

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
 Data File : VL038458.D
 Acq On : 1 Mar 2022 19:50
 Operator : SY/AP
 Sample : N1720-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

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

Quant Time: Mar 02 03:08:11 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 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	5.671	49	872861	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.176	114	2029925	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.085	117	1717657	10.000	ppbv	# 0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.413	95	1322651	9.306	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.100%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.060	85	35825	0.259	ppbv	100
3) Chlorodifluoromethane	2.996	51	72506m	0.470	ppbv	
4) Chloromethane	3.147	50	31086m	0.580	ppbv	
9) Propene	3.028	41	38446	0.755	ppbv #	82
11) Trichlorofluoromethane	3.960	101	28033	0.212	ppbv	86
13) Ethanol	3.610	45	230153	45.317	ppbv	100
15) Acetone	3.861	43	229880	3.097	ppbv	97
19) Isopropyl Alcohol	3.980	45	135878	3.161	ppbv #	93
20) Methylene Chloride	4.353	84	131529	3.576	ppbv	95
26) Hexane	5.690	57	120109	1.330	ppbv #	45
34) 2-Butanone	5.256	43	20213m	0.317	ppbv	
35) Carbon Tetrachloride	7.025	117	9197m	0.064	ppbv	
36) Benzene	6.893	78	48575	0.272	ppbv	98
52) Tetrachloroethene	11.217	164	10577m	0.178	ppbv	
53) Toluene	9.809	91	54213	0.279	ppbv	94
59) m/p-Xylene	12.976	91	24404m	0.121	ppbv	

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

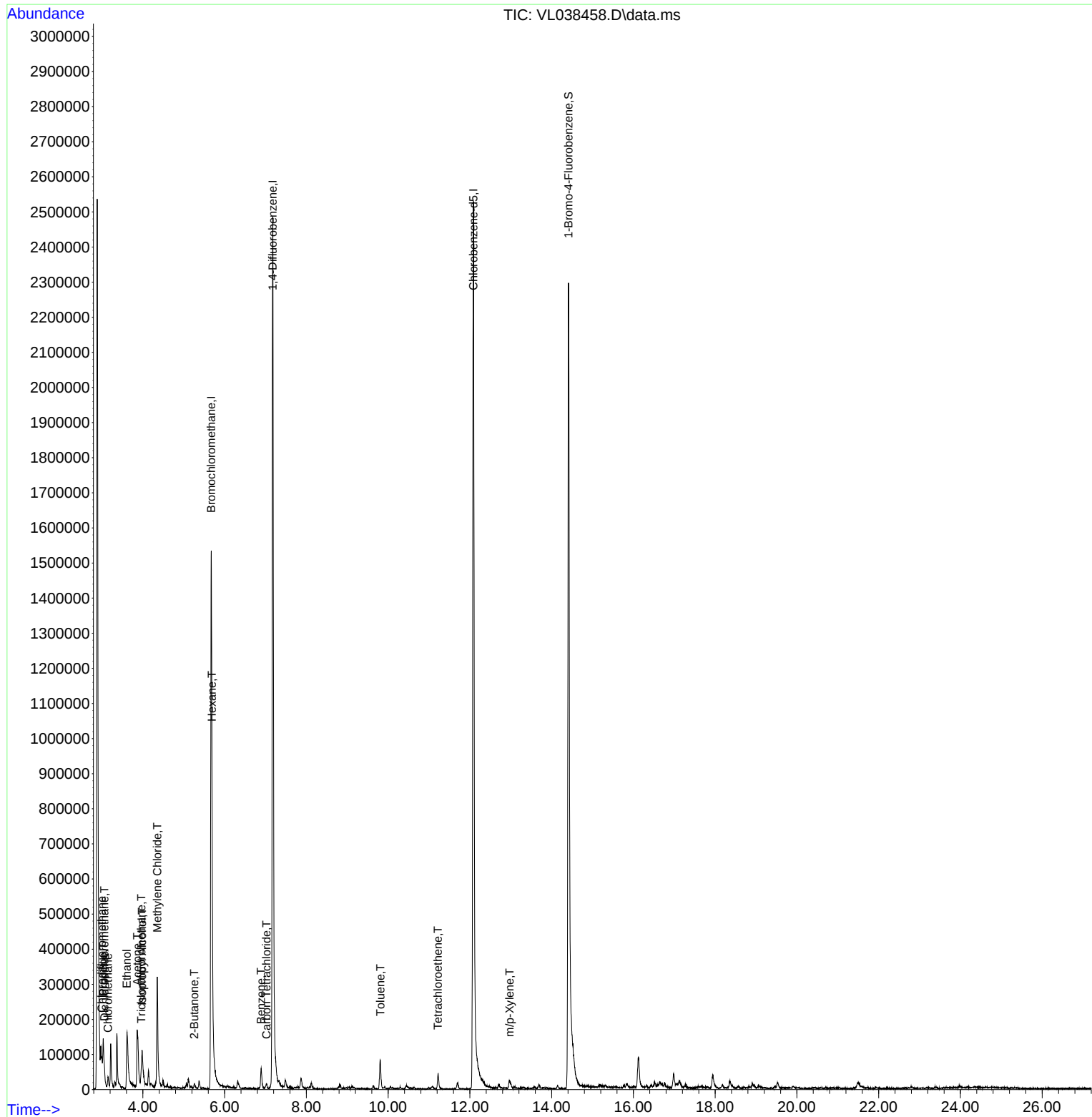
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
Data File : VL038458.D
Acq On : 1 Mar 2022 19:50
Operator : SY/AP
Sample : N1720-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

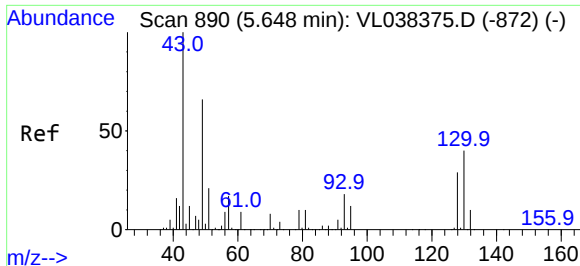
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Mar 02 03:08:11 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

