

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082224\
 Data File : VL041587.D
 Acq On : 22 Aug 2024 14:55
 Operator : SY/MD
 Sample : P3710-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CD130DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/23/2024
 Supervised By :Mahesh Dadoda 08/23/2024

Quant Time: Aug 23 01:32:44 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 23 15:16:08 2024

QLast Update : Fri Aug 23 01:15:26 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	879355	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2277950	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2146868	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1655989	10.023	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.748	85	21634	0.143	ppbv	94
3) Chlorodifluoromethane	2.694	51	7007555	66.941	ppbv	96
13) Ethanol	3.266	45	17233m	4.009	ppbv	
15) Acetone	3.491	43	150605	1.507	ppbv	99
19) Isopropyl Alcohol	3.603	45	23356m	0.400	ppbv	
20) Methylene Chloride	3.944	84	66683	1.790	ppbv	95
26) Hexane	5.211	57	51449	0.625	ppbv	# 52
32) 1,1,1-Trichloroethane	6.009	97	4422m	0.034	ppbv	
34) 2-Butanone	4.806	43	21625m	0.196	ppbv	
35) Carbon Tetrachloride	6.488	117	25603	0.204	ppbv	97
38) Trichloroethene	7.285	130	674239	8.842	ppbv	96
44) 2,2,4-Trimethylpentane	7.317	57	161653	0.581	ppbv	92
52) Tetrachloroethene	10.600	164	37281m	0.580	ppbv	
53) Toluene	9.211	91	1428594	7.705	ppbv	99
58) Ethyl Benzene	12.069	91	41381m	0.167	ppbv	
59) m/p-Xylene	12.327	91	53408m	0.250	ppbv	
60) o-Xylene	13.050	91	21140m	0.105	ppbv	
61) Styrene	12.880	104	19226m	0.211	ppbv	

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

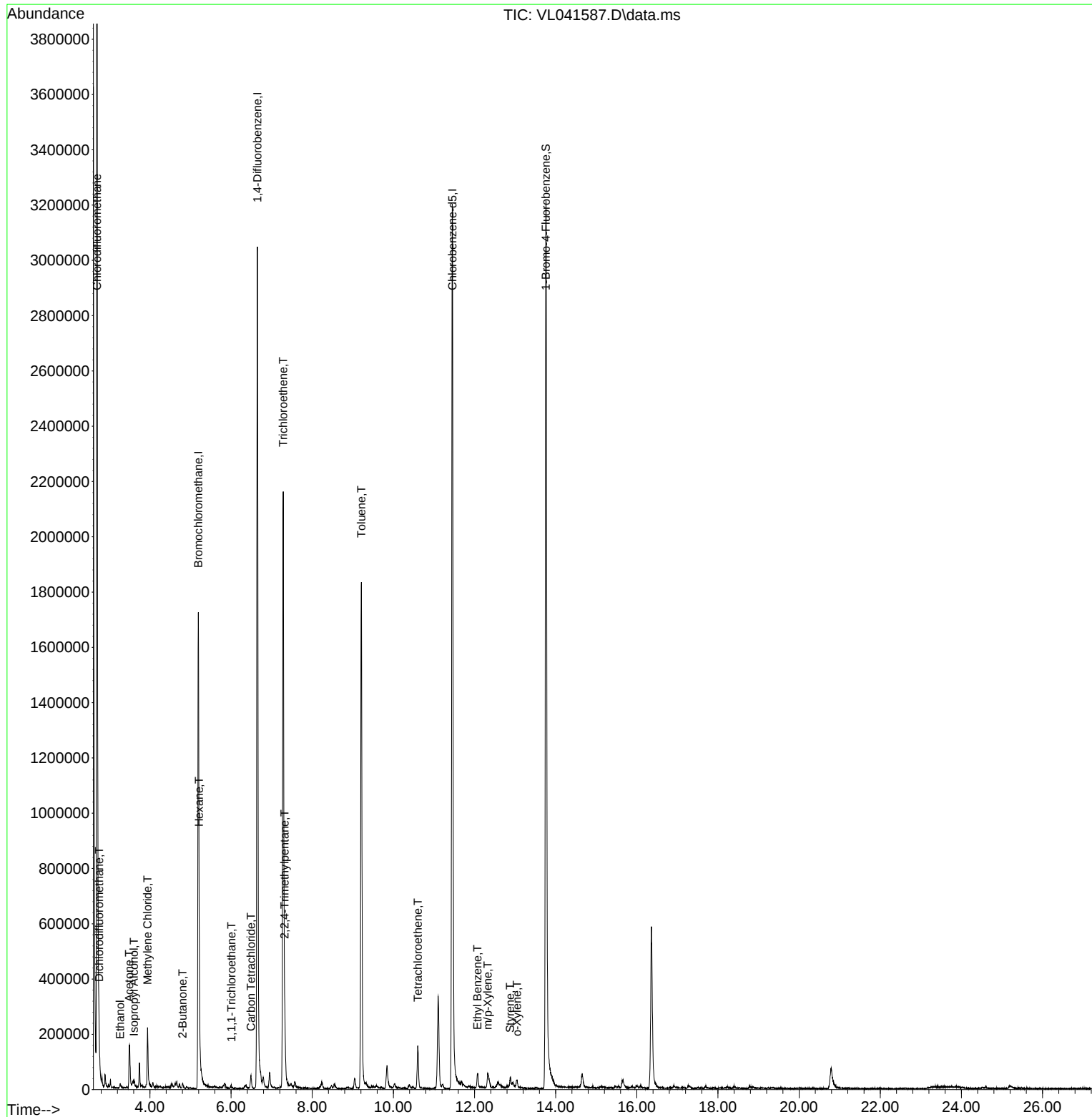
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082224\
Data File : VL041587.D
Acq On : 22 Aug 2024 14:55
Operator : SY/MD
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

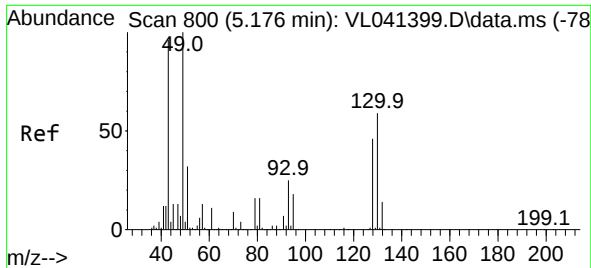
Instrument :
MSVOA_L
ClientSampleId :
CD130DL

Quant Time: Aug 23 01:32:44 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 Aug 23 01:15:26 2024
Response via : Initial Calibration

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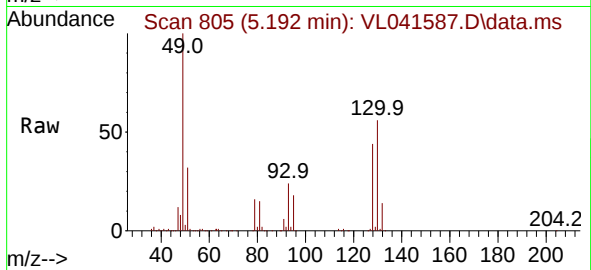
Reviewed By : Semsettin Yesilyurt 08/23/2024
Supervised By : Mahesh Dadoda 08/23/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55

