

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
 Data File : VL038388.D
 Acq On : 22 Feb 2022 14:22
 Operator : SY/AP
 Sample : N1585-01DL2 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-FAM4GL-3DL2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022
 Supervised By :Mahesh Dadoda 02/25/2022

Quant Time: Feb 23 07:04:24 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 23 07:04:24 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	5.658	49	970271	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.163	114	2522489	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.069	117	2206759	10.000	ppbv	# 0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.397 95 1718936 9.414 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.100%

Target Compounds

						Qvalue
5) Vinyl Chloride	3.259	62	15561	0.250	ppbv	91
9) Propene	3.015	41	198456	3.508	ppbv	89
10) Heptane	8.115	43	21940m	0.159	ppbv	
11) Trichlorofluoromethane	3.948	101	1437088	9.767	ppbv	94
15) Acetone	3.854	43	37953m	0.460	ppbv	
20) Methylene Chloride	4.337	84	26880m	0.657	ppbv	
26) Hexane	5.681	57	51734	0.515	ppbv #	42
27) Carbon Disulfide	4.549	76	52089	0.466	ppbv #	82
30) Cyclohexane	7.115	84	24739m	0.301	ppbv	
31) cis-1,2-Dichloroethene	5.539	61	40257	0.414	ppbv	97
32) 1,1,1-Trichloroethane	6.494	97	16731m	0.102	ppbv	
34) 2-Butanone	5.259	43	14234m	0.179	ppbv	
36) Benzene	6.883	78	103165	0.465	ppbv	92
38) Trichloroethene	7.828	130	11908m	0.147	ppbv	
52) Tetrachloroethene	11.204	164	19432m	0.264	ppbv	
53) Toluene	9.793	91	49484m	0.205	ppbv	
57) Chlorobenzene	12.130	112	23739m	0.139	ppbv	

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

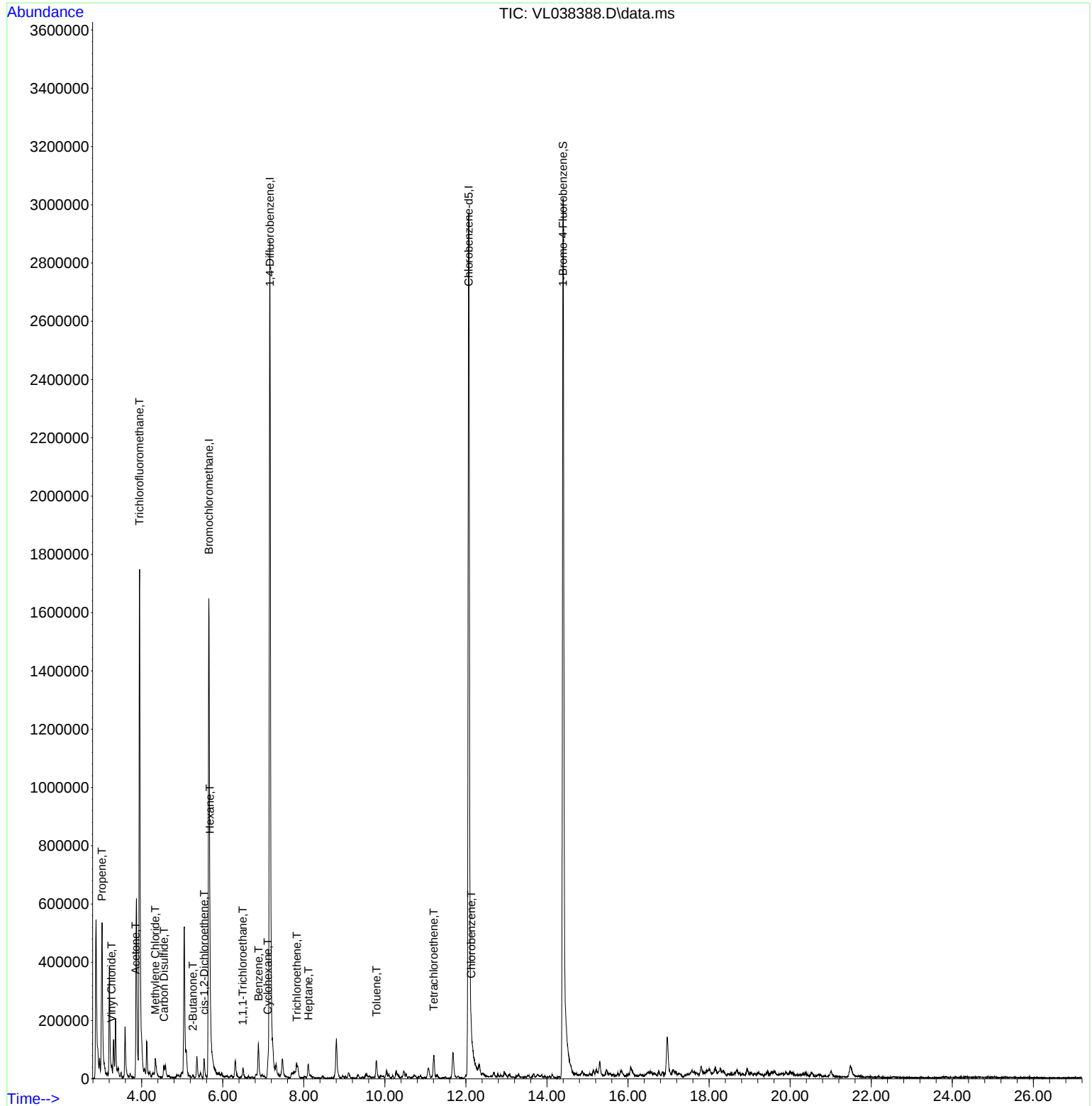
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
Data File : VL038388.D
Acq On : 22 Feb 2022 14:22
Operator : SY/AP
Sample : N1585-01DL2 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

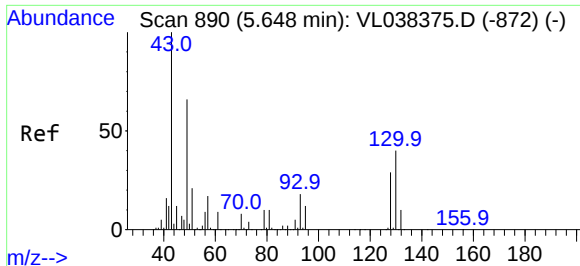
Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 02/23/2022
Supervised By : Mahesh Dadoda 02/25/2022

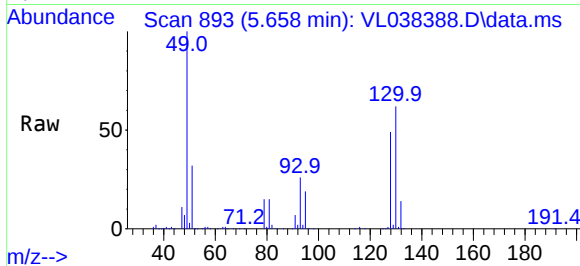
Quant Time: Feb 23 07:04:24 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.658 min Scan# 890
Delta R.T. 0.010 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

