

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040522\
 Data File : VL038828.D
 Acq On : 6 Apr 2022 11:06
 Operator : SY/AP
 Sample : N2235-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

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

Quant Time: Apr 07 03:12:19 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 07 03:12:19 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	5.680	49	1417577	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.185	114	3637292	10.000	ppbv	0.01
55) Chlorobenzene-d5	12.095	117	3159901	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.423	95	2474955	10.326	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.300%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.060	85	124916	0.621	ppbv	99
3) Chlorodifluoromethane	3.002	51	62708m	0.362	ppbv	
4) Chloromethane	3.156	50	48348m	0.540	ppbv	
9) Propene	3.034	41	74631m	0.815	ppbv	
11) Trichlorofluoromethane	3.963	101	37284	0.231	ppbv	85
13) Ethanol	3.613	45	399753	71.865	ppbv #	100
15) Acetone	3.861	43	578884	4.102	ppbv	98
19) Isopropyl Alcohol	3.983	45	167459	2.322	ppbv #	100
20) Methylene Chloride	4.359	84	164530	3.214	ppbv	93
26) Hexane	5.700	57	186684	1.145	ppbv #	53
29) Chloroform	5.767	83	49581	0.217	ppbv	92
34) 2-Butanone	5.259	43	124464	0.866	ppbv	95
35) Carbon Tetrachloride	7.028	117	16882m	0.077	ppbv	
36) Benzene	6.902	78	64739	0.196	ppbv #	90
52) Tetrachloroethene	11.237	164	45145m	0.391	ppbv	
53) Toluene	9.819	91	372670	0.976	ppbv	97
59) m/p-Xylene	12.973	91	98136m	0.247	ppbv	
60) o-Xylene	13.706	91	41148m	0.111	ppbv	
74) 1,2,4-Trimethylbenzene	16.767	105	69696	0.166	ppbv #	73

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

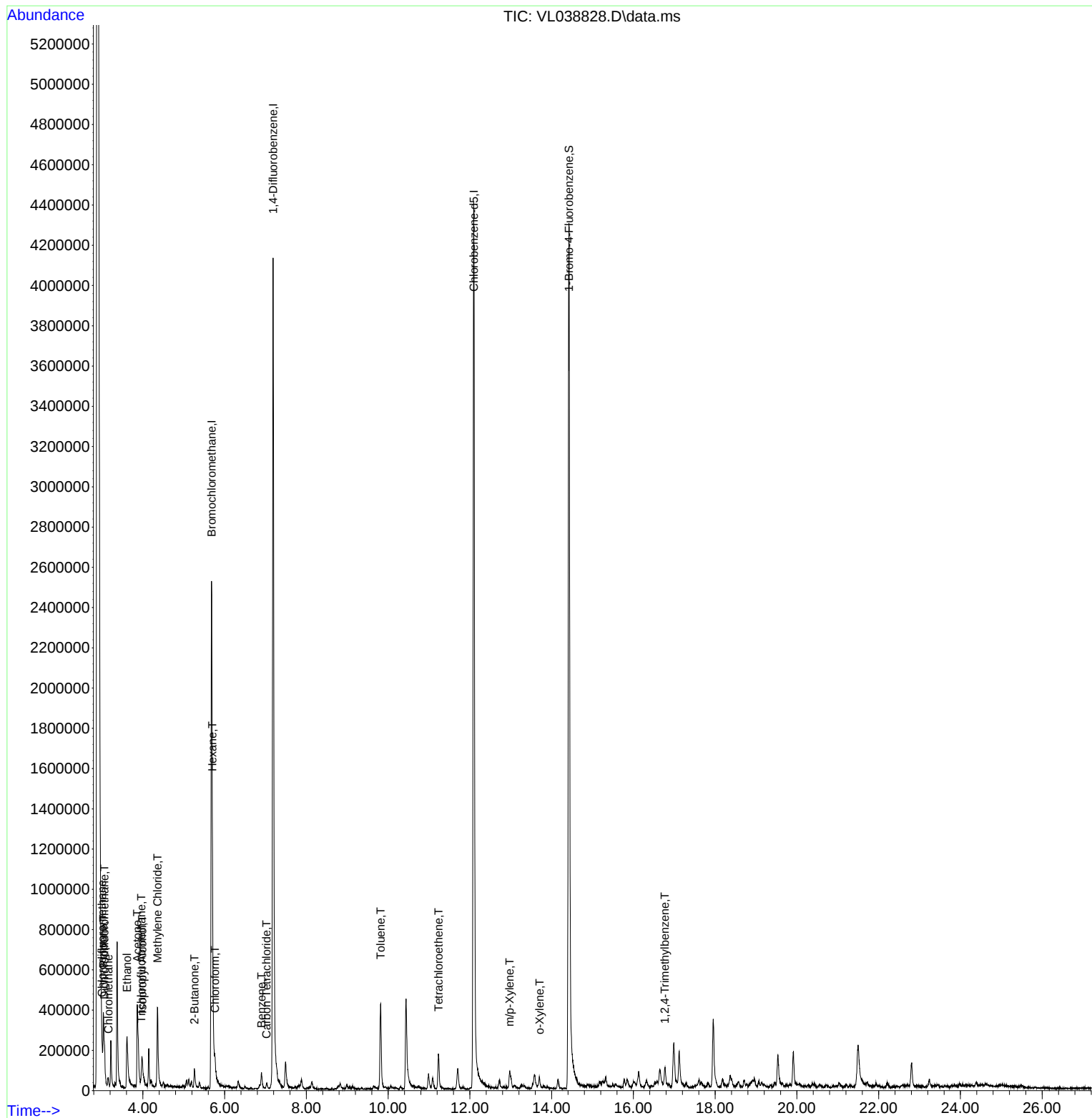
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040522\
Data File : VL038828.D
Acq On : 6 Apr 2022 11:06
Operator : SY/AP
Sample : N2235-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

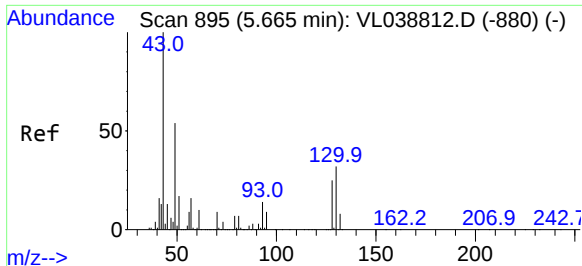
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Apr 07 03:12:19 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
APPROVED

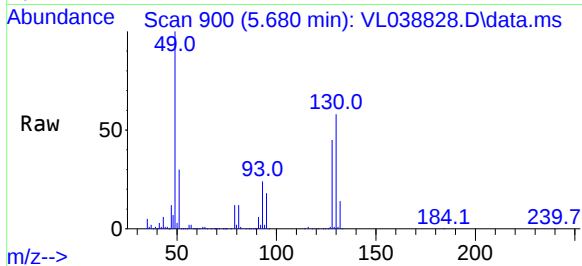
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.680 min Scan# 90
Delta R.T. 0.016 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

