

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
 Data File : VL039167.D
 Acq On : 4 Jun 2022 00:32
 Operator : SY/AP
 Sample : N3106-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2022
 Supervised By :Mahesh Dadoda 06/06/2022

Quant Time: Jun 04 02:23:40 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 04 02:23:40 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	5.674	49	1293601	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	3441502	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.092	117	3088942	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	2532867	9.918	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.060	85	51017	0.225	ppbv	97
3) Chlorodifluoromethane	2.989	51	67484m	0.410	ppbv	
9) Propene	3.025	41	279480	3.894	ppbv #	79
10) Heptane	8.131	43	196830	1.176	ppbv	97
11) Trichlorofluoromethane	3.964	101	43082	0.209	ppbv	95
13) Ethanol	3.616	45	98408m	25.143	ppbv	
15) Acetone	3.861	43	339793	2.522	ppbv #	47
17) tert-Butyl alcohol	4.301	59	37878m	0.362	ppbv	
19) Isopropyl Alcohol	3.973	45	246755	3.904	ppbv #	1
20) Methylene Chloride	4.350	84	71322	1.256	ppbv	96
23) Vinyl Acetate	5.079	43	695163	6.235	ppbv #	92
26) Hexane	5.697	57	1089687	8.164	ppbv #	31
27) Carbon Disulfide	4.562	76	33600m	0.243	ppbv	
34) 2-Butanone	5.250	43	1619981	8.664	ppbv	100
35) Carbon Tetrachloride	7.021	117	9425m	0.038	ppbv	
36) Benzene	6.899	78	29587m	0.106	ppbv	
51) 2-Hexanone	10.137	43	607298	2.789	ppbv #	99
52) Tetrachloroethene	11.230	164	297809	2.730	ppbv	95
53) Toluene	9.816	91	49576m	0.154	ppbv	
59) m/p-Xylene	12.973	91	63615m	0.170	ppbv	
60) o-Xylene	13.700	91	35173m	0.100	ppbv	
62) Isopropylbenzene	14.671	105	61698m	0.118	ppbv	
74) 1,2,4-Trimethylbenzene	16.764	105	95218m	0.229	ppbv	
79) Naphthalene	22.194	128	39198m	0.123	ppbv	

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

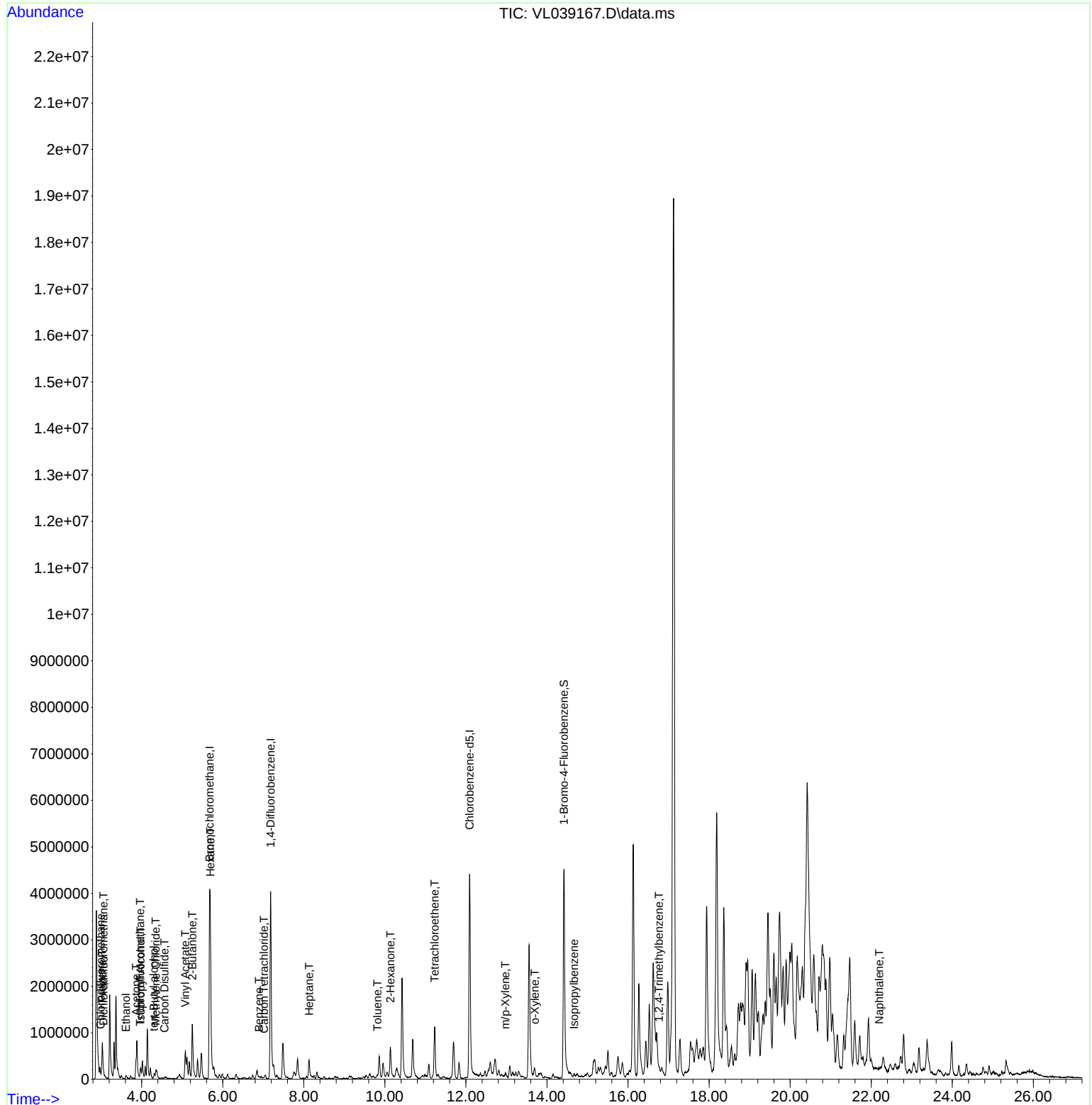
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
Data File : VL039167.D
Acq On : 4 Jun 2022 00:32
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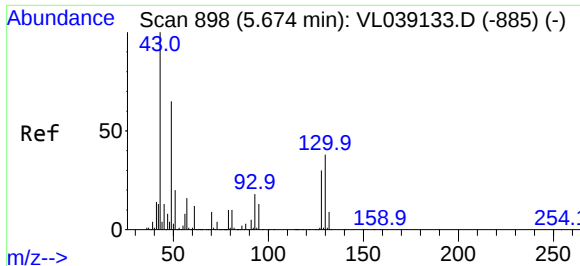
Instrument :
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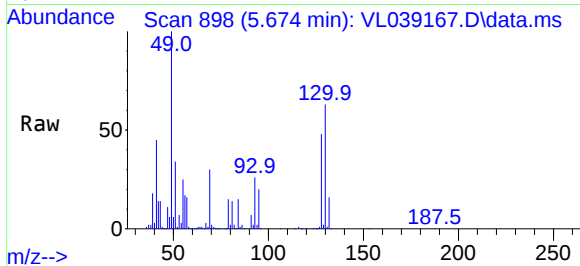
Quant Time: Jun 04 02:23:40 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 898
Delta R.T. 0.000 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32

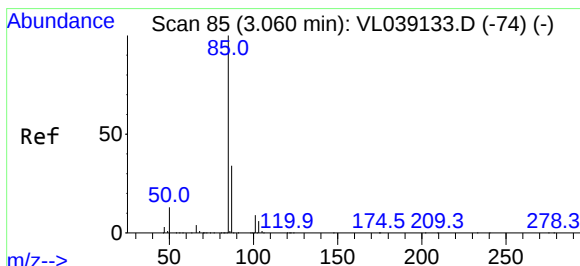
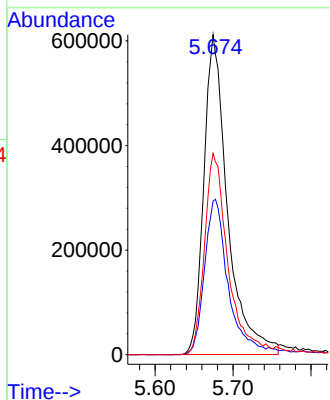
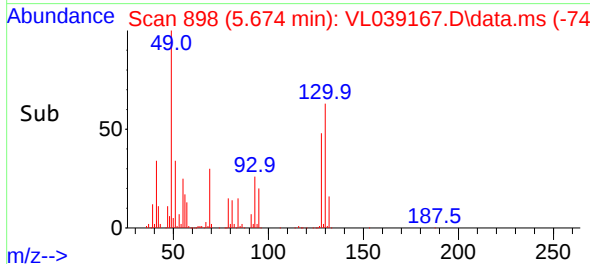
Instrument :
MSVOA_L
ClientSampleId :
SV3



