

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
 Data File : VL040880.D
 Acq On : 15 Nov 2023 22:43
 Operator : SY/MD
 Sample : 05277-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-4DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/20/2023
 Supervised By :Mahesh Dadoda 11/21/2023

Quant Time: Nov 16 06:34:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Mon Nov 13 15:42:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.202	49	982795	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.652	114	2391351	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.446	117	2096606	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1637626	9.976	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
15) Acetone	3.494	43	902139	8.619	ppbv	93
20) Methylene Chloride	3.954	84	256962	5.949	ppbv	98
26) Hexane	5.224	57	152841m	1.593	ppbv	
36) Benzene	6.375	78	91197m	0.470	ppbv	
53) Toluene	9.205	91	29629m	0.139	ppbv	

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

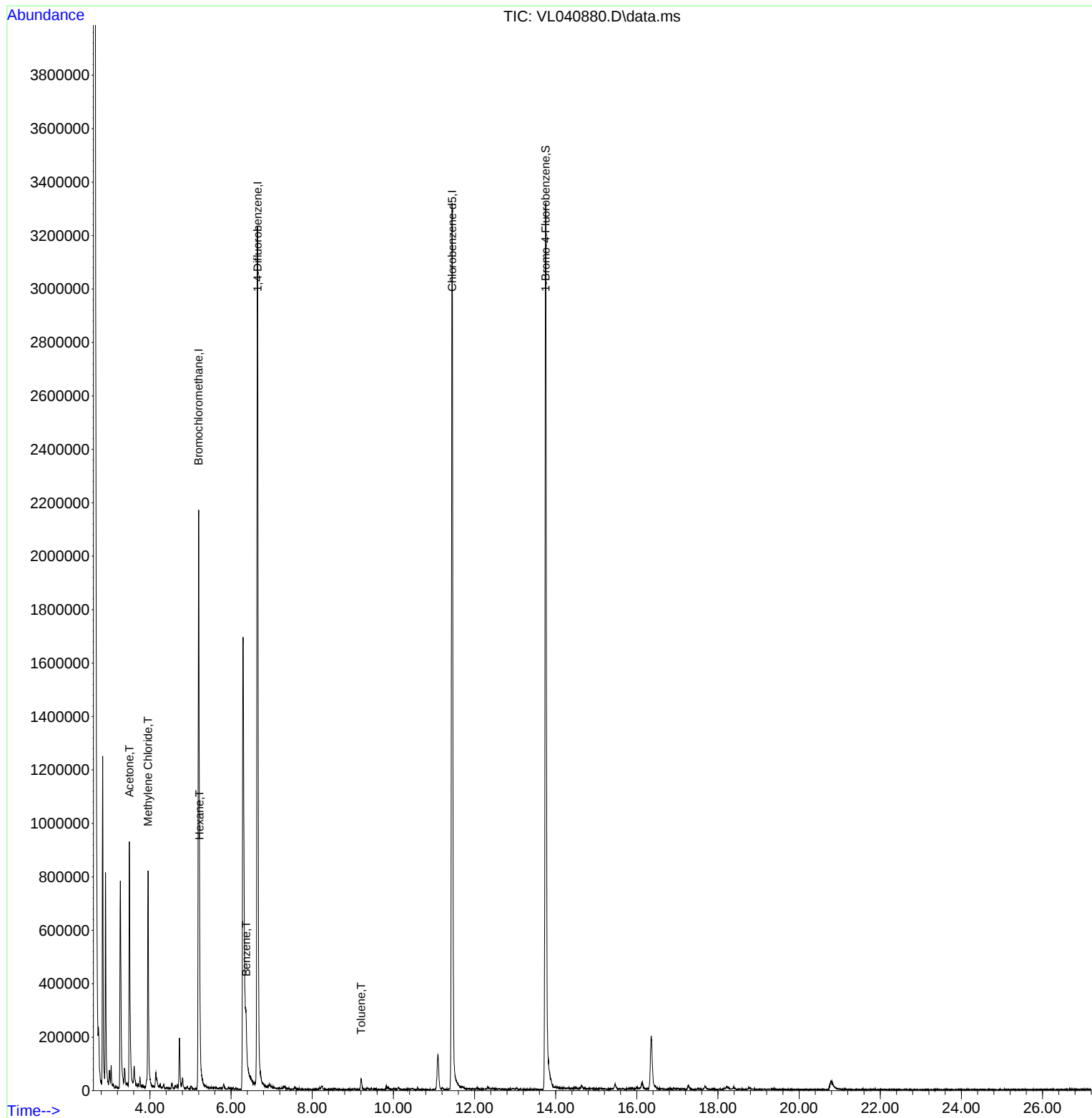
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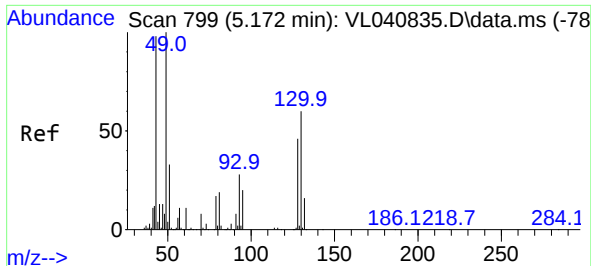
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-4DL

