

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
 Data File : VL038467.D
 Acq On : 2 Mar 2022 1:37
 Operator : SY/AP
 Sample : N1723-02 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FSG3

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/02/2022
 Supervised By : Mahesh Dadoda 03/02/2022

Quant Time: Mar 02 03:10:48 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.674	49	939954	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.179	114	2173423	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.085	117	2047163	10.000	ppbv	# 0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.417	95	1674293	9.885	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.057	85	19457	0.131	ppbv	92
4) Chloromethane	3.150	50	18744	0.325	ppbv	95
9) Propene	3.025	41	567416	10.354	ppbv	91
10) Heptane	8.127	43	149767	1.123	ppbv	97
11) Trichlorofluoromethane	3.957	101	14307m	0.100	ppbv	
13) Ethanol	3.613	45	187673	34.315	ppbv	91
15) Acetone	3.848	43	9447058	118.186	ppbv	96
17) tert-Butyl alcohol	4.304	59	103080	1.293	ppbv #	72
20) Methylene Chloride	4.353	84	79156	1.999	ppbv	98
26) Hexane	5.693	57	266609	2.741	ppbv #	42
27) Carbon Disulfide	4.562	76	105203	0.973	ppbv #	94
30) Cyclohexane	7.134	84	104224	1.310	ppbv #	73
34) 2-Butanone	5.243	43	555815	8.131	ppbv	98
36) Benzene	6.893	78	380172	1.987	ppbv	93
44) 2,2,4-Trimethylpentane	7.873	57	293744	0.893	ppbv #	69
50) 4-Methyl-2-Pentanone	8.754	43	44529m	0.368	ppbv	
52) Tetrachloroethene	11.230	164	3371m	0.053	ppbv	
53) Toluene	9.809	91	1244967	5.993	ppbv	99
58) Ethyl Benzene	12.712	91	180874	0.646	ppbv	94
59) m/p-Xylene	12.970	91	372746	1.550	ppbv	93
60) o-Xylene	13.693	91	114859	0.505	ppbv	99
61) Styrene	13.536	104	44297m	0.423	ppbv	
62) Isopropylbenzene	14.667	105	3424952	11.228	ppbv	98
74) 1,2,4-Trimethylbenzene	16.761	105	36956	0.154	ppbv #	68

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

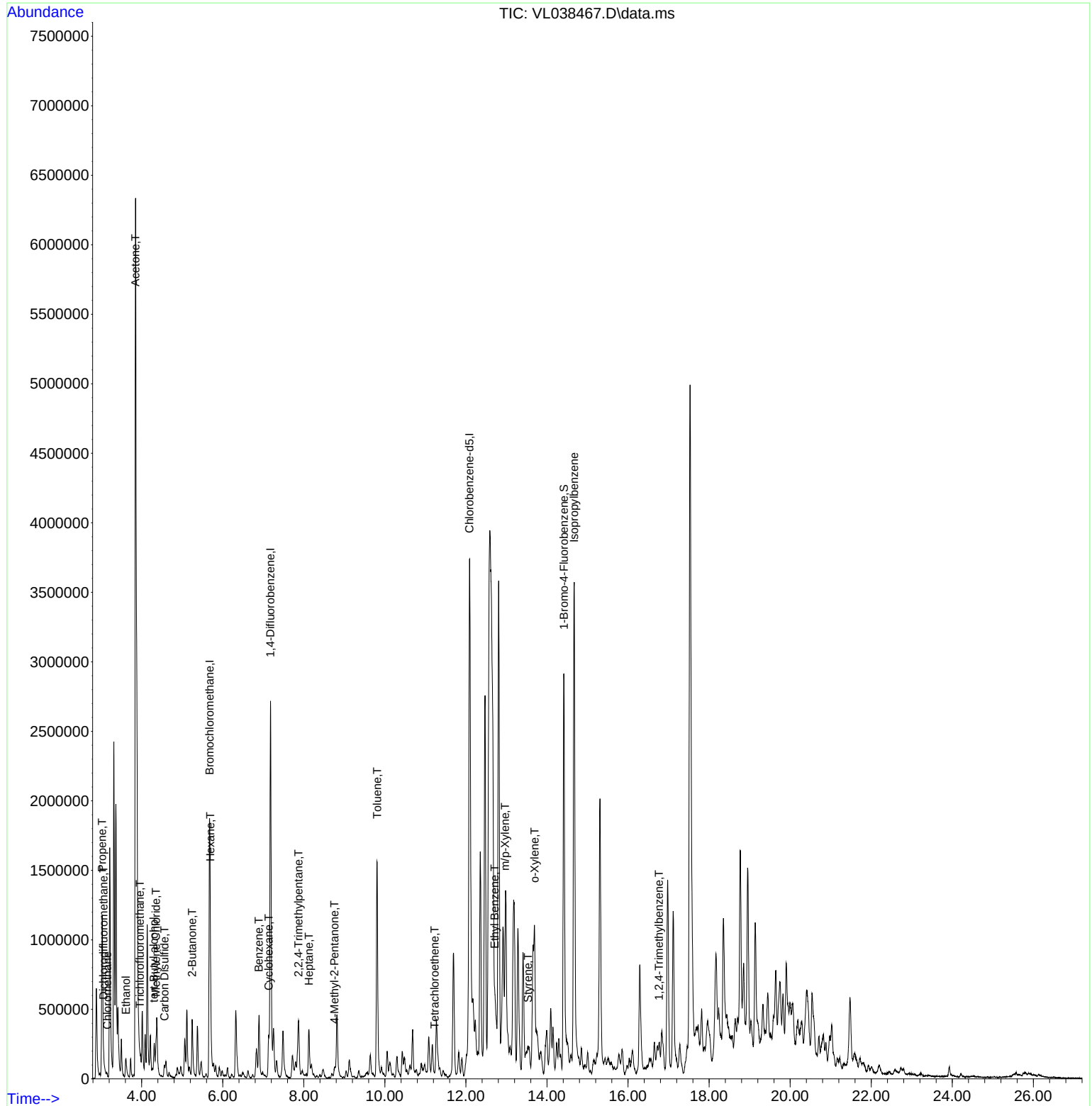
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
Data File : VL038467.D
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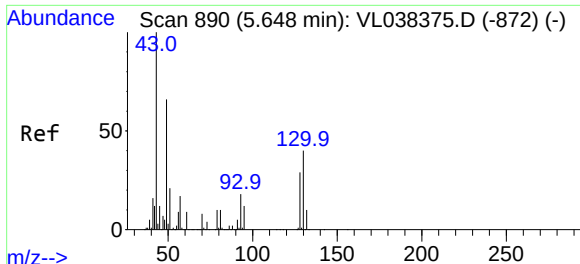
Instrument :
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Quant Time: Mar 02 03:10:48 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb
QLast Update : Tue Feb 22 19:45:51 2022
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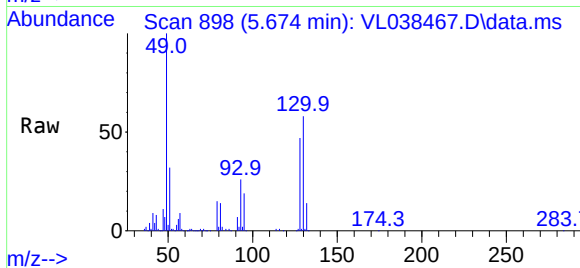
Reviewed By : Semsettin Yesilyurt 03/02/2022
Supervised By : Mahesh Dadoda 03/02/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 89
Delta R.T. 0.026 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

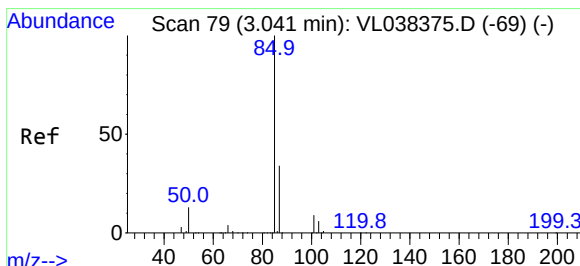
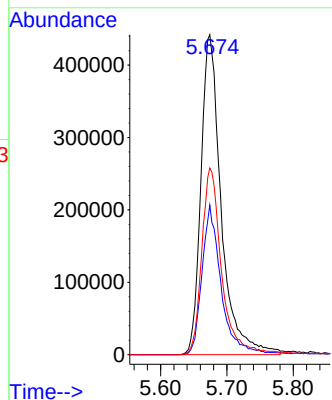
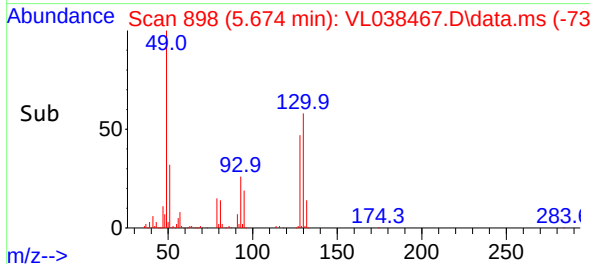
Instrument :
MSVOA_L
ClientSampleId :
FSG3



