

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060122\
 Data File : VL039145.D
 Acq On : 1 Jun 2022 13:06
 Operator : SY/AP
 Sample : N3106-09
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/06/2022
 Supervised By : Mahesh Dadoda 06/06/2022

Quant Time: Jun 02 00:38:21 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.671	49	1109728	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.176	114	2694560	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	2274381	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.410 95 1873427 9.963 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	61236	0.314	ppbv	92
3) Chlorodifluoromethane	2.992	51	64939m	0.460	ppbv	
4) Chloromethane	3.147	50	36071m	0.497	ppbv	
9) Propene	3.028	41	86762m	1.409	ppbv	
10) Heptane	8.114	43	17241m	0.120	ppbv	
11) Trichlorofluoromethane	3.957	101	43271	0.245	ppbv	88
13) Ethanol	3.607	45	295769	88.088	ppbv #	100
15) Acetone	3.851	43	966877	8.364	ppbv	99
19) Isopropyl Alcohol	3.973	45	161793	2.984	ppbv #	1
20) Methylene Chloride	4.346	84	6194769	127.164	ppbv	97
26) Hexane	5.690	57	6108815	53.354	ppbv #	39
30) Cyclohexane	7.137	84	30053m	0.312	ppbv	
34) 2-Butanone	5.250	43	75907m	0.519	ppbv	
35) Carbon Tetrachloride	7.015	117	13172m	0.067	ppbv	
36) Benzene	6.893	78	34825	0.159	ppbv	94
44) 2,2,4-Trimethylpentane	7.873	57	76963m	0.201	ppbv	
52) Tetrachloroethene	11.214	164	6920m	0.081	ppbv	
53) Toluene	9.809	91	126289m	0.501	ppbv	
59) m/p-Xylene	12.966	91	80563m	0.292	ppbv	
60) o-Xylene	13.690	91	33235m	0.128	ppbv	
74) 1,2,4-Trimethylbenzene	16.751	105	66360m	0.217	ppbv	

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

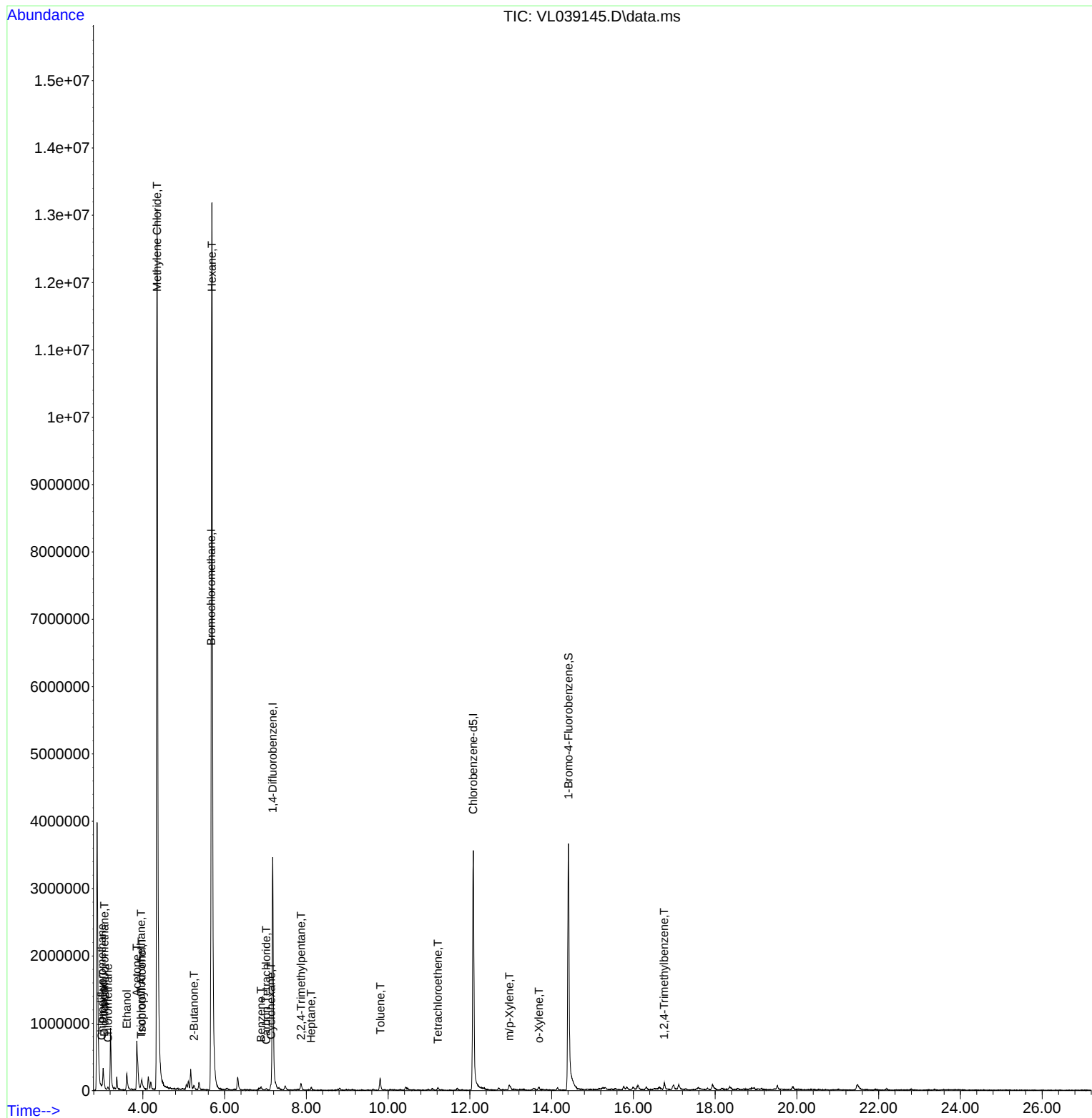
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060122\
Data File : VL039145.D
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Misc : 400mL/MSVOA_L
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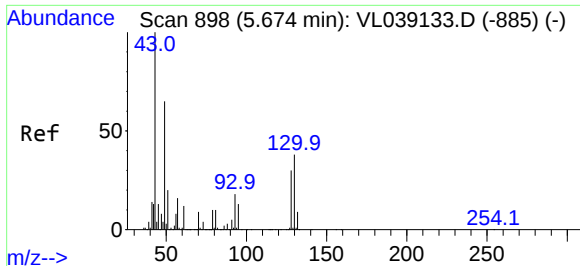
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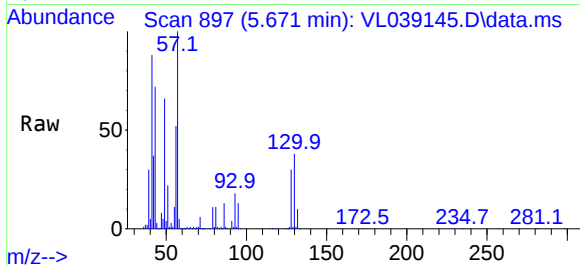
Quant Time: Jun 02 00:38:21 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. -0.003 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

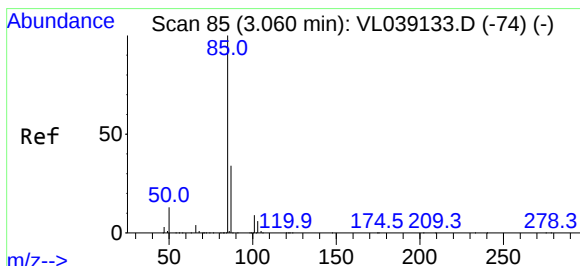
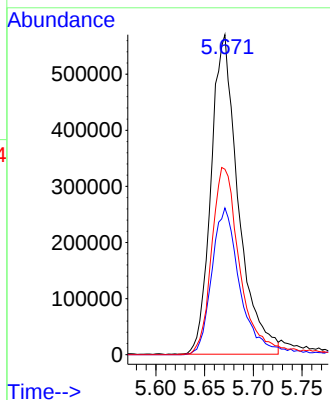
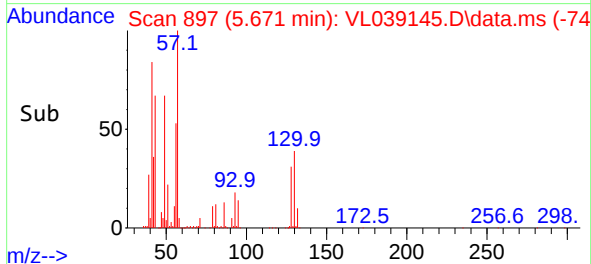
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 1109728
Ion Ratio Lower Upper
49 100
128 49.3 24.7 74.1
130 63.2 31.4 94.0

