

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052124\
 Data File : VL041268.D
 Acq On : 21 May 2024 16:52
 Operator : SY/MD
 Sample : P2534-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2024
 Supervised By :Mahesh Dadoda 05/22/2024

Quant Time: May 22 05:45:52 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Wed May 22 05:39:49 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.202	49	1054033	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2750714	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2554954	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2004826	10.394	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.900%
Target Compounds						Qvalue
9) Propene	2.726	41	12046m	0.192	ppbv	
11) Trichlorofluoromethane	3.578	101	20530	0.142	ppbv	84
12) 1,1,2-Trichlorotrifluo...	4.076	101	90753	0.847	ppbv	99
13) Ethanol	3.279	45	3636m	0.259	ppbv	
15) Acetone	3.494	43	161778	1.301	ppbv	91
20) Methylene Chloride	3.948	84	162681	3.761	ppbv	98
26) Hexane	5.221	57	106827	0.964	ppbv #	40
29) Chloroform	5.282	83	16926	0.111	ppbv	95
32) 1,1,1-Trichloroethane	6.012	97	20491m	0.134	ppbv	
34) 2-Butanone	4.816	43	114214m	0.816	ppbv	
38) Trichloroethene	7.295	130	21765m	0.253	ppbv	
52) Tetrachloroethene	10.619	164	1365708	16.833	ppbv	98
53) Toluene	9.224	91	28910m	0.108	ppbv	
74) 1,2,4-Trimethylbenzene	16.114	105	41380m	0.134	ppbv	

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

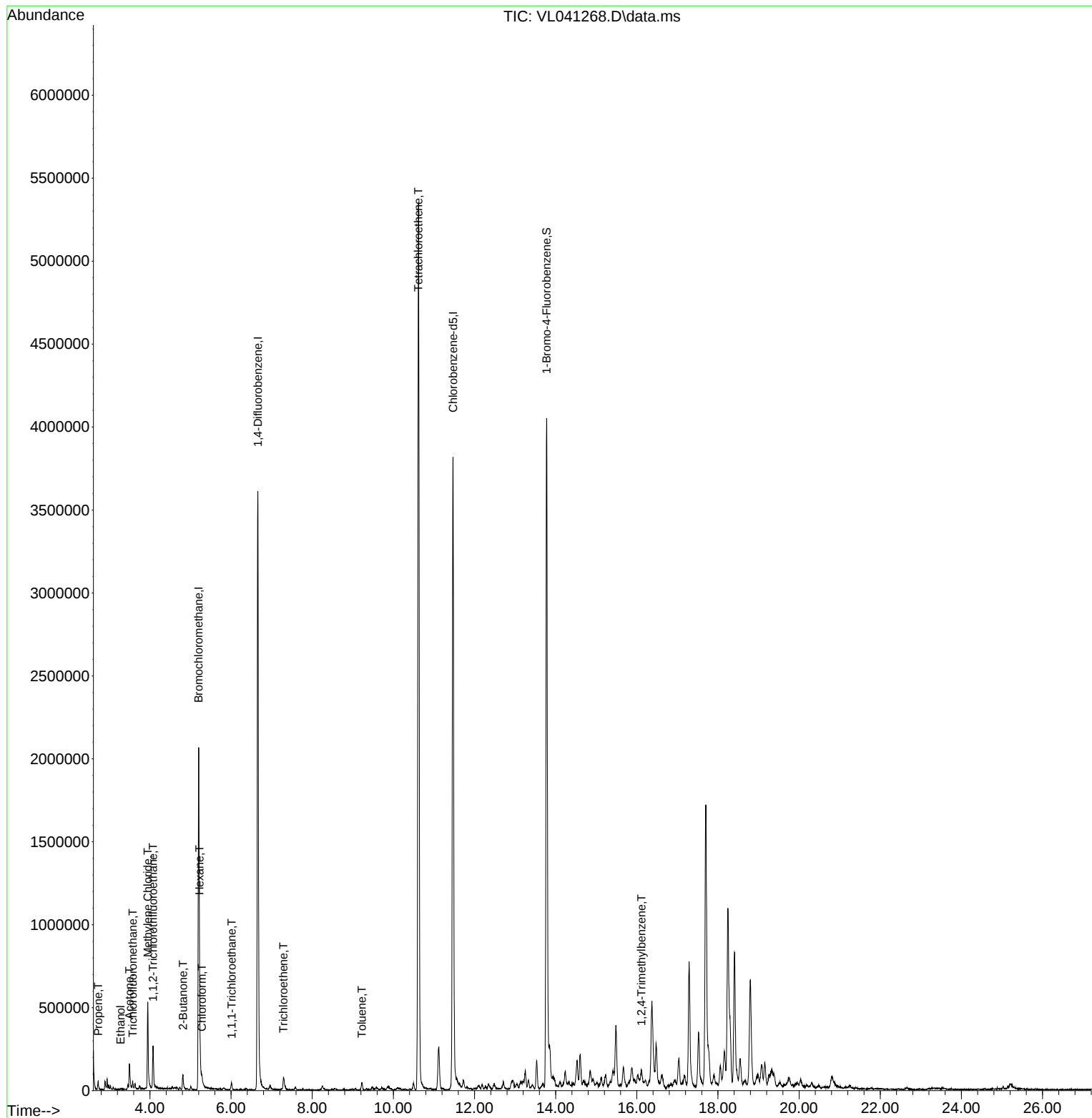
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052124\
Data File : VL041268.D
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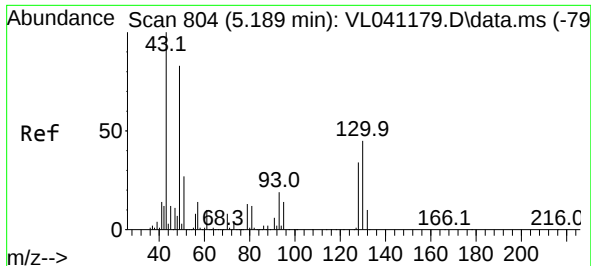
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