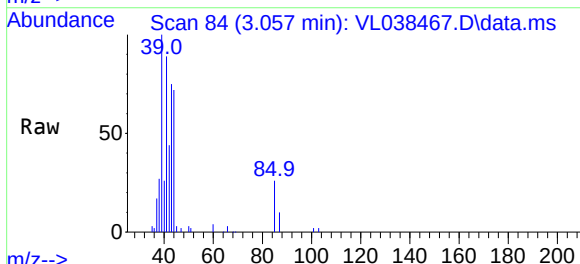
Tgt Ion: 49 Resp: 939954
Ion Ratio Lower Upper
49 100
128 44.6 24.3 72.9
130 58.2 30.1 90.5

Manual Integrations
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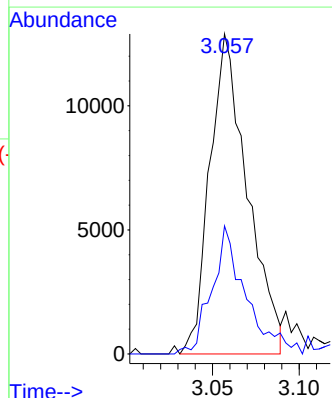
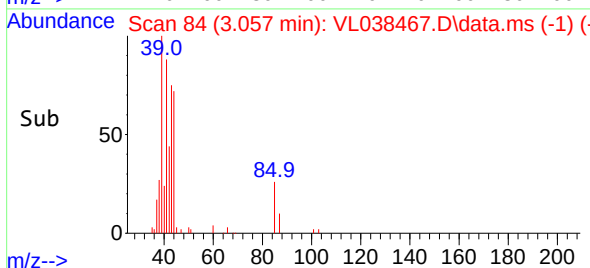
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

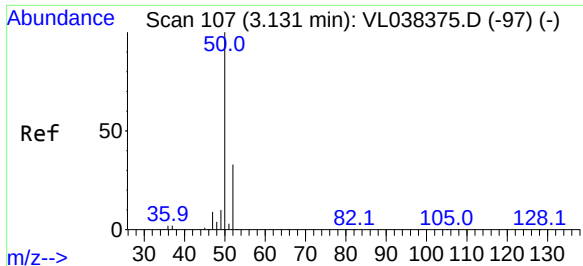


#2
Dichlorodifluoromethane
Concen: 0.131 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.016 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37



Tgt Ion: 85 Resp: 19457
Ion Ratio Lower Upper
85 100
87 38.6 27.4 41.0





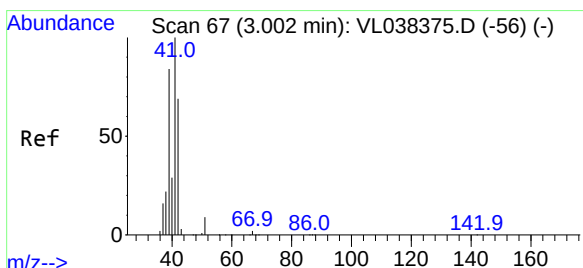
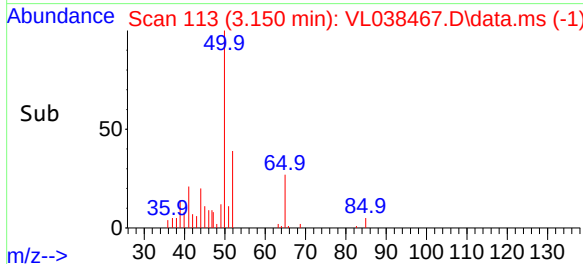
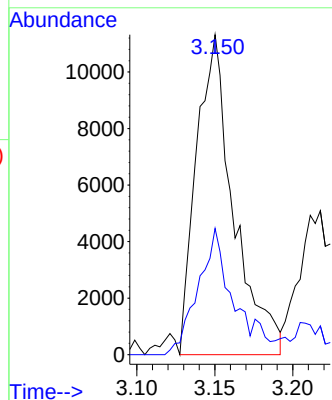
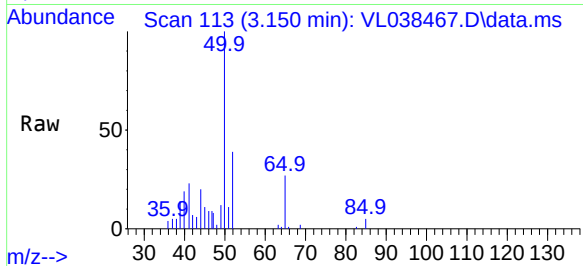
#4
Chloromethane
Concen: 0.325 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.019 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

Instrument :
MSVOA_L
ClientSampleId :
FSG3

Tgt Ion: 50 Resp: 18744
Ion Ratio Lower Upper
50 100
52 35.8 26.5 39.7

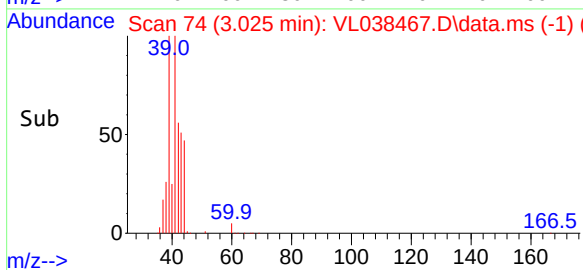
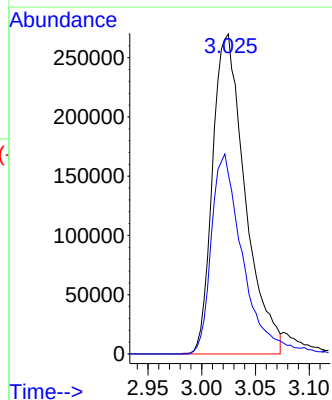
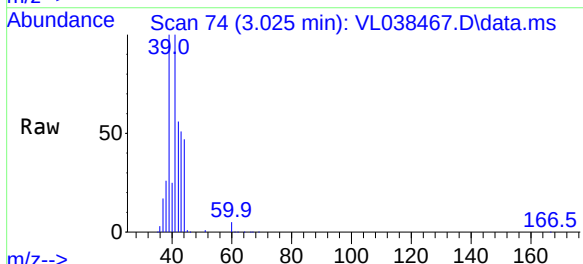
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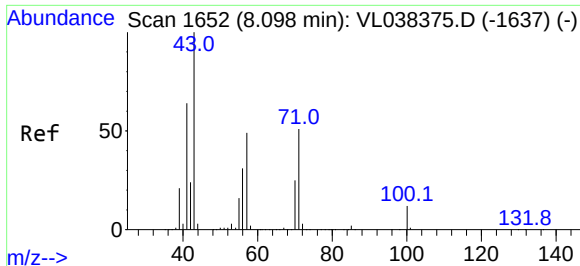
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#9
Propene
Concen: 10.354 ppbv
RT: 3.025 min Scan# 74
Delta R.T. 0.023 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

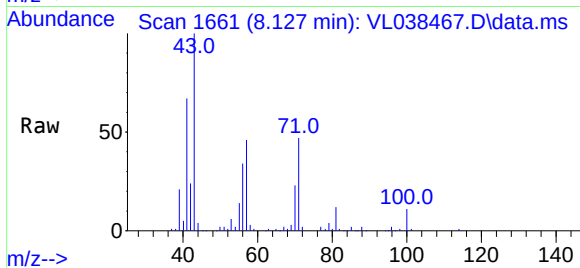
Tgt Ion: 41 Resp: 567416
Ion Ratio Lower Upper
41 100
42 61.3 54.6 82.0





#10
Heptane
Concen: 1.123 ppbv
RT: 8.127 min Scan# 11
Delta R.T. 0.029 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

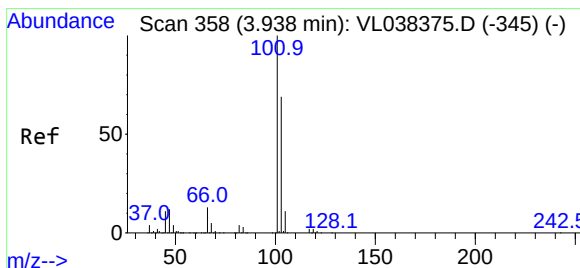
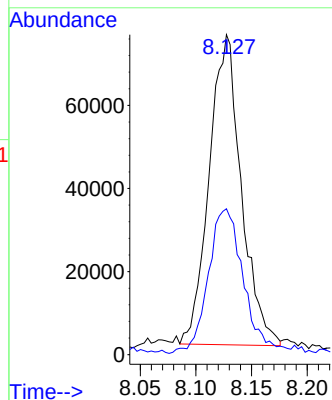
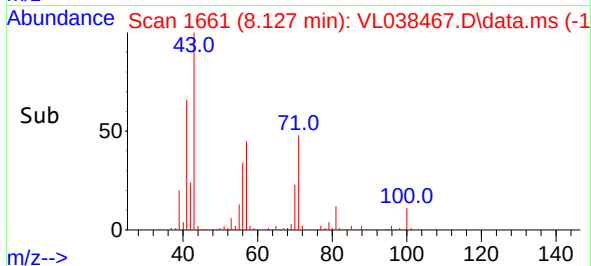
Instrument :
MSVOA_L
ClientSampleId :
FSG3



