

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
 Data File : VL039089.D
 Acq On : 23 May 2022 18:23
 Operator : SY/AP
 Sample : N2956-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AP-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/25/2022
 Supervised By :Mahesh Dadoda 05/26/2022

Quant Time: May 24 06:01:15 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 26 13:00:42 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.652	49	988363	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.160	114	2171684	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.063	117	1810191	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.391	95	1541856	10.755	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.600%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	3.044	85	60933m	0.393	ppbv	
3) Chlorodifluoromethane	2.989	51	48843m	0.398	ppbv	
4) Chloromethane	3.137	50	27602	0.449	ppbv	92
9) Propene	3.018	41	454110	8.479	ppbv #	55
11) Trichlorofluoromethane	3.941	101	36019m	0.271	ppbv	
13) Ethanol	3.600	45	316480m	83.498	ppbv	
15) Acetone	3.838	43	771300	8.273	ppbv	98
19) Isopropyl Alcohol	3.964	45	52966m	1.195	ppbv	
20) Methylene Chloride	4.333	84	3390705	96.494	ppbv	98
26) Hexane	5.674	57	2391752	24.123	ppbv #	38
34) 2-Butanone	5.240	43	43238m	0.390	ppbv	
35) Carbon Tetrachloride	6.996	117	11397m	0.080	ppbv	
52) Tetrachloroethene	11.214	164	2964m	0.045	ppbv	
53) Toluene	9.786	91	43506m	0.209	ppbv	
58) Ethyl Benzene	12.693	91	102437m	0.393	ppbv	
59) m/p-Xylene	12.941	91	347797m	1.564	ppbv	
60) o-Xylene	13.671	91	90525m	0.432	ppbv	
73) 1,3,5-Trimethylbenzene	15.973	105	24496m	0.114	ppbv	
74) 1,2,4-Trimethylbenzene	16.735	105	57419m	0.244	ppbv	

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

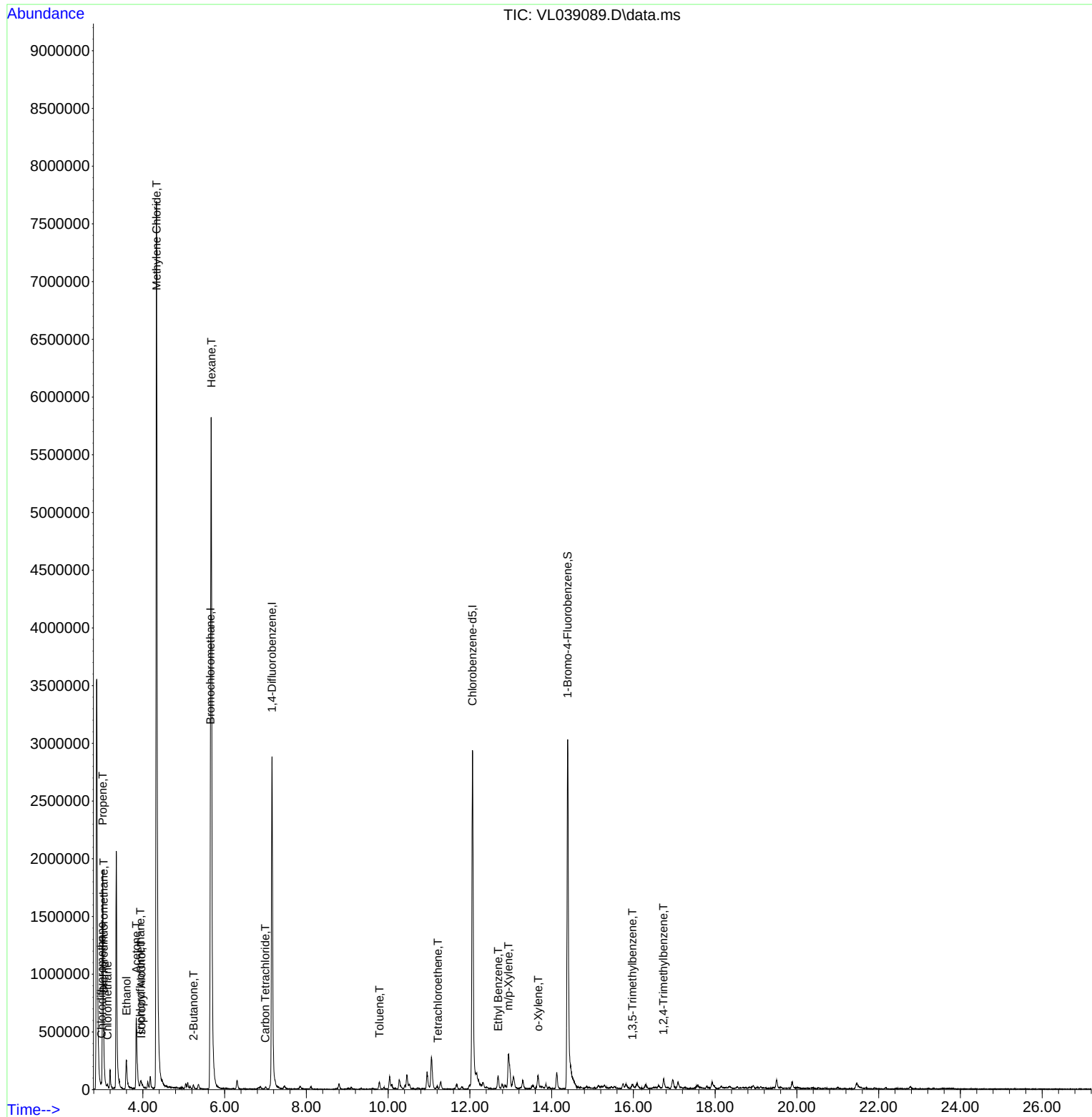
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
Data File : VL039089.D
Acq On : 23 May 2022 18:23
Operator : SY/AP
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Misc : 400mL/MSVOA_L
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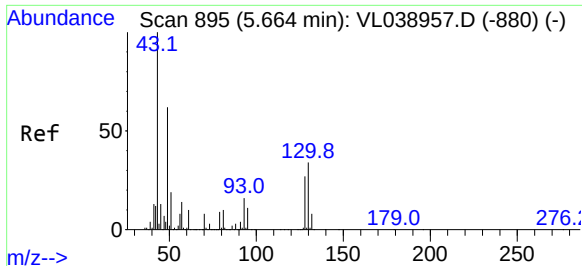
Instrument :
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ClientSampleId :
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Quant Time: May 24 06:01:15 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