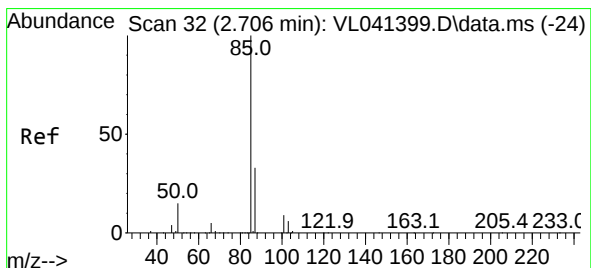
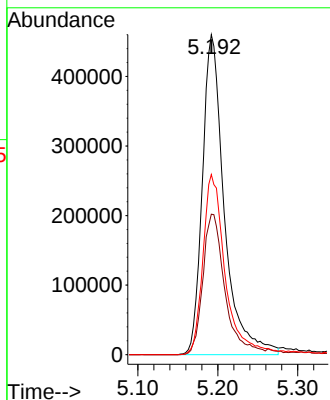
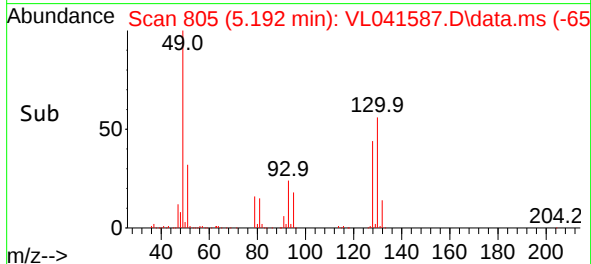
Instrument :
MSVOA_L
ClientSampleId :
CD130DL



Tgt Ion: 49 Resp: 87935
Ion Ratio Lower Upper
49 100
128 46.1 23.8 71.4
130 58.6 30.8 92.4

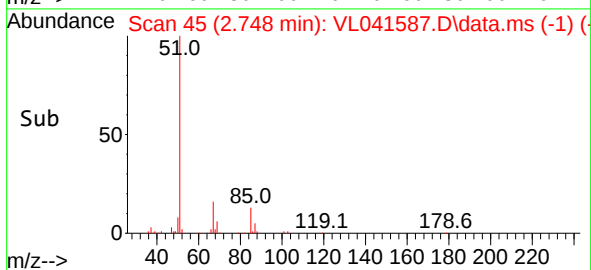
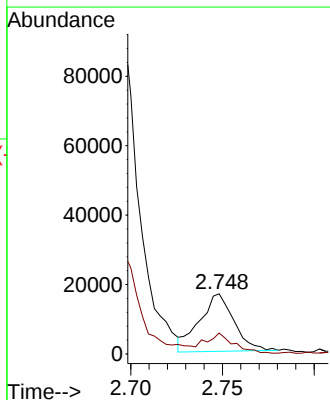
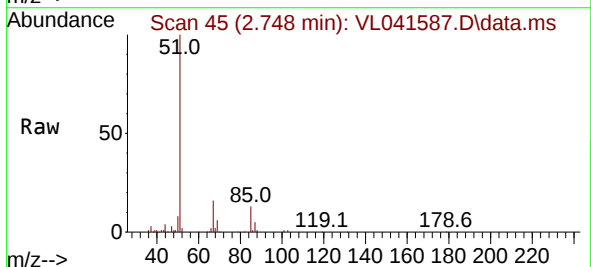
Manual Integrations
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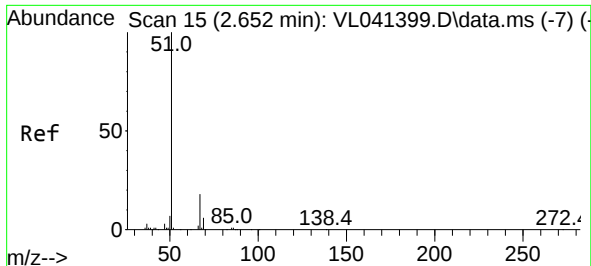
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#2
Dichlorodifluoromethane
Concen: 0.143 ppbv
RT: 2.748 min Scan# 45
Delta R.T. 0.003 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55

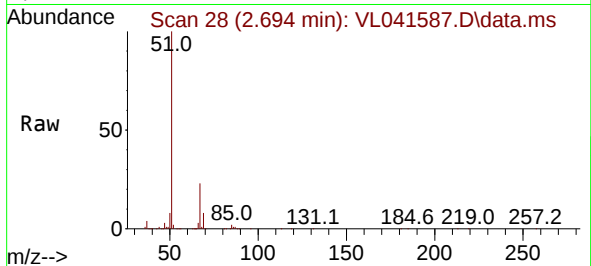
Tgt Ion: 85 Resp: 21634
Ion Ratio Lower Upper
85 100
87 35.7 26.0 39.0





#3
Chlorodifluoromethane
Concen: 66.941 ppbv
RT: 2.694 min Scan# 206
Delta R.T. 0.003 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55

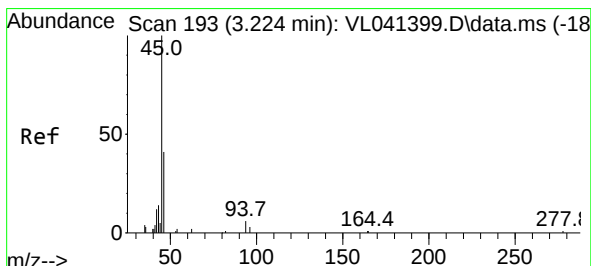
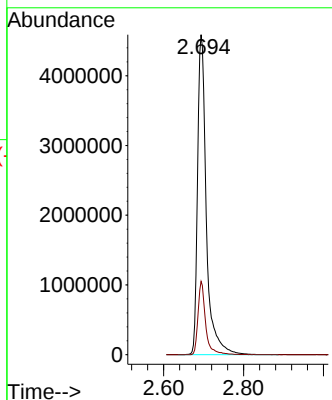
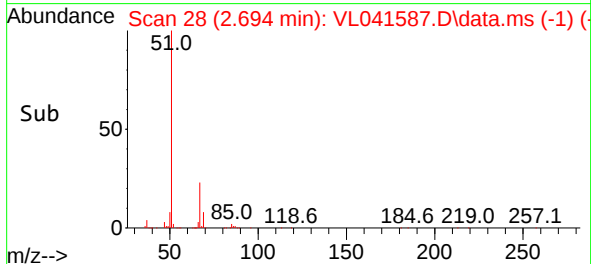
Instrument :
MSVOA_L
ClientSampleId :
CD130DL