Tgt Ion: 43 Resp: 14976
Ion Ratio Lower Upper
43 100
57 52.1 39.8 59.8

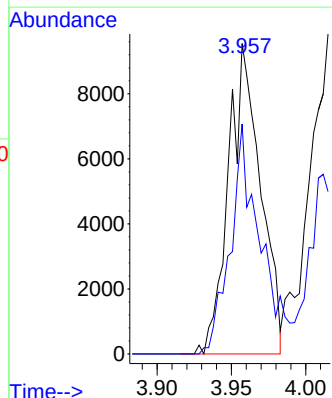
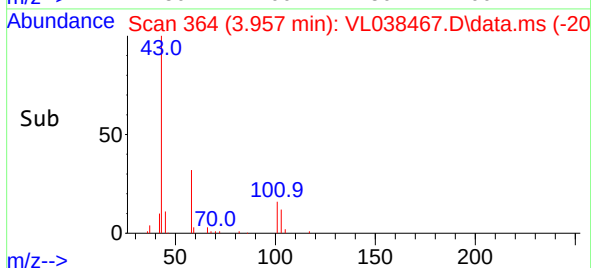
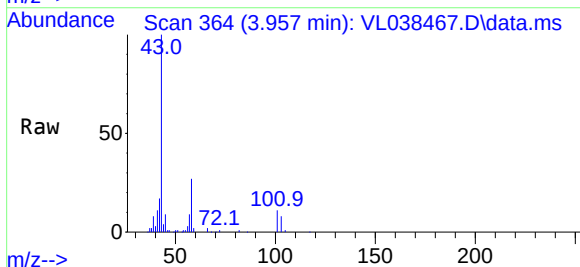
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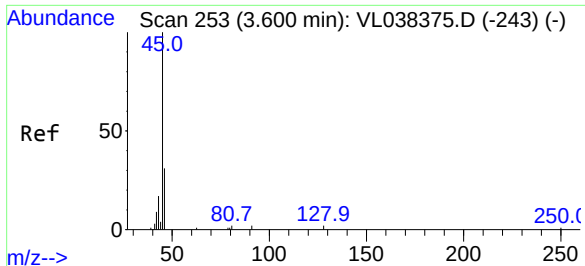
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#11
Trichlorofluoromethane
Concen: 0.100 ppbv m
RT: 3.957 min Scan# 364
Delta R.T. 0.019 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

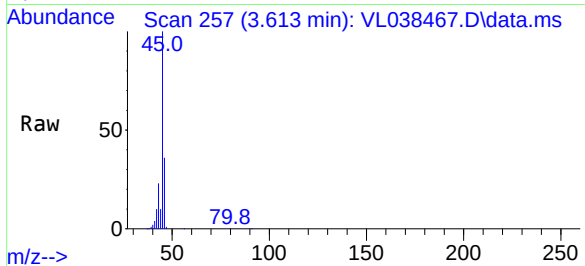
Tgt Ion:101 Resp: 14307
Ion Ratio Lower Upper
101 100
103 74.0 55.0 82.4





#13
Ethanol
Concen: 34.315 ppbv
RT: 3.613 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

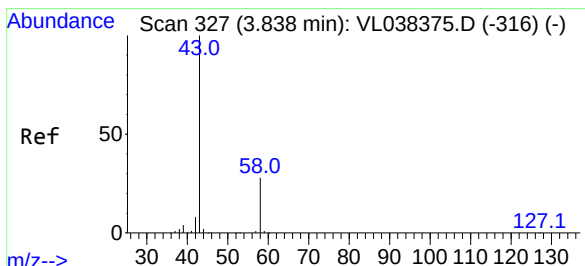
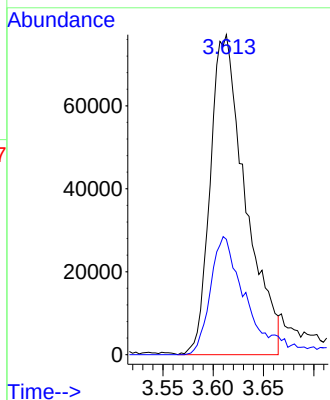
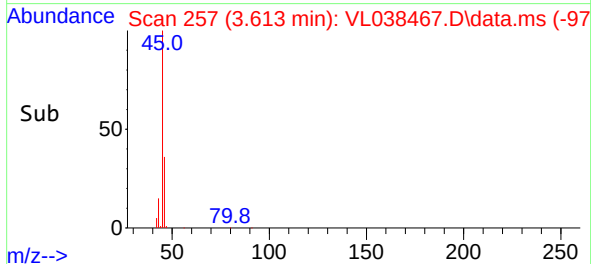
Instrument :
MSVOA_L
ClientSampleId :
FSG3



Tgt Ion: 45 Resp: 18767
Ion Ratio Lower Upper
45 100
46 39.8 18.2 72.8

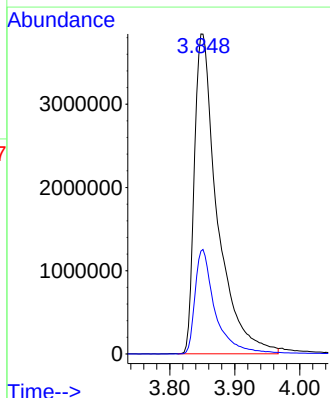
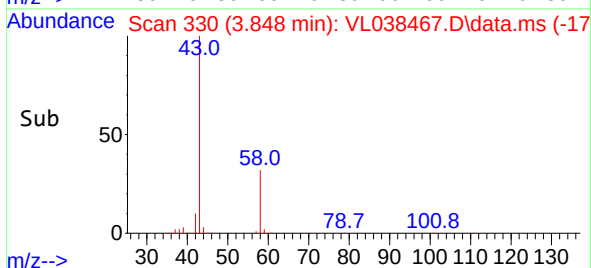
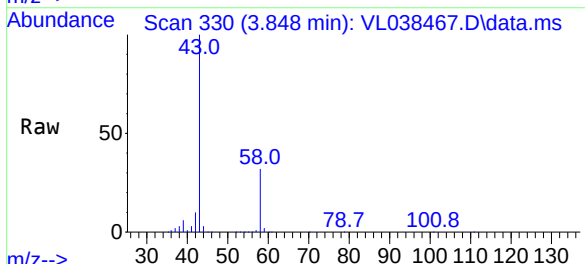
Manual Integrations
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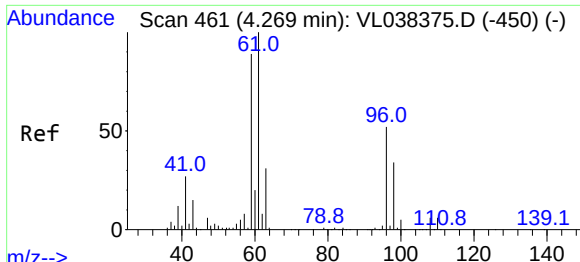
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#15
Acetone
Concen: 118.186 ppbv
RT: 3.848 min Scan# 330
Delta R.T. 0.010 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

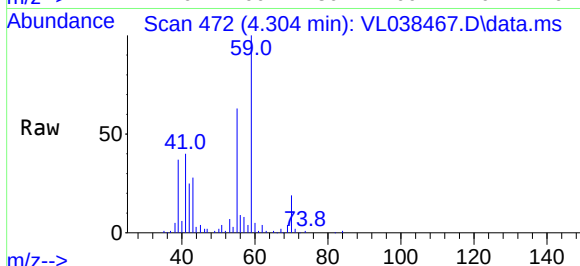
Tgt Ion: 43 Resp: 9447058
Ion Ratio Lower Upper
43 100
58 29.2 21.7 32.5





#17
tert-Butyl alcohol
Concen: 1.293 ppbv
RT: 4.304 min Scan# 41
Delta R.T. 0.035 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

