

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112222\
 Data File : VL039927.D
 Acq On : 22 Nov 2022 22:08
 Operator : SY/AP
 Sample : N5767-04DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/23/2022
 Supervised By :Mahesh Dadoda 11/24/2022

Quant Time: Nov 23 04:52:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug :
 QLast Update : Tue Nov 22 03:45:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.173	49	984114	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.636	114	2759608	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2401160	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1907101	10.398	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.000%
Target Compounds						
2) Dichlorodifluoromethane	2.706	85	28027	0.199	ppbv	95
9) Propene	2.684	41	29699m	0.464	ppbv	
13) Ethanol	3.237	45	36215	7.415	ppbv	78
15) Acetone	3.459	43	112078	0.859	ppbv	98
20) Methylene Chloride	3.912	84	78205	1.237	ppbv	98
26) Hexane	5.192	57	63779m	0.609	ppbv	
29) Chloroform	5.253	83	157562	1.132	ppbv	94
52) Tetrachloroethene	10.606	164	11320m	0.129	ppbv	
53) Toluene	9.208	91	43285m	0.162	ppbv	

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

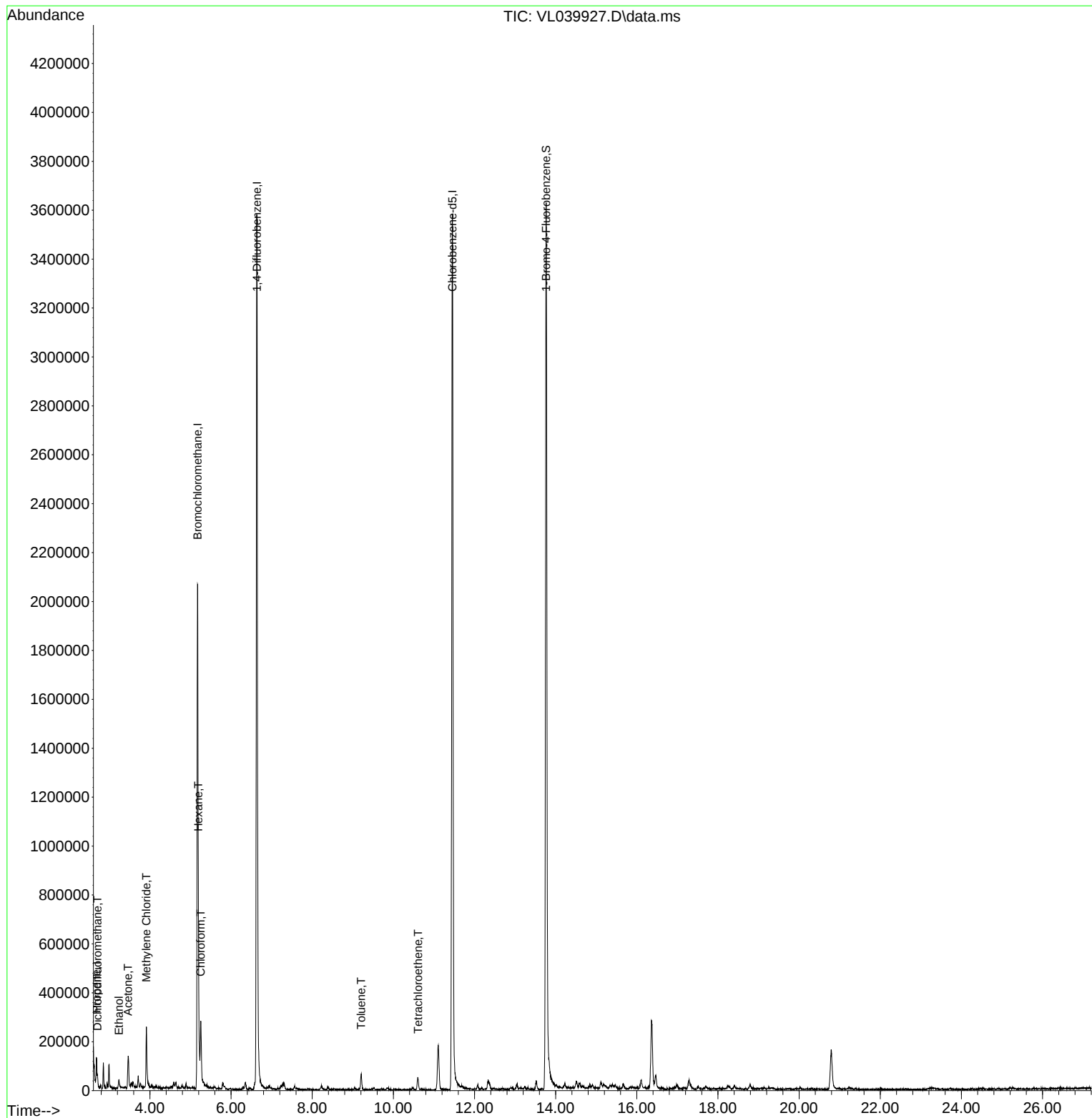
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112222\
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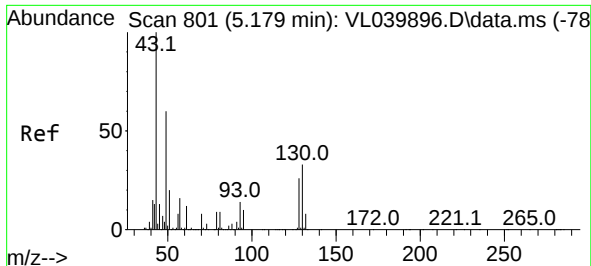
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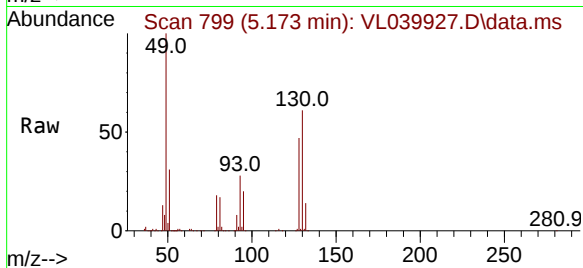
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Nov 22 03:45:31 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.173 min Scan# 79
Delta R.T. 0.017 min
Lab File: VL039927.D
Acq: 22 Nov 2022 22:08

