

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040522\
 Data File : VL038829.D
 Acq On : 6 Apr 2022 11:47
 Operator : SY/AP
 Sample : N2235-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/07/2022
 Supervised By : Mahesh Dadoda 04/07/2022

Quant Time: Apr 07 03:12:34 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 06 06:12:53 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.681	49	1438742	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.185	114	3634593	10.000	ppbv	0.01
55) Chlorobenzene-d5	12.098	117	3152901	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.426	95	2520807	10.540	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.063	85	135125	0.662	ppbv	100
3) Chlorodifluoromethane	2.999	51	69298m	0.395	ppbv	
4) Chloromethane	3.157	50	49146m	0.541	ppbv	
9) Propene	3.034	41	64529m	0.695	ppbv	
11) Trichlorofluoromethane	3.970	101	37439m	0.228	ppbv	
13) Ethanol	3.616	45	182766m	32.373	ppbv	
15) Acetone	3.864	43	304410	2.125	ppbv	96
19) Isopropyl Alcohol	3.996	45	60855m	0.831	ppbv	
20) Methylene Chloride	4.359	84	256129	4.930	ppbv	99
26) Hexane	5.700	57	247889	1.498	ppbv #	39
34) 2-Butanone	5.272	43	34135m	0.238	ppbv	
35) Carbon Tetrachloride	7.025	117	14827m	0.068	ppbv	
36) Benzene	6.902	78	70984	0.215	ppbv	94
52) Tetrachloroethene	11.230	164	48812m	0.423	ppbv	
53) Toluene	9.815	91	177469	0.465	ppbv	97
59) m/p-Xylene	12.973	91	52484m	0.133	ppbv	

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

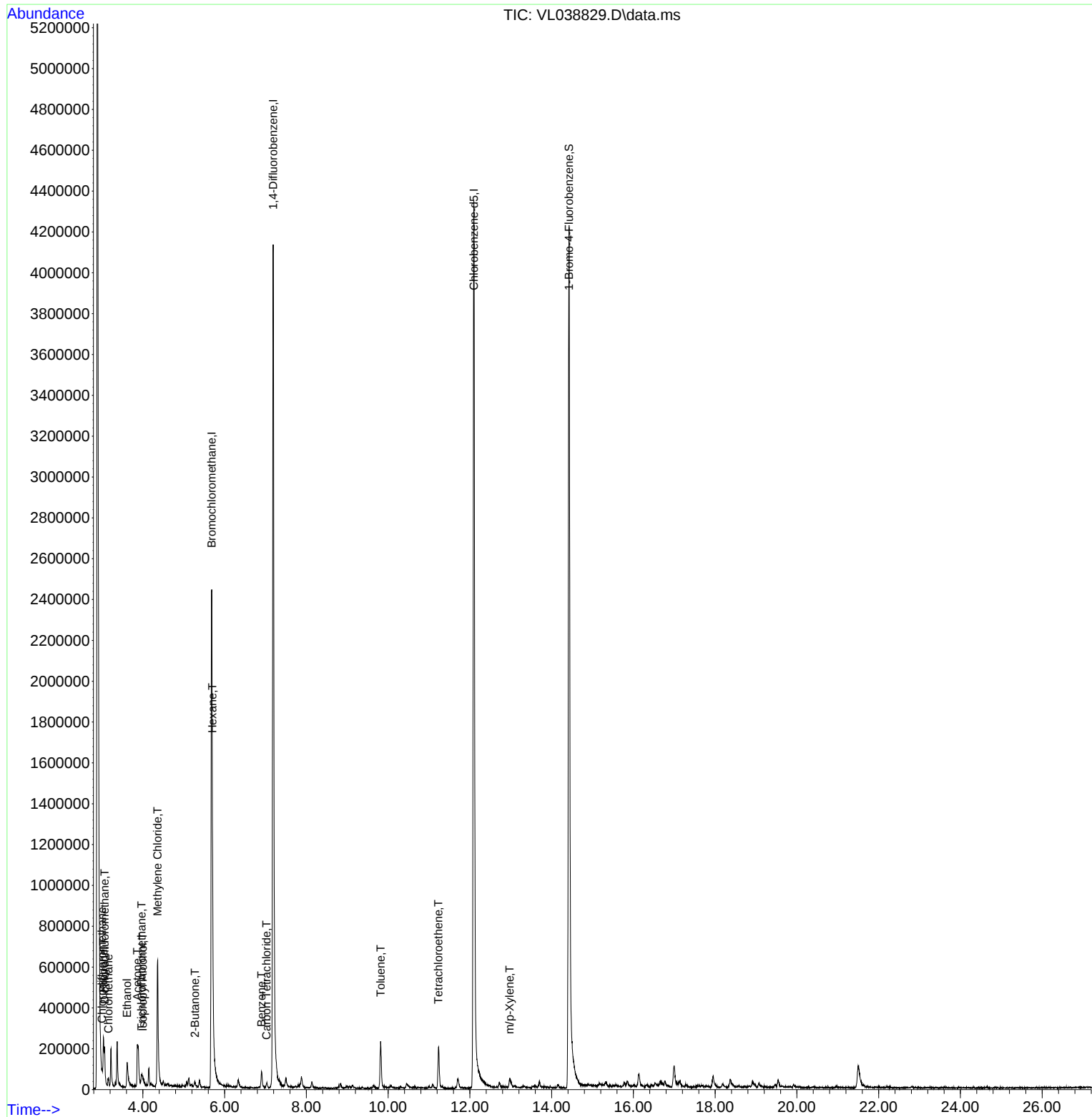
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040522\
Data File : VL038829.D
Acq On : 6 Apr 2022 11:47
Operator : SY/AP
Sample : N2235-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

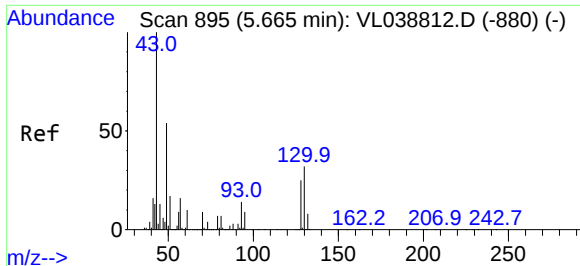
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Apr 07 03:12:34 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