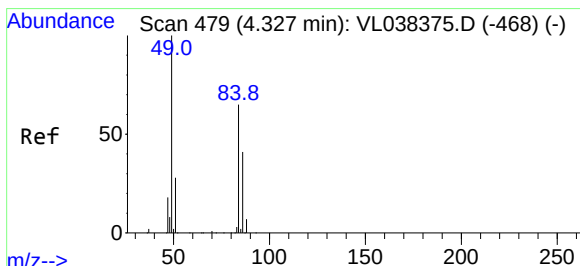
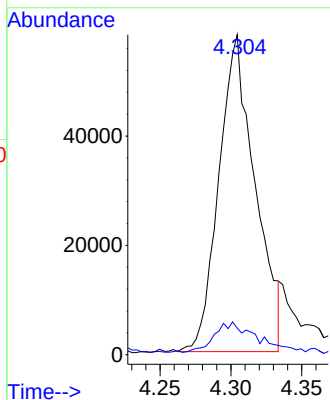
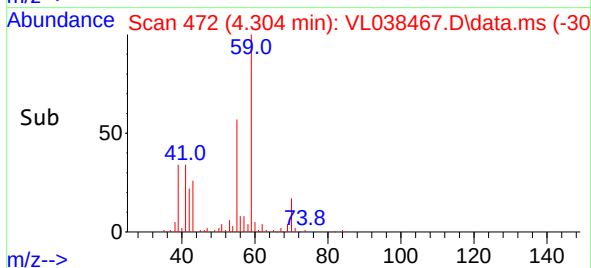
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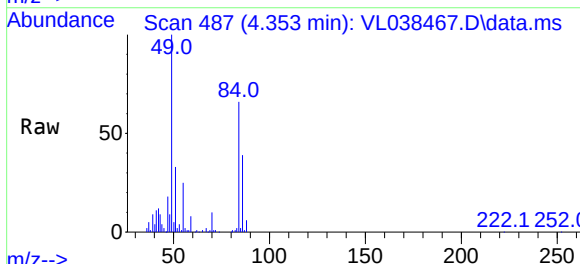
Tgt Ion: 59 Resp: 103080
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6

Manual Integrations
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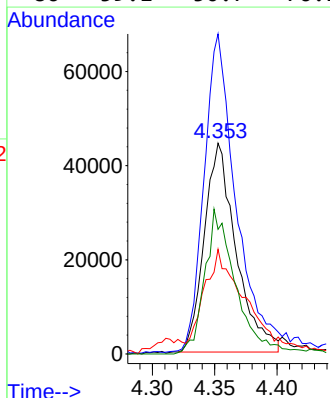
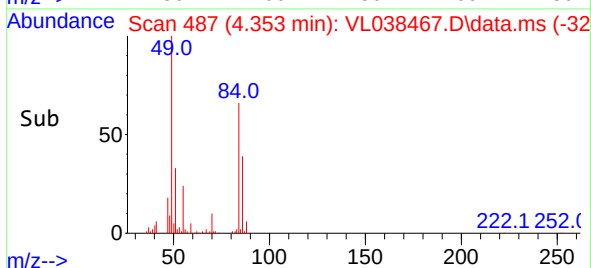
Reviewed By :Semsettin Yesilyurt 03/02/2022
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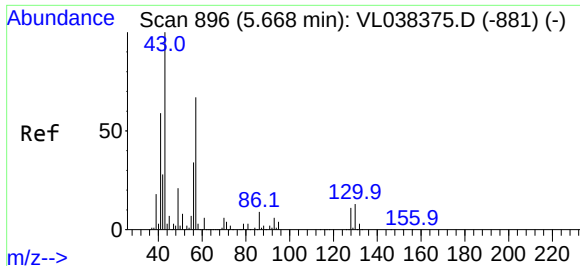


#20
Methylene Chloride
Concen: 1.999 ppbv
RT: 4.353 min Scan# 487
Delta R.T. 0.026 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37



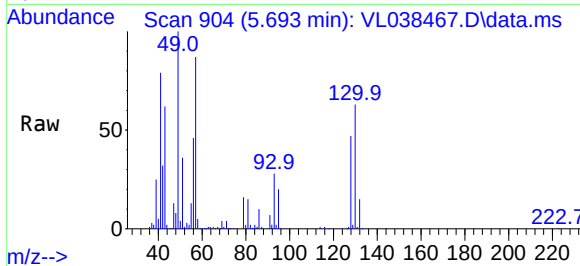
Tgt Ion: 84 Resp: 79156
Ion Ratio Lower Upper
84 100
49 151.7 122.4 183.6
51 43.2 33.3 49.9
86 59.1 50.7 76.1





#26
Hexane
Concen: 2.741 ppbv
RT: 5.693 min Scan# 904
Delta R.T. 0.026 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

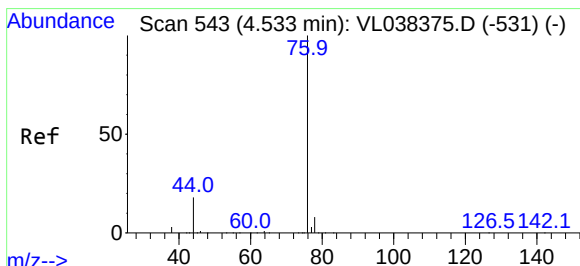
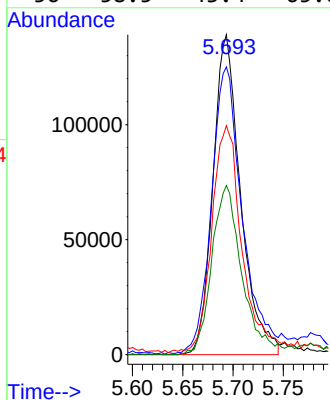
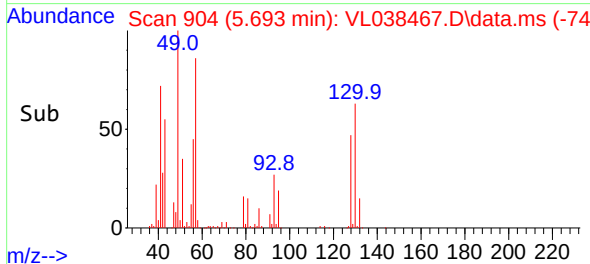
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FSG3



Tgt Ion: 57 Resp: 266609
Ion Ratio Lower Upper
57 100
41 101.7 73.1 109.7
43 80.8 181.0 271.4
56 58.5 43.4 65.0

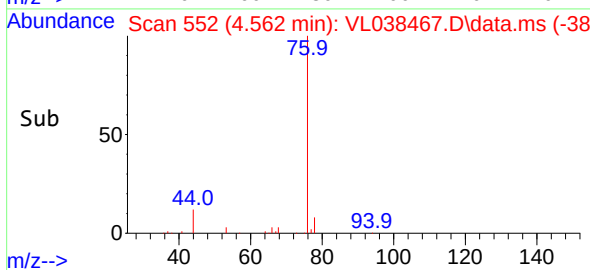
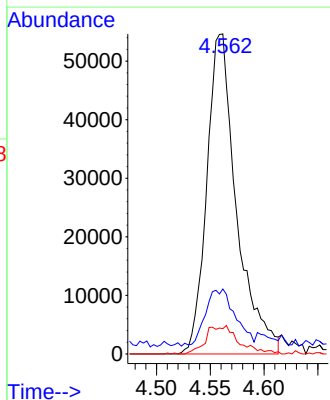
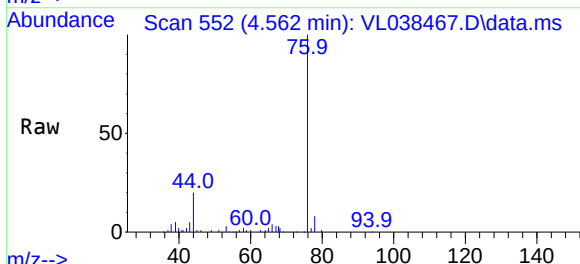
Manual Integrations
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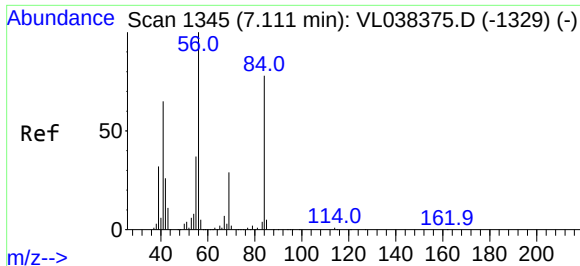
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#27
Carbon Disulfide
Concen: 0.973 ppbv
RT: 4.562 min Scan# 552
Delta R.T. 0.029 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

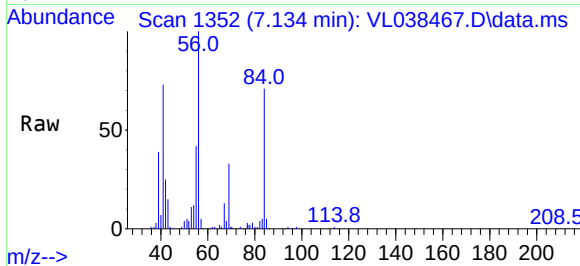
Tgt Ion: 76 Resp: 105203
Ion Ratio Lower Upper
76 100
44 21.8 14.2 21.2
78 9.7 7.8 11.6





#30
Cyclohexane
Concen: 1.310 ppbv
RT: 7.134 min Scan# 1352
Delta R.T. 0.023 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

