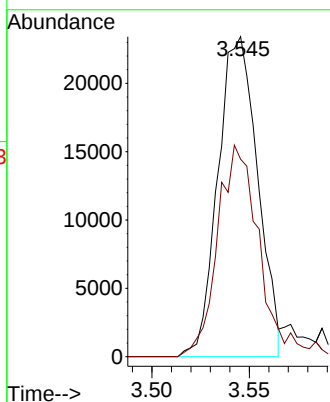
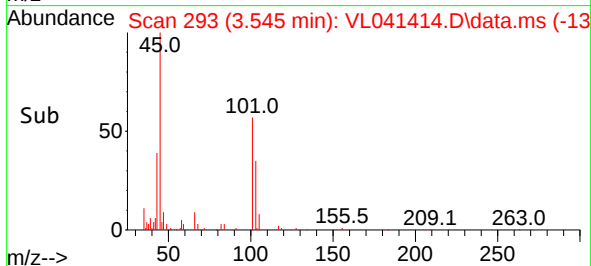
Instrument :
MSVOA_L
ClientSampleId :
1



Tgt Ion:101 Resp: 3319
Ion Ratio Lower Upper
101 100
103 61.7 52.6 79.0

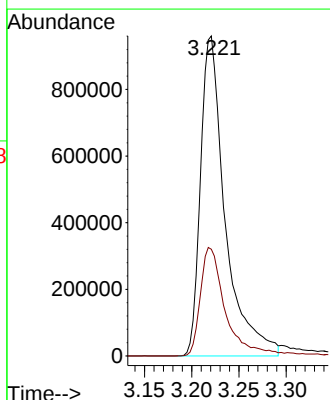
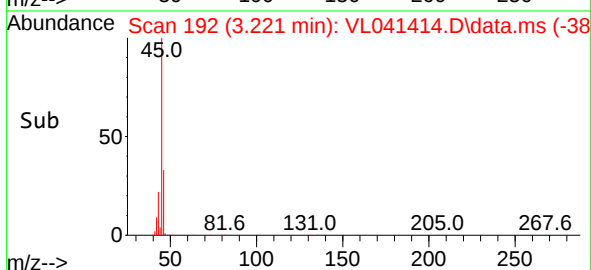
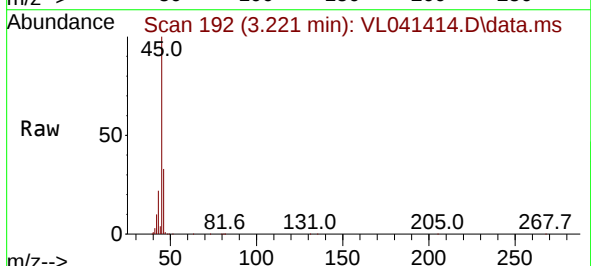
Manual Integrations
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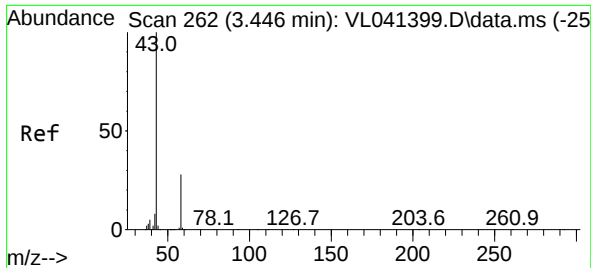
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#13
Ethanol
Concen: 342.591 ppbv
RT: 3.221 min Scan# 192
Delta R.T. -0.003 min
Lab File: VL041414.D
Acq: 26 Jul 2024 10:04

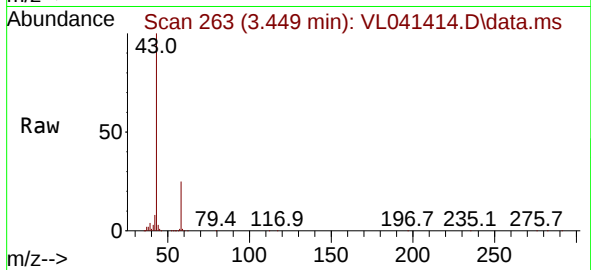
Tgt Ion: 45 Resp: 1741999
Ion Ratio Lower Upper
45 100
46 35.8 13.4 53.4