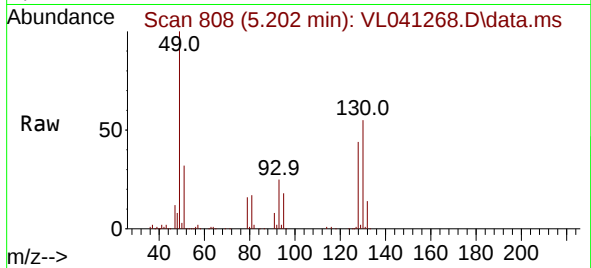
Quant Time: May 22 05:45:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed May 22 05:39:49 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.202 min Scan# 804
Delta R.T. 0.001 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52

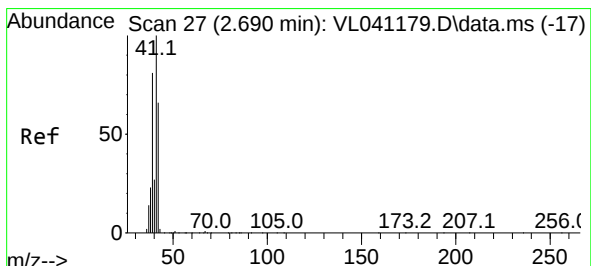
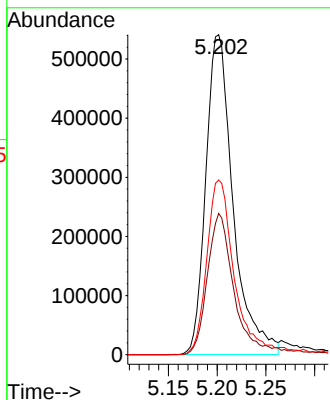
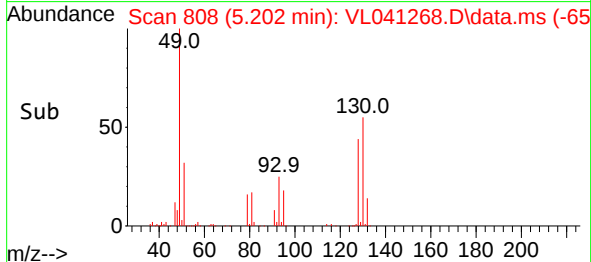
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 105403
Ion Ratio Lower Upper
49 100
128 44.9 21.5 64.5
130 58.2 27.2 81.6

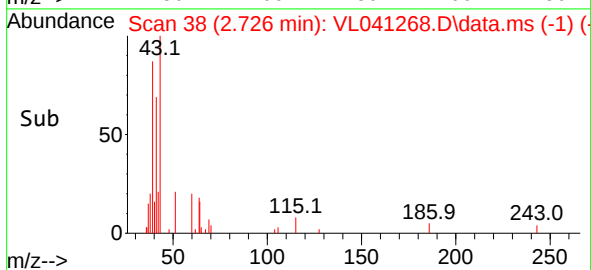
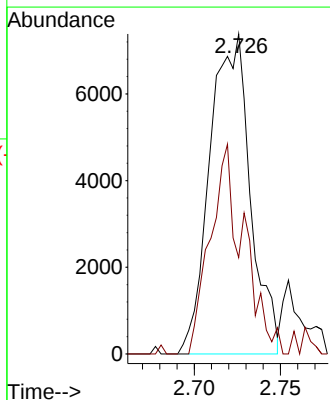
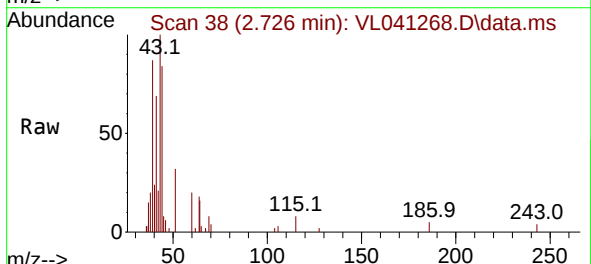
Manual Integrations
APPROVED

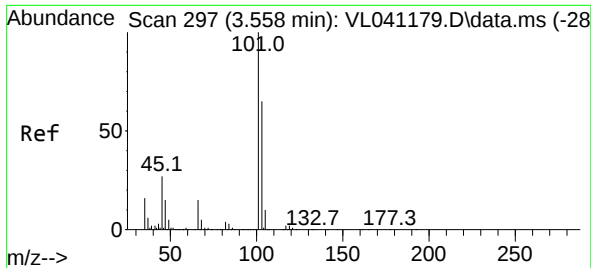
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#9
Propene
Concen: 0.192 ppbv m
RT: 2.726 min Scan# 38
Delta R.T. 0.013 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52