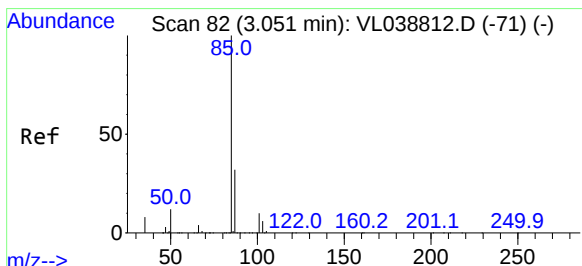
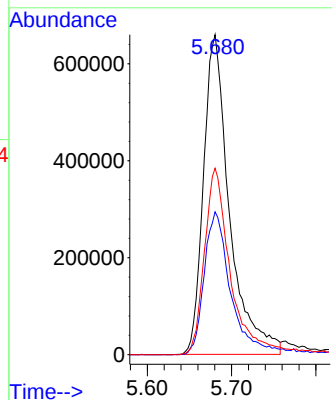
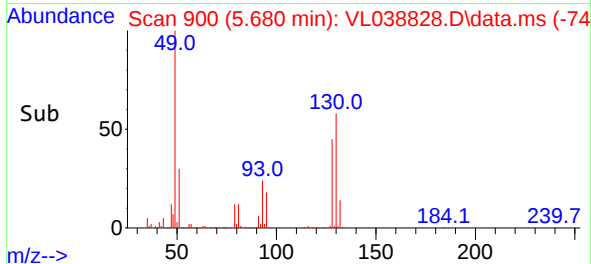
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 141757
Ion Ratio Lower Upper
49 100
128 46.8 24.1 72.3
130 61.0 30.9 92.8

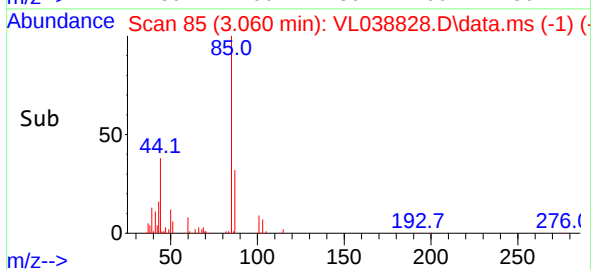
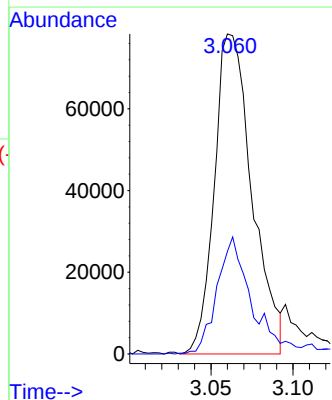
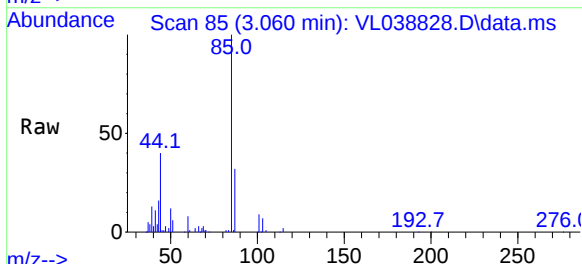
Manual Integrations
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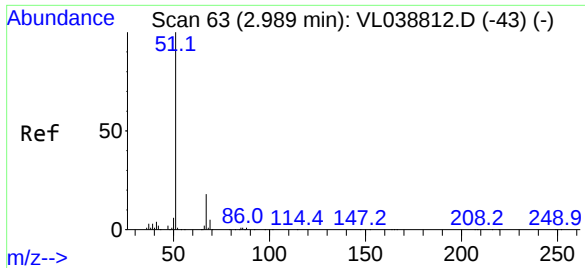
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022



#2
Dichlorodifluoromethane
Concen: 0.621 ppbv
RT: 3.060 min Scan# 85
Delta R.T. 0.009 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

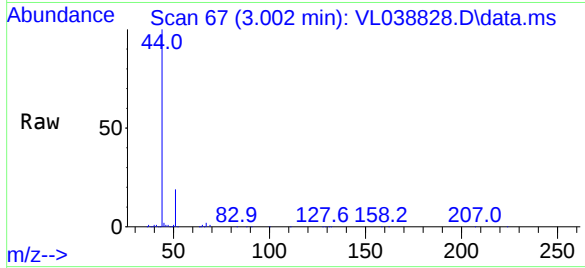
Tgt Ion: 85 Resp: 124916
Ion Ratio Lower Upper
85 100
87 31.7 25.9 38.9





#3
Chlorodifluoromethane
Concen: 0.362 ppbv m
RT: 3.002 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

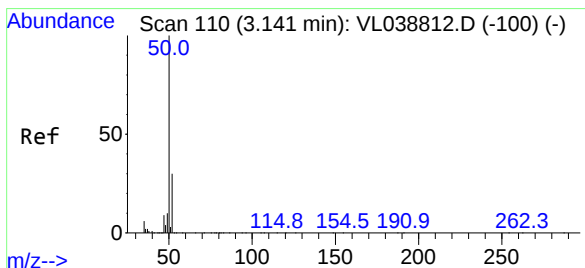
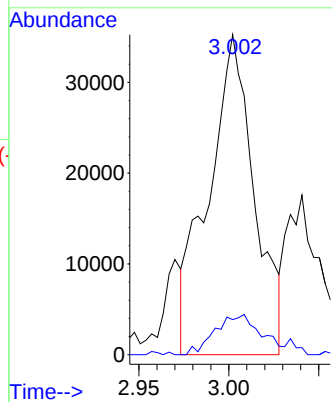
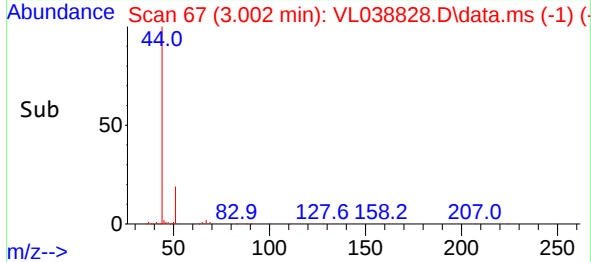
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 51 Resp: 62708
Ion Ratio Lower Upper
51 100
67 14.7 13.4 20.0

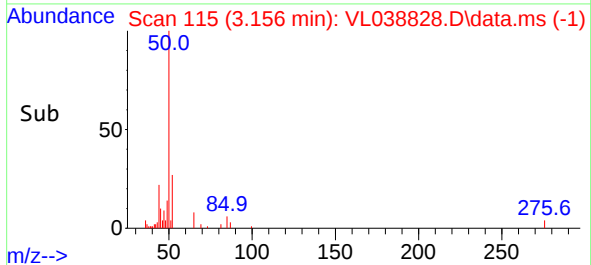
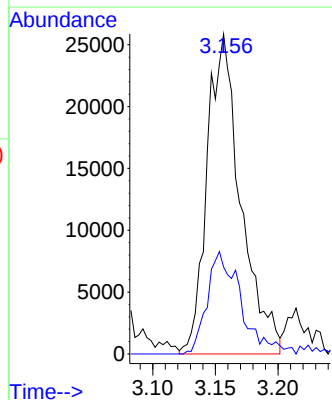
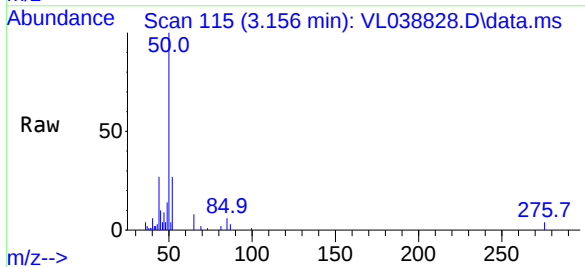
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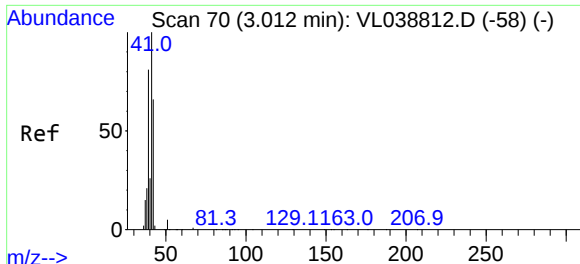
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022