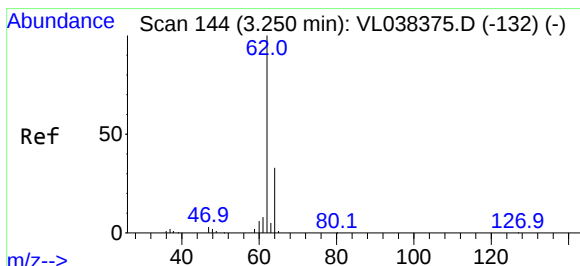
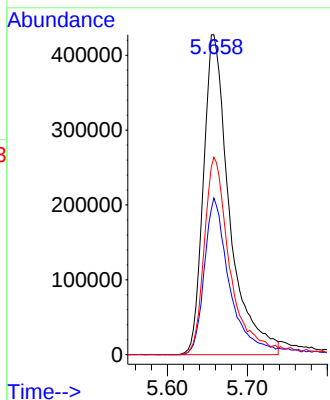
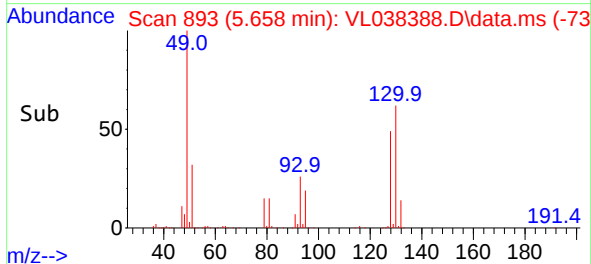
Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2



Tgt Ion: 49 Resp: 97027
Ion Ratio Lower Upper
49 100
128 50.5 24.3 72.9
130 64.8 30.1 90.5

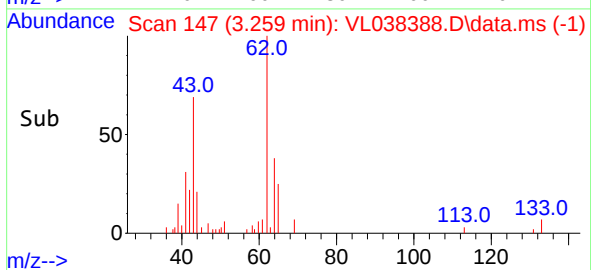
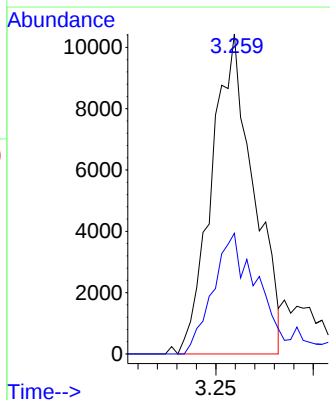
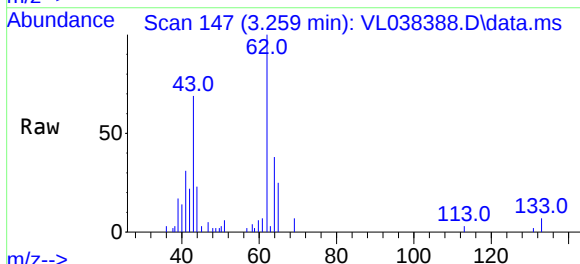
Manual Integrations
APPROVED

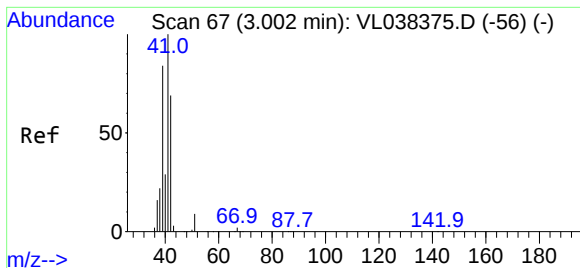
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#5
Vinyl Chloride
Concen: 0.250 ppbv
RT: 3.259 min Scan# 147
Delta R.T. 0.010 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

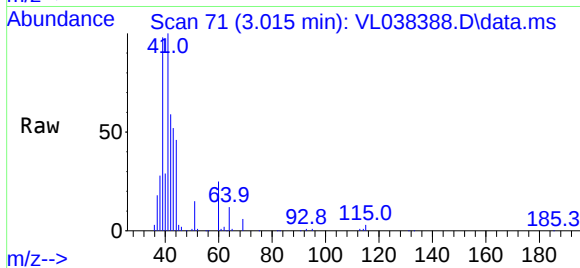
Tgt Ion: 62 Resp: 15561
Ion Ratio Lower Upper
62 100
64 37.7 26.2 39.2





#9
Propene
Concen: 3.508 ppbv
RT: 3.015 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

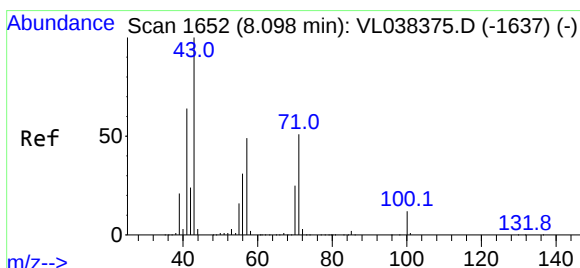
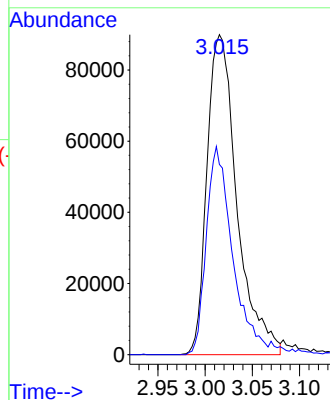
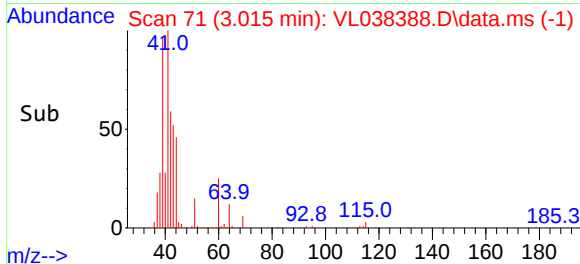
Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2



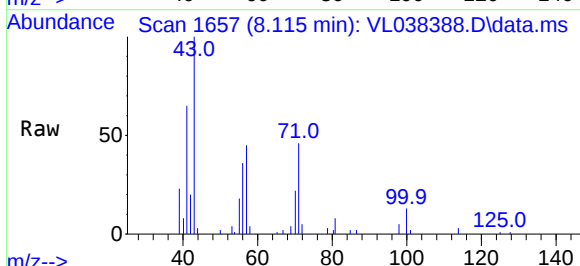
Tgt Ion: 41 Resp: 198450
Ion Ratio Lower Upper
41 100
42 59.1 54.6 82.0