Tgt Ion: 51 Resp: 700755
Ion Ratio Lower Upper
51 100
67 19.9 14.5 21.7

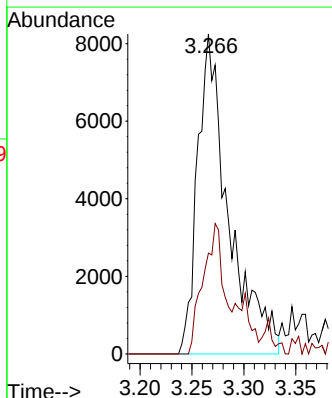
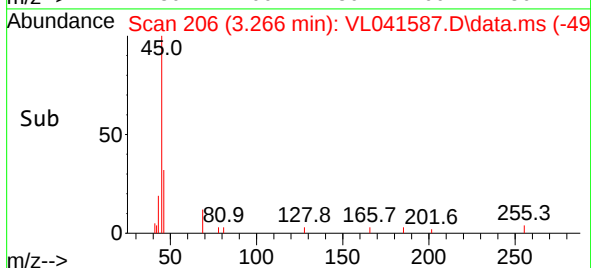
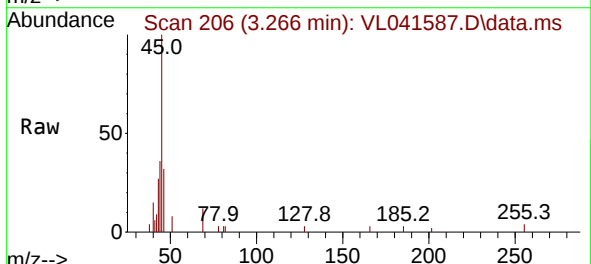
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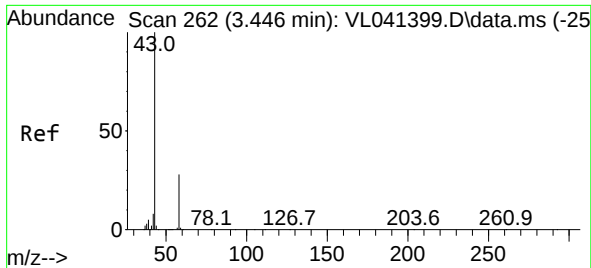
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#13
Ethanol
Concen: 4.009 ppbv m
RT: 3.266 min Scan# 206
Delta R.T. 0.003 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55

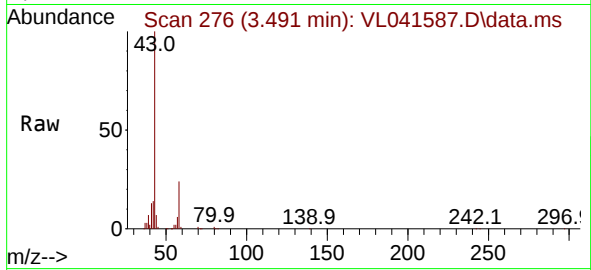
Tgt Ion: 45 Resp: 17233
Ion Ratio Lower Upper
45 100
46 39.0 13.4 53.4





#15
Acetone
Concen: 1.507 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55

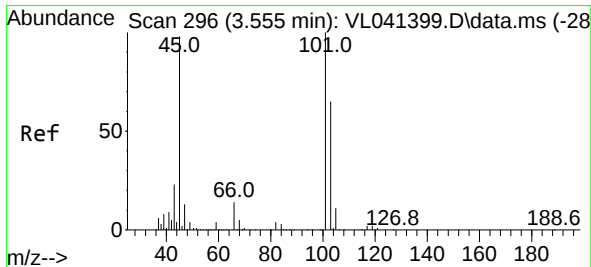
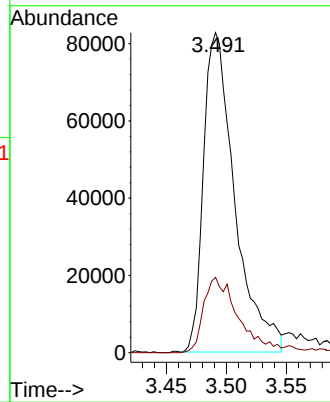
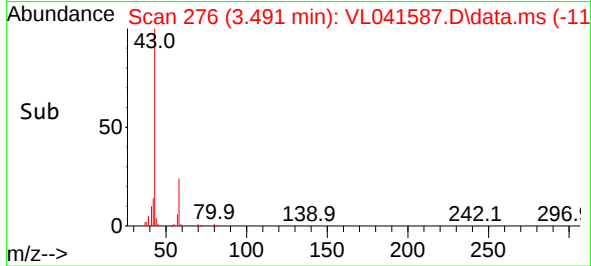
Instrument :
MSVOA_L
ClientSampleId :
CD130DL



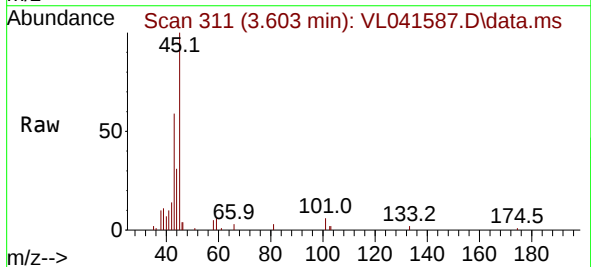
Tgt Ion: 43 Resp: 150609
Ion Ratio Lower Upper
43 100
58 27.4 21.4 32.2

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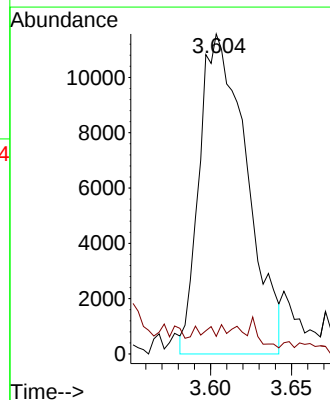
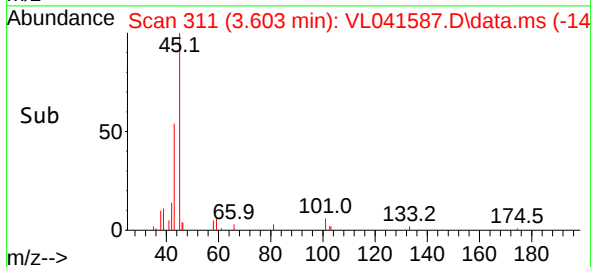
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024

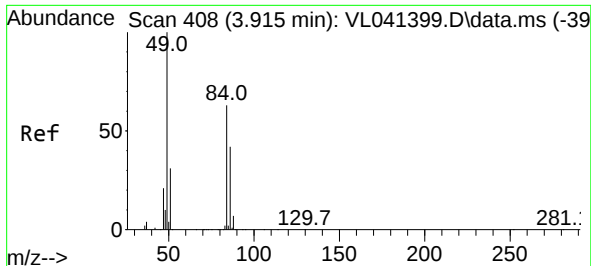


#19
Isopropyl Alcohol
Concen: 0.400 ppbv m
RT: 3.603 min Scan# 311
Delta R.T. 0.019 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55



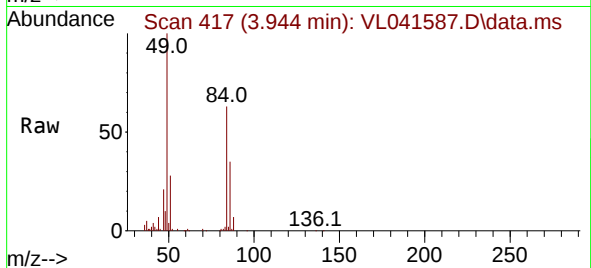
Tgt Ion: 45 Resp: 23356
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#





#20
Methylene Chloride
Concen: 1.790 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.007 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55