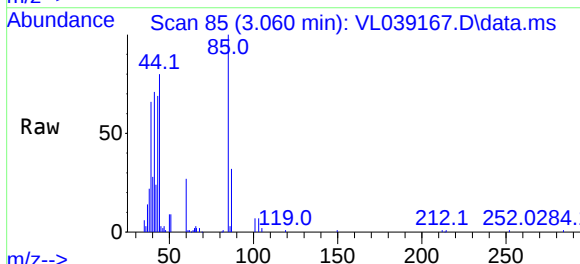
Tgt Ion: 49 Resp: 129360
Ion Ratio Lower Upper
49 100
128 50.7 24.7 74.1
130 65.7 31.4 94.0

Manual Integrations
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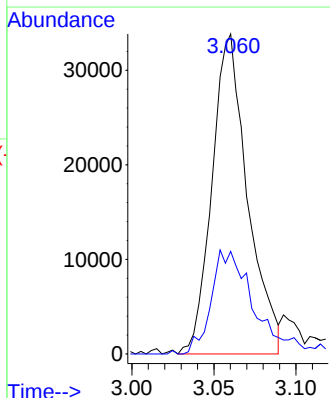
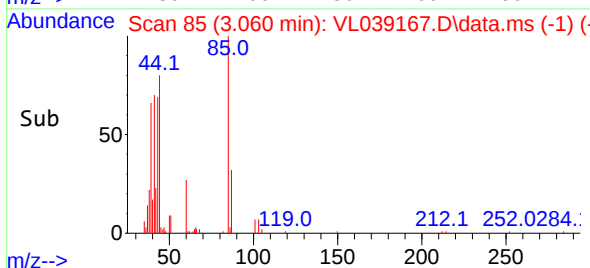
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

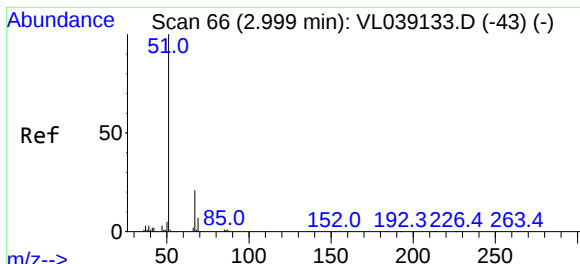


#2
Dichlorodifluoromethane
Concen: 0.225 ppbv
RT: 3.060 min Scan# 85
Delta R.T. 0.000 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32



Tgt Ion: 85 Resp: 51017
Ion Ratio Lower Upper
85 100
87 32.1 26.9 40.3





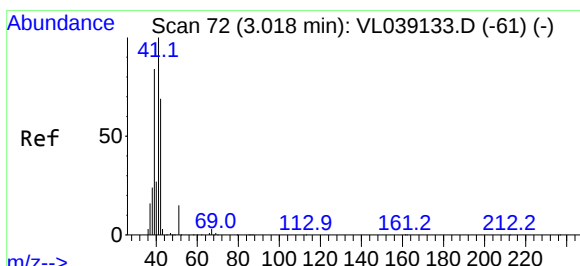
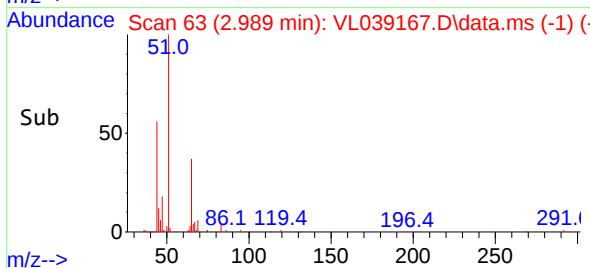
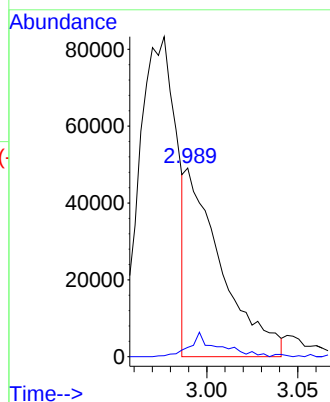
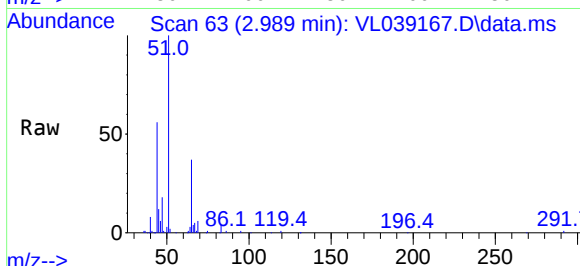
#3
Chlorodifluoromethane
Concen: 0.410 ppbv m
RT: 2.989 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32

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Tgt Ion: 51 Resp: 67484
Ion Ratio Lower Upper
51 100
67 10.8 16.2 24.4

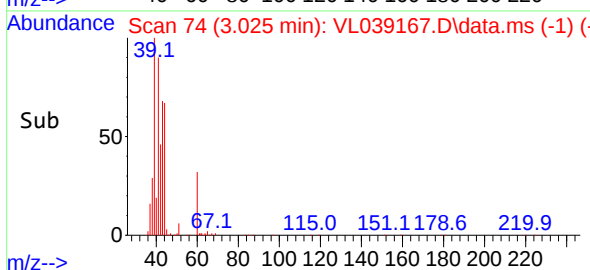
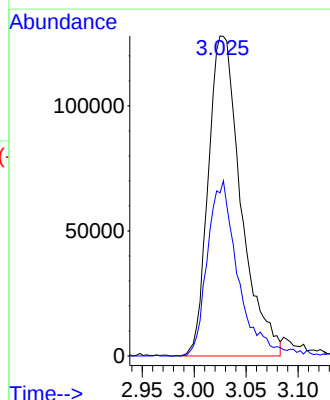
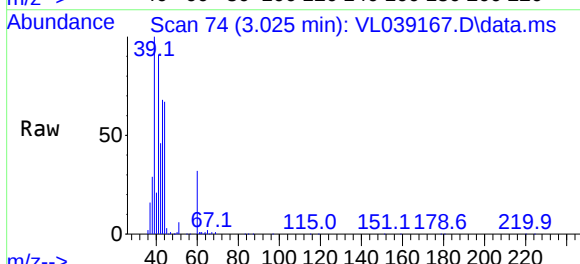
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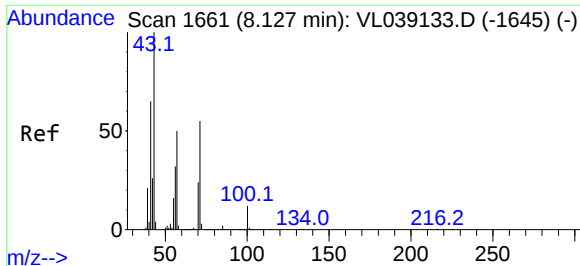
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#9
Propene
Concen: 3.894 ppbv
RT: 3.025 min Scan# 74
Delta R.T. 0.007 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32

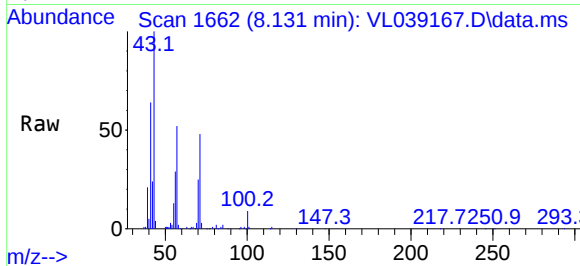
Tgt Ion: 41 Resp: 279480
Ion Ratio Lower Upper
41 100
42 51.9 55.4 83.2





#10
Heptane
Concen: 1.176 ppbv
RT: 8.131 min Scan# 10
Delta R.T. 0.003 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32

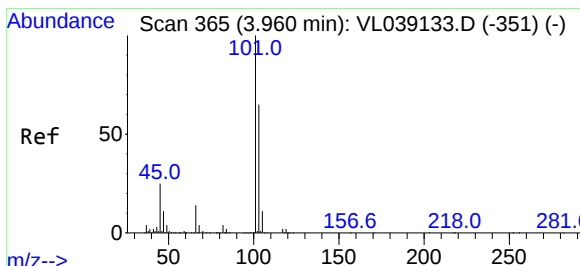
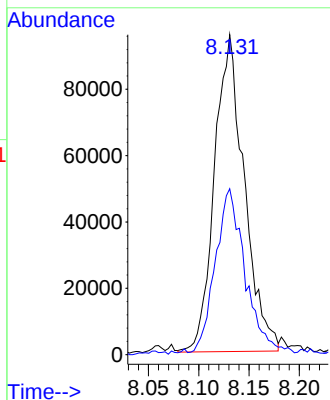
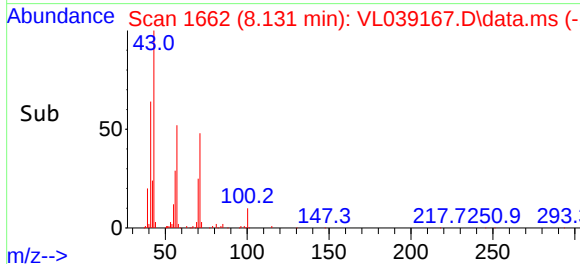
Instrument :
MSVOA_L
ClientSampleId :
SV3