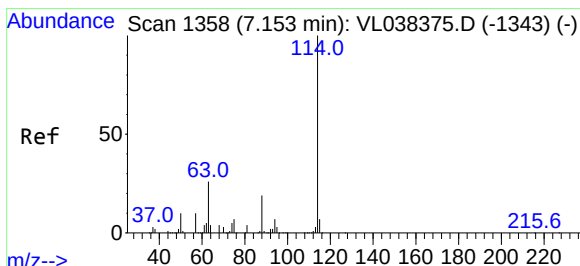
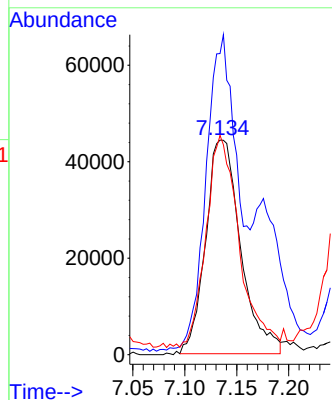
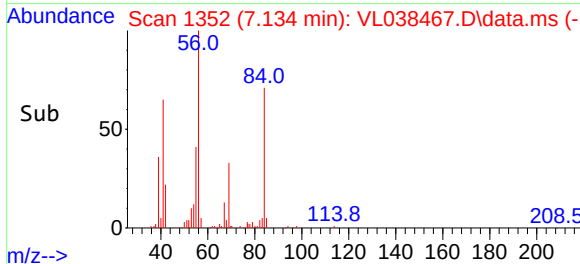
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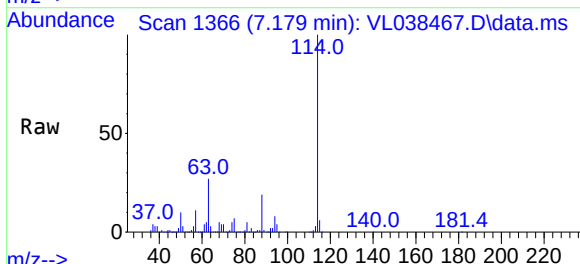
Tgt Ion: 84 Resp: 104224
Ion Ratio Lower Upper
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56 195.3 116.2 174.4
41 99.0 74.3 111.5

Manual Integrations
APPROVED

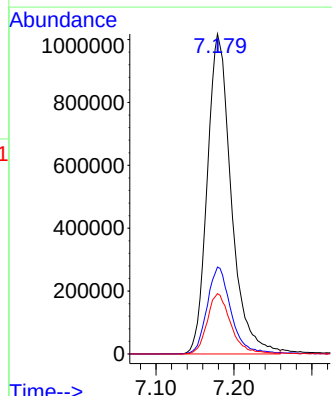
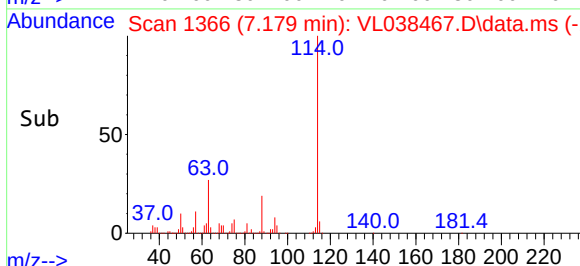
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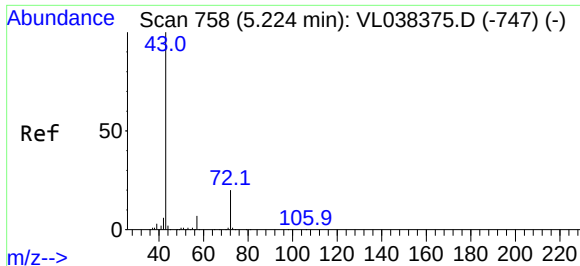


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. 0.026 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37



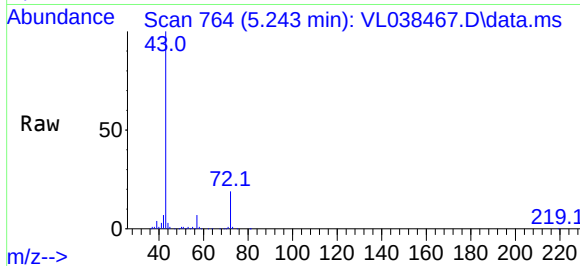
Tgt Ion:114 Resp: 2173423
Ion Ratio Lower Upper
114 100
63 27.5 22.2 33.2
88 18.8 15.2 22.8





#34
2-Butanone
Concen: 8.131 ppbv
RT: 5.243 min Scan# 70
Delta R.T. 0.019 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

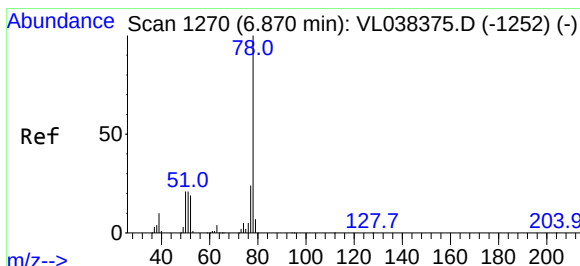
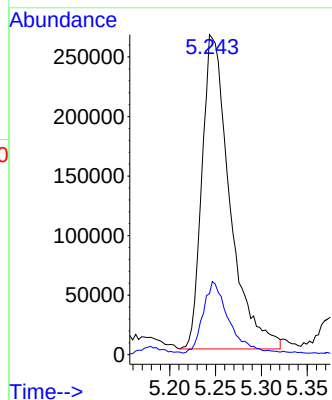
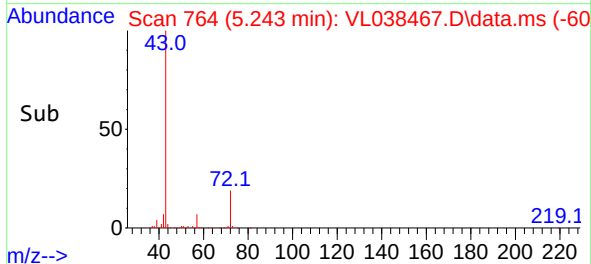
Instrument :
MSVOA_L
ClientSampleId :
FSG3



Tgt Ion: 43 Resp: 55581
Ion Ratio Lower Upper
43 100
72 22.6 17.4 26.2

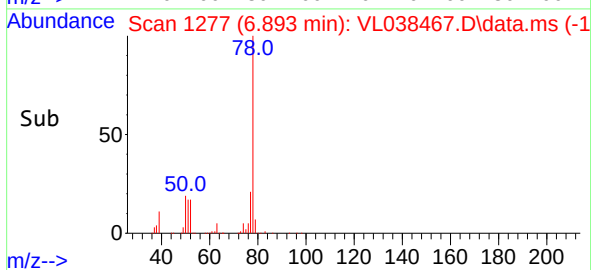
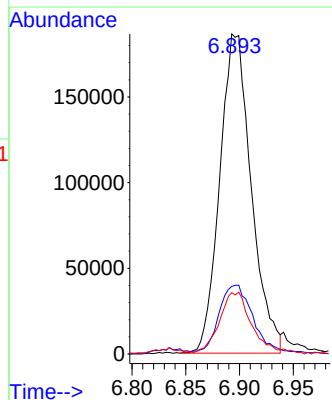
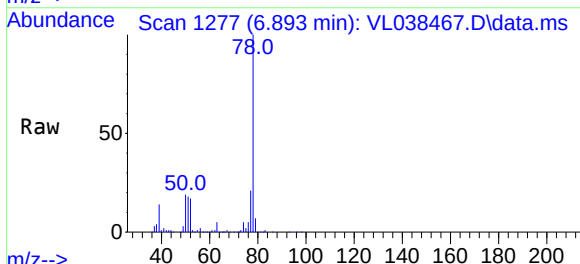
Manual Integrations
APPROVED

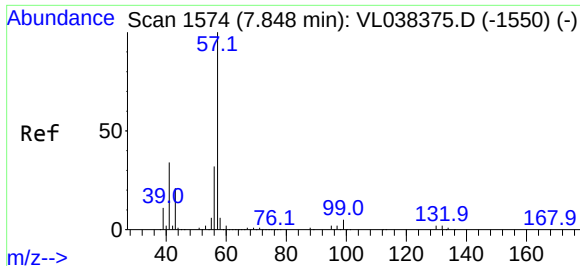
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#36
Benzene
Concen: 1.987 ppbv
RT: 6.893 min Scan# 1277
Delta R.T. 0.023 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