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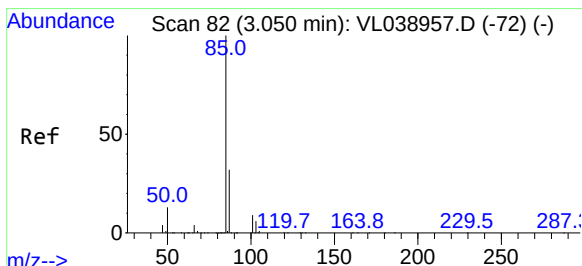
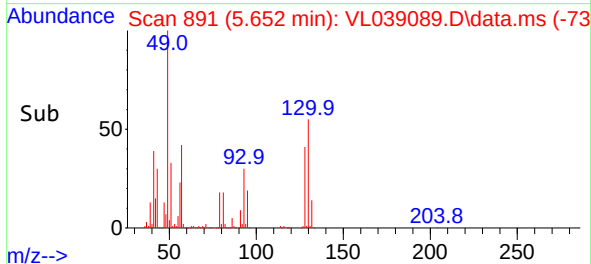
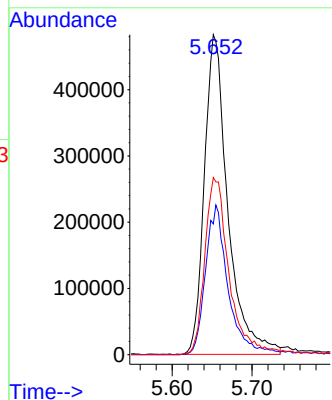
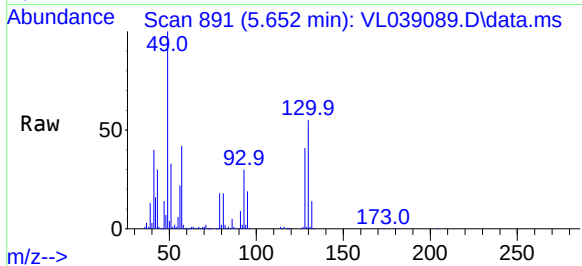
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.652 min Scan# 89
Delta R.T. -0.013 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
AP-1

Tgt Ion: 49 Resp: 98836
Ion Ratio Lower Upper
49 100
128 45.6 23.3 69.8
130 59.1 29.8 89.3

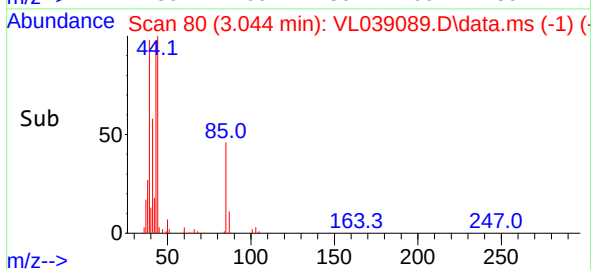
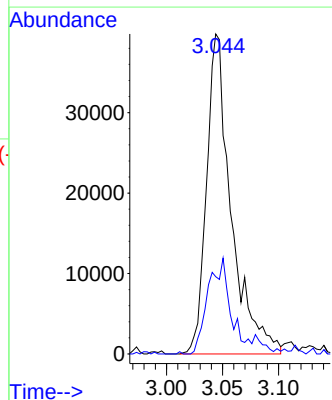
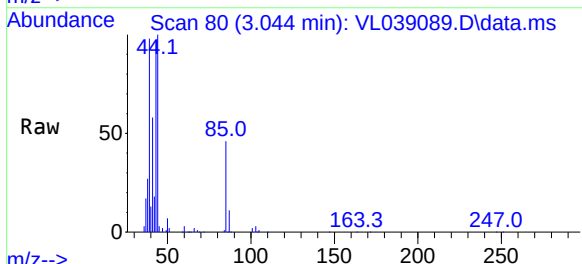
Manual Integrations
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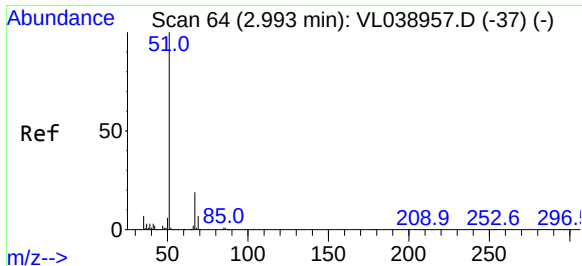
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#2
Dichlorodifluoromethane
Concen: 0.393 ppbv m
RT: 3.044 min Scan# 80
Delta R.T. -0.006 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23

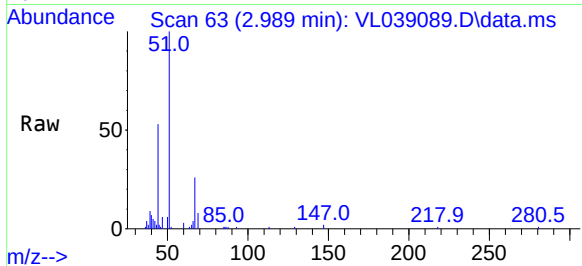
Tgt Ion: 85 Resp: 60933
Ion Ratio Lower Upper
85 100
87 24.1 25.7 38.5





#3
Chlorodifluoromethane
Concen: 0.398 ppbv
RT: 2.989 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23

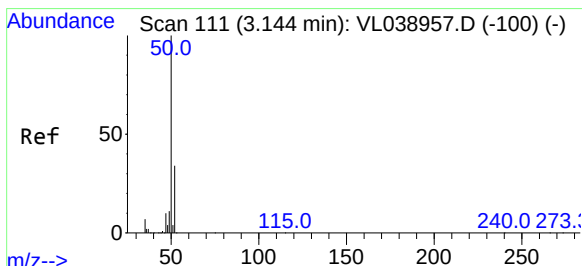
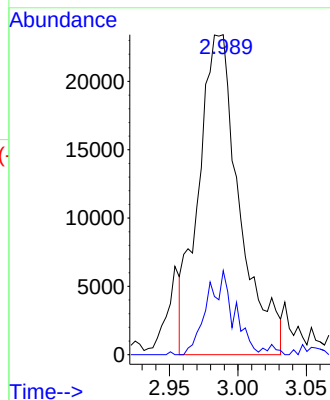
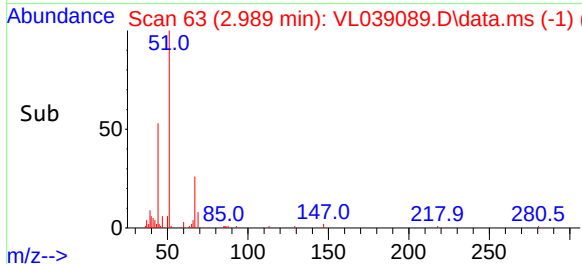
Instrument :
MSVOA_L
ClientSampleId :
AP-1



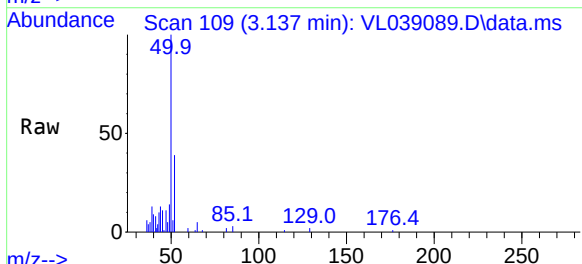
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Ion Ratio Lower Upper
51 100
67 1.1 15.8 23.8

Manual Integrations
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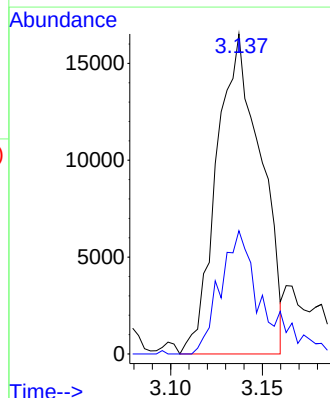
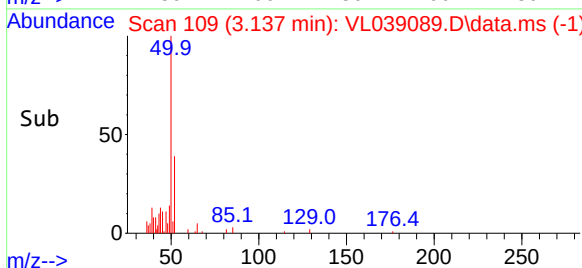
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