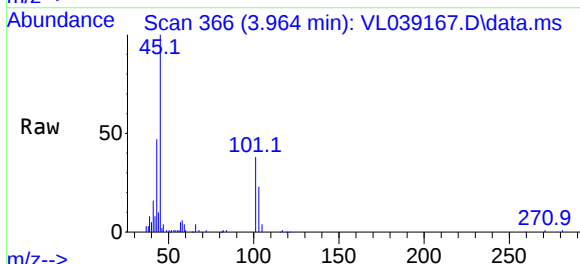
Tgt Ion: 43 Resp: 196830
Ion Ratio Lower Upper
43 100
57 54.0 41.4 62.2

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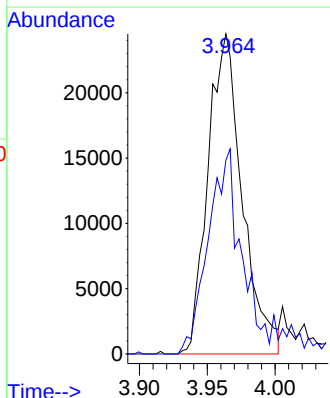
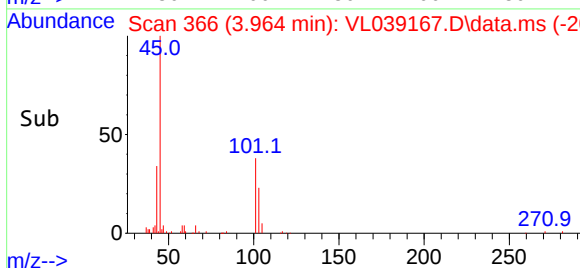
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

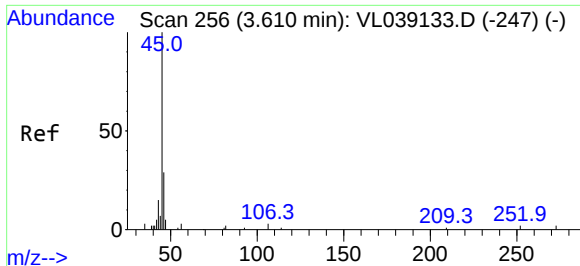


#11
Trichlorofluoromethane
Concen: 0.209 ppbv
RT: 3.964 min Scan# 366
Delta R.T. 0.003 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32



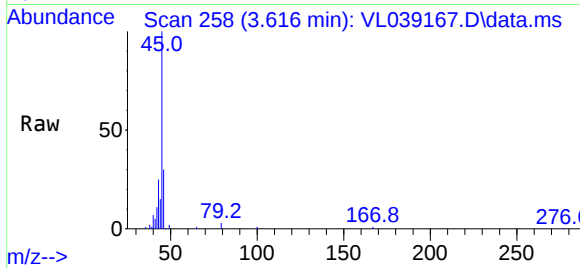
Tgt Ion:101 Resp: 43082
Ion Ratio Lower Upper
101 100
103 60.6 51.7 77.5





#13
Ethanol
Concen: 25.143 ppbv m
RT: 3.616 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32

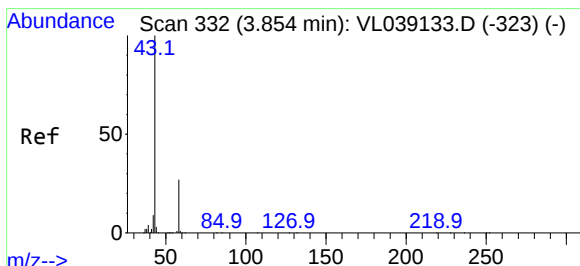
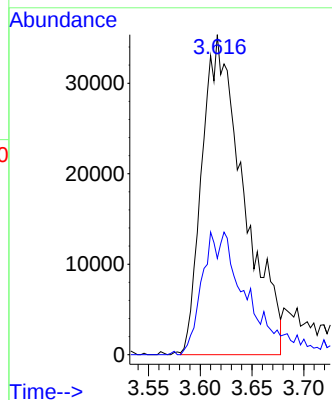
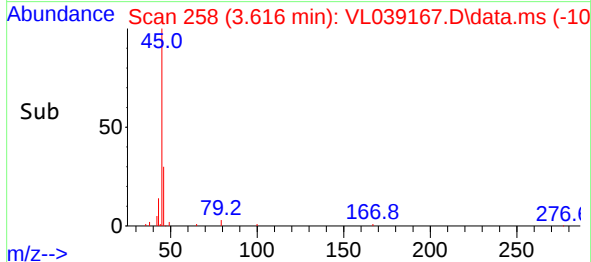
Instrument :
MSVOA_L
ClientSampleId :
SV3



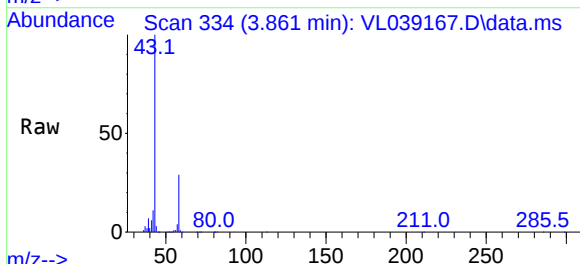
Tgt Ion: 45 Resp: 98408
Ion Ratio Lower Upper
45 100
46 42.2 0.0 0.0

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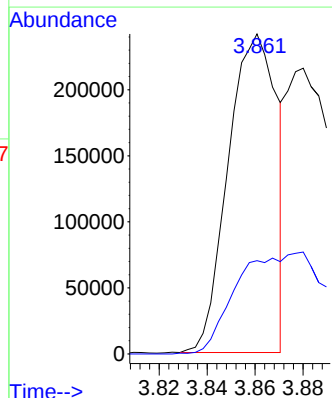
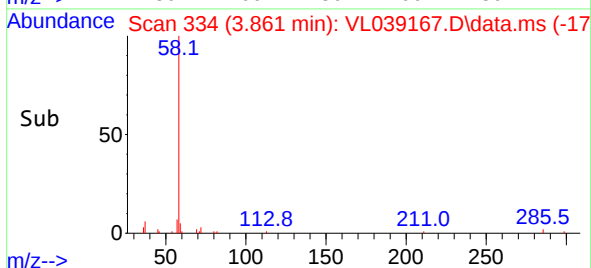
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

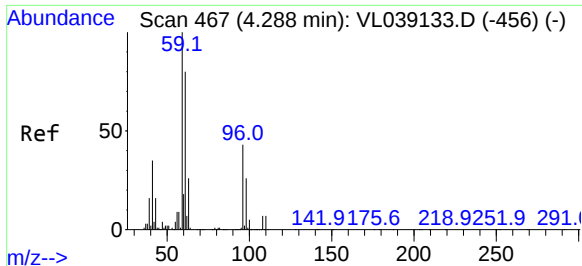


#15
Acetone
Concen: 2.522 ppbv
RT: 3.861 min Scan# 334
Delta R.T. 0.007 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32



Tgt Ion: 43 Resp: 339793
Ion Ratio Lower Upper
43 100
58 0.0 22.5 33.7





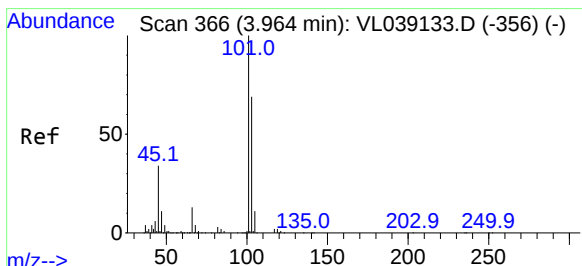
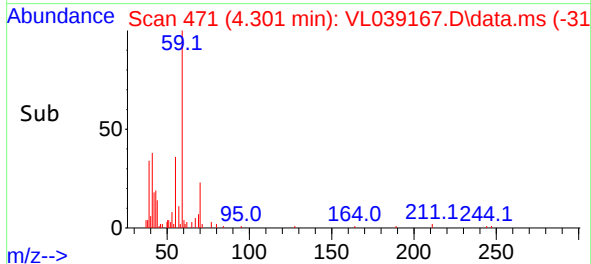
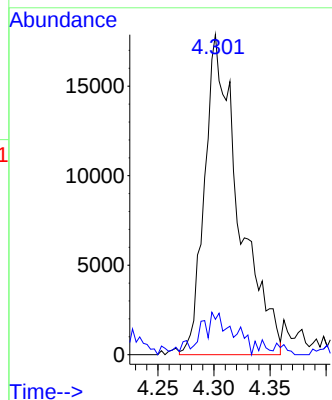
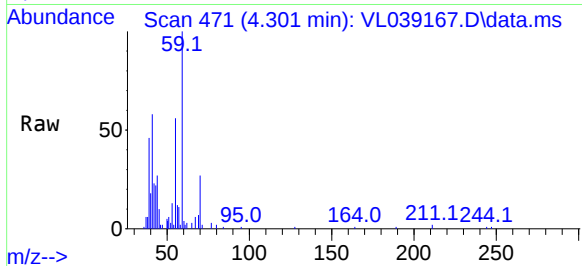
#17
tert-Butyl alcohol
Concen: 0.362 ppbv m
RT: 4.301 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32