#15
Acetone
Concen: 7.706 ppbv
RT: 3.449 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL041414.D
Acq: 26 Jul 2024 10:04

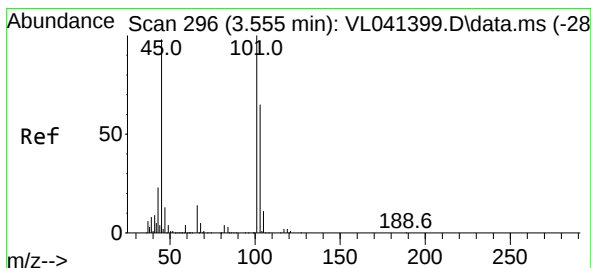
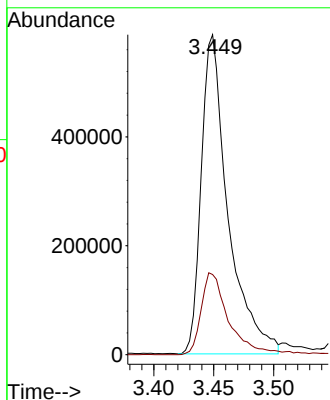
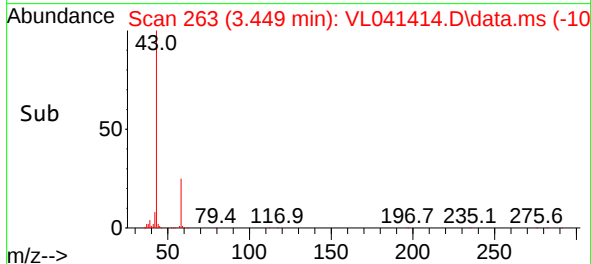
Instrument :
MSVOA_L
ClientSampleId :
1



Tgt Ion: 43 Resp: 910849
Ion Ratio Lower Upper
43 100
58 26.9 21.4 32.2

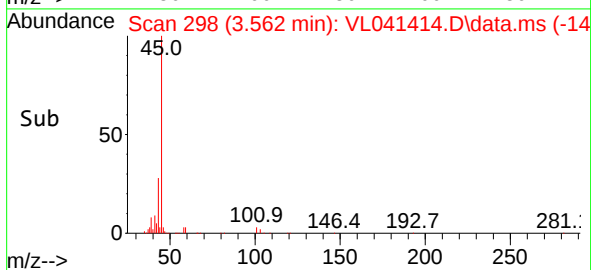
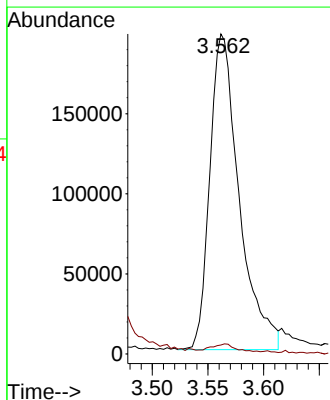
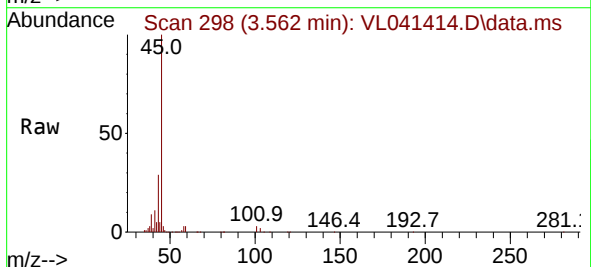
Manual Integrations
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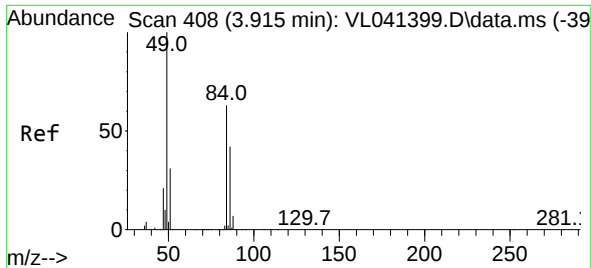
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#19
Isopropyl Alcohol
Concen: 5.228 ppbv
RT: 3.562 min Scan# 298
Delta R.T. 0.006 min
Lab File: VL041414.D
Acq: 26 Jul 2024 10:04