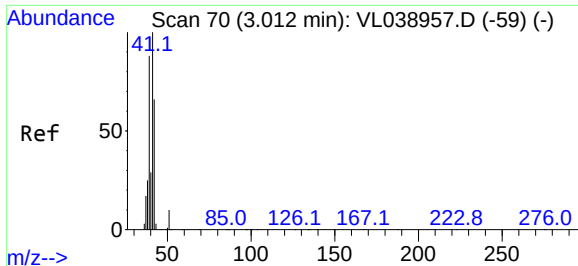


#4
Chloromethane
Concen: 0.449 ppbv
RT: 3.137 min Scan# 109
Delta R.T. -0.006 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23



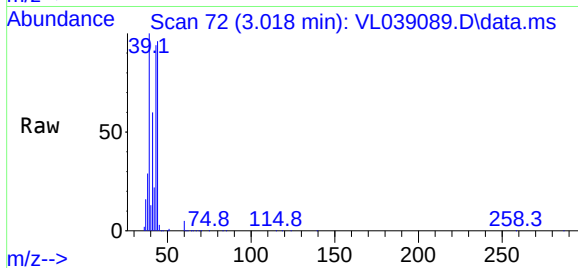
Tgt Ion: 50 Resp: 27602
Ion Ratio Lower Upper
50 100
52 38.5 27.3 40.9





#9
 Propene
 Concen: 8.479 ppbv
 RT: 3.018 min Scan# 70
 Delta R.T. 0.006 min
 Lab File: VL039089.D
 Acq: 23 May 2022 18:23

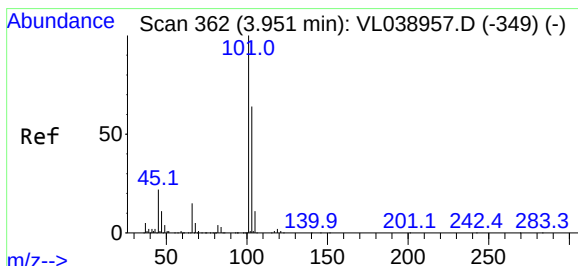
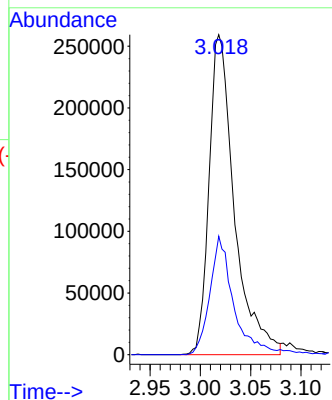
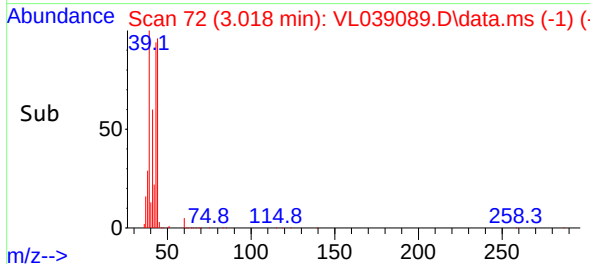
Instrument :
 MSVOA_L
 ClientSampleId :
 AP-1



Tgt Ion: 41 Resp: 454110
 Ion Ratio Lower Upper
 41 100
 42 35.5 58.3 87.5

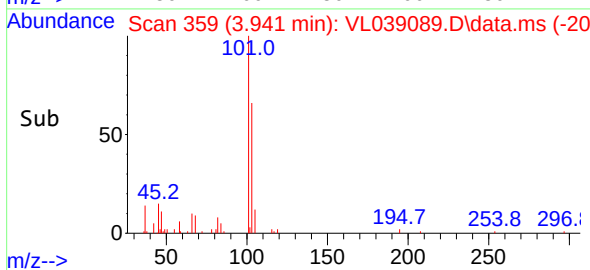
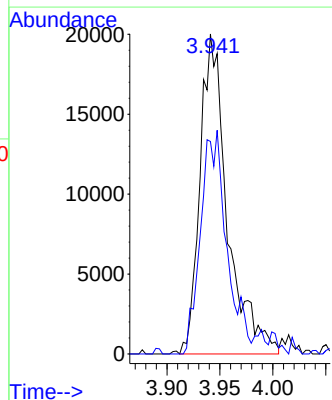
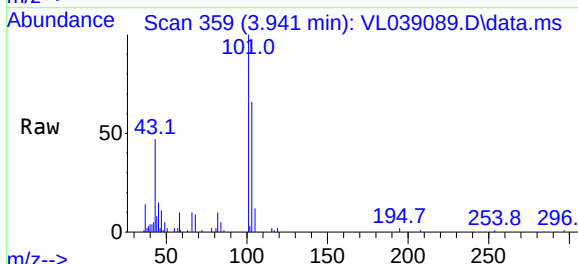
Manual Integrations
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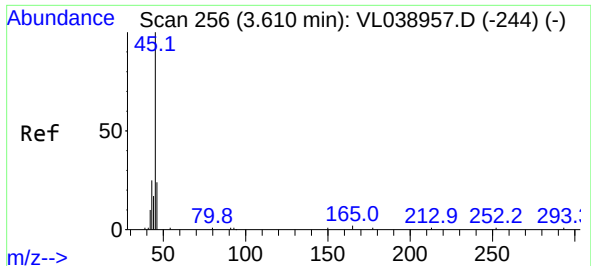
Reviewed By :Semsettin Yesilyurt 05/25/2022
 Supervised By :Mahesh Dadoda 05/26/2022



#11
 Trichlorofluoromethane
 Concen: 0.271 ppbv m
 RT: 3.941 min Scan# 359
 Delta R.T. -0.010 min
 Lab File: VL039089.D
 Acq: 23 May 2022 18:23

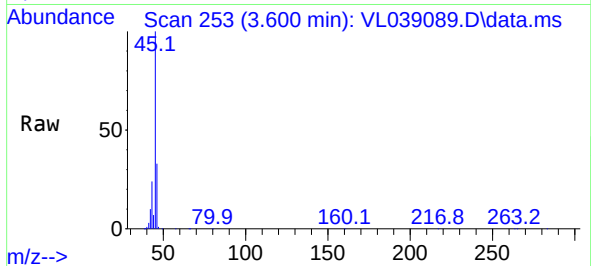
Tgt Ion:101 Resp: 36019
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.5 77.3





#13
Ethanol
Concen: 83.498 ppbv m
RT: 3.600 min Scan# 214
Delta R.T. -0.010 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23