Instrument :
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SV3

Tgt Ion: 59 Resp: 37878
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7

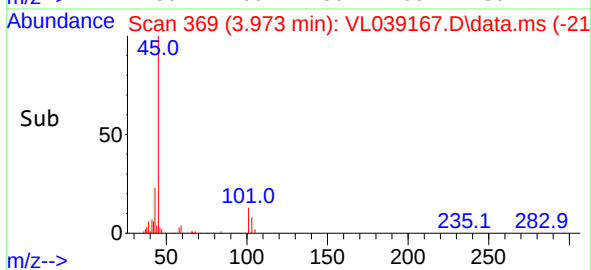
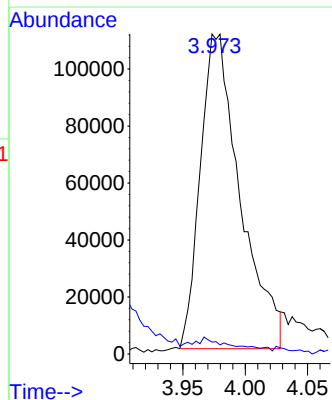
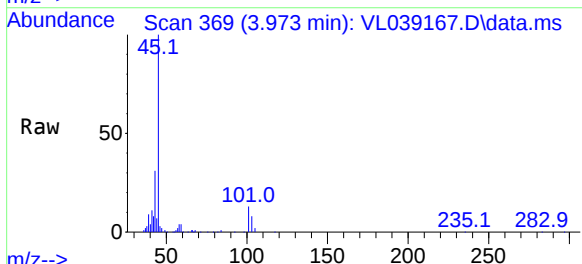
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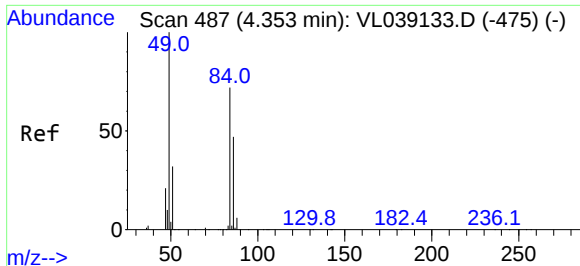
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#19
Isopropyl Alcohol
Concen: 3.904 ppbv
RT: 3.973 min Scan# 369
Delta R.T. 0.010 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32

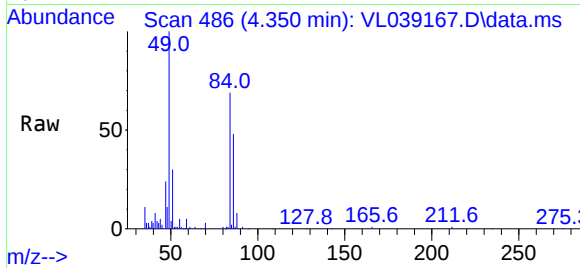
Tgt Ion: 45 Resp: 246755
Ion Ratio Lower Upper
45 100
58 100.1 1.8 2.8





#20
Methylene Chloride
Concen: 1.256 ppbv
RT: 4.350 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32

Instrument :
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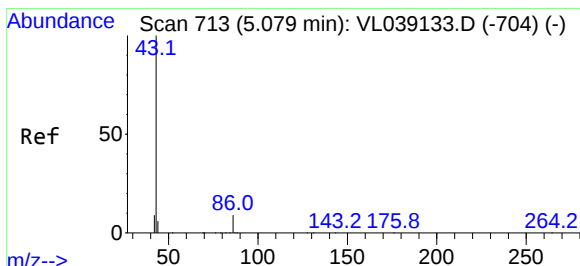
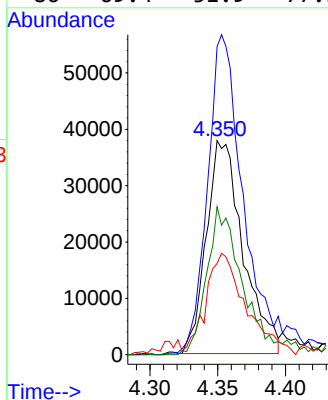
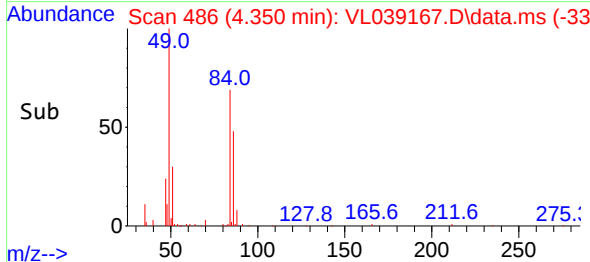


Tgt Ion: 84 Resp: 7132

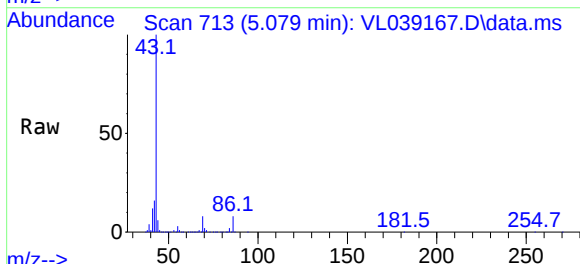
Ion	Ratio	Lower	Upper
84	100		
49	140.7	111.1	166.7
51	36.5	35.3	52.9
86	69.4	51.9	77.9

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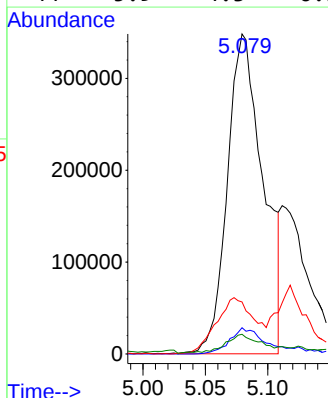
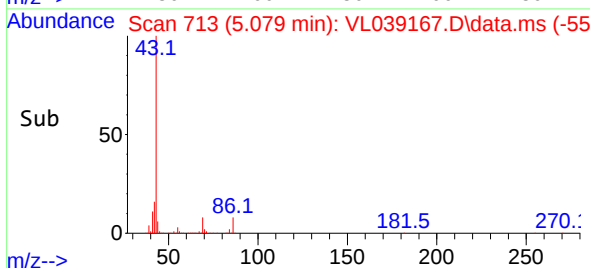


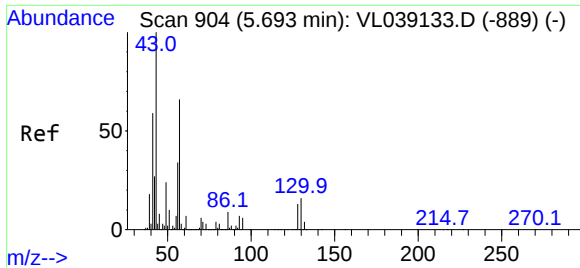
#23
Vinyl Acetate
Concen: 6.235 ppbv
RT: 5.079 min Scan# 713
Delta R.T. 0.000 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32



Tgt Ion: 43 Resp: 695163

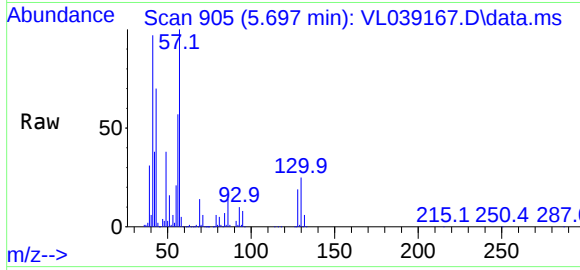
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.0	9.0
42	16.1	8.2	12.4#
44	5.9	4.3	6.5





#26
Hexane
Concen: 8.164 ppbv
RT: 5.697 min Scan# 904
Delta R.T. 0.003 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32