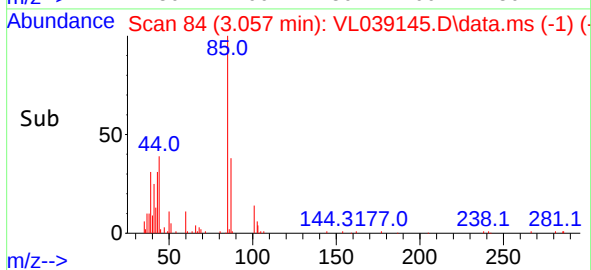
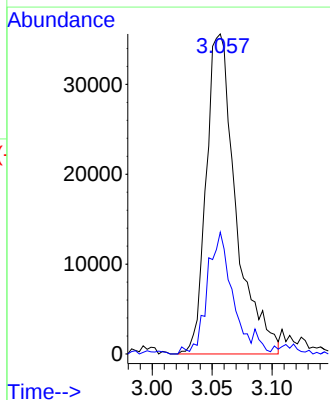
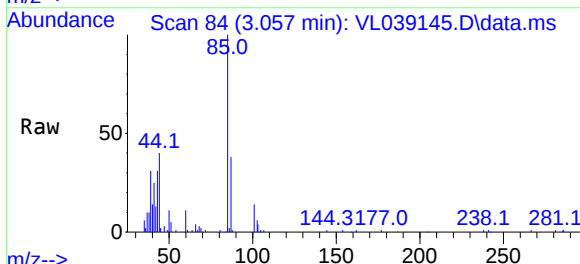
Manual Integrations
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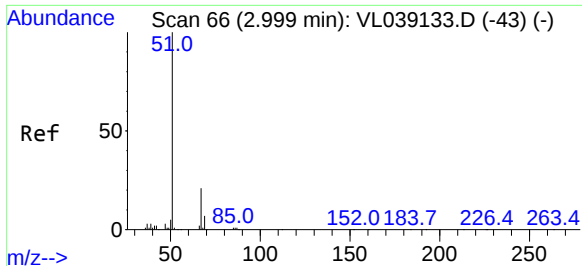
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#2
Dichlorodifluoromethane
Concen: 0.314 ppbv
RT: 3.057 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

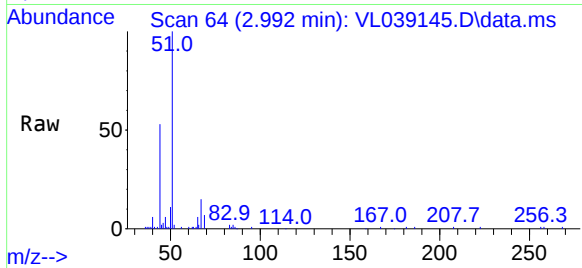
Tgt Ion: 85 Resp: 61236
Ion Ratio Lower Upper
85 100
87 38.1 26.9 40.3





#3
Chlorodifluoromethane
Concen: 0.460 ppbv m
RT: 2.992 min Scan# 64
Delta R.T. -0.006 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

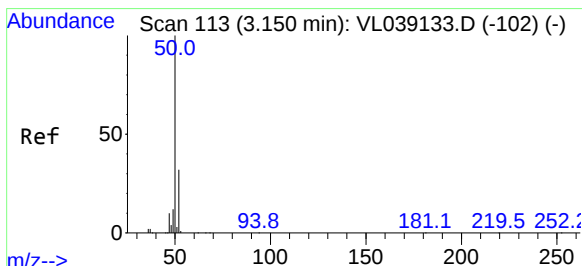
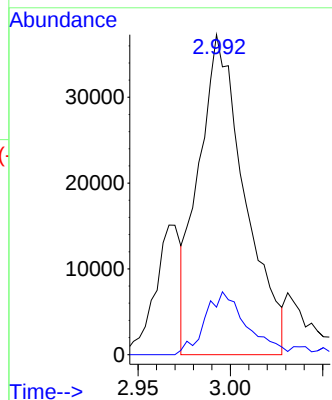
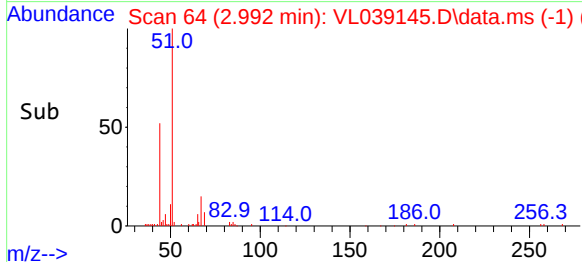
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 51 Resp: 64939
Ion Ratio Lower Upper
51 100
67 20.4 16.2 24.4

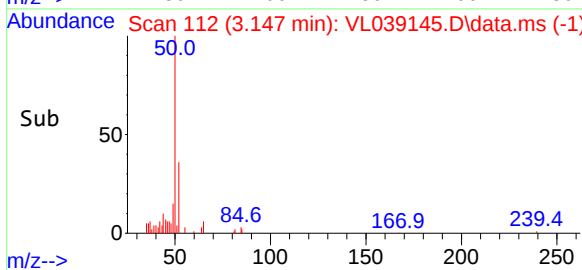
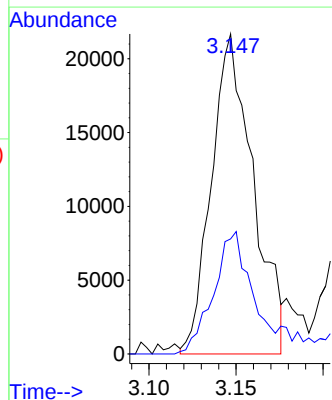
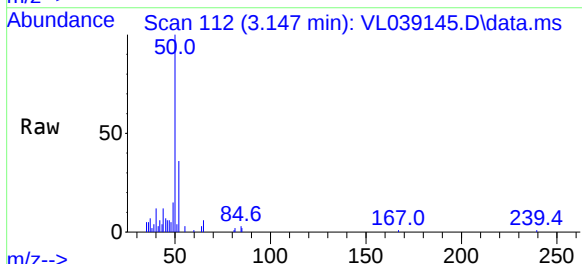
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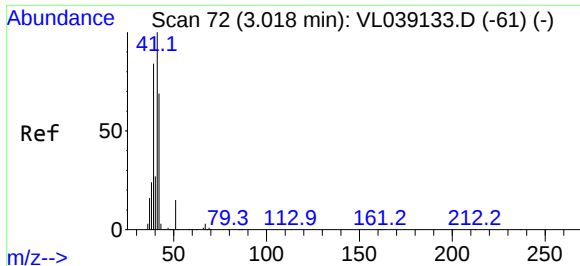
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#4
Chloromethane
Concen: 0.497 ppbv m
RT: 3.147 min Scan# 112
Delta R.T. -0.003 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