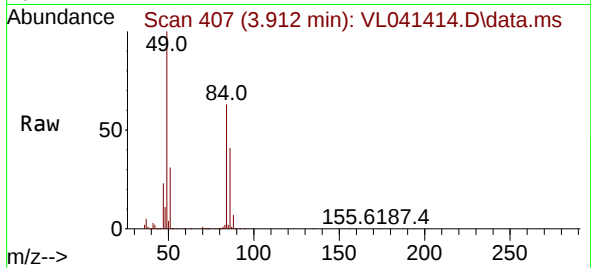
Tgt Ion: 45 Resp: 361277
Ion Ratio Lower Upper
45 100
58 2.9 1.9 2.9#





#20
Methylene Chloride
Concen: 41.815 ppbv
RT: 3.912 min Scan# 408
Delta R.T. -0.003 min
Lab File: VL041414.D
Acq: 26 Jul 2024 10:04

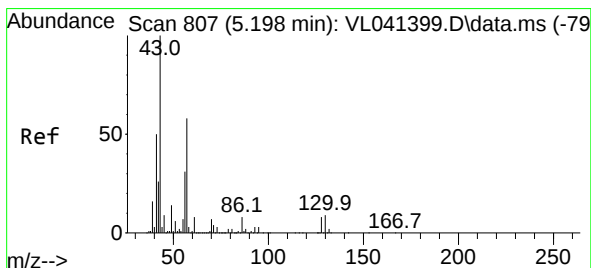
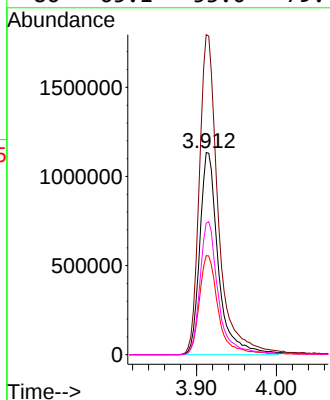
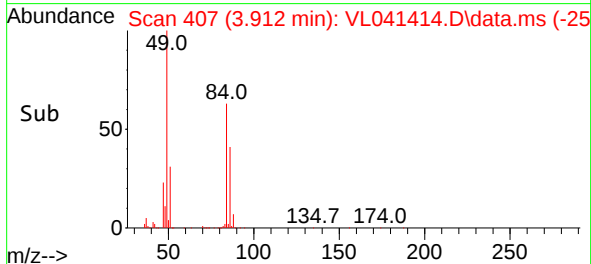
Instrument :
MSVOA_L
ClientSampleId :
1



Tgt Ion: 84 Resp: 1843080
Ion Ratio Lower Upper
84 100
49 158.4 126.6 190.0
51 49.0 38.6 58.0
86 65.1 53.0 79.4

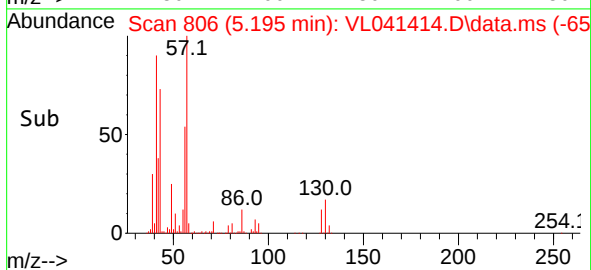
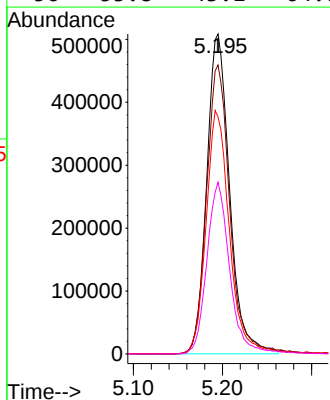
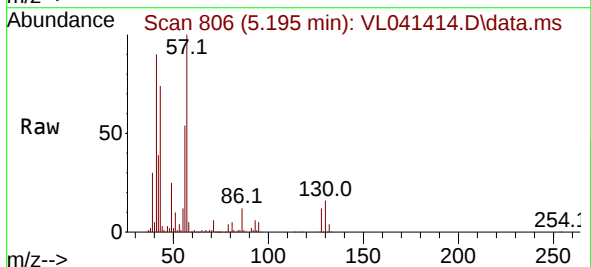
Manual Integrations
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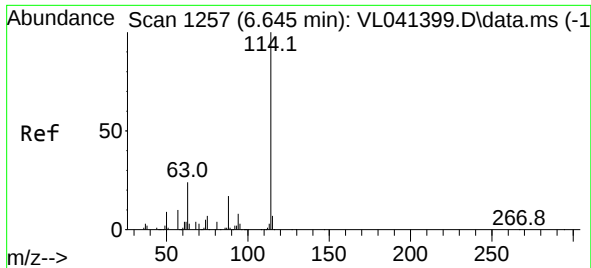
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#26
Hexane
Concen: 9.323 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL041414.D
Acq: 26 Jul 2024 10:04