Tgt Ion: 41 Resp: 12046
Ion Ratio Lower Upper
41 100
42 55.4 55.3 82.9





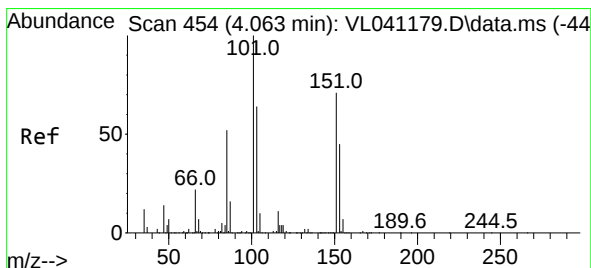
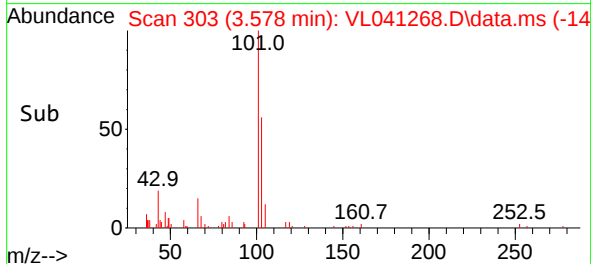
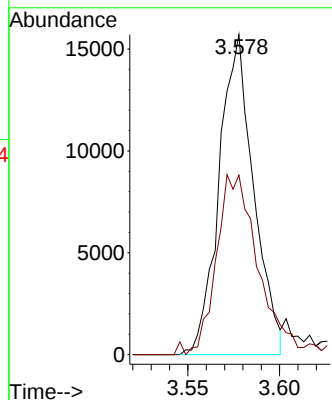
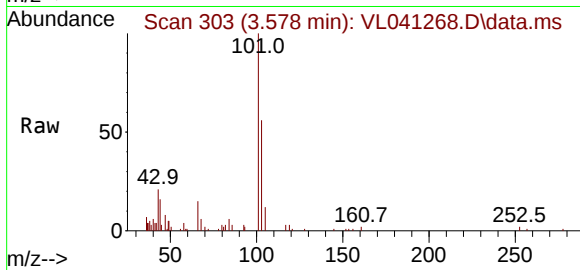
#11
Trichlorofluoromethane
Concen: 0.142 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.003 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:101 Resp: 20530
Ion Ratio Lower Upper
101 100
103 52.1 51.6 77.4

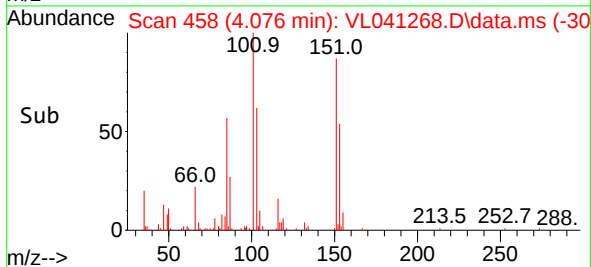
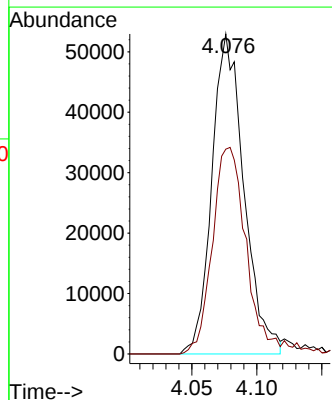
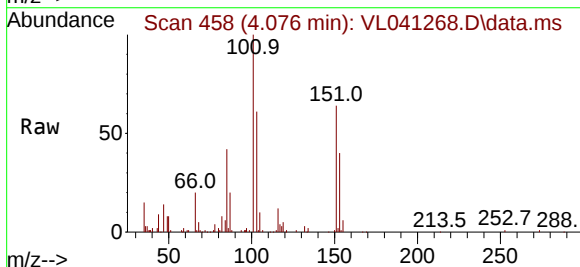
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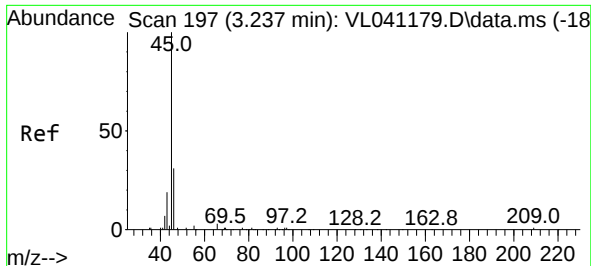
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.847 ppbv
RT: 4.076 min Scan# 458
Delta R.T. 0.000 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52

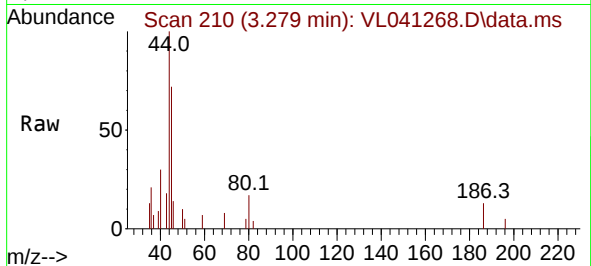
Tgt Ion:101 Resp: 90753
Ion Ratio Lower Upper
101 100
151 70.4 56.8 85.2





#13
Ethanol
Concen: 0.259 ppbv m
RT: 3.279 min Scan# 210
Delta R.T. 0.026 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52

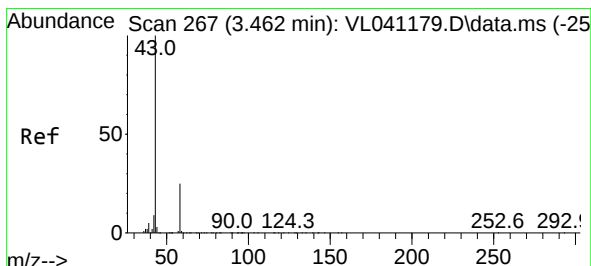
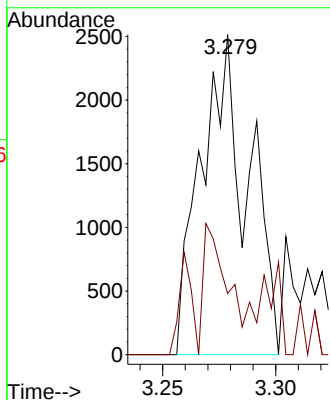
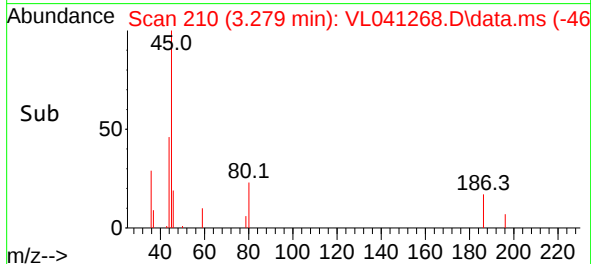
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