#4
Chloromethane
Concen: 0.540 ppbv m
RT: 3.156 min Scan# 115
Delta R.T. 0.016 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

Tgt Ion: 50 Resp: 48348
Ion Ratio Lower Upper
50 100
52 27.2 24.3 36.5





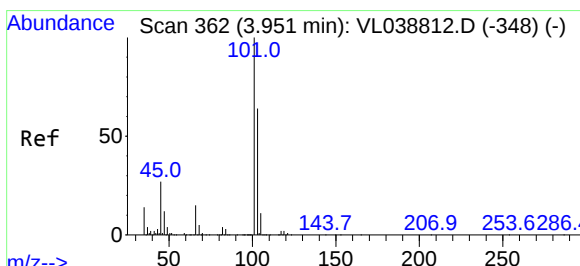
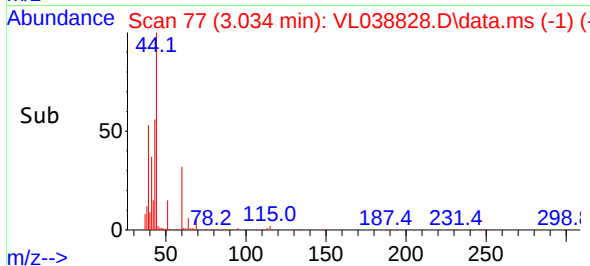
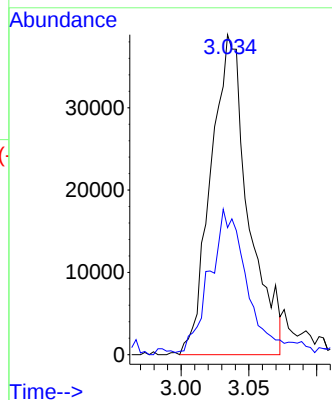
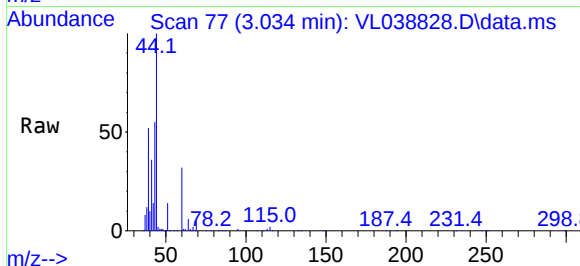
#9
Propene
Concen: 0.815 ppbv m
RT: 3.034 min Scan# 71
Delta R.T. 0.022 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 41 Resp: 7463
Ion Ratio Lower Upper
41 100
42 4.5 54.2 81.4

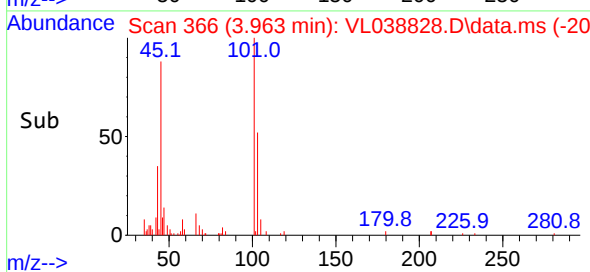
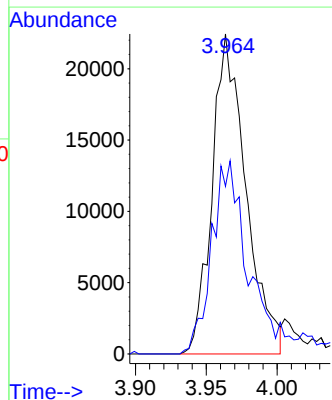
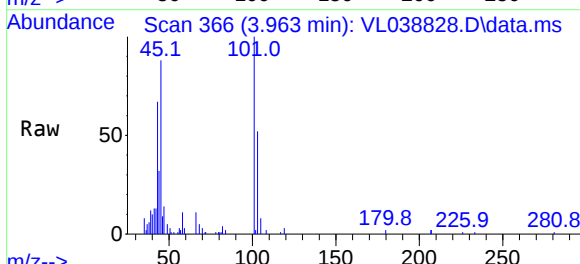
Manual Integrations
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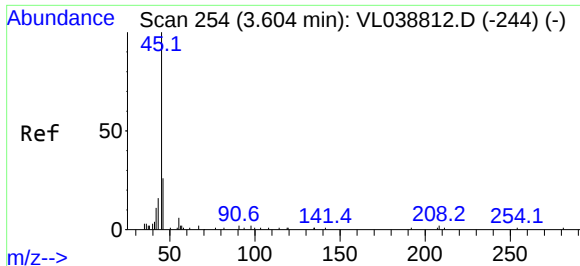
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022



#11
Trichlorofluoromethane
Concen: 0.231 ppbv
RT: 3.963 min Scan# 366
Delta R.T. 0.013 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

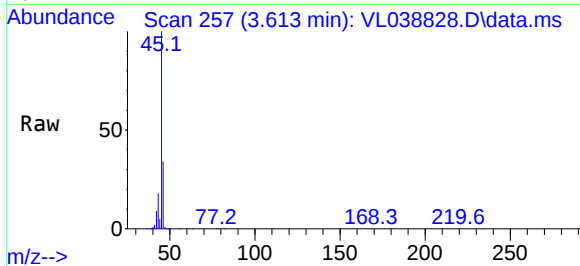
Tgt Ion:101 Resp: 37284
Ion Ratio Lower Upper
101 100
103 52.4 51.4 77.0





#13
Ethanol
Concen: 71.865 ppbv
RT: 3.613 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

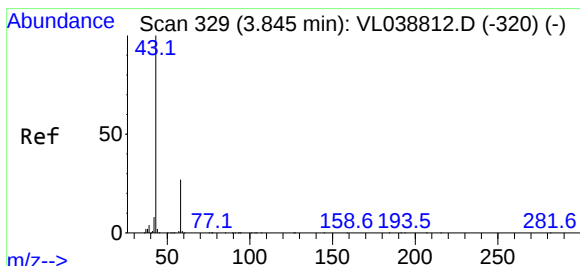
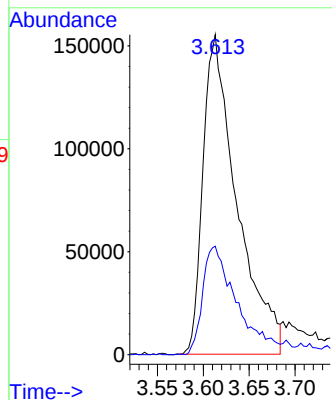
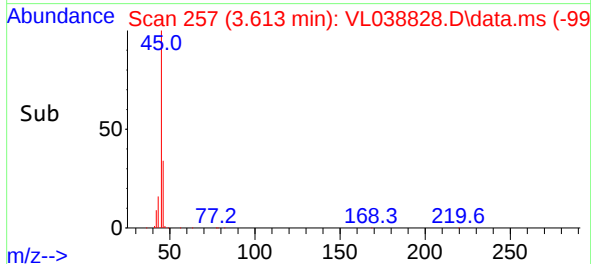
Instrument :
MSVOA_L
ClientSampleId :
IA1