Tgt Ion: 57 Resp: 908175
Ion Ratio Lower Upper
57 100
41 93.4 74.0 111.0
43 78.2 193.6 290.4#
56 53.8 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 1

Delta R.T. -0.010 min

Lab File: VL041414.D

Acq: 26 Jul 2024 10:04

Instrument :

MSVOA_L

ClientSampleId :

1

Tgt Ion:114 Resp: 2797628

Ion Ratio Lower Upper

114 100

63 24.9 20.3 30.5

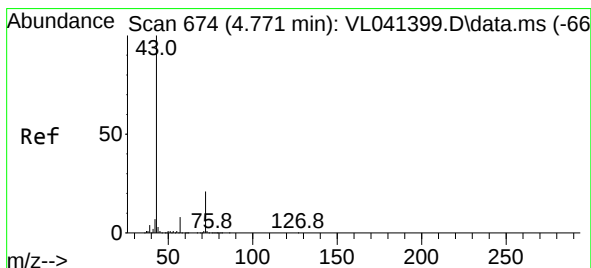
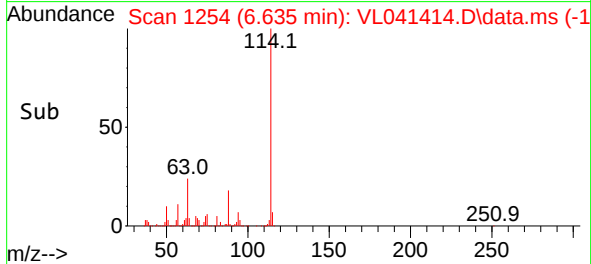
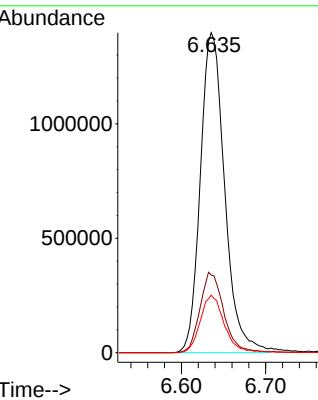
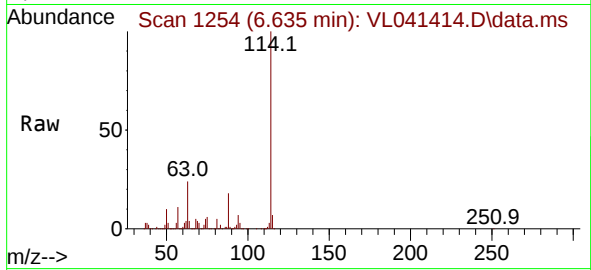
88 17.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/29/2024