Manual Integrations
APPROVED

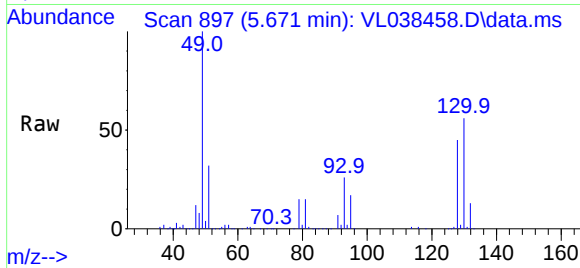
Reviewed By : Semsettin Yesilyurt 03/02/2022
Supervised By : Mahesh Dadoda 03/02/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. 0.023 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

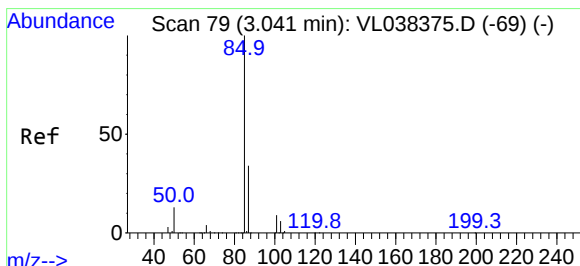
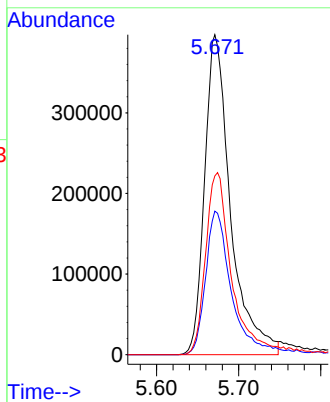
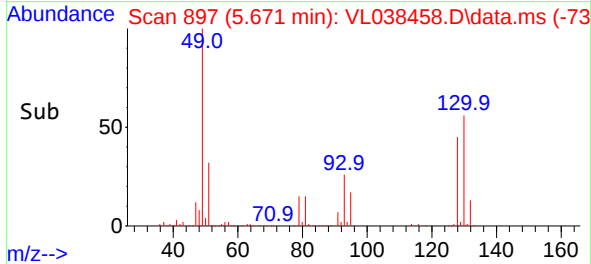
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 87286
Ion Ratio Lower Upper
49 100
128 46.1 24.3 72.9
130 59.8 30.1 90.5

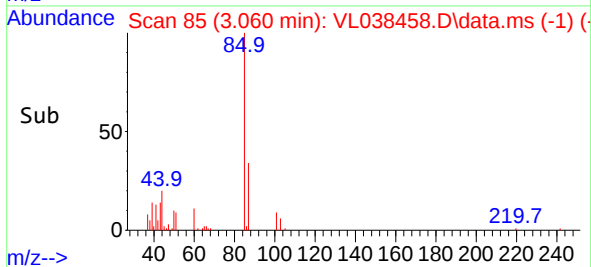
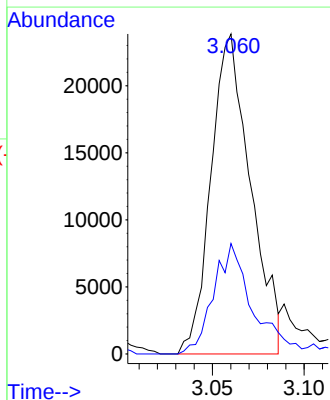
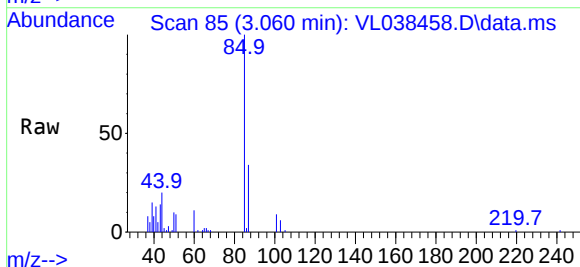
Manual Integrations
APPROVED

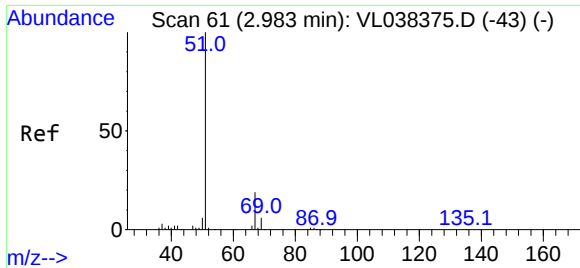
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#2
Dichlorodifluoromethane
Concen: 0.259 ppbv
RT: 3.060 min Scan# 85
Delta R.T. 0.019 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

Tgt Ion: 85 Resp: 35825
Ion Ratio Lower Upper
85 100
87 34.5 27.4 41.0





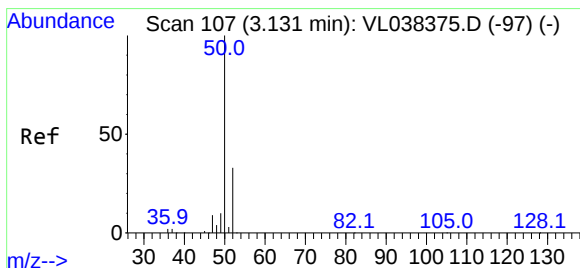
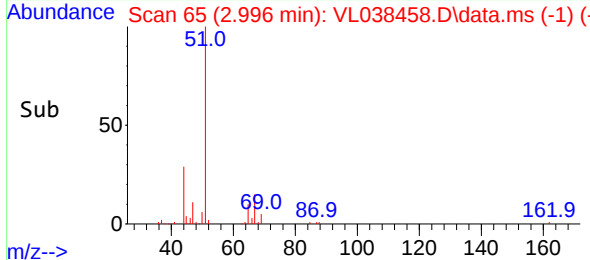
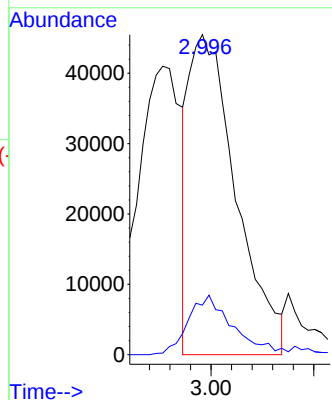
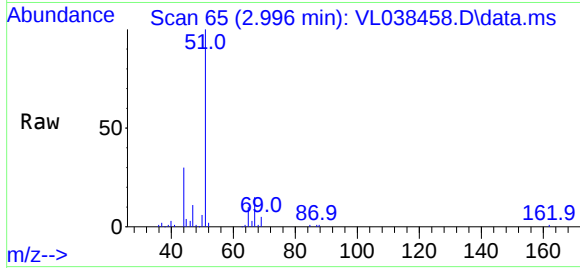
#3
Chlorodifluoromethane
Concen: 0.470 ppbv m
RT: 2.996 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 72500
Ion Ratio Lower Upper
51 100
67 19.1 14.7 22.1