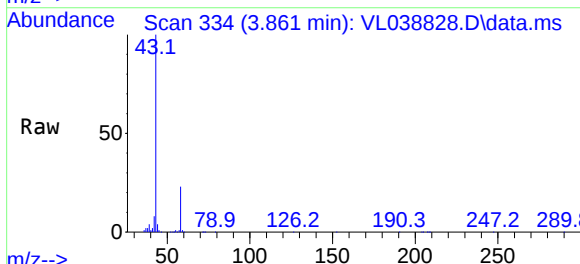
Tgt Ion: 45 Resp: 39975
Ion Ratio Lower Upper
45 100
46 38.4 0.0 0.0

Manual Integrations
APPROVED

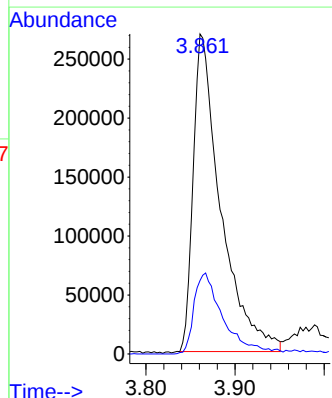
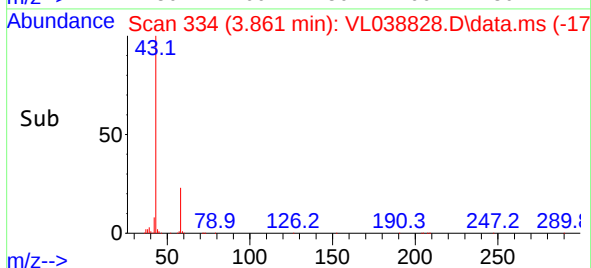
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022

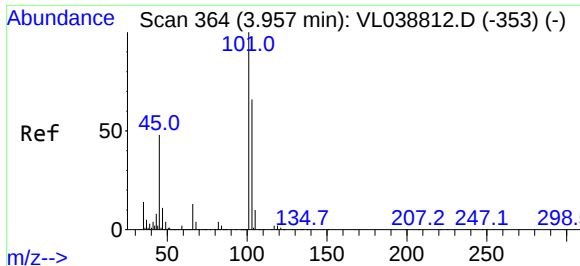


#15
Acetone
Concen: 4.102 ppbv
RT: 3.861 min Scan# 334
Delta R.T. 0.016 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06



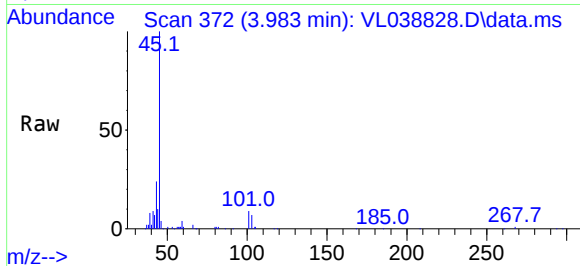
Tgt Ion: 43 Resp: 578884
Ion Ratio Lower Upper
43 100
58 28.9 22.5 33.7





#19
Isopropyl Alcohol
Concen: 2.322 ppbv
RT: 3.983 min Scan# 31
Delta R.T. 0.026 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

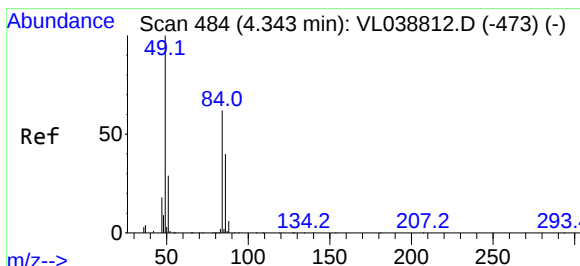
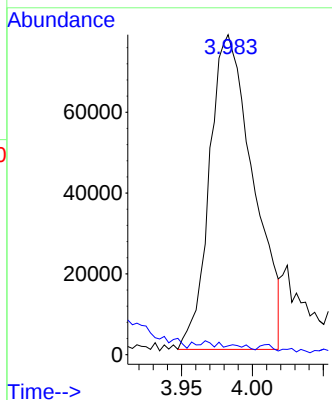
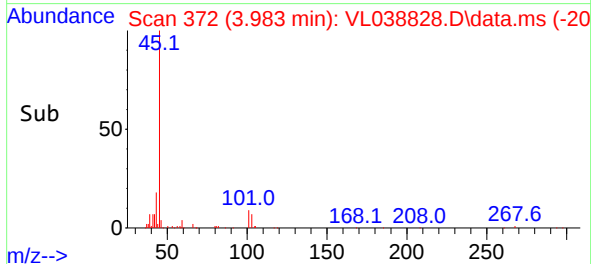
Instrument :
MSVOA_L
ClientSampleId :
IA1



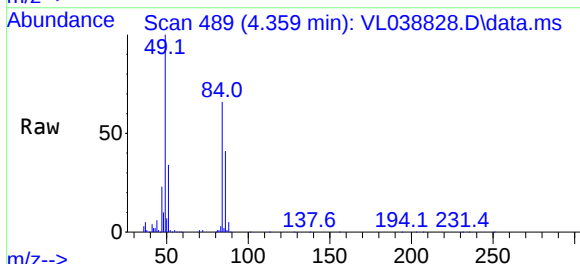
Tgt Ion: 45 Resp: 167459
Ion Ratio Lower Upper
45 100
58 99.9 0.0 0.0

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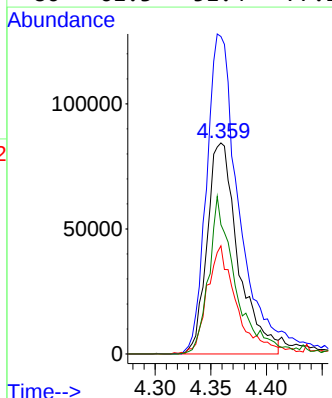
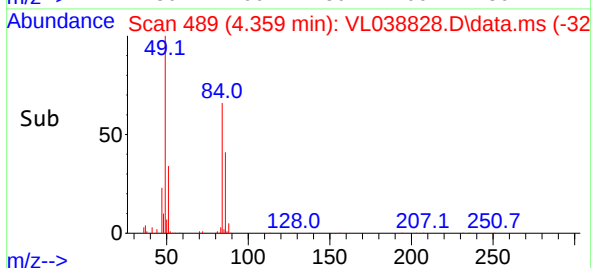
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022

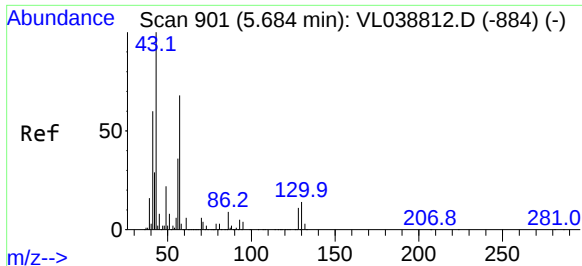


#20
Methylene Chloride
Concen: 3.214 ppbv
RT: 4.359 min Scan# 489
Delta R.T. 0.016 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06