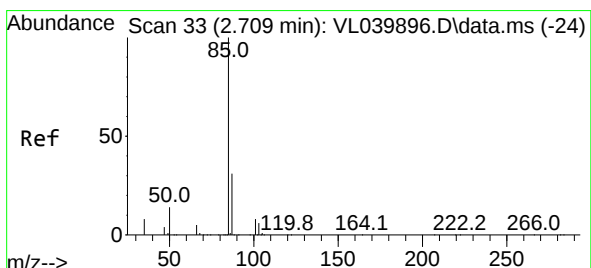
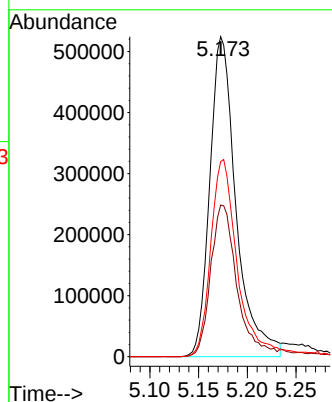
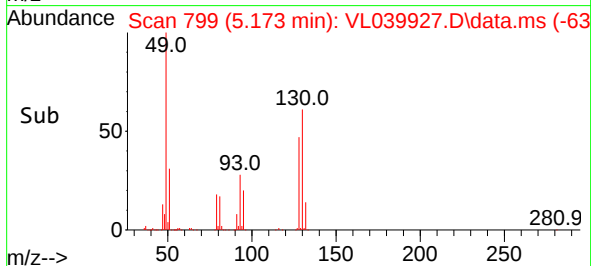
Instrument :
MSVOA_L
ClientSampleId :
IA2DL



Tgt Ion: 49 Resp: 984114
Ion Ratio Lower Upper
49 100
128 50.3 22.1 66.3
130 64.5 27.7 83.1