Manual Integrations
APPROVED

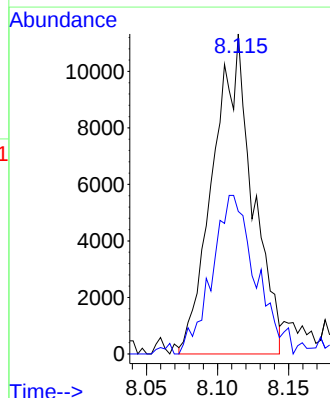
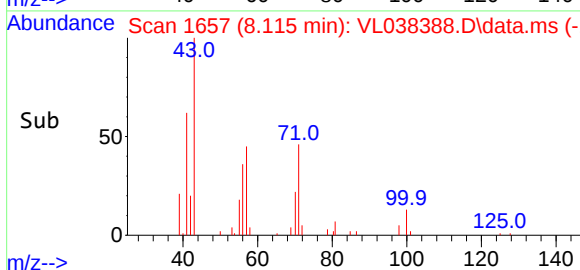
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022

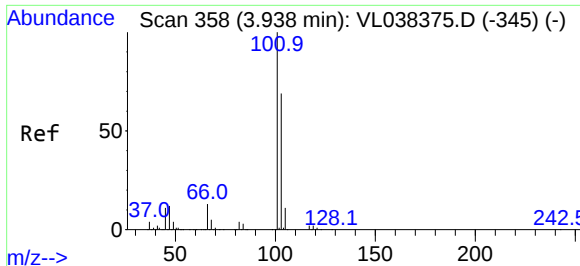


#10
Heptane
Concen: 0.159 ppbv m
RT: 8.115 min Scan# 1657
Delta R.T. 0.016 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22



Tgt Ion: 43 Resp: 21940
Ion Ratio Lower Upper
43 100
57 55.4 39.8 59.8





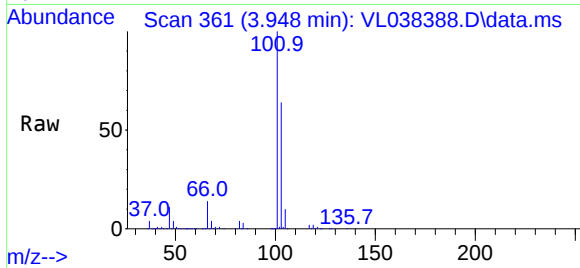
#11
Trichlorofluoromethane
Concen: 9.767 ppbv
RT: 3.948 min Scan# 301
Delta R.T. 0.010 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Instrument :

MSVOA_L

ClientSampleId :

SG-FAM4GL-3DL2

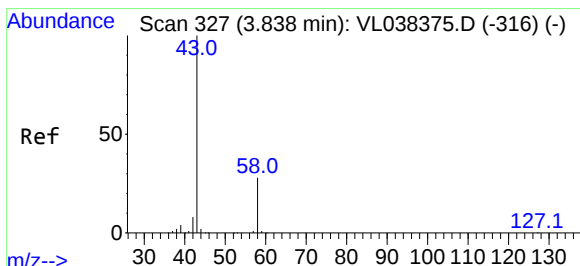
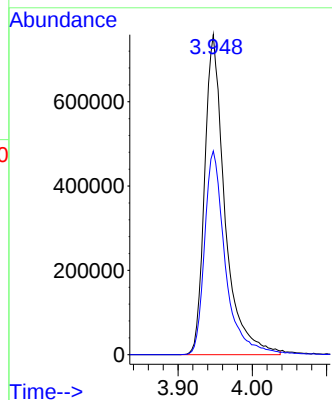
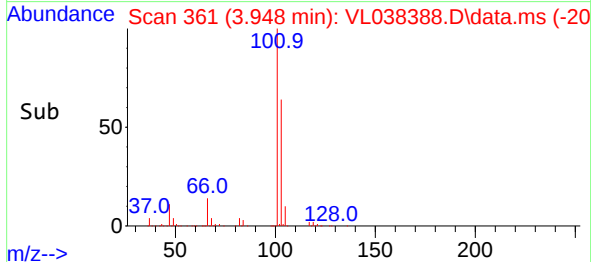


Tgt Ion:101 Resp: 1437088
Ion Ratio Lower Upper
101 100
103 63.7 55.0 82.4

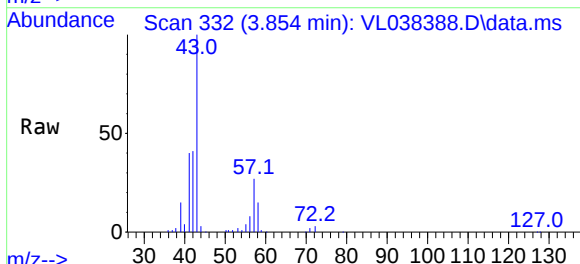
Manual Integrations

APPROVED

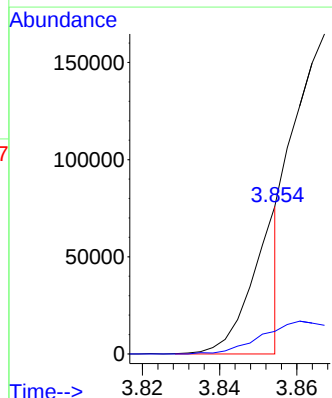
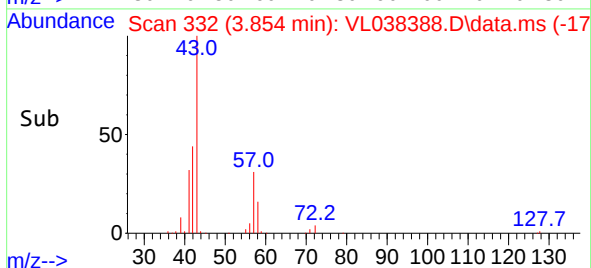
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022

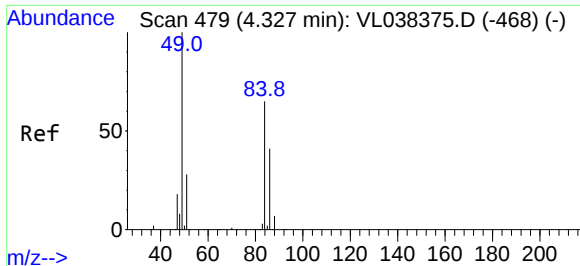


#15
Acetone
Concen: 0.460 ppbv m
RT: 3.854 min Scan# 332
Delta R.T. 0.016 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22