Manual Integrations
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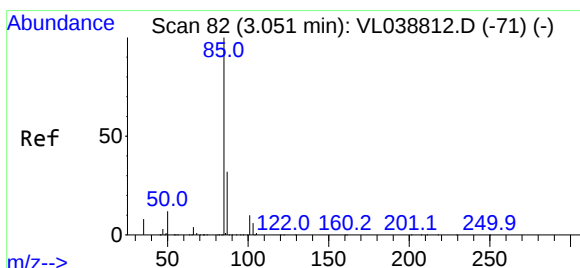
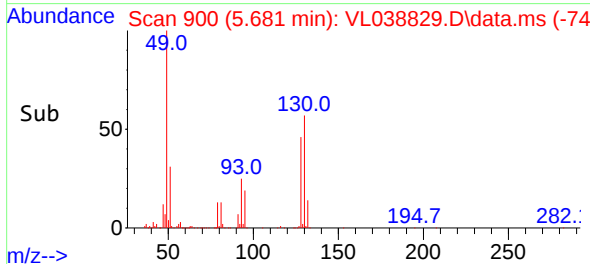
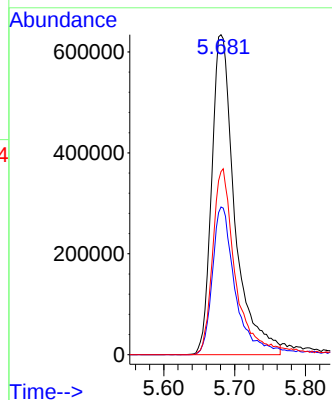
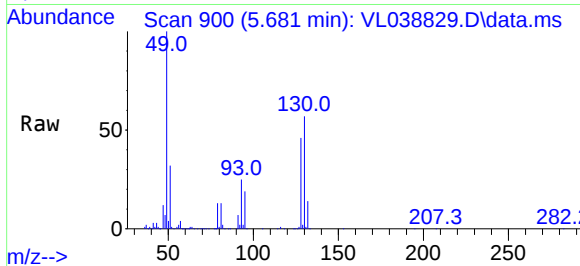
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.681 min Scan# 90
Delta R.T. 0.016 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 143874
Ion Ratio Lower Upper
49 100
128 47.5 24.1 72.3
130 59.8 30.9 92.8

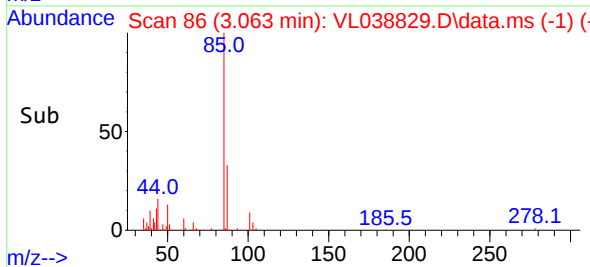
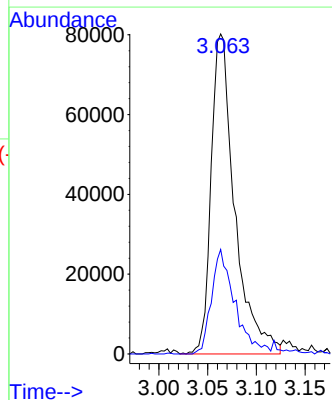
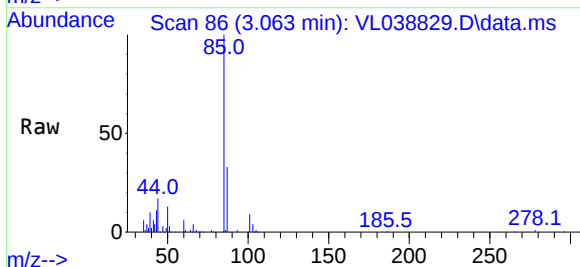
Manual Integrations
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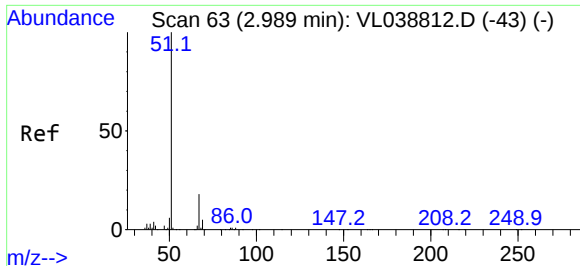
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022



#2
Dichlorodifluoromethane
Concen: 0.662 ppbv
RT: 3.063 min Scan# 86
Delta R.T. 0.013 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47

Tgt Ion: 85 Resp: 135125
Ion Ratio Lower Upper
85 100
87 32.7 25.9 38.9





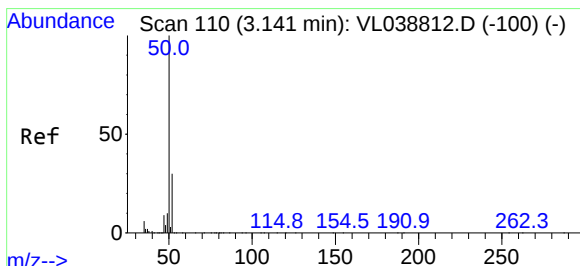
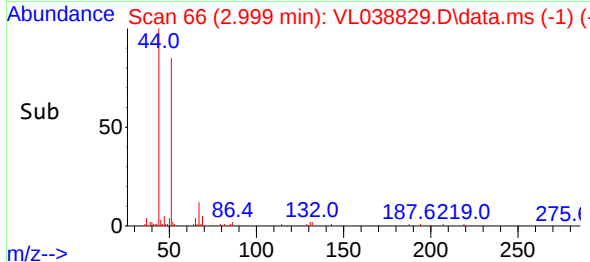
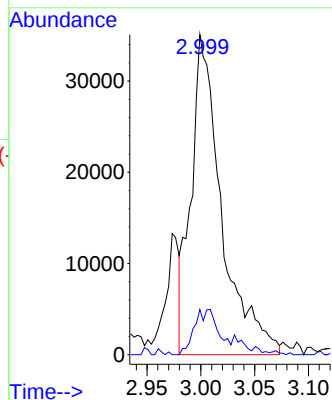
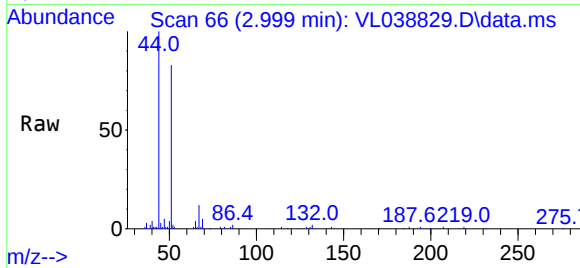
#3
Chlorodifluoromethane
Concen: 0.395 ppbv m
RT: 2.999 min Scan# 60
Delta R.T. 0.010 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 69298
Ion Ratio Lower Upper
51 100
67 14.7 13.4 20.0