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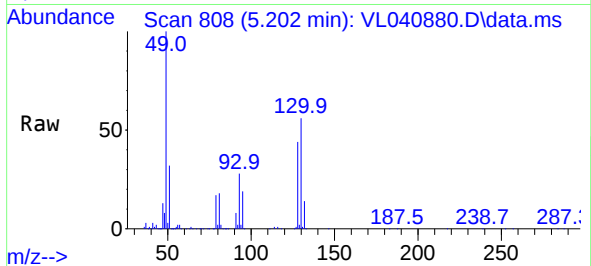
Reviewed By : Semsettin Yesilyurt 11/20/2023
Supervised By : Mahesh Dadoda 11/21/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.202 min Scan# 80
Delta R.T. 0.030 min
Lab File: VL040880.D
Acq: 15 Nov 2023 22:43

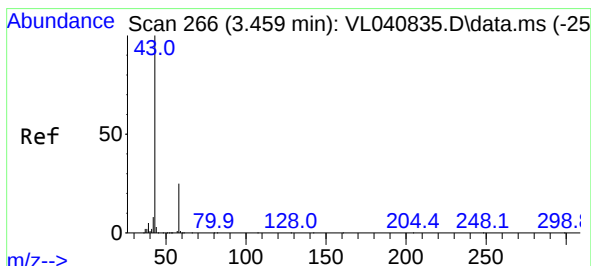
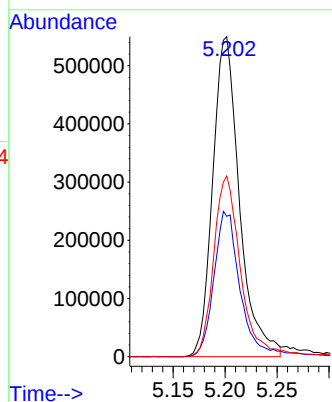
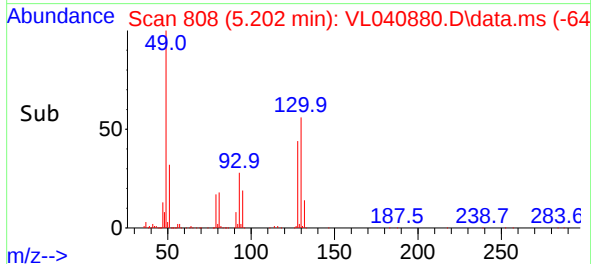
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-4DL



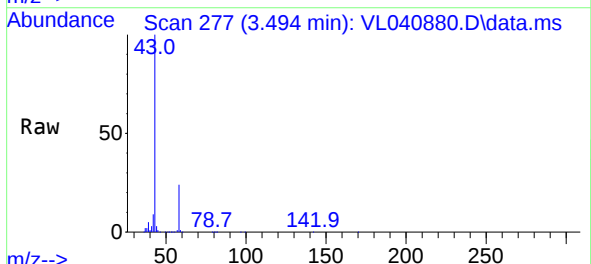
Tgt Ion: 49 Resp: 98279
Ion Ratio Lower Upper
49 100
128 46.3 23.8 71.2
130 58.3 30.9 92.8