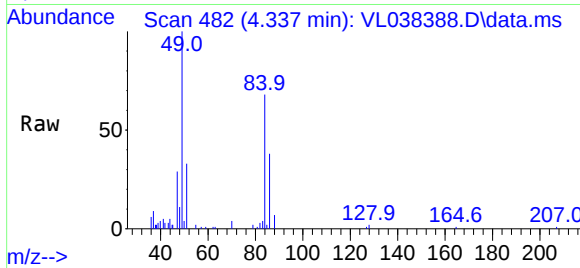
Tgt Ion: 43 Resp: 37953
Ion Ratio Lower Upper
43 100
58 121.3 21.7 32.5#





#20
Methylene Chloride
Concen: 0.657 ppbv m
RT: 4.337 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

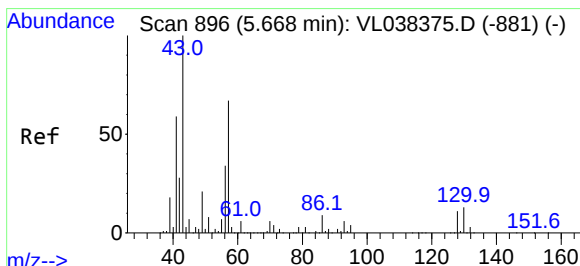
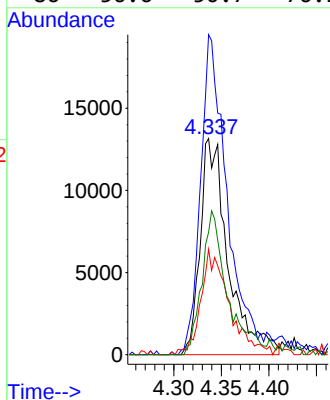
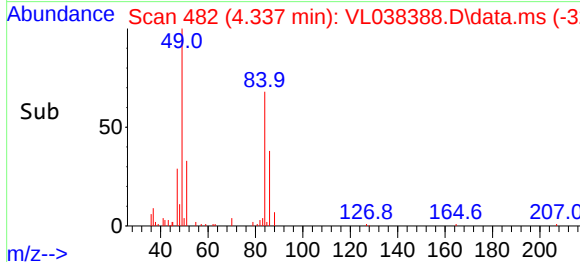
Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2



Tgt Ion: 84 Resp: 26880
Ion Ratio Lower Upper
84 100
49 148.0 122.4 183.6
51 48.8 33.3 49.9
86 56.6 50.7 76.1

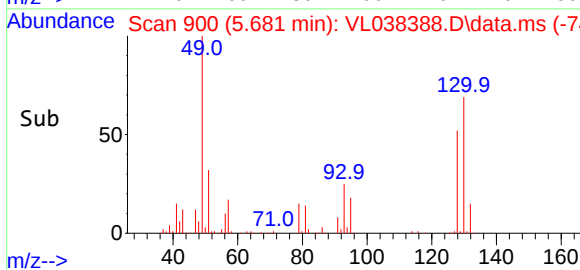
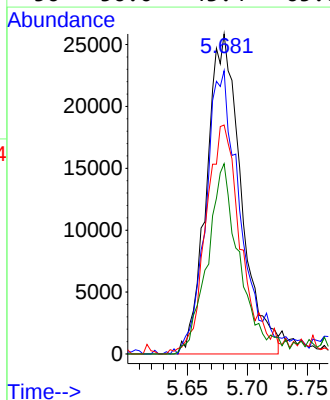
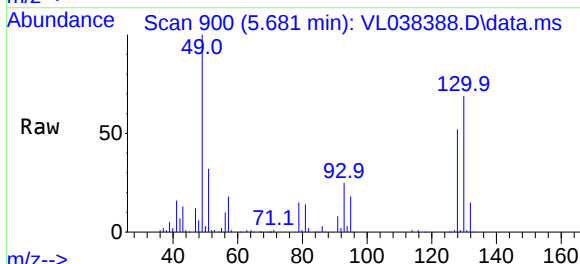
Manual Integrations
APPROVED

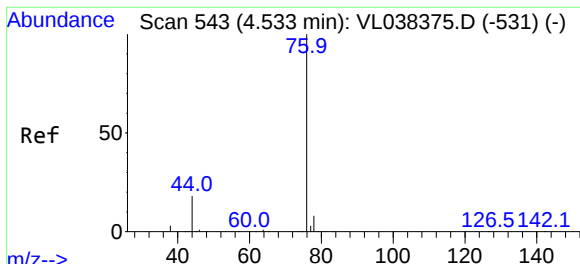
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#26
Hexane
Concen: 0.515 ppbv
RT: 5.681 min Scan# 900
Delta R.T. 0.013 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

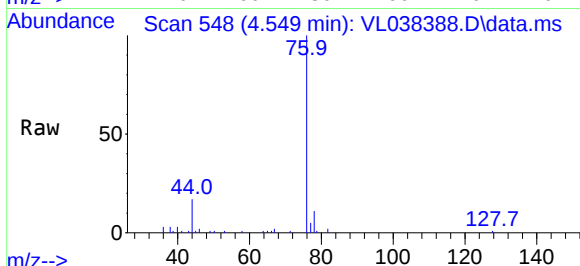
Tgt Ion: 57 Resp: 51734
Ion Ratio Lower Upper
57 100
41 88.9 73.1 109.7
43 73.9 181.0 271.4#
56 56.0 43.4 65.0





#27
Carbon Disulfide
Concen: 0.466 ppbv
RT: 4.549 min Scan# 543
Delta R.T. 0.016 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

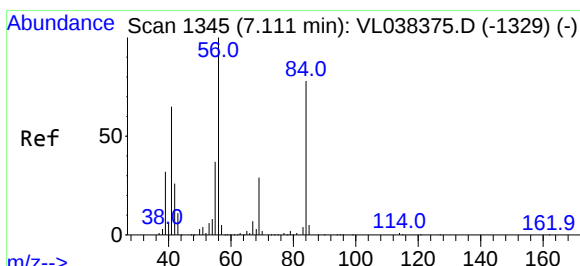
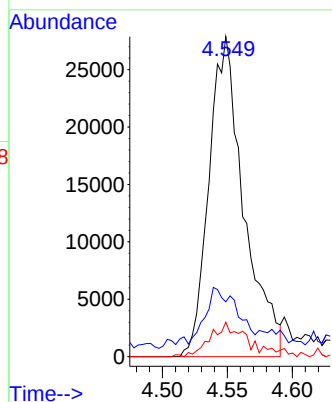
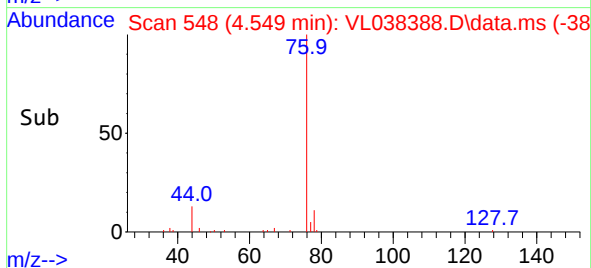
Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2