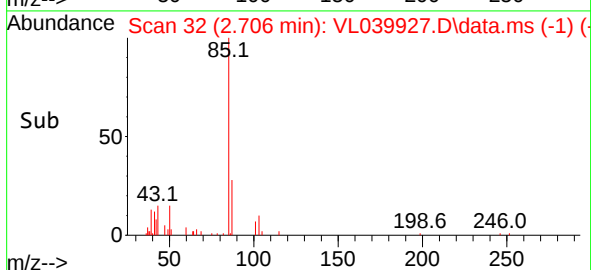
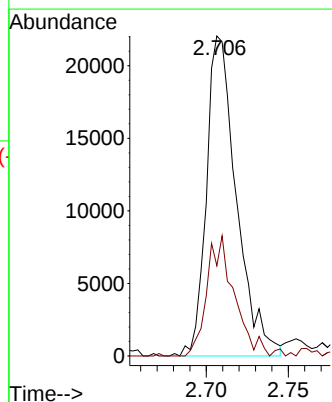
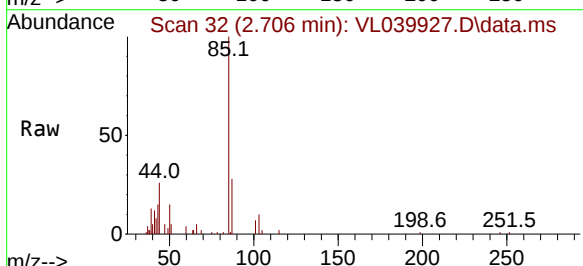
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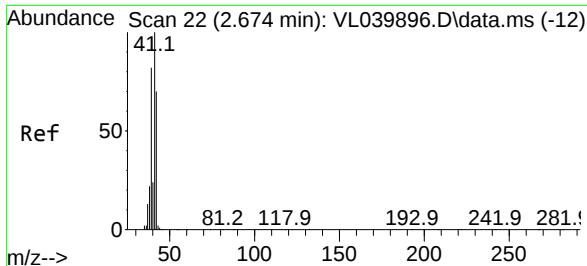
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#2
Dichlorodifluoromethane
Concen: 0.199 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.010 min
Lab File: VL039927.D
Acq: 22 Nov 2022 22:08

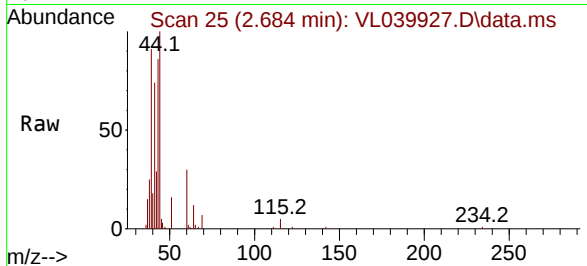
Tgt Ion: 85 Resp: 28027
Ion Ratio Lower Upper
85 100
87 28.2 25.0 37.4





#9
 Propene
 Concen: 0.464 ppbv m
 RT: 2.684 min Scan# 21
 Delta R.T. 0.023 min
 Lab File: VL039927.D
 Acq: 22 Nov 2022 22:08

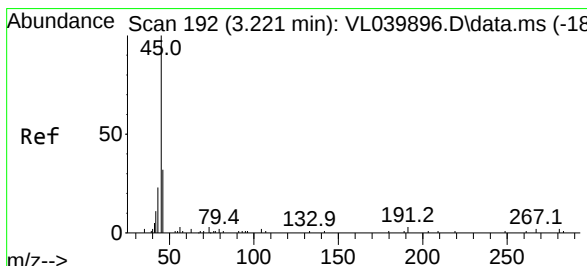
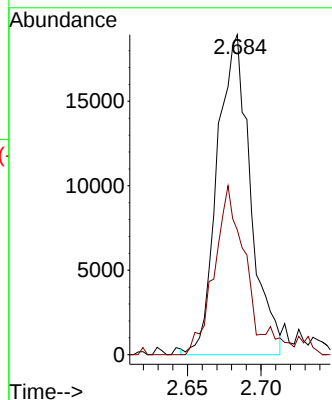
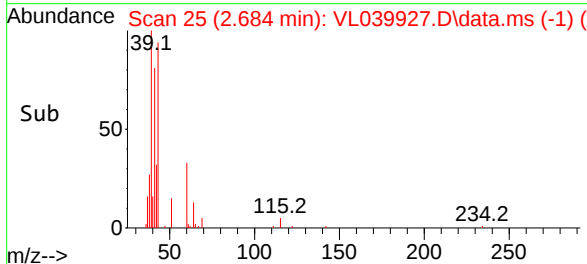
Instrument :
 MSVOA_L
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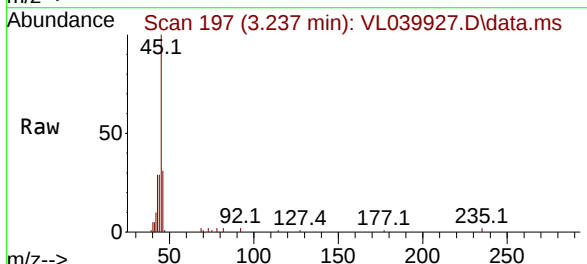
Tgt Ion: 41 Resp: 2969
 Ion Ratio Lower Upper
 41 100
 42 65.0 55.8 83.6

