

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
 Data File : VL039347.D
 Acq On : 24 Jun 2022 19:03
 Operator : SY/AP
 Sample : N3453-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022

Quant Time: Jun 27 01:52:28 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.661	49	1101699	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.169	114	3082317	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.079	117	2686547	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	2029890	9.139	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.044	85	43119m	0.223	ppbv	
3) Chlorodifluoromethane	2.989	51	71473m	0.510	ppbv	
4) Chloromethane	3.147	50	19799m	0.275	ppbv	
9) Propene	3.018	41	27241	0.446	ppbv	92
11) Trichlorofluoromethane	3.948	101	35497	0.203	ppbv	92
13) Ethanol	3.591	45	1470711	441.208	ppbv #	100
15) Acetone	3.845	43	546283	4.760	ppbv	98
17) tert-Butyl alcohol	4.292	59	15861m	0.178	ppbv	
19) Isopropyl Alcohol	3.957	45	44706m	0.831	ppbv	
20) Methylene Chloride	4.340	84	429723	8.886	ppbv	91
26) Hexane	5.684	57	407510	3.585	ppbv #	39
34) 2-Butanone	5.240	43	125237	0.748	ppbv	92
35) Carbon Tetrachloride	7.005	117	11569m	0.051	ppbv	
50) 4-Methyl-2-Pentanone	8.748	43	122539m	0.489	ppbv	
51) 2-Hexanone	10.143	43	56186	0.288	ppbv #	98
52) Tetrachloroethene	11.217	164	5629m	0.058	ppbv	
53) Toluene	9.799	91	262624	0.911	ppbv	100
74) 1,2,4-Trimethylbenzene	16.754	105	66212m	0.183	ppbv	

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

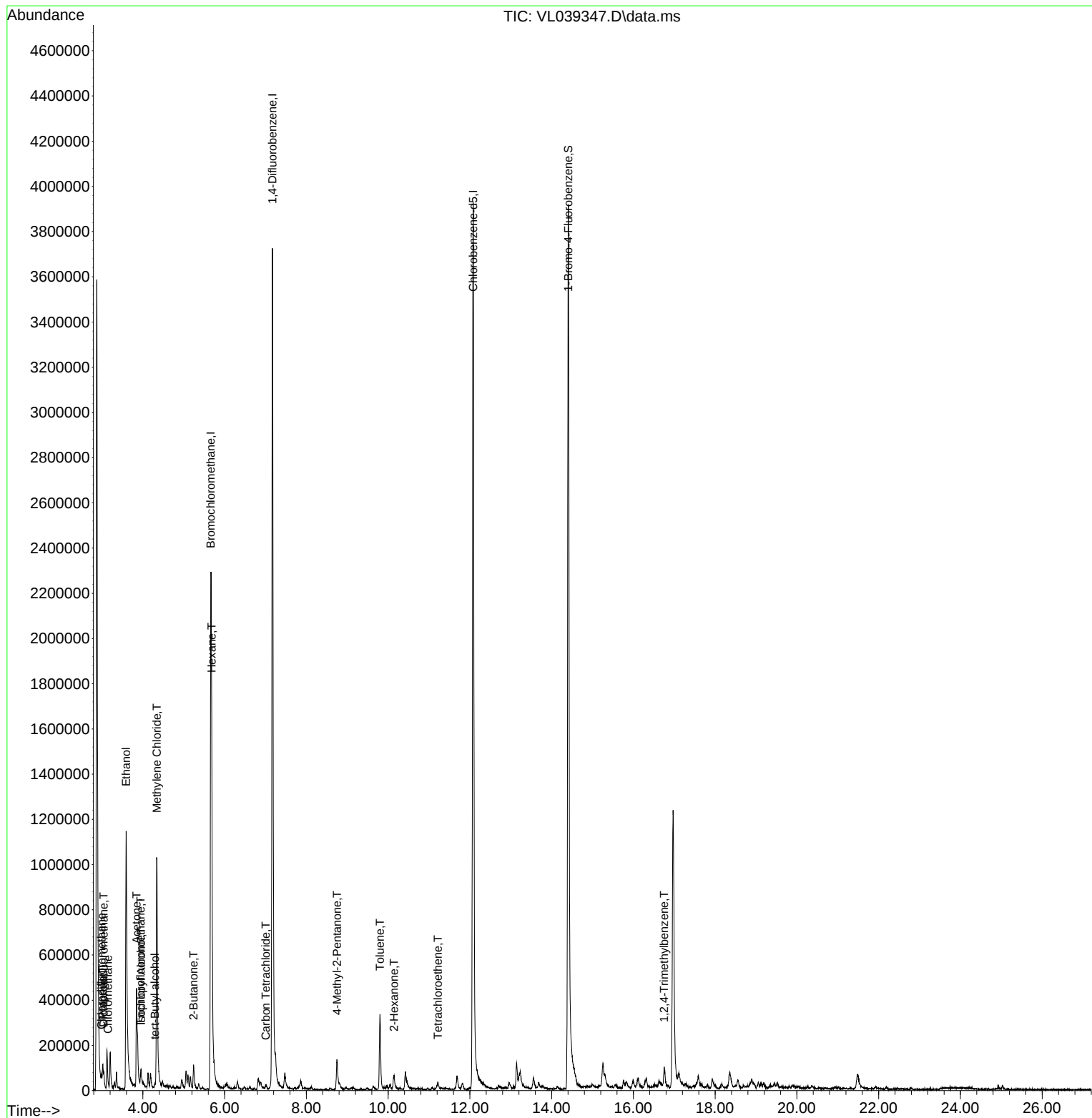
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
Data File : VL039347.D
Acq On : 24 Jun 2022 19:03
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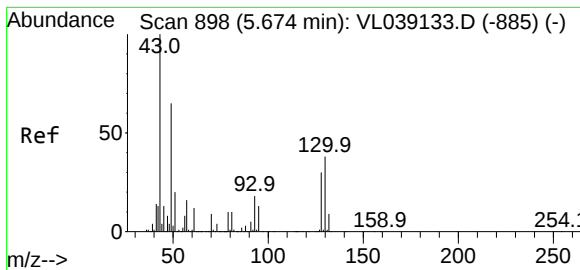
Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Jun 27 01:52:28 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

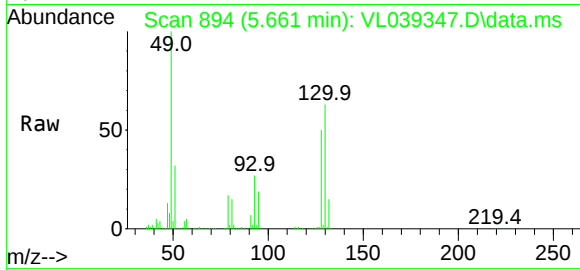
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03