Tgt Ion: 76 Resp: 52089
Ion Ratio Lower Upper
76 100
44 28.8 14.2 21.2
78 11.9 7.8 11.6

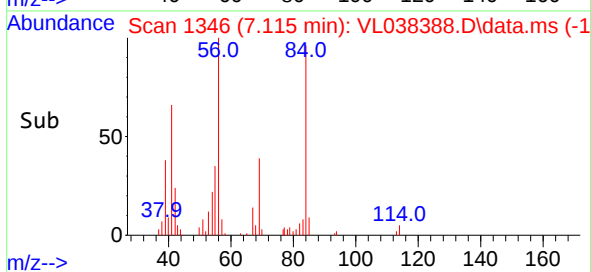
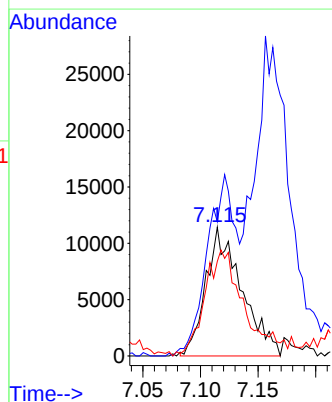
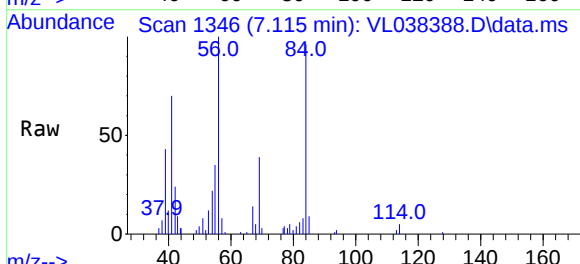
Manual Integrations
APPROVED

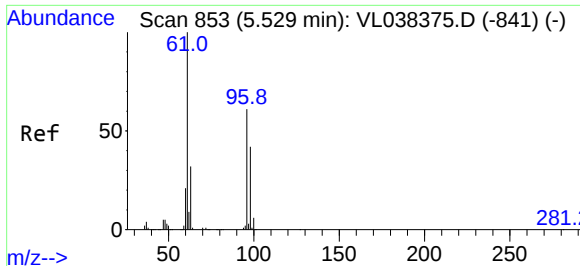
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#30
Cyclohexane
Concen: 0.301 ppbv m
RT: 7.115 min Scan# 1346
Delta R.T. 0.003 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion: 84 Resp: 24739
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4#
41 0.0 74.3 111.5#





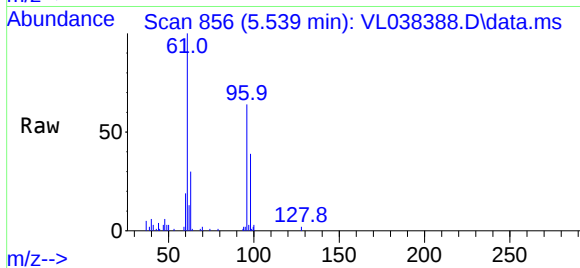
#31
cis-1,2-Dichloroethene
Concen: 0.414 ppbv
RT: 5.539 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Instrument :

MSVOA_L

ClientSampleId :

SG-FAM4GL-3DL2

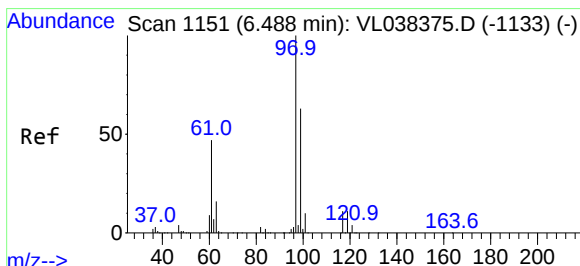
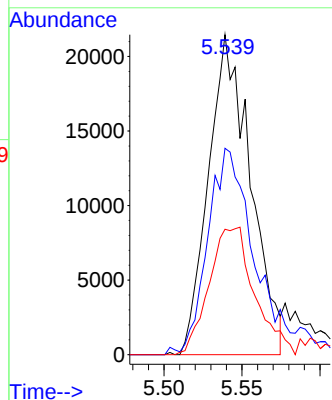
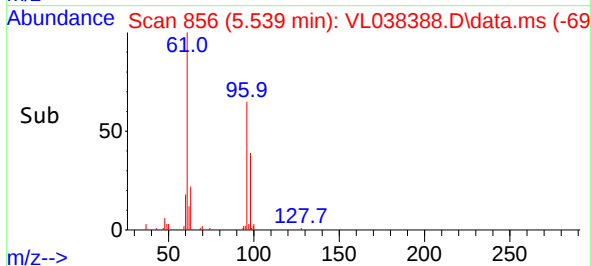


Tgt Ion: 61 Resp: 4025
Ion Ratio Lower Upper
61 100
96 63.6 48.6 73.0
98 39.5 33.2 49.8

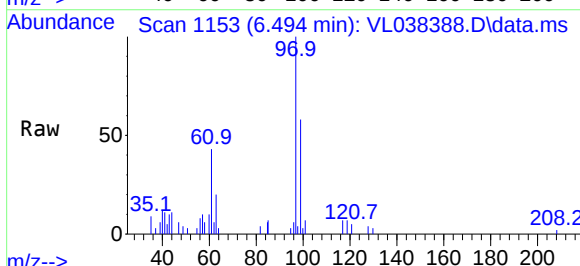
Manual Integrations

APPROVED

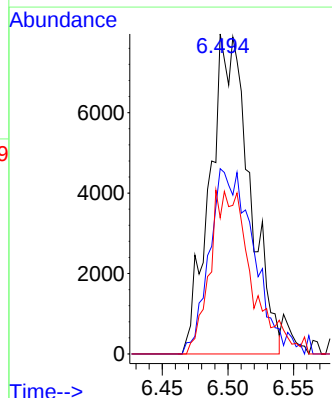
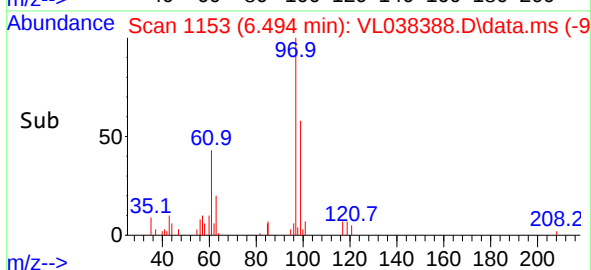
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022