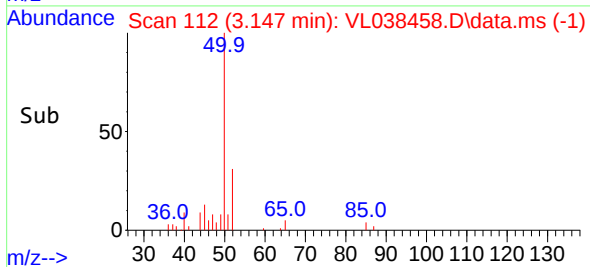
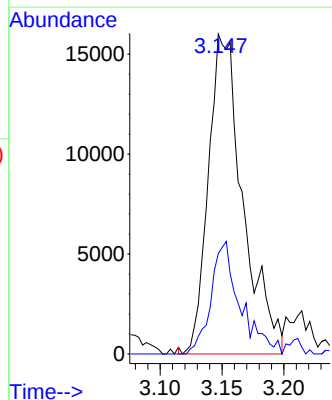
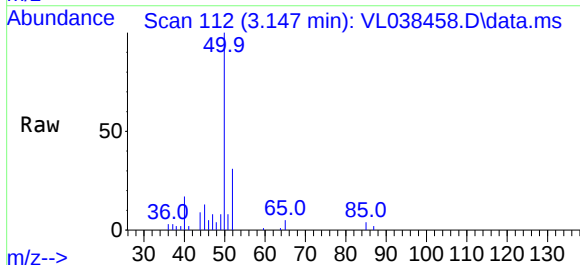
Manual Integrations
APPROVED

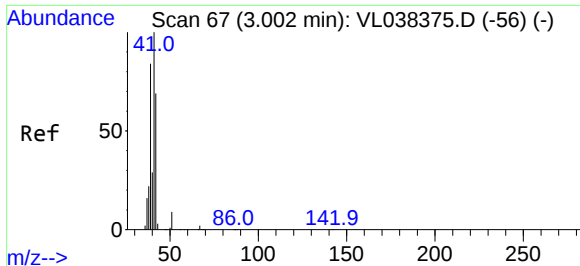
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#4
Chloromethane
Concen: 0.580 ppbv m
RT: 3.147 min Scan# 112
Delta R.T. 0.016 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

Tgt Ion: 50 Resp: 31086
Ion Ratio Lower Upper
50 100
52 31.3 26.5 39.7





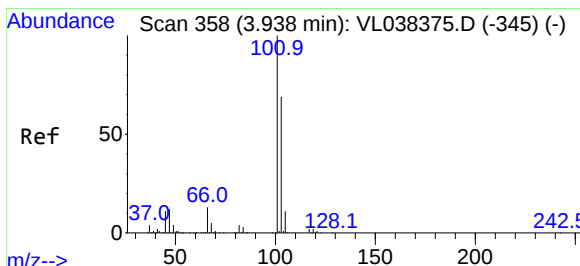
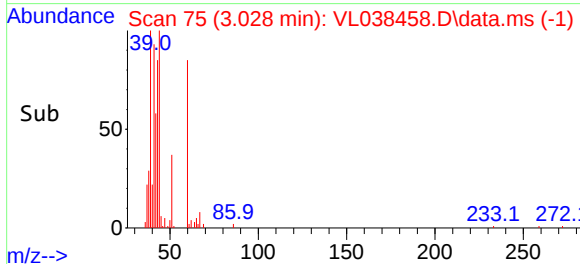
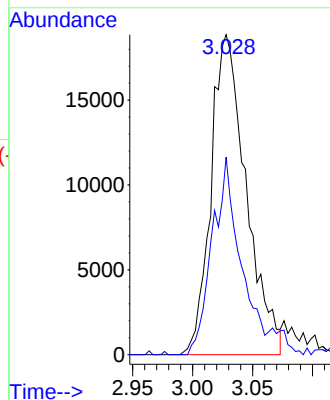
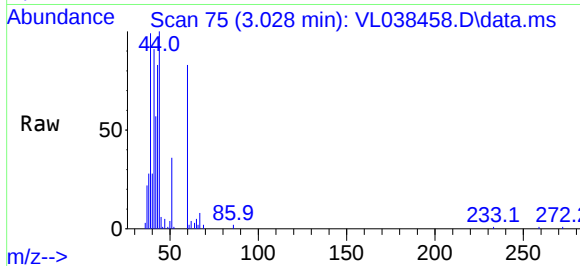
#9
Propene
Concen: 0.755 ppbv
RT: 3.028 min Scan# 71
Delta R.T. 0.026 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 41 Resp: 3844
Ion Ratio Lower Upper
41 100
42 53.5 54.6 82.0

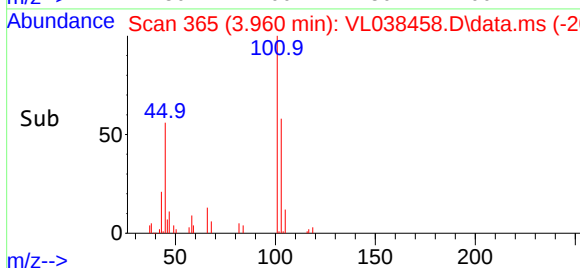
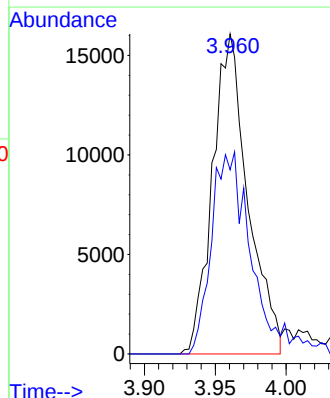
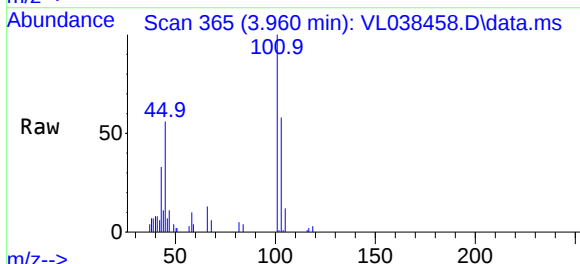
Manual Integrations
APPROVED