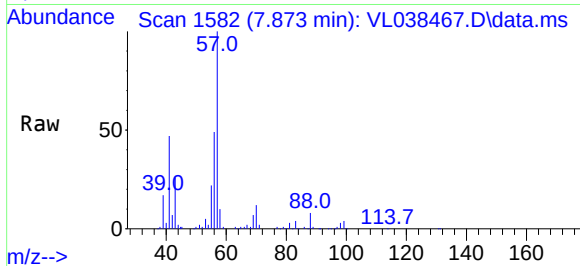
Tgt Ion: 78 Resp: 380172
Ion Ratio Lower Upper
78 100
77 19.7 19.0 28.6
50 18.0 16.6 24.8





#44
2,2,4-Trimethylpentane
Concen: 0.893 ppbv
RT: 7.873 min Scan# 11
Delta R.T. 0.026 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

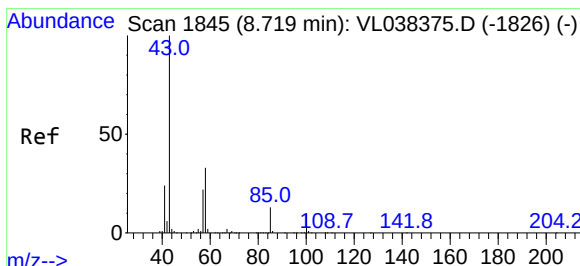
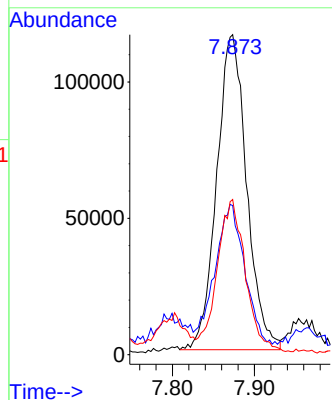
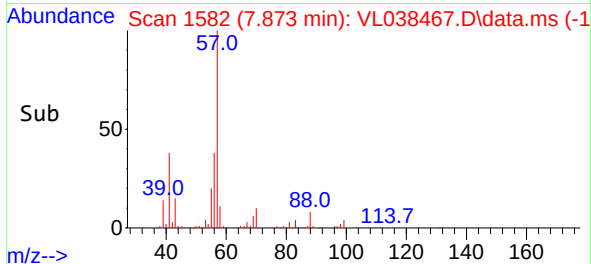
Instrument :
MSVOA_L
ClientSampleId :
FSG3



Tgt Ion: 57 Resp: 293744
Ion Ratio Lower Upper
57 100
41 49.4 26.6 39.8
56 49.6 25.0 37.6

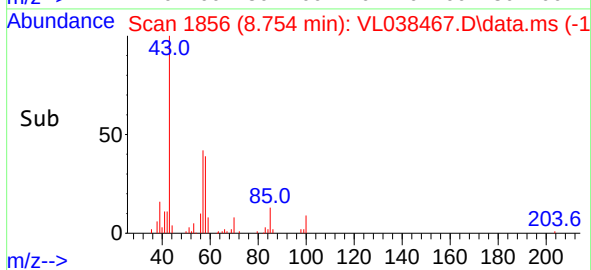
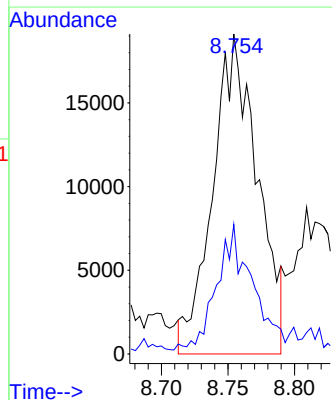
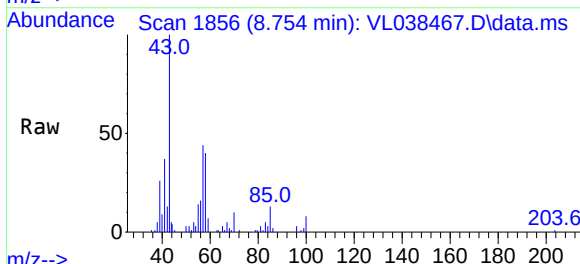
Manual Integrations
APPROVED

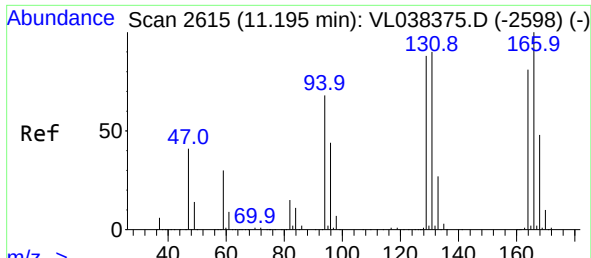
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#50
4-Methyl-2-Pentanone
Concen: 0.368 ppbv m
RT: 8.754 min Scan# 1856
Delta R.T. 0.035 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

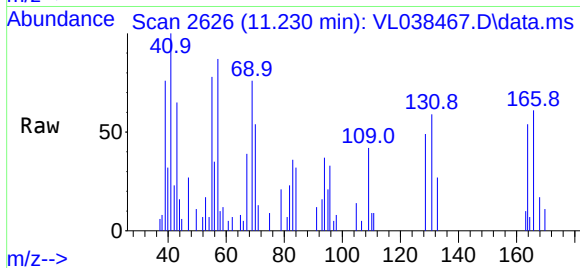
Tgt Ion: 43 Resp: 44529
Ion Ratio Lower Upper
43 100
58 0.0 27.7 41.5





#52
Tetrachloroethene
Concen: 0.053 ppbv m
RT: 11.230 min Scan# 2184
Delta R.T. 0.035 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

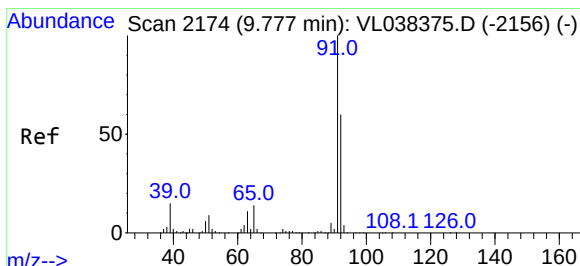
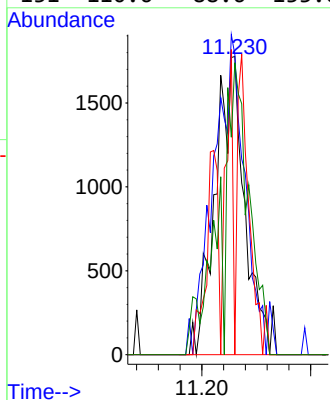
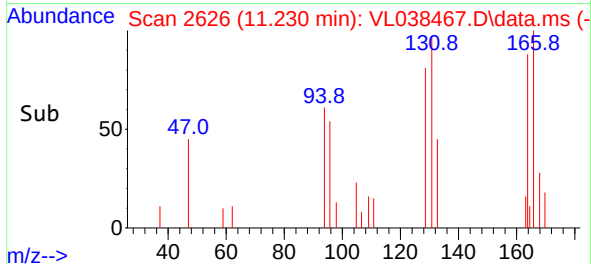
Instrument :
MSVOA_L
ClientSampleId :
FSG3



Tgt Ion:164 Resp: 337
Ion Ratio Lower Upper
164 100
166 113.7 98.6 148.0
129 0.0 86.9 130.3
131 110.6 88.6 133.0

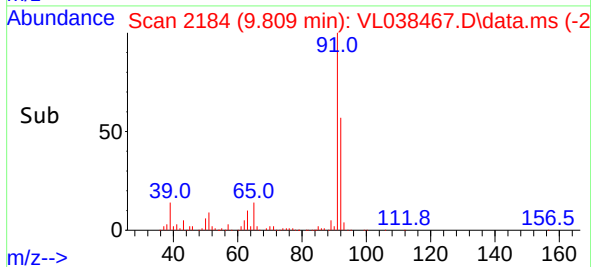
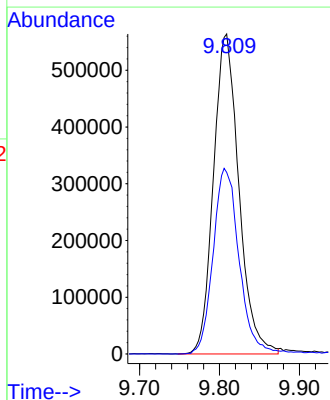
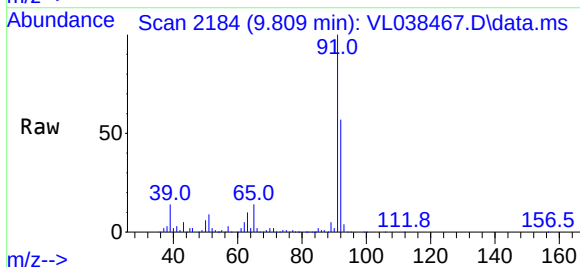
Manual Integrations
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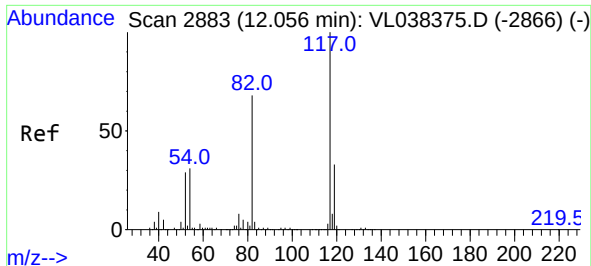
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#53
Toluene
Concen: 5.993 ppbv
RT: 9.809 min Scan# 2184
Delta R.T. 0.032 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