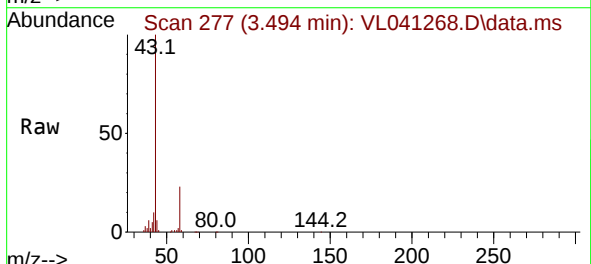
Tgt Ion: 45 Resp: 3630
Ion Ratio Lower Upper
45 100
46 43.6 14.8 59.0

Manual Integrations
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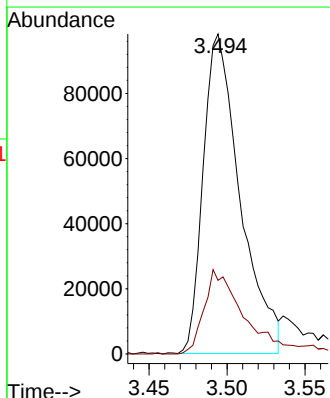
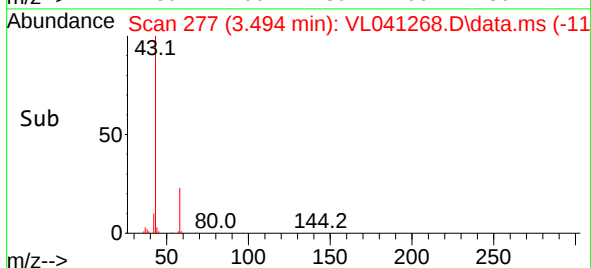
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

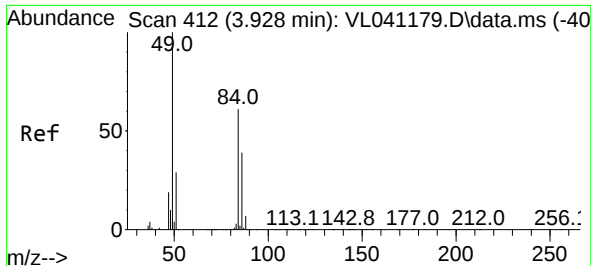


#15
Acetone
Concen: 1.301 ppbv
RT: 3.494 min Scan# 277
Delta R.T. 0.013 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52



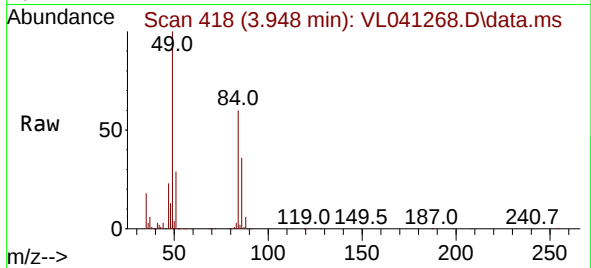
Tgt Ion: 43 Resp: 161778
Ion Ratio Lower Upper
43 100
58 31.3 21.4 32.0





#20
Methylene Chloride
Concen: 3.761 ppbv
RT: 3.948 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52

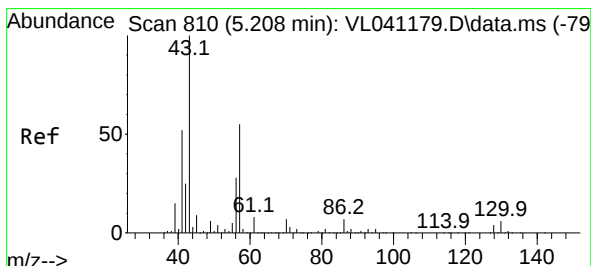
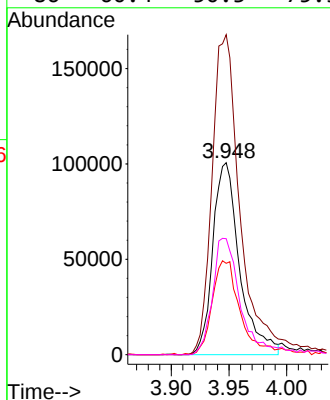
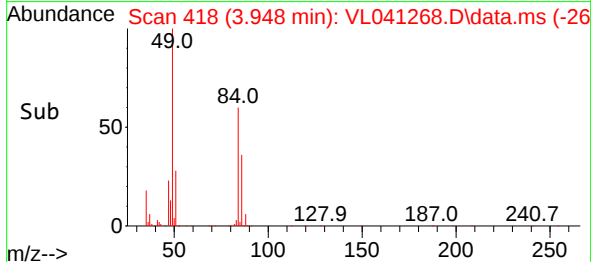
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 84 Resp: 16268
Ion Ratio Lower Upper
84 100
49 166.7 130.4 195.6
51 47.6 38.0 57.0
86 60.4 50.3 75.5

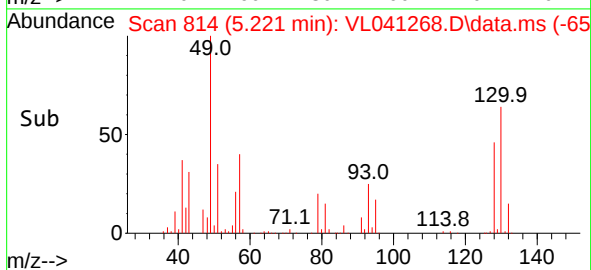
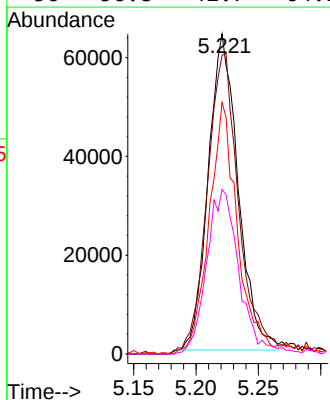
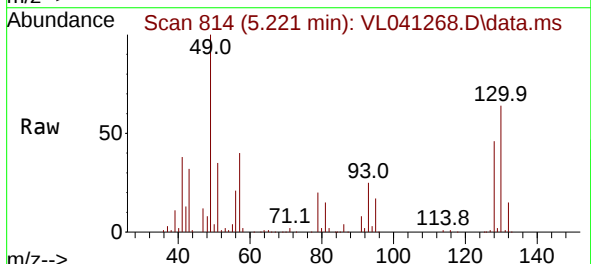
Manual Integrations
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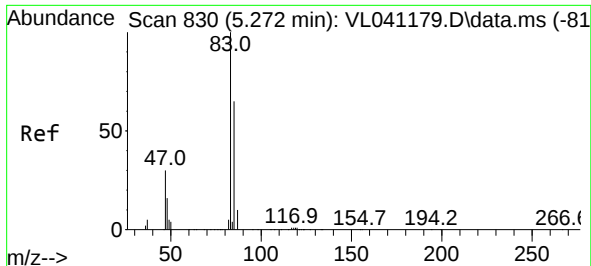
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#26
Hexane
Concen: 0.964 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.000 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52