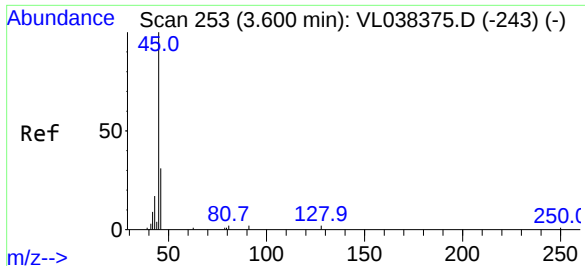
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#11
Trichlorofluoromethane
Concen: 0.212 ppbv
RT: 3.960 min Scan# 365
Delta R.T. 0.023 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

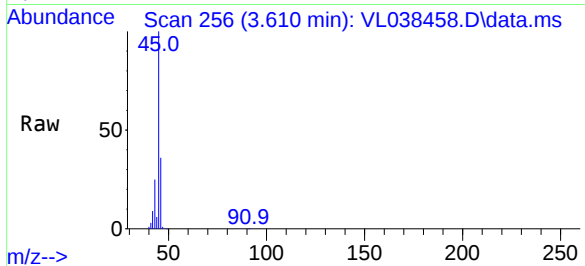
Tgt Ion:101 Resp: 28033
Ion Ratio Lower Upper
101 100
103 57.6 55.0 82.4





#13
Ethanol
Concen: 45.317 ppbv
RT: 3.610 min Scan# 210
Delta R.T. 0.010 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

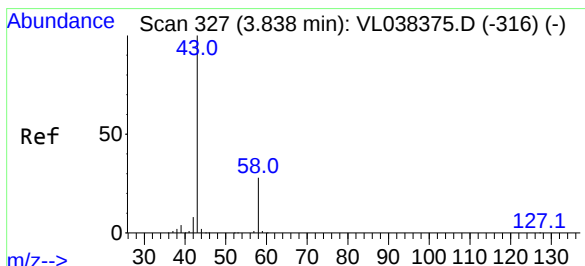
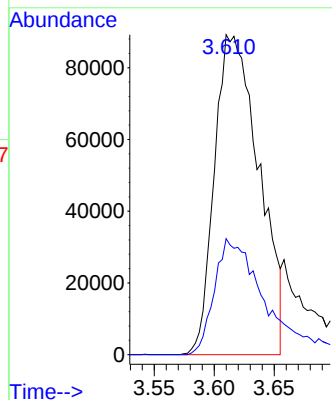
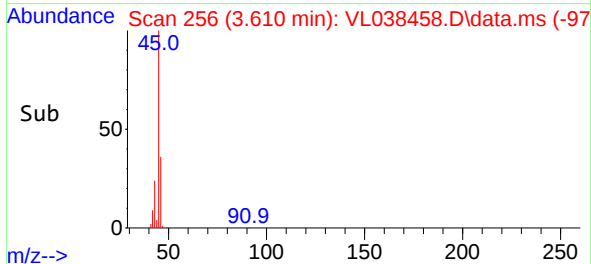
Instrument :
MSVOA_L
ClientSampleId :
OA1



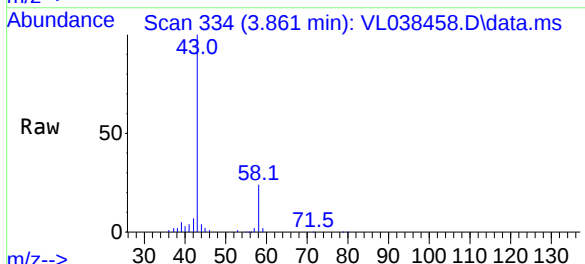
Tgt Ion: 45 Resp: 23015
Ion Ratio Lower Upper
45 100
46 45.6 18.2 72.8

Manual Integrations
APPROVED

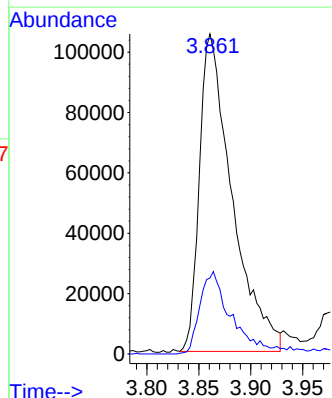
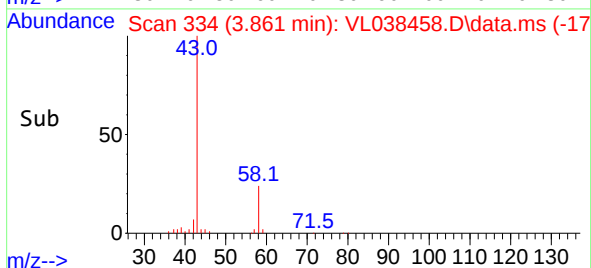
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

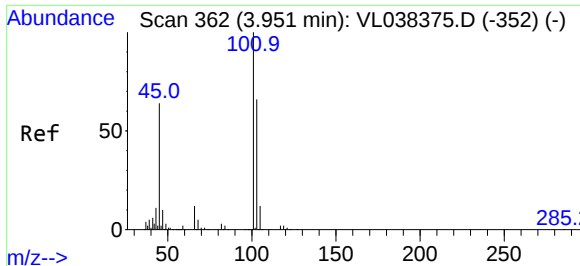


#15
Acetone
Concen: 3.097 ppbv
RT: 3.861 min Scan# 334
Delta R.T. 0.023 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50



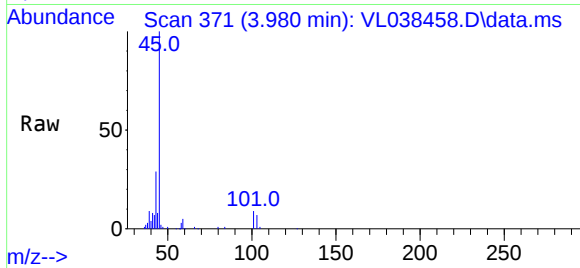
Tgt Ion: 43 Resp: 229880
Ion Ratio Lower Upper
43 100
58 25.4 21.7 32.5





#19
Isopropyl Alcohol
Concen: 3.161 ppbv
RT: 3.980 min Scan# 31
Delta R.T. 0.029 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