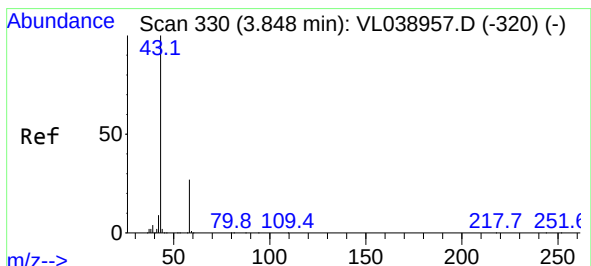
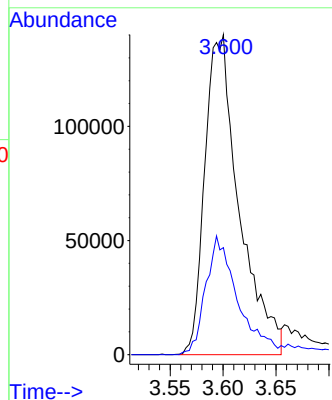
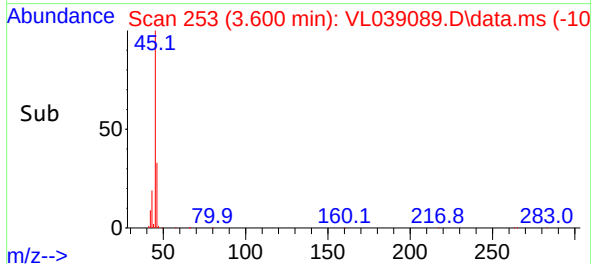
Instrument :
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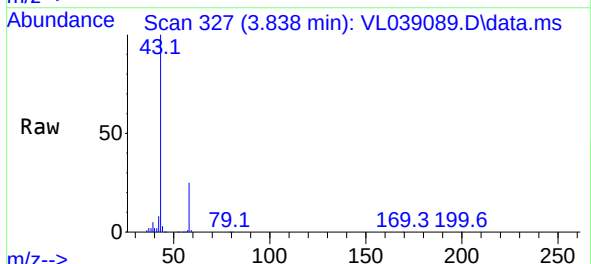
Tgt Ion: 45 Resp: 316480
Ion Ratio Lower Upper
45 100
46 0.0 18.0 72.2

Manual Integrations
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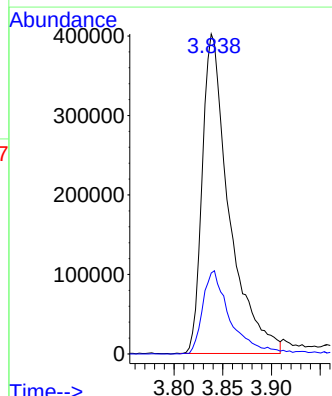
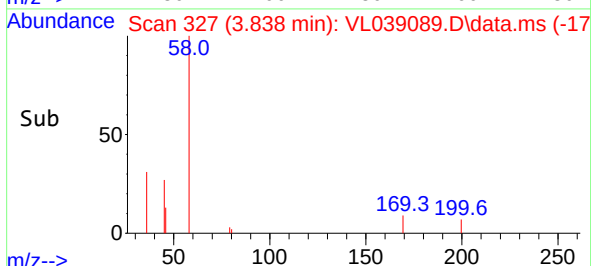
Reviewed By :Semsettin Yesilyurt 05/25/2022
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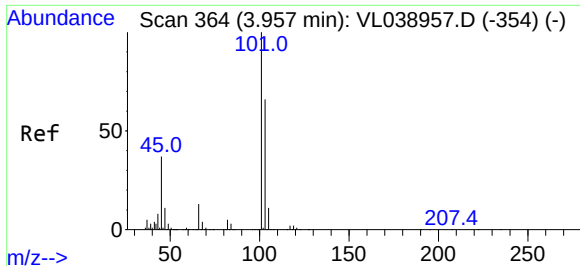


#15
Acetone
Concen: 8.273 ppbv
RT: 3.838 min Scan# 327
Delta R.T. -0.010 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23



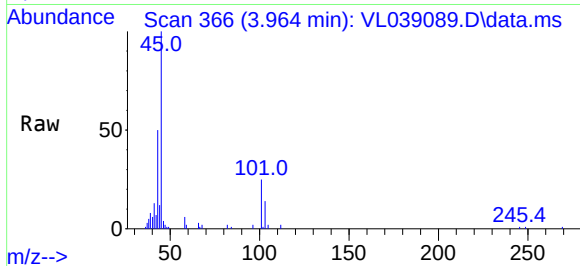
Tgt Ion: 43 Resp: 771300
Ion Ratio Lower Upper
43 100
58 27.9 21.3 31.9





#19
Isopropyl Alcohol
Concen: 1.195 ppbv m
RT: 3.964 min Scan# 30
Delta R.T. 0.006 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23

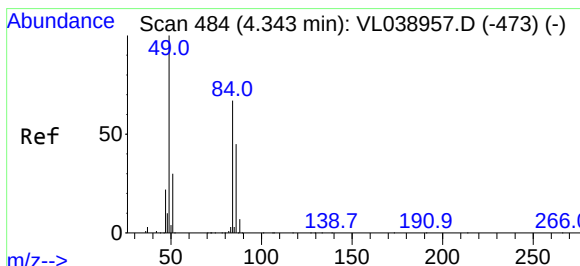
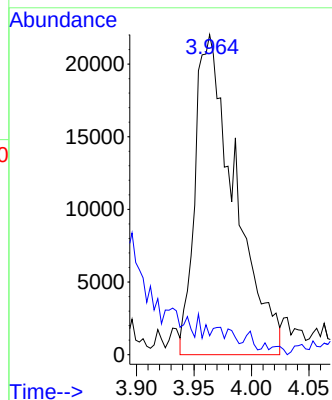
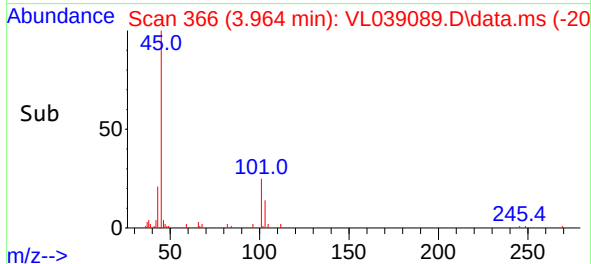
Instrument :
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ClientSampleId :
AP-1



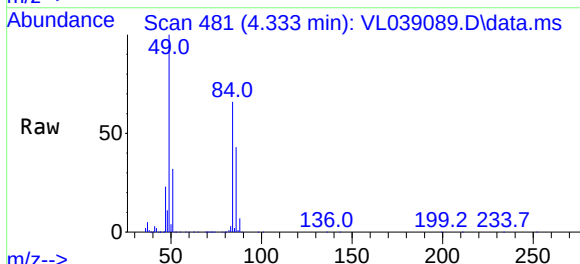
Tgt Ion: 45 Resp: 52960
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.23

Manual Integrations
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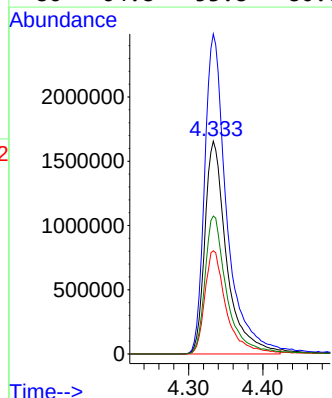
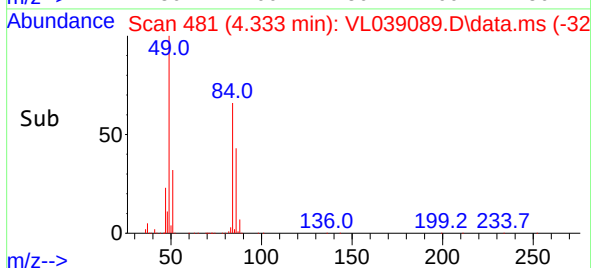
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Supervised By :Mahesh Dadoda 05/26/2022

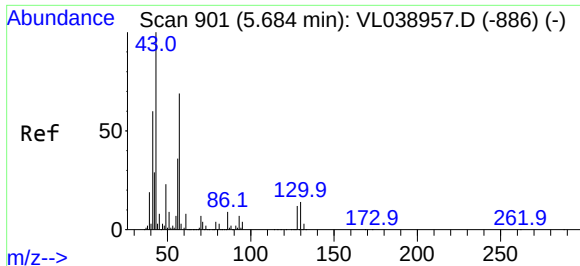


#20
Methylene Chloride
Concen: 96.494 ppbv
RT: 4.333 min Scan# 481
Delta R.T. -0.010 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23