Tgt Ion: 57 Resp: 106827
Ion Ratio Lower Upper
57 100
41 104.8 75.8 113.8
43 78.2 187.0 280.4#
56 56.8 42.7 64.1





#29

Chloroform

Concen: 0.111 ppbv

RT: 5.282 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041268.D

Acq: 21 May 2024 16:52

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 83 Resp: 16920

Ion Ratio Lower Upper

83 100

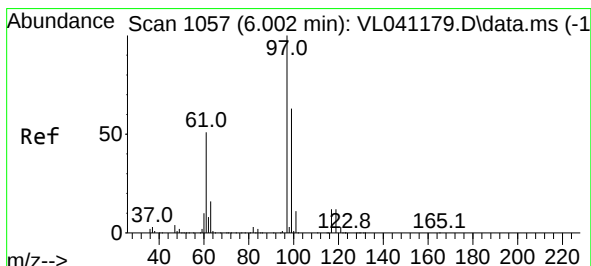
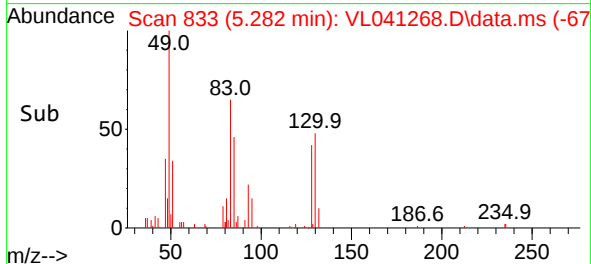
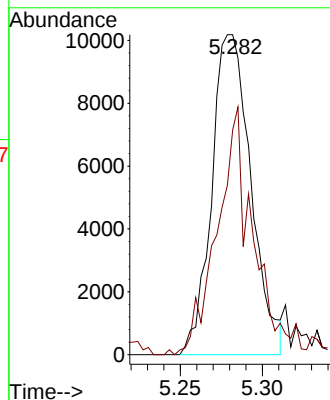
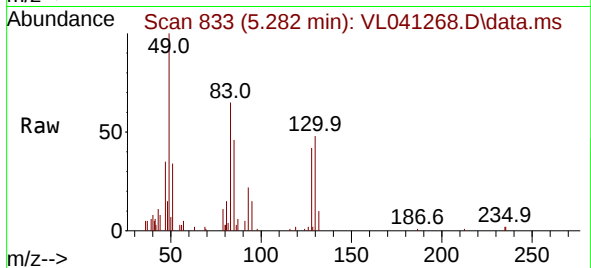
85 68.8 51.7 77.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/22/2024

Supervised By :Mahesh Dadoda 05/22/2024



#32

1,1,1-Trichloroethane

Concen: 0.134 ppbv m

RT: 6.012 min Scan# 1060

Delta R.T. 0.006 min

Lab File: VL041268.D

Acq: 21 May 2024 16:52

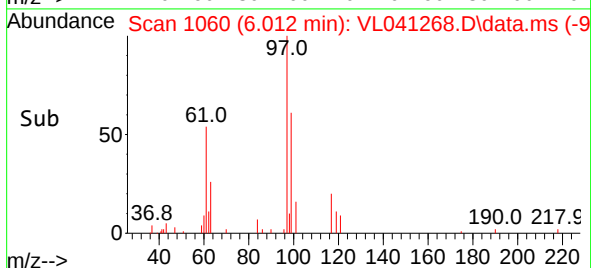
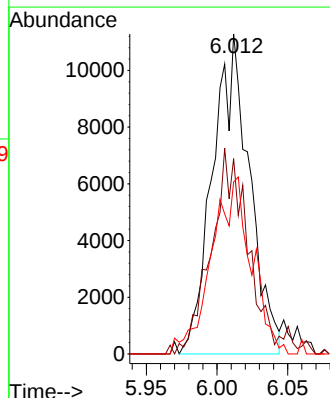
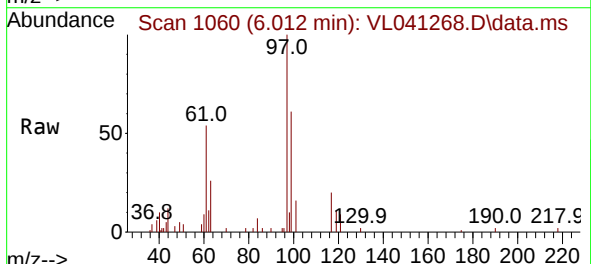
Tgt Ion: 97 Resp: 20491