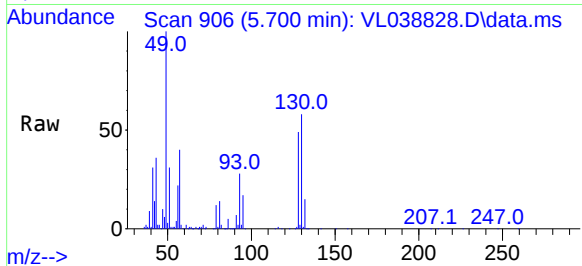
Tgt Ion: 84 Resp: 164530
Ion Ratio Lower Upper
84 100
49 150.2 129.4 194.0
51 51.0 37.4 56.2
86 61.3 51.4 77.2





#26
Hexane
Concen: 1.145 ppbv
RT: 5.700 min Scan# 901
Delta R.T. 0.016 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

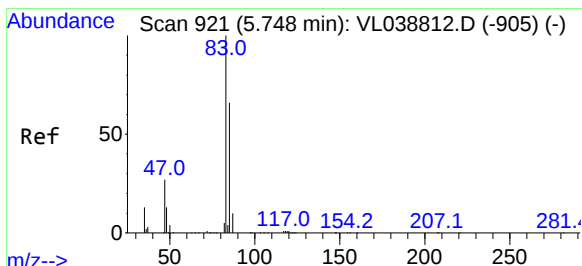
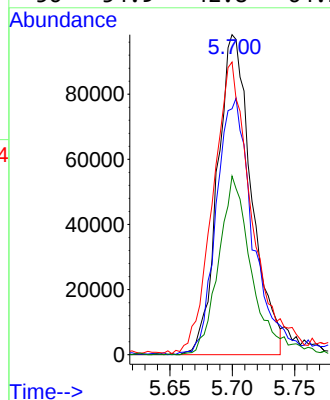
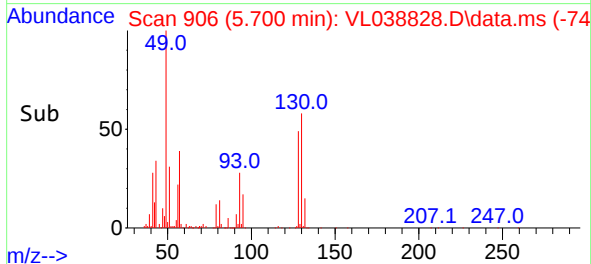
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IA1



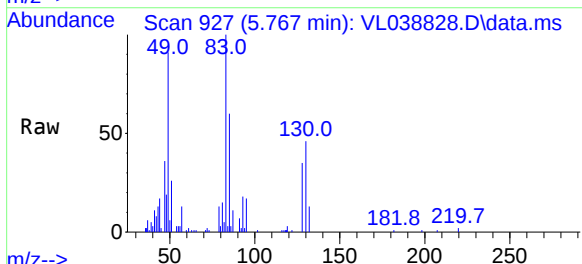
Tgt Ion: 57 Resp: 186684
Ion Ratio Lower Upper
57 100
41 89.4 72.0 108.0
43 106.7 186.6 280.0
56 54.9 42.8 64.2

Manual Integrations
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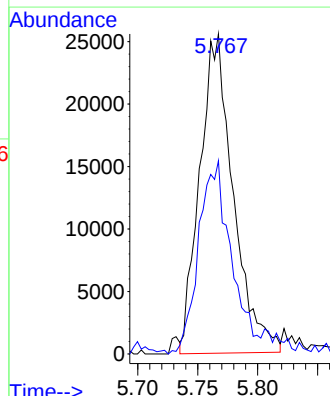
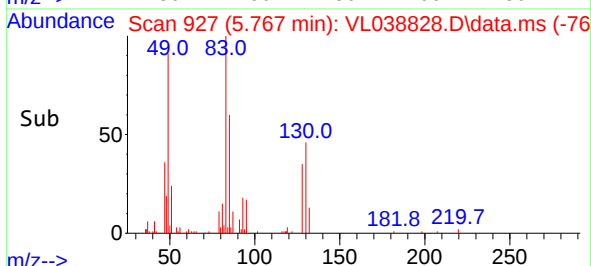
Reviewed By :Semsettin Yesilyurt 04/07/2022
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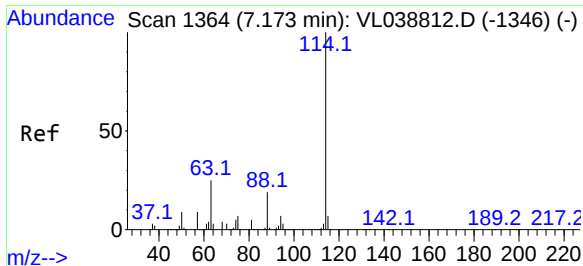


#29
Chloroform
Concen: 0.217 ppbv
RT: 5.767 min Scan# 927
Delta R.T. 0.019 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06



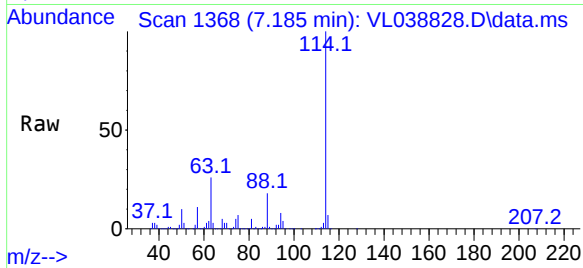
Tgt Ion: 83 Resp: 49581
Ion Ratio Lower Upper
83 100
85 59.4 52.5 78.7





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.185 min Scan# 114
Delta R.T. 0.013 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

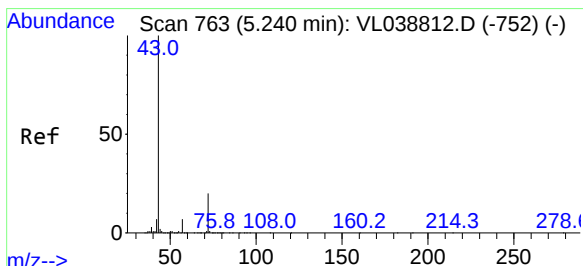
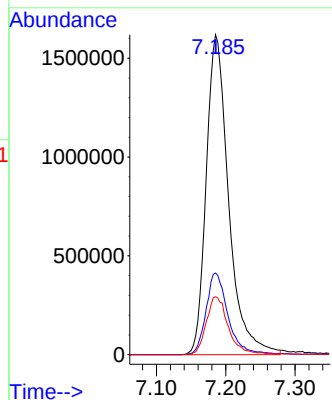
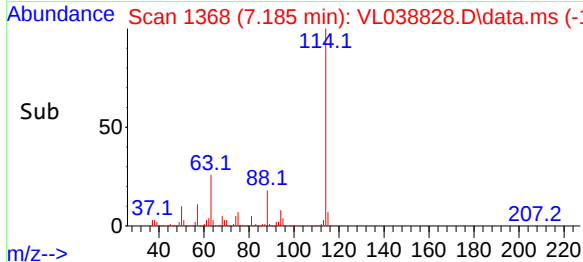
Instrument :
MSVOA_L
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IA1



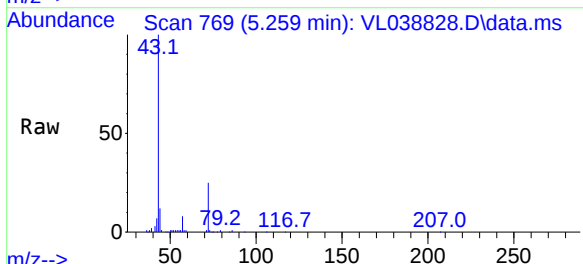
Tgt Ion:114 Resp: 363729
Ion Ratio Lower Upper
114 100
63 25.2 19.8 29.8
88 18.1 14.2 21.4