Manual Integrations
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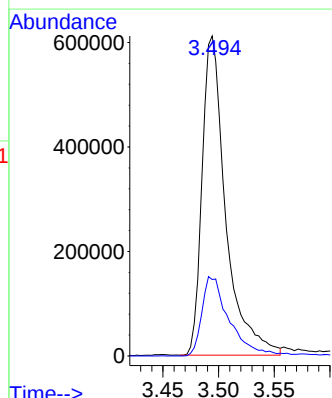
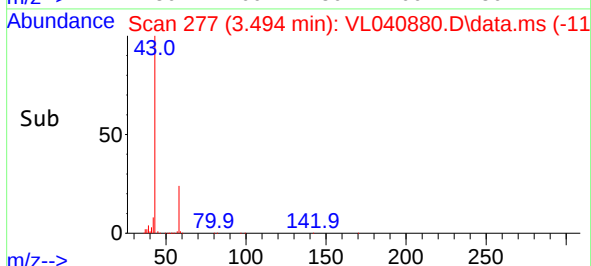
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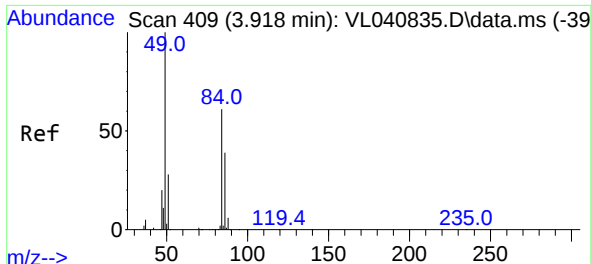


#15
Acetone
Concen: 8.619 ppbv
RT: 3.494 min Scan# 277
Delta R.T. 0.035 min
Lab File: VL040880.D
Acq: 15 Nov 2023 22:43



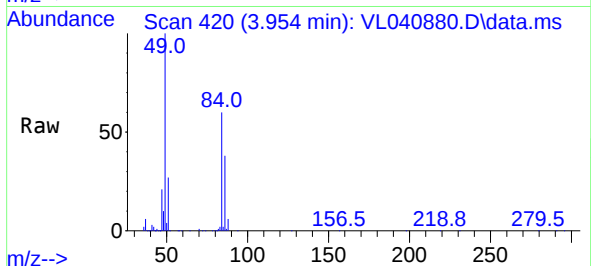
Tgt Ion: 43 Resp: 902139
Ion Ratio Lower Upper
43 100
58 29.6 20.9 31.3





#20
Methylene Chloride
Concen: 5.949 ppbv
RT: 3.954 min Scan# 41
Delta R.T. 0.035 min
Lab File: VL040880.D
Acq: 15 Nov 2023 22:43

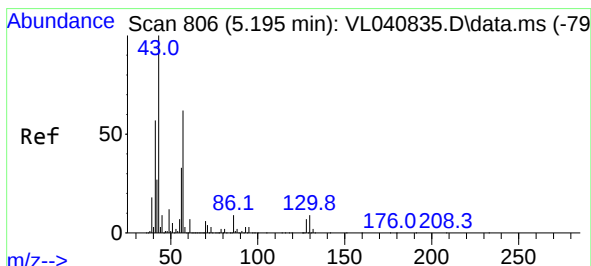
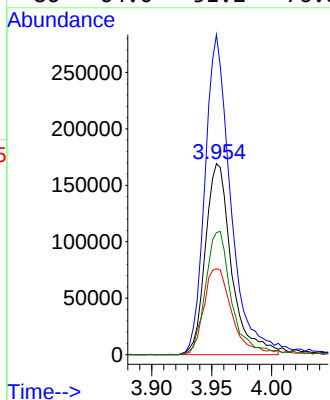
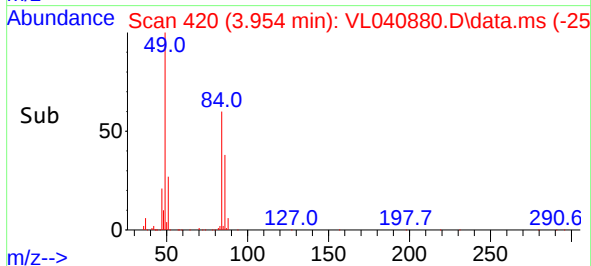
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MSVOA_L
ClientSampleId :
NT-SS-4DL