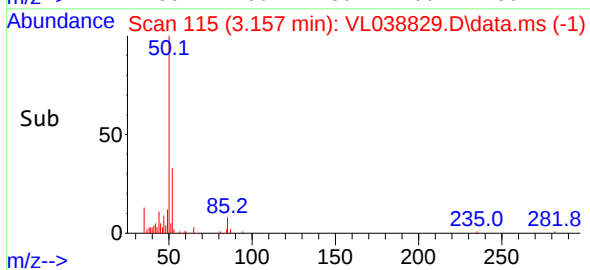
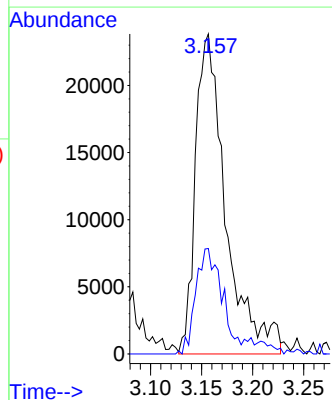
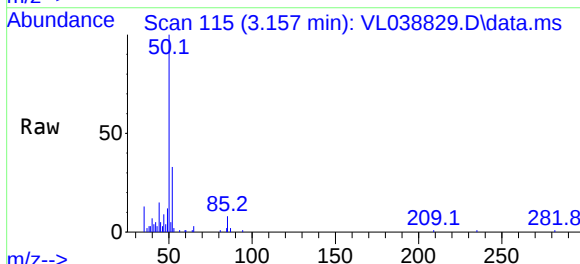
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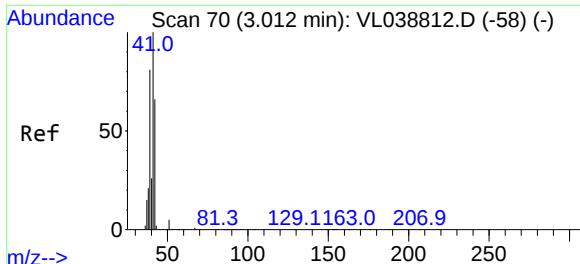
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022



#4
Chloromethane
Concen: 0.541 ppbv m
RT: 3.157 min Scan# 115
Delta R.T. 0.016 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47

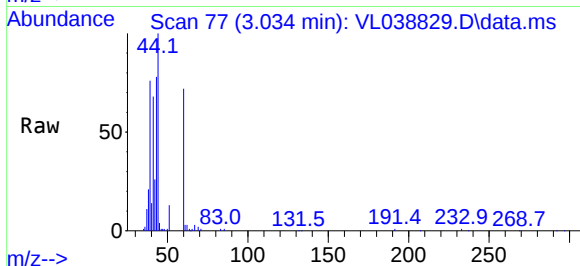
Tgt Ion: 50 Resp: 49146
Ion Ratio Lower Upper
50 100
52 32.9 24.3 36.5





#9
Propene
Concen: 0.695 ppbv m
RT: 3.034 min Scan# 71
Delta R.T. 0.022 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47

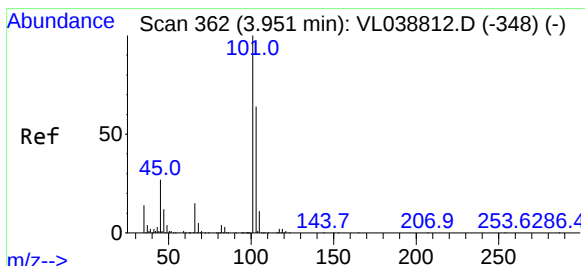
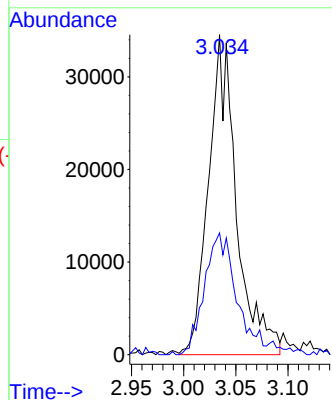
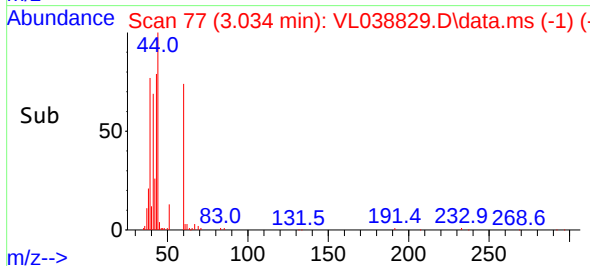
Instrument :
MSVOA_L
ClientSampleId :
OA1



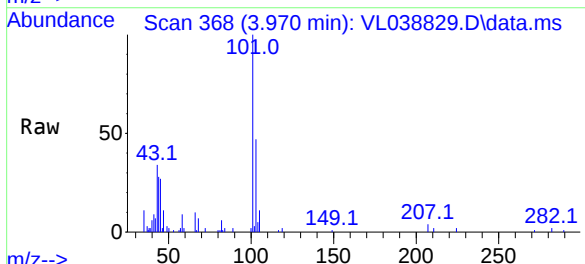
Tgt Ion: 41 Resp: 64529
Ion Ratio Lower Upper
41 100
42 45.6 54.2 81.4