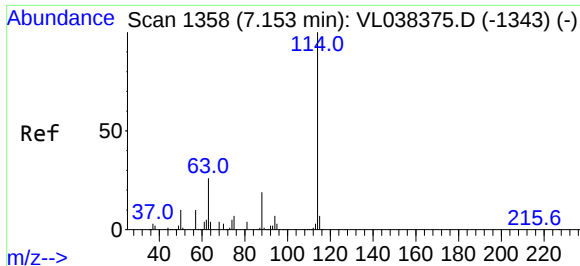


#32
1,1,1-Trichloroethane
Concen: 0.102 ppbv m
RT: 6.494 min Scan# 1153
Delta R.T. 0.007 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22



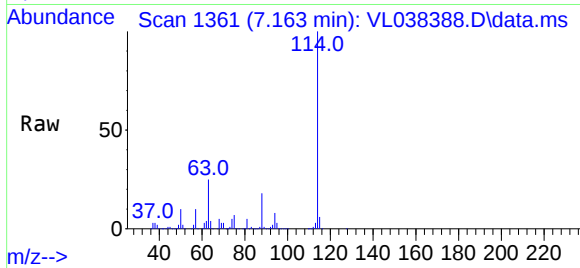
Tgt Ion: 97 Resp: 16731
Ion Ratio Lower Upper
97 100
99 0.0 51.9 77.9#
61 0.0 40.5 60.7#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.163 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

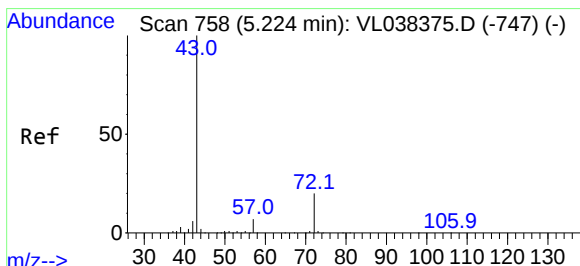
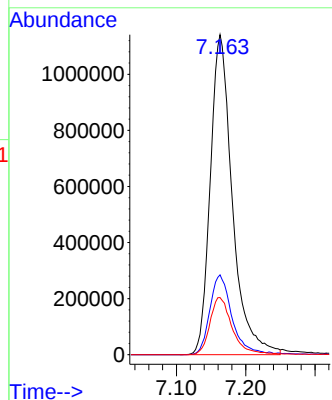
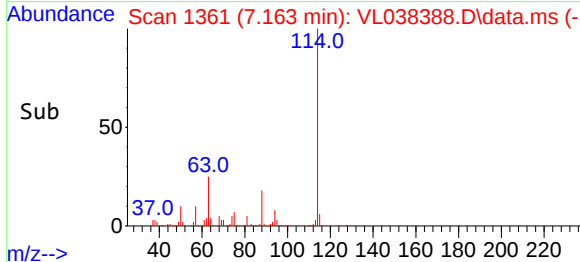
Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2



Tgt Ion:114 Resp: 2522489
Ion Ratio Lower Upper
114 100
63 25.7 22.2 33.2
88 18.2 15.2 22.8

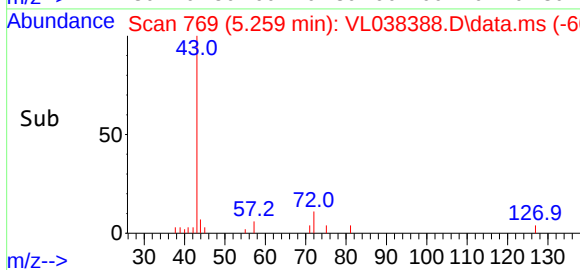
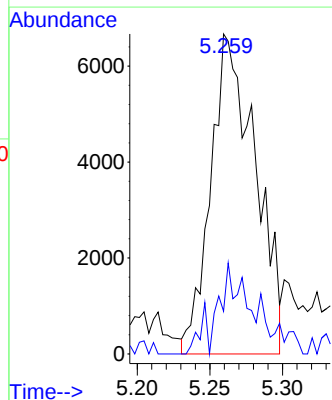
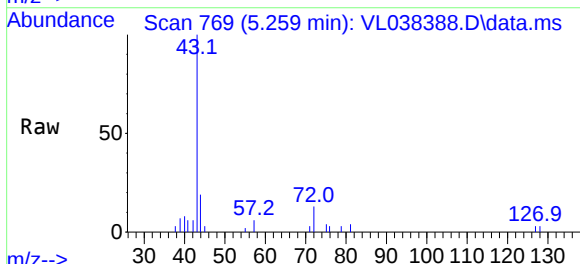
Manual Integrations
APPROVED

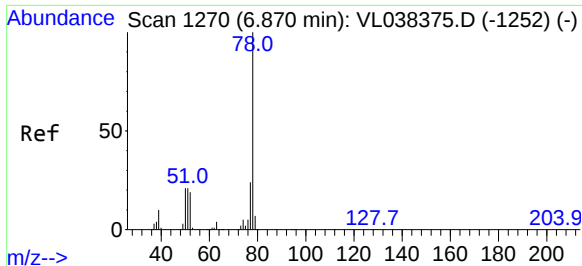
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#34
2-Butanone
Concen: 0.179 ppbv m
RT: 5.259 min Scan# 769
Delta R.T. 0.035 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

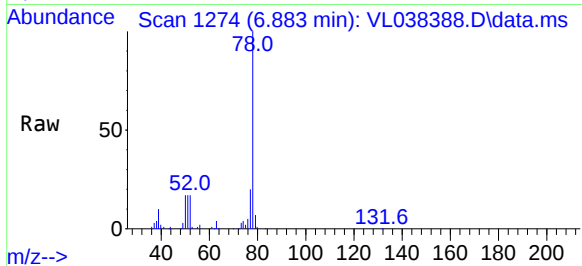
Tgt Ion: 43 Resp: 14234
Ion Ratio Lower Upper
43 100
72 27.1 17.4 26.2#





#36
Benzene
Concen: 0.465 ppbv
RT: 6.883 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

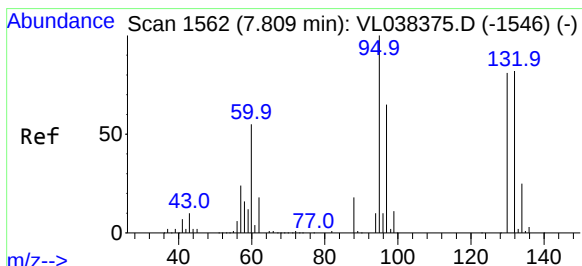
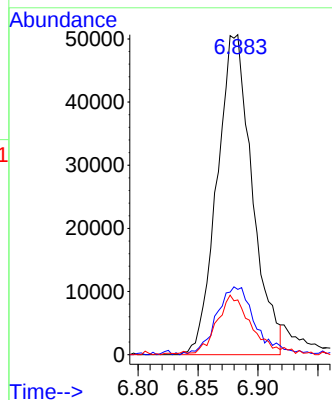
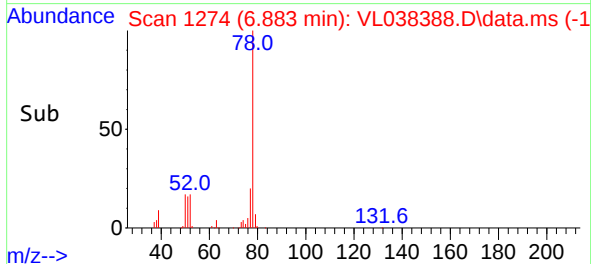
Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2