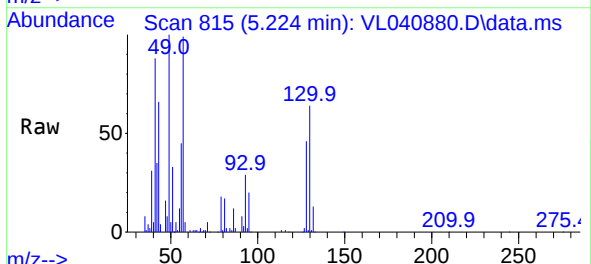
Tgt Ion: 84 Resp: 256962
Ion Ratio Lower Upper
84 100
49 167.1 131.0 196.4
51 44.9 36.9 55.3
86 64.0 51.2 76.8

Manual Integrations
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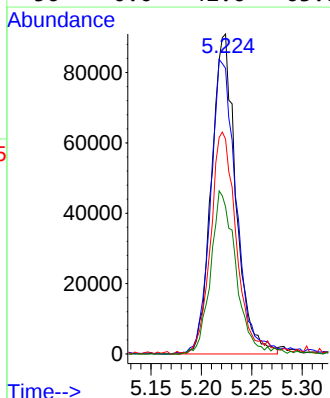
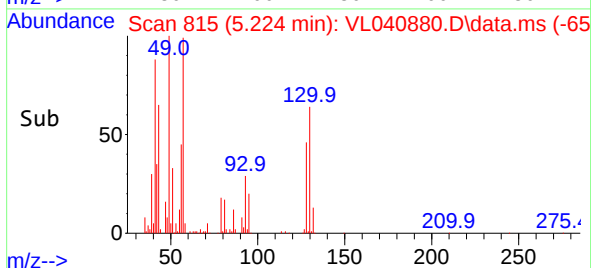
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Supervised By :Mahesh Dadoda 11/21/2023

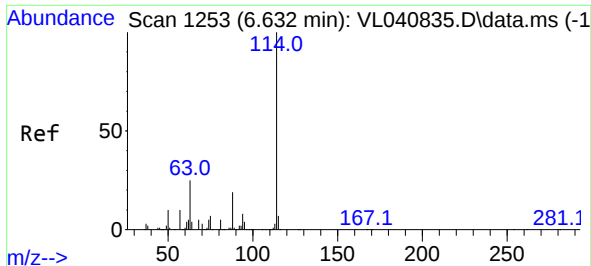


#26
Hexane
Concen: 1.593 ppbv m
RT: 5.224 min Scan# 815
Delta R.T. 0.029 min
Lab File: VL040880.D
Acq: 15 Nov 2023 22:43



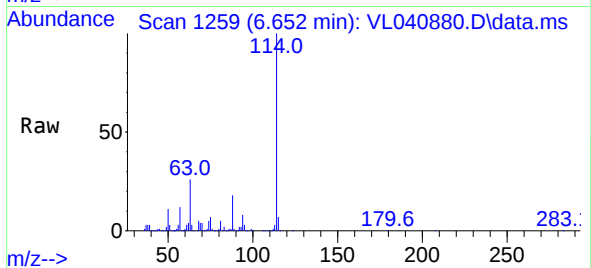
Tgt Ion: 57 Resp: 152841
Ion Ratio Lower Upper
57 100
41 0.0 75.4 113.0#
43 0.0 185.9 278.9#
56 0.0 42.6 63.8#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1173
Delta R.T. 0.019 min
Lab File: VL040880.D
Acq: 15 Nov 2023 22:43