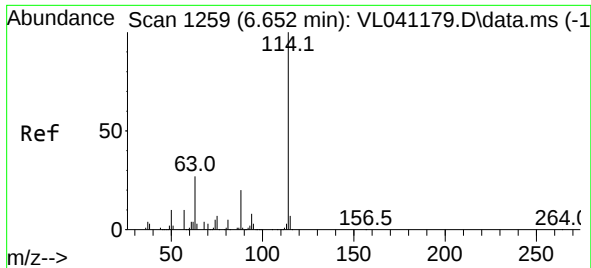
Ion Ratio Lower Upper

97 100

99 66.6 51.7 77.5

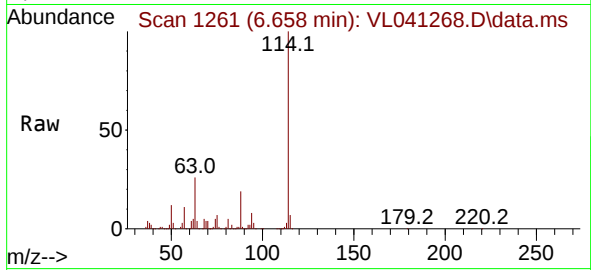
61 0.0 41.1 61.7#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 114
Delta R.T. 0.000 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52

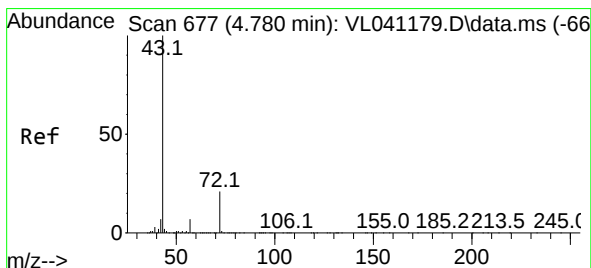
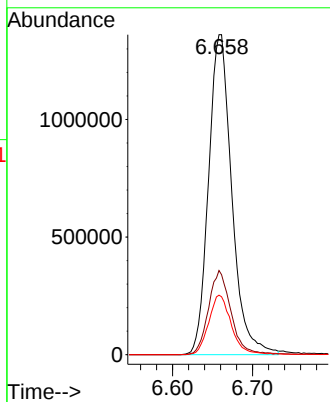
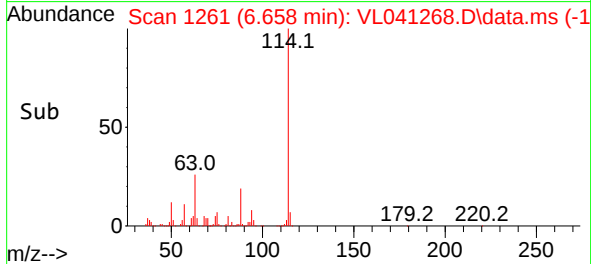
Instrument :
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ClientSampleId :
SV1DL



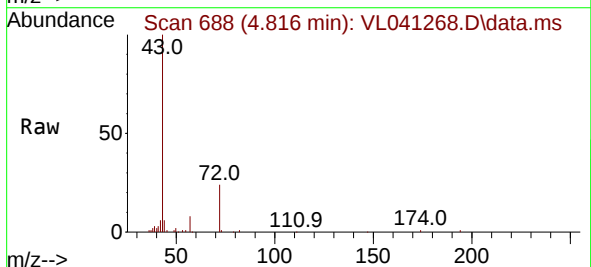
Tgt Ion:114 Resp: 2750714
Ion Ratio Lower Upper
114 100
63 25.7 21.8 32.6
88 18.3 15.2 22.8

Manual Integrations
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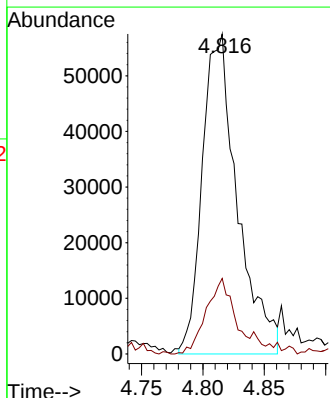
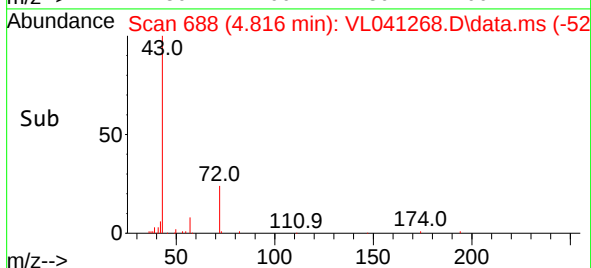
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

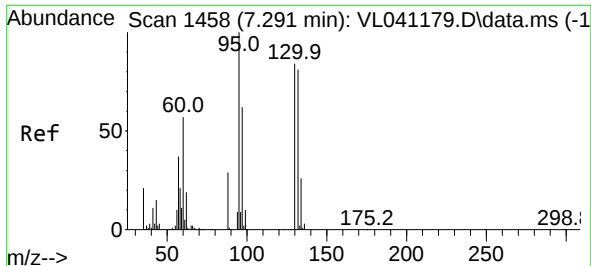


#34
2-Butanone
Concen: 0.816 ppbv m
RT: 4.816 min Scan# 688
Delta R.T. 0.023 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52



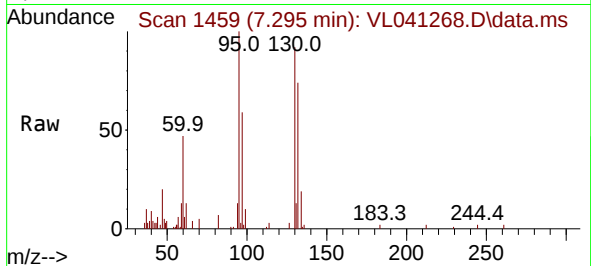
Tgt Ion: 43 Resp: 114214
Ion Ratio Lower Upper
43 100
72 22.4 17.3 25.9





#38
Trichloroethene
Concen: 0.253 ppbv m
RT: 7.295 min Scan# 1458
Delta R.T. 0.003 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52