Tgt Ion: 50 Resp: 36071
Ion Ratio Lower Upper
50 100
52 36.0 25.9 38.9





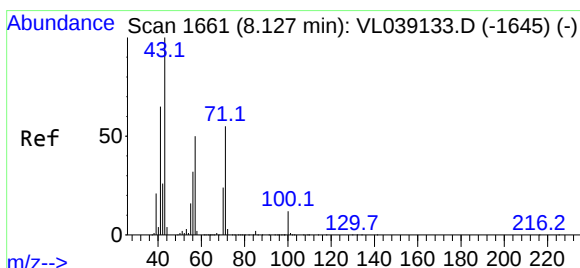
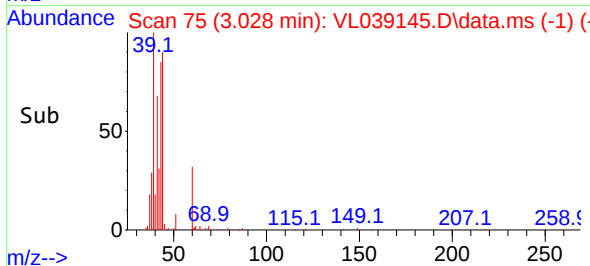
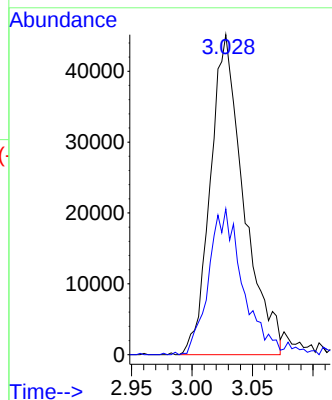
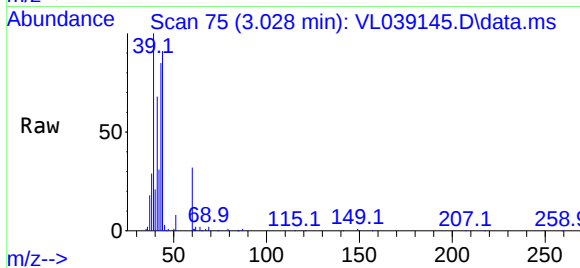
#9
Propene
Concen: 1.409 ppbv m
RT: 3.028 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 41 Resp: 86762
Ion Ratio Lower Upper
41 100
42 248.5 55.4 83.2

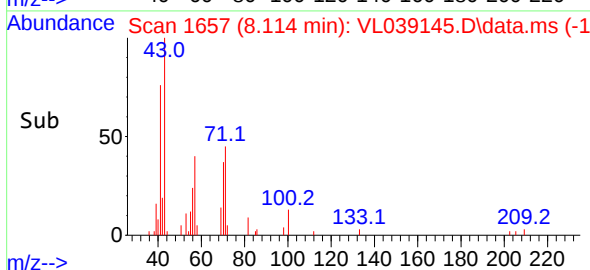
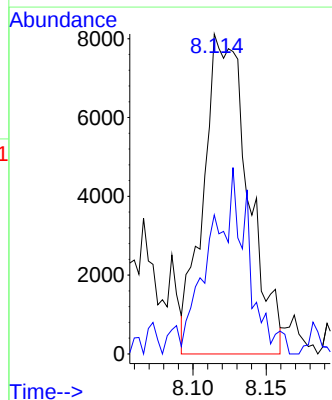
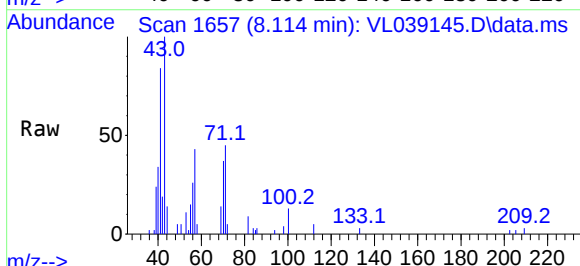
Manual Integrations
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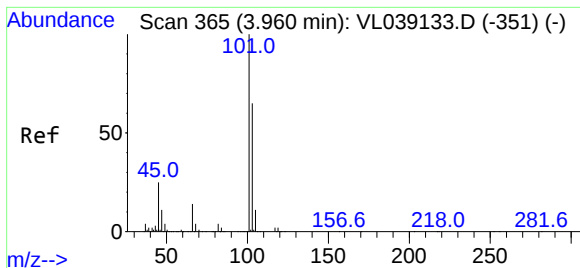
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#10
Heptane
Concen: 0.120 ppbv m
RT: 8.114 min Scan# 1657
Delta R.T. -0.013 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

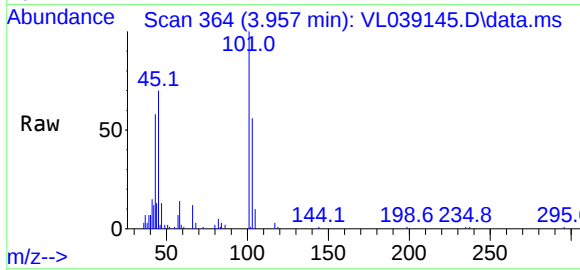
Tgt Ion: 43 Resp: 17241
Ion Ratio Lower Upper
43 100
57 52.9 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.245 ppbv
RT: 3.957 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

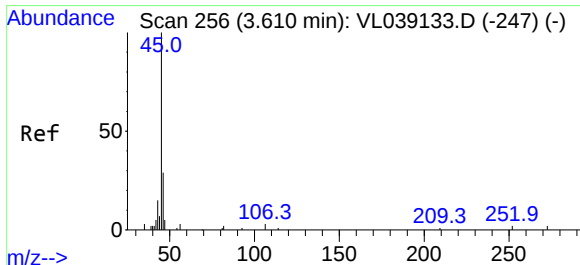
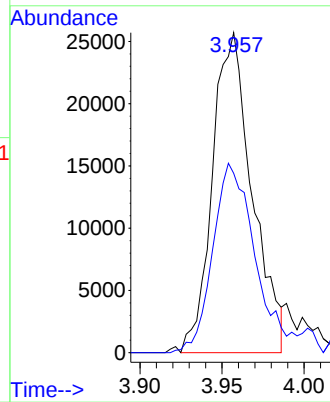
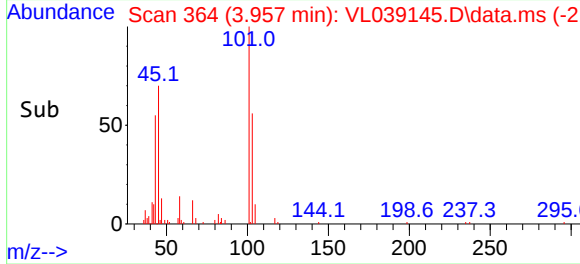
Instrument :
MSVOA_L
ClientSampleId :
OA1



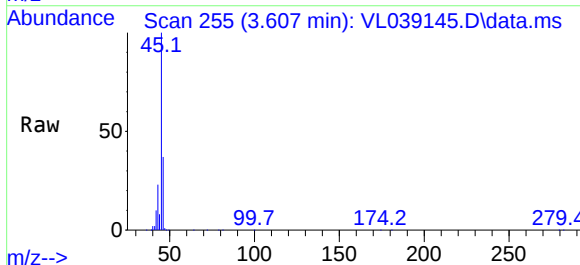
Tgt Ion:101 Resp: 4327
Ion Ratio Lower Upper
101 100
103 55.1 51.7 77.5

Manual Integrations
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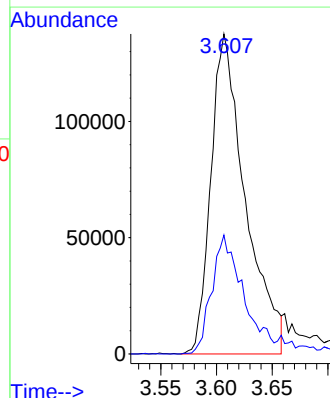
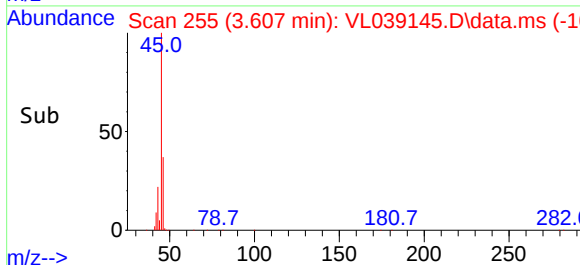
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