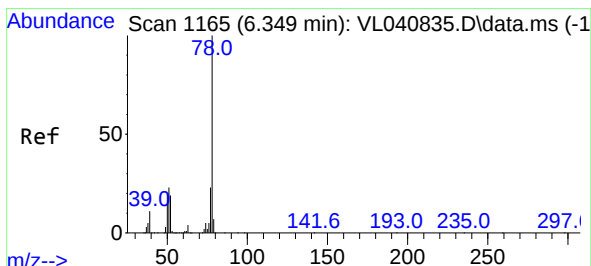
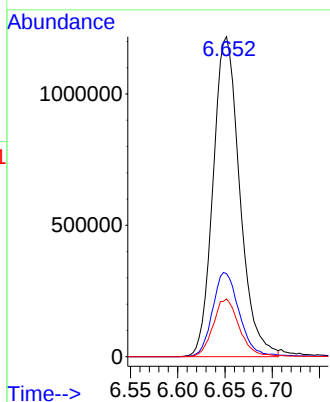
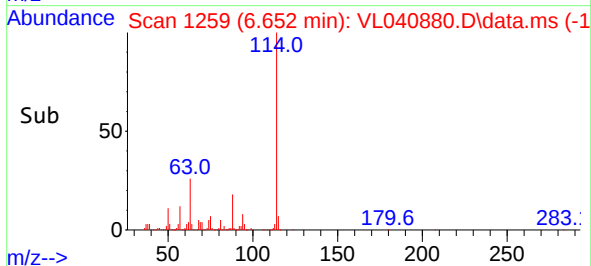
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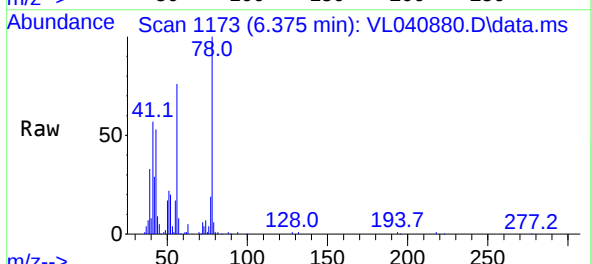
Tgt Ion: 114 Resp: 239135
Ion Ratio Lower Upper
114 100
63 26.9 20.9 31.3
88 17.9 14.3 21.5

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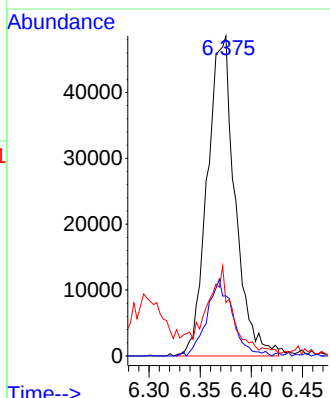
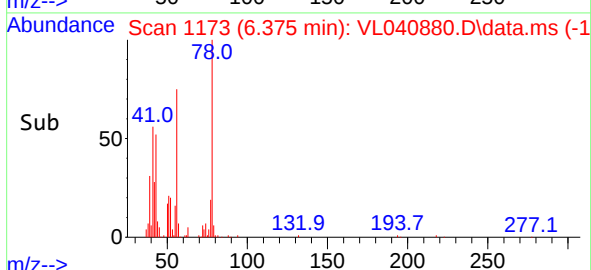
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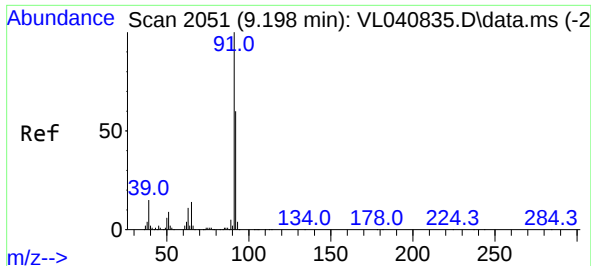


#36
Benzene
Concen: 0.470 ppbv m
RT: 6.375 min Scan# 1173
Delta R.T. 0.026 min
Lab File: VL040880.D
Acq: 15 Nov 2023 22:43



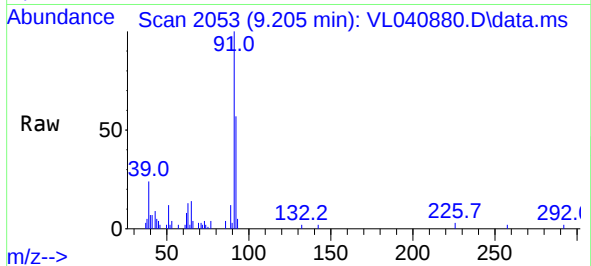
Tgt Ion: 78 Resp: 91197
Ion Ratio Lower Upper
78 100
77 18.8 18.4 27.6
50 16.7 16.2 24.2





#53
Toluene
Concen: 0.139 ppbv m
RT: 9.205 min Scan# 2051
Delta R.T. 0.007 min
Lab File: VL040880.D
Acq: 15 Nov 2023 22:43