Supervised By :Mahesh Dadoda 07/29/2024



#34

2-Butanone

Concen: 0.439 ppbv m

RT: 4.771 min Scan# 674

Delta R.T. -0.000 min

Lab File: VL041414.D

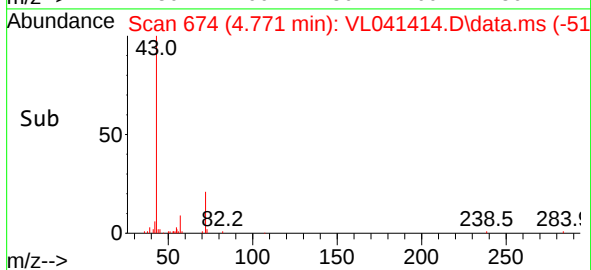
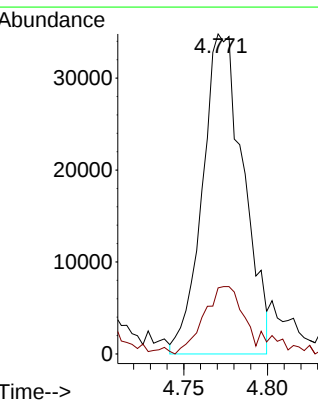
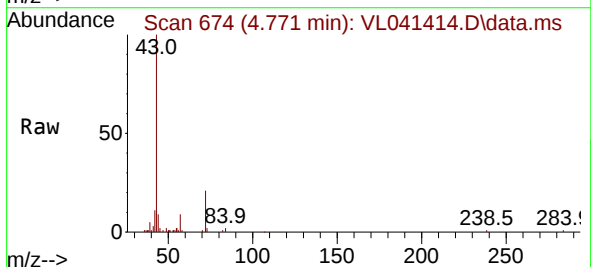
Acq: 26 Jul 2024 10:04

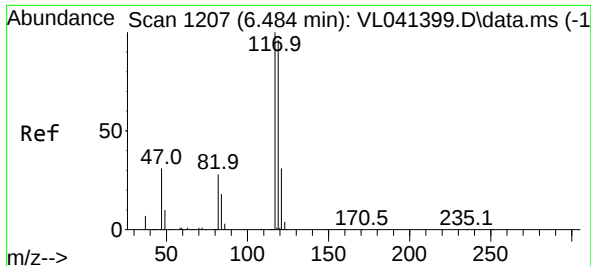
Tgt Ion: 43 Resp: 59387

Ion Ratio Lower Upper

43 100

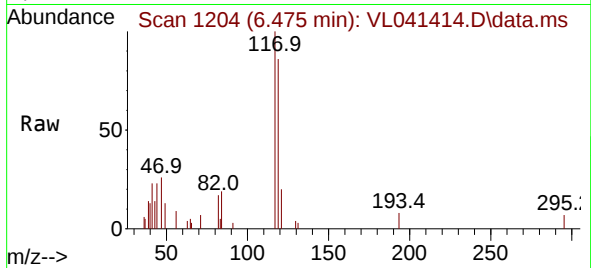
72 25.5 17.3 25.9





#35
Carbon Tetrachloride
Concen: 0.065 ppbv
RT: 6.475 min Scan# 117
Delta R.T. -0.010 min
Lab File: VL041414.D
Acq: 26 Jul 2024 10:04

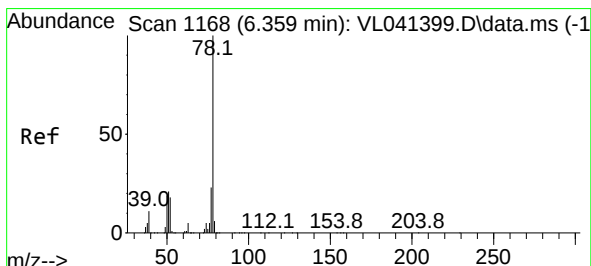
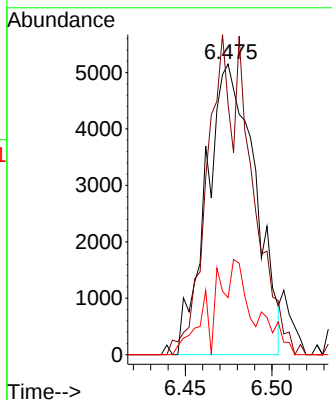
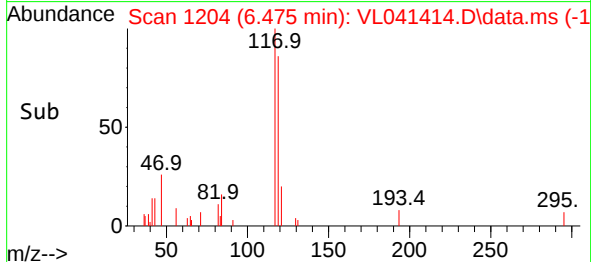
Instrument :
MSVOA_L
ClientSampleId :
1



Tgt Ion: 117 Resp: 1000
Ion Ratio Lower Upper
117 100
119 81.7 76.6 115.0
121 16.6 25.1 37.7