Manual Integrations
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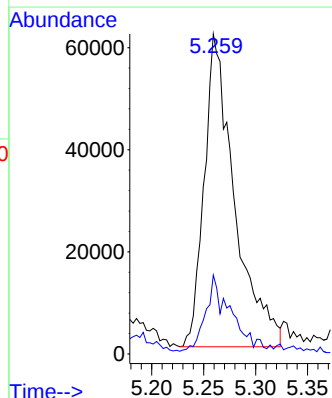
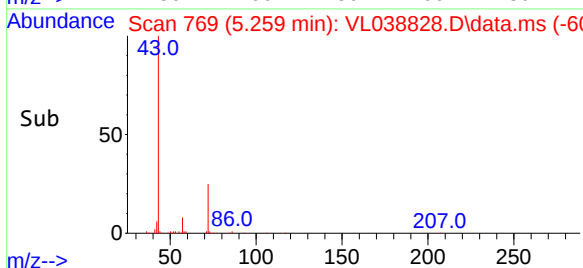
Reviewed By :Semsettin Yesilyurt 04/07/2022
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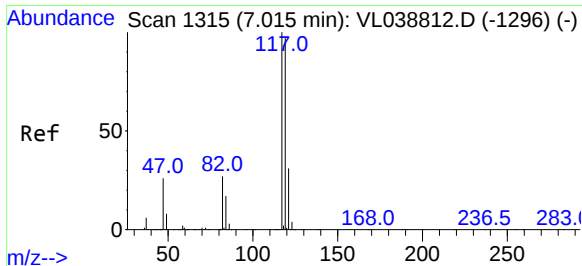


#34
2-Butanone
Concen: 0.866 ppbv
RT: 5.259 min Scan# 769
Delta R.T. 0.019 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06



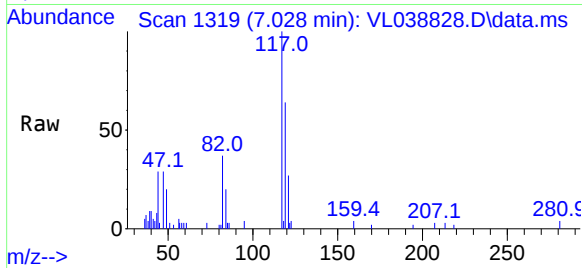
Tgt Ion: 43 Resp: 124464
Ion Ratio Lower Upper
43 100
72 23.6 16.9 25.3





#35
Carbon Tetrachloride
Concen: 0.077 ppbv m
RT: 7.028 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

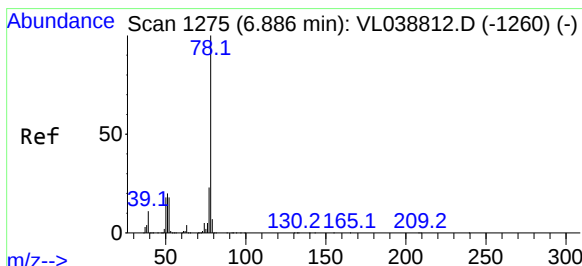
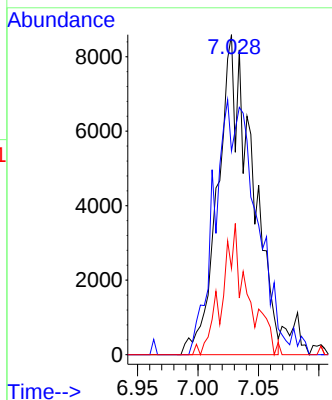
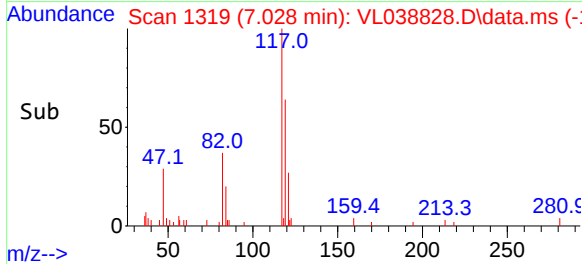
Instrument :
MSVOA_L
ClientSampleId :
IA1



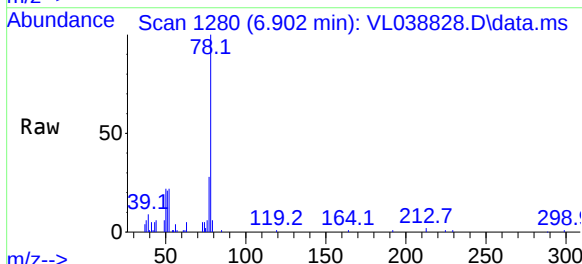
Tgt Ion: 117 Resp: 1688
Ion Ratio Lower Upper
117 100
119 63.7 77.7 116.5
121 26.9 24.5 36.7

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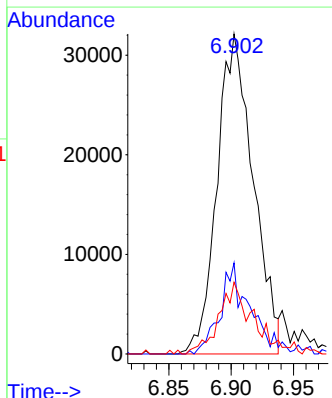
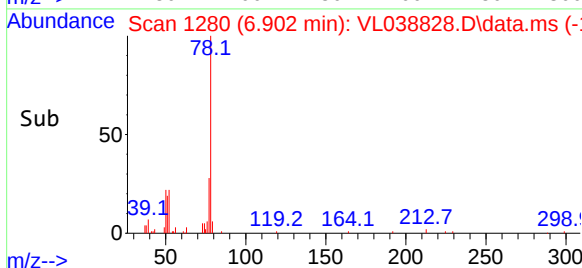
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022

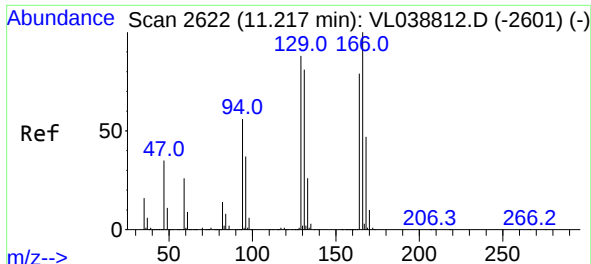


#36
Benzene
Concen: 0.196 ppbv
RT: 6.902 min Scan# 1280
Delta R.T. 0.016 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06



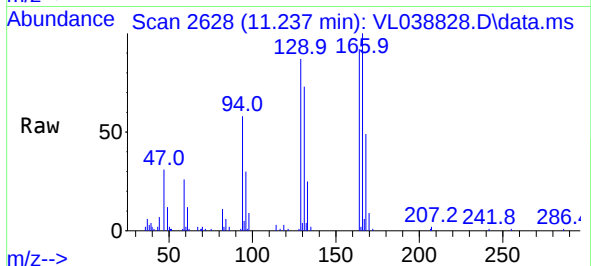
Tgt Ion: 78 Resp: 64739
Ion Ratio Lower Upper
78 100
77 28.5 18.2 27.2#
50 21.2 14.0 21.0#