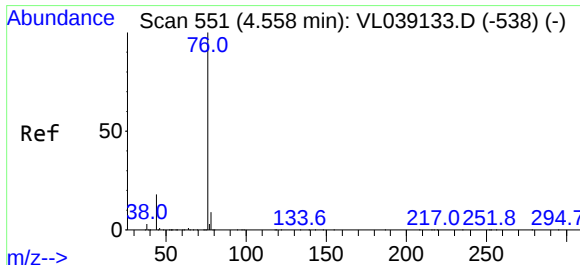
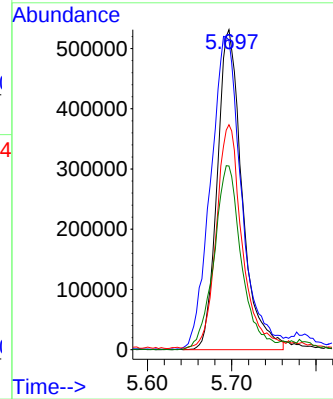
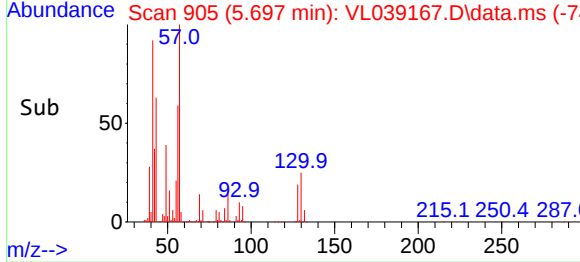
Instrument :
MSVOA_L
ClientSampleId :
SV3



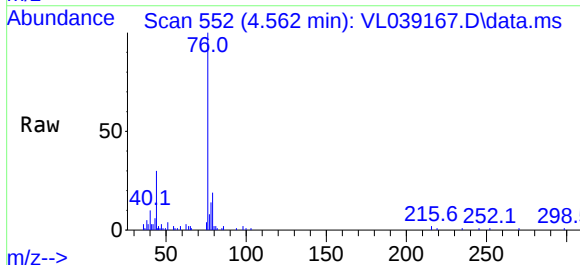
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Ion Ratio Lower Upper
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41 121.9 72.4 108.6
43 75.0 187.0 280.6
56 63.4 41.8 62.6

Manual Integrations
APPROVED

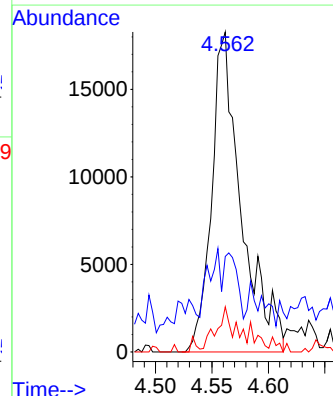
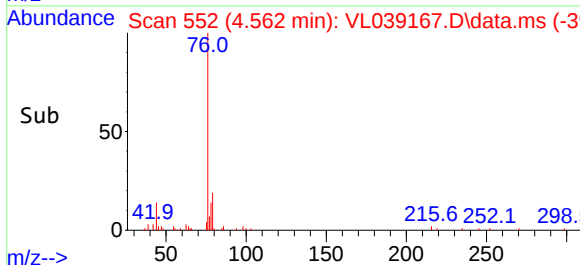
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

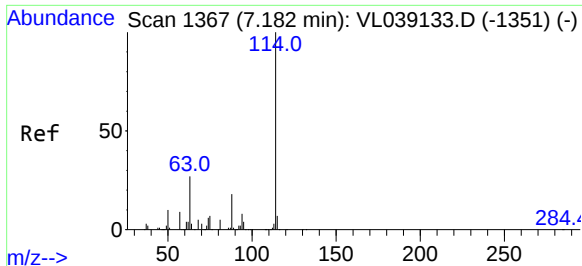


#27
Carbon Disulfide
Concen: 0.243 ppbv m
RT: 4.562 min Scan# 552
Delta R.T. 0.003 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32



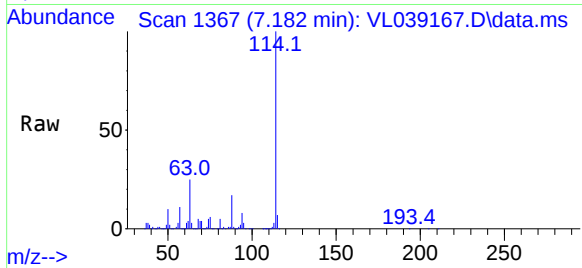
Tgt Ion: 76 Resp: 33600
Ion Ratio Lower Upper
76 100
44 39.0 14.4 21.6
78 13.7 7.7 11.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 114
Delta R.T. 0.000 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32

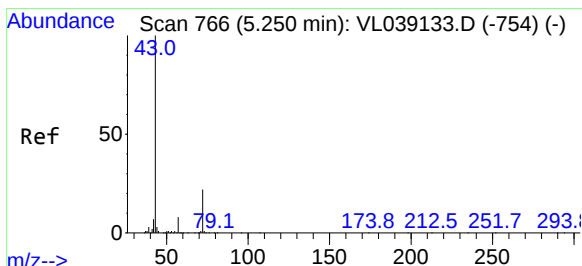
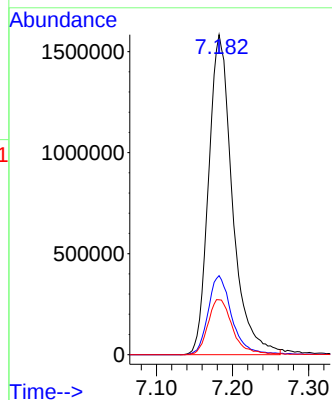
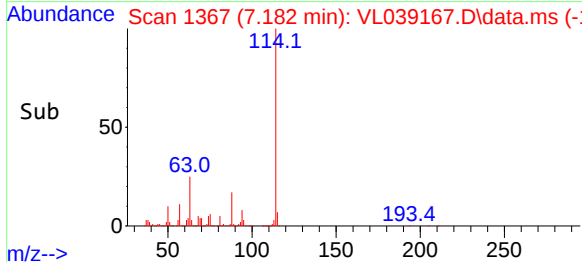
Instrument :
MSVOA_L
ClientSampleId :
SV3



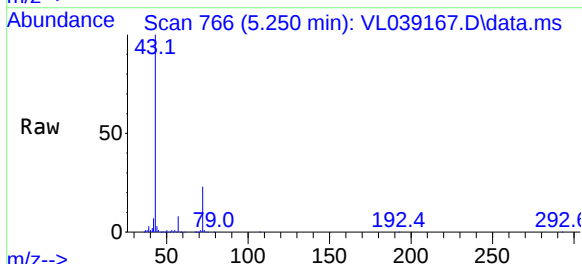
Tgt Ion:114 Resp: 344150
Ion Ratio Lower Upper
114 100
63 24.9 21.7 32.5
88 18.0 14.8 22.2

Manual Integrations
APPROVED

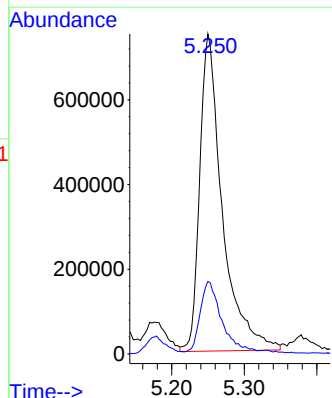
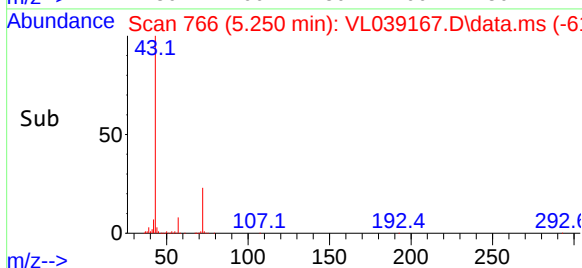
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

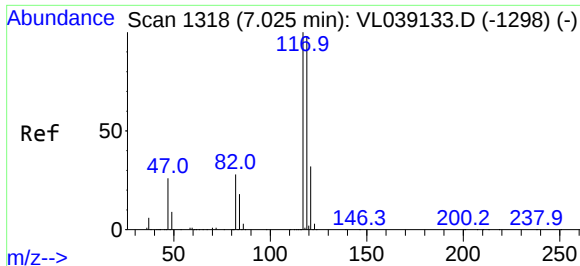


#34
2-Butanone
Concen: 8.664 ppbv
RT: 5.250 min Scan# 766
Delta R.T. 0.000 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32



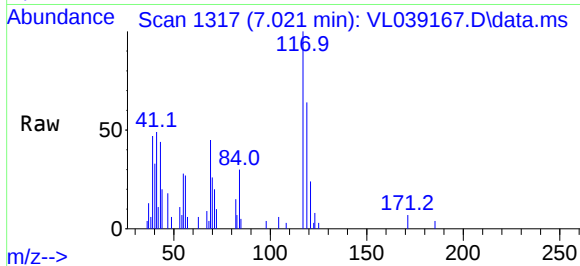
Tgt Ion: 43 Resp: 1619981
Ion Ratio Lower Upper
43 100
72 22.5 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.038 ppbv m
RT: 7.021 min Scan# 1117
Delta R.T. -0.003 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32