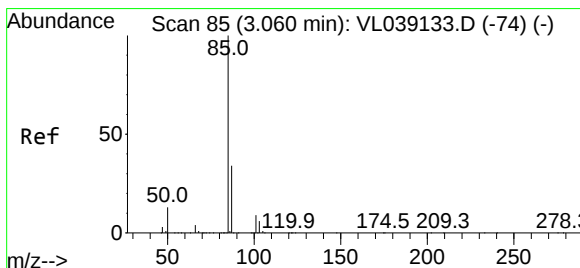
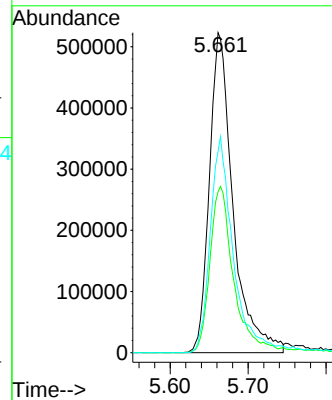
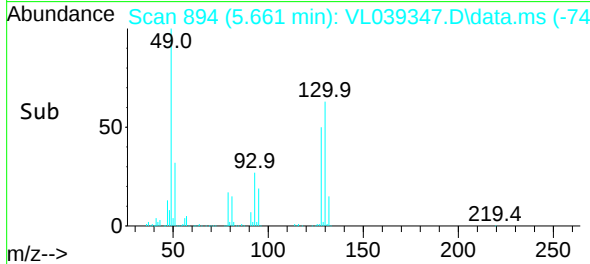
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 49 Resp: 1101699
Ion Ratio Lower Upper
49 100
128 54.3 24.7 74.1
130 66.8 31.4 94.0

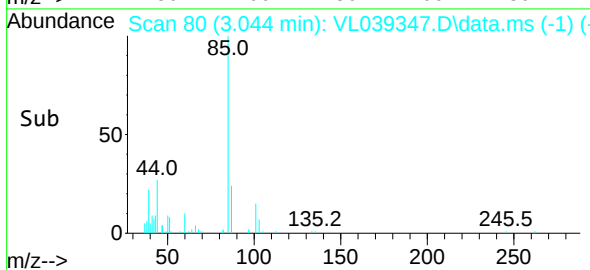
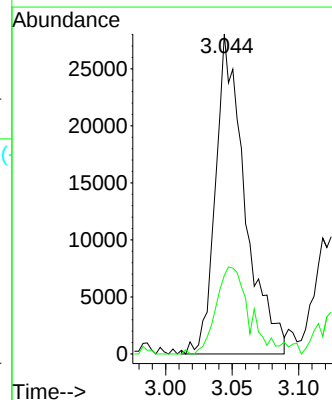
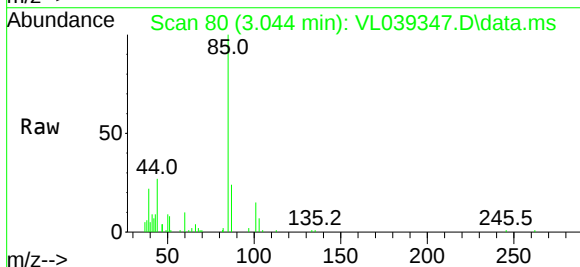
Manual Integrations
APPROVED

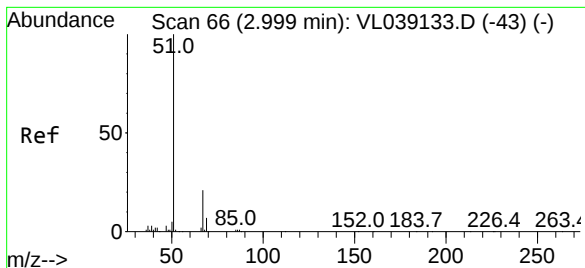
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#2
Dichlorodifluoromethane
Concen: 0.223 ppbv m
RT: 3.044 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03

Tgt Ion: 85 Resp: 43119
Ion Ratio Lower Upper
85 100
87 24.5 26.9 40.3#





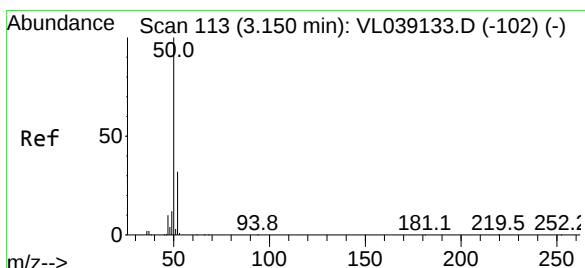
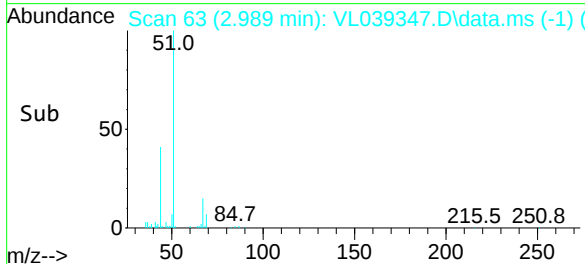
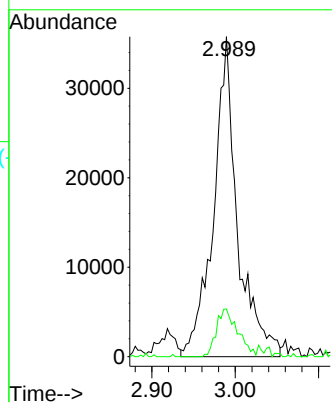
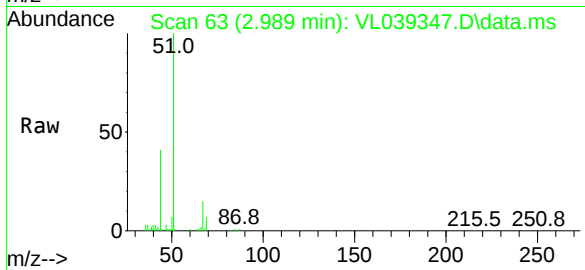
#3
Chlorodifluoromethane
Concen: 0.510 ppbv m
RT: 2.989 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 51 Resp: 7147
Ion Ratio Lower Upper
51 100
67 0.7 16.2 24.4