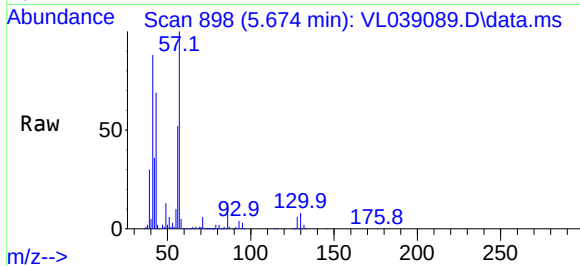
Tgt Ion: 84 Resp: 3390705
Ion Ratio Lower Upper
84 100
49 150.4 119.9 179.9
51 48.5 35.7 53.5
86 64.8 53.8 80.6





#26
Hexane
Concen: 24.123 ppbv
RT: 5.674 min Scan# 89
Delta R.T. -0.010 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23

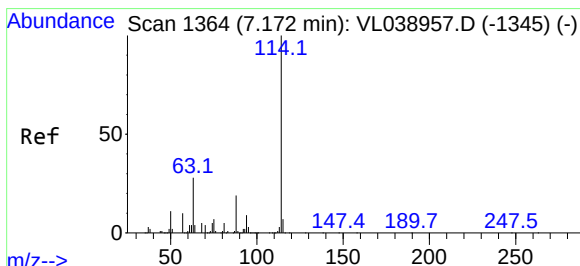
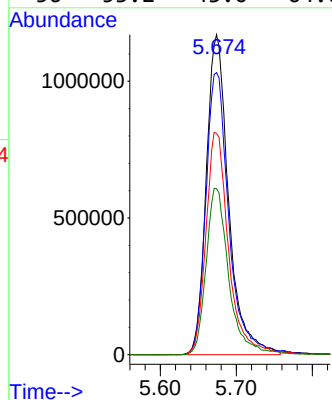
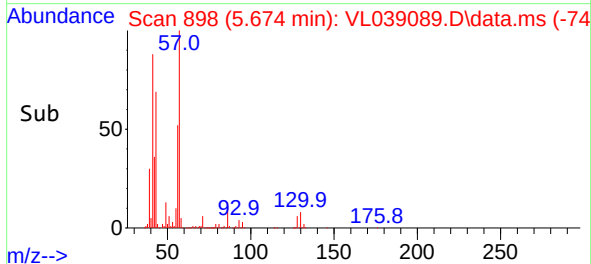
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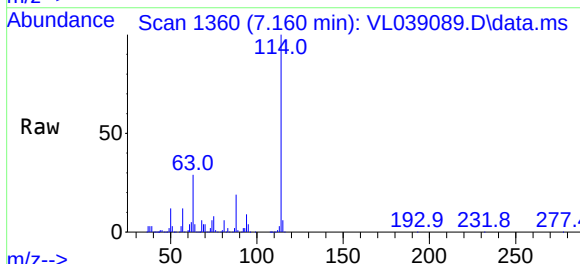
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Ion Ratio Lower Upper
57 100
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43 71.1 190.8 286.2
56 53.2 43.0 64.6

Manual Integrations
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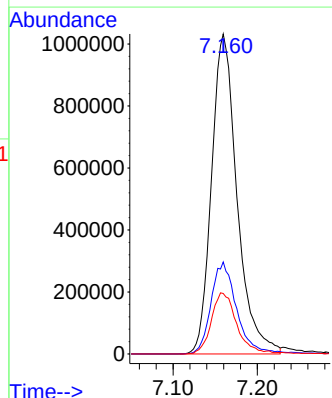
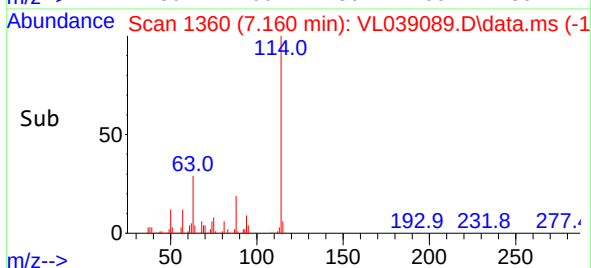
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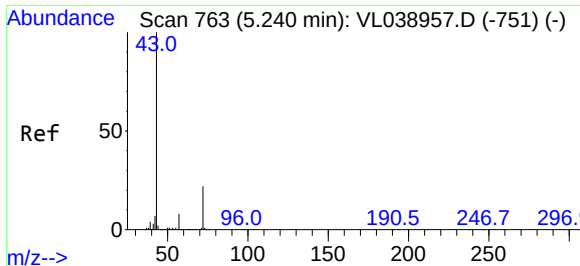


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.160 min Scan# 1360
Delta R.T. -0.013 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23



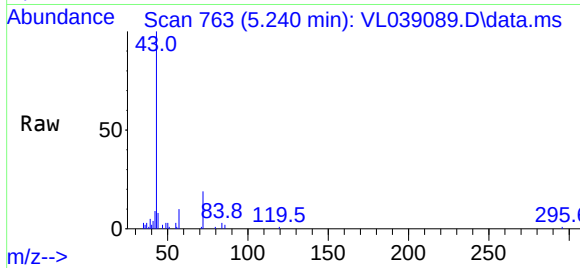
Tgt Ion:114 Resp: 2171684
Ion Ratio Lower Upper
114 100
63 29.4 22.6 33.8
88 19.4 15.4 23.0





#34
2-Butanone
Concen: 0.390 ppbv m
RT: 5.240 min Scan# 70
Delta R.T. -0.000 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23

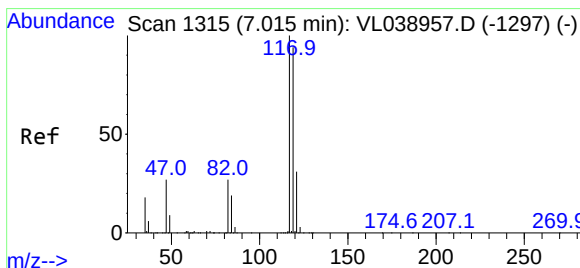
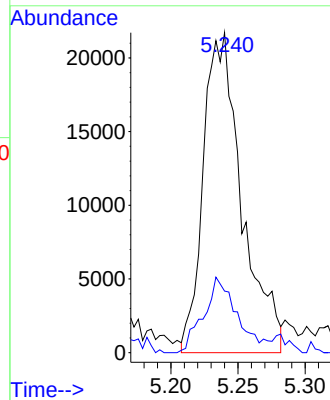
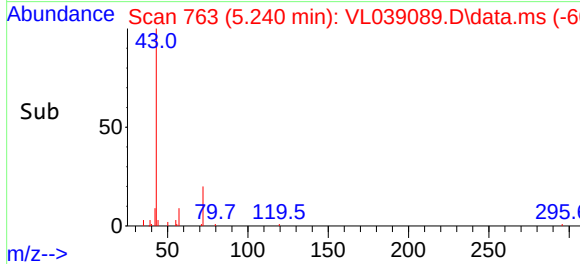
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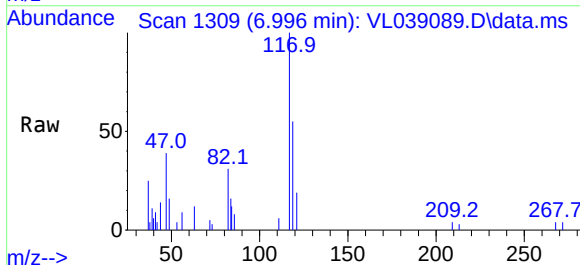
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Ion Ratio Lower Upper
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72 23.1 17.8 26.6