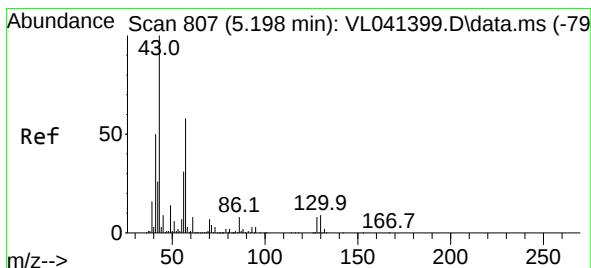
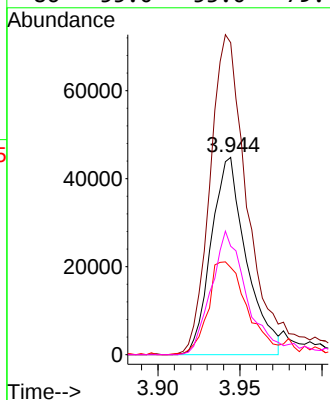
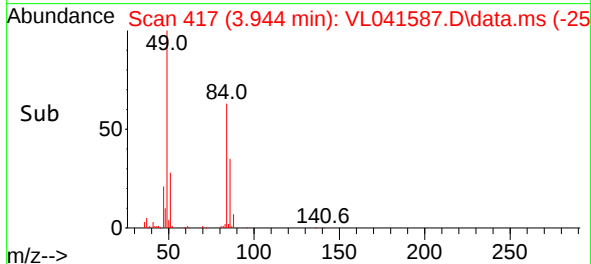
Instrument :
MSVOA_L
ClientSampleId :
CD130DL



Tgt Ion: 84 Resp: 6668
Ion Ratio Lower Upper
84 100
49 157.5 126.6 190.0
51 43.5 38.6 58.0
86 55.0 53.0 79.4

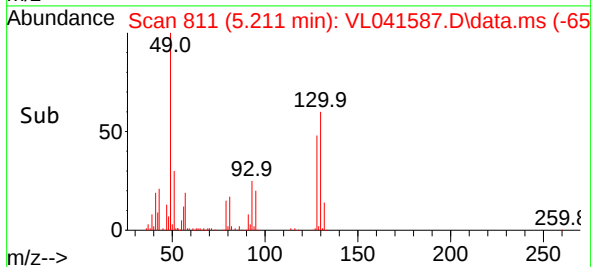
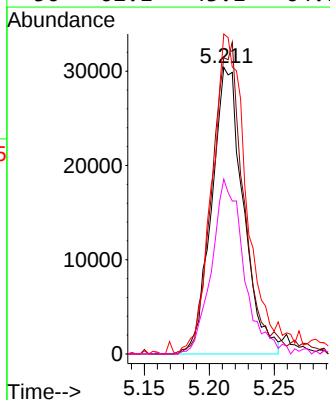
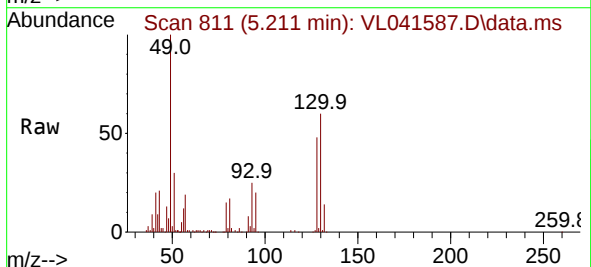
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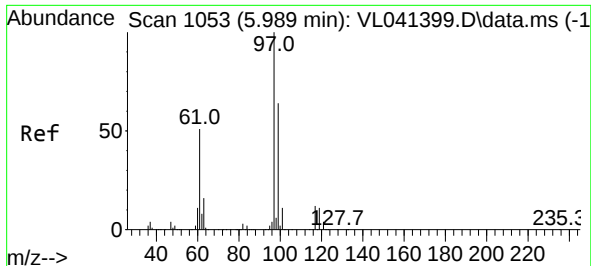
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#26
Hexane
Concen: 0.625 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.003 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55

Tgt Ion: 57 Resp: 51449
Ion Ratio Lower Upper
57 100
41 112.2 74.0 111.0#
43 129.1 193.6 290.4#
56 62.1 43.1 64.7





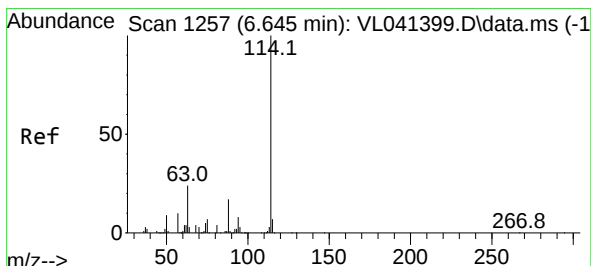
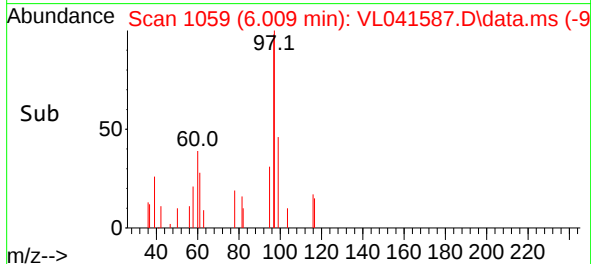
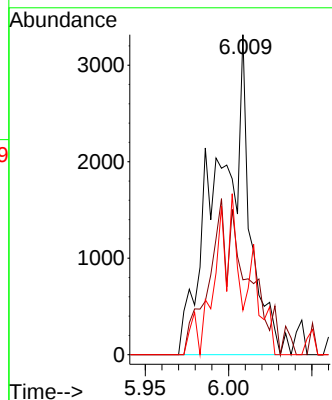
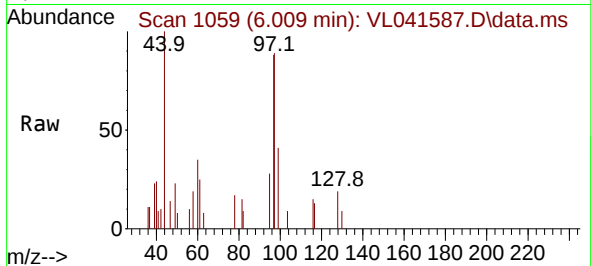
#32
 1,1,1-Trichloroethane
 Concen: 0.034 ppbv m
 RT: 6.009 min Scan# 1059
 Delta R.T. 0.007 min
 Lab File: VL041587.D
 Acq: 22 Aug 2024 14:55

Instrument :
 MSVOA_L
 ClientSampleId :
 CD130DL

Tgt Ion: 97 Resp: 442
 Ion Ratio Lower Upper
 97 100
 99 0.0 52.0 78.0
 61 47.6 41.8 62.8