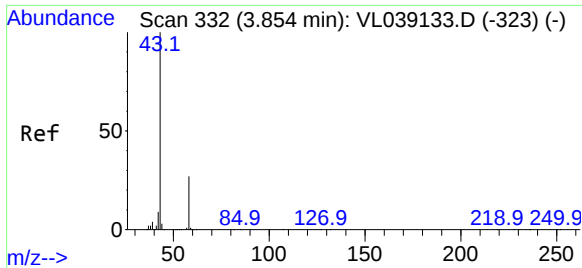


#13
Ethanol
Concen: 88.088 ppbv
RT: 3.607 min Scan# 255
Delta R.T. -0.003 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06



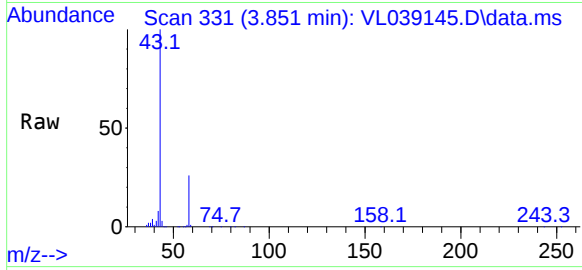
Tgt Ion: 45 Resp: 295769
Ion Ratio Lower Upper
45 100
46 39.7 0.0 0.0#





#15
Acetone
Concen: 8.364 ppbv
RT: 3.851 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

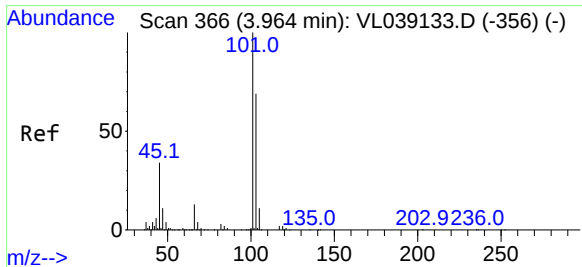
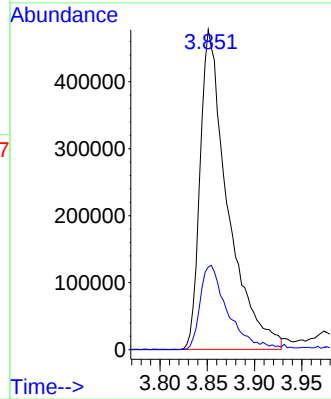
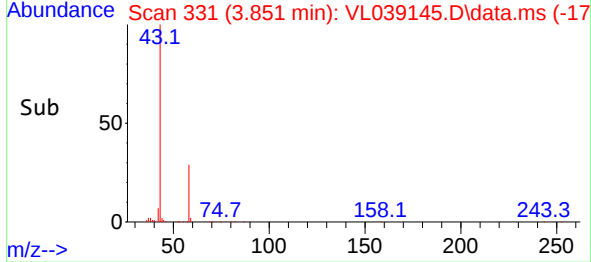
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 96687
Ion Ratio Lower Upper
43 100
58 28.4 22.5 33.7

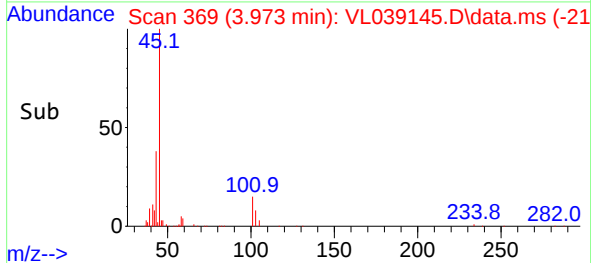
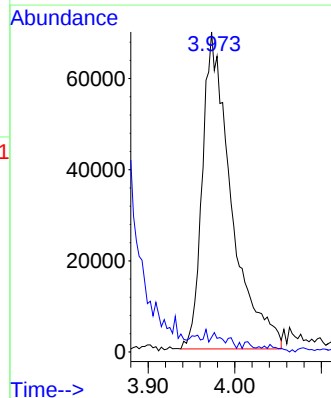
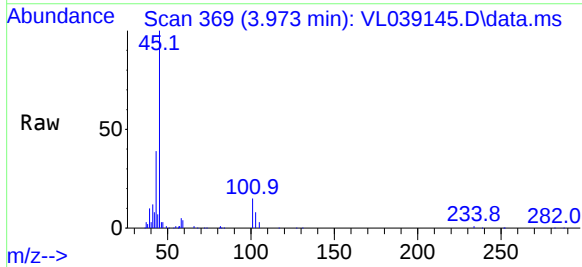
Manual Integrations
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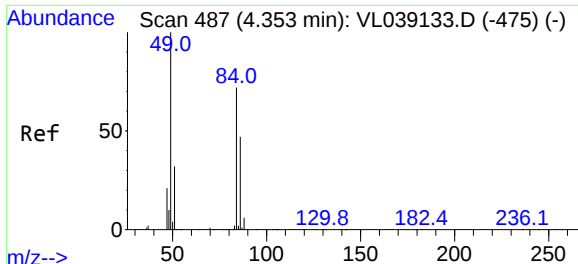
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#19
Isopropyl Alcohol
Concen: 2.984 ppbv
RT: 3.973 min Scan# 369
Delta R.T. 0.010 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

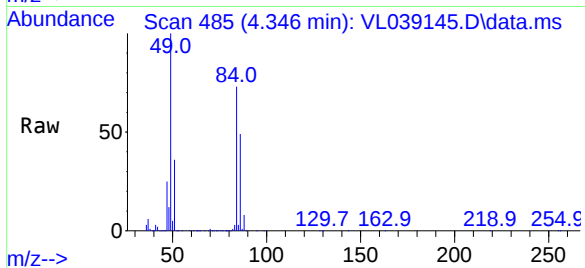
Tgt Ion: 45 Resp: 161793
Ion Ratio Lower Upper
45 100
58 160.9 1.8 2.8#





#20
Methylene Chloride
Concen: 127.164 ppbv
RT: 4.346 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

Instrument :
MSVOA_L
ClientSampleId :
OA1

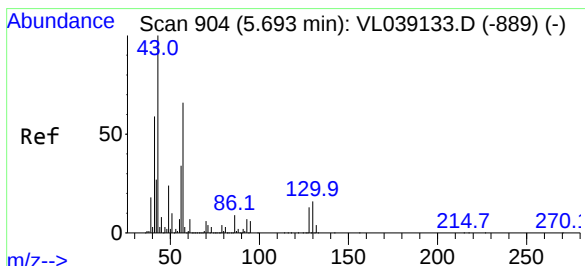
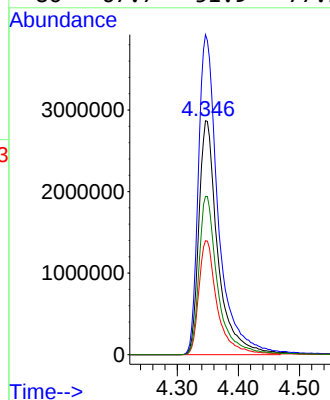
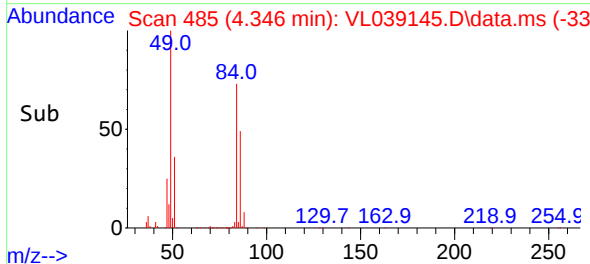