Manual Integrations
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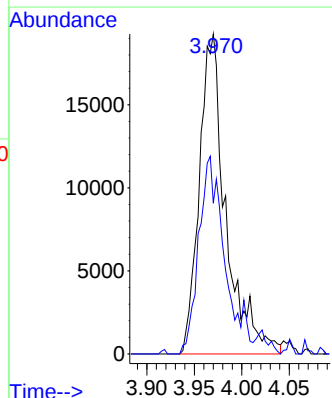
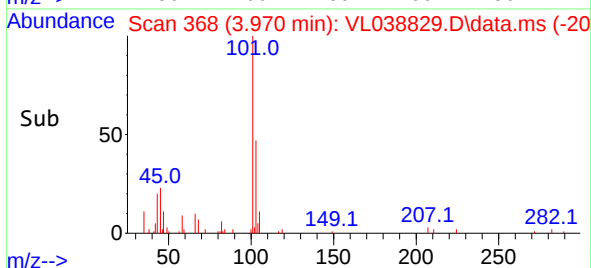
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022

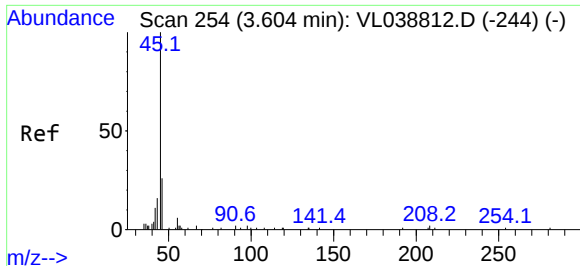


#11
Trichlorofluoromethane
Concen: 0.228 ppbv m
RT: 3.970 min Scan# 368
Delta R.T. 0.019 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47



Tgt Ion:101 Resp: 37439
Ion Ratio Lower Upper
101 100
103 47.1 51.4 77.0





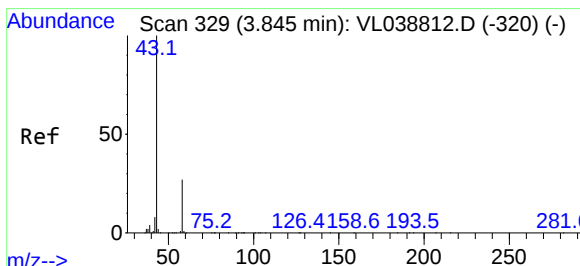
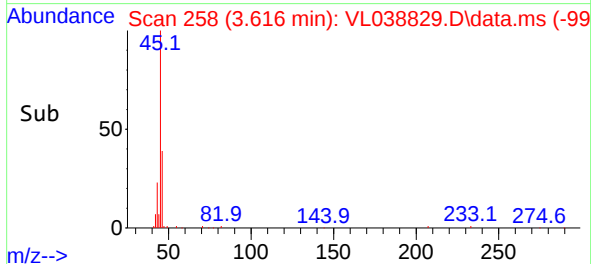
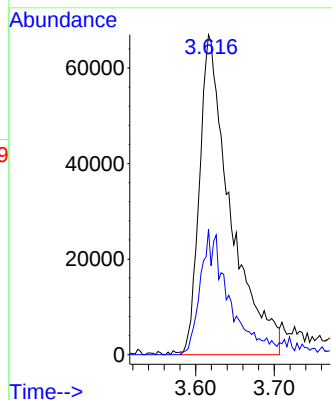
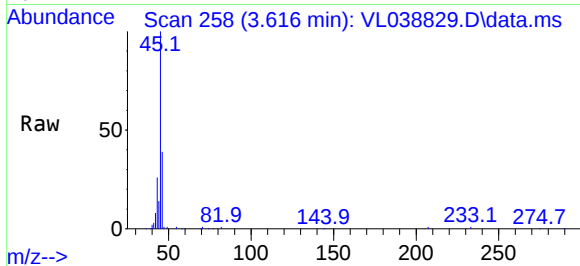
#13
Ethanol
Concen: 32.373 ppbv m
RT: 3.616 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 182760
Ion Ratio Lower Upper
45 100
46 36.2 0.0 0.0

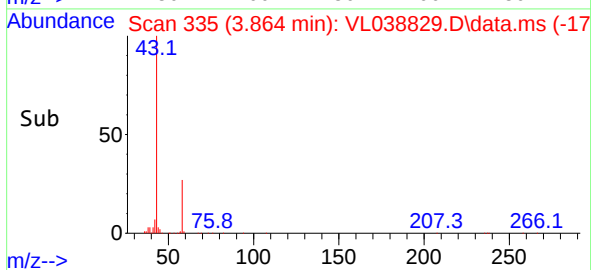
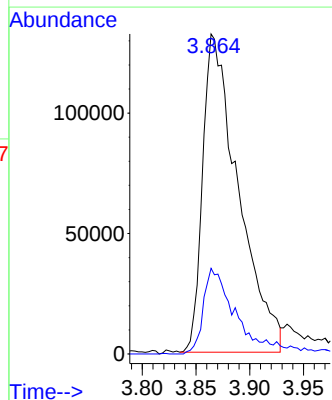
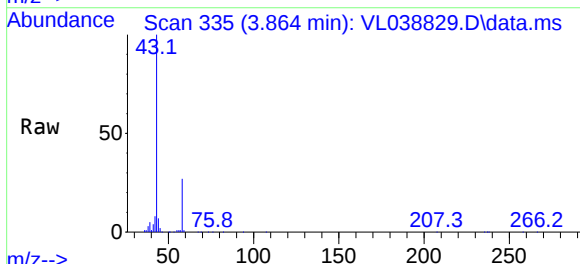
Manual Integrations
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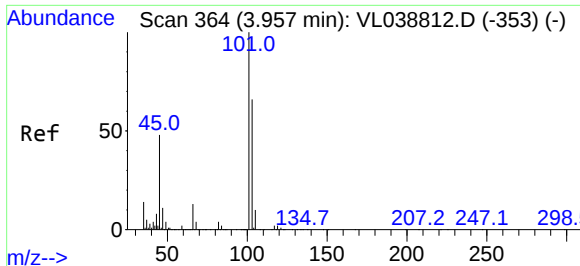
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022



#15
Acetone
Concen: 2.125 ppbv
RT: 3.864 min Scan# 335
Delta R.T. 0.019 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47

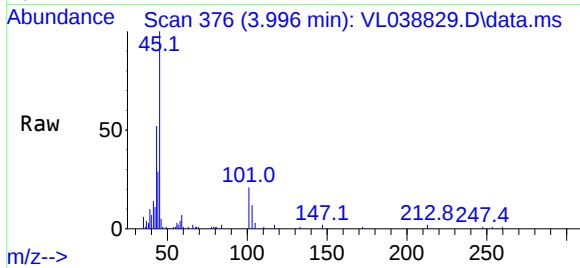
Tgt Ion: 43 Resp: 304410
Ion Ratio Lower Upper
43 100
58 25.8 22.5 33.7