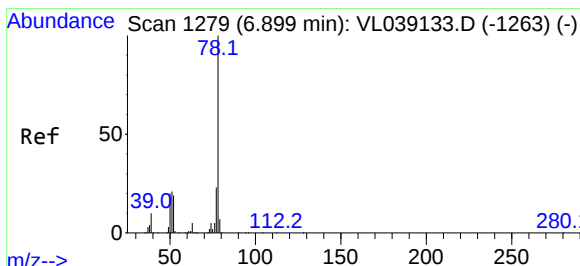
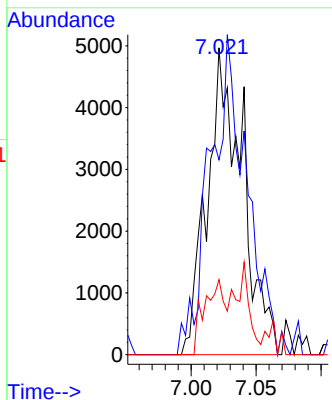
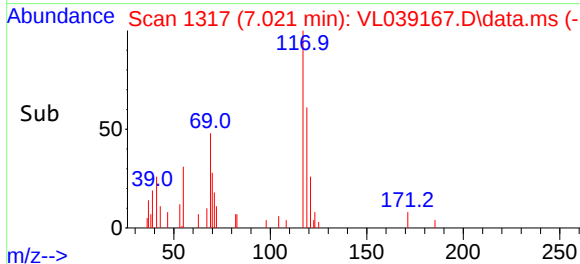
Instrument :
MSVOA_L
ClientSampleId :
SV3



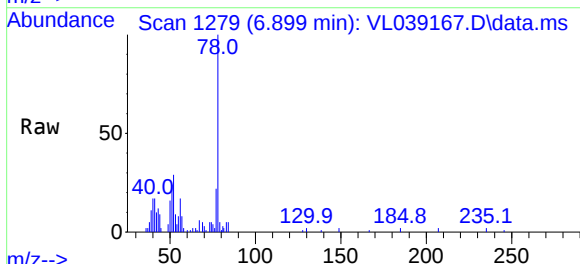
Tgt Ion:117 Resp: 942
Ion Ratio Lower Upper
117 100
119 63.5 78.6 118.0
121 24.4 25.4 38.0

Manual Integrations
APPROVED

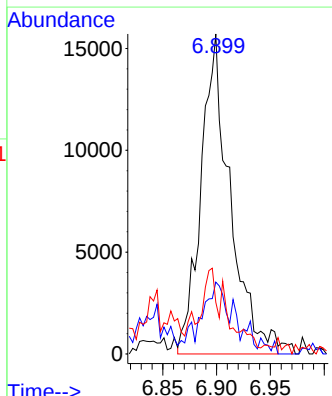
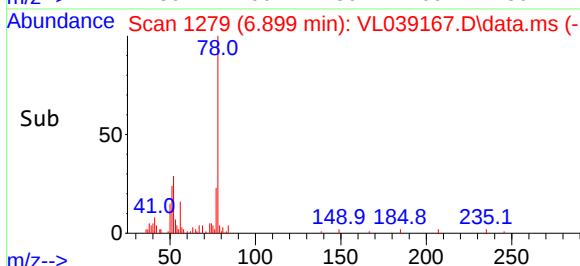
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

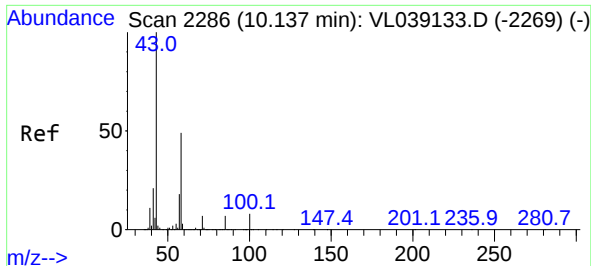


#36
Benzene
Concen: 0.106 ppbv m
RT: 6.899 min Scan# 1279
Delta R.T. 0.000 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32



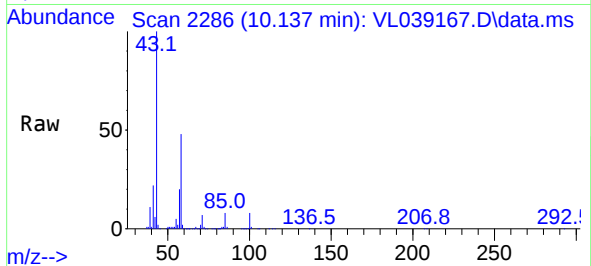
Tgt Ion: 78 Resp: 29587
Ion Ratio Lower Upper
78 100
77 22.5 18.6 27.8
50 16.2 15.8 23.8





#51
2-Hexanone
Concen: 2.789 ppbv
RT: 10.137 min Scan# 2286
Delta R.T. 0.000 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32

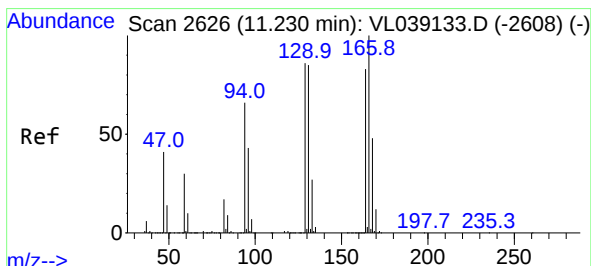
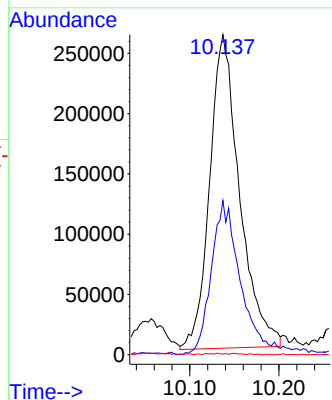
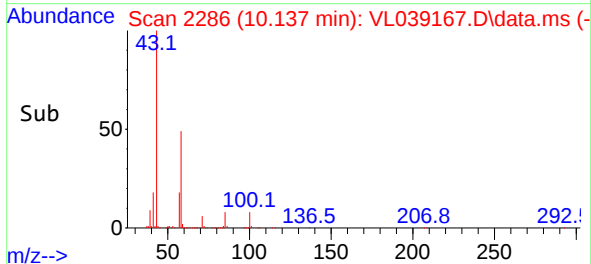
Instrument :
MSVOA_L
ClientSampleId :
SV3



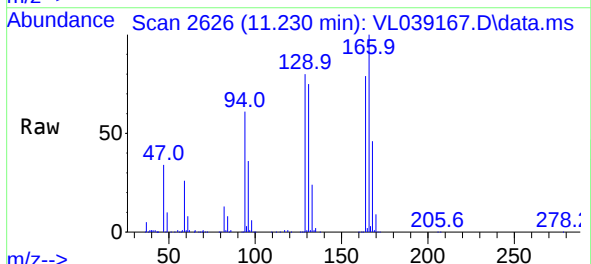
Tgt Ion: 43 Resp: 607298
Ion Ratio Lower Upper
43 100
58 49.3 40.0 60.0
98 0.4 0.1 0.1

Manual Integrations
APPROVED

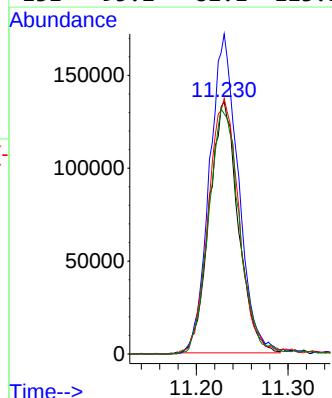
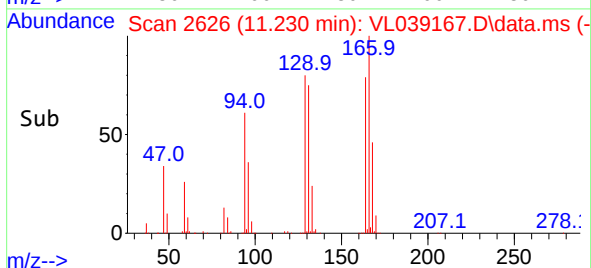
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

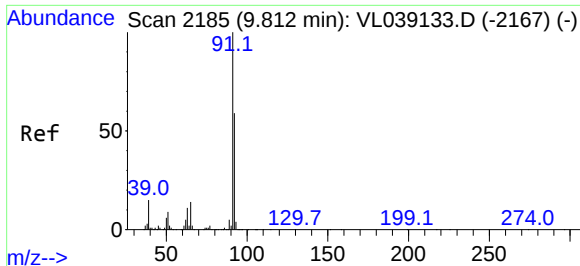


#52
Tetrachloroethene
Concen: 2.730 ppbv
RT: 11.230 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32



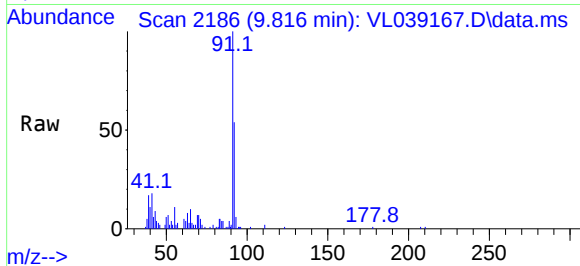
Tgt Ion:164 Resp: 297809
Ion Ratio Lower Upper
164 100
166 127.2 96.3 144.5
129 100.6 82.5 123.7
131 95.2 82.1 123.1