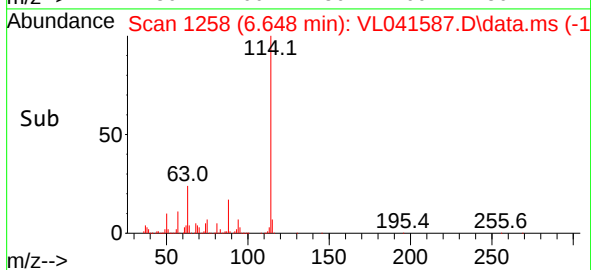
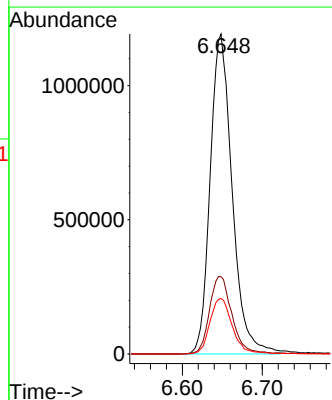
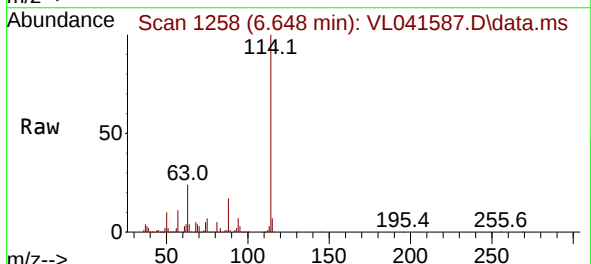
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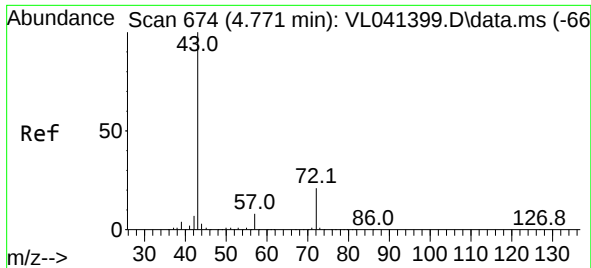
Reviewed By :Semsettin Yesilyurt 08/23/2024
 Supervised By :Mahesh Dadoda 08/23/2024



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.648 min Scan# 1258
 Delta R.T. 0.000 min
 Lab File: VL041587.D
 Acq: 22 Aug 2024 14:55

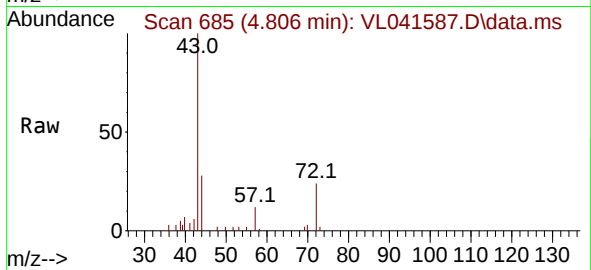
Tgt Ion:114 Resp: 2277950
 Ion Ratio Lower Upper
 114 100
 63 25.1 20.3 30.5
 88 17.8 14.3 21.5





#34
2-Butanone
Concen: 0.196 ppbv m
RT: 4.806 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55

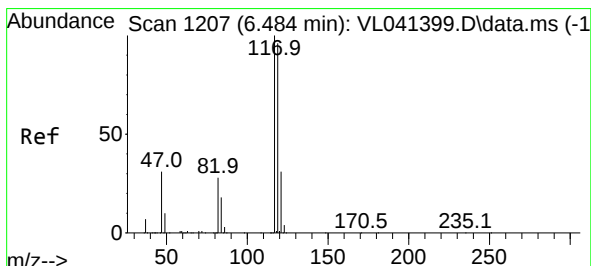
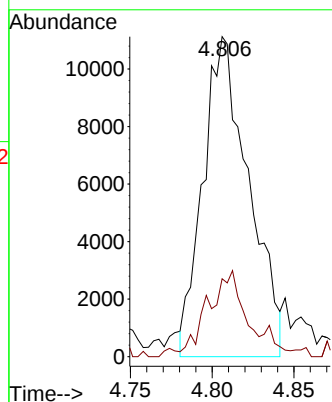
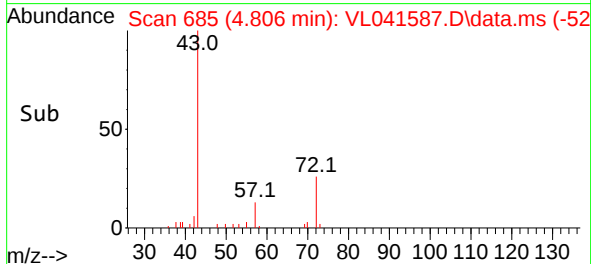
Instrument :
MSVOA_L
ClientSampleId :
CD130DL



Tgt Ion: 43 Resp: 2162
Ion Ratio Lower Upper
43 100
72 25.0 17.3 25.9

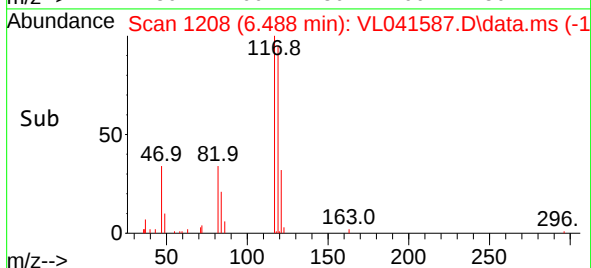
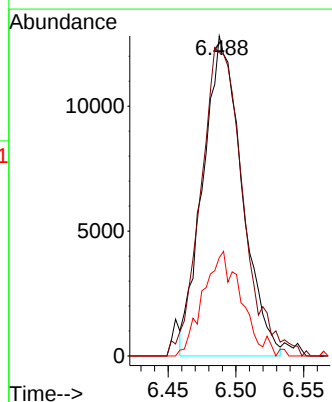
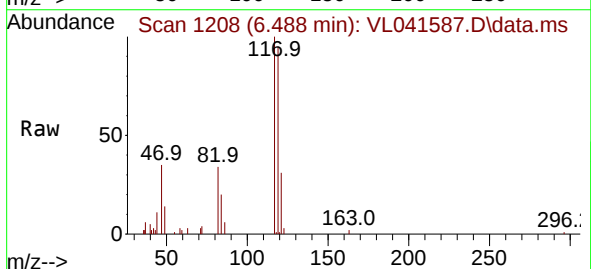
Manual Integrations
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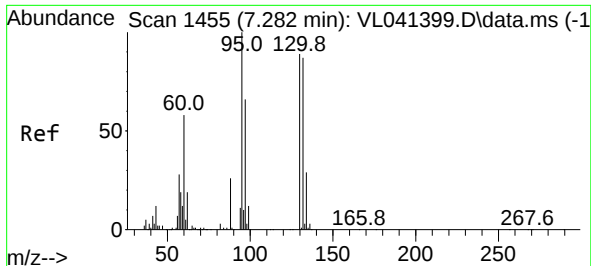
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#35
Carbon Tetrachloride
Concen: 0.204 ppbv
RT: 6.488 min Scan# 1208
Delta R.T. -0.003 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55

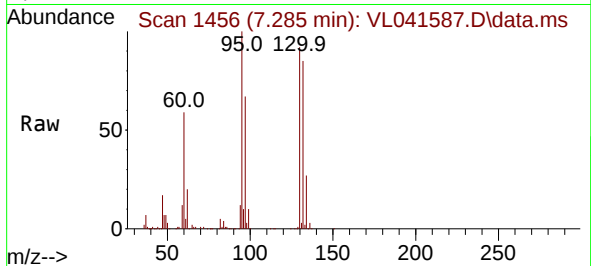
Tgt Ion:117 Resp: 25603
Ion Ratio Lower Upper
117 100
119 93.0 76.6 115.0
121 29.7 25.1 37.7