Tgt Ion: 78 Resp: 10316
Ion Ratio Lower Upper
78 100
77 20.4 19.0 28.6
50 16.6 16.6 24.8

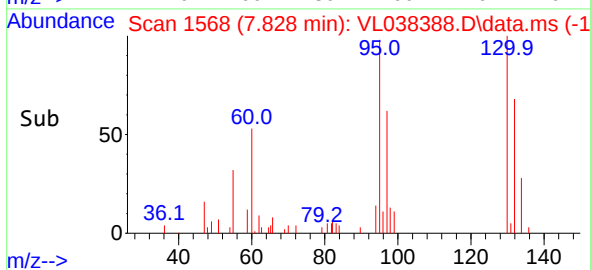
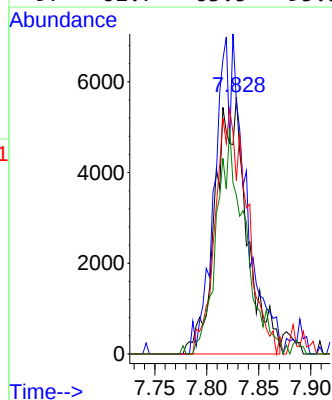
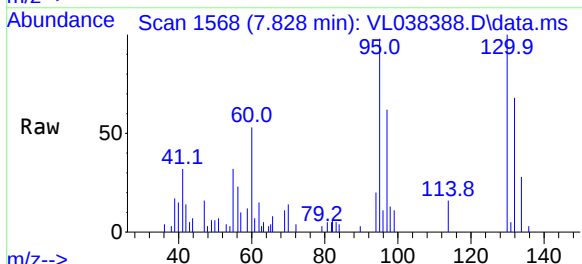
Manual Integrations
APPROVED

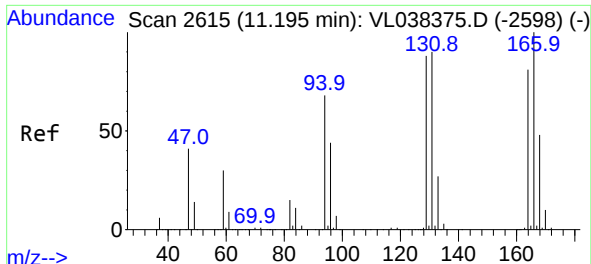
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#38
Trichloroethene
Concen: 0.147 ppbv m
RT: 7.828 min Scan# 1568
Delta R.T. 0.019 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

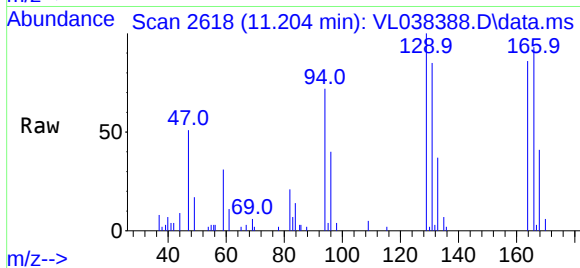
Tgt Ion:130 Resp: 11908
Ion Ratio Lower Upper
130 100
95 98.4 98.1 147.1
132 67.5 80.3 120.5#
97 61.7 63.5 95.3#





#52
Tetrachloroethene
Concen: 0.264 ppbv m
RT: 11.204 min Scan# 2179
Delta R.T. 0.010 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

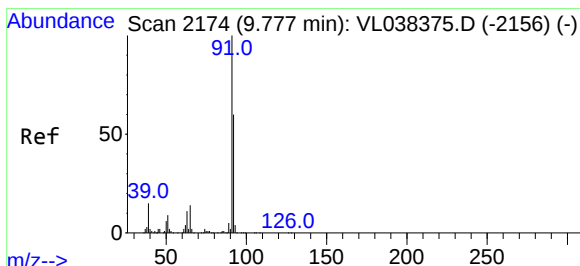
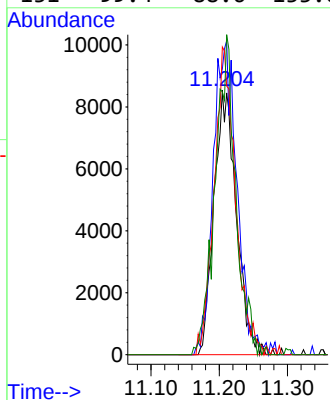
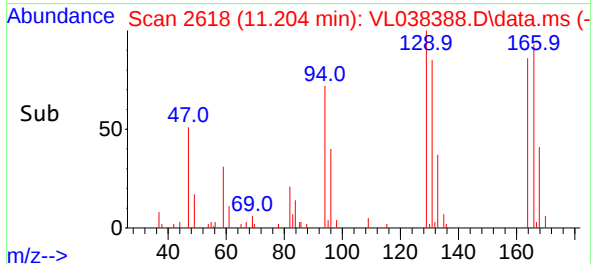
Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2



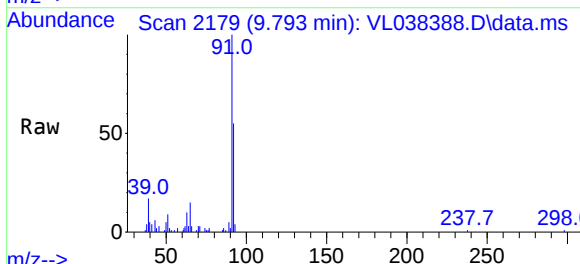
Tgt Ion:164 Resp: 1943
Ion Ratio Lower Upper
164 100
166 108.1 98.6 148.0
129 116.4 86.9 130.3
131 99.4 88.6 133.0

Manual Integrations
APPROVED

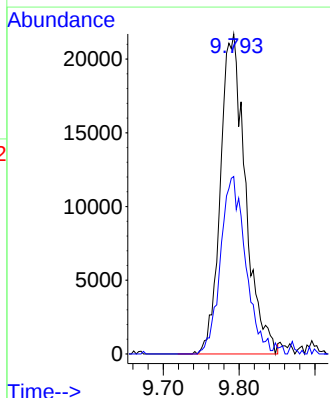
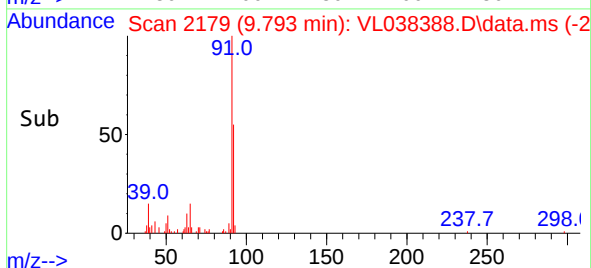
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022