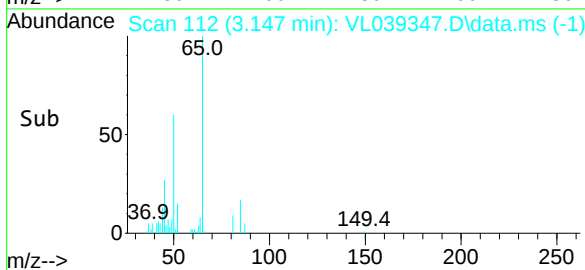
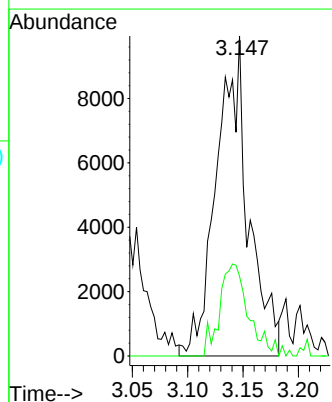
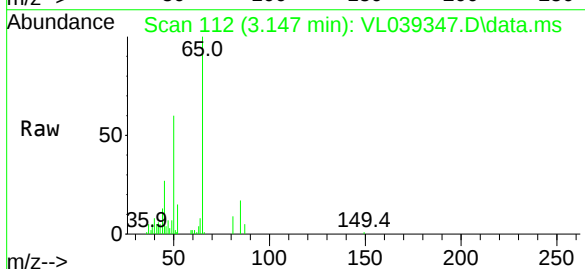
Manual Integrations
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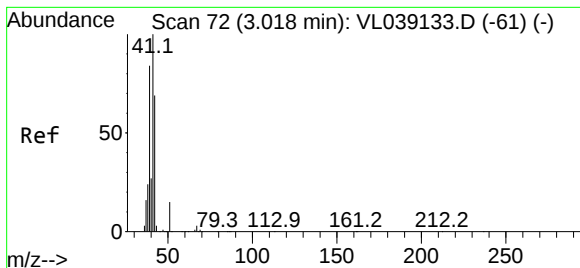
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#4
Chloromethane
Concen: 0.275 ppbv m
RT: 3.147 min Scan# 112
Delta R.T. -0.003 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03

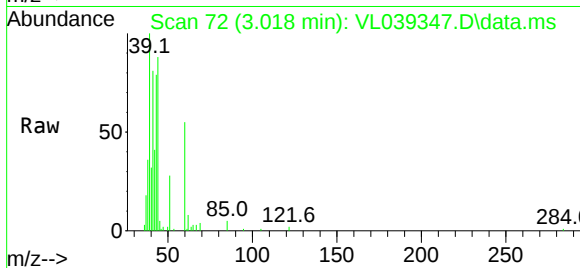
Tgt Ion: 50 Resp: 19799
Ion Ratio Lower Upper
50 100
52 24.9 25.9 38.9





#9
 Propene
 Concen: 0.446 ppbv
 RT: 3.018 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL039347.D
 Acq: 24 Jun 2022 19:03

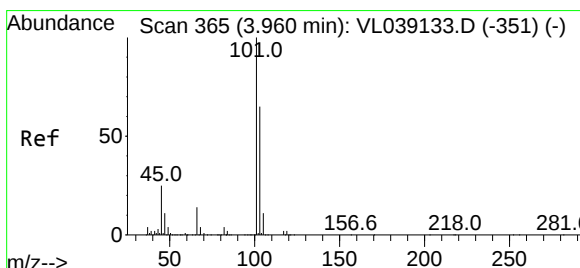
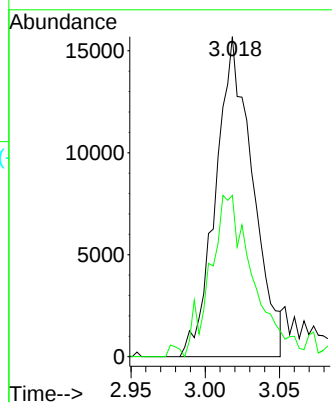
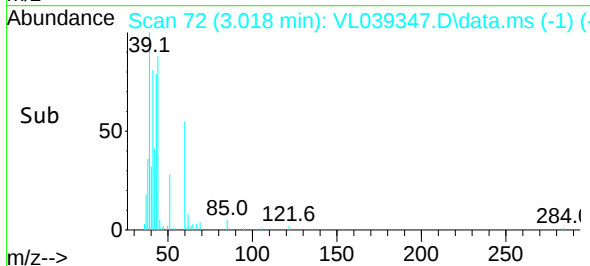
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1



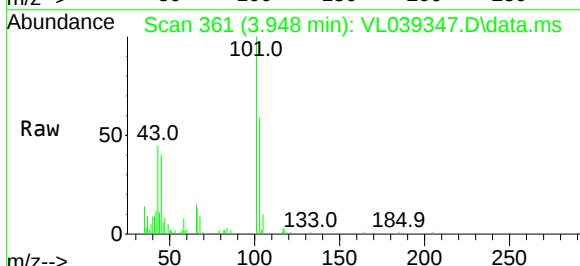
Tgt Ion: 41 Resp: 2724
 Ion Ratio Lower Upper
 41 100
 42 62.7 55.4 83.2

Manual Integrations
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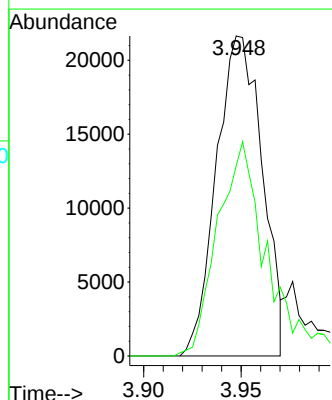
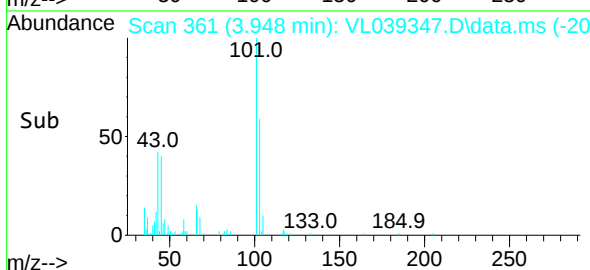
Reviewed By :Semsettin Yesilyurt 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022

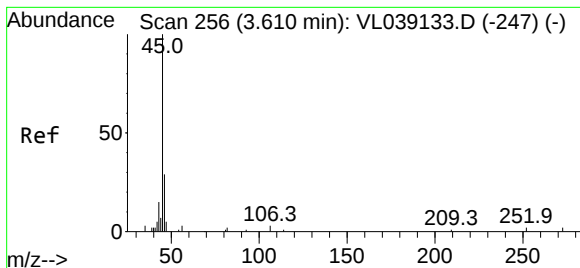


#11
 Trichlorofluoromethane
 Concen: 0.203 ppbv
 RT: 3.948 min Scan# 361
 Delta R.T. -0.013 min
 Lab File: VL039347.D
 Acq: 24 Jun 2022 19:03



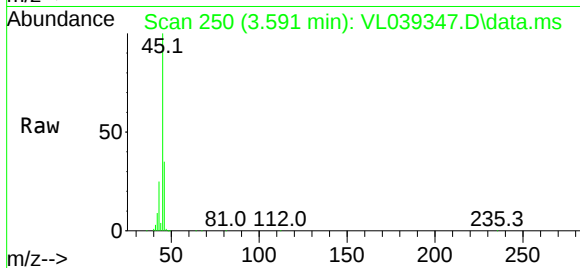
Tgt Ion:101 Resp: 35497
 Ion Ratio Lower Upper
 101 100
 103 58.5 51.7 77.5





#13
Ethanol
Concen: 441.208 ppbv
RT: 3.591 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03