Tgt Ion: 84 Resp: 6194769

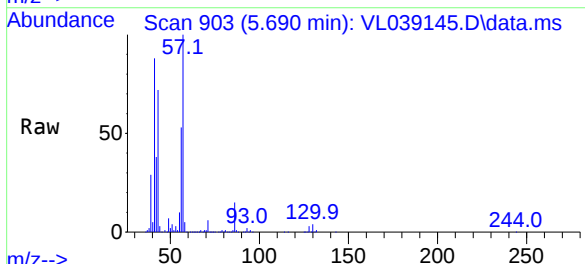
Ion	Ratio	Lower	Upper
84	100		
49	136.8	111.1	166.7
51	48.8	35.3	52.9
86	67.7	51.9	77.9

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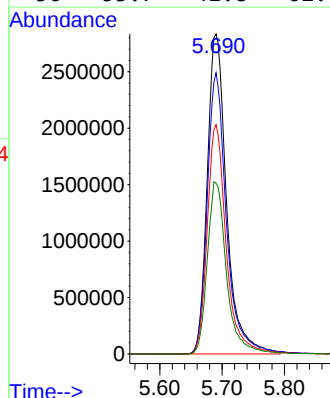
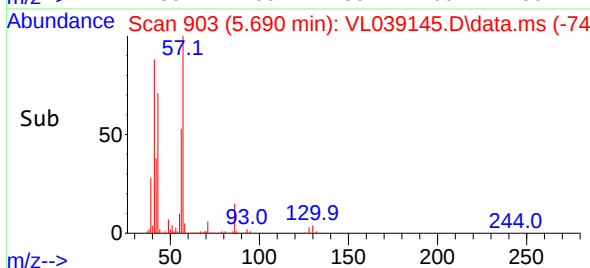


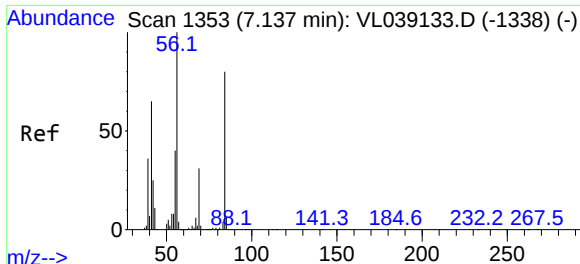
#26
Hexane
Concen: 53.354 ppbv
RT: 5.690 min Scan# 903
Delta R.T. -0.003 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06



Tgt Ion: 57 Resp: 6108815

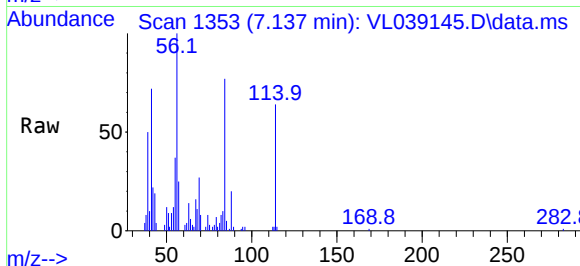
Ion	Ratio	Lower	Upper
57	100		
41	88.2	72.4	108.6
43	70.8	187.0	280.6#
56	53.7	41.8	62.6





#30
Cyclohexane
Concen: 0.312 ppbv m
RT: 7.137 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

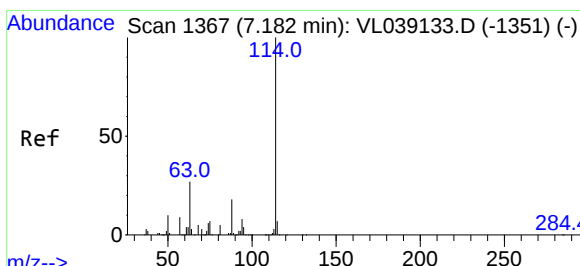
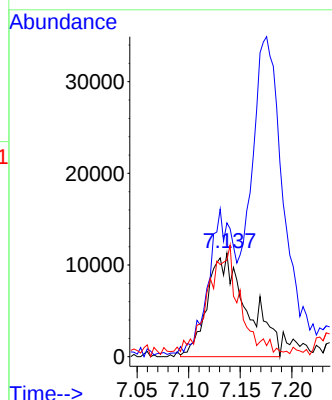
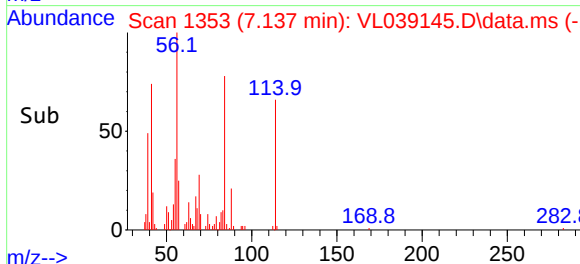
Instrument :
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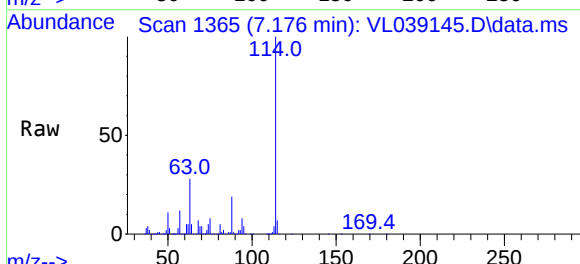
Tgt Ion: 84 Resp: 3005
Ion Ratio Lower Upper
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56 0.0 110.6 165.8
41 0.0 68.9 103.3

Manual Integrations
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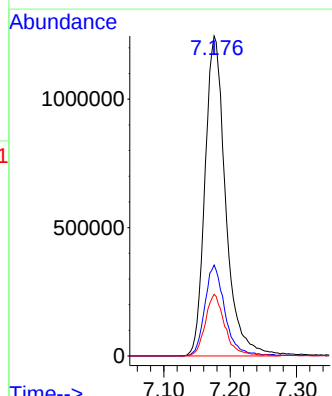
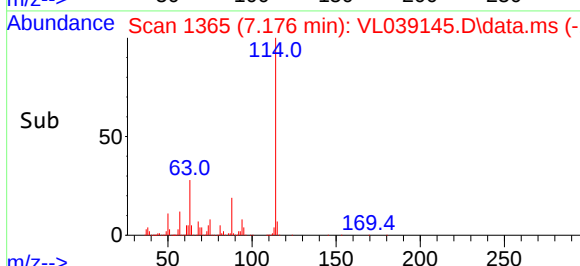
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

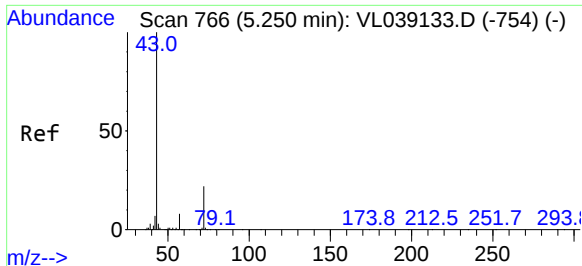


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 1365
Delta R.T. -0.006 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06



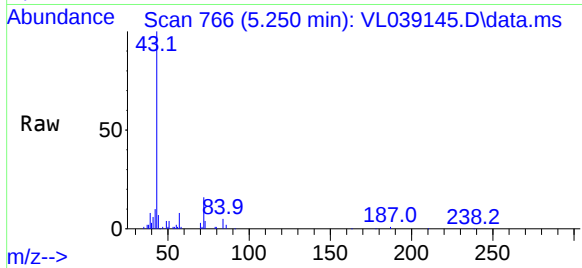
Tgt Ion:114 Resp: 2694560
Ion Ratio Lower Upper
114 100
63 28.2 21.7 32.5
88 18.6 14.8 22.2





#34
2-Butanone
Concen: 0.519 ppbv m
RT: 5.250 min Scan# 7590
Delta R.T. -0.000 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