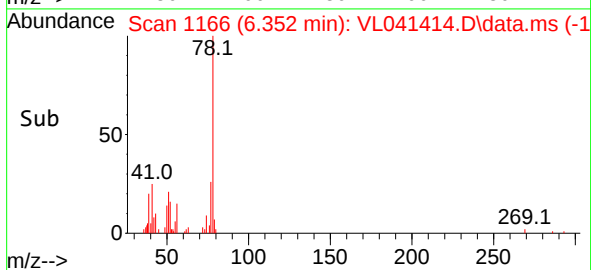
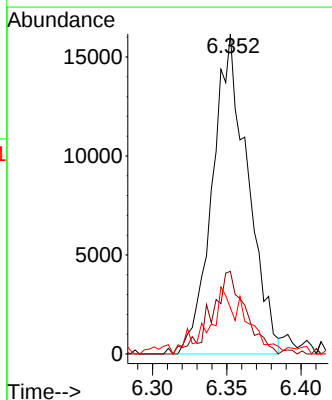
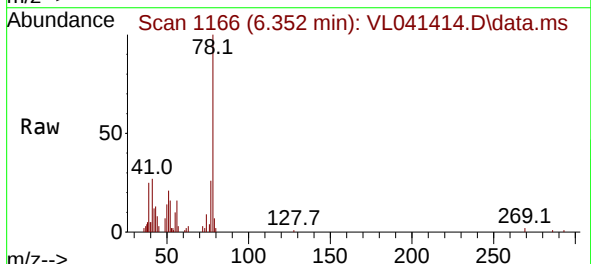
Manual Integrations
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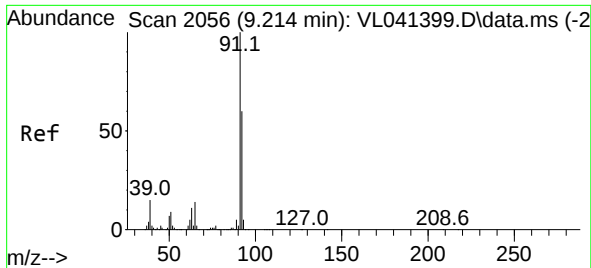
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#36
Benzene
Concen: 0.131 ppbv
RT: 6.352 min Scan# 1166
Delta R.T. -0.006 min
Lab File: VL041414.D
Acq: 26 Jul 2024 10:04

Tgt Ion: 78 Resp: 26680
Ion Ratio Lower Upper
78 100
77 25.8 18.1 27.1
50 8.8 15.5 23.3





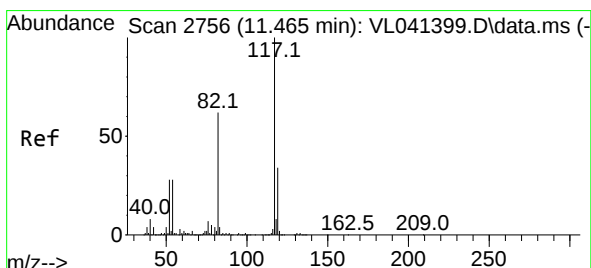
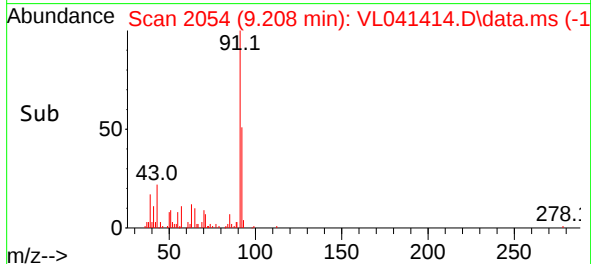
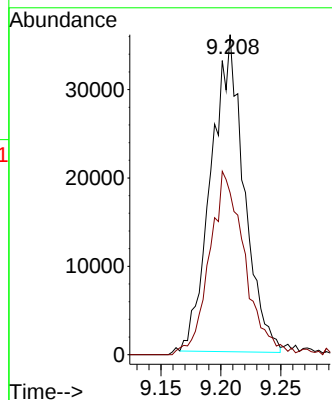
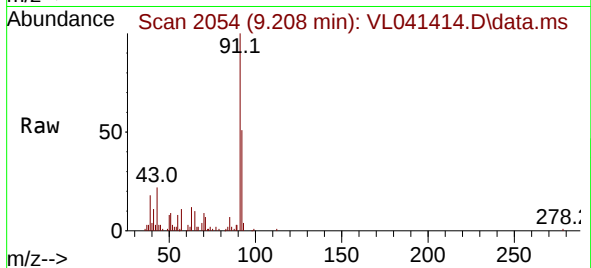
#53
Toluene
Concen: 0.301 ppbv
RT: 9.208 min Scan# 2056
Delta R.T. -0.006 min
Lab File: VL041414.D
Acq: 26 Jul 2024 10:04