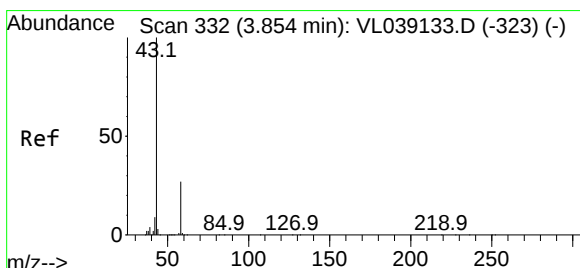
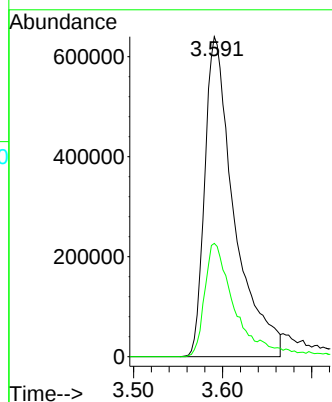
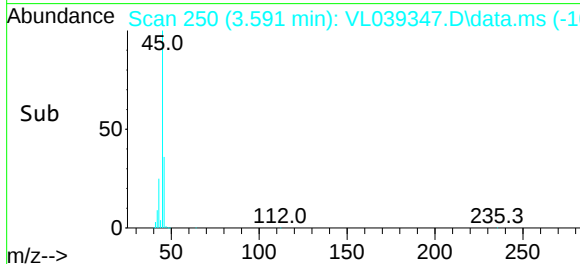
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 45 Resp: 147071
Ion Ratio Lower Upper
45 100
46 38.8 0.0 0.0

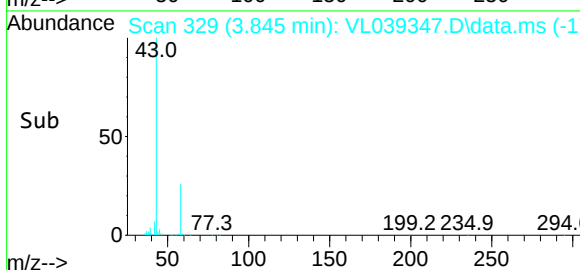
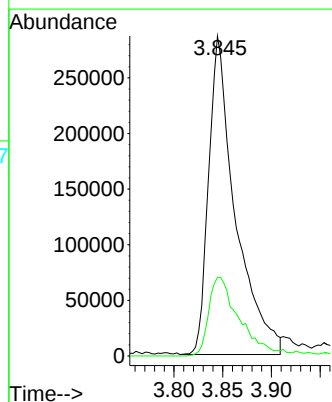
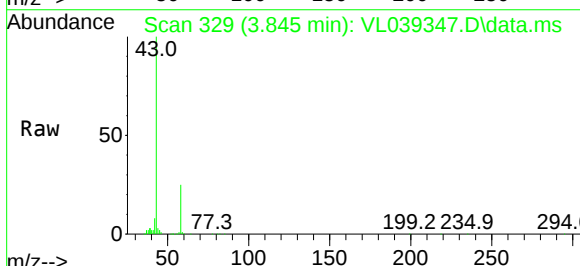
Manual Integrations
APPROVED

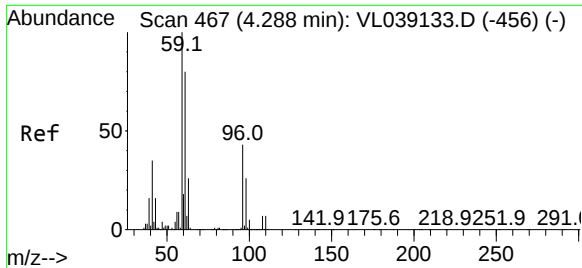
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#15
Acetone
Concen: 4.760 ppbv
RT: 3.845 min Scan# 329
Delta R.T. -0.010 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03

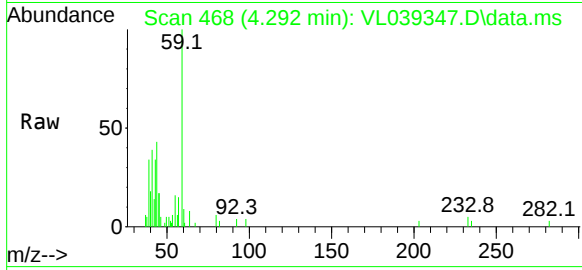
Tgt Ion: 43 Resp: 546283
Ion Ratio Lower Upper
43 100
58 29.2 22.5 33.7





#17
tert-Butyl alcohol
Concen: 0.178 ppbv m
RT: 4.292 min Scan# 468
Delta R.T. 0.003 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03

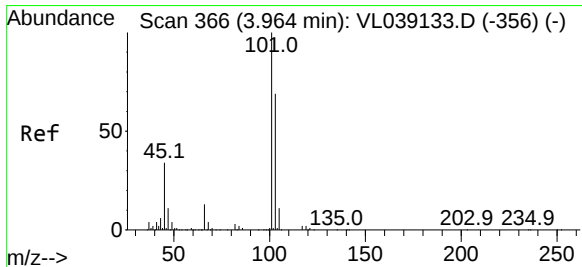
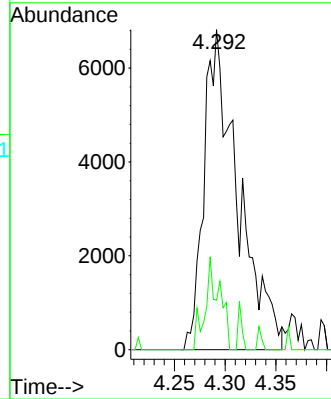
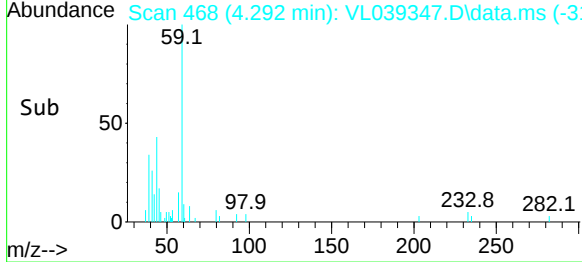
Instrument :
MSVOA_L
ClientSampleId :
IA-1



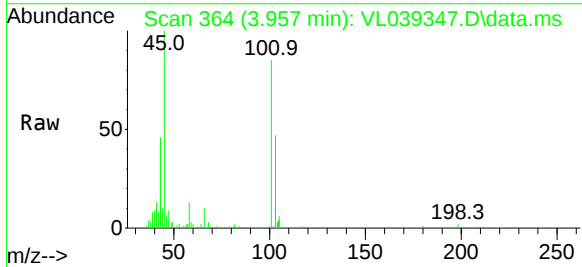
Tgt Ion: 59 Resp: 1586
Ion Ratio Lower Upper
59 100
57 14.1 9.1 13.7