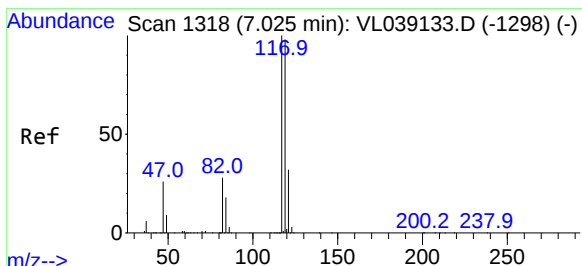
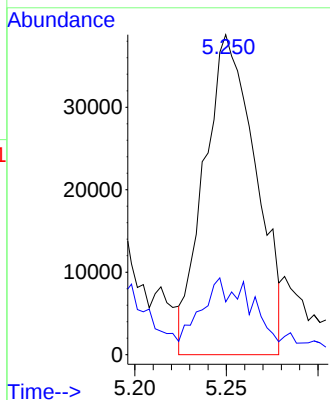
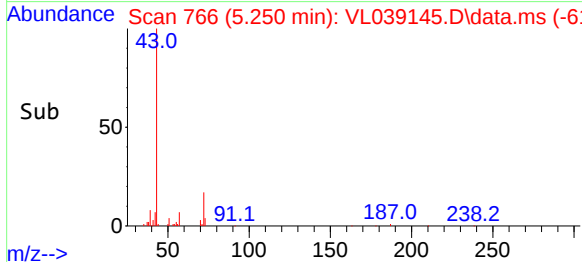
Instrument :
MSVOA_L
ClientSampleId :
OA1



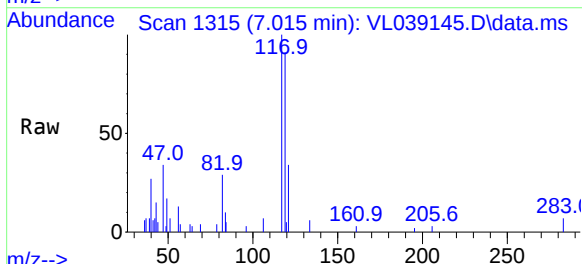
Tgt Ion: 43 Resp: 7590
Ion Ratio Lower Upper
43 100
72 28.4 18.2 27.2

Manual Integrations
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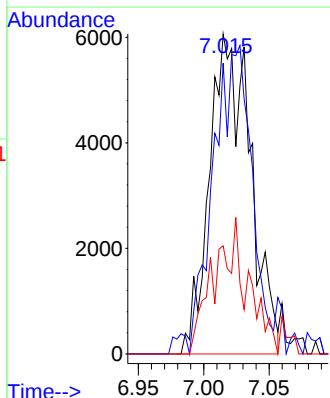
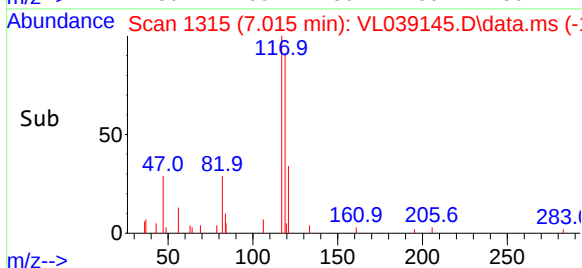
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

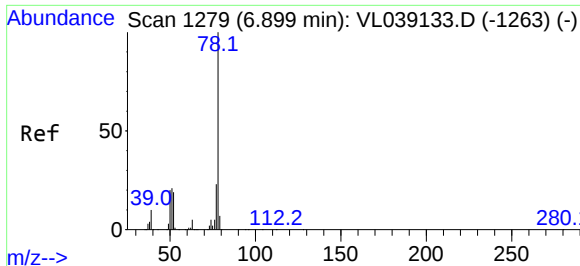


#35
Carbon Tetrachloride
Concen: 0.067 ppbv m
RT: 7.015 min Scan# 1315
Delta R.T. -0.010 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06



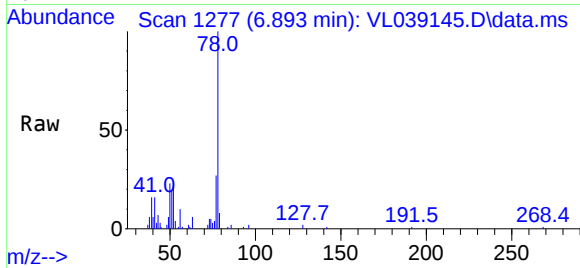
Tgt Ion:117 Resp: 13172
Ion Ratio Lower Upper
117 100
119 90.8 78.6 118.0
121 33.8 25.4 38.0





#36
Benzene
Concen: 0.159 ppbv
RT: 6.893 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

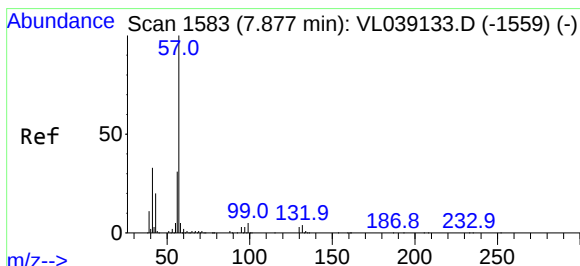
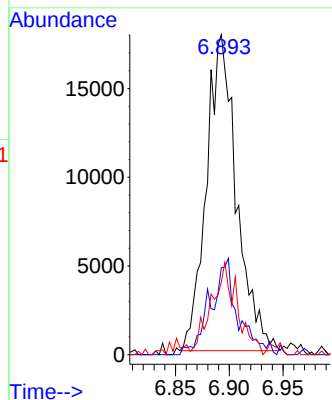
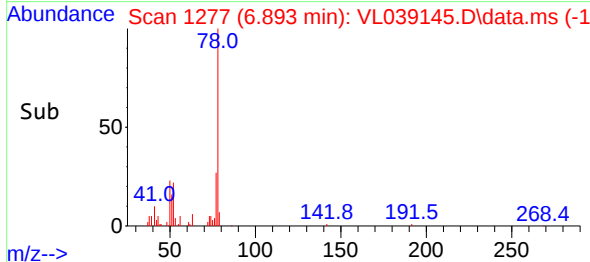
Instrument :
MSVOA_L
ClientSampleId :
OA1



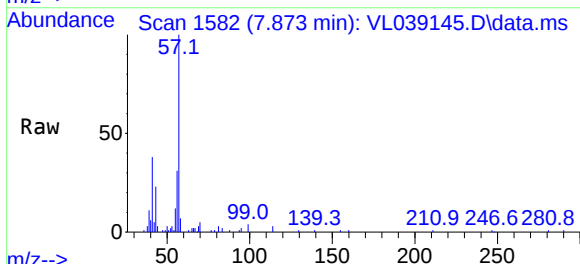
Tgt Ion: 78 Resp: 3482
Ion Ratio Lower Upper
78 100
77 27.4 18.6 27.8
50 18.3 15.8 23.8

Manual Integrations
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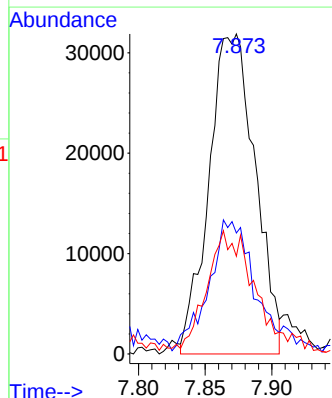
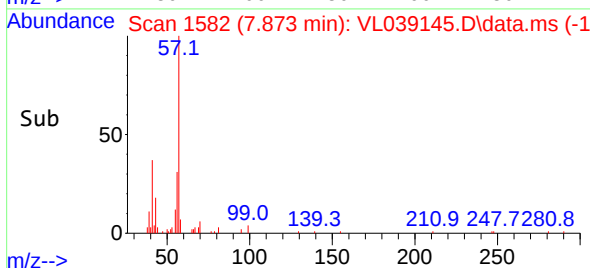
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

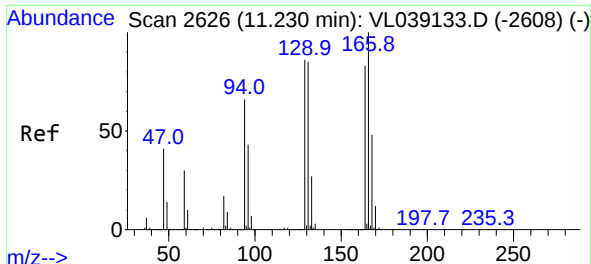


#44
2,2,4-Trimethylpentane
Concen: 0.201 ppbv m
RT: 7.873 min Scan# 1582
Delta R.T. -0.003 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06