#19
Isopropyl Alcohol
Concen: 0.831 ppbv m
RT: 3.996 min Scan# 31
Delta R.T. 0.038 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47

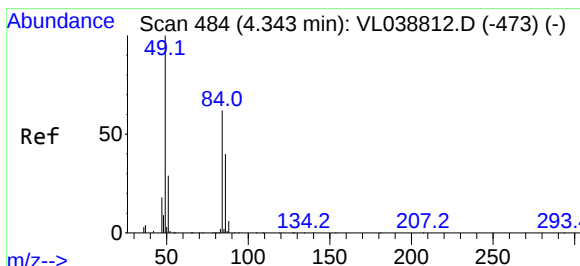
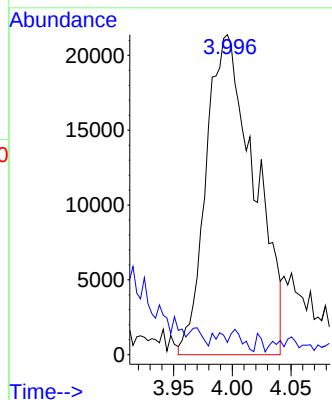
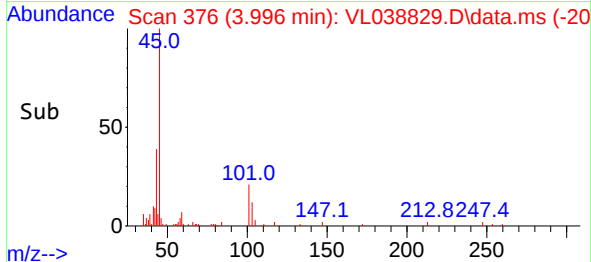
Instrument :
MSVOA_L
ClientSampleId :
OA1



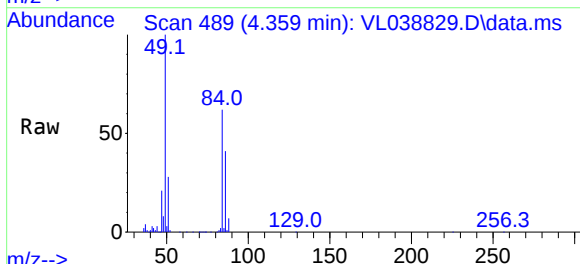
Tgt Ion: 45 Resp: 6085
Ion Ratio Lower Upper
45 100
58 4.9 0.0 0.0

Manual Integrations
APPROVED

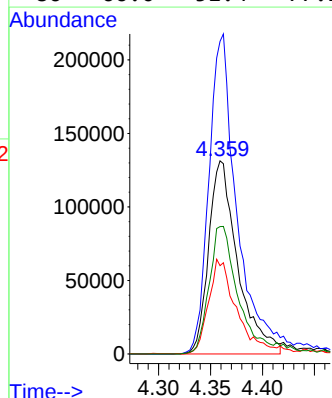
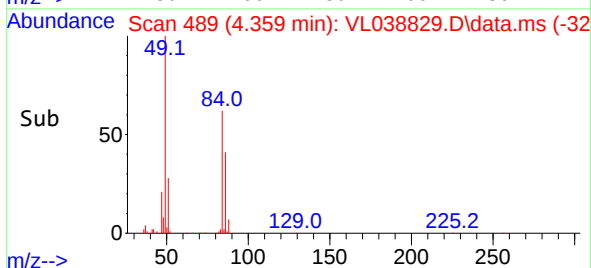
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022

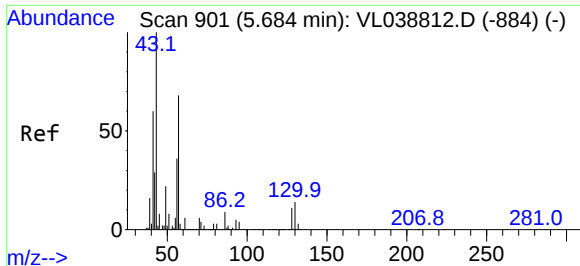


#20
Methylene Chloride
Concen: 4.930 ppbv
RT: 4.359 min Scan# 489
Delta R.T. 0.016 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47



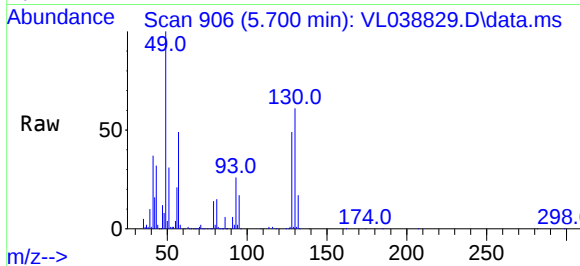
Tgt Ion: 84 Resp: 256129
Ion Ratio Lower Upper
84 100
49 161.8 129.4 194.0
51 45.5 37.4 56.2
86 66.0 51.4 77.2





#26
Hexane
Concen: 1.498 ppbv
RT: 5.700 min Scan# 901
Delta R.T. 0.016 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47

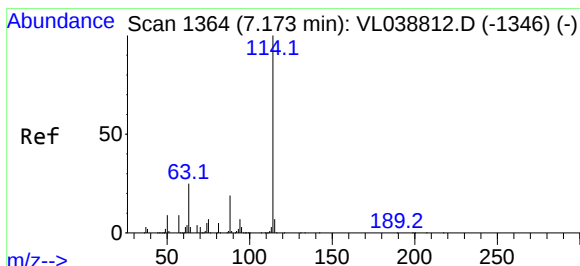
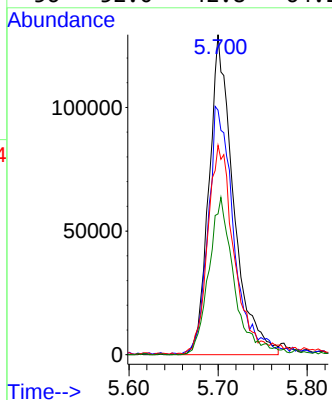
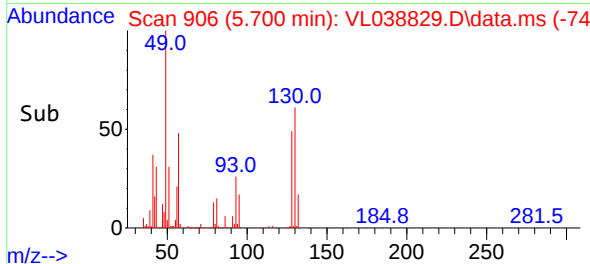
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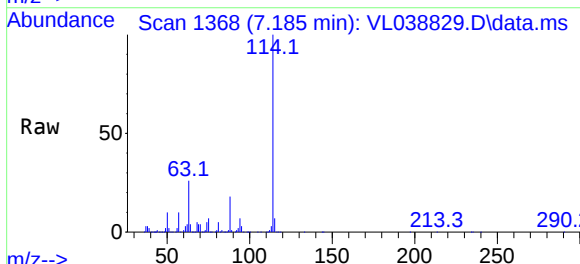
Tgt Ion: 57 Resp: 247889
Ion Ratio Lower Upper
57 100
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43 74.8 186.6 280.0
56 52.0 42.8 64.2