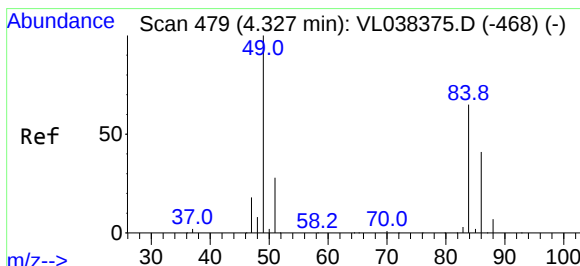
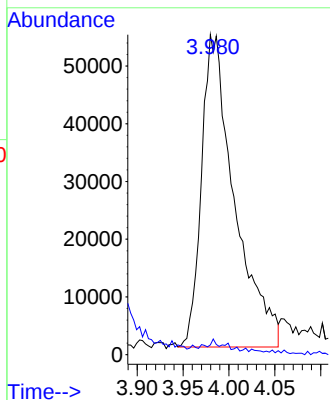
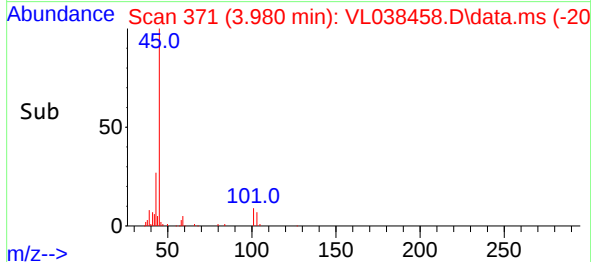
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 45 Resp: 135878
Ion Ratio Lower Upper
45 100
58 4.7 1.8 2.8

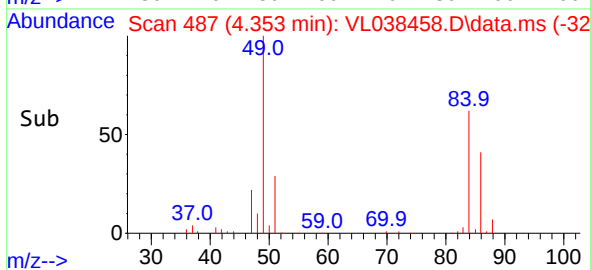
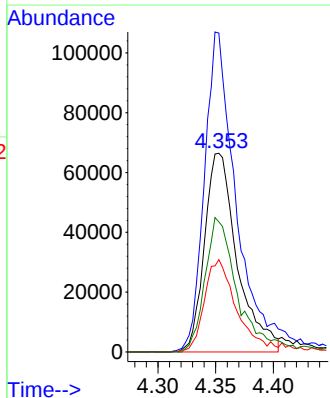
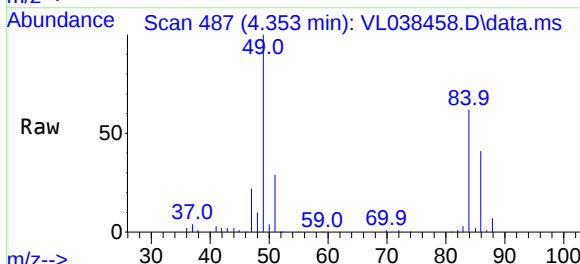
Manual Integrations
APPROVED

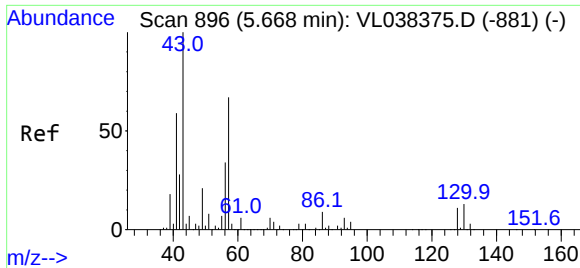
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#20
Methylene Chloride
Concen: 3.576 ppbv
RT: 4.353 min Scan# 487
Delta R.T. 0.026 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

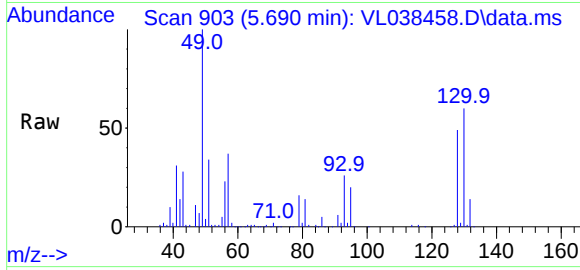
Tgt Ion: 84 Resp: 131529
Ion Ratio Lower Upper
84 100
49 159.4 122.4 183.6
51 46.2 33.3 49.9
86 65.5 50.7 76.1





#26
Hexane
Concen: 1.330 ppbv
RT: 5.690 min Scan# 90
Delta R.T. 0.023 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

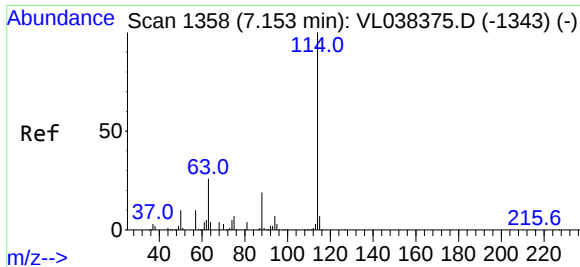
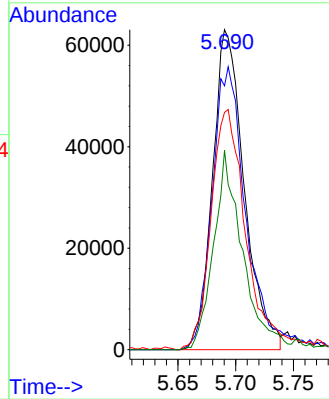
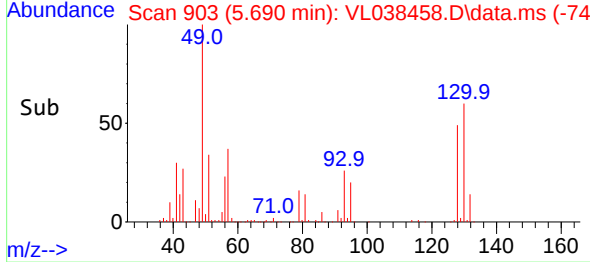
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 57 Resp: 120109
Ion Ratio Lower Upper
57 100
41 97.7 73.1 109.7
43 86.6 181.0 271.4
56 59.2 43.4 65.0