#38
Trichloroethene
Concen: 8.842 ppbv
RT: 7.285 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55

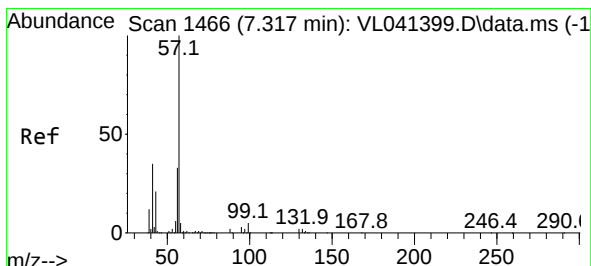
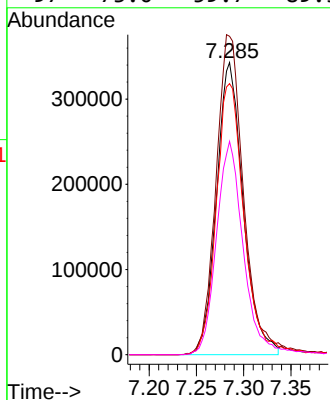
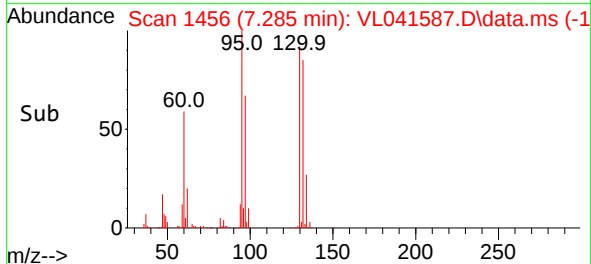
Instrument :
MSVOA_L
ClientSampleId :
CD130DL



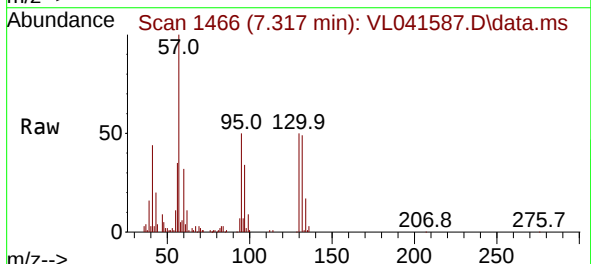
Tgt Ion:130 Resp: 674239
Ion Ratio Lower Upper
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95 109.0 90.2 135.2
132 92.8 78.1 117.1
97 73.0 59.7 89.5

Manual Integrations
APPROVED

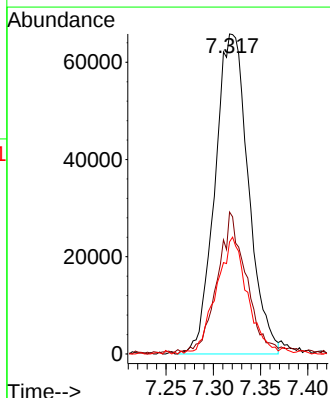
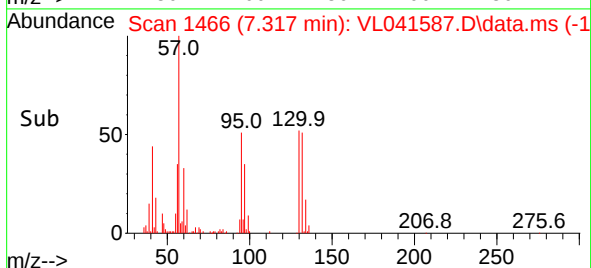
Reviewed By :Semsettin Yesilyurt 08/23/2024
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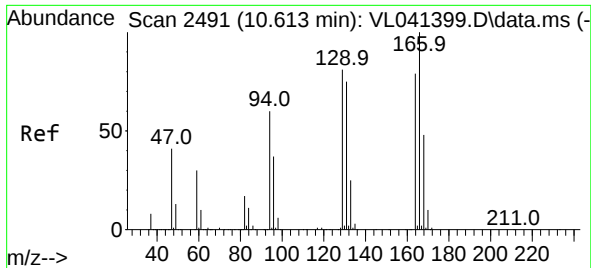


#44
2,2,4-Trimethylpentane
Concen: 0.581 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. -0.003 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55



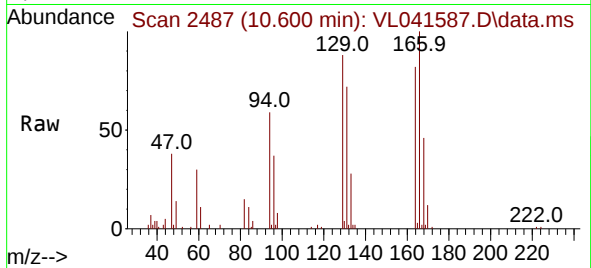
Tgt Ion: 57 Resp: 161653
Ion Ratio Lower Upper
57 100
41 39.5 27.0 40.6
56 35.1 25.2 37.8





#52
Tetrachloroethene
Concen: 0.580 ppbv m
RT: 10.600 min Scan# 2491
Delta R.T. -0.006 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55

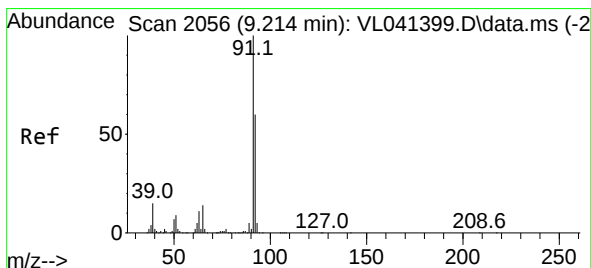
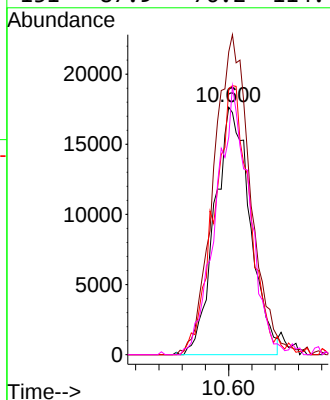
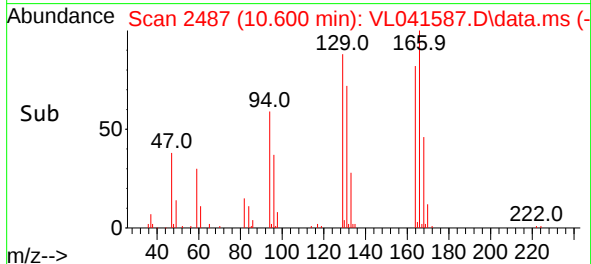
Instrument :
MSVOA_L
ClientSampleId :
CD130DL



Tgt Ion:164 Resp: 3728
Ion Ratio Lower Upper
164 100
166 122.4 101.1 151.7
129 107.6 81.7 122.5
131 87.9 76.2 114.4