Manual Integrations
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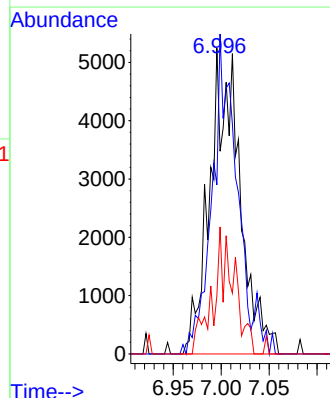
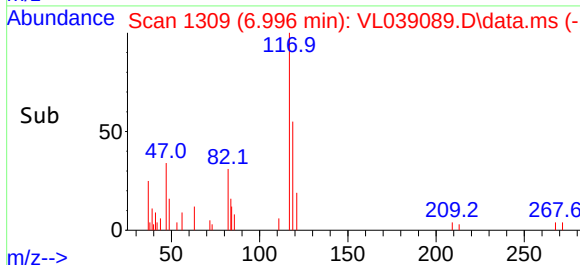
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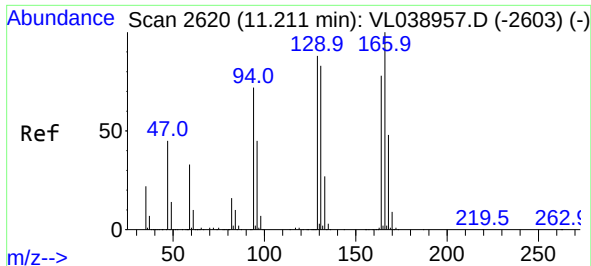


#35
Carbon Tetrachloride
Concen: 0.080 ppbv m
RT: 6.996 min Scan# 1309
Delta R.T. -0.019 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23



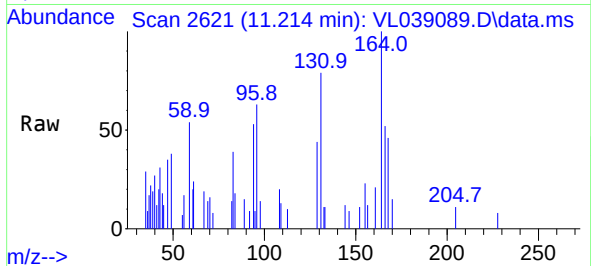
Tgt Ion:117 Resp: 11397
Ion Ratio Lower Upper
117 100
119 55.3 75.2 112.8#
121 19.1 24.6 37.0#





#52
Tetrachloroethene
Concen: 0.045 ppbv m
RT: 11.214 min Scan# 2177
Delta R.T. 0.003 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23

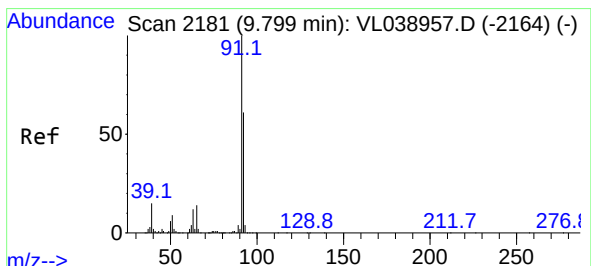
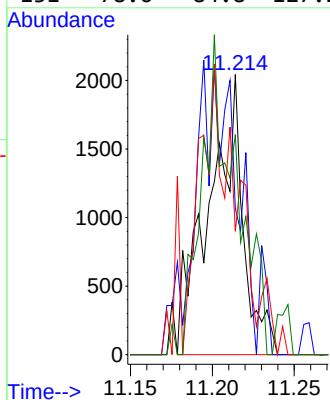
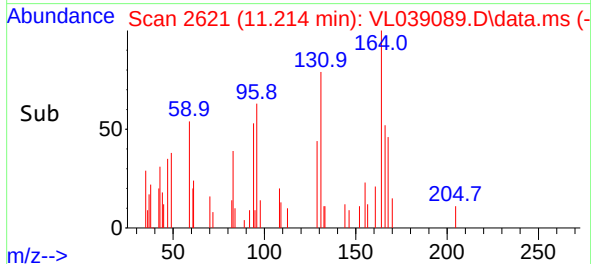
Instrument :
MSVOA_L
ClientSampleId :
AP-1



Tgt Ion:164 Resp: 2964
Ion Ratio Lower Upper
164 100
166 52.1 102.5 153.7
129 44.1 90.1 135.1
131 78.6 84.8 127.2

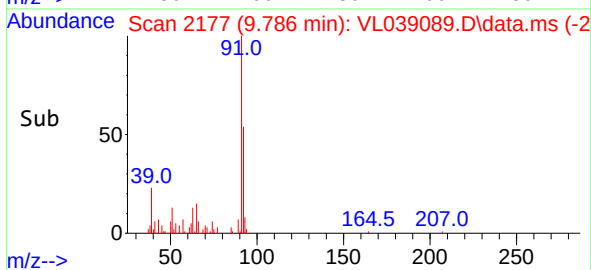
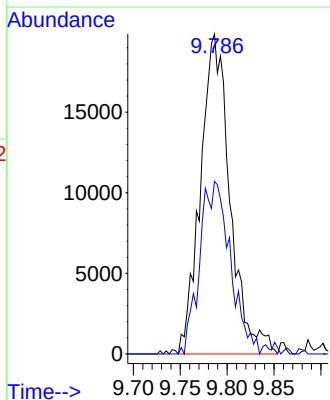
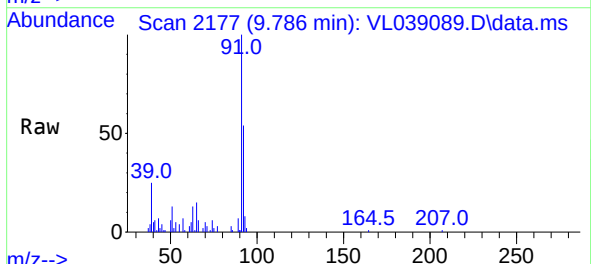
Manual Integrations
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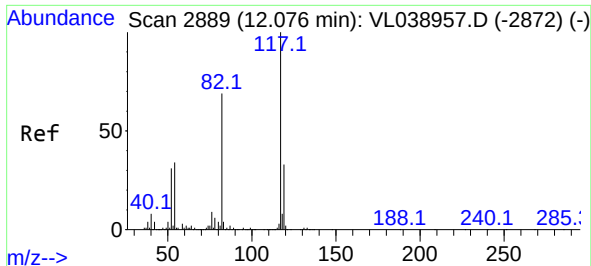
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#53
Toluene
Concen: 0.209 ppbv m
RT: 9.786 min Scan# 2177
Delta R.T. -0.013 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23

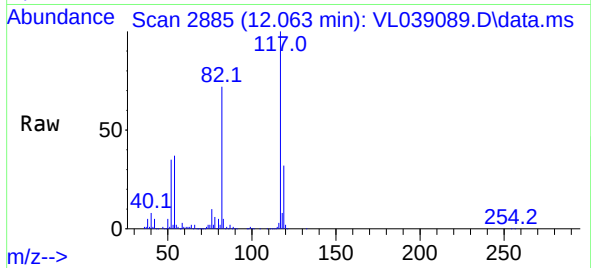
Tgt Ion: 91 Resp: 43506
Ion Ratio Lower Upper
91 100
92 57.4 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.063 min Scan# 2885
Delta R.T. -0.013 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23