#53
Toluene
Concen: 0.154 ppbv m
RT: 9.816 min Scan# 2185
Delta R.T. 0.003 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32

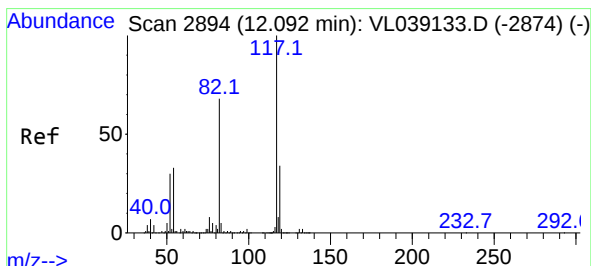
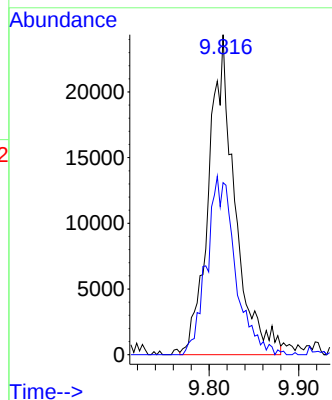
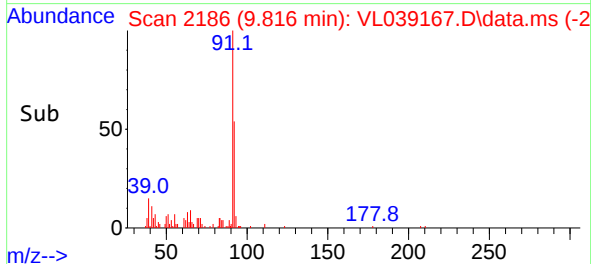
Instrument :
MSVOA_L
ClientSampleId :
SV3



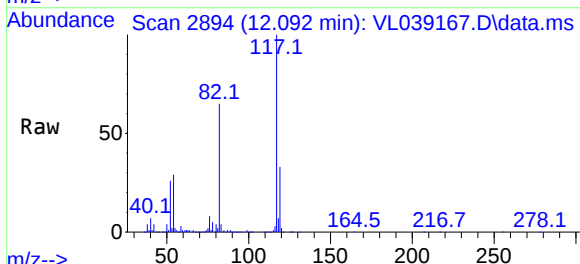
Tgt Ion: 91 Resp: 49570
Ion Ratio Lower Upper
91 100
92 0.0 48.1 72.1

Manual Integrations
APPROVED

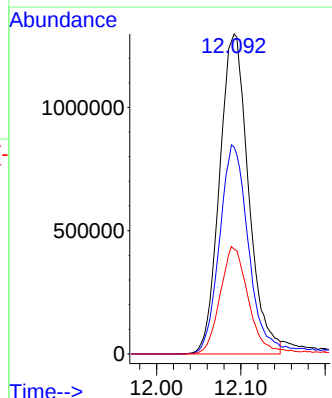
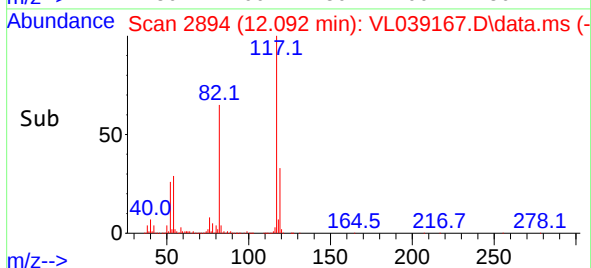
Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022

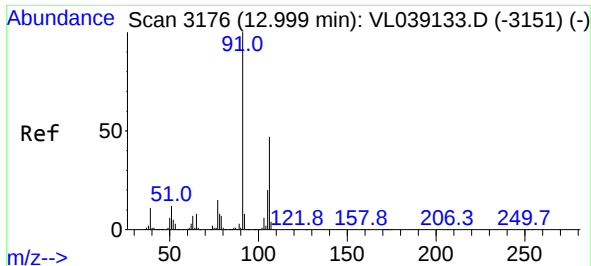


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.092 min Scan# 2894
Delta R.T. 0.000 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32



Tgt Ion:117 Resp: 3088942
Ion Ratio Lower Upper
117 100
82 68.7 55.1 82.7
119 33.7 24.7 37.1





#59

m/p-Xylene

Concen: 0.170 ppbv m

RT: 12.973 min Scan# 3176

Delta R.T. -0.026 min

Lab File: VL039167.D

Acq: 4 Jun 2022 00:32

Instrument :

MSVOA_L

ClientSampleId :

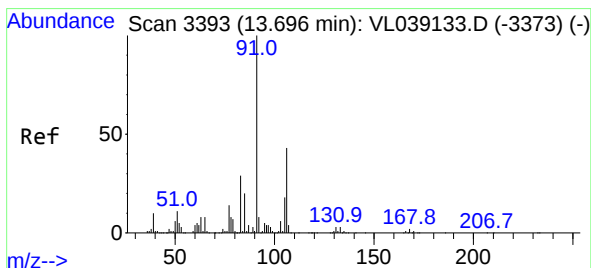
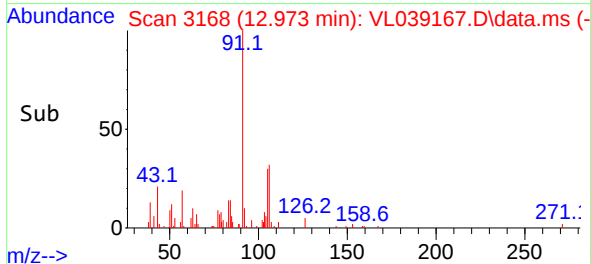
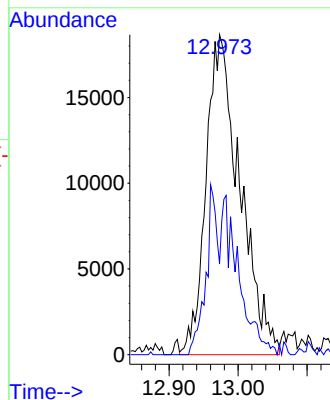
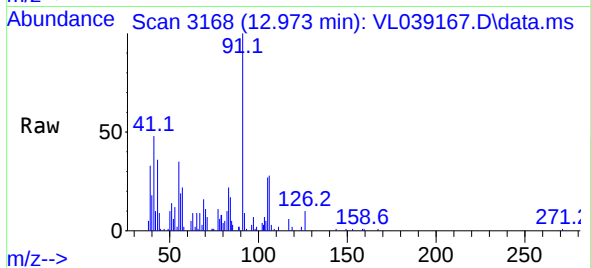
SV3

Tgt Ion: 91 Resp: 6361
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.3 51.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/05/2022
 Supervised By :Mahesh Dadoda 06/06/2022



#60

o-Xylene

Concen: 0.100 ppbv m

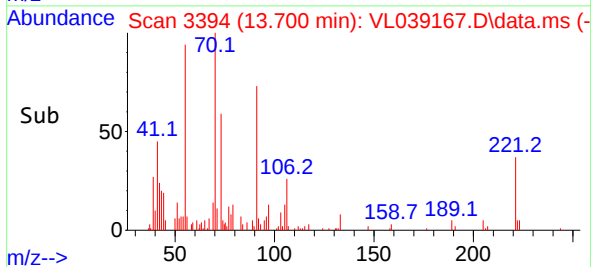
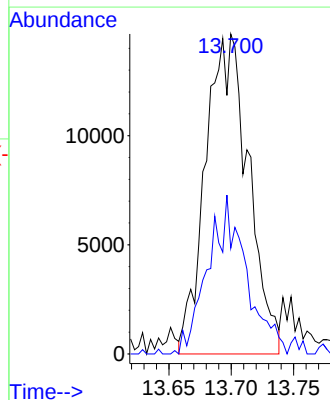
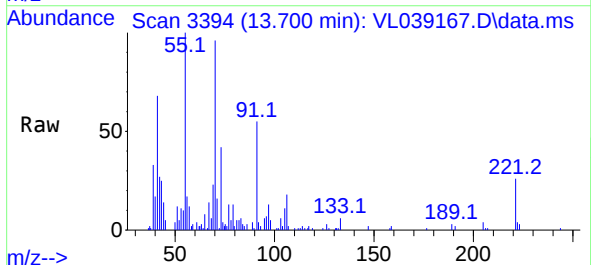
RT: 13.700 min Scan# 3394