Manual Integrations
APPROVED

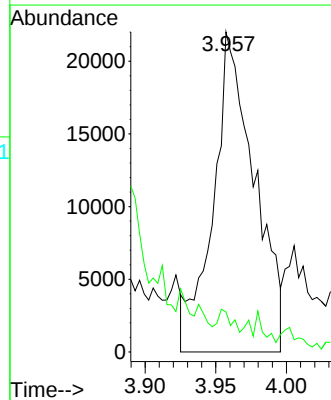
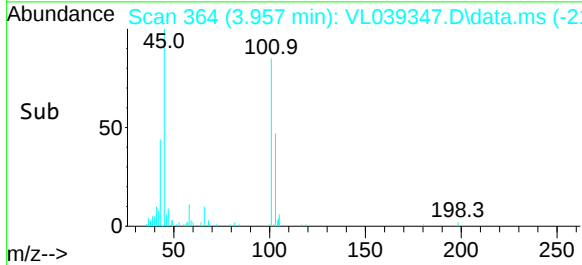
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

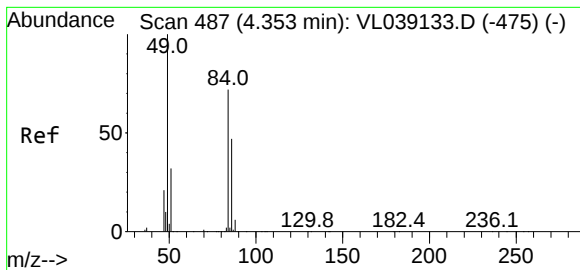


#19
Isopropyl Alcohol
Concen: 0.831 ppbv m
RT: 3.957 min Scan# 364
Delta R.T. -0.006 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03



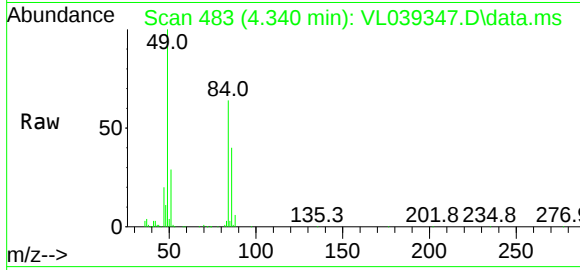
Tgt Ion: 45 Resp: 44706
Ion Ratio Lower Upper
45 100
58 372.3 1.8 2.8





#20
Methylene Chloride
Concen: 8.886 ppbv
RT: 4.340 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03

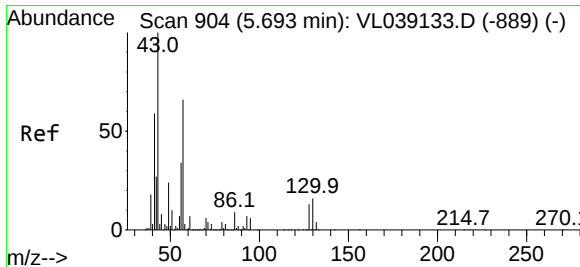
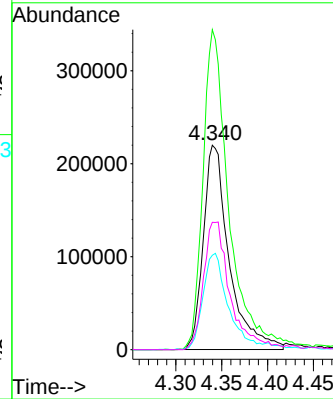
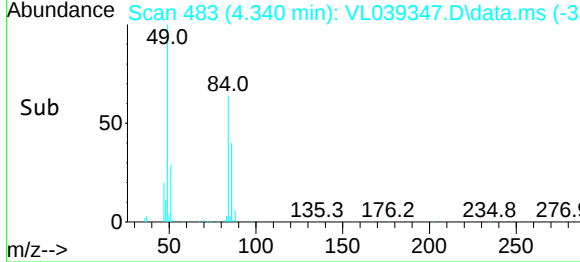
Instrument :
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ClientSampleId :
IA-1



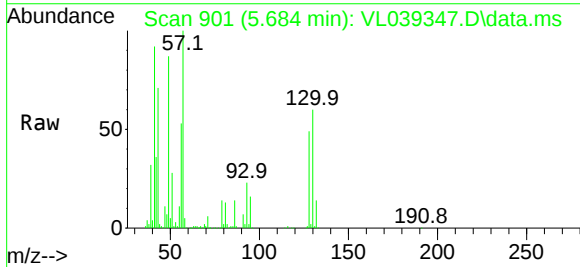
Tgt Ion: 84 Resp: 429723
Ion Ratio Lower Upper
84 100
49 156.4 111.1 166.7
51 46.0 35.3 52.9
86 62.3 51.9 77.9

Manual Integrations
APPROVED

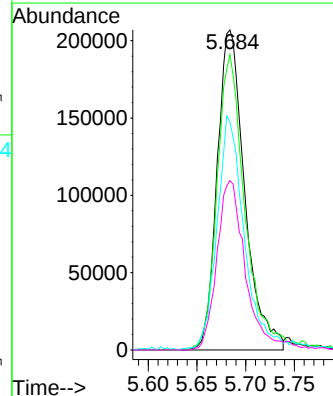
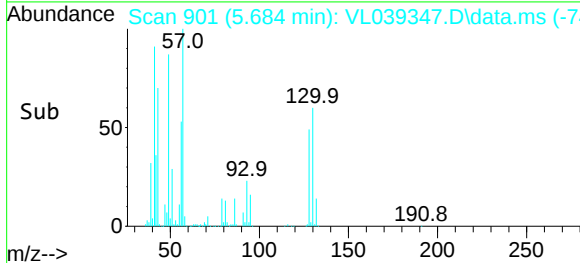
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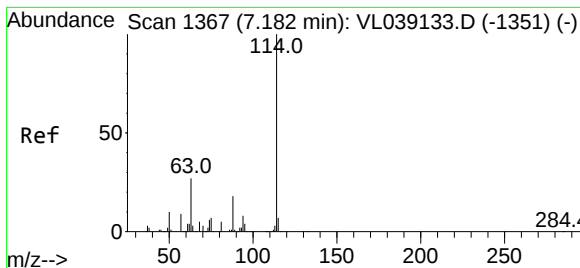


#26
Hexane
Concen: 3.585 ppbv
RT: 5.684 min Scan# 901
Delta R.T. -0.010 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03



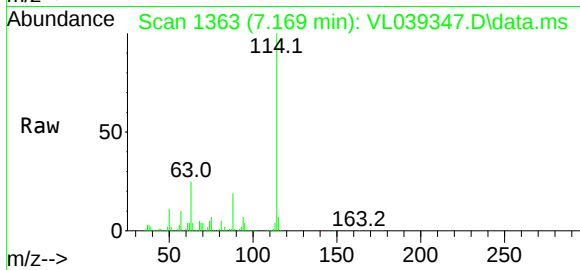
Tgt Ion: 57 Resp: 407510
Ion Ratio Lower Upper
57 100
41 95.7 72.4 108.6
43 75.4 187.0 280.6#
56 55.4 41.8 62.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 114
Delta R.T. -0.013 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03