#52
Tetrachloroethene
Concen: 0.391 ppbv m
RT: 11.237 min Scan# 2628
Delta R.T. 0.019 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

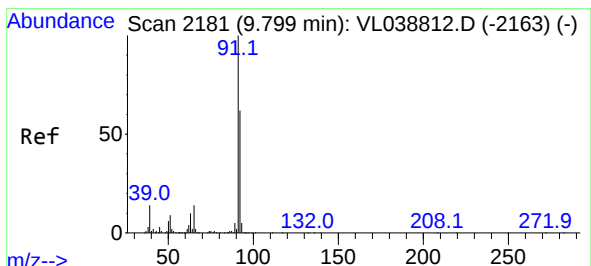
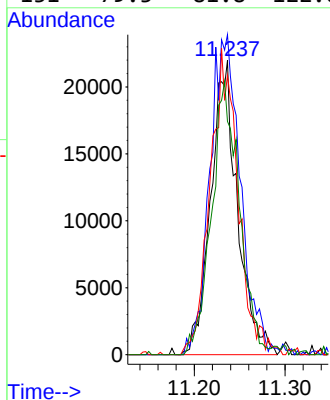
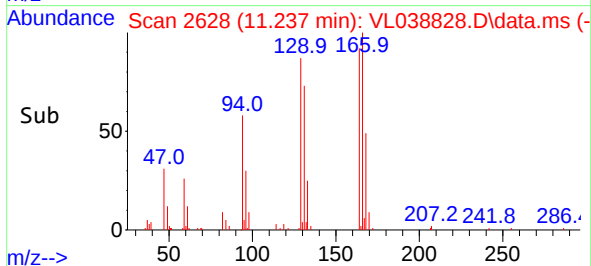
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:164 Resp: 4514
Ion Ratio Lower Upper
164 100
166 108.8 101.0 151.6
129 95.0 88.7 133.1
131 79.3 81.8 122.6#

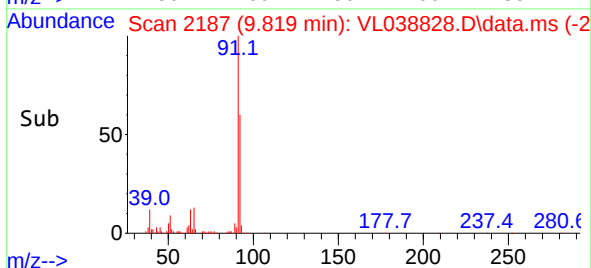
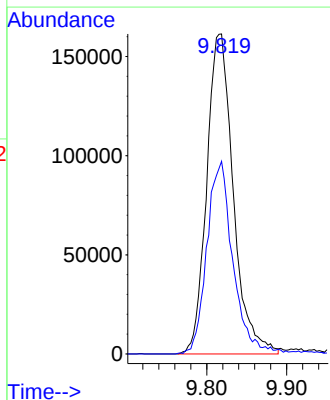
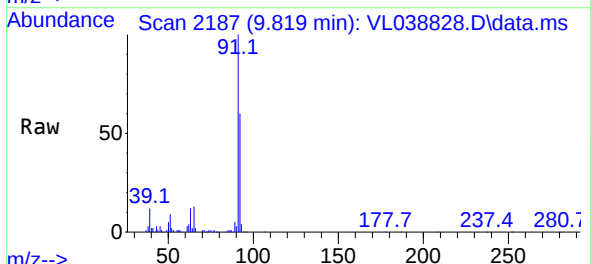
Manual Integrations
APPROVED

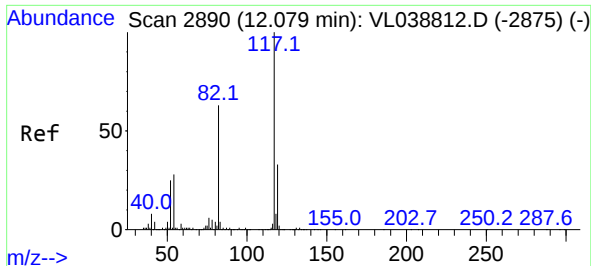
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022



#53
Toluene
Concen: 0.976 ppbv
RT: 9.819 min Scan# 2187
Delta R.T. 0.019 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

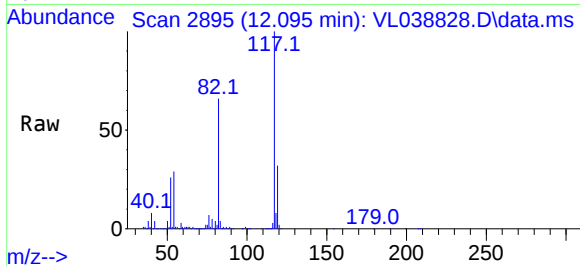
Tgt Ion: 91 Resp: 372670
Ion Ratio Lower Upper
91 100
92 59.0 49.2 73.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.095 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

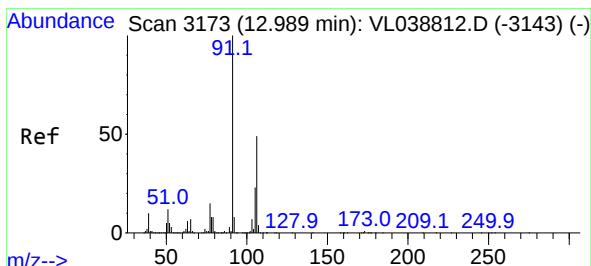
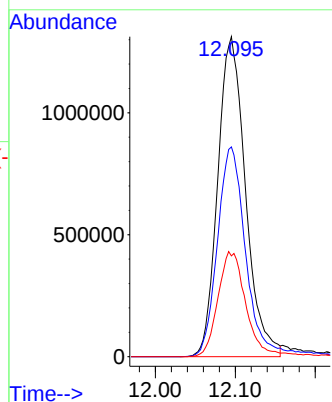
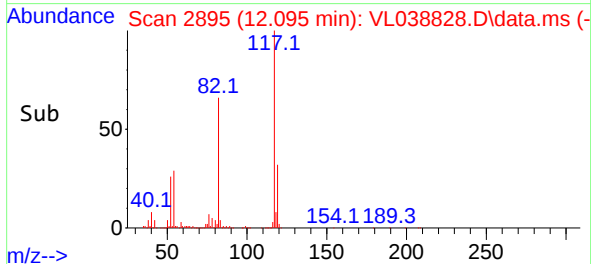
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:117 Resp: 315990
Ion Ratio Lower Upper
117 100
82 69.2 53.0 79.6
119 34.1 24.9 37.3