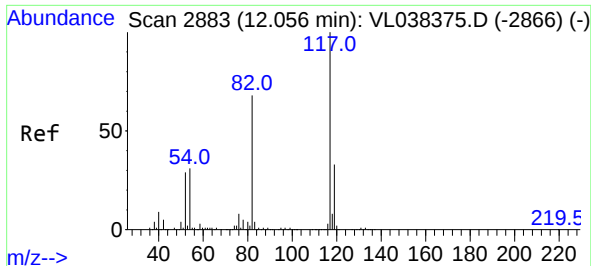


#53
Toluene
Concen: 0.205 ppbv m
RT: 9.793 min Scan# 2179
Delta R.T. 0.016 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22



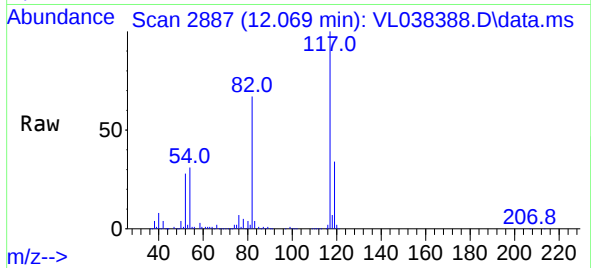
Tgt Ion: 91 Resp: 49484
Ion Ratio Lower Upper
91 100
92 57.5 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.069 min Scan# 2883
Delta R.T. 0.013 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

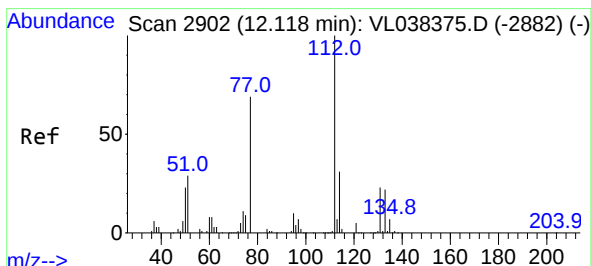
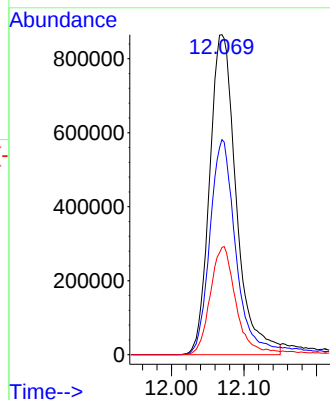
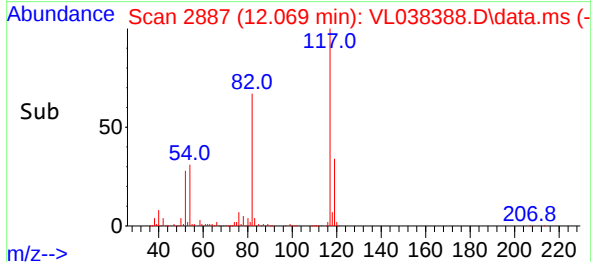
Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2



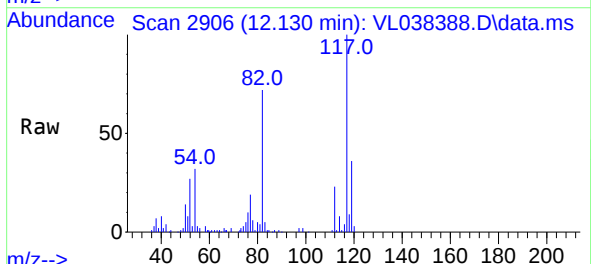
Tgt Ion:117 Resp: 220675
Ion Ratio Lower Upper
117 100
82 68.2 54.9 82.3
119 34.1 46.1 69.1

Manual Integrations
APPROVED

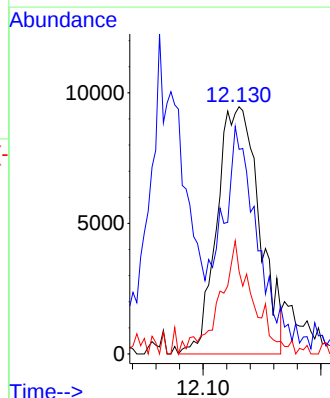
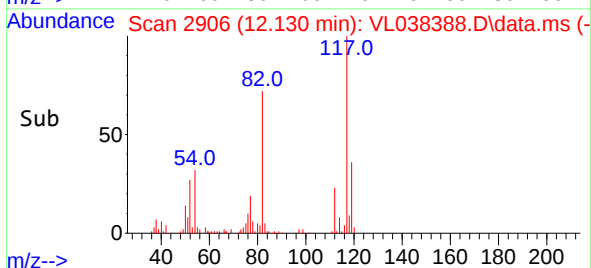
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022

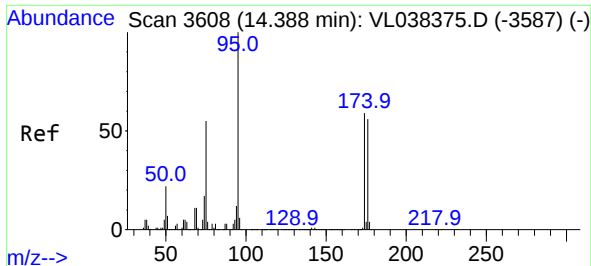


#57
Chlorobenzene
Concen: 0.139 ppbv m
RT: 12.130 min Scan# 2906
Delta R.T. 0.013 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22



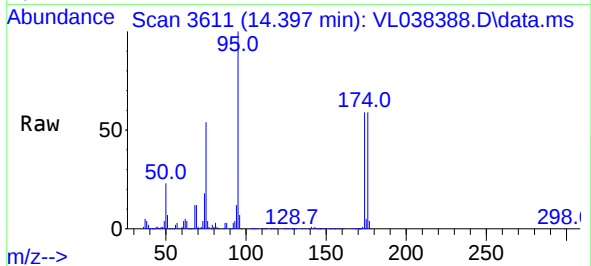
Tgt Ion:112 Resp: 23739
Ion Ratio Lower Upper
112 100
77 82.8 55.2 82.8#
114 33.4 27.9 34.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.414 ppbv
 RT: 14.397 min Scan# 30
 Delta R.T. 0.010 min
 Lab File: VL038388.D
 Acq: 22 Feb 2022 14:22

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-FAM4GL-3DL2



Tgt Ion: 95 Resp: 1718930
 Ion Ratio Lower Upper
 95 100
 174 65.5 49.0 73.4
 175 4.7 3.6 5.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022
 Supervised By :Mahesh Dadoda 02/25/2022