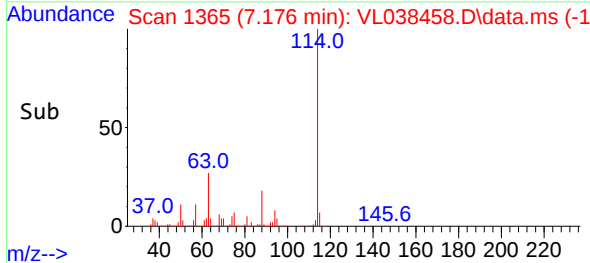
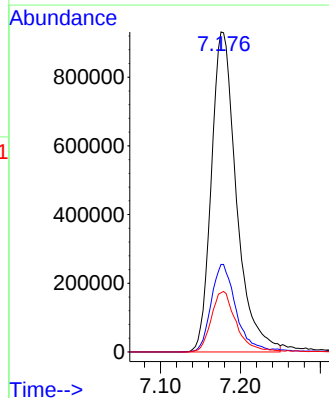
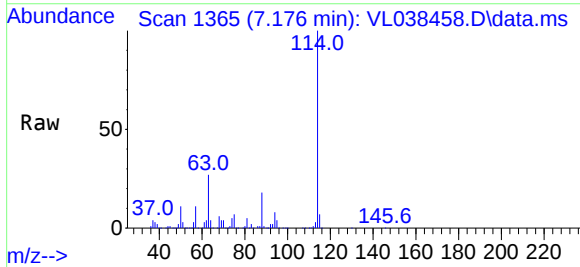
Manual Integrations
APPROVED

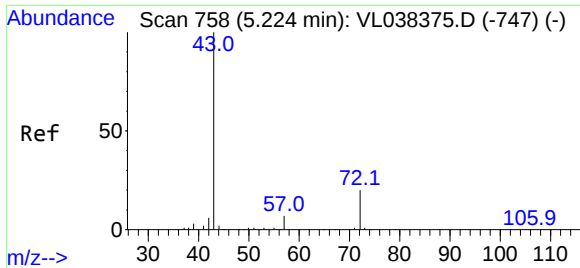
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 1365
Delta R.T. 0.023 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

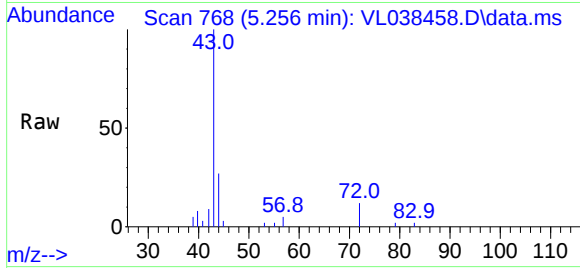
Tgt Ion:114 Resp: 2029925
Ion Ratio Lower Upper
114 100
63 28.0 22.2 33.2
88 19.1 15.2 22.8





#34
2-Butanone
Concen: 0.317 ppbv m
RT: 5.256 min Scan# 701
Delta R.T. 0.032 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

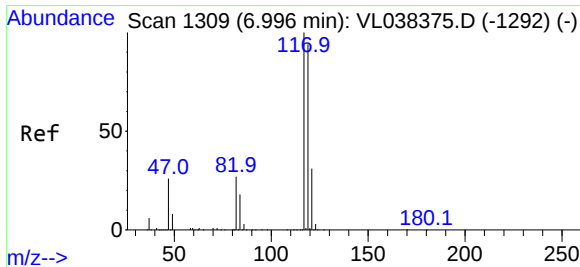
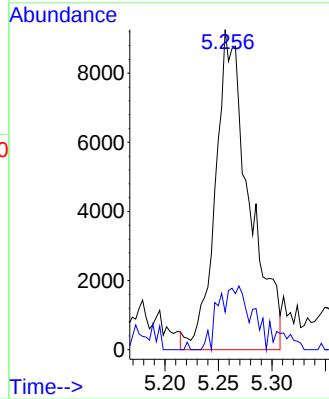
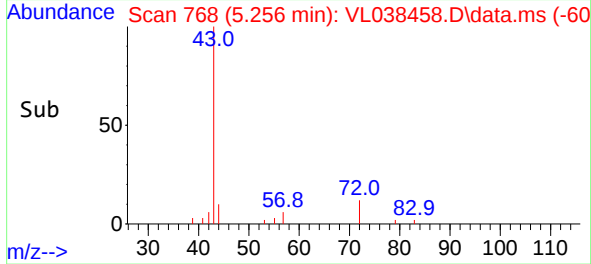
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 2021
Ion Ratio Lower Upper
43 100
72 5.2 17.4 26.2

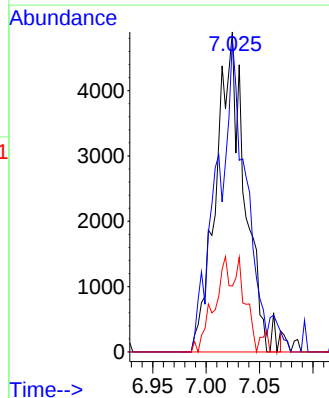
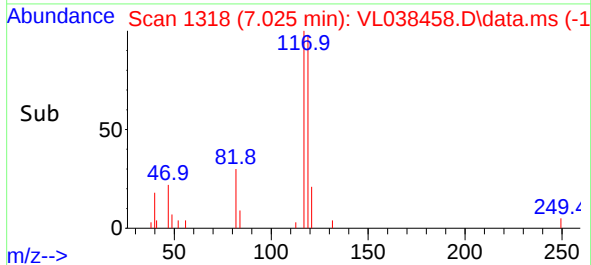
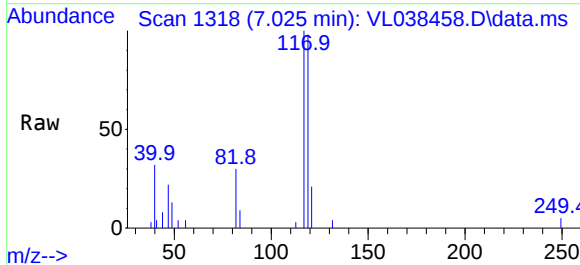
Manual Integrations
APPROVED

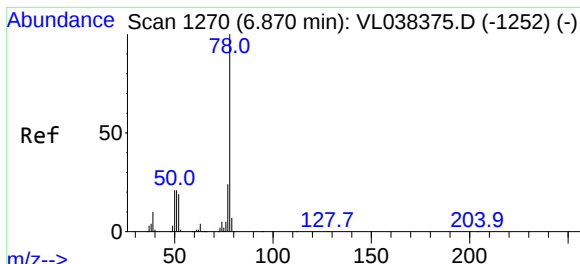
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 7.025 min Scan# 1318
Delta R.T. 0.029 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