Instrument :
MSVOA_L
ClientSampleId :
1

Tgt Ion: 91 Resp: 68528
Ion Ratio Lower Upper
91 100
92 62.5 48.7 73.1

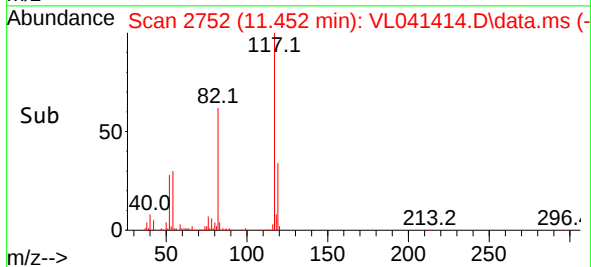
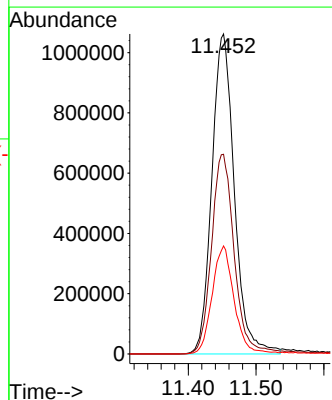
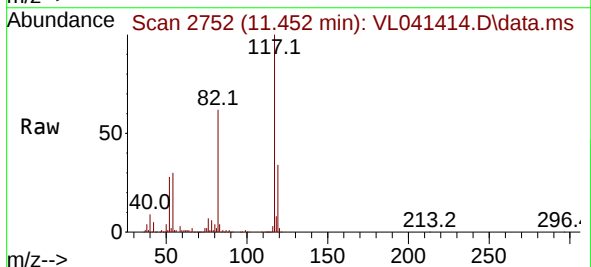
Manual Integrations
APPROVED

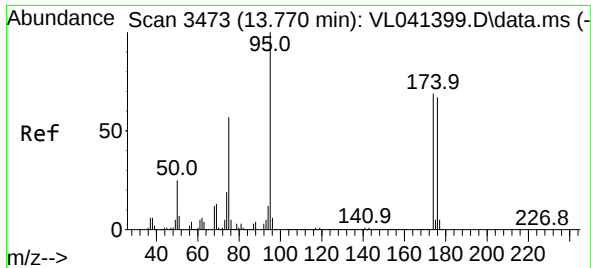
Reviewed By :Semsettin Yesilyurt 07/29/2024
Supervised By :Mahesh Dadoda 07/29/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. -0.013 min
Lab File: VL041414.D
Acq: 26 Jul 2024 10:04

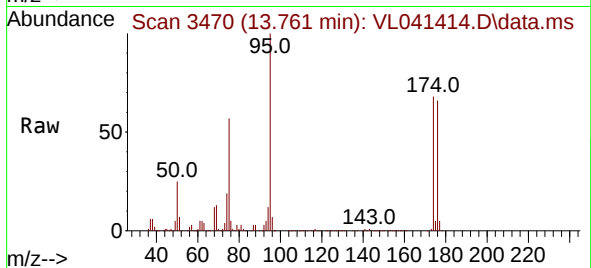
Tgt Ion:117 Resp: 2451286
Ion Ratio Lower Upper
117 100
82 64.2 51.0 76.6
119 33.6 45.2 67.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.382 ppbv
 RT: 13.761 min Scan# 34
 Delta R.T. -0.010 min
 Lab File: VL041414.D
 Acq: 26 Jul 2024 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 1



Tgt Ion: 95 Resp: 176980
 Ion Ratio Lower Upper
 95 100
 174 72.3 56.3 84.5
 175 5.0 4.0 6.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/29/2024
 Supervised By :Mahesh Dadoda 07/29/2024