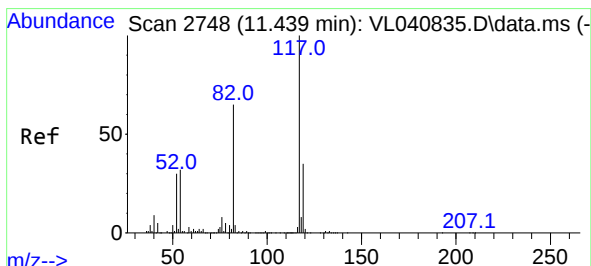
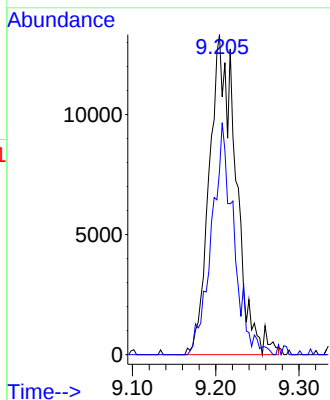
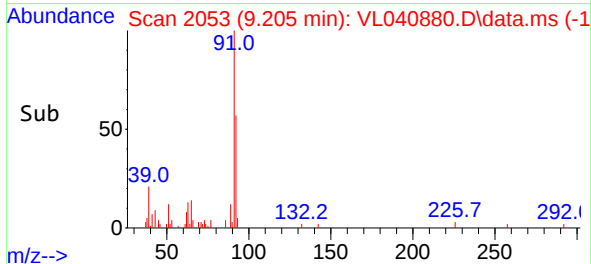
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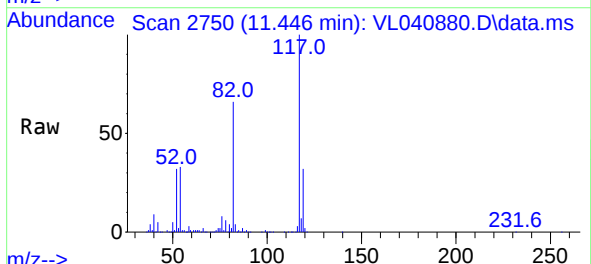
Tgt Ion: 91 Resp: 29629
Ion Ratio Lower Upper
91 100
92 0.0 49.4 74.2

Manual Integrations
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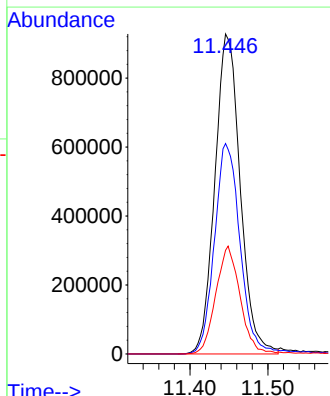
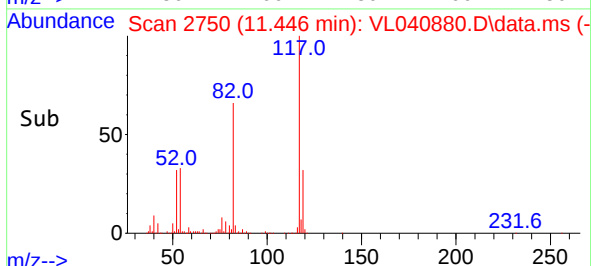
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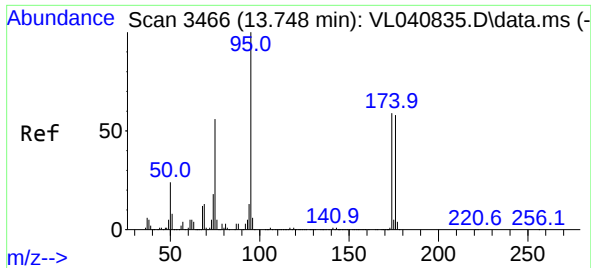


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 2750
Delta R.T. 0.007 min
Lab File: VL040880.D
Acq: 15 Nov 2023 22:43



Tgt Ion:117 Resp: 2096606
Ion Ratio Lower Upper
117 100
82 67.4 50.6 75.8
119 32.9 23.3 34.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.976 ppbv
 RT: 13.754 min Scan# 3466
 Delta R.T. 0.007 min
 Lab File: VL040880.D
 Acq: 15 Nov 2023 22:43

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-4DL

Tgt Ion: 95 Resp: 1637620

Ion	Ratio	Lower	Upper
95	100		
174	61.2	47.5	71.3
175	4.5	3.6	5.4

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