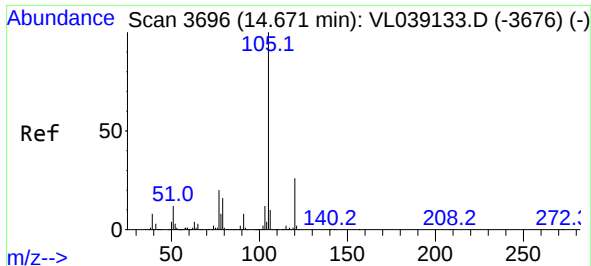
Delta R.T. 0.003 min

Lab File: VL039167.D

Acq: 4 Jun 2022 00:32

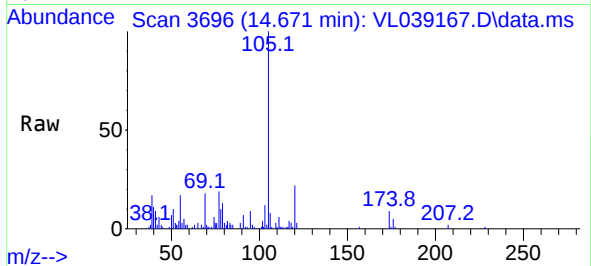
Tgt Ion: 91 Resp: 35173
 Ion Ratio Lower Upper
 91 100
 106 44.7 22.3 66.9





#62
Isopropylbenzene
Concen: 0.118 ppbv m
RT: 14.671 min Scan# 3696
Delta R.T. 0.000 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32

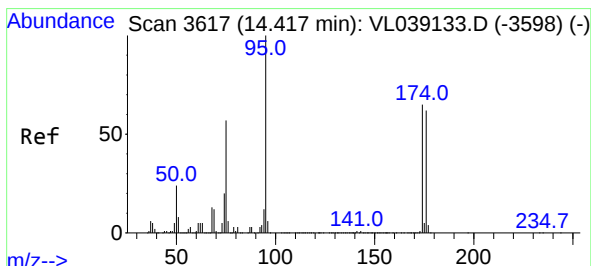
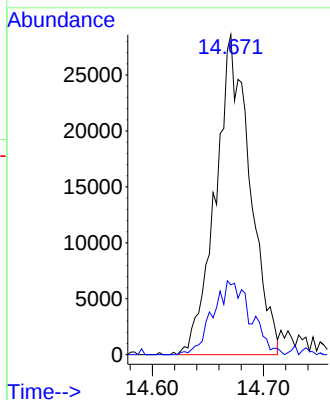
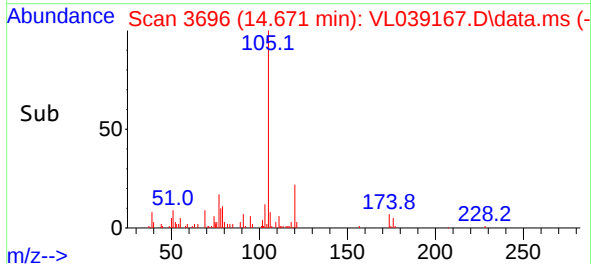
Instrument :
MSVOA_L
ClientSampleId :
SV3



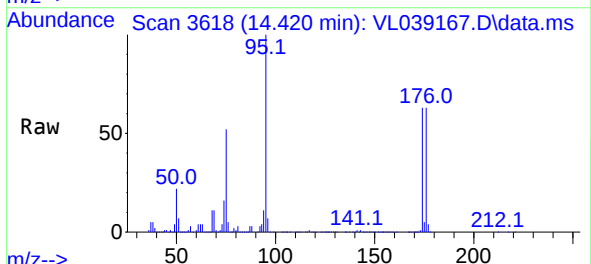
Tgt Ion: 105 Resp: 61698
Ion Ratio Lower Upper
105 100
120 25.7 20.3 30.5

Manual Integrations
APPROVED

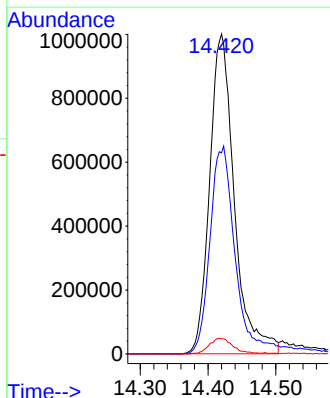
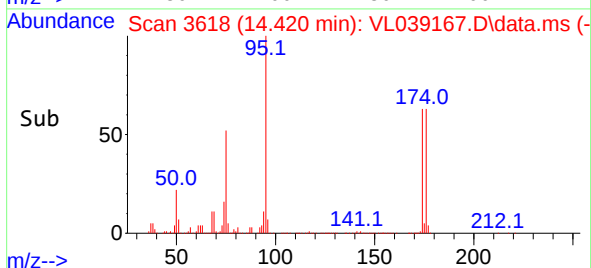
Reviewed By : Semsettin Yesilyurt 06/05/2022
Supervised By : Mahesh Dadoda 06/06/2022

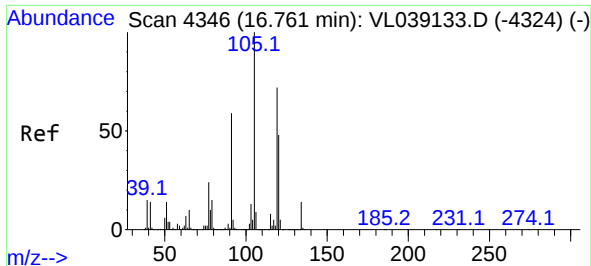


#68
1-Bromo-4-Fluorobenzene
Concen: 9.918 ppbv
RT: 14.420 min Scan# 3618
Delta R.T. 0.003 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32



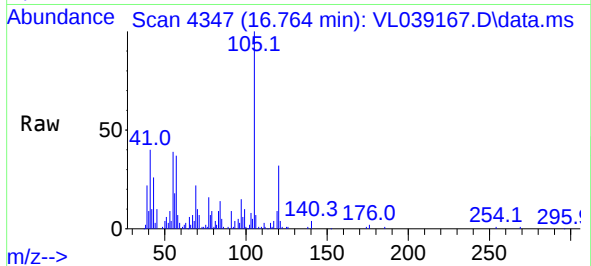
Tgt Ion: 95 Resp: 2532867
Ion Ratio Lower Upper
95 100
174 69.2 53.8 80.8
175 5.0 4.1 6.1





#74
1,2,4-Trimethylbenzene
Concen: 0.229 ppbv m
RT: 16.764 min Scan# 4346
Delta R.T. 0.003 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32

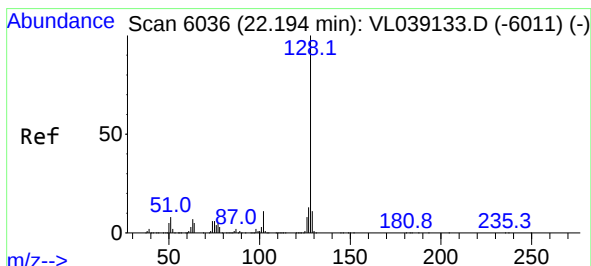
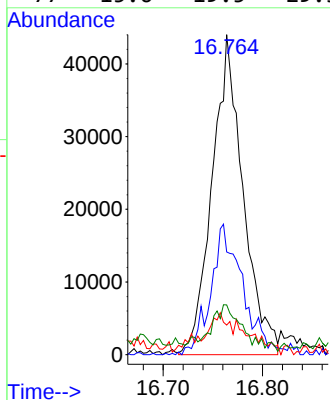
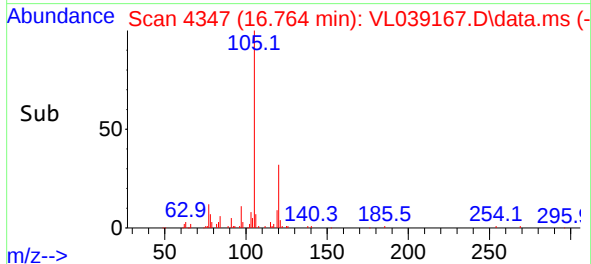
Instrument :
MSVOA_L
ClientSampleId :
SV3



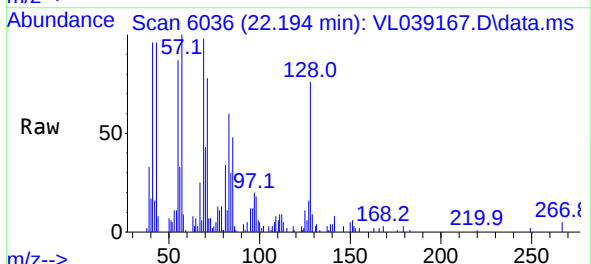
Tgt Ion:105 Resp: 95218
Ion Ratio Lower Upper
105 100
120 32.1 38.1 57.1
91 9.3 47.4 71.0
77 15.6 19.5 29.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2022
Supervised By :Mahesh Dadoda 06/06/2022



#79
Naphthalene
Concen: 0.123 ppbv m
RT: 22.194 min Scan# 6036
Delta R.T. 0.000 min
Lab File: VL039167.D
Acq: 4 Jun 2022 00:32



Tgt Ion:128 Resp: 39198
Ion Ratio Lower Upper
128 100
127 21.4 10.4 15.6
129 11.7 9.0 13.6