Manual Integrations
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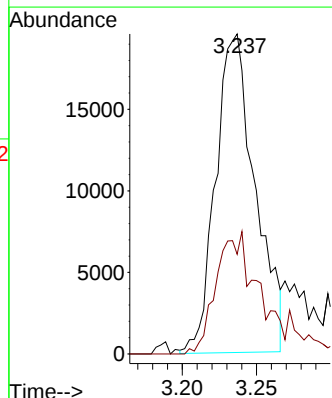
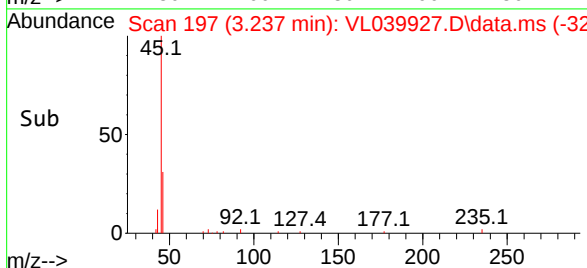
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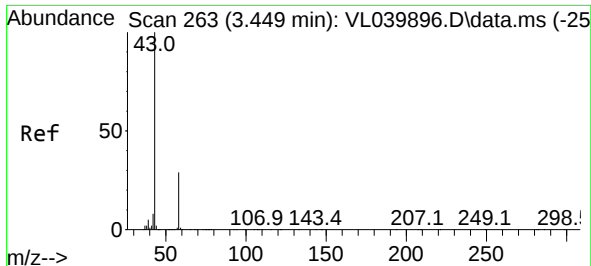


#13
 Ethanol
 Concen: 7.415 ppbv
 RT: 3.237 min Scan# 197
 Delta R.T. 0.029 min
 Lab File: VL039927.D
 Acq: 22 Nov 2022 22:08



Tgt Ion: 45 Resp: 36215
 Ion Ratio Lower Upper
 45 100
 46 49.3 14.6 58.2





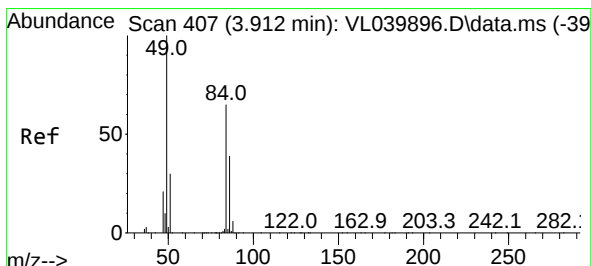
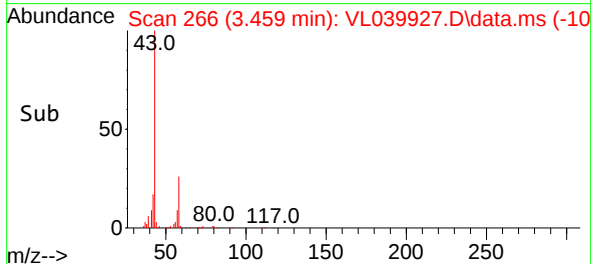
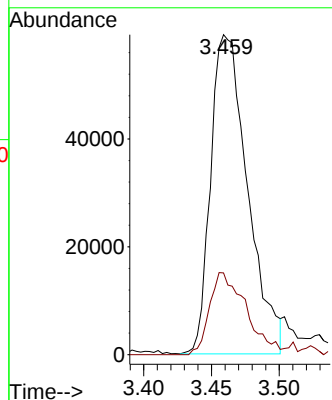
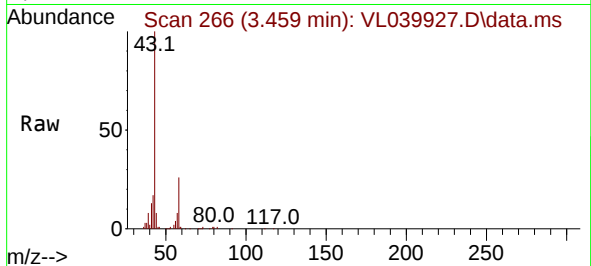
#15
Acetone
Concen: 0.859 ppbv
RT: 3.459 min Scan# 20
Delta R.T. 0.026 min
Lab File: VL039927.D
Acq: 22 Nov 2022 22:08

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 43 Resp: 112078
Ion Ratio Lower Upper
43 100
58 27.6 22.9 34.3