Manual Integrations
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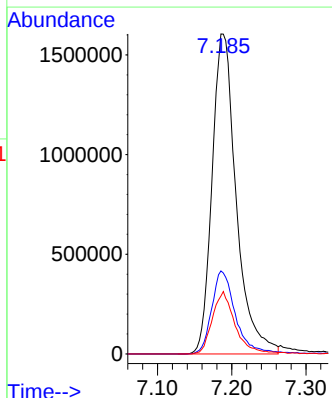
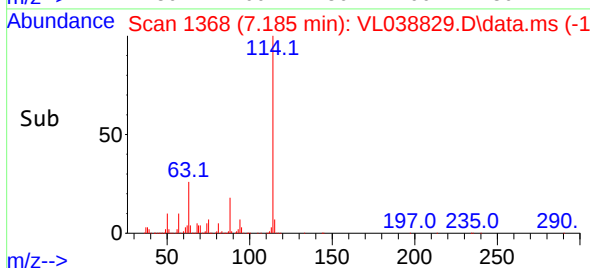
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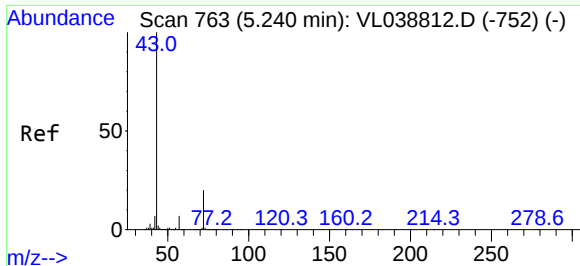


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.185 min Scan# 1368
Delta R.T. 0.013 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47



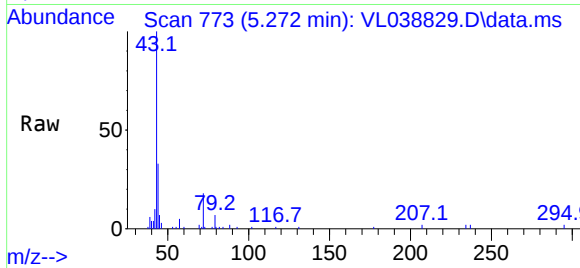
Tgt Ion:114 Resp: 3634593
Ion Ratio Lower Upper
114 100
63 26.0 19.8 29.8
88 18.7 14.2 21.4





#34
2-Butanone
Concen: 0.238 ppbv m
RT: 5.272 min Scan# 71
Delta R.T. 0.032 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47

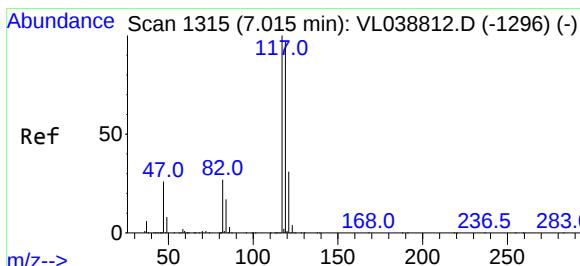
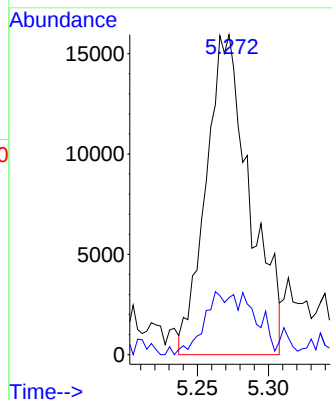
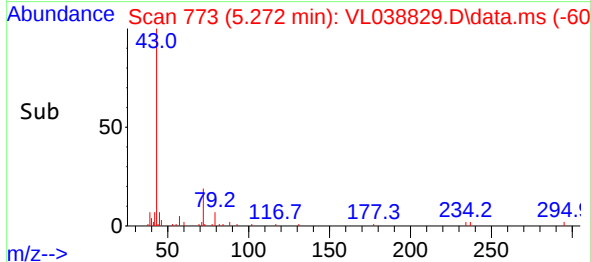
Instrument :
MSVOA_L
ClientSampleId :
OA1



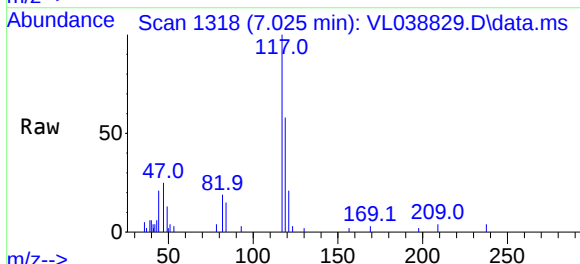
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Ion Ratio Lower Upper
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72 24.5 16.9 25.3

Manual Integrations
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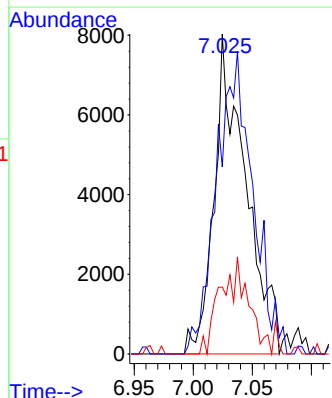
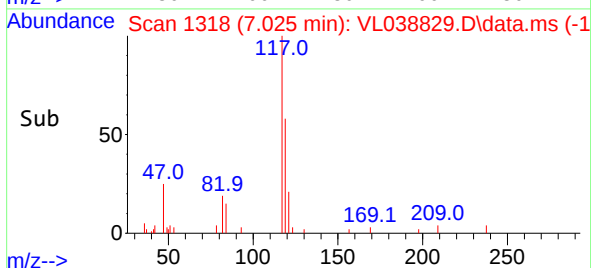
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022