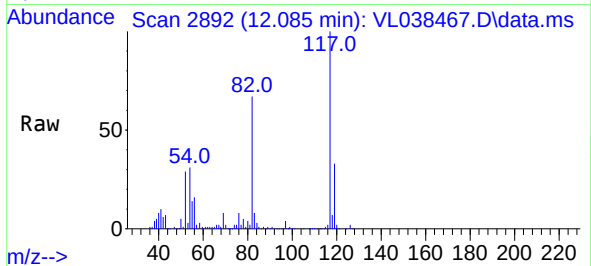
Tgt Ion: 91 Resp: 1244967
Ion Ratio Lower Upper
91 100
92 59.8 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.085 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

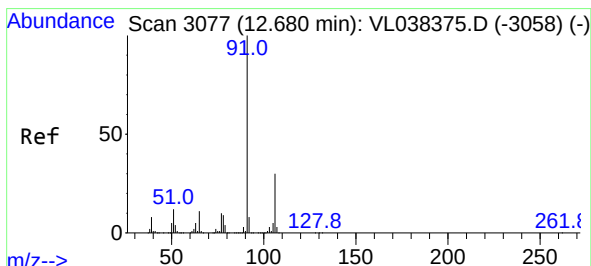
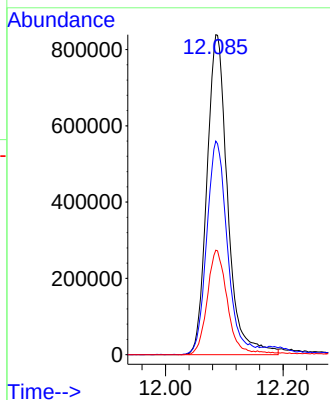
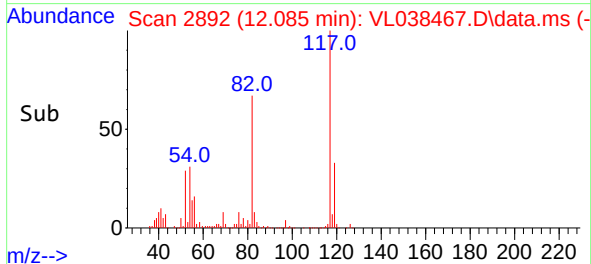
Instrument :
MSVOA_L
ClientSampleId :
FSG3



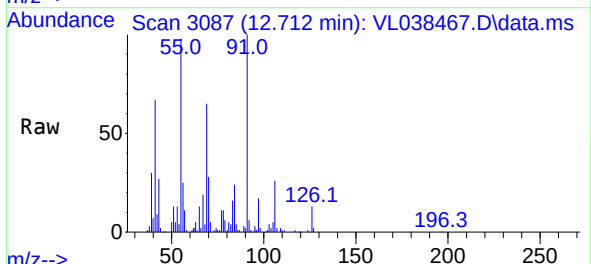
Tgt Ion: 117 Resp: 204716
Ion Ratio Lower Upper
117 100
82 67.3 54.9 82.3
119 32.7 46.1 69.1

Manual Integrations
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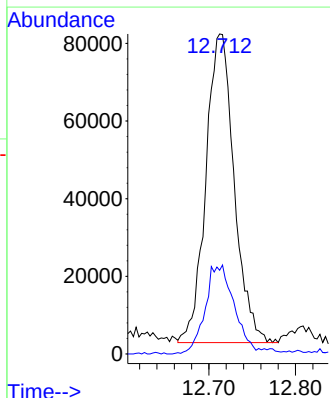
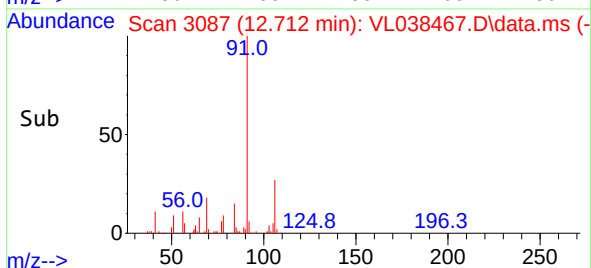
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

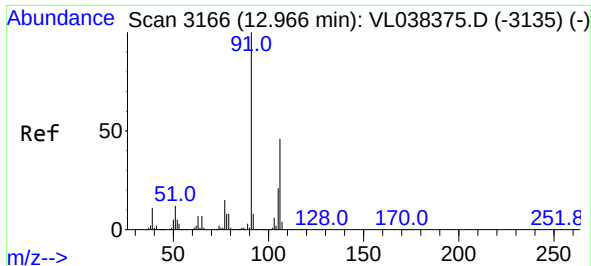


#58
Ethyl Benzene
Concen: 0.646 ppbv
RT: 12.712 min Scan# 3087
Delta R.T. 0.032 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37



Tgt Ion: 91 Resp: 180874
Ion Ratio Lower Upper
91 100
106 26.7 24.0 36.0





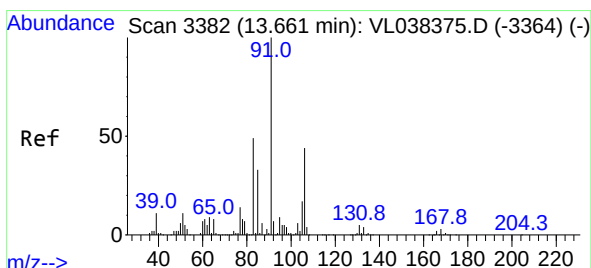
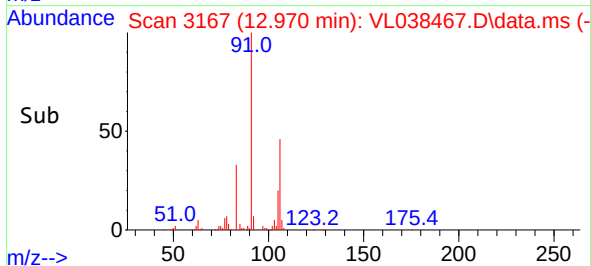
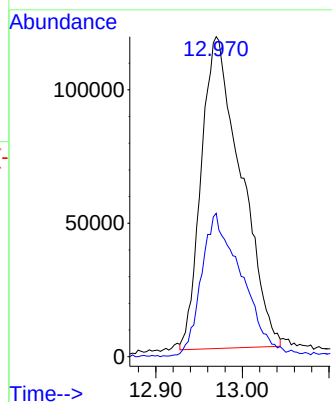
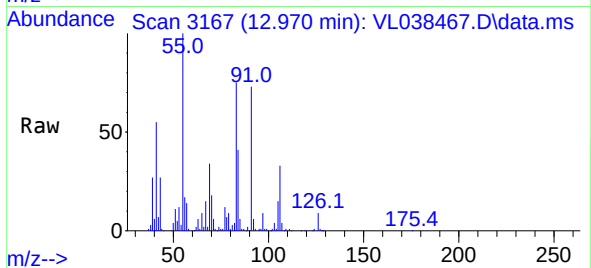
#59
m/p-Xylene
Concen: 1.550 ppbv
RT: 12.970 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

Instrument :
MSVOA_L
ClientSampleId :
FSG3

Tgt Ion: 91 Resp: 372740
Ion Ratio Lower Upper
91 100
106 47.6 34.4 51.6

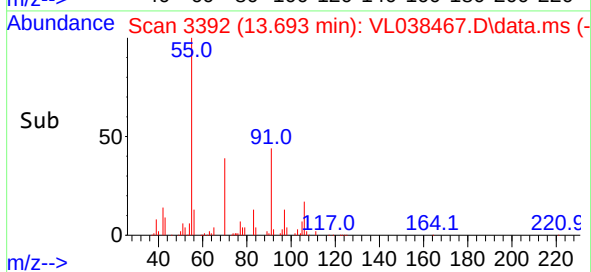
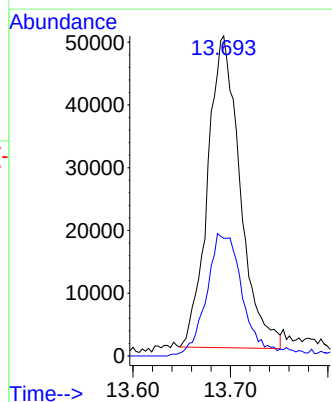
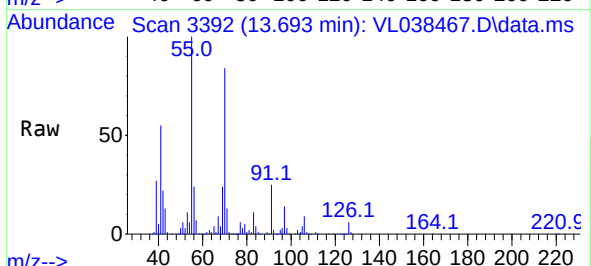
Manual Integrations
APPROVED