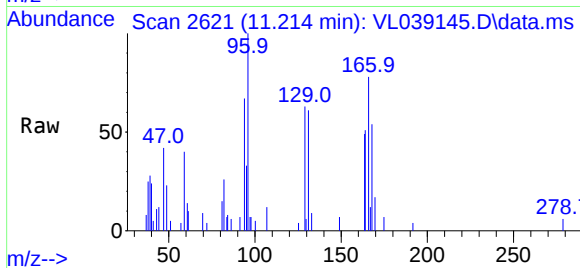
Tgt Ion: 57 Resp: 76963
Ion Ratio Lower Upper
57 100
41 0.0 26.2 39.4#
56 0.0 24.7 37.1#





#52
Tetrachloroethene
Concen: 0.081 ppbv m
RT: 11.214 min Scan# 2621
Delta R.T. -0.016 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

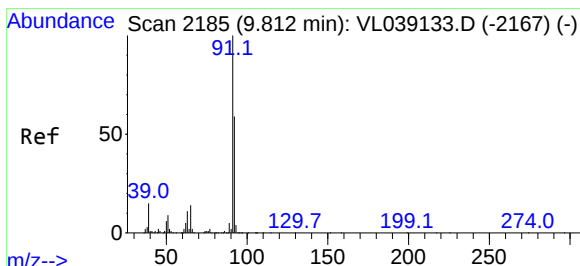
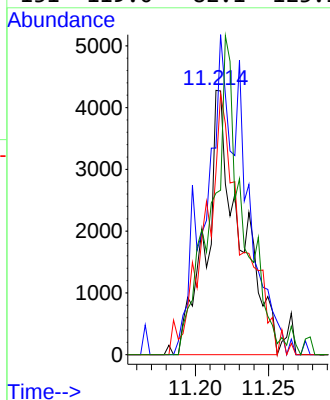
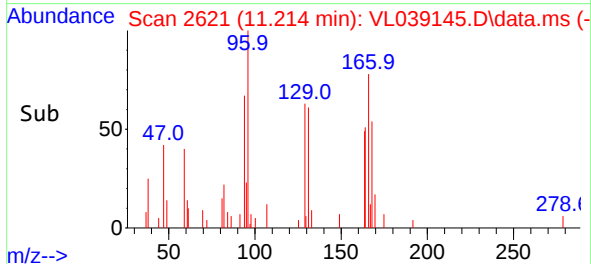
Instrument :
MSVOA_L
ClientSampleId :
OA1



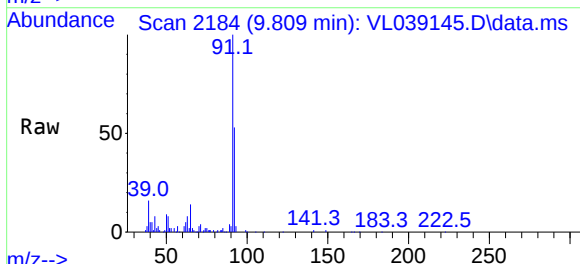
Tgt Ion:164 Resp: 6920
Ion Ratio Lower Upper
164 100
166 152.0 96.3 144.5
129 121.8 82.5 123.7
131 119.0 82.1 123.1

Manual Integrations
APPROVED

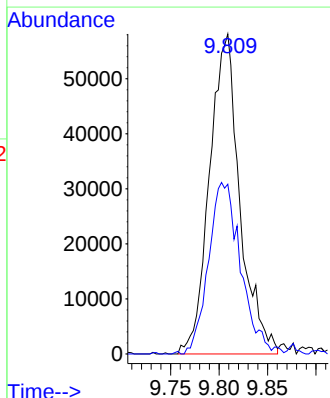
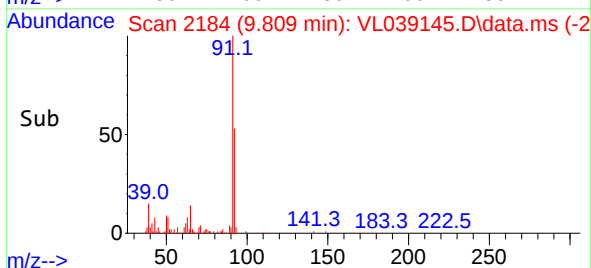
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

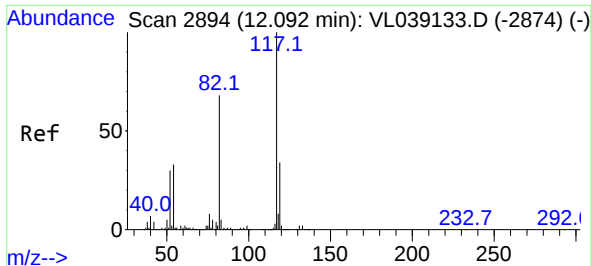


#53
Toluene
Concen: 0.501 ppbv m
RT: 9.809 min Scan# 2184
Delta R.T. -0.003 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06



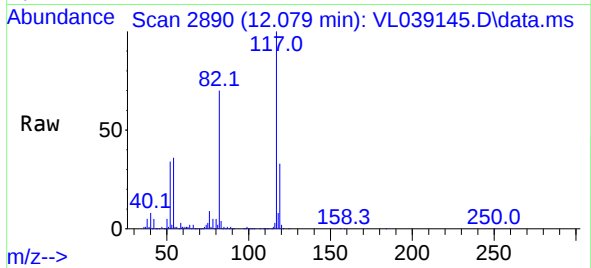
Tgt Ion: 91 Resp: 126289
Ion Ratio Lower Upper
91 100
92 57.9 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.079 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

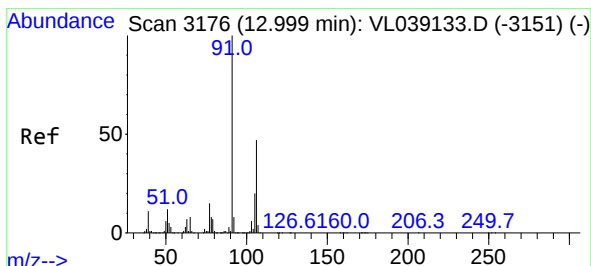
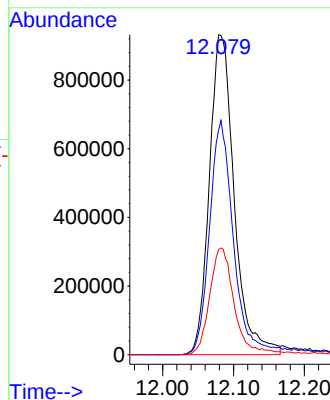
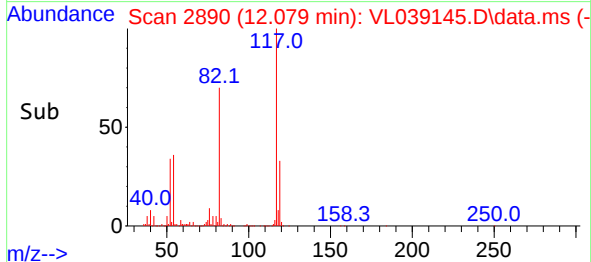
Instrument :
MSVOA_L
ClientSampleId :
OA1



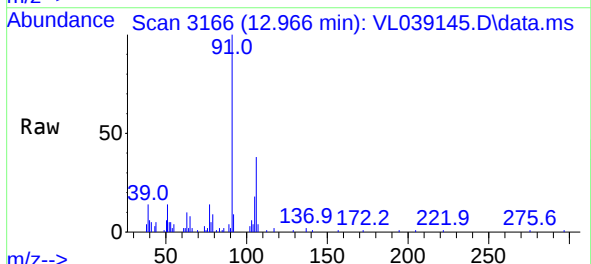
Tgt Ion:117 Resp: 227438
Ion Ratio Lower Upper
117 100
82 72.6 55.1 82.7
119 34.3 24.7 37.1