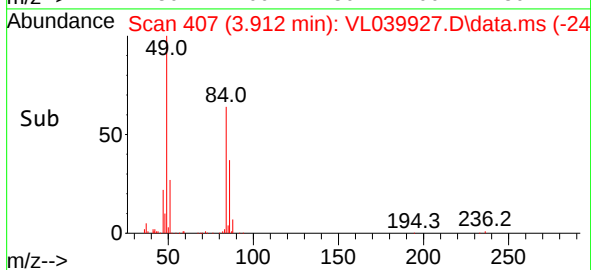
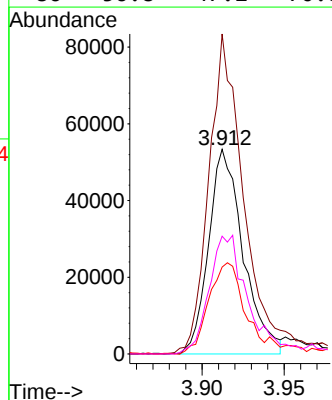
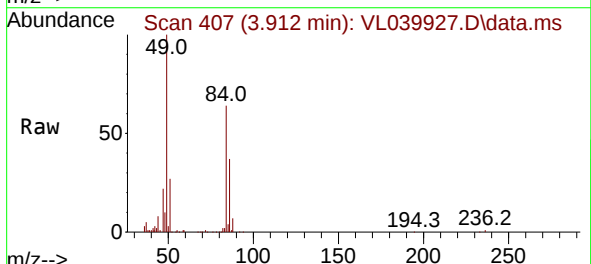
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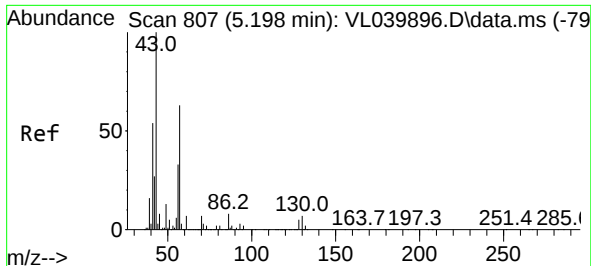
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#20
Methylene Chloride
Concen: 1.237 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.013 min
Lab File: VL039927.D
Acq: 22 Nov 2022 22:08

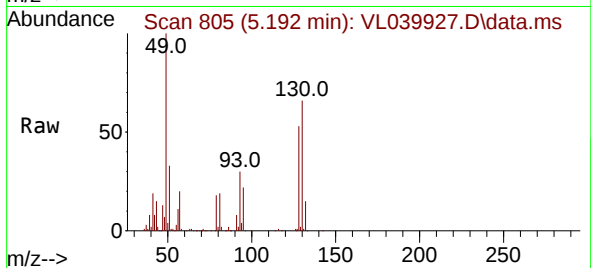
Tgt Ion: 84 Resp: 78205
Ion Ratio Lower Upper
84 100
49 153.6 122.2 183.4
51 42.5 36.3 54.5
86 56.8 47.2 70.8





#26
Hexane
Concen: 0.609 ppbv m
RT: 5.192 min Scan# 805
Delta R.T. 0.010 min
Lab File: VL039927.D
Acq: 22 Nov 2022 22:08

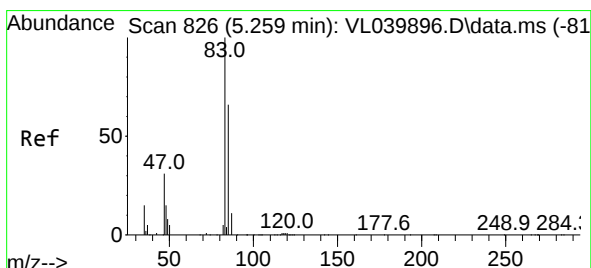
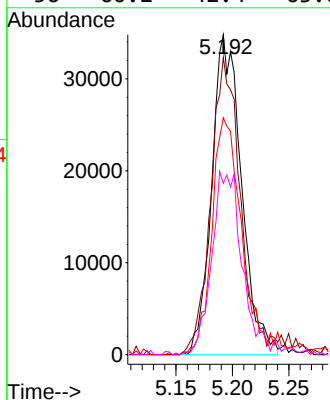
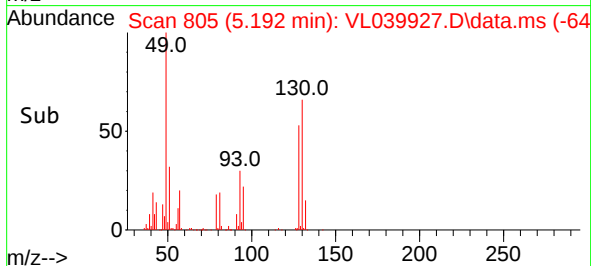
Instrument :
MSVOA_L
ClientSampleId :
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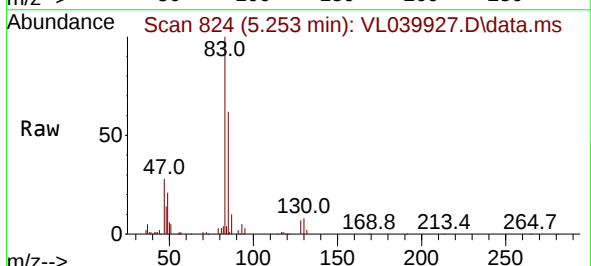
Tgt Ion: 57 Resp: 63779
Ion Ratio Lower Upper
57 100
41 97.0 72.3 108.5
43 78.5 188.7 283.1
56 60.2 42.4 63.6