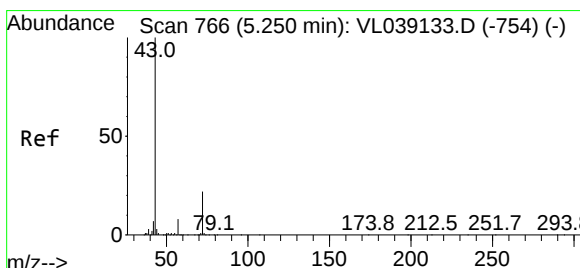
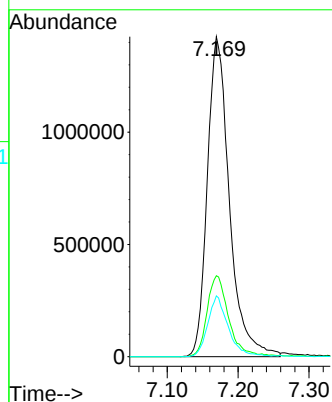
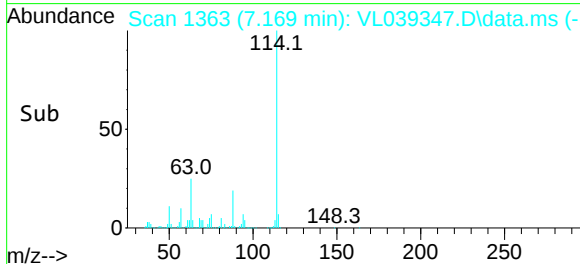
Instrument : MSVOA_L
ClientSampleId : IA-1



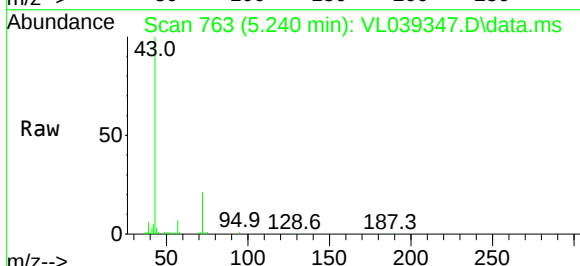
Tgt Ion:114 Resp: 308231
Ion Ratio Lower Upper
114 100
63 25.2 21.7 32.5
88 17.8 14.8 22.2

Manual Integrations
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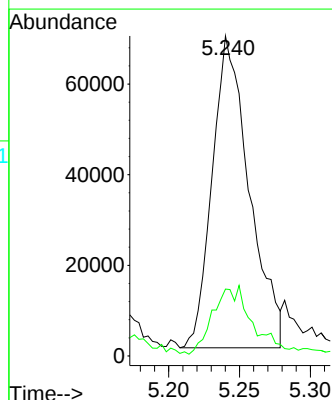
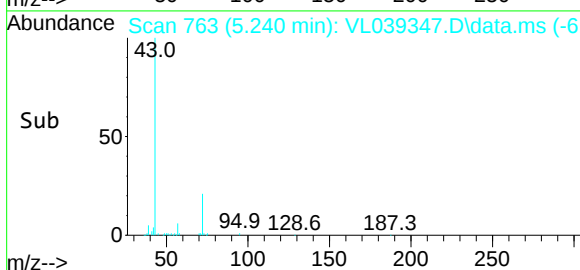
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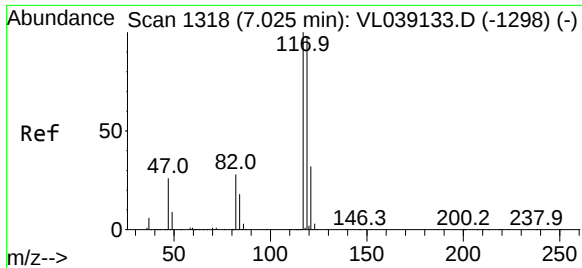


#34
2-Butanone
Concen: 0.748 ppbv
RT: 5.240 min Scan# 763
Delta R.T. -0.010 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03



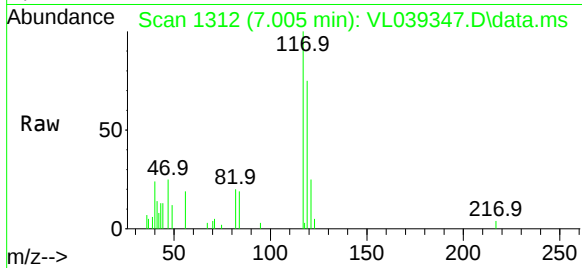
Tgt Ion: 43 Resp: 125237
Ion Ratio Lower Upper
43 100
72 26.5 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.051 ppbv m
RT: 7.005 min Scan# 1156
Delta R.T. -0.019 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03

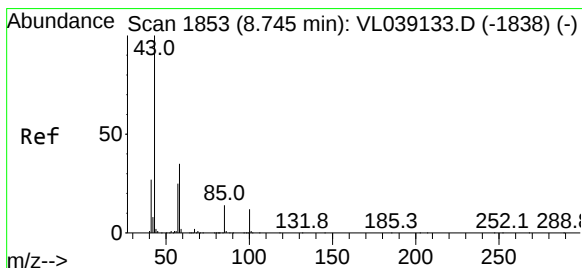
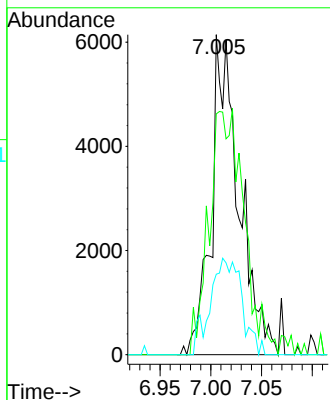
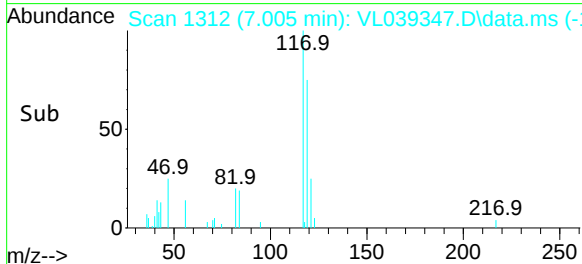
Instrument :
MSVOA_L
ClientSampleId :
IA-1



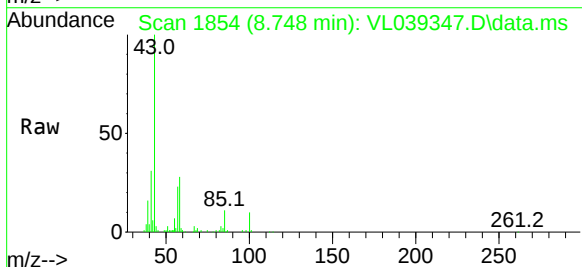
Tgt Ion: 117 Resp: 1156
Ion Ratio Lower Upper
117 100
119 75.2 78.6 118.0
121 25.2 25.4 38.0