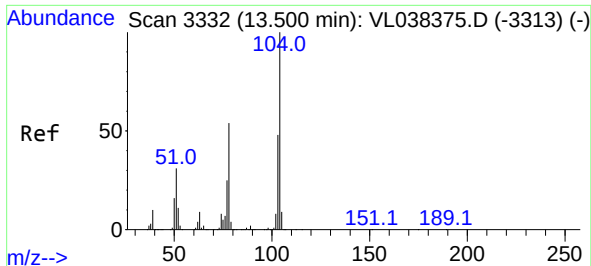
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#60
o-Xylene
Concen: 0.505 ppbv
RT: 13.693 min Scan# 3392
Delta R.T. 0.032 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

Tgt Ion: 91 Resp: 114859
Ion Ratio Lower Upper
91 100
106 44.6 21.9 65.5





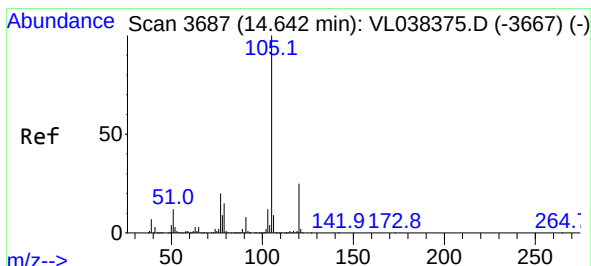
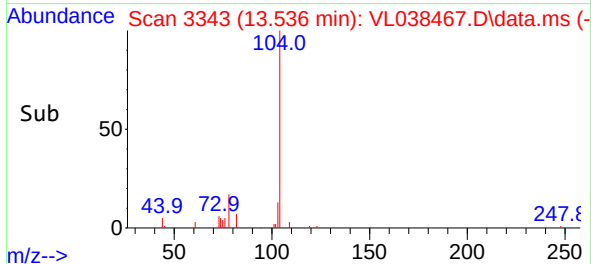
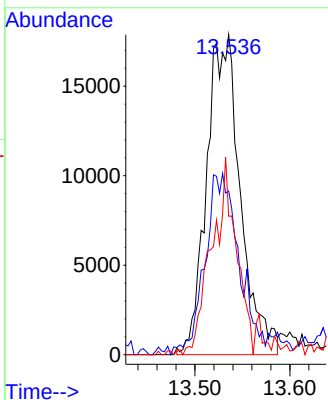
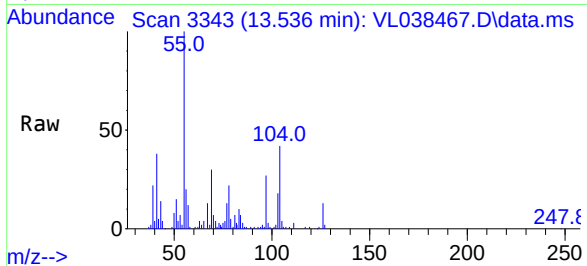
#61
Styrene
Concen: 0.423 ppbv m
RT: 13.536 min Scan# 31
Delta R.T. 0.035 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

Instrument :
MSVOA_L
ClientSampleId :
FSG3

Tgt Ion:104 Resp: 4429
Ion Ratio Lower Upper
104 100
78 61.1 44.2 66.4
103 49.1 38.4 57.6

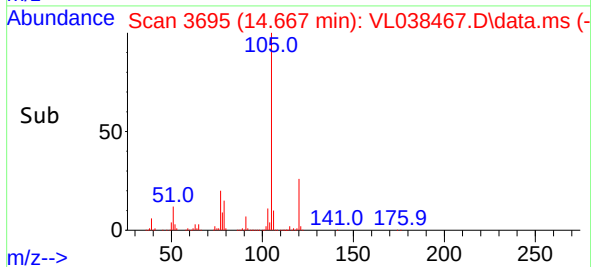
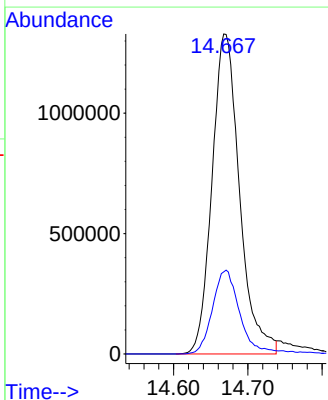
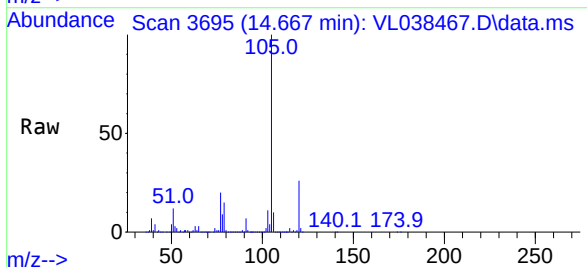
Manual Integrations
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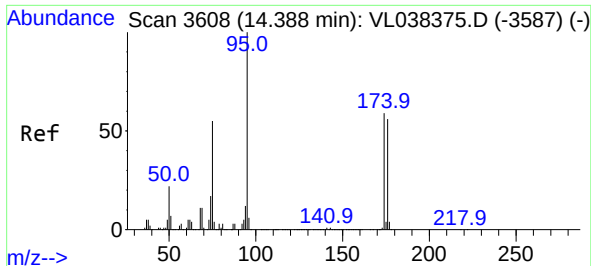
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#62
Isopropylbenzene
Concen: 11.228 ppbv
RT: 14.667 min Scan# 3695
Delta R.T. 0.026 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

Tgt Ion:105 Resp: 3424952
Ion Ratio Lower Upper
105 100
120 26.5 20.6 30.8





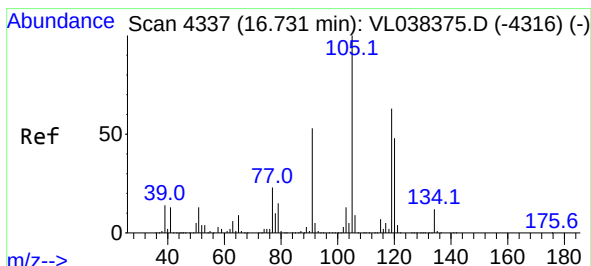
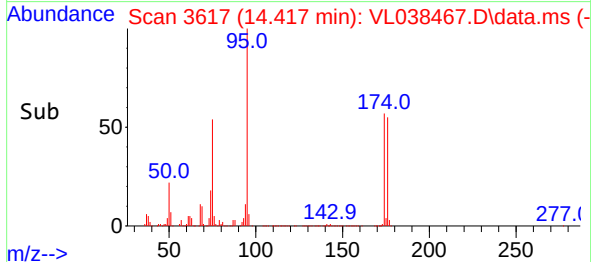
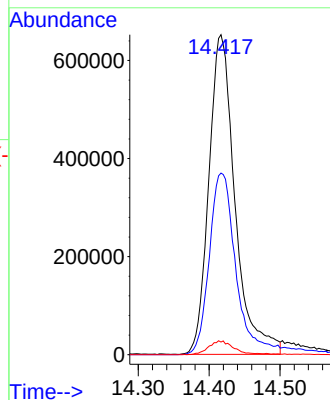
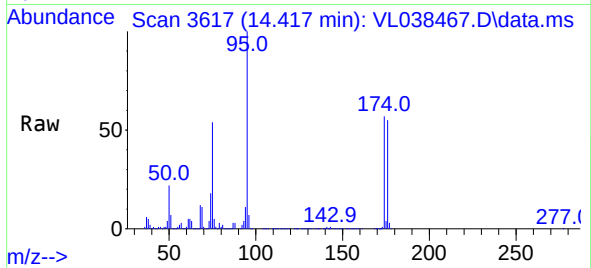
#68
1-Bromo-4-Fluorobenzene
Concen: 9.885 ppbv
RT: 14.417 min Scan# 30
Delta R.T. 0.029 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

Instrument :
MSVOA_L
ClientSampleId :
FSG3

Tgt Ion: 95 Resp: 167429
Ion Ratio Lower Upper
95 100
174 61.2 49.0 73.4
175 4.3 3.6 5.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.154 ppbv
RT: 16.761 min Scan# 4346
Delta R.T. 0.029 min
Lab File: VL038467.D
Acq: 2 Mar 2022 1:37

Tgt Ion:105 Resp: 36956
Ion Ratio Lower Upper
105 100
120 38.1 38.2 57.4#
91 14.4 42.7 64.1#
77 16.3 18.5 27.7#