Manual Integrations
APPROVED

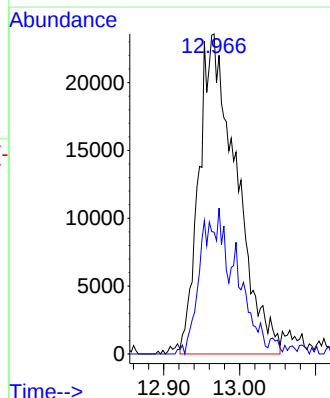
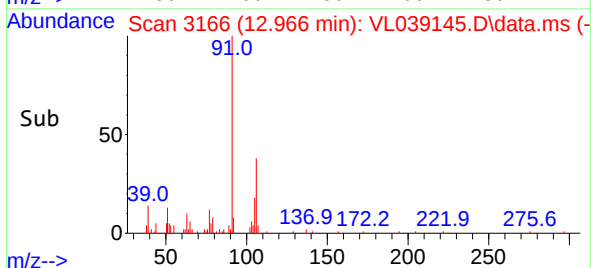
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022

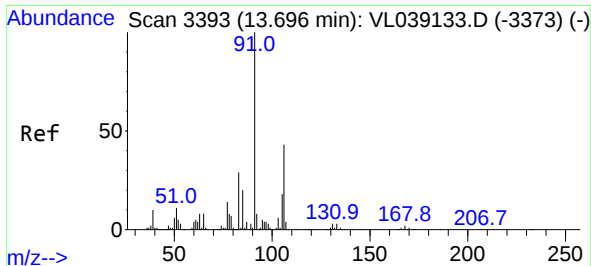


#59
m/p-Xylene
Concen: 0.292 ppbv m
RT: 12.966 min Scan# 3166
Delta R.T. -0.032 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06



Tgt Ion: 91 Resp: 80563
Ion Ratio Lower Upper
91 100
106 44.3 34.3 51.5





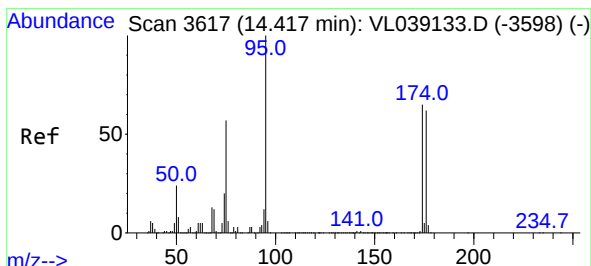
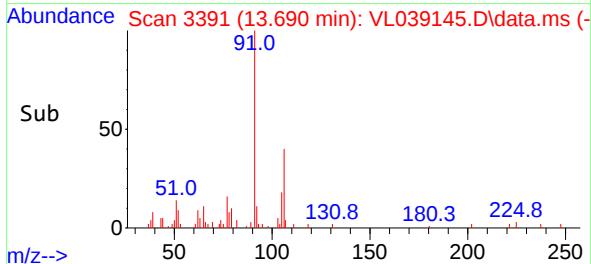
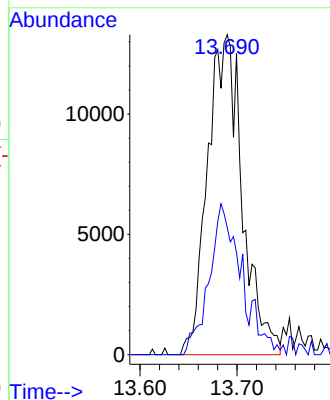
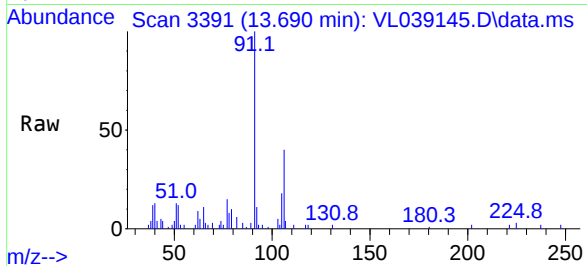
#60
o-Xylene
Concen: 0.128 ppbv m
RT: 13.690 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 3323
Ion Ratio Lower Upper
91 100
106 45.0 22.3 66.9

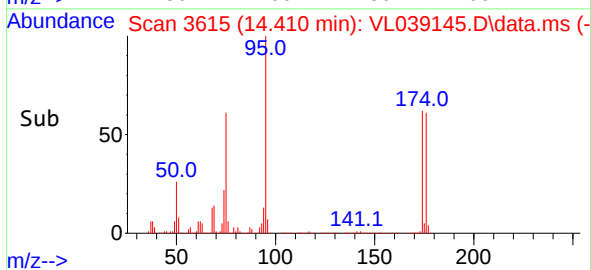
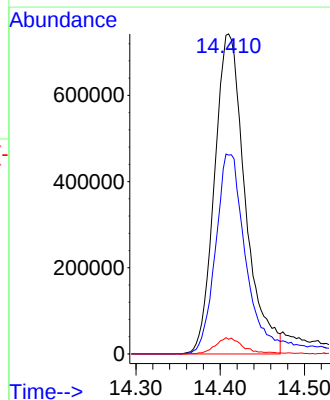
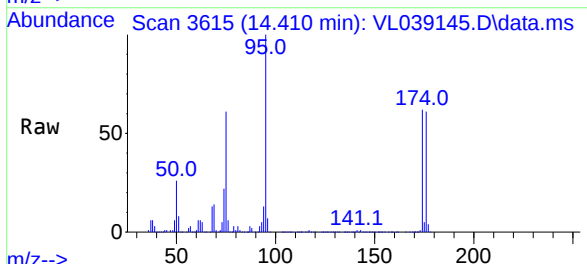
Manual Integrations
APPROVED

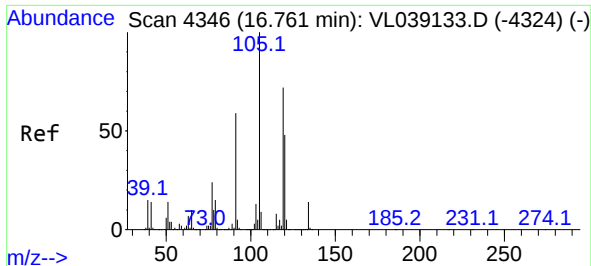
Reviewed By :Semsettin Yesilyurt 06/06/2022
Supervised By :Mahesh Dadoda 06/06/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.963 ppbv
RT: 14.410 min Scan# 3615
Delta R.T. -0.007 min
Lab File: VL039145.D
Acq: 1 Jun 2022 13:06

Tgt Ion: 95 Resp: 1873427
Ion Ratio Lower Upper
95 100
174 67.1 53.8 80.8
175 4.8 4.1 6.1





#74

1,2,4-Trimethylbenzene

Concen: 0.217 ppbv m

RT: 16.751 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL039145.D

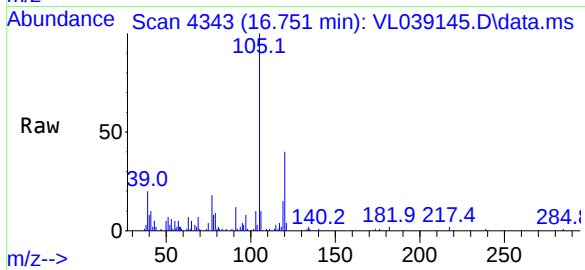
Acq: 1 Jun 2022 13:06

Instrument :

MSVOA_L

ClientSampleId :

OA1



Tgt Ion:105 Resp: 66360

Ion Ratio Lower Upper

105 100

120 40.2 38.1 57.1

91 12.4 47.4 71.0

77 17.7 19.5 29.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2022

Supervised By :Mahesh Dadoda 06/06/2022