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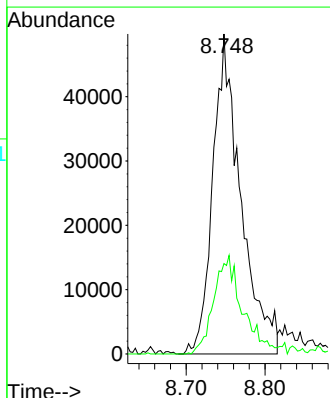
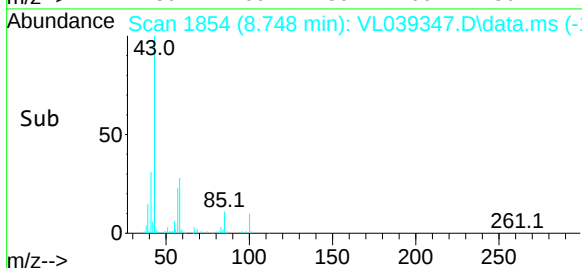
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

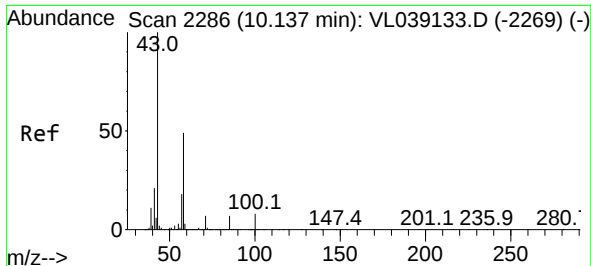


#50
4-Methyl-2-Pentanone
Concen: 0.489 ppbv m
RT: 8.748 min Scan# 1854
Delta R.T. 0.003 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03



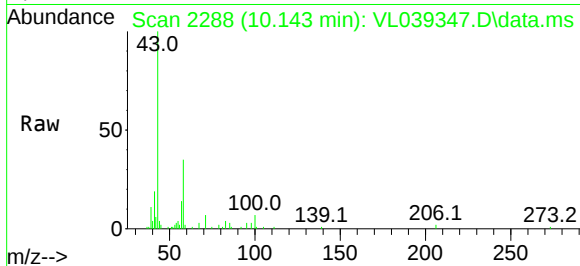
Tgt Ion: 43 Resp: 122539
Ion Ratio Lower Upper
43 100
58 0.0 28.7 43.1#





#51
2-Hexanone
Concen: 0.288 ppbv
RT: 10.143 min Scan# 2288
Delta R.T. 0.006 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03

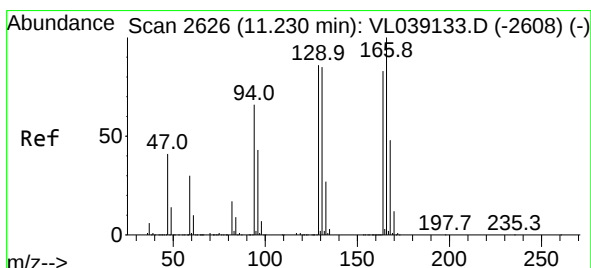
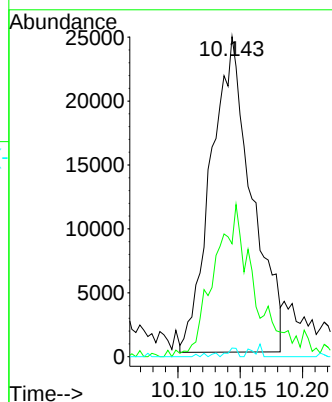
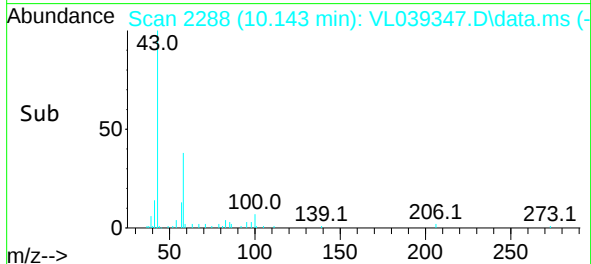
Instrument :
MSVOA_L
ClientSampleId :
IA-1



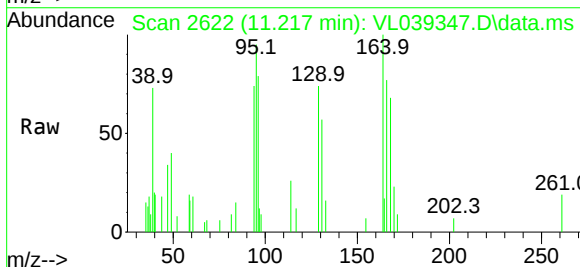
Tgt Ion: 43 Resp: 56180
Ion Ratio Lower Upper
43 100
58 49.0 40.0 60.0
98 1.0 0.1 0.1

Manual Integrations
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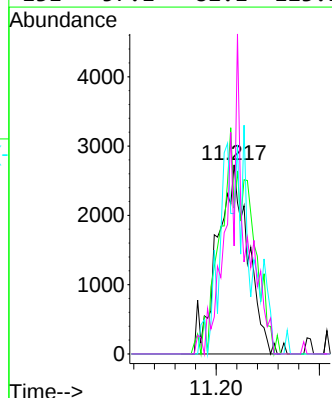
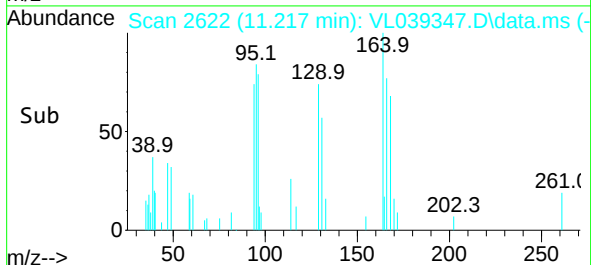
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

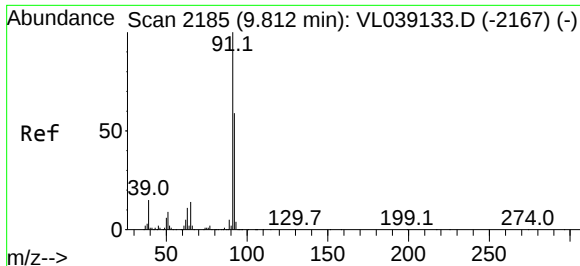


#52
Tetrachloroethene
Concen: 0.058 ppbv m
RT: 11.217 min Scan# 2622
Delta R.T. -0.013 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03