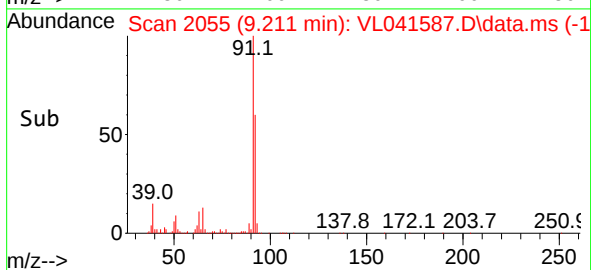
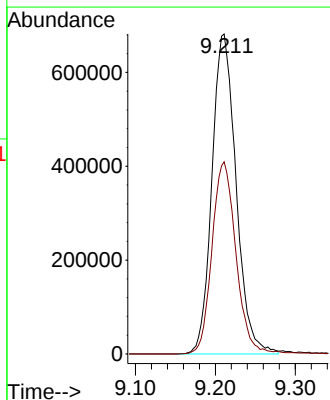
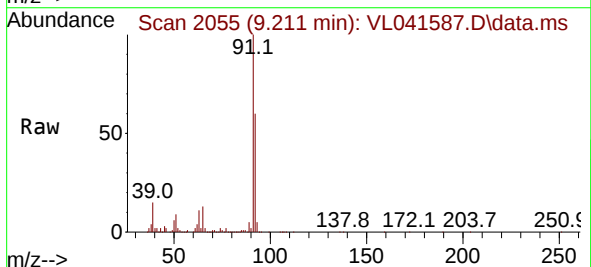
Manual Integrations
APPROVED

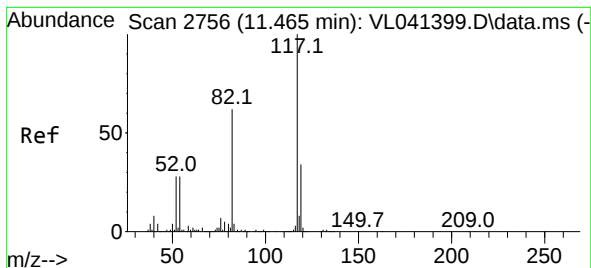
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#53
Toluene
Concen: 7.705 ppbv
RT: 9.211 min Scan# 2055
Delta R.T. 0.000 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55

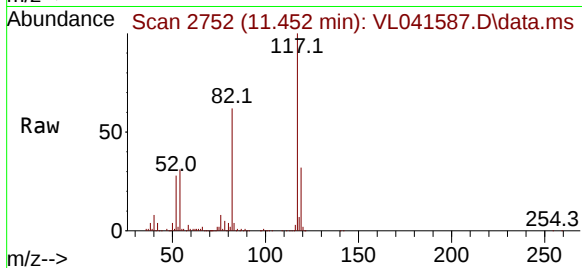
Tgt Ion: 91 Resp: 1428594
Ion Ratio Lower Upper
91 100
92 60.1 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55

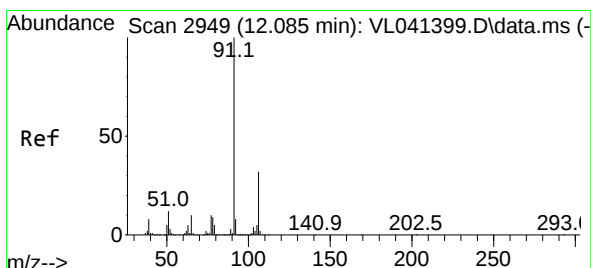
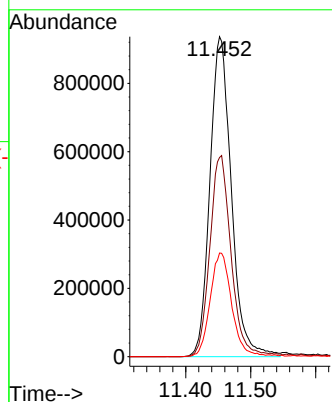
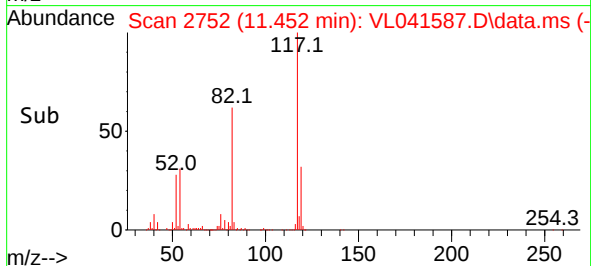
Instrument :
MSVOA_L
ClientSampleId :
CD130DL



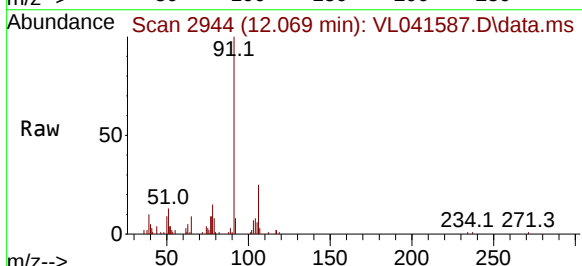
Tgt Ion: 117 Resp: 214686
Ion Ratio Lower Upper
117 100
82 63.8 51.0 76.6
119 33.0 45.2 67.8

Manual Integrations
APPROVED

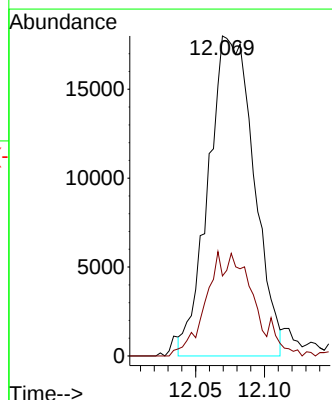
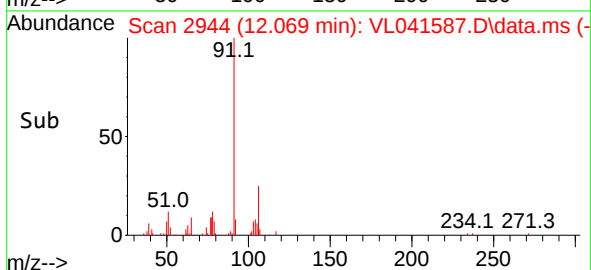
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024

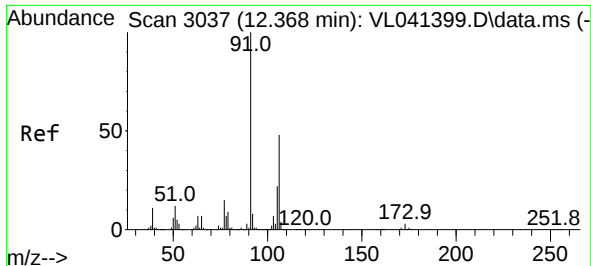


#58
Ethyl Benzene
Concen: 0.167 ppbv m
RT: 12.069 min Scan# 2944
Delta R.T. -0.006 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55