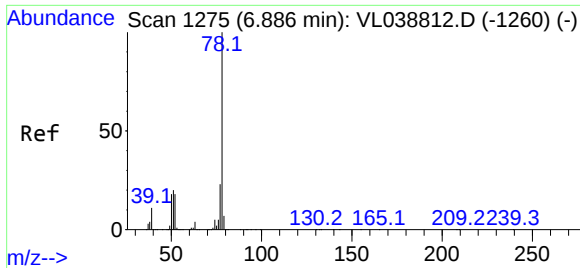


#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 7.025 min Scan# 1318
Delta R.T. 0.010 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47



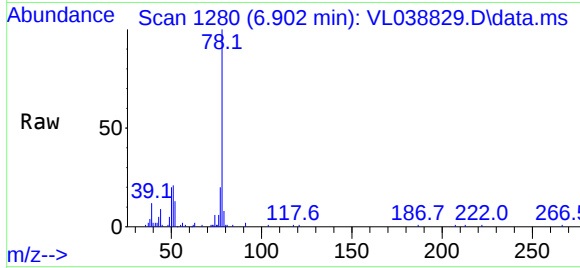
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Ion Ratio Lower Upper
117 100
119 58.5 77.7 116.5#
121 20.9 24.5 36.7#





#36
Benzene
Concen: 0.215 ppbv
RT: 6.902 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47

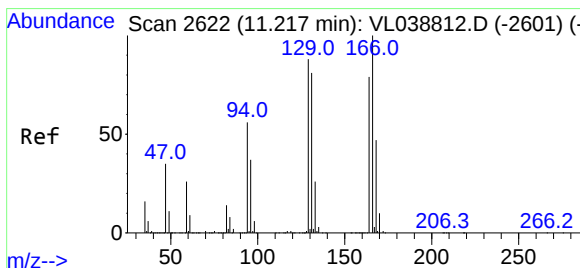
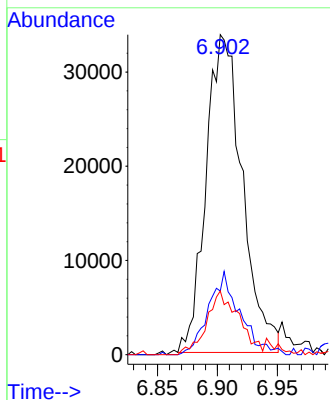
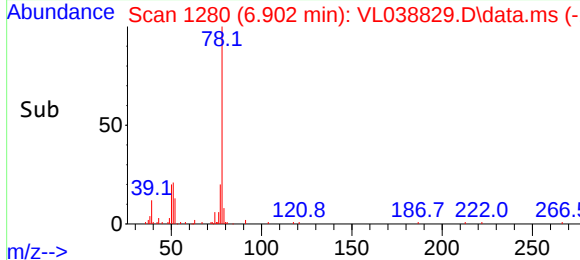
Instrument :
MSVOA_L
ClientSampleId :
OA1



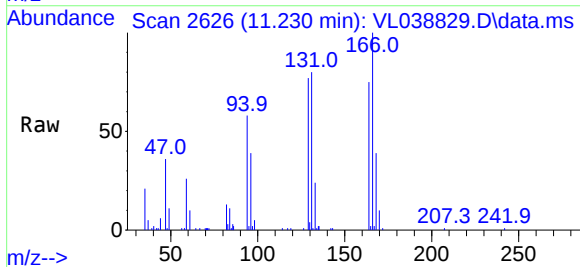
Tgt Ion: 78 Resp: 70984
Ion Ratio Lower Upper
78 100
77 20.0 18.2 27.2
50 20.0 14.0 21.0

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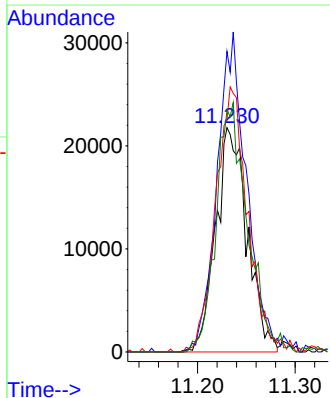
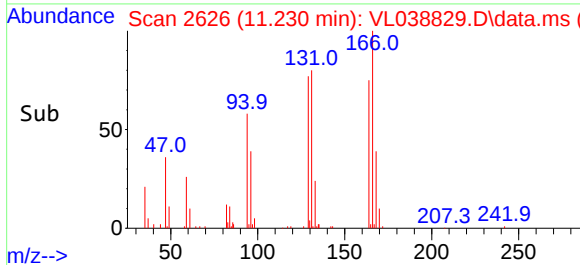
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022

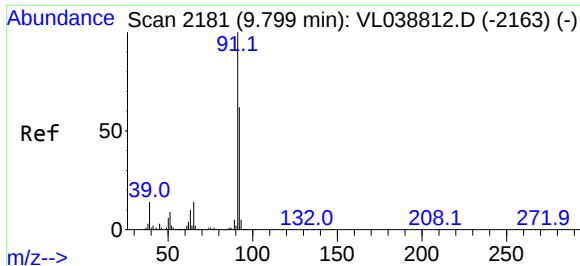


#52
Tetrachloroethene
Concen: 0.423 ppbv m
RT: 11.230 min Scan# 2626
Delta R.T. 0.013 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47



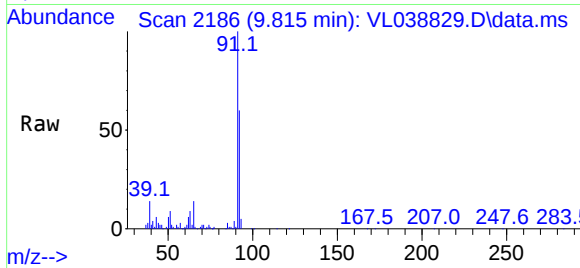
Tgt Ion:164 Resp: 48812
Ion Ratio Lower Upper
164 100
166 134.0 101.0 151.6
129 103.7 88.7 133.1
131 107.8 81.8 122.6