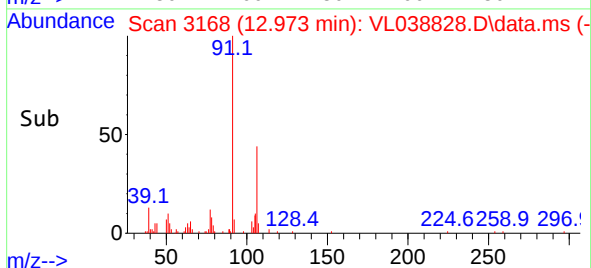
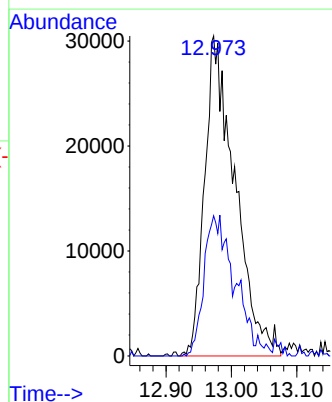
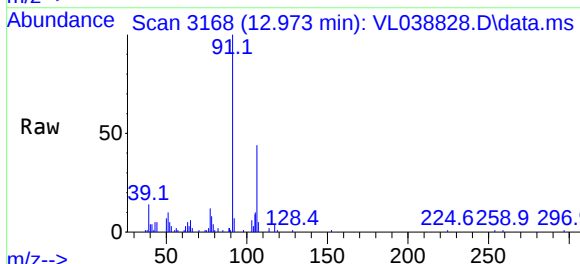
Manual Integrations
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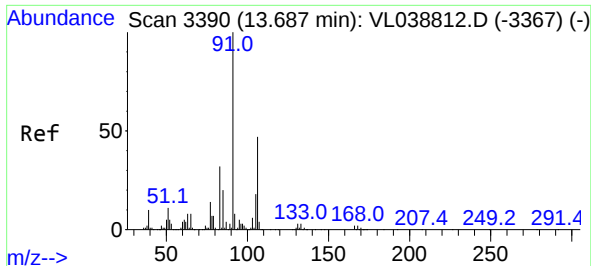
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022



#59
m/p-Xylene
Concen: 0.247 ppbv m
RT: 12.973 min Scan# 3168
Delta R.T. -0.016 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

Tgt Ion: 91 Resp: 98136
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#





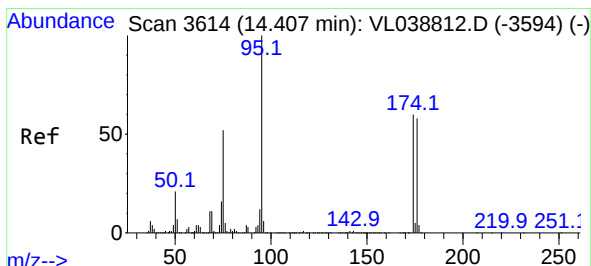
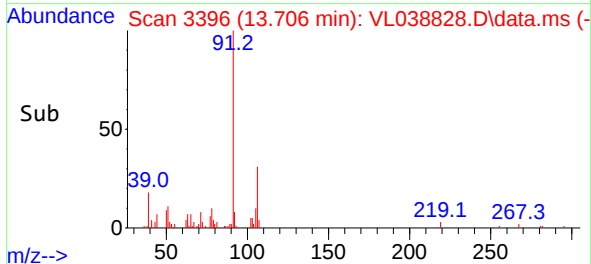
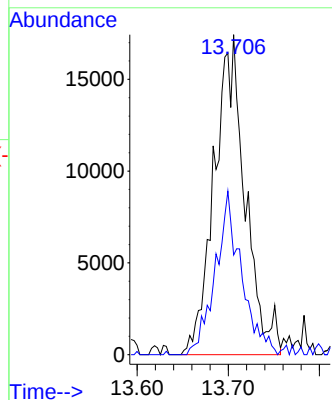
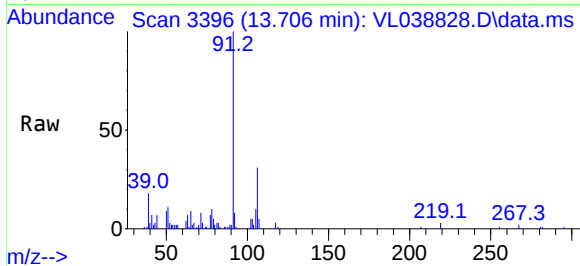
#60
o-Xylene
Concen: 0.111 ppbv m
RT: 13.706 min Scan# 3114
Delta R.T. 0.019 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 4114
Ion Ratio Lower Upper
91 100
106 0.0 23.8 71.4

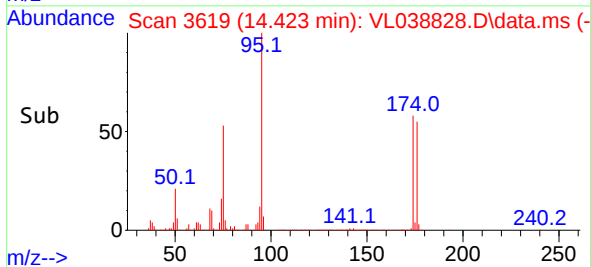
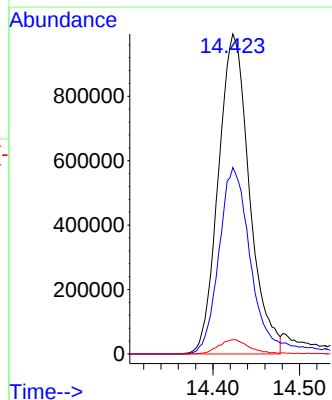
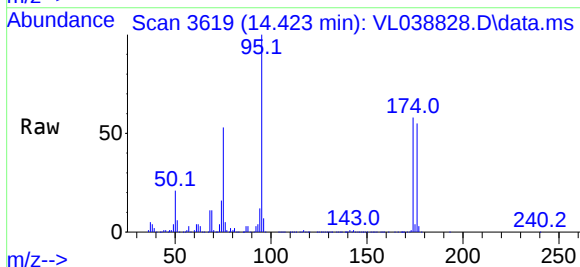
Manual Integrations
APPROVED

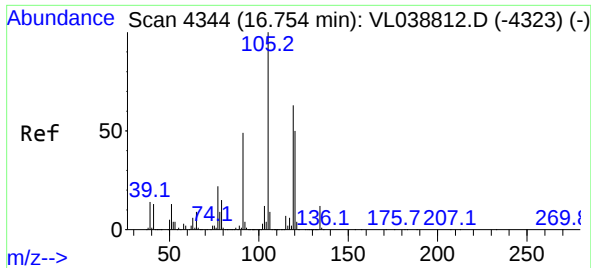
Reviewed By :Semsettin Yesilyurt 04/07/2022
Supervised By :Mahesh Dadoda 04/07/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.326 ppbv
RT: 14.423 min Scan# 3619
Delta R.T. 0.016 min
Lab File: VL038828.D
Acq: 6 Apr 2022 11:06

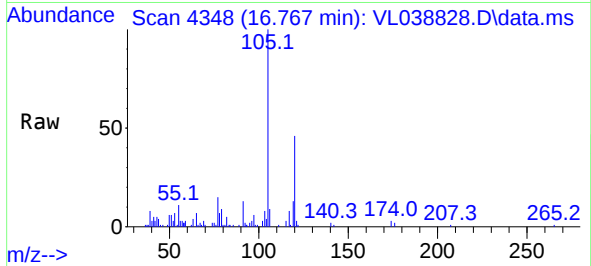
Tgt Ion: 95 Resp: 2474955
Ion Ratio Lower Upper
95 100
174 62.9 52.0 78.0
175 4.7 4.0 6.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.166 ppbv
 RT: 16.767 min Scan# 4344
 Delta R.T. 0.013 min
 Lab File: VL038828.D
 Acq: 6 Apr 2022 11:06

Instrument : MSVOA_L
 ClientSampleId : IA1



Tgt Ion:	105	Resp:	69690
Ion	Ratio	Lower	Upper
105	100		
120	46.4	39.8	59.8
91	12.0	39.4	59.0
77	15.4	17.3	25.9

Manual Integrations
 APPROVED

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