Tgt Ion: 91 Resp: 41381
Ion Ratio Lower Upper
91 100
106 25.0 25.8 38.8





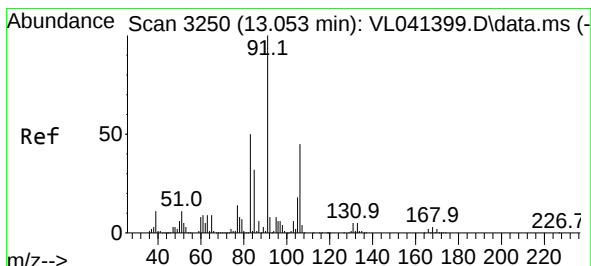
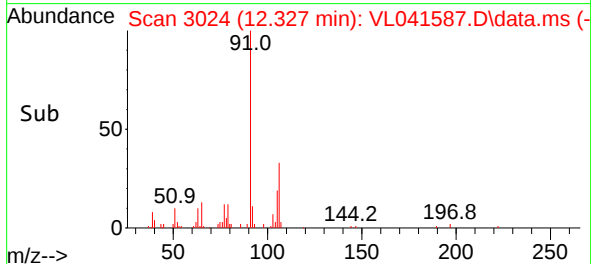
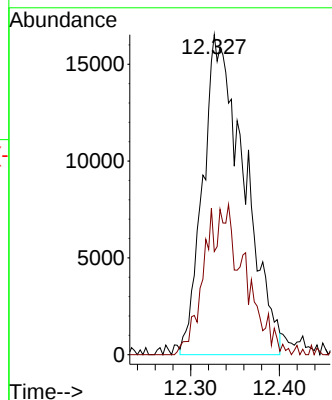
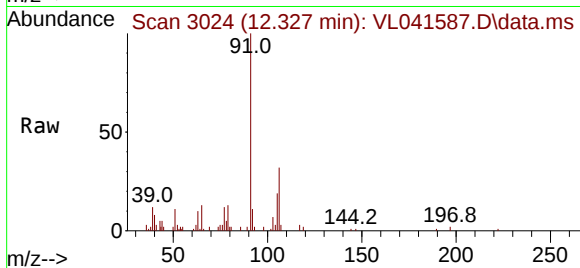
#59
m/p-Xylene
Concen: 0.250 ppbv m
RT: 12.327 min Scan# 3037
Delta R.T. -0.032 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55

Instrument :
MSVOA_L
ClientSampleId :
CD130DL

Tgt Ion: 91 Resp: 53408
Ion Ratio Lower Upper
91 100
106 46.0 36.3 54.5

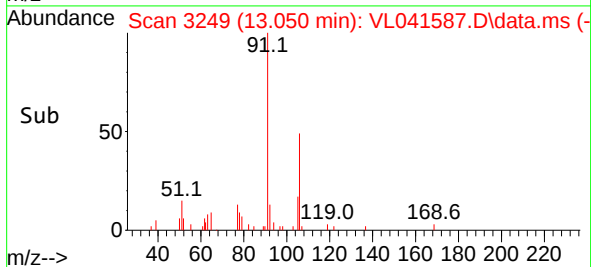
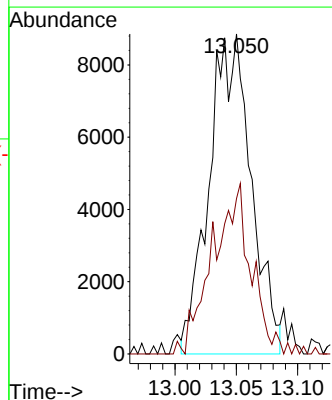
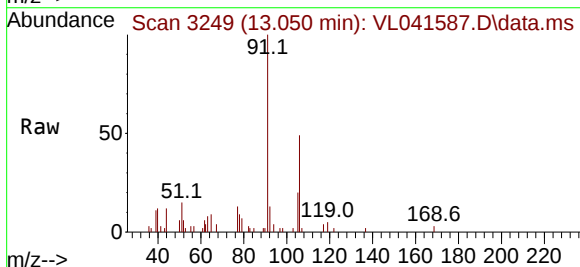
Manual Integrations
APPROVED

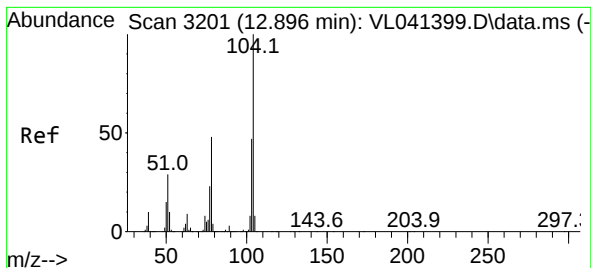
Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#60
o-Xylene
Concen: 0.105 ppbv m
RT: 13.050 min Scan# 3249
Delta R.T. 0.003 min
Lab File: VL041587.D
Acq: 22 Aug 2024 14:55

Tgt Ion: 91 Resp: 21140
Ion Ratio Lower Upper
91 100
106 0.0 23.1 69.3#





#61

Styrene

Concen: 0.211 ppbv m

RT: 12.880 min Scan# 3196

Delta R.T. -0.003 min

Lab File: VL041587.D

Acq: 22 Aug 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

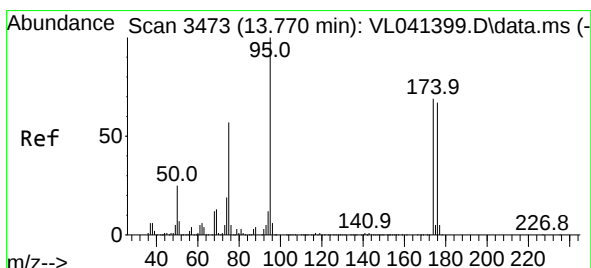
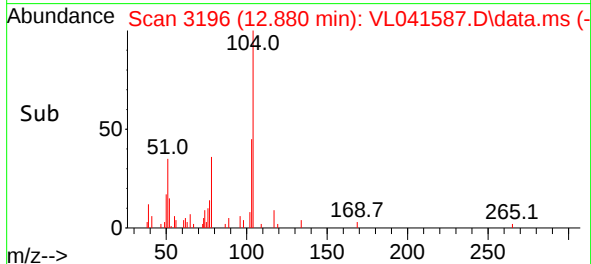
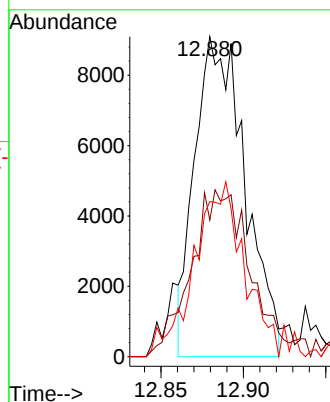
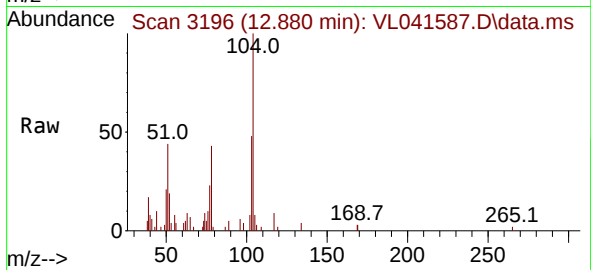
CD130DL

Tgt Ion:	104	Resp:	19220
Ion Ratio	Lower	Upper	
104	100		
78	63.8	40.8	61.2
103	0.0	38.2	57.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/23/2024
Supervised By :Mahesh Dadoda 08/23/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.023 ppbv

RT: 13.761 min Scan# 3470

Delta R.T. -0.003 min

Lab File: VL041587.D

Acq: 22 Aug 2024 14:55

Tgt Ion:	95	Resp:	1655989
Ion Ratio	Lower	Upper	
95	100		
174	69.5	56.3	84.5
175	5.2	4.0	6.0