#53
Toluene
Concen: 0.465 ppbv
RT: 9.815 min Scan# 2181
Delta R.T. 0.016 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47

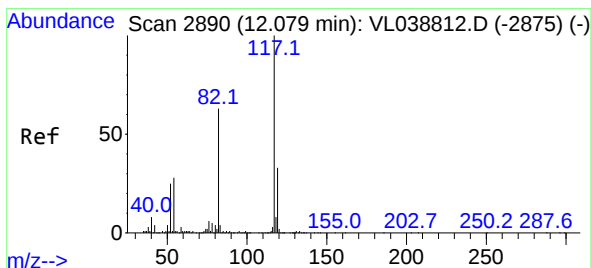
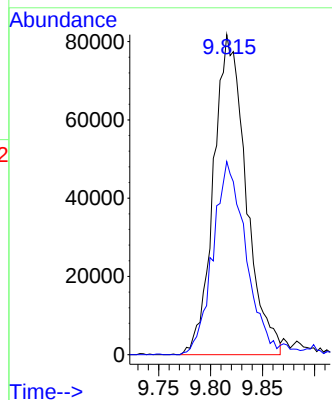
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 91 Resp: 177469
Ion Ratio Lower Upper
91 100
92 63.8 49.2 73.8

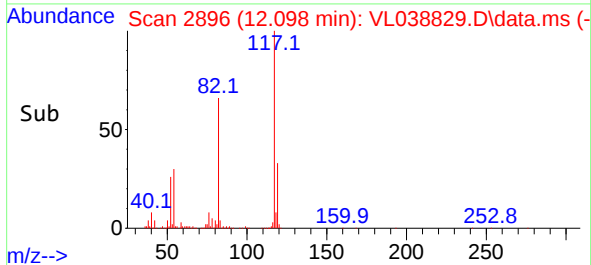
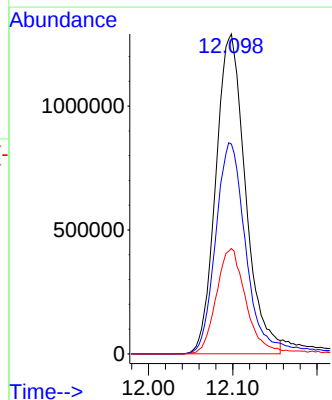
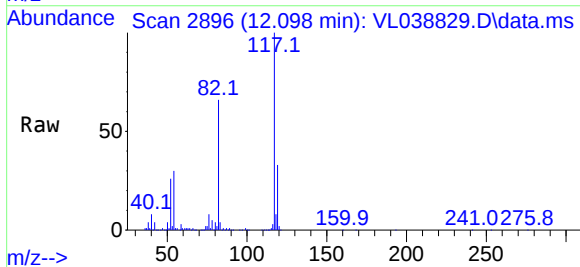
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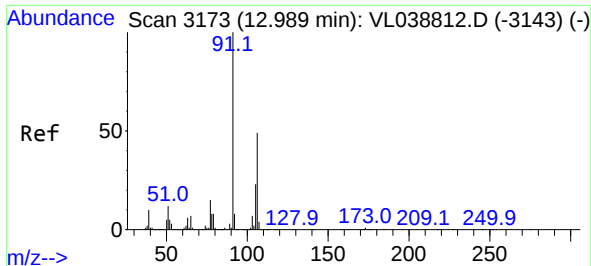
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.098 min Scan# 2896
Delta R.T. 0.019 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47

Tgt Ion:117 Resp: 3152901
Ion Ratio Lower Upper
117 100
82 70.2 53.0 79.6
119 34.3 24.9 37.3





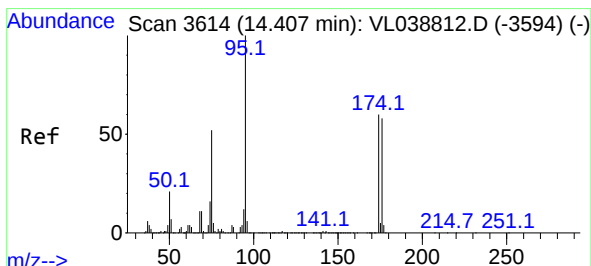
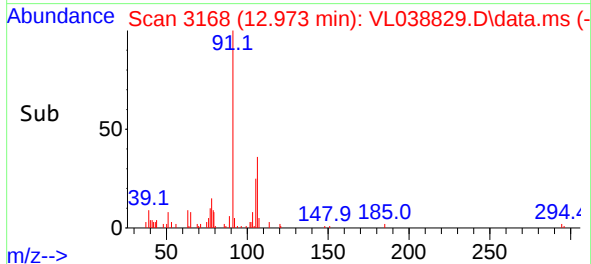
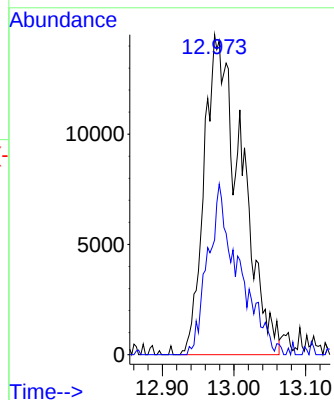
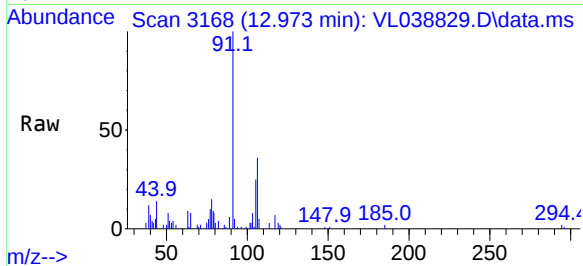
#59
m/p-Xylene
Concen: 0.133 ppbv m
RT: 12.973 min Scan# 3173
Delta R.T. -0.016 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 52484
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.540 ppbv
RT: 14.426 min Scan# 3620
Delta R.T. 0.019 min
Lab File: VL038829.D
Acq: 6 Apr 2022 11:47

Tgt Ion: 95 Resp: 2520807
Ion Ratio Lower Upper
95 100
174 62.3 52.0 78.0
175 4.5 4.0 6.0