Manual Integrations
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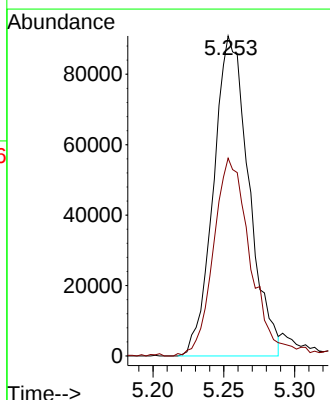
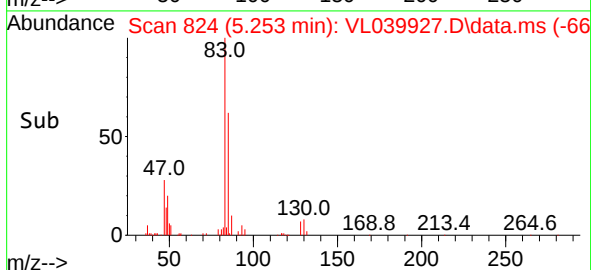
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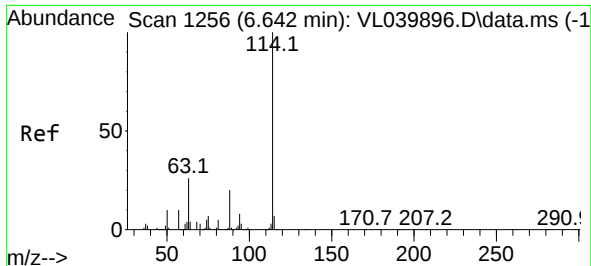


#29
Chloroform
Concen: 1.132 ppbv
RT: 5.253 min Scan# 824
Delta R.T. 0.013 min
Lab File: VL039927.D
Acq: 22 Nov 2022 22:08



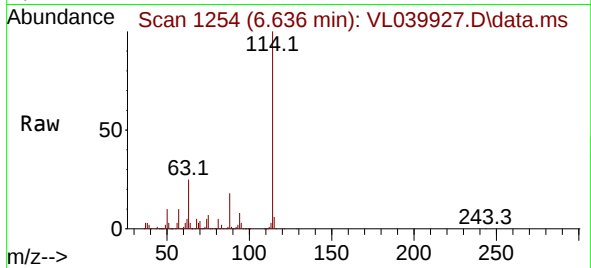
Tgt Ion: 83 Resp: 157562
Ion Ratio Lower Upper
83 100
85 61.1 52.4 78.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.636 min Scan# 114
Delta R.T. 0.016 min
Lab File: VL039927.D
Acq: 22 Nov 2022 22:08