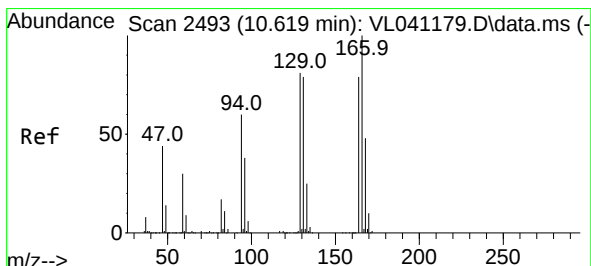
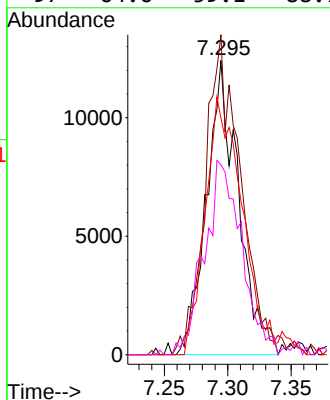
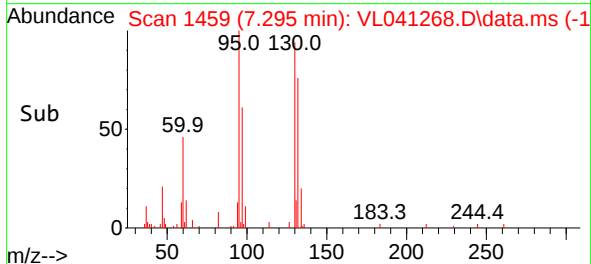
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



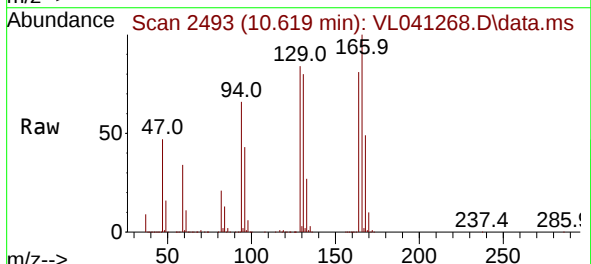
Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.8	95.0	142.6
132	80.5	77.0	115.4
97	64.6	59.1	88.7

Manual Integrations
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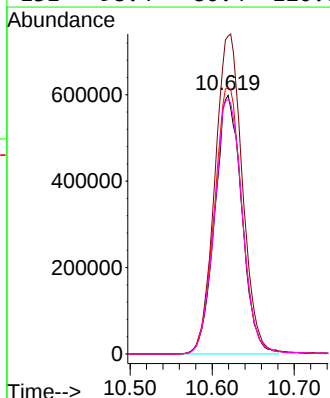
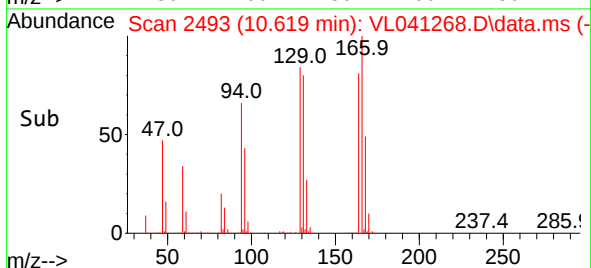
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

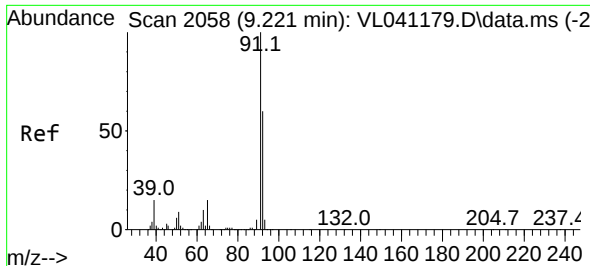


#52
Tetrachloroethene
Concen: 16.833 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. 0.003 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52



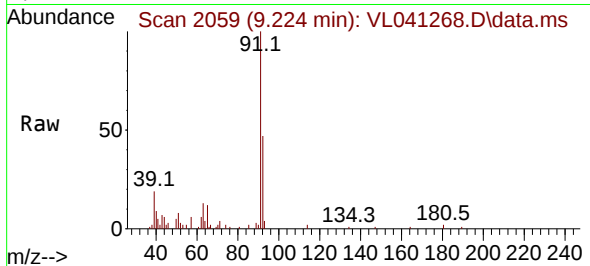
Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	101.1	151.7
129	103.2	81.7	122.5
131	98.4	80.4	120.6





#53
Toluene
Concen: 0.108 ppbv m
RT: 9.224 min Scan# 2058
Delta R.T. 0.003 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52

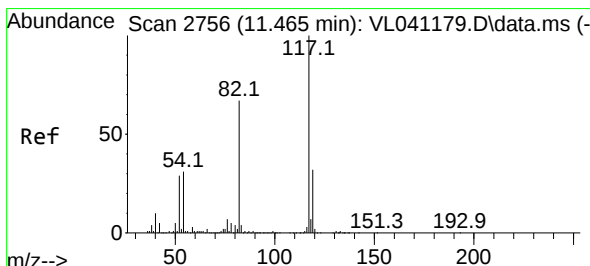
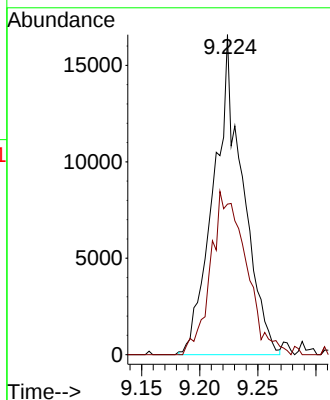
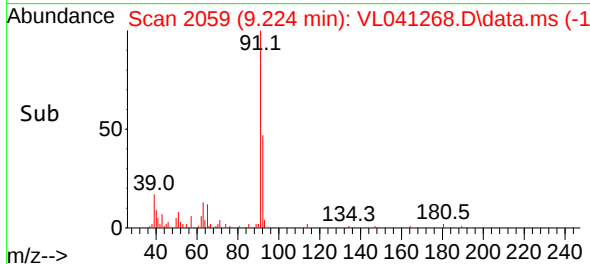
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