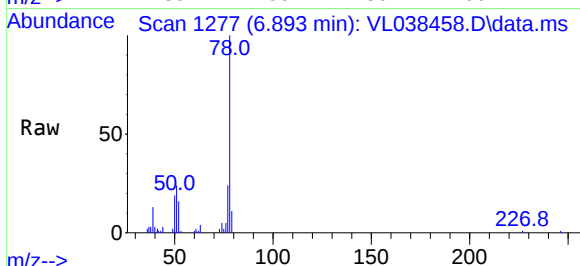
Tgt Ion:117 Resp: 9197
Ion Ratio Lower Upper
117 100
119 97.7 74.9 112.3
121 20.6 24.8 37.2





#36
Benzene
Concen: 0.272 ppbv
RT: 6.893 min Scan# 11
Delta R.T. 0.023 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

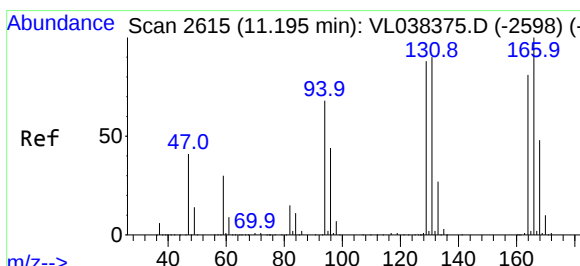
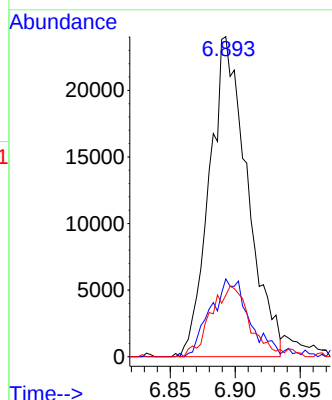
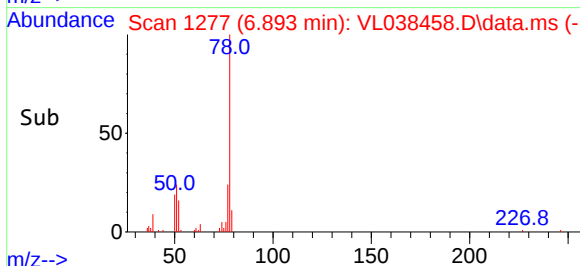
Instrument :
MSVOA_L
ClientSampleId :
OA1



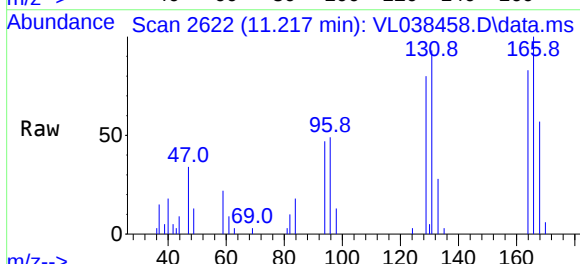
Tgt Ion: 78 Resp: 4857
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6
50 19.2 16.6 24.8

Manual Integrations
APPROVED

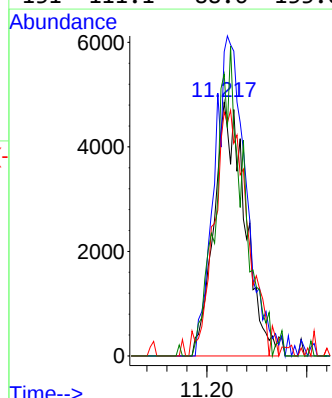
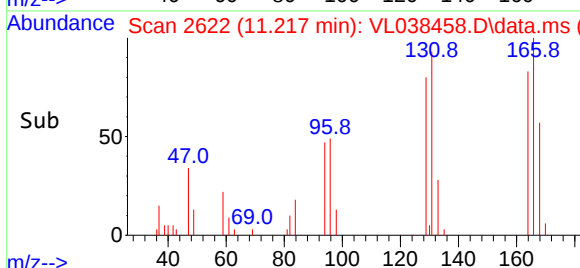
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022

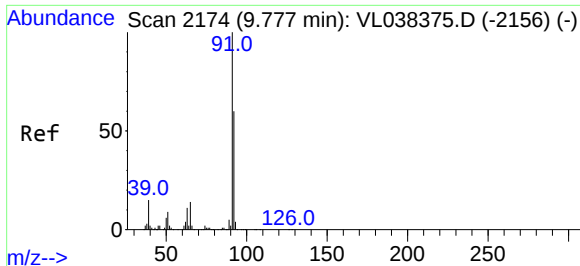


#52
Tetrachloroethene
Concen: 0.178 ppbv m
RT: 11.217 min Scan# 2622
Delta R.T. 0.023 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50



Tgt Ion:164 Resp: 10577
Ion Ratio Lower Upper
164 100
166 119.9 98.6 148.0
129 96.2 86.9 130.3
131 111.1 88.6 133.0





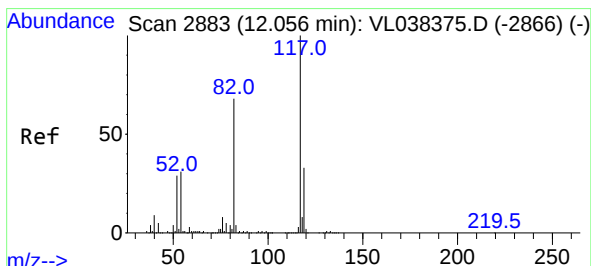
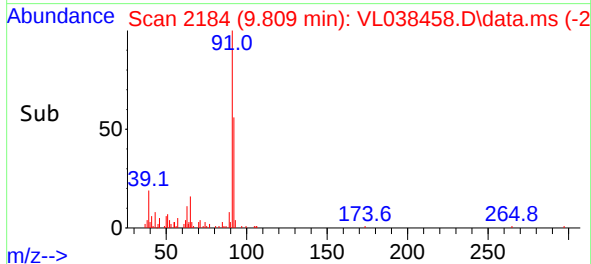
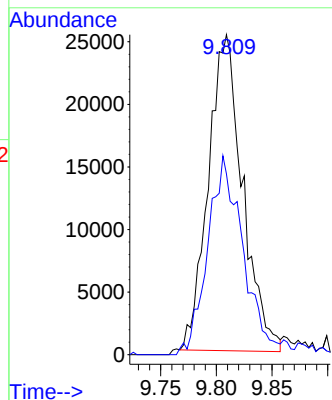
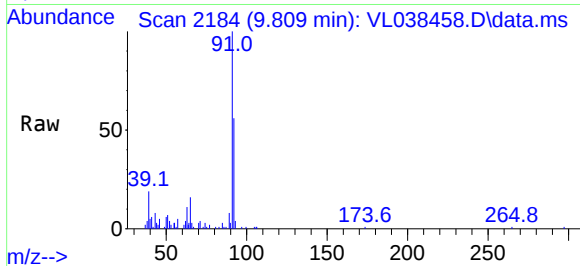
#53
Toluene
Concen: 0.279 ppbv
RT: 9.809 min Scan# 2174
Delta R.T. 0.032 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 5421
Ion Ratio Lower Upper
91 100
92 65.0 48.2 72.4