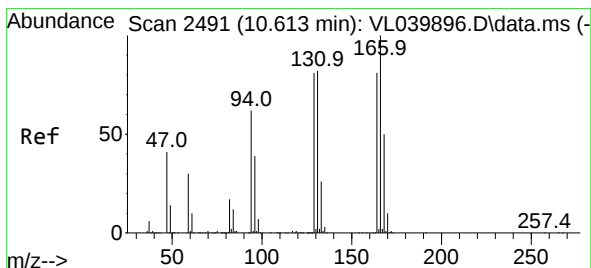
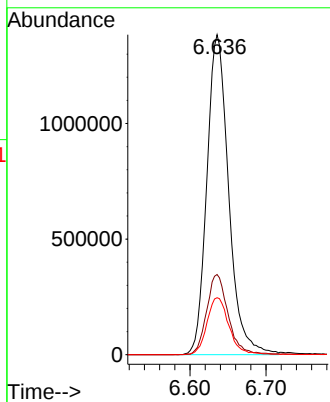
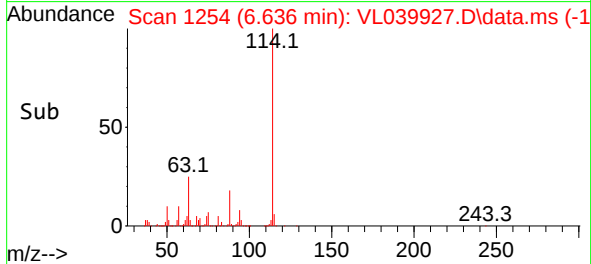
Instrument :
MSVOA_L
ClientSampleId :
IA2DL



Tgt Ion:114 Resp: 2759608
Ion Ratio Lower Upper
114 100
63 25.0 21.4 32.0
88 18.1 15.3 22.9

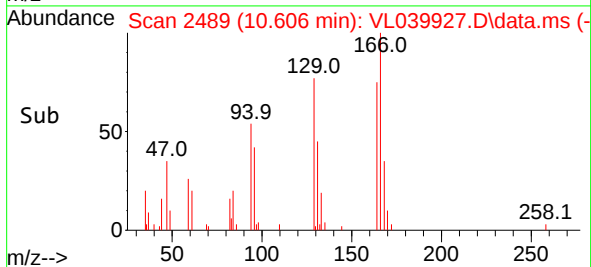
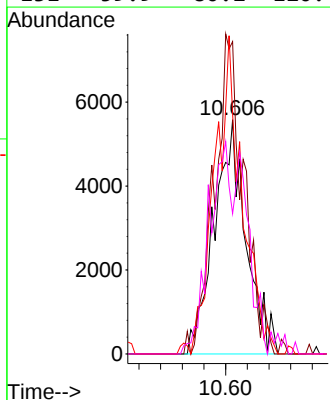
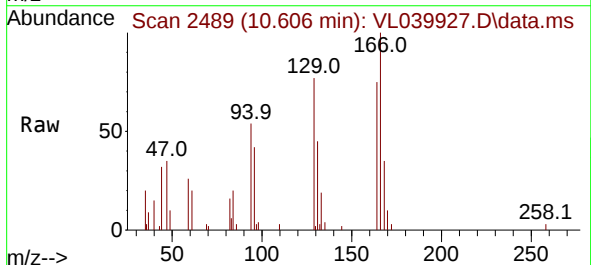
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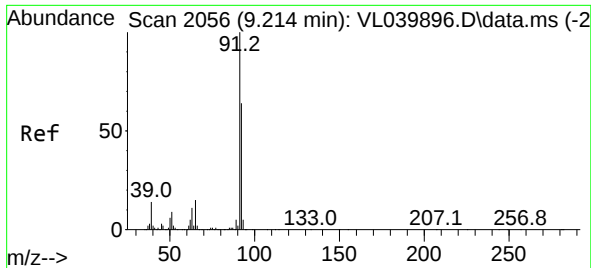
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Supervised By :Mahesh Dadoda 11/24/2022



#52
Tetrachloroethene
Concen: 0.129 ppbv m
RT: 10.606 min Scan# 2489
Delta R.T. 0.019 min
Lab File: VL039927.D
Acq: 22 Nov 2022 22:08

Tgt Ion:164 Resp: 11320
Ion Ratio Lower Upper
164 100
166 133.3 98.3 147.5
129 102.5 79.7 119.5
131 59.9 80.2 120.4#