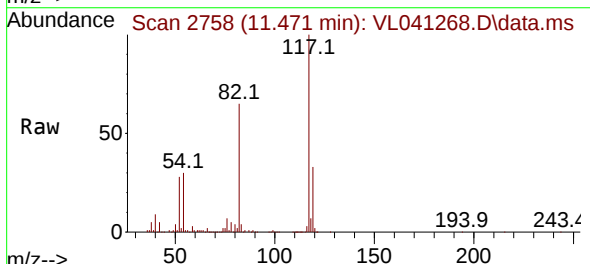
Tgt Ion: 91 Resp: 28910
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4

Manual Integrations
APPROVED

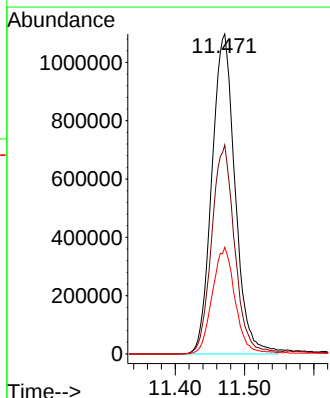
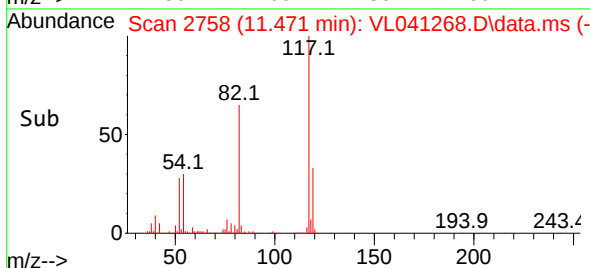
Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024

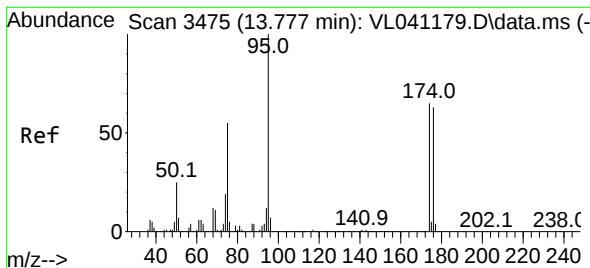


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. 0.006 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52



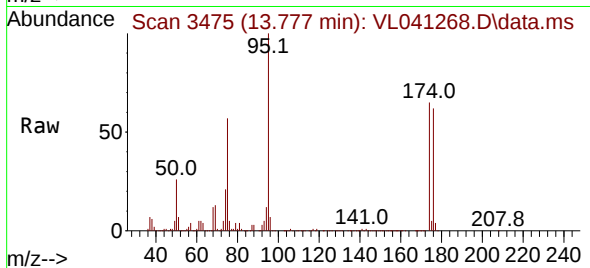
Tgt Ion:117 Resp: 2554954
Ion Ratio Lower Upper
117 100
82 65.0 53.6 80.4
119 33.0 27.2 40.8





#68
1-Bromo-4-Fluorobenzene
Concen: 10.394 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52

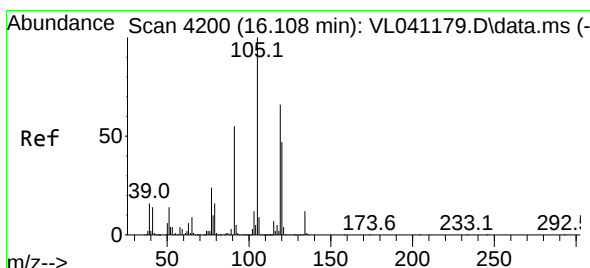
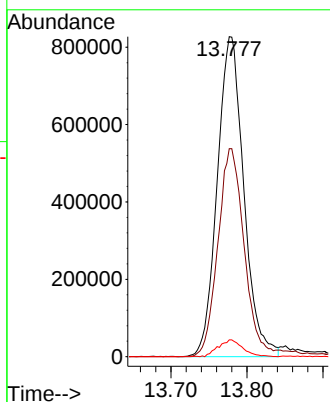
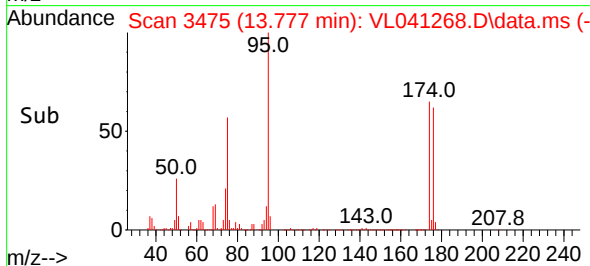
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



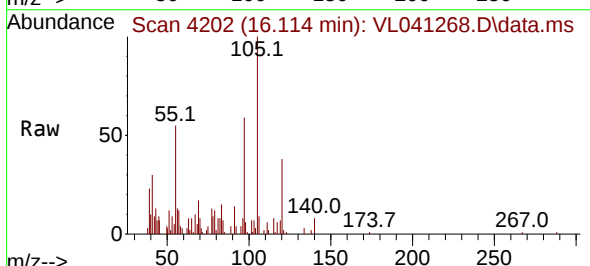
Tgt Ion: 95 Resp: 2004820
Ion Ratio Lower Upper
95 100
174 67.6 53.6 80.4
175 4.9 4.2 6.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2024
Supervised By :Mahesh Dadoda 05/22/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.134 ppbv m
RT: 16.114 min Scan# 4202
Delta R.T. 0.010 min
Lab File: VL041268.D
Acq: 21 May 2024 16:52



Tgt Ion:105 Resp: 41380
Ion Ratio Lower Upper
105 100
120 38.2 37.8 56.6
91 14.1 44.3 66.5#
77 13.0 19.0 28.4#