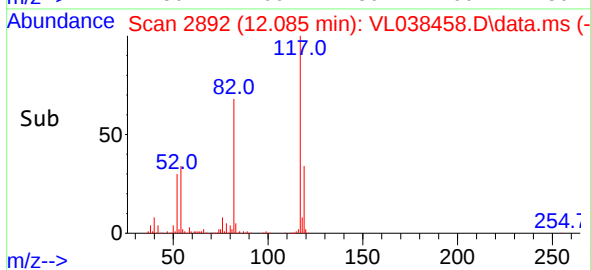
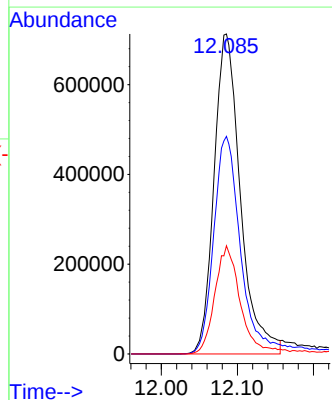
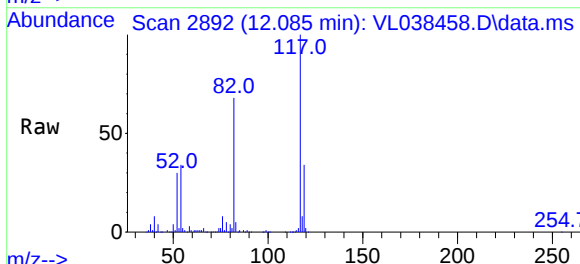
Manual Integrations
APPROVED

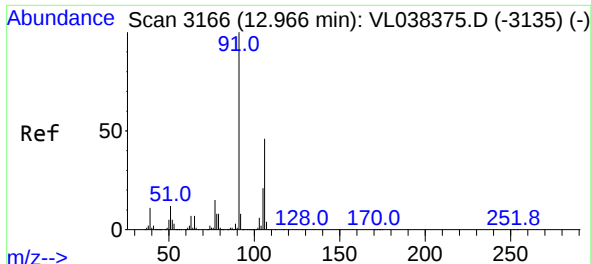
Reviewed By :Semsettin Yesilyurt 03/02/2022
Supervised By :Mahesh Dadoda 03/02/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.085 min Scan# 2892
Delta R.T. 0.029 min
Lab File: VL038458.D
Acq: 1 Mar 2022 19:50

Tgt Ion:117 Resp: 1717657
Ion Ratio Lower Upper
117 100
82 74.1 54.9 82.3
119 34.5 46.1 69.1#





#59

m/p-Xylene

Concen: 0.121 ppbv

RT: 12.976 min Scan# 3166

Delta R.T. 0.010 min

Lab File: VL038458.D

Acq: 1 Mar 2022 19:50

Instrument :

MSVOA_L

ClientSampleId :

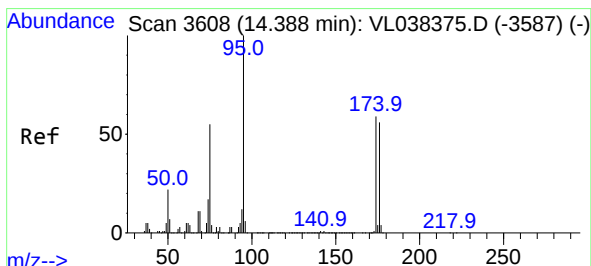
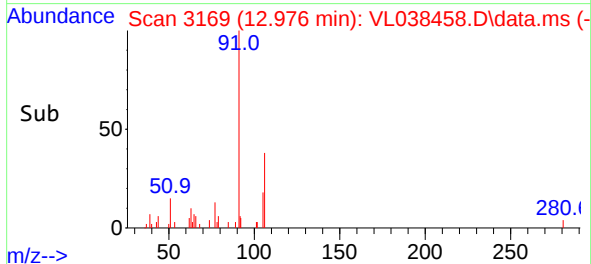
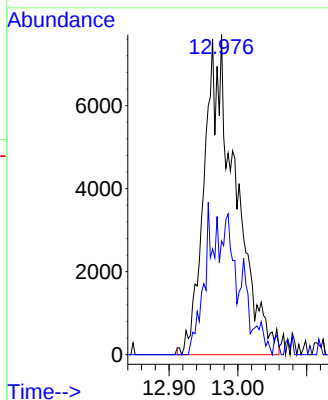
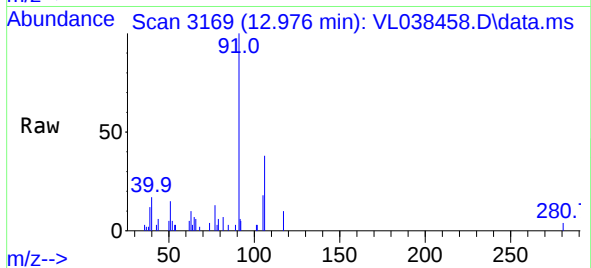
OA1

Tgt Ion: 91 Resp: 24404
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.4 51.6

Manual Integrations

APPROVED

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



#68

1-Bromo-4-Fluorobenzene

Concen: 9.306 ppbv

RT: 14.413 min Scan# 3616

Delta R.T. 0.026 min

Lab File: VL038458.D

Acq: 1 Mar 2022 19:50

Tgt Ion: 95 Resp: 1322651
 Ion Ratio Lower Upper
 95 100
 174 63.8 49.0 73.4
 175 4.6 3.6 5.4