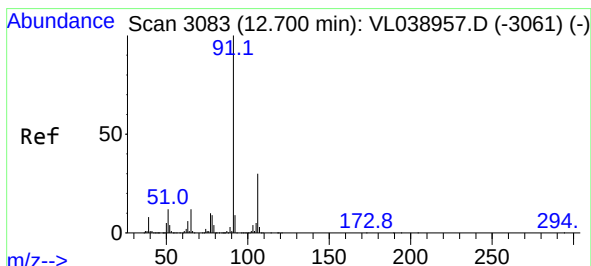
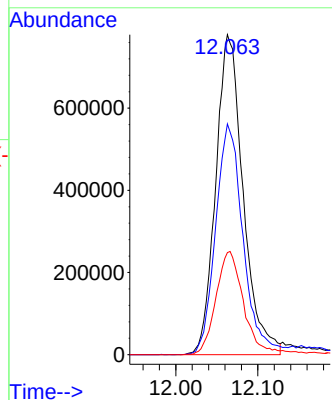
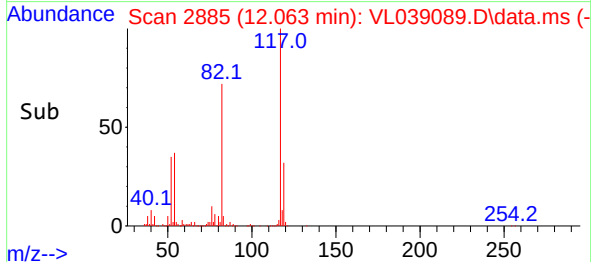
Instrument :
MSVOA_L
ClientSampleId :
AP-1



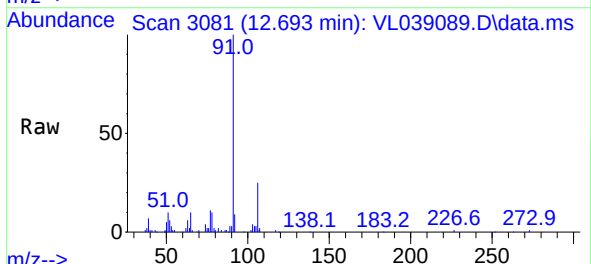
Tgt Ion:117 Resp: 181019
Ion Ratio Lower Upper
117 100
82 72.4 57.0 85.6
119 34.0 27.2 40.8

Manual Integrations
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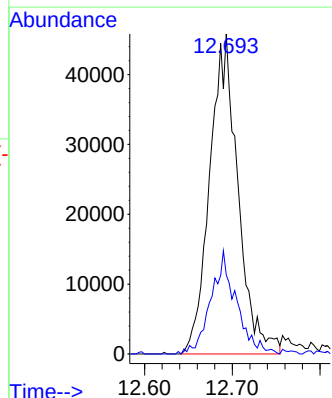
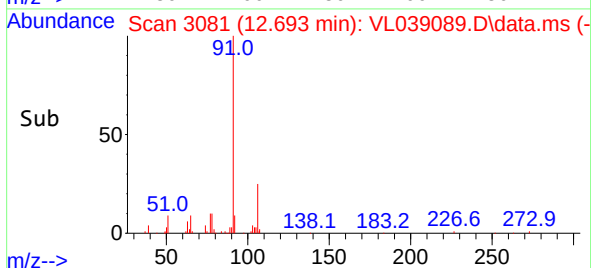
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

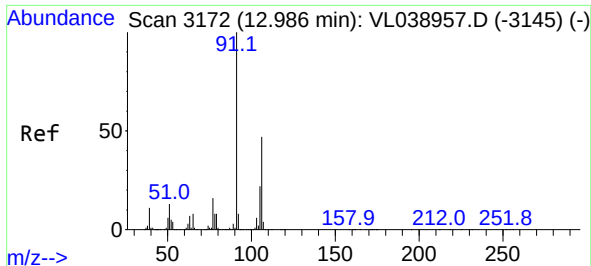


#58
Ethyl Benzene
Concen: 0.393 ppbv m
RT: 12.693 min Scan# 3081
Delta R.T. -0.006 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23



Tgt Ion: 91 Resp: 102437
Ion Ratio Lower Upper
91 100
106 24.6 24.2 36.4





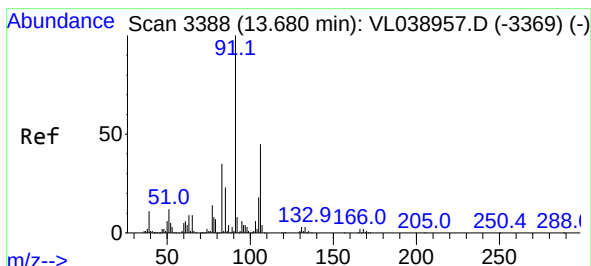
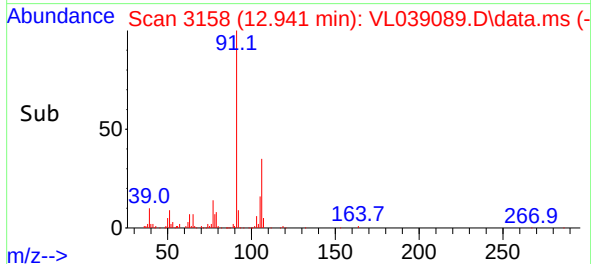
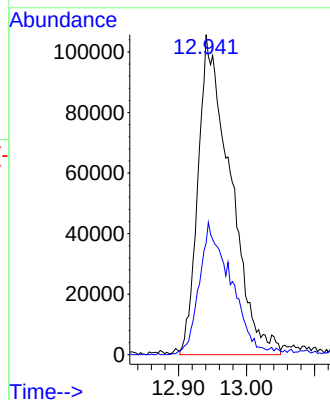
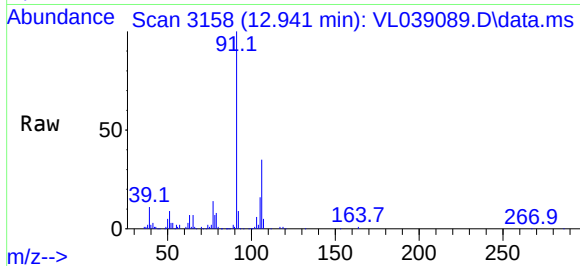
#59
m/p-Xylene
Concen: 1.564 ppbv m
RT: 12.941 min Scan# 3172
Delta R.T. -0.045 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
AP-1