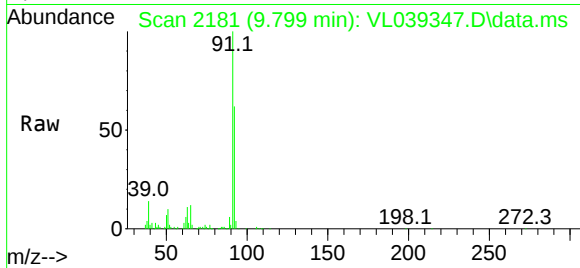
Tgt Ion:164 Resp: 5629
Ion Ratio Lower Upper
164 100
166 77.1 96.3 144.5#
129 74.2 82.5 123.7#
131 57.1 82.1 123.1#





#53
Toluene
Concen: 0.911 ppbv
RT: 9.799 min Scan# 2185
Delta R.T. -0.013 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03

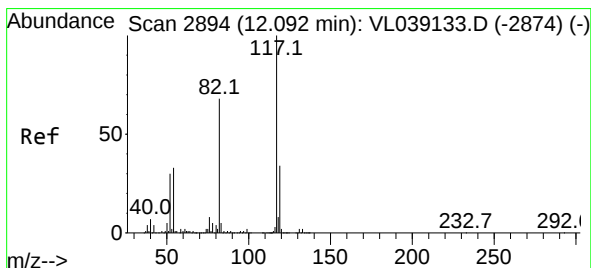
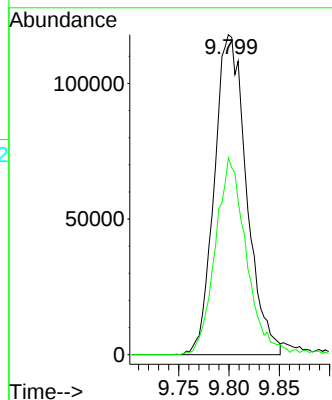
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 91 Resp: 262624
Ion Ratio Lower Upper
91 100
92 60.0 48.1 72.1

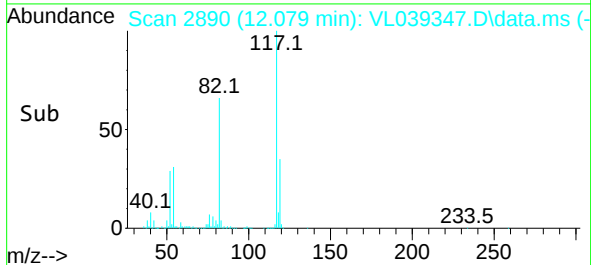
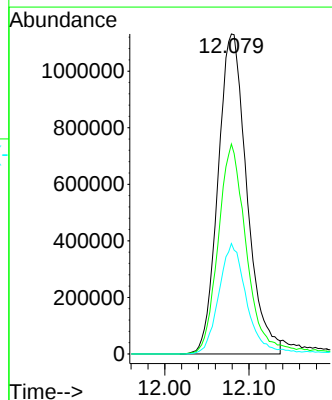
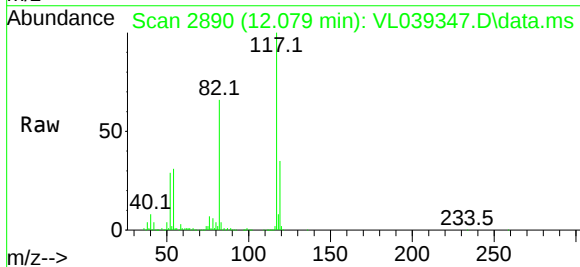
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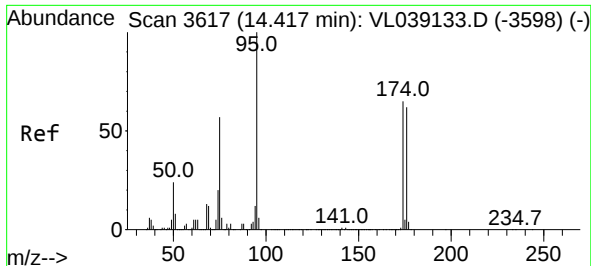
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.079 min Scan# 2890
Delta R.T. -0.013 min
Lab File: VL039347.D
Acq: 24 Jun 2022 19:03

Tgt Ion:117 Resp: 2686547
Ion Ratio Lower Upper
117 100
82 67.1 55.1 82.7
119 34.5 24.7 37.1





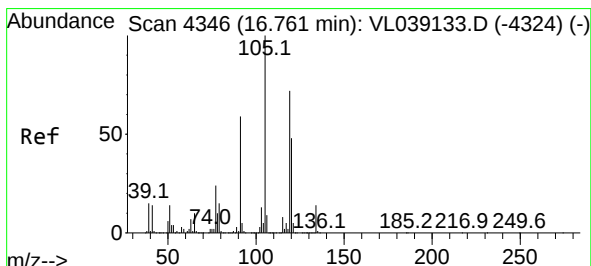
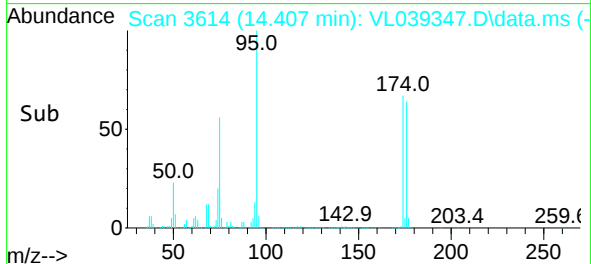
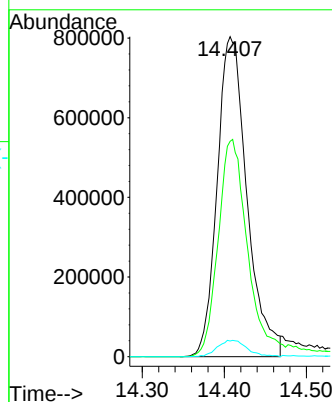
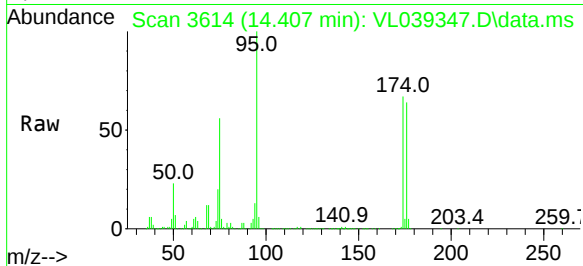
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.139 ppbv
 RT: 14.407 min Scan# 30
 Delta R.T. -0.010 min
 Lab File: VL039347.D
 Acq: 24 Jun 2022 19:03

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Tgt Ion: 95 Resp: 2029890
 Ion Ratio Lower Upper
 95 100
 174 72.4 53.8 80.8
 175 5.3 4.1 6.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#74
 1,2,4-Trimethylbenzene
 Concen: 0.183 ppbv m
 RT: 16.754 min Scan# 4344
 Delta R.T. -0.006 min
 Lab File: VL039347.D
 Acq: 24 Jun 2022 19:03

Tgt Ion:105 Resp: 66212
 Ion Ratio Lower Upper
 105 100
 120 37.0 38.1 57.1#
 91 10.2 47.4 71.0#
 77 15.7 19.5 29.3#