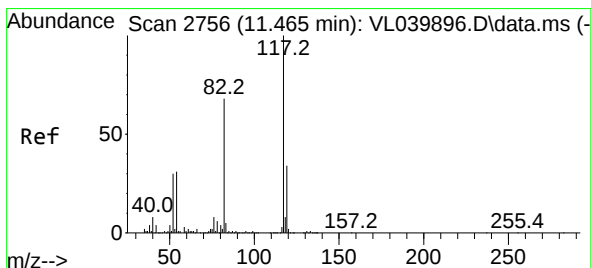
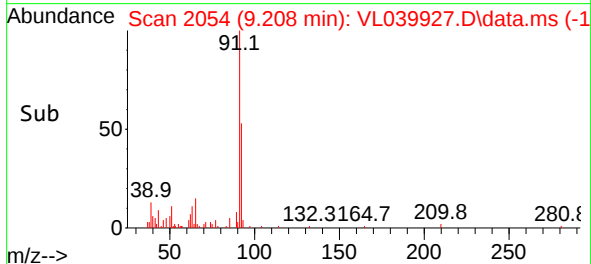
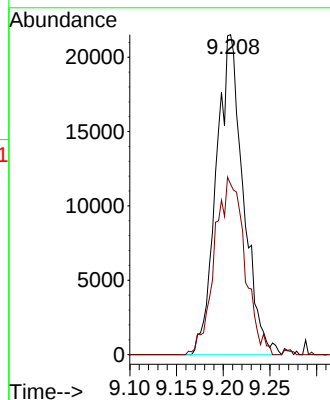
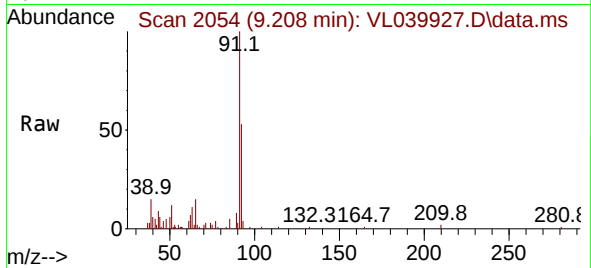
#53
Toluene
Concen: 0.162 ppbv m
RT: 9.208 min Scan# 2056
Delta R.T. 0.016 min
Lab File: VL039927.D
Acq: 22 Nov 2022 22:08

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion: 91 Resp: 43285
Ion Ratio Lower Upper
91 100
92 61.9 49.8 74.6

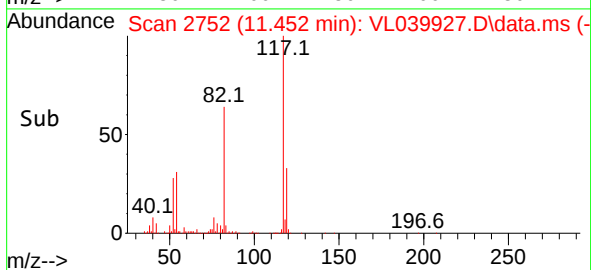
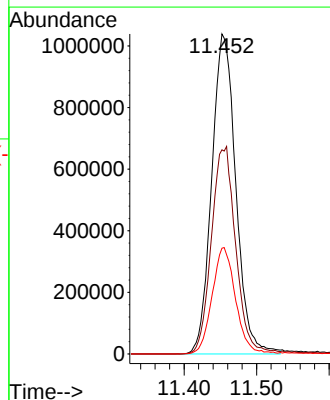
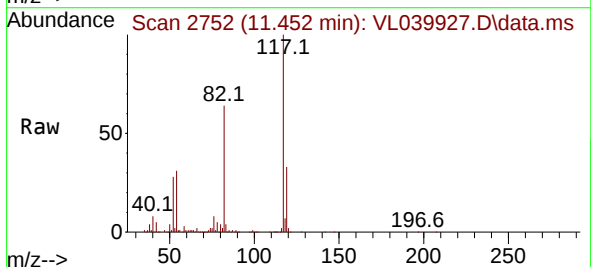
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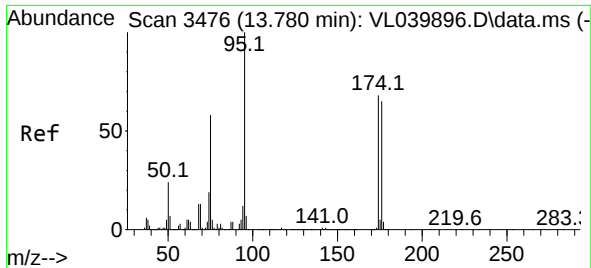
Reviewed By :Semsettin Yesilyurt 11/23/2022
Supervised By :Mahesh Dadoda 11/24/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. 0.013 min
Lab File: VL039927.D
Acq: 22 Nov 2022 22:08

Tgt Ion:117 Resp: 2401160
Ion Ratio Lower Upper
117 100
82 66.5 52.3 78.5
119 32.8 25.7 38.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.398 ppbv
 RT: 13.764 min Scan# 3471
 Delta R.T. 0.010 min
 Lab File: VL039927.D
 Acq: 22 Nov 2022 22:08

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Tgt Ion: 95 Resp: 190710
 Ion Ratio Lower Upper
 95 100
 174 61.0 53.7 80.5
 175 4.4 4.0 6.0

Manual Integrations
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