Tgt Ion: 91 Resp: 34779
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0

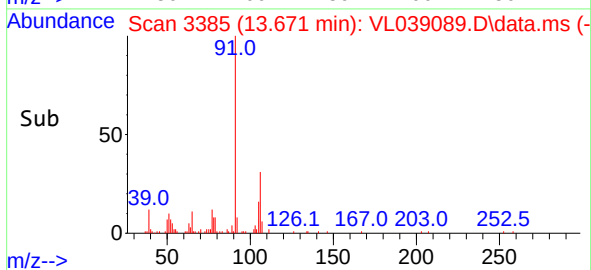
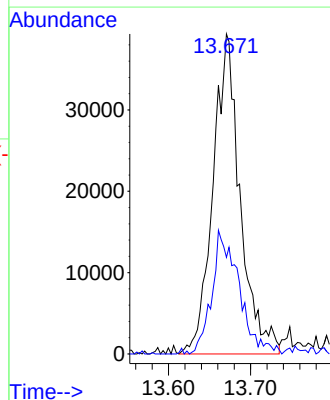
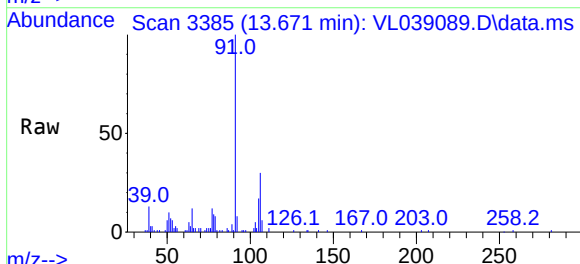
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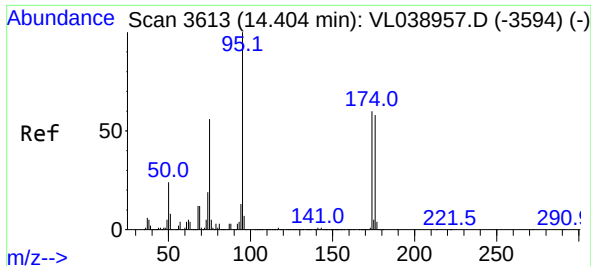
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#60
o-Xylene
Concen: 0.432 ppbv m
RT: 13.671 min Scan# 3385
Delta R.T. -0.010 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23

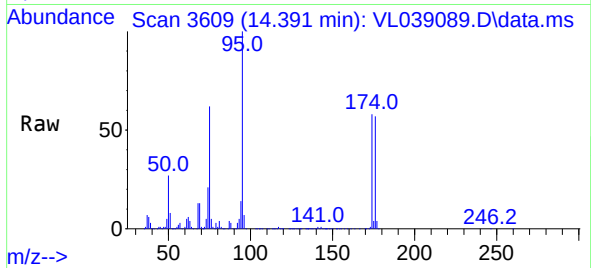
Tgt Ion: 91 Resp: 90525
Ion Ratio Lower Upper
91 100
106 38.7 22.2 66.6





#68
1-Bromo-4-Fluorobenzene
Concen: 10.755 ppbv
RT: 14.391 min Scan# 30
Delta R.T. -0.013 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23

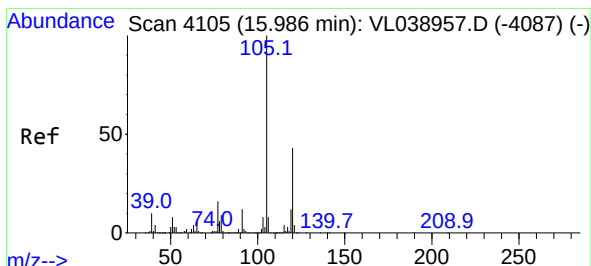
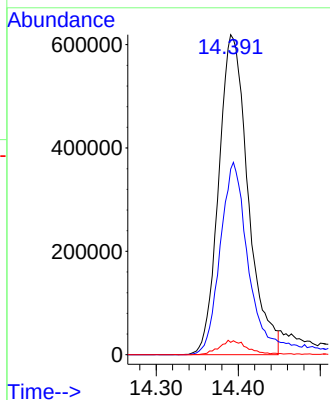
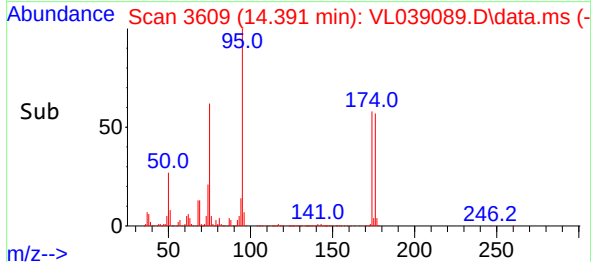
Instrument :
MSVOA_L
ClientSampleId :
AP-1



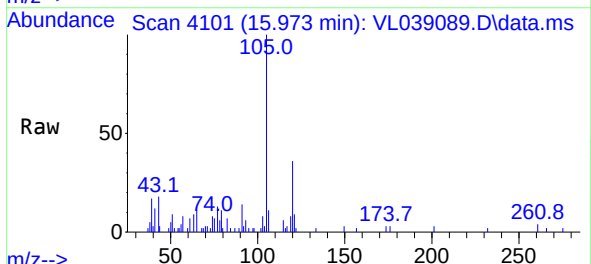
Tgt Ion: 95 Resp: 154185
Ion Ratio Lower Upper
95 100
174 62.8 50.8 76.2
175 4.4 3.8 5.6

Manual Integrations
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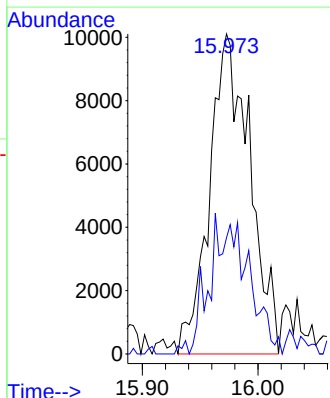
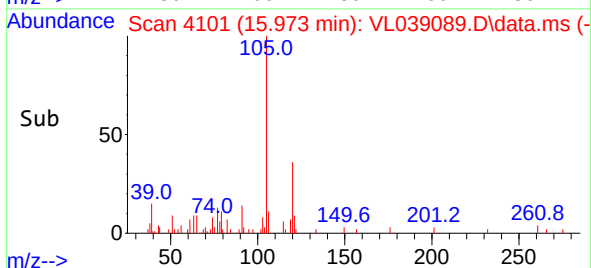
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

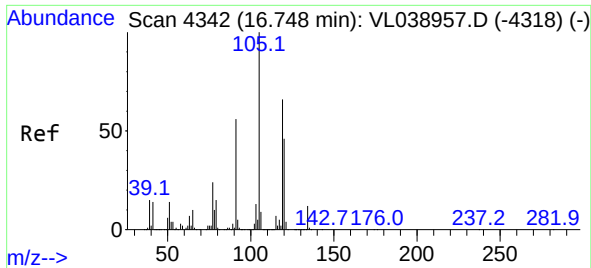


#73
1,3,5-Trimethylbenzene
Concen: 0.114 ppbv m
RT: 15.973 min Scan# 4101
Delta R.T. -0.013 min
Lab File: VL039089.D
Acq: 23 May 2022 18:23



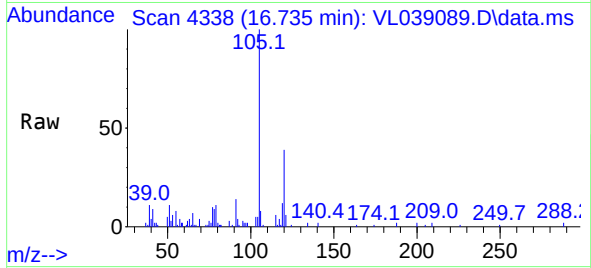
Tgt Ion:105 Resp: 24496
Ion Ratio Lower Upper
105 100
120 36.3 34.4 51.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.244 ppbv m
 RT: 16.735 min Scan# 4342
 Delta R.T. -0.013 min
 Lab File: VL039089.D
 Acq: 23 May 2022 18:23

Instrument :
 MSVOA_L
 ClientSampleId :
 AP-1



Tgt Ion:	105	Resp:	57419
Ion	Ratio	Lower	Upper
105	100		
120	38.9	36.9	55.3
91	13.6	45.0	67.4
77	9.9	19.2	28.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/25/2022
 Supervised By :Mahesh Dadoda 05/26/2022

